






ME 5


Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

 2030 Near Future Scenario 2070 Late Future Scenario 75 th Percentile of Stream Stage Elevations (feet NAVD88) Median of of Stream Stage Elevations (feet NAVB88) 25 th Percentile of of Stream Stage Elevations (feet NAVD88)
$1.5 \times$ Range from 25 th Percentile to Median of Stream Stage Elevations (feet NAVD88) (Lower Whisker)
Values Outside of Range of Upper and Lower Box Plot Whiskers
GHD



## Legend

Water Year Type Dry Critical

Note:
Freshwater volume is calculated for groundwater in transmissive water-bearing units including channel deposits, Quaternary alluvium, and Carlotta Formation

Average Volume (acre-feet): 7,534,436
Maximum Volume (acre-feet): 7,760,646
(acre-feet): 7,330,634

Avage Volume (acrefet): 7,507,469

Attachment A
nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flowwithout Pumping (cfs) | Existing Conditions |  |  | mping |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference |
| ME1 | 486227 | 2005 | Above Normal |  | February | - | 4,628.9 | 4,628.2 | 0.7 | 0.0\% | 4,628.1 | 0.8 | 0.0\% | 4,628.1 | 0.8 | 0.0\% | 4,628.0 | 0.9 | 0.0\% | 4,627.9 | 1.0 | 0.0\% | 4,627.9 | 1.0 | 0.0\% |
| ME1 | 48627 | 2005 | Above Normal | March | - | 14,200.2 | 14,200.2 | 0.0 | 0.0\% | 14,200.2 | 0.0 | 0.0\% | 14,200.2 | 0.0 | 0.0\% | 14,200.2 | 0.0 | 0.0\% | 14,199.1 | 1.2 | 0.0\% | 14,199.1 | 1.2 | 0.0\% |
| ME1 | 486227 | 2005 | Above Normal | April | - | 9,180.0 | 9,179.5 | 0.5 | 0.0\% | 9,179.4 | 0.6 | 0.0\% | 9,179.4 | 0.6 | 0.0\% | 9,179.3 | 0.7 | 0.0\% | 9,179.3 | 0.7 | 0.0\% | 9,179.2 | 0.8 | 0.0\% |
| ME1 | 48627 | 2005 | Above Normal | May | - | 8,471.5 | 8,468.6 | 2.9 | 0.0\% | 8,468.3 | 3.2 | 0.0\% | 8,468.1 | 3.5 | 0.0\% | 8,467.7 | 3.8 | 0.0\% | 8,467.5 | 4.1 | 0.0\% | 8,467.1 | 4.4 | 0.1\% |
| ME1 | 48627 | 2005 | Above Normal | June | - | 6,334.0 | 6,330.4 | 3.6 | 0.1\% | 6,330.1 | 3.9 | 0.1\% | 6,329.7 | 4.3 | 0.1\% | 6,329.4 | 4.6 | 0.1\% | 6,329.1 | 5.0 | 0.1\% | 6,328.7 | 5.3 | 0.1\% |
| ME1 | 486227 | 2005 | Above Normal | July | - | 91.8 | 89.5 | 2.2 | 2.4\% | 89.3 | 2.4 | 2.7\% | 89.1 | 2.7 | 2.9\% | 88.9 | 2.9 | 3.1\% | 88.7 | 3.1 | 3.4\% | 88.4 | 3.3 | 3.6\% |
| ME1 | 486227 | 2005 | Above Normal | August | -- | 64.8 | 63.1 | 1.7 | 2.6\% | 62.9 | 1.8 | 2.8\% | 62.8 | 2.0 | 3.1\% | 62.6 | 2.2 | 3.4\% | 62.4 | 2.3 | 3.6\% | 62.3 | 2.5 | 3.9\% |
| ME1 | 48627 | 2005 | Above Normal | September | Used in Summary Table Analysis | 54.8 | 53.3 | 1.4 | 2.6\% | 53.2 | 1.6 | 2.9\% | 53.0 | 1.7 | 3.2\% | 52.9 | 1.9 | 3.4\% | 52.7 | 2.0 | 3.7\% | 52.6 | 2.2 | 4.0\% |
| ME1 | 48627 | 2006 | wet | October | Used in Summary Table Analysis | 247.6 | 24.0 | 1.5 | 0.6\% | 245.9 | 1.7 | 0.7\% | 245.7 | 1.8 | 0.7\% | 245.6 | 2.0 | 0.8\% | 245.4 | 2.1 | 0.9\% | 245.3 | 2.3 | 0.9\% |
| ME1 | 486227 | 2006 | Wet | November | Used in Summary Table Analysis | 6,495.8 | 6,494.8 | 1.0 | 0.0\% | 6,494.7 | 1.2 | 0.0\% | 6,494.6 | 1.3 | 0.0\% | 6,494.4 | 1.4 | 0.0\% | 6,494.3 | 1.5 | 0.0\% | 6,494.2 | 1.6 | 0.0\% |
| ME1 | 48627 | 2006 | Wet | December | - | 19,958.3 | 19,957.2 | 1.2 | 0.0\% | 19,957.2 | 1.2 | 0.0\% | 19,957.2 | 1.2 | 0.0\% | 19,957.2 | 1.2 | 0.0\% | 19,957.2 | 1.2 | 0.0\% | 19,957.2 | 1.2 | 0.0\% |
| ME1 | 48627 | 2006 | Wet | January | -- | 16,843.8 | 16,842.6 | 1.2 | 0.0\% | 16,842.6 | 1.2 | 0.0\% | 16,842.6 | 1.2 | 0.0\% | 16,842.6 | 1.2 | 0.0\% | 16,842.6 | 1.2 | 0.0\% | 16,842.6 | 1.2 | 0.0\% |
| ME1 | 48627 | 2006 | Wet | February | -- | 9,294.4 | 9,293.9 | 0.6 | 0.0\% | 9,293.8 | 0.7 | 0.0\% | 9,293.8 | 0.7 | 0.0\% | 9,293.6 | 0.8 | 0.0\% | 9,293.6 | 0.8 | 0.0\% | 9,293.5 | 0.9 | 0.0\% |
| ME1 | 48627 | 2006 | Wet | March | -- | 23,150.5 | 23,150.5 | 0.0 | 0.0\% | 23,150.5 | 0.0 | 0.0\% | 23,150.5 | 0.0 | 0.0\% | 23,150.5 | 0.0 | 0.0\% | 23,199.3 | 1.2 | 0.0\% | 23,149.3 | 1.2 | 0.0\% |
| ME1 | 48627 | 2006 | Wet | April | - | 11,453.2 | 11,452.8 | 0.5 | 0.0\% | 11,452.7 | 0.6 | 0.0\% | 11,452.7 | 0.6 | 0.0\% | 11,452.5 | 0.7 | 0.0\% | 11,452.5 | 0.7 | 0.0\% | 11,452.5 | 0.7 | 0.0\% |
| ME1 | 48627 | 2006 | Wet | may | - | 4,628.2 | 4,627.3 | 0.9 | 0.0\% | 4,627.2 | 1.0 | 0.0\% | 4,627.1 | 1.2 | 0.0\% | 4,627.0 | 1.3 | 0.0\% | 4,626.9 | 1.4 | 0.0\% | 4,626.9 | 1.4 | 0.0\% |
| ME1 | 48627 | 2006 | Wet | June | - | 561.9 | 558.9 | 3.0 | 0.5\% | 558.6 | 3.3 | 0.6\% | 558.3 | 3.6 | 0.6\% | 558.0 | 3.9 | 0.7\% | 557.7 | 4.2 | 0.8\% | 557.4 | 4.5 | 0.8\% |
| ME1 | 486227 | 2006 | Wet | July | - | 74.6 | 72.8 | 1.8 | 2.4\% | 72.6 | 2.0 | 2.7\% | 72.4 | 2.2 | 2.9\% | 72.3 | 2.3 | 3.1\% | 72.1 | 2.5 | 3.4\% | 71.9 | 2.7 | 3.6\% |
| me1 | 48627 | 2006 | Wet | August | -- | 60.4 | 58.7 | 1.7 | 2.8\% | 58.5 | 1.9 | 3.1\% | 58.4 | 2.0 | 3.4\% | 58.2 | 2.2 | 3.7\% | 58.0 | 2.4 | 4.0\% | 57.8 | 2.6 | 4.3\% |
| ME1 | 48627 | 2006 | Wet | September | Used in Summary Table Analysis | 53.0 | 51.6 | 1.4 | 2.7\% | 51.4 | 1.6 | 3.0\% | 51.3 | 1.8 | 3.3\% | 51.1 | 1.9 | 3.6\% | 51.0 | 2.0 | 3.8\% | 50.8 | 2.2 | 4.1\% |
| ME1 | 48627 | 2007 | Above Normal | October | Used in Summary Table Analysis | 43.8 | 42.3 | 1.5 | 3.4\% | 42.1 | 1.6 | 3.7\% | 42.0 | 1.8 | 4.1\% | 41.9 | 1.9 | 4.4\% | 41.7 | 2.1 | 4.7\% | 41.6 | 2.2 | 5.1\% |
| ME1 | 48627 | 2007 | Above Normal | November | Used in Summary Table Analysis | 5,881.8 | 5,880.7 | 1.2 | 0.0\% | 5,880.6 | 1.3 | 0.0\% | 5,880.4 | 1.4 | 0.0\% | 5,880.3 | 1.5 | 0.0\% | 5,880.1 | 1.7 | 0.0\% | 5,880.0 | 1.9 | 0.0\% |
| ME1 | 486227 | 2007 | Above Normal | December |  | 10,860.9 | 10,859.8 | 1.0 | 0.0\% | 10,859.7 | 1.2 | 0.0\% | 10,859.6 | 1.3 | 0.0\% | 10,859.5 | 1.4 | 0.0\% | 10,859.4 | 1.5 | 0.0\% | 10,859.3 | 1.6 | 0.0\% |
| me1 | 48627 | 2007 | Above Normal | January | -- | 2,463.4 | 2,462.5 | 0.9 | 0.0\% | 2,462.5 | 0.9 | 0.0\% | 2,462.4 | 1.0 | 0.0\% | 2,462.3 | 1.2 | 0.0\% | 2,462.3 | 1.2 | 0.0\% | 2,462.2 | 1.3 | 0.1\% |
| ME1 | 48627 | 2007 | Above Normal | February | -- | 17,594.9 | 17,594.9 | 0.0 | 0.0\% | 17,594.9 | 0.0 | 0.0\% | 17,594.9 | 0.0 | 0.0\% | 17,593.8 | 1.2 | 0.0\% | 17,593.8 | 1.2 | 0.0\% | 17,593.8 | 1.2 | 0.0\% |
| ME1 | 486227 | 2007 | Above Normal | March | -- | 5,045.7 | 5,045.0 | 0.7 | 0.0\% | 5,045.0 | 0.7 | 0.0\% | 5,044.9 | 0.8 | 0.0\% | 5,044.9 | 0.8 | 0.0\% | 5,044.8 | 0.9 | 0.0\% | 5,044.8 | 0.9 | 0.0\% |
| ME1 | 48627 | 2007 | Above Normal | April | - | 6,482.5 | 6,479.7 | 2.8 | 0.0\% | 6,479.5 | 3.0 | 0.0\% | 6,479.3 | 3.2 | 0.0\% | 6,478.9 | 3.6 | 0.1\% | 6,478.7 | 3.8 | 0.1\% | 6,478.5 | 4.1 | 0.1\% |
| ME1 | 486227 | 2007 | Above Normal | May | - | 1,264.5 | 1,262.4 | 2.1 | 0.2\% | 1,262.2 | 2.3 | 0.2\% | 1,261.9 | 2.5 | 0.2\% | 1,261.8 | 2.7 | 0.2\% | 1,261.6 | 2.9 | 0.2\% | 1,261.3 | 3.1 | 0.2\% |
| ME1 | 486227 | 2007 | Above Normal | June | - | 458.8 | 455.6 | 3.2 | 0.7\% | 455.3 | 3.5 | 0.8\% | 454.9 | 3.8 | 0.8\% | 454.6 | 4.1 | 0.9\% | 454.3 | 4.5 | 1.0\% | 454.0 | 4.8 | 1.0\% |
| me 1 | 48627 | 2007 | Above Normal | July | - | 107.3 | 105.0 | 2.3 | 2.2\% | 104.8 | 2.5 | 2.4\% | 104.5 | 2.8 | 2.6\% | 104.3 | 3.0 | 2.8\% | 104.1 | 3.2 | 3.0\% | 103.9 | 3.5 | 3.2\% |
| ME1 | 48627 | 2007 | Above Normal | August | -- | 53.5 | 51.7 | 1.8 | 3.3\% | 51.6 | 2.0 | 3.7\% | 51.4 | 2.1 | 4.0\% | 51.2 | 2.3 | 4.3\% | 51.1 | 2.5 | 4.6\% | 50.9 | 2.7 | 5.0\% |
| ME1 | 48627 | 2007 | Above Normal | September | Used in Summary Table Analysis | 48.5 | 47.0 | 1.6 | 3.3\% | 46.8 | 1.7 | 3.6\% | 46.6 | 1.9 | 3.9\% | 46.5 | 2.1 | 4.2\% | 46.3 | 2.2 | 4.6\% | 46.2 | 2.4 | 4.9\% |
| ME1 | 486227 | 2008 | Dry | October | Used in Summary Table Analysis | 2,917.7 | 2,916.1 | 1.6 | 0.1\% | 2,915.9 | 1.9 | 0.1\% | 2,915.7 | 2.0 | 0.1\% | 2,915.6 | 2.1 | 0.1\% | 2,915.4 | 2.3 | 0.1\% | 2,915.3 | 2.4 | 0.1\% |
| ME1 | 48627 | 2008 | Dry | November | Used in Summary Table Analysis | 2,156.0 | 2,154.9 | 1.2 | 0.1\% | 2,154.6 | 1.4 | 0.1\% | 2,154.5 | 1.5 | 0.1\% | 2,154.4 | 1.6 | 0.1\% | 2,154.3 | 1.7 | 0.1\% | 2,154.2 | 1.9 | 0.1\% |
| ME1 | 48627 | 2008 | Dry | December |  | 14,186.3 | 14,185.2 | 1.2 | 0.0\% | 14,185.2 | 1.2 | 0.0\% | 14,185.2 | 1.2 | 0.0\% | 14,185.2 | 1.2 | 0.0\% | 14,185.2 | 1.2 | 0.0\% | 14,185.2 | 1.2 | 0.0\% |
| ME1 | 48627 | 2008 | Dry | January | -- | 15,875.0 | 15,873.8 | 1.2 | 0.0\% | 15,873.8 | 1.2 | 0.0\% | 15,873.8 | 1.2 | 0.0\% | 15,873.8 | 1.2 | 0.0\% | 15,873.8 | 1.2 | 0.0\% | 15,872.7 | 2.3 | 0.0\% |
| me 1 | 48627 | 2008 | Dry | February | -- | 6,489.9 | 6,489.1 | 0.8 | 0.0\% | 6,489.1 | 0.8 | 0.0\% | 6,489.0 | 0.9 | 0.0\% | 6,489.0 | 0.9 | 0.0\% | 6,488.9 | 1.0 | 0.0\% | 6,488.8 | 1.2 | 0.0\% |
| ME1 | 486227 | 2008 | Dry | March | -- | 3,163.8 | 3,163.2 | 0.6 | 0.0\% | 3,163.2 | 0.6 | 0.0\% | 3,163.1 | 0.7 | 0.0\% | 3,163.1 | 0.7 | 0.0\% | 3,163.0 | 0.8 | 0.0\% | 3,163.0 | 0.8 | 0.0\% |
| ME1 | 48627 | 2008 | Dry | April | - | 4,317.8 | 4,314.7 | 3.1 | 0.1\% | 4,314.5 | 3.4 | 0.1\% | 4,314.1 | 3.7 | 0.1\% | 4,313.8 | 4.1 | 0.1\% | 4,313.5 | 4.3 | 0.1\% | 4,313.2 | 4.6 | 0.1\% |
| ME1 | 48627 | 2008 | Dry | may | - | 76.0 | 74.5 | 1.5 | 2.0\% | 74.4 | 1.6 | 2.2\% | 74.2 | 1.8 | 2.4\% | 74.1 | 2.0 | 2.6\% | 73.9 | 2.1 | 2.8\% | 73.7 | 2.3 | 3.0\% |
| ME1 | 48627 | 2008 | Dry | June | - | 75.7 | 72.4 | 3.3 | 4.3\% | 72.1 | 3.6 | 4.8\% | 71.8 | 3.9 | 5.2\% | 71.5 | 4.3 | 5.6\% | 71.1 | 4.6 | 6.1\% | 70.8 | 4.9 | 6.5\% |
| me 1 | 48627 | 2008 | Dry | July | - | 48.1 | 45.8 | 2.3 | 4.8\% | 45.6 | 2.5 | 5.2\% | 45.3 | 2.7 | 5.7\% | 45.1 | 3.0 | 6.2\% | 44.9 | 3.2 | 6.6\% | 44.7 | 3.4 | 7.1\% |
| ME1 | 486227 | 2008 | Dry | August | -- | 44.6 | ${ }^{42.4}$ | 2.2 | 5.0\% | ${ }^{42.1}$ | 2.4 | 5.5\% | 41.9 | 2.7 | 6.0\% | 41.7 29.6 | 2.9 | ${ }^{6.5 \%}$ | 41.5 294 | 3.1 39 | 7.0\% | 41.2 | 3.3 4 | 7.5\% |
| ME1 | 486227 | 2008 | Dry | September | Used in Summary Table Analysis | 33.3 | 30.5 | 2.8 | 8.4\% | 30.2 | 3.1 | 9.3\% | 29.9 | 3.4 | 10.1\% | 29.6 | 3.6 | 10.9\% | 29.4 | 3.9 | 11.8\% | 29.1 | 4.2 | 12.6\% |
| ME1 | 486227 | 2009 | Critical | October | Used in Summary Table Analysis | 650.9 | 648.8 | 2.1 | ${ }^{0.3 \%}$ | ${ }^{648.6}$ | 2.3 | 0.4\% | 648.4 | 2.5 | 0.4\% | 648.1 | 2.8 | 0.4\% | 647.9 38628 | 3.0 | ${ }^{0.5 \%}$ | ${ }^{647.7}$ | 3.2 | 0.5\% |
| ME1 | 48627 | 2009 | Critical | November | Used in Summary Table Analysis | 3,864.9 | 3,863.4 | 1.5 | 0.0\% | 3,863.3 | 1.6 | 0.0\% | 3,863.1 | 1.9 | 0.0\% | 3,863.0 | 2.0 | 0.1\% | 3,862.8 | 2.1 | 0.1\% | $3,862.6$ 7,1639 | 2.3 | 0.1\% |
| ME1 | 48627 | 2009 | Critical | December |  | 7,165.9 | 7,164.5 | 1.4 | 0.0\% | 7,164.4 | 1.5 | 0.0\% | 7,164.2 | 1.6 | 0.0\% | 7,164.1 | 1.7 | 0.0\% | 7,164.0 | 1.9 | 0.0\% | 7,163.9 | 2.0 | 0.0\% |
| ME1 | 486227 | 2009 | Critical | January | -- | 4,429.4 | 4,428.4 | 1.0 | 0.0\% | 4,428.2 | 1.2 | 0.0\% | 4,428.1 | 1.3 | 0.0\% | 4,428.0 | 1.4 | 0.0\% | 4,427.9 | 1.5 | 0.0\% | 4,427.8 | 1.6 | 0.0\% |
| ME1 | 48627 | 2009 | Critical | February | -- | 13,515.0 | 13,513.9 | 1.2 | 0.0\% | 13,513.9 | 1.2 | 0.0\% | 13,513.9 | 1.2 | 0.0\% | 13,513.9 | 1.2 | 0.0\% | 13,513.9 | 1.2 | 0.0\% | 13,512.7 | 2.3 | 0.0\% |
| ME1 | 486227 | 2009 | Critical | March | -- | 10,992.5 | 10,991.7 | 0.8 | 0.0\% | 10,991.6 | 0.9 | 0.0\% | 10,991.6 | 0.9 | 0.0\% | 10,991.4 | 1.0 | 0.0\% | 10,991.3 | 1.2 | 0.0\% | 10,991.3 | 1.2 | 0.0\% |
| ME1 | 48627 | 2009 | Critical | April | - | 4,796.2 | 4,792.9 | 3.2 | 0.1\% | 4,792.6 | 3.6 | 0.1\% | 4,792.2 | 3.9 | 0.1\% | 4,792.1 | 4.1 | 0.1\% | 4,791.8 | 4.4 | 0.1\% | 4,791.4 | 4.7 | 0.1\% |
| ME1 | 48627 | 2009 | Critical | May | - | 10,345.9 | 10,342.9 | 3.0 | 0.0\% | 10,342.7 | 3.2 | 0.0\% | 10,342.5 | 3.5 | 0.0\% | 10,342.1 | 3.8 | 0.0\% | 10,341.9 | 4.1 | 0.0\% | 10,341.6 | 4.4 | 0.0\% |
| ME1 | 486227 | 2009 | Critical | June | - | 336.9 | 333.1 | 3.8 | 1.1\% | 332.7 | 4.1 | 1.2\% | 332.3 | 4.5 | 1.3\% | 331.9 | 4.9 | 1.5\% | 331.6 | 5.3 | 1.6\% | 331.2 | 5.6 | 1.7\% |
| ME1 | 486227 | 2009 | Critical | July | - | 68.3 | 65.9 | 2.4 | 3.5\% | 65.7 | 2.6 | 3.8\% | 65.5 | 2.8 | 4.1\% | 65.2 | 3.0 | 4.5\% | 65.0 | 3.2 | 4.7\% | 64.8 | 3.5 | 5.1\% |
| ME1 | 486227 | 2009 | Critical | August | -- | 54.2 | 52.0 | 2.2 | 4.1\% | 51.8 | 2.5 | 4.5\% | 51.5 | 2.7 | 4.9\% | 51.3 | 2.9 | 5.3\% | 51.1 | 3.1 | 5.7\% | 50.9 | 3.3 | 6.1\% |
| ME1 | 48627 | 2009 | Critical | September | Used in Summary Table Analysis | 48.2 | 46.2 | 2.0 | 4.1\% | 46.0 | 2.2 | 4.5\% | 45.8 | 2.4 | 4.9\% | 45.6 | 2.6 | 5.3\% | 45.4 | 2.7 | 5.7\% | 45.3 | 2.9 | 6.1\% |
| ME1 | 48627 | 2010 | Below Normal | October | Used in Summary Table Analysis | 5,087.3 | 5,085.2 | 2.1 | 0.0\% | 5,085.1 | 2.2 | 0.0\% | 5,084.8 | 2.4 | 0.0\% | 5,084.6 | 2.7 | 0.1\% | 5,084.5 | 2.8 | 0.1\% | 5,084.3 | 3.0 | 0.1\% |
| ME1 | 486227 | 2010 | Below Normal | November | Used in Summary Table Analysis | 6,061.6 | 6,060.1 | 1.5 | 0.0\% | 6,059.8 | 1.7 | 0.0\% | 6,059.7 | 1.9 | 0.0\% | 6,059.6 | 2.0 | 0.0\% | 6,059.4 | 2.2 | 0.0\% | 6,059.3 | 2.3 | 0.0\% |
| ME1 | 486227 | 2010 | Below Normal | December | - | 6,261.1 | 6,259.8 | 1.3 | 0.0\% | 6,259.7 | 1.4 | 0.0\% | ${ }^{6,259.6}$ | 1.5 | 0.0\% | 6,259.5 | 1.6 | 0.0\% | 6,259.4 | 1.7 | 0.0\% | 6,259.3 | 1.9 | 0.0\% |
| ME1 | 486227 | 2010 | Below Normal | January | - | 17,998.8 | 17,997.7 | 1.2 | 0.0\% | 17,997.7 | 1.2 | 0.0\% | 17,997.7 | 1.2 | 0.0\% | 17,997.7 | 1.2 | 0.0\% | 17,997.7 | 1.2 | 0.0\% | 17,997.7 | 1.2 | 0.0\% |
| ME 1 | 486227 | 2010 | Below Normal | February | -- | 11,604.2 | 11,603.0 | 1.2 | 0.0\% | 11,603.0 | 1.2 | 0.0\% | 11,603.0 | 1.2 | 0.0\% | 11,603.0 | 1.2 | 0.0\% | 11,603.0 | 1.2 | 0.0\% | 11,603.0 | 1.2 | 0.0\% |
| ME 1 | 486227 486227 | 2010 2010 | Below Normal Below Normal | March |  | $15,943.3$ 22,751.2 | $15,942.1$ 22,751.2 | 1.2 0.0 | 0.0\% $0.0 \%$ 0 | $15,942.1$ 22,751.2 | 1.2 0.0 | 0.0\% | $15,942.1$ 22,751.2 | 1.2 0.0 | 0.0\% | $15,942.1$ 22.751 .2 | 1.2 0.0 | $0.0 \%$ $0.0 \%$ 0 | $15,942.1$ 22,751.2 | 1.2 0.0 | 0.0\% | $15,942.1$ 22751.2 | 1.2 0.0 | - |
| ME1 | 486227 | 2010 | Below Normal | May | -- | ${ }_{6,388.7}$ | ${ }_{6,385.6}$ | 3.0 | 0.0\% | ${ }_{6,385.4}^{2,46.1}$ | 3.2 | 0.1\% | ${ }_{6,385.1}^{22,121}$ | 3.6 | 0.1\% | 6,384.7 | 3.9 | 0.1\% | ${ }_{6,384.5}$ | 4.2 | 0.1\% | ${ }_{6} 68843$ | 4.4 | 0.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  |  |  | Flowwithout Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Month | Note |  | Flow (cfs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference |
| ME1 | 486227 | 2010 | Below Normal | June | - | 3,599.0 | 3,595.4 | 3.6 | 0.1\% | 3,595.0 | 3.9 | 0.1\% | 3,594.6 | 4.4 | 0.1\% | 3,594.2 | 4.7 | 0.1\% | 3,593.9 | 5.1 | 0.1\% | 3,593.5 | 5.4 | 0.2\% |
| ME1 | 48627 | 2010 | Below Normal | July | - | 88.4 | 86.3 | 2.1 | 2.4\% | 86.0 | 2.3 | 2.6\% | 85.8 | 2.6 | 2.9\% | 85.6 | 2.8 | 3.1\% | 85.4 | 3.0 | 3.4\% | 85.2 | 3.2 | 3.6\% |
| ME1 | 486227 | 2010 | Below Normal | August | -- | 66.3 | 64.5 | 1.8 | 2.8\% | 64.4 | 2.0 | 3.0\% | 64.2 | 2.2 | 3.3\% | 64.0 | 2.4 | 3.6\% | 63.9 | 2.5 | 3.7\% | 63.7 | 2.7 | 4.0\% |
| ME1 | 48627 | 2010 | Below Normal | September | Used in Summary Table Analysis | 319.5 | 317.2 | 2.3 | 0.7\% | 317.0 | 2.5 | 0.8\% | 316.7 | 2.7 | 0.9\% | 316.5 | 3.0 | 0.9\% | 316.3 | 3.2 | 1.0\% | 316.0 | 3.4 | 1.1\% |
| ME1 | 48627 | 2011 | Wet | October | Used in Summary Table Analysis | 7,127.0 | 7,125.5 | 1.5 | 0.0\% | 7,125.3 | 1.6 | 0.0\% | 7,125.1 | 1.9 | 0.0\% | 7,125.0 | 2.0 | 0.0\% | 7,124.9 | 2.1 | 0.0\% | 7,124.7 | 2.3 | 0.0\% |
| ME1 | 48627 | 2011 | Wet | November | Used in Summary Table Analysis | 6,143.3 | 6,142.1 | 1.2 | 0.0\% | 6,142.0 | 1.3 | 0.0\% | 6,141.9 | 1.4 | 0.0\% | 6,141.8 | 1.5 | 0.0\% | 6,141.7 | 1.6 | 0.0\% | 6,141.6 | 1.7 | 0.0\% |
| ME1 | 48627 | 2011 | Wet | December | - | 17,415.5 | 17,414.4 | 1.2 | 0.0\% | 17,414.4 | 1.2 | 0.0\% | 17,414.4 | 1.2 | 0.0\% | 17,414,4 | 1.2 | 0.0\% | 17,414,4 | 1.2 | 0.0\% | 17,414.4 | 1.2 | 0.0\% |
| ME1 | 48627 | 2011 | Wet | January | - | 3,454.4 | 3,453.7 | 0.7 | 0.0\% | 3,453.6 | 0.8 | 0.0\% | 3,453.6 | 0.8 | 0.0\% | 3,453.5 | 0.9 | 0.0\% | 3,453.4 | 1.0 | 0.0\% | 3,453.4 | 1.0 | 0.0\% |
| ME1 | 48627 | 2011 | Wet | February | -- | 10,677.4 | 10,676.7 | 0.7 | 0.0\% | 10,676.6 | 0.8 | 0.0\% | 10,676.6 | 0.8 | 0.0\% | 10,676.5 | 0.9 | 0.0\% | 10,676.4 | 1.0 | 0.0\% | 10,676.4 | 1.0 | 0.0\% |
| ME1 | 48627 | 2011 | Wet | March | - | 28,56.7 | 28,55.6 | 1.2 | 0.0\% | 28,55.6 | 1.2 | 0.0\% | 28,555.6 | 1.2 | 0.0\% | 28,55.6 | 1.2 | 0.0\% | 28,555.6 | 1.2 | 0.0\% | 28,55.6 | 1.2 | 0.0\% |
| me1 | 48627 | 2011 | Wet | April | - | 11,030.7 | 11,030.1 | 0.6 | 0.0\% | 11,030.1 | 0.6 | 0.0\% | 11,030.0 | 0.7 | 0.0\% | 11,030.0 | 0.7 | 0.0\% | 11,029.9 | 0.8 | 0.0\% | 11,029.9 | 0.8 | 0.0\% |
| ME1 | 48627 | 2011 | Wet | May | - | 4,788.8 | 4,786.2 | 2.5 | 0.1\% | 4,785.9 | 2.9 | 0.1\% | 4,785.6 | 3.1 | 0.1\% | 4,785.3 | 3.5 | 0.1\% | 4,785.1 | 3.7 | 0.1\% | 4,784.7 | 4.1 | 0.1\% |
| ME1 | 48627 | 2011 | Wet | June | - | 3,122.9 | 3,119.3 | 3.6 | 0.1\% | 3,119.0 | 3.9 | 0.1\% | 3,118.6 | 4.3 | 0.1\% | 3,118.3 | 4.6 | 0.1\% | 3,117.9 | 5.0 | 0.2\% | 3,117.6 | 5.3 | 0.2\% |
| me 1 | 48627 | 2011 | wet | July | - | 215.1 | 212.0 | 3.1 | 1.4\% | 211.7 | 3.4 | 1.6\% | 211.4 | 3.7 | 1.7\% | 211.1 | 4.0 | 1.9\% | 210.8 | 4.3 | 2.0\% | 210.5 | 4.6 | 2.2\% |
| ME1 | 48627 | 2011 | Wet | August | - | 65.2 | 63.5 | 1.7 | 2.6\% | 63.3 | 1.8 | 2.8\% | 63.2 | 2.0 | 3.1\% | 63.0 | 2.2 | 3.3\% | 62.8 | 2.3 | 3.6\% | 62.7 | 2.5 | 3.9\% |
| me1 | 48627 | 2011 | Wet | September | Used in Summary Table Analysis | 54.8 | 53.3 | 1.5 | 2.7\% | 53.2 | 1.6 | 2.9\% | 53.0 | 1.8 | 3.2\% | 52.9 | 1.9 | 3.5\% | 52.7 | 2.0 | 3.7\% | 52.6 | 2.2 | 4.0\% |
| me 1 | 48627 | 2012 | Below Normal | October | Used in Summary Table Analysis | 3,519.2 | 3,517.8 | 1.4 | 0.0\% | 3,517.6 | 1.6 | 0.0\% | 3,517.5 | 1.7 | 0.0\% | 3,517.4 | 1.9 | 0.1\% | 3,517.2 | 2.0 | 0.1\% | 3,517.0 | 2.2 | 0.1\% |
| ME1 | 48627 | 2012 | Below Normal | November | Used in Summary Table Analysis | 4,803.2 | 4,802.1 | 1.2 | 0.0\% | 4,802.0 | 1.3 | 0.0\% | 4,801.9 | 1.4 | 0.0\% | 4,801.7 | 1.5 | 0.0\% | 4,801.6 | 1.6 | 0.0\% | 4,801.5 | 1.7 | 0.0\% |
| ME1 | 486227 | 2012 | Below Normal | December |  | 1,952.0 | 1,950.9 | 1.0 | 0.1\% | 1,950.9 | 1.0 | 0.1\% | 1,950.8 | 1.2 | 0.1\% | 1,950.7 | 1.3 | 0.1\% | 1,950.6 | 1.4 | 0.1\% | 1,950.5 | 1.5 | 0.1\% |
| ME1 | 48627 | 2012 | Below Normal | January | - | 11,396.2 | 11,395.4 | 0.8 | 0.0\% | 11,395,3 | 0.9 | 0.0\% | 11,395.1 | 1.0 | 0.0\% | 11,395.1 | 1.0 | 0.0\% | 11,395.0 | 1.2 | 0.0\% | 11,394.9 | 1.3 | 0.0\% |
| me1 | 48627 | 2012 | Below Normal | February | - | 6,636.2 | 6,635.5 | 0.7 | 0.0\% | 6,635.5 | 0.7 | 0.0\% | 6,635.4 | 0.8 | 0.0\% | 6,635.3 | 0.9 | 0.0\% | 6,635.3 | 0.9 | 0.0\% | 6,635.2 | 1.0 | 0.0\% |
| me 1 | 48627 | 2012 | Below Normal | March | - | 25,053.2 | 25,052.1 | 1.2 | 0.0\% | 25,052.1 | 1.2 | 0.0\% | 25,052.1 | 1.2 | 0.0\% | 25,052.1 | 1.2 | 0.0\% | 25,052.1 | 1.2 | 0.0\% | 25,052.1 | 1.2 | 0.0\% |
| ME1 | 48627 | 2012 | Below Normal | April | - | 12,476.9 | 12,475.7 | 1.2 | 0.0\% | 12,475.7 | 1.2 | 0.0\% | 12,475.7 | 1.2 | 0.0\% | 12,475.7 | 1.2 | 0.0\% | 12,475.7 | 1.2 | 0.0\% | 12,475.7 | 1.2 | 0.0\% |
| me 1 | 48627 | 2012 | Below Normal | May | - | 2,041.2 | 2,038.4 | 2.8 | 0.1\% | 2,038.1 | 3.1 | 0.2\% | 2,037.8 | 3.4 | 0.2\% | 2,037.5 | 3.7 | 0.2\% | 2,037.4 | 3.8 | 0.2\% | 2,037.2 | 4.1 | 0.2\% |
| ME1 | 48627 | 2012 | Below Normal | June | - | 3,028.2 | 3,024.7 | 3.6 | 0.1\% | 3,024.3 | 3.9 | 0.1\% | 3,023.8 | 4.4 | 0.1\% | 3,023.5 | 4.7 | 0.2\% | 3,023.1 | 5.1 | 0.2\% | 3,022.8 | 5.4 | 0.2\% |
| me1 | 48627 | 2012 | Below Normal | July | - | 1,079.9 | 1,076.7 | 3.2 | 0.3\% | 1,076.4 | 3.5 | 0.3\% | 1,076.1 | 3.8 | 0.4\% | 1,075.8 | 4.1 | 0.4\% | 1,075.5 | 4.4 | 0.4\% | 1,075.2 | 4.7 | 0.4\% |
| ME1 | 48627 | 2012 | Below Normal | August | -- | 72.1 | 70.4 | 1.7 | 2.4\% | 70.2 | 1.9 | 2.6\% | 70.1 | 2.0 | 2.8\% | 69.9 | 2.2 | 3.0\% | 69.8 | 2.3 | 3.2\% | 69.6 | 2.5 | 3.4\% |
| ME1 | 48627 | 2012 | Below Normal | September | Used in Summary Table Analysis | 58.6 | 57.1 | 1.5 | 2.5\% | 57.0 | 1.6 | 2.8\% | 56.8 | 1.8 | 3.1\% | 56.7 | 1.9 | 3.3\% | 56.5 | 2.1 | 3.6\% | 56.4 | 2.2 | 3.8\% |
| me 1 | 48627 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,478.7 | 1,477.1 | 1.6 | 0.1\% | 1,476.9 | 1.9 | 0.1\% | 1,476.7 | 2.0 | 0.1\% | 1,476.5 | 2.2 | 0.1\% | 1,476.4 | 2.3 | 0.2\% | 1,476.3 | 2.4 | 0.2\% |
| me1 | 486227 | 2013 | Below Normal | November | Used in Summary Table Analysis | 9,451.6 | 9,450.3 | 1.3 | 0.0\% | 9,450.2 | 1.4 | 0.0\% | 9,450.1 | 1.5 | 0.0\% | 9,450.0 | 1.6 | 0.0\% | 9,499.9 | 1.7 | 0.0\% | 9,499.8 | 1.9 | 0.0\% |
| ME1 | 486227 | 2013 | Below Normal | December |  | 32,023.1 | 32,022.0 | 1.2 | 0.0\% | 32,022.0 | 1.2 | 0.0\% | 32,020.8 | 2.3 | 0.0\% | 32,020.8 | 2.3 | 0.0\% | 32,020.8 | 2.3 | 0.0\% | 32,020.8 | 2.3 | 0.0\% |
| ME1 | 48627 | 2013 | Below Normal | January | -- | 4,806.3 | 4,805.4 | 0.8 | 0.0\% | 4,805.3 | 0.9 | 0.0\% | 4,805.2 | 1.0 | 0.0\% | 4,805.2 | 1.0 | 0.0\% | 4,805.2 | 1.0 | 0.0\% | 4,805.1 | 1.2 | 0.0\% |
| ME1 | 48627 | 2013 | Below Normal | February | - | 3,058.8 | 3,058.1 | 0.7 | 0.0\% | 3,058.0 | 0.8 | 0.0\% | 3,057.9 | 0.9 | 0.0\% | 3,057.9 | 0.9 | 0.0\% | 3,057.8 | 1.0 | 0.0\% | 3,057.6 | 1.2 | 0.0\% |
| me 1 | 48627 | 2013 | Below Normal | March | - | 5,617.1 | 5,616.6 | 0.6 | 0.0\% | 5,616.4 | 0.7 | 0.0\% | 5,616.4 | 0.7 | 0.0\% | 5,616.3 | 0.8 | 0.0\% | 5,616.3 | 0.8 | 0.0\% | 5,616.2 | 0.9 | 0.0\% |
| ME 1 | 486227 | 2013 | Below Normal | April | - | 4,383.1 | 4,380.4 | 2.7 | 0.1\% | 4,380.2 | 2.9 | 0.1\% | 4,379.9 | 3.2 | 0.1\% | 4,379.6 | 3.5 | 0.1\% | 4,379.4 | 3.7 | 0.1\% | 4,379.2 | 3.9 | 0.1\% |
| ME1 | 486227 | 2013 | Below Normal | May | - | 2,265.5 | 2,263.4 | 2.1 | 0.1\% | 2,263.2 | 2.3 | 0.1\% | 2,263.0 | 2.5 | 0.1\% | ${ }^{2,262.7}$ | 2.8 | 0.1\% | 2,262.5 | 3.0 | 0.1\% | 2,262.3 | 3.2 | 0.1\% |
| ME1 | 486227 48627 | 2013 | Below Normal | June | - | ${ }^{1,010.3}$ | 1,007.1 | 3.2 | 0.3\% | 1,006.8 | 3.5 | 0.3\% | 1,006.5 | 3.8 | ${ }^{0.4 \%}$ | 1,006.2 65, | 4.1 | 0.4\% | 1,005.9 | 4.4 | 0.4\% 388 | ${ }_{1}^{1,005.5}$ | 4.7 | 0.5\% |
| ME1 | 48627 | 2013 | Below Normal | July | - | 68.1 | 66.3 | 1.9 | 2.7\% | 66.1 | 2.0 | 3.0\% | 65.9 | 2.2 | 3.3\% | 65.7 | 2.4 | 3.5\% | 65.5 | 2.6 | 3.8\% | 65.3 | 2.8 | 4.1\% |
| ME1 | 486227 486227 | 2013 | Below Norral Below Normal | August Sentember | Used in Summary Table Analysis | 55.1 3820.4 | 53.3 38179 | 1.8 2.4 1 | 3.2\% | 53.1 3.817 .7 | 2.0 2.7 | 3.5\% | 53.0 3.817 .5 | 2.1 <br> 29 | $3.9 \%$ $0.1 \%$ | 52.8 3.817 .1 | 2.3 3.2 | $4.2 \%$ $0.1 \%$ | ${ }_{3.816 .9}$ | 2.5 3.5 | 4.5\% | 52.4 3816.7 | 2.7 3 | 4.8\% |
| ME 1 ME 1 | 486227 486227 | 2013 2014 | Below Normal Critical | September October | Used in Summary Table Analysis | $3,820.4$ 89.3 | $3,817.9$ 87.7 | 2.4 1.6 | 0.1\% | $3,817.7$ 87.6 | 2.7 1.8 | 0.1\% | ${ }_{3}^{3,817.5}$ | 2.9 1.9 | 0.1\% | $3,817.1$ 87.3 | 3.2 2.1 | 0.1\% | $3,816.9$ 87.1 | 3.5 2.2 | 0.1\% | $3,816.7$ 87.0 | 3.7 2.4 | 0.1\% |
| ME1 | 486227 | 2014 | Critical | November | Used in Summary Table Analysis | 1,146.0 | 1,144.7 | 1.3 | 0.1\% | 1,144.6 | 1.4 | 0.1\% | 1,144.5 | 1.5 | 0.1\% | 1,144.4 | 1.6 | 0.1\% | 1,144.2 | 1.7 | 0.2\% | 1,144.1 | 1.9 | 0.2\% |
| ME1 | 486227 | 2014 | Critical | December | - | 915.0 | 914.0 | 1.0 | 0.1\% | 913.9 | 1.1 | 0.1\% | 913.8 | 1.2 | 0.1\% | 913.7 | 1.3 | 0.1\% | 913.6 | 1.4 | 0.2\% | 913.5 | 1.5 | 0.2\% |
| ME1 | 48627 | 2014 | Critical | January | - | 1,812.0 | 1,811.2 | 0.8 | 0.0\% | 1,811.1 | 0.9 | 0.1\% | 1,811.0 | 1.0 | 0.1\% | 1,810.9 | 1.2 | 0.1\% | 1,810.9 | 1.2 | 0.1\% | 1,810.8 | 1.3 | 0.1\% |
| ME1 | 486227 | 2014 | Critical | February | -- | ${ }^{9,847.8}$ | 9,847.0 | 0.8 | 0.0\% | 9,847.0 | 0.8 | 0.0\% | 9,846.9 | 0.9 | 0.0\% | ${ }^{9,846.8}$ | 1.0 | 0.0\% | $9,846.8$ 147986 | 1.0 | 0.0\% | $9,846.6$ 147986 | 1.2 | 0.0\% |
| ME1 | 486227 | 2014 | Critical | March | - | 14,798.6 | 14,798.6 | 0.0 | 0.0\% | 14,798.6 | 0.0 | 0.0\% | 14,798.6 | 0.0 | 0.0\% | 14,798.6 | 0.0 | 0.0\% | 14,798.6 | 0.0 | 0.0\% | 14,798.6 | 0.0 | 0.0\% |
| ME 1 | 486227 | 2014 | Critical | April | - | $3,617.5$ 1846.1 | $3,614.5$ 18434 | 3.0 | ${ }^{0.1 \%}$ | $3,614.1$ <br> 1843 <br> 164 | 3.4 | ${ }^{0.1 \%}$ | $3,613.9$ 18429 | 3.6 3. | ${ }^{0.1 \%}$ | $3,613.5$ 1,8426 | 3.9 | 0.1\% $0.2 \%$ | $3,613.2$ 1842.4 | 4.3 <br> 3 | $0.1 \%$ $0.2 \%$ | $3,612.8$ $1,842.1$ | 4.6 3.9 | 0.1\% $0.2 \%$ |
| ME 1 | 486227 486227 | 2014 2014 | Critical Critical | May June | $\cdots$ | 1,846.1 120.6 | $1,843.4$ 116.8 | 2.7 3.8 | $0.1 \%$ $3.2 \%$ | $1,843.2$ <br> 116.4 | 2.9 4.2 | $0.2 \%$ <br> $3.5 \%$ | $1,842.9$ 116.0 | 3.1 4.5 | $0.2 \%$ <br> $3.8 \%$ | $1,842.6$ 115.6 | 3.5 4.9 | $0.2 \%$ $4.1 \%$ | 1,842.4 <br> 115.3 <br> , | 3.7 5.3 | 0.2\% $4.4 \%$ | $1,842.1$ 114.9 | 3.9 5.7 | 0.2\% |
| ME1 | 486227 | 2014 | Critical | July | -- | 57.0 | 54.8 | 2.2 | 3.9\% | 54.6 | 2.4 | 4.3\% | 54.4 | 2.7 | 4.7\% | 54.2 | 2.9 | 5.1\% | 54.0 | 3.1 | 5.4\% | 53.7 | ${ }_{3} 3$ | 5.8\% |
| ME1 | 486227 | 2014 | Critical | August | -- | 49.6 | 47.5 | 2.2 | 4.4\% | 47.2 | 2.4 | 4.8\% | 47.0 | 2.6 | 5.3\% | 46.8 | 2.8 | 5.7\% | 46.6 | 3.1 | 6.2\% | 46.4 | 3.3 | 6.5\% |
| ME1 | 48627 | 2014 | Critical | September | Used in Summary Table Analysis | 2,098.1 | 2,095.1 | 3.0 | 0.1\% | 2,094.8 | 3.4 | 0.2\% | 2,094.6 | 3.6 | 0.2\% | 2,094.2 | 3.9 | 0.2\% | 2,094.0 | 4.2 | 0.2\% | 2,093.6 | 4.5 | 0.2\% |
| me1 | 486227 | 2015 | Dry | October | Used in Summary Table Analysis | 8,226.7 | 8,224.5 | 2.2 | 0.0\% | 8,224.4 | 2.3 | 0.0\% | 8,224.2 | 2.5 | 0.0\% | 8,223.3 | 3.5 | 0.0\% | 8,223.1 | 3.6 | 0.0\% | 8,222.9 | 3.8 | 0.0\% |
| me 1 | 48627 | 2015 | Dry | November | Used in Summary Table Analysis | 4,147.0 | 4,145.5 | 1.5 | 0.0\% | 4,145.3 | 1.7 | 0.0\% | 4,145.1 | 1.9 | 0.0\% | 4,144.9 | 2.1 | 0.1\% | 4,144.8 | 2.2 | 0.1\% | 4,144.7 | 2.3 | 0.1\% |
| ME1 | 48627 | 2015 | Dry | December |  | 15,217.6 | 15,216.4 | 1.2 | 0.0\% | 15,216,4 | 1.2 | 0.0\% | 15,216.4 | 1.2 | 0.0\% | 15,216.4 | 1.2 | 0.0\% | 15,216.4 | 1.2 | 0.0\% | 15,216.4 | 1.2 | 0.0\% |
| ME1 | 48627 | 2015 | Dry | January |  | 2,392.7 | 2,391.8 | 0.9 | 0.0\% | 2,391.7 | 1.0 | 0.0\% | 2,391.6 | 1.2 | 0.0\% | 2,391.4 | 1.3 | 0.1\% | 2,391.3 | 1.4 | 0.1\% | 2,391.2 | 1.5 | 0.1\% |
| ME1 | 48627 | 2015 | Dry | February | -- | 15,027.8 | 15,026.6 | 1.2 | 0.0\% | 15,026.6 | 1.2 | 0.0\% | 15,026.6 | 1.2 | 0.0\% | 15,026.6 | 1.2 | 0.0\% | 15,026.6 | 1.2 | 0.0\% | 15,026.6 | 1.2 | 0.0\% |
| ME1 | 48627 | 2015 | Dry | March | - | 4,129.6 | 4,128.9 | 0.7 | 0.0\% | 4,128.8 | 0.8 | 0.0\% | 4,128.8 | 0.8 | 0.0\% | 4,128.7 | 0.9 | 0.0\% | 4,128.6 | 1.0 4.4 | ${ }^{0.0 \%}$ | 4,128.6 | 1.0 | 0.0\% |
| ME1 | 48627 | 2015 | Dry | April | -- | 4,470.7 | 4,467.6 | 3.1 | 0.1\% | 4,467.2 | 3.5 | 0.1\% | 4,466.9 | 3.8 | 0.1\% | 4,466.6 | 4.2 | 0.1\% | 4,466.3 | 4.4 | 0.1\% | 4,466.0 | 4.7 | 0.1\% |
| ME1 | 48627 | 2015 | Dry | May | - | 141.3 | 138.7 | 2.6 | 1.8\% | 138.4 | 2.8 | 2.0\% | 138.2 | 3.1 | 2.2\% | 137.9 | 3.4 | 2.4\% | 137.7 | 3.6 | 2.6\% | 137.4 | 3.9 | 2.7\% |
| ME1 | 48627 | 2015 | Dry | June | - | 175.4 | 172.1 | 3.4 | 1.9\% | 171.7 | 3.7 | 2.1\% | 171.4 | 4.1 | 2.3\% | 171.1 | 4.4 | 2.5\% | 170.7 | 4.7 | 2.7\% | 170.4 | 5.0 | 2.9\% |
| ME1 | 48627 | 2015 | Dry | July | - | 53.0 | 50.7 | 2.3 | 4.4\% | 50.4 | 2.5 | 4.8\% | 50.2 | 2.8 | 5.2\% | 50.0 | 3.0 | 5.7\% | 49.7 | 3.2 | 6.1\% | 49.5 | 3.5 | 6.5\% |
| ME 1 | 486227 | 2015 | Dry | August | , | 47.4 | 45.2 | 2.2 | 4.7\% | 44.9 | 2.5 | 5.2\% | 44.7 | 2.7 | 5.5\% | 44.5 | 2.9 | 6.1\% | ${ }^{44.3}$ | 3.1 | 6.6\% | 44.0 | 3.3 | 7.1\% |
|  | 486227 | 2015 | Dry | September | ed in Summary Table Analysis | 45.7 | 43.7 | 2.0 | 4.4\% | 43.5 | 2.2 | 4.8\% | 43.3 | 2.4 | 5.3\% | 43.1 | 2.6 | 5.7\% | 42.9 | 2.8 | 6.2\% | 42.7 | 3.0 | 6.5\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan



Water
2016


## 

Normal
 Note
Note meber Used in Summa emer Used in Summary Table Analysis Analysis
 Used in Summary Table Analysis Used in Summary Table Analysis
Used in Summary Table Analysis Ae Analysis
lis Anlalsis
le Analysis
 Existing Conditions $10 \%$ Pumping Increase $\begin{array}{ll}\text { Flow } \\ \text { Difference } & \text { Percent }\end{array}$ 20\% Pumping Increase
$\square$
Flow
Difference Percent
Difference
 $\begin{array}{cc}\begin{array}{c}\text { Flow } \\ \text { Difference } \\ \text { (ts) }\end{array} & \text { Percent }\end{array}$ (ffs) $\begin{gathered}\text { Perfent } \\ \text { Difference }\end{gathered}$ Flow (c) Flow (cts) Difference Flow (cts)
 $\xrightarrow{\text { Flow (cfs) }}$ (fis)




 2.1
2.3
2.3
1.2
1.3
1.2
0.9
0.4
1.4
3.4
2.6
2.5
2.1
1.2
1.7
1.5
1.5
1.2
1.2
0.8
0.7
1.3
4.1
2.5
2.4
3.0
2.3
1.6
1.3
1.2
0.8
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0.8
1.2
3.8
2.2
2.6
2.4
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 Difference
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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan



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Month Note

August --
September Used in Summary Table Analysis



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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan


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## Note



Sed in Summary Table Analysis
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Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan


 - $10 \%$ Pumping Increase Percent 20\% Pumping Increase Flow
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Difference \begin{tabular}{cc}
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\text { Difference }\end{array}$ <br>
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\& (ffs) <br>
\hline $5,497.2$ \& 1.4 <br>
$02,232.6$ <br>
$5,679.9$ \& 1.2 <br>
1.9
\end{tabular}



Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  |  |  | FlowWithoutPumping Pumping(cfs) | Existing Conditions |  |  | 10\% Pumping Increr |  |  | 20\% Pumping Incre |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water <br> Reach) |  |  | Month | Note |  | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent <br> Difference | Flow (cfs) |  | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME1 | 476029 | 2000 | Above Normal | June | - | 607.1 | 603.6 | 3.4 | 0.6\% | 603.3 | 3.8 | 0.6\% | 603.0 | 4.1 | 0.7\% | 602.6 | 4.4 | 0.7\% | 602.3 | 4.8 | 0.8\% | 601.9 | 5.1 | 0.8\% |
| ME1 | 476029 | 2000 | Above Normal | July | - | 69.1 | 67.2 | 1.8 | 2.7\% | 67.1 | 2.0 | 2.9\% | 66.9 | 2.2 | 3.2\% | 66.7 | 2.4 | 3.5\% | 66.5 | 2.6 | 3.7\% | 66.3 | 2.8 | 4.0\% |
| ME1 | 476029 | 2000 | Above Normal | August | -- | 56.2 | 54.4 | 1.7 | 3.1\% | 54.2 | 1.9 | 3.4\% | 54.1 | 2.1 | 3.7\% | 53.9 | 2.3 | 4.0\% | 53.7 | 2.4 | 4.3\% | 53.6 | 2.6 | 4.6\% |
| ME1 | 476029 | 2000 | Above Normal | September | Used in Summary Table Analysis | 49.9 | 48.3 | 1.5 | 3.0\% | 48.2 | 1.7 | 3.3\% | 48.0 | 1.8 | 3.6\% | 47.9 | 2.0 | 4.0\% | 47.7 | 2.1 | 4.3\% | 47.6 | 2.3 | 4.6\% |
| ME1 | 476029 | 2001 | Dry | October | Used in Summary Table Analysis | 2,782.1 | 2,780.4 | 1.6 | 0.1\% | 2,780.3 | 1.7 | 0.1\% | 2,780.2 | 1.9 | 0.1\% | 2,780.0 | 2.1 | 0.1\% | 2,779.9 | 2.2 | 0.1\% | 2,779.7 | 2.3 | 0.1\% |
| ME1 | 476029 | 2001 | Dry | November | Used in Summary Table Analysis | 3,325.3 | 3,324.1 | 1.3 | 0.0\% | 3,324.0 | 1.4 | 0.0\% | 3,323.8 | 1.5 | 0.0\% | 3,323.7 | 1.6 | 0.0\% | 3,323.6 | 1.7 | 0.1\% | 3,323.5 | 1.9 | 0.1\% |
| ME1 | 476029 | 2001 | Dry | December - | -- | 4,940.5 | 4,939.6 | 0.9 | 0.0\% | 4,939.5 | 1.0 | 0.0\% | 4,939.4 | 1.2 | 0.0\% | 4,939.2 | 1.3 | 0.0\% | 4,939.1 | 1.4 | 0.0\% | 4,939.0 | 1.5 | 0.0\% |
| ME1 | 476029 | 2001 | Dry | January | -- | 6,539.9 | 6,539.0 | 0.9 | 0.0\% | 6,539.0 | 0.9 | 0.0\% | 6,538.9 | 1.0 | 0.0\% | 6,538.8 | 1.2 | 0.0\% | 6,538.8 | 1.2 | 0.0\% | 6,538.7 | 1.3 | 0.0\% |
| ME1 | 476029 | 2001 | Dry | February - | -- | $8,630.7$ | 8,630.0 | 0.7 | 0.0\% | 8,629.9 | 0.8 | 0.0\% | 8,629.7 | 0.9 | 0.0\% | 8,629.7 | 0.9 | 0.0\% | 8,629.6 | 1.0 | 0.0\% | 8,629.6 | 1.0 | 0.0\% |
| ME1 | 476029 | 2001 | Dry | March | -- | 5,168.5 | 5,167.9 | 0.6 | 0.0\% | 5,167.9 | 0.6 | 0.0\% | 5,167.8 | 0.7 | 0.0\% | 5,167.8 | 0.7 | 0.0\% | 5,167.7 | 0.8 | 0.0\% | 5,167.6 | 0.9 | 0.0\% |
| ME1 | 476029 | 2001 | Dry | April | -- | 5,111.9 | 5,108.8 | 3.1 | 0.1\% | 5,108.6 | 3.4 | 0.1\% | 5,108.2 | 3.7 | 0.1\% | 5,107.9 | 4.1 | 0.1\% | 5,107.6 | 4.3 | 0.1\% | 5,107.3 | 4.6 | 0.1\% |
| ME1 | 476029 | 2001 | Dry | May | - | 605.3 | 602.7 | 2.6 | 0.4\% | 602.4 | 2.9 | 0.5\% | 602.1 | 3.1 | 0.5\% | 601.9 | 3.3 | 0.5\% | 601.7 | 3.6 | 0.6\% | 601.4 | 3.9 | 0.6\% |
| ME1 | 476029 | 2001 | Dry | June | -- | 1,345.7 | 1,341.8 | 3.9 | 0.3\% | 1,341.4 | 4.3 | 0.3\% | 1,341.1 | 4.6 | 0.3\% | 1,340.6 | 5.1 | 0.4\% | 1,340,3 | 5.4 | 0.4\% | 1,339.9 | 5.8 | 0.4\% |
| ME1 | 476029 | 2001 | Dry | July | - | 66.6 | 64.5 | 2.1 | 3.2\% | 64.3 | 2.3 | 3.5\% | 64.1 | 2.5 | 3.8\% | 63.9 | 2.8 | 4.1\% | 63.7 | 3.0 | 4.5\% | 63.5 | 3.2 | 4.8\% |
| ME1 | 476029 | 2001 | Dry | August | -- | 53.8 | 51.6 | 2.2 | 4.1\% | 51.4 | 2.4 | 4.5\% | 51.2 | 2.6 | 4.9\% | 50.9 | 2.9 | 5.3\% | 50.7 | 3.1 | 5.7\% | 50.5 | 3.3 | 6.1\% |
| ME1 | 476029 | 2001 | Dry | September | Used in Summary Table Analysis | 48.4 | 46.4 | 2.0 | 4.1\% | 46.2 | 2.2 | 4.5\% | 46.0 | 2.4 | 5.0\% | 45.8 | 2.6 | 5.4\% | 45.6 | 2.8 | 5.8\% | 45.4 | 3.0 | 6.2\% |
| me 1 | 476029 | 2002 | Below Normal | October | Used in Summary Table Analysis | 137.2 | 135.0 | 2.1 | 1.6\% | 134.8 | 2.3 | 1.7\% | 134.6 | 2.6 | 1.9\% | 134.4 | 2.8 | 2.0\% | 134.2 | 3.0 | 2.2\% | 134.0 | 3.2 | 2.3\% |
| ME1 | 476029 | 2002 | Below Normal | November | Used in Summary Table Analysis | 7,296.2 | 7,294.4 | 1.7 | 0.0\% | 7,294.3 | 1.9 | 0.0\% | 7,294.1 | 2.1 | 0.0\% | 7,294.0 | 2.2 | 0.0\% | 7,293.9 | 2.3 | 0.0\% | 7,293.6 | 2.5 | 0.0\% |
| ME1 | 476029 | 2002 | Below Normal | December - | -- | 13,917.8 | 13,915.5 | 2.3 | 0.0\% | 13,915.5 | 2.3 | 0.0\% | 13,915.5 | 2.3 | 0.0\% | 13,915.5 | 2.3 | 0.0\% | 13,915.5 | 2.3 | 0.0\% | 13,915.5 | 2.3 | 0.0\% |
| ME1 | 476029 | 2002 | Below Normal | January | -- | 9,696.2 | 9,695.0 | 1.2 | 0.0\% | 9,694.9 | 1.3 | 0.0\% | 9,694.8 | 1.4 | 0.0\% | 9,694.7 | 1.5 | 0.0\% | 9,694.6 | 1.6 | 0.0\% | 9,694.4 | 1.7 | 0.0\% |
| ME1 | 476029 | 2002 | Below Normal | February |  | 8,413.7 | 8,412.7 | 0.9 | 0.0\% | 8,412.6 | 1.0 | 0.0\% | 8,412.5 | 1.2 | 0.0\% | 8,412.4 | 1.3 | 0.0\% | 8,412.3 | 1.4 | 0.0\% | 8,412.2 | 1.5 | 0.0\% |
| ME1 | 476029 | 2002 | Below Normal | March | -- | 7,278.2 | 7,277.4 | 0.8 | 0.0\% | 7,277.4 | 0.8 | 0.0\% | 7,277.3 | 0.9 | 0.0\% | 7,277.2 | 1.0 | 0.0\% | 7,277.2 | 1.0 | 0.0\% | 7,277.1 | 1.2 | 0.0\% |
| ME1 | 476029 | 2002 | Below Normal | April | - | 4,299.8 | 4,294.0 | 2.8 | 0.1\% | 4,293.6 | 3.1 | 0.1\% | 4,293.4 | 3.4 | 0.1\% | 4,293.1 | 3.7 | 0.1\% | 4,292.8 | 3.9 | 0.1\% | 4,292.6 | 4.2 | 0.1\% |
| ME1 | 476029 | 2002 | Below Normal | May | - | 1,145.1 | 1,142.8 | 2.3 | 0.2\% | 1,142.6 | 2.5 | 0.2\% | 1,142.3 | 2.8 | 0.2\% | 1,142.1 | 3.0 | 0.3\% | 1,141.9 | 3.2 | 0.3\% | 1,141.6 | 3.5 | 0.3\% |
| ME1 | 476029 | 2002 | Below Normal | June | -- | 193.7 | 191.0 | 2.8 | 1.4\% | 19.7 | 3.0 | 1.6\% | 190.5 | 3.3 | 1.7\% | 190.2 | 3.6 | 1.8\% | 189.9 | 3.8 | 2.0\% | 189.6 | 4.1 | 2.1\% |
| ME1 | 476029 | 2002 | Below Normal | July | - | 57.1 | 55.1 | 2.0 | 3.5\% | 54.9 | 2.2 | 3.8\% | 54.7 | 2.4 | 4.2\% | 54.5 | 2.6 | 4.5\% | 54.3 | 2.8 | 4.9\% | 54.1 | 3.0 | 5.2\% |
| ME1 | 476029 | 2002 | Below Normal | August | -- | 51.3 | 49.4 | 1.9 | 3.7\% | 49.2 | 2.1 | 4.1\% | 49.0 | 2.3 | 4.5\% | 48.8 | 2.5 | 4.8\% | 48.6 | 2.7 | 5.2\% | 48.4 | 2.9 | 5.6\% |
| ME1 | 476029 | 2002 | Below Normal | September | Used in Summary Table Analysis | 47.4 | 45.7 | 1.7 | 3.6\% | 45.5 | 1.9 | 3.9\% | 45.4 | 2.0 | 4.3\% | 45.2 | 2.2 | 4.7\% | 45.0 | 2.4 | 5.0\% | 44.8 | 2.6 | 5.4\% |
| ME1 | 476029 | 2003 | Wet | October | Used in Summary Table Analysis | 35.8 | 34.1 | 1.7 | 4.9\% | 33.9 | 1.9 | 5.4\% | 33.7 | 2.1 | 5.9\% | 33.6 | 2.3 | 6.3\% | 33.4 | 2.5 | 6.8\% | 33.2 | 2.6 | 7.3\% |
| ME1 | 476029 | 2003 | Wet | November | Used in Summary Table Analysis | ${ }^{621.8}$ | ${ }^{620.4}$ | 1.4 | 0.2\% | ${ }^{620.3}$ | 1.6 | 0.2\% | ${ }^{620.1}$ | 1.7 | 0.3\% | ${ }^{620.0}$ | 1.8 | 0.3\% | ${ }^{619.8}$ | 2.0 | 0.3\% | ${ }^{619.7}$ | 2.1 | 0.3\% |
| ME1 | 476029 | 2003 | Wet | December - |  | 29,858.8 | 29,858.8 | 0.0 | 0.0\% | 29,857.6 | 1.2 | 0.0\% | 29,857.6 | 1.2 | 0.0\% | 29,857.6 | 1.2 | 0.0\% | 29,857.6 | 1.2 | 0.0\% | 29,857.6 | 1.2 | 0.0\% |
| ME1 | 476029 | 2003 | Wet | January | -- | 7,628.6 | 7,627.5 | 1.0 | 0.0\% | 7,627.4 | 1.2 | 0.0\% | 7,627.4 | 1.2 | 0.0\% | 7,627.3 | 1.3 | 0.0\% | 7,627.2 | 1.4 | 0.0\% | 7,627.1 | 1.5 | 0.0\% |
| ME1 | 476029 | 2003 | Wet | February - |  | 5,550.8 | 5,550.0 | 0.8 | 0.0\% | 5,550.0 | 0.8 | 0.0\% | 5,549.9 | 0.9 | 0.0\% | 5,549.8 | 1.0 | 0.0\% | 5,549.7 | 1.2 | 0.0\% | 5,549.7 | 1.2 | 0.0\% |
| me 1 | 476029 | 2003 | Wet | March | -- | 11,102.9 | 11,102.2 | 0.7 | 0.0\% | 11,102.1 | 0.8 | 0.0\% | 11,102.1 | 0.8 | 0.0\% | 11,102.0 | 0.9 | 0.0\% | 11,101.9 | 1.0 | 0.0\% | 11,101.9 | 1.0 | 0.0\% |
| ME1 | 476029 | 2003 | Wet | April | - | 21,848.4 | 21,847.2 | 1.2 | 0.0\% | 21,847.2 | 1.2 | 0.0\% | 21,847.2 | 1.2 | 0.0\% | 21,847.2 | 1.2 | 0.0\% | 21,847.2 | 1.2 | 0.0\% | 21,847.2 | 1.2 | 0.0\% |
| ME1 | 476029 | 2003 | Wet | May | - | 2,091.3 | 2,088.4 | 2.9 | 0.1\% | 2,088.1 | 3.2 | 0.2\% | 2,087.8 | 3.5 | 0.2\% | 2,087.5 | 3.8 | 0.2\% | 2,087.3 | 4.1 | 0.2\% | 2,087.0 | 4.3 | 0.2\% |
| ME1 | 476029 | 2003 | Wet | June | - | 78.6 634 | 76.7 615 | 1.9 | ${ }^{2.4 \%}$ | 76.6 613 | 2.0 | $2.6 \%$ $3.3 \%$ | 76.4 | 2.2 | 2.8\% | 76.3 | 2.3 25 | $3.0 \%$ <br> $4.0 \%$ | 76.1 607 | 2.5 | 3.2\% | 75.9 60.5 | 2.7 | ${ }^{3.4 \%}$ |
| ME1 | 476029 | 2003 | Wet | July | - | 63.4 | 61.5 | 1.9 | 3.1\% | 61.3 | 2.1 | 3.3\% | 61.1 | 2.3 | 3.7\% | 60.9 | 2.5 | 4.0\% | 60.7 | 2.7 | 4.3\% | 60.5 | 2.9 | 4.6\% |
| me 1 | 476029 | 2003 | Wet | August | -- | 65.1 | 63.0 | 2.1 | 3.2\% | 62.8 | 2.3 | 3.5\% | 62.6 | 2.5 | 3.8\% | 62.4 | 2.8 | 4.2\% | 62.1 | 3.0 | 4.6\% | 61.9 | 3.2 | 4.9\% |
| ME1 | 476029 | 2003 | Wet | September | Used in Summary Table Analysis | 49.9 | 48.4 | 1.5 | 3.1\% | 48.2 | 1.7 | 3.4\% | 48.1 | 1.8 | 3.7\% | 47.9 | 2.0 | 4.0\% | 47.8 | 2.1 | 4.3\% | 47.6 | 2.3 | 4.6\% |
| ME1 | 476029 | 2004 | Wet | October | Used in Summary Table Analysis | 37.3 | 35.7 | 1.5 | 4.1\% | 35.6 | 1.7 | 4.5\% | 35.4 | 1.8 | 4.9\% | 35.3 | 2.0 | 5.3\% | 35.1 | 2.1 | 5.7\% | 35.0 | 2.3 | 6.2\% |
| ME1 | 476029 | 2004 | Wet | November | Used in Summary Table Analysis | 4,134.3 | 4,133.0 | 1.3 | 0.0\% | 4,132.9 | 1.4 | 0.0\% | 4,132.8 | 1.5 | 0.0\% | 4,133.6 | 1.6 | 0.0\% | $4,132.5$ 180972 | 1.7 | 0.0\% | 4,132.4 | 1.9 | ${ }^{0.0 \%}$ |
| ME1 | 47629 | 2004 | Wet Wet | December January |  | $18,099.5$ $10,245.6$ 1 | $18,098.4$ <br> 10,244 <br> 1 | $\begin{aligned} & 1.2 \\ & 0.9 \end{aligned}$ | $0.0 \%$ $0.0 \%$ 0 | $18,098.4$ $10,244.7$ | 1.2 0.9 | $0.0 \%$ $0.0 \%$ 0 | $18,097.2$ $10,244.6$ | 2.3 1.0 | - | $18,097.2$ $10,244.4$ | 2.3 1.2 | - | $18,097.2$ $10,244.4$ 17 | 2.3 1.2 | - | $18,097.2$ $10,244.3$ | 2.3 1.3 | 0.0\% |
| ME1 | 476029 | 2004 | Wet | February - | -- | 17,510.4 | 17,509.3 | 1.2 | 0.0\% | 17,509.3 | 1.2 | 0.0\% | 17,509.3 | 1.2 | 0.0\% | 17,509.3 | 1.2 | 0.0\% | 17,509.3 | 1.2 | 0.0\% | 17,509.3 | 1.2 | 0.0\% |
| ME1 | 476029 | 2004 | Wet | March | -- | 4,166.0 | 4,165.4 | 0.6 | 0.0\% | 4,165.4 | 0.6 | 0.0\% | 4,165.3 | 0.7 | 0.0\% | 4,165.2 | 0.8 | 0.0\% | 4,165.2 | 0.8 | 0.0\% | 4,165.0 | 0.9 | 0.0\% |
| ME1 | 476029 | 2004 | Wet | April | - | 3,550.9 | 3,550.5 | 0.5 | 0.0\% | 3,550.3 | 0.6 | 0.0\% | 3,550.3 | 0.6 | 0.0\% | 3,550.3 | 0.6 | 0.0\% | 3,550.2 | 0.7 | 0.0\% | 3,550.2 | 0.7 | 0.0\% |
| ME1 | 476029 | 2004 | Wet | May | - | 1,062.3 | 1,059.5 | 2.7 | 0.3\% | 1,059.3 | 3.0 | 0.3\% | 1,059.0 | 3.3 | 0.3\% | 1,058.7 | 3.5 | 0.3\% | 1,058.4 | 3.8 | 0.4\% | 1,058.2 | 4.1 | 0.4\% |
| ME1 | 476029 | 2004 | Wet | June | -- | 68.8 | 67.3 | 1.5 | 2.2\% | 67.1 | 1.7 | 2.4\% | 67.0 | 1.8 | 2.6\% | 66.8 | 1.9 | 2.8\% | 66.7 | 2.1 | 3.0\% | 66.5 | 2.2 | 3.2\% |
| ME1 | 476029 | 2004 | Wet | July | -- | 56.5 | 54.6 | 1.9 | 3.3\% | 54.4 | 2.1 | 3.7\% | 54.2 | 2.3 | 4.0\% | 54.0 | 2.4 | 4.3\% | 53.9 | 2.6 | 4.7\% | 53.7 | 2.8 | 5.0\% |
| ME1 | 476029 | 2004 | Wet | August |  | 50.1 | 48.3 | 1.8 | 3.5\% | 48.2 | 1.9 | 3.9\% | 48.0 | 2.1 | 4.2\% | 47.8 | 2.3 | 4.6\% | 47.6 | 2.5 | 4.9\% | 47.4 | 2.6 | 5.3\% |
| ME1 | 476029 | 2004 | Wet | September | Used in Summary Table Analysis | 44.1 | 41.9 | 2.2 | 5.0\% | 41.6 | 2.4 | 5.5\% | 41.4 | 2.6 | 6.0\% | 41.2 | 2.9 | 6.5\% | 41.0 | 3.1 | 7.0\% | 40.8 | 3.3 | 7.5\% |
| ME1 | 476029 | 2005 | Above Normal | October | Used in Summary Table Analysis | 5,820.1 | 5,818.5 | 1.6 | 0.0\% | 5,818.4 | 1.7 | 0.0\% | 5,818.2 | 2.0 | 0.0\% | 5,818.1 | 2.1 | 0.0\% | 5,817.8 | 2.3 | 0.0\% | 5,817.7 |  | 0.0\% |
| ME1 | 476029 | 2005 | Above Normal | November | Used in Summary Table Analysis | 964.0 | 962.8 | 1.2 | 0.1\% | 962.7 | 1.4 | 0.1\% | 962.5 | 1.5 | 0.2\% | 962.4 | 1.6 | 0.2\% | 962.3 | 1.7 | 0.2\% | 962.2 | 1.9 | 0.2\% |
| ME1 | 476029 | 2005 | Above Normal | December - | -- | 11,873.8 | $11,872.7$ | 1.2 | 0.0\% | 11.872 .7 | 1.2 | 0.0\% | 11,872.7 | 1.2 | 0.0\% | ${ }^{11,872.7}$ | 1.2 | 0.0\% | $11,872.7$ 88988 | 1.2 | ${ }^{0.0 \%}$ | $11,871.5$ 88987 | 2.3 | 0.0\% |
| ME1 | 476029 | 2005 | Above Normal | January | - | $8,400.0$ | 8,399.2 | 0.8 | 0.0\% | 8,399.1 | 0.9 | 0.0\% | 8,399.0 | 1.0 | 0.0\% | 8,399.0 | 1.0 | 0.0\% | 8,398.8 | 1.2 | 0.0\% | 8,398.7 | 1.3 | - |
| ME 1 ME 1 | 476029 | 2005 | Above Normal Above Normal | February | - | 4,646.4 | 4,645.7 | 0.7 | 0.0\% $0.0 \%$ 0 | 4,645.6 | 0.8 0.0 | 0.0\% $0.0 \%$ 0 | $4,645.6$ 1426,5 | 0.8 0.0 | 年0.0\% | ${ }^{4,645.5}$ | 0.9 0.0 | $0.0 \%$ $0.0 \%$ 0 | $4,645.5$ 142650 | 0.9 1.2 | - | $4,645.4$ 14.265 .0 | 1.0 1.2 | - |
| me 1 | 476029 | 2005 | Above Normal | March | - | - ${ }_{\text {9,223.8 }}$ | 9, ${ }_{\text {9,223.3 }}$ | 0.6 | 0.0\% | ${ }_{9}^{4,223.3}$ | ${ }_{0}^{0.6}$ | 0.0\% | +9,223.1 | 0.7 | 0.0\% | ${ }_{9}^{14,223.1}$ | 0.7 | 0.0\% |  | 1.2 0.8 | 0.0\% | 14,223.0 | 1.2 0.8 | 0.0\% |
| ME1 | 476029 | 2005 | Above Normal | May | - | 8,524.3 | 8,521.4 | 2.9 | 0.0\% | 8,521.1 | 3.2 | 0.0\% | 8,520.8 | 3.5 | 0.0\% | 8,520.5 | 3.8 | 0.0\% | 8,520.3 | 4.1 | 0.0\% | 8,519.9 | 4.4 | 0.1\% |
| ME1 | 476029 | 2005 | Above Normal | June | - | 6,381.4 | 6,377.7 | 3.7 | 0.1\% | 6,377.3 | 4.1 | 0.1\% | 6,377.0 | 4.4 | 0.1\% | 6,376.6 | 4.7 | 0.1\% | 6,376.3 | 5.1 | 0.1\% | 6,375.9 | 5.4 | 0.1\% |
| ME1 | 476029 | 2005 | Above Normal | July | - | 90.6 | 88.3 | 2.3 | 2.5\% | 88.1 | 2.5 | 2.8\% | 87.9 | 2.7 | 3.0\% | 87.6 | 3.0 | 3.3\% | 87.4 | 3.2 | 3.5\% | 87.2 | 3.4 | 3.8\% |
| ME1 | 476029 | 2005 | Above Normal | August | -- | ${ }_{65.5}$ | ${ }^{63.8}$ | 1.8 | 2.7\% | ${ }_{6}^{63.6}$ | 1.9 | 2.9\% | ${ }^{63.4}$ | 2.1 | 3.2\% | ${ }_{5}^{63.3}$ | 2.3 | 3.5\% | ${ }^{63.1}$ | 2.4 | 3.7\% | ${ }_{5}^{62.9}$ | 2.6 | 4.0\% |
| ME1 | 476029 | 2005 | Above Normal | September | Used in Summary Table Analysis | 55.9 | 54.4 | 1.5 | 2.7\% | 54.3 | 1.7 | 3.0\% | 54.1 | 1.8 | 3.2\% | 54.0 | 1.9 | 3.5\% | 53.8 | 2.1 | 3.8\% | 53.6 | 2.3 | 4.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \& \& \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Water Year Water Year Ty}} \& \multirow[b]{2}{*}{Month} \& \& \multirow[b]{2}{*}{Flow
without Pumping (cfs)} \& \multicolumn{3}{|c|}{Existing Conditions} \& \multicolumn{3}{|c|}{ing} \& \multicolumn{3}{|c|}{20\% Pumping Increase} \& \multicolumn{3}{|c|}{30\% Pumping Increase} \& \multicolumn{3}{|c|}{40\% Pumping Increase} \& \multicolumn{3}{|c|}{50\% Pumping Increase} \\
\hline Surface Water Depletion Area Area of Interes \& \begin{tabular}{l}
(Row, Column, \\
Surface Water Reach)
\end{tabular} \& \& \& \& Note \& \& Flow (ffs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (ffs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cffs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (ffs) } \\
\hline
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) } \\
\hline
\end{gathered}
\] \& Percent
Difference \\
\hline ME1 \& 47629 \& 2011 \& Wet \& February \& -- \& 10,707.8 \& 10,706.9 \& 0.8 \& 0.0\% \& 10,706.9 \& 0.8 \& 0.0\% \& 10,706.8 \& 0.9 \& 0.0\% \& 10,706.7 \& 1.0 \& 0.0\% \& 10,706.7 \& 1.0 \& 0.0\% \& 10,706.6 \& 1.2 \& 0.0\% \\
\hline ME1 \& 476029 \& 2011 \& Wet \& March \& - \& 28,659.7 \& 28,659.7 \& 0.0 \& 0.0\% \& 28,659.7 \& 0.0 \& 0.0\% \& 28,659.7 \& 0.0 \& 0.0\% \& 28,659.7 \& 0.0 \& 0.0\% \& 28,659.7 \& 0.0 \& 0.0\% \& 28,658.6 \& 1.2 \& 0.0\% \\
\hline ME1 \& 476029 \& 2011 \& Wet \& April \& - \& 11,067.4 \& 11,066.8 \& 0.6 \& 0.0\% \& 11,066.8 \& 0.6 \& 0.0\% \& 11,066.7 \& 0.7 \& 0.0\% \& 11,066.7 \& 0.7 \& 0.0\% \& 11,066.6 \& 0.8 \& 0.0\% \& 11,066.6 \& 0.8 \& 0.0\% \\
\hline ME1 \& 476029 \& 2011 \& Wet \& May \& - \& 4,810.9 \& 4,808.2 \& 2.7 \& 0.1\% \& 4,807.9 \& 3.0 \& 0.1\% \& 4,807.6 \& 3.2 \& 0.1\% \& 4,807.4 \& 3.5 \& 0.1\% \& 4,807.1 \& 3.8 \& 0.1\% \& 4,806.8 \& 4.1 \& 0.1\% \\
\hline ME1 \& 47629 \& 2011 \& Wet \& June \& - \& 3,138.3 \& 3,134.6 \& 3.7 \& 0.1\% \& 3,134.3 \& 4.1 \& 0.1\% \& 3,133.9 \& 4.4 \& 0.1\% \& 3,133.6 \& 4.7 \& 0.2\% \& 3,133.2 \& 5.1 \& 0.2\% \& 3,132.9 \& 5.4 \& 0.2\% \\
\hline ME1 \& 47629 \& 2011 \& Wet \& July \& - \& 214.8 \& 211.6 \& 3.2 \& 1.5\% \& 211.3 \& 3.5 \& 1.6\% \& 211.0 \& 3.8 \& 1.8\% \& 210.7 \& 4.1 \& 1.9\% \& 210.3 \& 4.4 \& 2.1\% \& 210.0 \& 4.7 \& 2.2\% \\
\hline ME1 \& 476029 \& 2011 \& Wet \& August \& -- \& 65.8 \& 64.1 \& 1.7 \& 2.7\% \& 63.9 \& 1.9 \& 2.9\% \& 63.7 \& 2.1 \& 3.2\% \& 63.5 \& 2.3 \& 3.4\% \& 63.4 \& 2.4 \& 3.7\% \& 63.2 \& 2.6 \& 4.0\% \\
\hline ME1 \& 47629 \& 2011 \& Wet \& September \& Used in Summary Table Analysis \& 55.7 \& 54.2 \& 1.5 \& 2.7\% \& 54.1 \& 1.7 \& 3.0\% \& 53.9 \& 1.8 \& 3.3\% \& 53.8 \& 2.0 \& 3.5\% \& 53.6 \& 2.1 \& 3.8\% \& 53.5 \& 2.3 \& 4.1\% \\
\hline ME1 \& 476029 \& 2012 \& Below Normal \& October \& Used in Summary Table Analysis \& 3,528.2 \& 3,526.7 \& 1.5 \& 0.0\% \& 3,526.6 \& 1.6 \& 0.0\% \& 3,526.5 \& 1.7 \& 0.0\% \& 3,526.3 \& 2.0 \& 0.1\% \& 3,526.2 \& 2.1 \& 0.1\% \& 3,526.0 \& 2.2 \& 0.1\% \\
\hline ME1 \& 476029 \& 2012 \& Below Normal \& November \& Used in Summary Table Analysis \& 4,817.9 \& 4,816.8 \& 1.2 \& 0.0\% \& 4,816.7 \& 1.3 \& 0.0\% \& 4,816.6 \& 1.4 \& 0.0\% \& 4,816.4 \& 1.5 \& 0.0\% \& 4,816.3 \& 1.6 \& 0.0\% \& 4,816.1 \& 1.9 \& 0.0\% \\
\hline ME1 \& 47629 \& 2012 \& Below Normal \& December \& \& 1,959.7 \& 1,958.8 \& 0.9 \& 0.0\% \& 1,958.7 \& 1.0 \& 0.1\% \& 1,958.6 \& 1.2 \& 0.1\% \& 1,958.6 \& 1.2 \& 0.1\% \& 1,958.4 \& 1.3 \& 0.1\% \& 1,958.3 \& 1.4 \& 0.1\% \\
\hline ME1 \& 47629 \& 2012 \& Below Normal \& January \& -- \& 11,440.7 \& 11,439.8 \& 0.9 \& 0.0\% \& 11,439.8 \& 0.9 \& 0.0\% \& 11,439.7 \& 1.0 \& 0.0\% \& 11,439.6 \& 1.2 \& 0.0\% \& 11,439.6 \& 1.2 \& 0.0\% \& 11,439.5 \& 1.3 \& 0.0\% \\
\hline ME1 \& 47629 \& 2012 \& Below Normal \& February \& -- \& 6,660.1 \& 6,659.5 \& 0.6 \& 0.0\% \& 6,659.4 \& 0.7 \& 0.0\% \& 6,659.3 \& 0.8 \& 0.0\% \& 6,659.3 \& 0.8 \& 0.0\% \& 6,659.1 \& 0.9 \& 0.0\% \& 6,659.1 \& 0.9 \& 0.0\% \\
\hline ME1 \& 476029 \& 2012 \& Below Normal \& March \& -- \& 25,199.3 \& 25,149.3 \& 0.0 \& 0.0\% \& 25,149.3 \& 0.0 \& 0.0\% \& 25,149.3 \& 0.0 \& 0.0\% \& 25,149.3 \& 0.0 \& 0.0\% \& 25,199.3 \& 0.0 \& 0.0\% \& 25,148.1 \& 1.2 \& 0.0\% \\
\hline ME1 \& 47629 \& 2012 \& Below Normal \& April \& - \& 12,517.4 \& 12,516.2 \& 1.2 \& 0.0\% \& 12,516.2 \& 1.2 \& 0.0\% \& 12,516.2 \& 1.2 \& 0.0\% \& 12,516.2 \& 1.2 \& 0.0\% \& 12,516.2 \& 1.2 \& 0.0\% \& 12,516.2 \& 1.2 \& 0.0\% \\
\hline ME1 \& 47629 \& 2012 \& Below Normal \& May \& - \& 2,049.2 \& 2,046.3 \& 2.9 \& 0.1\% \& 2,046.1 \& 3.1 \& 0.2\% \& 2,045.7 \& 3.5 \& 0.2\% \& 2,045.5 \& 3.7 \& 0.2\% \& 2,045.3 \& 3.9 \& 0.2\% \& 2,045.0 \& 4.2 \& 0.2\% \\
\hline ME1 \& 47629 \& 2012 \& Below Normal \& June \& - \& 3,039.6 \& 3,036.0 \& 3.6 \& 0.1\% \& 3,035.5 \& 4.1 \& 0.1\% \& 3,035.2 \& 4.4 \& 0.1\% \& 3,034.8 \& 4.7 \& 0.2\% \& 3,034.5 \& 5.1 \& 0.2\% \& 3,034.1 \& 5.4 \& 0.2\% \\
\hline ME1 \& 47629 \& 2012 \& Below Normal \& July \& - \& 1,082.5 \& 1,079.3 \& 3.2 \& 0.3\% \& 1,079.0 \& 3.5 \& 0.3\% \& 1,078.7 \& 3.9 \& 0.4\% \& 1,078.3 \& 4.2 \& 0.4\% \& 1,078.0 \& 4.5 \& 0.4\% \& 1,077.7 \& 4.8 \& 0.4\% \\
\hline me1 \& 476029 \& 2012 \& Below Normal \& August \& -- \& 72.2 \& 70.4 \& 1.8 \& 2.5\% \& 70.2 \& 1.9 \& 2.7\% \& 70.1 \& 2.1 \& 2.9\% \& 69.9 \& 2.3 \& 3.1\% \& 69.8 \& 2.4 \& 3.4\% \& 69.6 \& 2.6 \& 3.6\% \\
\hline ME1 \& 47629 \& 2012 \& Below Normal \& September \& Used in Summary Table Analysis \& 59.4 \& 57.9 \& 1.5 \& 2.6\% \& 57.7 \& 1.7 \& 2.9\% \& 57.5 \& 1.9 \& 3.1\% \& 57.4 \& 2.0 \& 3.4\% \& 57.2 \& 2.2 \& 3.7\% \& 57.1 \& 2.3 \& 3.9\% \\
\hline ME1 \& 47629 \& 2013 \& Below Normal \& October \& Used in Summary Table Analysis \& 1,483.2 \& 1,481.6 \& 1.6 \& 0.1\% \& 1,481.4 \& 1.9 \& 0.1\% \& 1,481.3 \& 2.0 \& 0.1\% \& 1,481.0 \& 2.2 \& 0.1\% \& 1,480.9 \& 2.3 \& 0.2\% \& 1,880.8 \& 2.4 \& 0.2\% \\
\hline ME1 \& 47629 \& 2013 \& Below Normal \& November \& Used in Summary Table Analysis \& 9,489.9 \& 9,488.8 \& 1.2 \& 0.0\% \& 9,488.5 \& 1.4 \& 0.0\% \& 9,488.4 \& 1.5 \& 0.0\% \& 9,488.3 \& 1.6 \& 0.0\% \& 9,488.2 \& 1.7 \& 0.0\% \& 9,488.1 \& 1.9 \& 0.0\% \\
\hline ME1 \& 47629 \& 2013 \& Below Normal \& December \& -- \& 32,099.5 \& 32,097.2 \& 2.3 \& 0.0\% \& 32,097.2 \& 2.3 \& 0.0\% \& 32,097.2 \& 2.3 \& 0.0\% \& 32,097.2 \& 2.3 \& 0.0\% \& 32,097.2 \& 2.3 \& 0.0\% \& 32,097.2 \& 2.3 \& 0.0\% \\
\hline me1 \& 476029 \& 2013 \& Below Normal \& January \& -- \& 4,825.1 \& 4,824.3 \& 0.8 \& 0.0\% \& 4,824.2 \& 0.9 \& 0.0\% \& 4,824.1 \& 1.0 \& 0.0\% \& 4,824.0 \& 1.2 \& 0.0\% \& 4,824.0 \& 1.2 \& 0.0\% \& 4,824.0 \& 1.2 \& 0.0\% \\
\hline ME1 \& 47629 \& 2013 \& Below Normal \& February \& -- \& 3,069.7 \& 3,069.0 \& 0.7 \& 0.0\% \& 3,068.9 \& 0.8 \& 0.0\% \& 3,068.9 \& 0.8 \& 0.0\% \& 3,068.8 \& 0.9 \& 0.0\% \& 3,068.6 \& 1.0 \& 0.0\% \& 3,068.6 \& 1.0 \& 0.0\% \\
\hline ME1 \& 476029 \& 2013 \& Below Normal \& March \& -- \& 5,639.9 \& 5,639.4 \& 0.6 \& 0.0\% \& 5,639.2 \& 0.7 \& 0.0\% \& 5,639.2 \& 0.7 \& 0.0\% \& 5,639.1 \& 0.8 \& 0.0\% \& 5,639.1 \& 0.8 \& 0.0\% \& 5,639.0 \& 0.9 \& 0.0\% \\
\hline ME1 \& 47629 \& 2013 \& Below Normal \& April \& - \& 4,397.9 \& 4,395.3 \& 2.7 \& 0.1\% \& 4,394.9 \& 3.0 \& 0.1\% \& 4,394.7 \& 3.2 \& 0.1\% \& 4,394.4 \& 3.5 \& 0.1\% \& 4,394.1 \& 3.8 \& 0.1\% \& 4,393.9 \& 4.1 \& 0.1\% \\
\hline ME1 \& 47629 \& 2013 \& Below Normal \& May \& - \& 2,272.6 \& 2,270.4 \& 2.2 \& 0.1\% \& 2,270.1 \& 2.4 \& 0.1\% \& 2,269.9 \& 2.7 \& 0.1\% \& 2,269.7 \& 2.9 \& 0.1\% \& 2,269.4 \& 3.1 \& 0.1\% \& 2,269.2 \& 3.4 \& 0.1\% \\
\hline ME1 \& 47629 \& 2013 \& Below Normal \& June \& - \& 1,010.6 \& 1,007.4 \& 3.2 \& 0.3\% \& 1,007.1 \& 3.5 \& 0.3\% \& 1,006.8 \& 3.9 \& 0.4\% \& 1,006.4 \& 4.2 \& 0.4\% \& 1,006.1 \& 4.5 \& 0.4\% \& 1,005.8 \& 4.8 \& 0.5\% \\
\hline me 1 \& 47629 \& 2013 \& Below Normal \& July \& - \& 68.2 \& 66.3 \& 1.9 \& 2.8\% \& 66.1 \& 2.1 \& 3.1\% \& 65.9 \& 2.3 \& 3.4\% \& 65.7 \& 2.5 \& 3.7\% \& 65.5 \& 2.7 \& 3.9\% \& 65.3 \& 2.9 \& 4.2\% \\
\hline ME1 \& 476029 \& 2013 \& Below Normal \& August \& -- \& 55.8 \& 53.9 \& 1.8 \& 3.3\% \& 53.7 \& 2.0 \& 3.6\% \& 53.6 \& 2.2 \& 4.0\% \& 53.4 \& 2.4 \& 4.3\% \& 53.2 \& 2.6 \& 4.6\% \& 53.0 \& 2.8 \& 4.9\% \\
\hline me 1 \& 476029 \& 2013 \& Below Normal \& September \& Used in Summary Table Analysis \& 3,832.8 \& 3,830.2 \& 2.5 \& 0.1\% \& 3,830.0 \& 2.8 \& 0.1\% \& 3,829.7 \& 3.0 \& 0.1\% \& 3,829.4 \& 3.4 \& 0.1\% \& 3,829.2 \& 3.6 \& 0.1\% \& 3,828.9 \& 3.8 \& 0.1\% \\
\hline ME1 \& 47629 \& 2014 \& Critical \& October \& Used in Summary Table Analysis \& 88.4 \& 86.7 \& 1.7 \& 1.9\% \& 86.5 \& 1.8 \& 2.1\% \& 86.4 \& 2.0 \& 2.2\% \& 86.2 \& 2.1 \& 2.4\% \& 86.1 \& 2.3 \& 2.6\% \& 85.9 \& 2.4 \& 2.8\% \\
\hline ME1 \& 47629 \& 2014 \& Critical \& November \& Used in Summary Table Analysis \& 1,147.7 \& 1,146.4 \& 1.3 \& 0.1\% \& 1,146.3 \& 1.4 \& 0.1\% \& 1,146.2 \& 1.5 \& 0.1\% \& 1,146.0 \& 1.7 \& 0.1\% \& 1,145.9 \& 1.8 \& 0.2\% \& 1,145.8 \& 1.9 \& 0.2\% \\
\hline ME1 \& 476029
476029 \& 2014 \& \({ }^{\text {critical }}\) \& December \& -- \& 916.9 \& 915.9 \& 1.0 \& \({ }^{0.1 \%}\) \& 915.8 \& 1.1 \& \({ }^{0.1 \%}\) \& 915.7 \& 1.2 \& \({ }^{0.1 \%}\) \& \({ }^{915.6}\) \& 1.3 \& \({ }^{0.1 \%}\) \& 915.5 \& 1.4 \& \({ }^{0.2 \%}\) \& 915.4 \& 1.5 \& \({ }^{0.2 \%}\) \\
\hline ME1 \& 47629 \& 2014 \& Critical \& January \& -- \& 1,815.4 \& 1,814.5 \& 0.9 \& 0.1\% \& 1,814.5 \& 0.9 \& 0.1\% \& 1,814.4 \& 1.0 \& 0.1\% \& 1,814.2 \& 1.2 \& 0.1\% \& 1,814.1 \& 1.3 \& 0.1\% \& 1,814.1 \& 1.3 \& 0.1\% \\
\hline ME1 \& 476029
476029 \& 2014
2014 \& Critical
Critical \& February
Marc \& -- \& \begin{tabular}{l} 
9,880.3 \\
14849.5 \\
\hline 1
\end{tabular} \& \begin{tabular}{l}
\(9,879.5\) \\
14888.4 \\
\hline 1827
\end{tabular} \& 0.8
1.2 \& 0.0\% \& \begin{tabular}{l} 
9,879.5 \\
148888.4 \\
\hline 1
\end{tabular} \& 0.8
12 \& 0.0\% \&  \& 0.9 \& 0.0\% \& \begin{tabular}{l}
\(9,879.3\) \\
148484 \\
\hline
\end{tabular} \& 1.0 \& 0.0\% \& 9, \begin{tabular}{l}
9879.3 \\
148884 \\
\hline
\end{tabular} \& 1.0 \& 0.0\% \& 9,879.2

1488484 \& 1.2 \& 0.0\% <br>
\hline ME1 \& 476029
476029 \& 2014
2014 \& Critical
Critical \& $\underset{\substack{\text { March } \\ \text { April }}}{\text { a }}$ \& $\cdots$ \& $14,849.5$
$3,630.9$ \& $14,848.4$
$3,627.9$ \& 1.2
3.0 \& 0.0\% \& $14,848.4$
$3,627.5$ \& 1.2
3.4 \& - $0.0 \%$ \& $14,848.4$
$3,627.2$ \& 1.2
3.7 \& 0.0\% \& $14,848.4$
$3,626.9$ \& 1.2
4.1 \& 0.0\% \& $14,848.4$
$3,626.5$ \& 1.2
4.4 \& ${ }^{0.0 \%}$ \& $14,848.4$
$3,626.3$ \& 1.2
4.6 \& 0.0\% <br>
\hline ME1 \& 47629 \& 2014 \& Critical \& may \& -- \& 1,853.6 \& 1,850.9 \& 2.7 \& 0.1\% \& 1,850.6 \& 3.0 \& 0.2\% \& 1,850.3 \& 3.2 \& 0.2\% \& 1,850.1 \& 3.5 \& 0.2\% \& 1,849.8 \& 3.8 \& 0.2\% \& 1,849.5 \& 4.1 \& 0.2\% <br>
\hline ME1 \& 47629 \& 2014 \& Critical \& June \& - \& 121.0 \& 117.1 \& 3.9 \& 3.2\% \& 116.7 \& 4.2 \& 3.5\% \& 116.3 \& 4.6 \& 3.8\% \& 115.9 \& 5.0 \& 4.2\% \& 115.6 \& 5.4 \& 4.5\% \& 115.2 \& 5.8 \& 4.8\% <br>
\hline me 1 \& 47629 \& 2014 \& Critical \& July \& - \& 57.5 \& 55.2 \& 2.3 \& 4.0\% \& 55.0 \& 2.5 \& 4.4\% \& 54.8 \& 2.8 \& 4.8\% \& 54.5 \& 3.0 \& 5.2\% \& 54.3 \& 3.2 \& 5.6\% \& 54.1 \& 3.4 \& 6.0\% <br>
\hline ME1 \& 476029 \& 2014 \& Critical \& August \& 家 \& 50.5 \& 48.3 \& 2.3 \& 4.5\% \& 48.1 \& 2.5 \& 4.9\% \& 47.8 \& 2.7 \& 5.4\% \& ${ }^{47.6}$ \& 2.9 \& 5.8\% \& 47.4 \& 3.2 \& 6.3\% \& 47.1 \& 3.4 \& 6.7\% <br>
\hline ME1 \& 47629 \& 2014 \& Critical \& September \& Used in Summary Table Analysis \& 2,011.6 \& 2,098.6 \& 3.0 \& 0.1\% \& 2,098.3 \& 3.4 \& 0.2\% \& 2,097.9 \& 3.7 \& 0.2\% \& 2,097.6 \& 4.1 \& 0.2\% \& 2,097.3 \& 4.3 \& 0.2\% \& 2,997.0 \& 4.6 \& 0.2\% <br>
\hline ME1 \& 47629 \& 2015 \& Dry \& October \& Used in Summary Table Analysis \& 8,253.8 \& ${ }^{8,251.6}$ \& 2.2 \& 0.0\% \& 8,251.5 \& 2.3 \& 0.0\% \& 8,251.3 \& 2.5 \& 0.0\% \& 8,250.3 \& 3.5 \& ${ }^{0.0 \%}$ \& $8,250.2$
41620 \& ${ }^{3.6}$ \& 0.0\% \& $8,250.0$
41619 \& 3.8 \& 0.0\% <br>

\hline ME1 \& 47629 \& 2015 \& Dry \& November \& Used in Summary Table Analysis \& 4,164.4 \& 4,162.7 \& 1.6 \& 0.0\% \& 4,162.6 \& 1.7 \& 0.0\% \& 4,162.4 \& 2.0 \& 0.0\% \& | $4,162.3$ |
| :--- |
| 15273 | \& 2.1 \& 0.1\% \& 4,162.0 \& 2.3 \& 0.1\% \& 4,161.9

4,2799 \& 2.4 \& 0.1\% <br>
\hline ME1 \& 47629 \& 2015 \& Dry \& December \& -- \& 15,281.3 \& 15,280.1 \& 1.2 \& 0.0\% \& 15,278.9 \& 2.3 \& 0.0\% \& 15,278.9 \& 2.3 \& 0.0\% \& 15,278.9 \& 2.3 \& 0.0\% \& 15,278.9 \& 2.3 \& 0.0\% \& 15,278.9 \& 2.3 \& 0.0\% <br>
\hline ME1 \& 47629 \& 2015 \& Dry \& January \& - \& 2,401.7 \& 2,400.7 \& 1.0 \& 0.0\% \& 2,400.6 \& 1.2 \& 0.0\% \& 2,400.5
150787 \& 1.3 \& 0.1\% \& 2,400.3 \& 1.4 \& 0.1\% \&  \& 1.5 \& 0.1\% \&  \& 1.6 \& 0.1\% <br>
\hline ME1 \& 47629 \& 2015 \& Dry \& February \& -- \& 15,079.9 \& 15,079.9 \& 0.0 \& 0.0\% \& 15,079.9 \& 0.0 \& 0.0\% \& 15,078.7 \& 1.2 \& 0.0\% \& 15,078.7 \& 1.2 \& 0.0\% \& 15,078.7 \& 1.2 \& 0.0\% \& 15,078.7 \& 1.2 \& 0.0\% <br>
\hline ME1 \& 47629 \& 2015 \& Dry \& March \& -- \& 4,145.3 \& 4,144.6 \& 0.7 \& 0.0\% \& 4,144.4 \& 0.8 \& 0.0\% \& 4,144.3 \& 0.9 \& 0.0\% \& 4,144.3 \& 0.9 \& 0.0\% \& $4,144.2$
4929 \& 1.0
4.4 \& 0.0\% \& $4,144.1$
$4,492.2$ \& 1.2
4.7 \& 0.0\% <br>
\hline ME1 \& 47629 \& 2015 \& Dry \& April \& - \& 4,497.0 \& 4,493.9 \& 3.1 \& 0.1\% \& 4,493.5 \& 3.5 \& 0.1\% \& 4,493.2 \& 3.8 \& 0.1\% \& 4,492.8 \& 4.2 \& 0.1\% \& 4,492.6 \& 4.4 \& ${ }^{0.1 \%}$ \& 4,492.22 \& 4.7 \& ${ }^{0.1 \%}$ <br>
\hline ME1 \& 47629 \& 2015 \& Dry \& May \& - \& 141.4 \& 138.8 \& 2.7 \& 1.9\% \& 138.5 \& 2.9 \& 2.1\% \& 138.2 \& 3.2 \& 2.3\% \& 138.0 \& 3.4 \& 2.4\% \& 137.7 \& 3.7 \& 2.6\% \& 137.5 \& 4.0 \& 2.8\% <br>
\hline ME1 \& 47629 \& 2015 \& Dry \& June \& - \& 175.5 \& 172.1 \& 3.4 \& 2.0\% \& 171.7 \& 3.8 \& 2.2\% \& 171.4 \& 4.1 \& 2.4\% \& 171.0 \& 4.5 \& 2.6\% \& 170.7 \& 4.8 \& 2.7\% \& 170.4 \& 5.1 \& 2.9\% <br>
\hline ME1 \& 47629 \& 2015 \& Dry \& July \& - \& 53.6 \& 51.2 \& 2.4 \& 4.5\% \& 50.9 \& 2.6 \& 4.9\% \& 50.7 \& 2.9 \& 5.4\% \& 50.5 \& 3.1 \& 5.8\% \& 50.2 \& 3.3 \& 6.2\% \& 50.0 \& 3.6 \& 6.7\% <br>
\hline ME1 \& 47629 \& 2015 \& Dry \& August \& -- \& 48.2 \& 45.8 \& 2.3 \& 4.8\% \& 45.6 \& 2.5 \& 5.3\% \& 45.4 \& 2.8 \& 5.8\% \& 45.1 \& 3.0 \& 6.2\% \& 44.9 \& 3.2 \& 6.7\% \& 44.7 \& 3.5 \& 7.2\% <br>
\hline ME1 \& 476029 \& 2015 \& Dry \& September \& Used in Summary Table Analysis \& 46.7 \& 44.6 \& 2.1 \& 4.5\% \& 44.4 \& 2.3 \& 4.9\% \& 44.2 \& 2.5 \& 5.4\% \& 44.0 \& 2.7 \& 5.8\% \& 43.7 \& 2.9 \& 6.3\% \& 43.5 \& 3.1 \& 6.7\% <br>
\hline ME1 \& 47629 \& 2016 \& Above Normal \& October \& Used in Summary Table Analysis \& 38.5 \& 36.1 \& 2.4 \& 6.4\% \& 35.8 \& 2.7 \& 7.1\% \& 35.5 \& 3.0 \& 7.8\% \& 35.9 \& 2.7 \& 6.9\% \& 35.8 \& 2.7 \& 7.1\% \& 35.2 \& 3.3 \& 8.7\% <br>
\hline ME1 \& 47629 \& 2016 \& Above Normal \& November \& Used in Summary Table Analysis \& 2,988.9 \& 2,987.3 \& 1.6 \& 0.1\% \& 2,987.2 \& 1.7 \& 0.1\% \& 2,986.9 \& 2.0 \& 0.1\% \& 2,986.8 \& 2.1 \& 0.1\% \& 2,986.7 \& 2.2 \& 0.1\% \& 2,986.5 \& 2.4 \& 0.1\% <br>
\hline ME1 \& 47629 \& 2016 \& Above Normal \& December \& \& 19,850.7 \& 19,848.4 \& 2.3 \& 0.0\% \& 19,848.4 \& 2.3 \& 0.0\% \& 19,848.4 \& 2.3 \& 0.0\% \& 19,848.4 \& 2.3 \& 0.0\% \& 19,848.4 \& 2.3 \& 0.0\% \& 19,848.4 \& 2.3 \& 0.0\% <br>
\hline ME1 \& 476029 \& 2016 \& Above Normal \& January \& - \& 20,939.8 \& 20,938.7 \& 1.2 \& 0.0\% \& $20,938.7$
5
50567 \& 1.2 \& 0.0\% \& 20,937.5 \& 2.3 \& 0.0\% \& $20,937.5$
50565 \& 2.3 \& 0.0\% \&  \& 2.3 \& 0.0\% \& 20,937.5
5
505063 \& 2.3 \& 0.0\% <br>
\hline ME 1 \& 47629 \& 2016 \& Above Normal \& February \& -- \& 5,507.6 \& 5,506.7 \& 0.9 \& 0.0\% \& 5,506.7 \& 0.9 \& 0.0\% \& 5,506.6 \& 1.0 \& 0.0\% \& 5,506.5 \& 1.2 \& 0.0\% \& 5,506.4 \& 1.3 \& 0.0\% \& 5,506.3 \& 1.4 \& 0.0\% <br>

\hline ME 1 \& 476029 \& 2016 \& Above Normal \& March \& \& ${ }_{\text {20, }}^{20,275.5}$ \& | $20,274.3$ |
| :---: |
| 5 | \& 1.2 \& 0.0\% \& 20,274.3

5
58689 \& 1.2
0.7 \& 0.0\% \& $20,274.3$
5,6898 \& 1.2
0.8
1.2 \& -0.0\% \& 20, 2 274.3
5
16889 \& 1.2
0.9 \& -0.0\% \& $20,274.3$
5.6897

1,297 \& | 1.2 |
| :--- |
| 0.9 |
| 1.4 | \& -0.0\% \& $20,274.3$

$5,689.6$
1,278 \& 1.2
1.0
1 \& - <br>
\hline ME1 \& 476029 \& 2016 \& Above Normal \& May \& -- \& 5,6249.2 \& ${ }_{\text {1,248.3 }}$ \& 0.9 \& 0.1\% \& 1,248.1 \& 1.0 \& 0.1\% \& 5, $1,248.0$ \& 1.2 \& 0.1\% \& 5,247.9 \& 1.3 \& 0.1\% \& 5, $1,247.8$ \& 1.4 \& 0.1\% \& 1,247.8 \& 1.4 \& 0.1\% <br>
\hline
\end{tabular}

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Mor | Note | Flowwithout Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Increase |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Flow (cfs) |  |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | $\begin{gathered} \text { Percent } \\ \text { Difference } \end{gathered}$ |
| ME1 | 48592 | 2001 | Dry |  | October | Used in Summary Table Analysis | 947.8 | 945.9 | 1.9 | 0.2\% | 945 | 2.1 | 0.2\% | 945.5 | 2.3 | 0.2\% | 945.3 | 2.5 | 0.3\% | 5.1 | 2.7 | 0.3\% | 4.9 | 2.9 | 0.3\% |
| ME1 | 48592 | 2001 | Dry | November | Used in Summary Table Analysis | 2,655.2 | 2,653.8 | 1.4 | 0.1\% | 2,653.6 | 1.6 | 0.1\% | 2,653.5 | 1.7 | 0.1\% | 2,653.4 | 1.9 | 0.1\% | 2,653.1 | 2.1 | 0.1\% | 2,653.0 | 2.2 | 0.1\% |
| ME1 | 485942 | 2001 | Dry | December |  | 3,750.0 | 3,748.7 | 1.3 | 0.0\% | 3,748.6 | 1.4 | 0.0\% | 3,748.5 | 1.5 | 0.0\% | 3,748.4 | 1.6 | 0.0\% | 3,748.1 | 1.9 | 0.0\% | 3,748.0 | 2.0 | 0.1\% |
| ME1 | 485942 | 2001 | Dry | January | - | 5,975.1 | 5,973.8 | 1.3 | 0.0\% | 5,973.7 | 1.4 | 0.0\% | 5,973.6 | 1.5 | 0.0\% | 5,973.5 | 1.6 | 0.0\% | 5,973.4 | 1.7 | 0.0\% | 5,973.3 | 1.9 | 0.0\% |
| ME1 | 485942 | 2001 | Dry | February - | - | 8,662.7 | $8,661.6$ | 1.2 | 0.0\% | $8,661.5$ | 1.3 | 0.0\% | $8,661.3$ | 1.4 | 0.0\% | 8,661.2 | 1.5 | 0.0\% | 8,661.1 | 1.6 | 0.0\% | 8,661.0 | 1.7 | 0.0\% |
| ME1 | 48592 | 2001 | Dry | March |  | 7,035.8 | 7,034.6 | 1.2 | 0.0\% | 7,034.5 | 1.3 | 0.0\% | 7,034.4 | 1.4 | 0.0\% | 7,034.3 | 1.5 | 0.0\% | 7,034.1 | 1.6 | 0.0\% | 7,034.0 | 1.7 | 0.0\% |
| ME1 | 48592 | 2001 | Dry | April | - | 5,758.9 | 5,756.8 | 2.1 | 0.0\% | 5,756.6 | 2.3 | 0.0\% | 5,756.4 | 2.5 | 0.0\% | 5,756.1 | 2.8 | 0.0\% | 5,755.9 | 3.0 | 0.1\% | 5,755.7 | 3.2 | 0.1\% |
| ME1 | 485942 | 2001 | Dry | May | - | 2,029.2 | 2,026.0 | 3.1 | 0.2\% | 2,025.7 | 3.5 | 0.2\% | 2,025.5 | 3.7 | 0.2\% | 2,025.1 | 4.1 | 0.2\% | 2,024.8 | 4.4 | 0.2\% | 2,024.4 | 4.7 | 0.2\% |
| ME1 | 485942 | 2001 | Dry | June | - | 1,247.6 | 1,242.7 | 4.9 | 0.4\% | 1,242.2 | 5.3 | 0.4\% | 1,241.8 | 5.8 | 0.5\% | 1,241.3 | 6.3 | 0.5\% | 1,240.9 | 6.7 | 0.5\% | 1,240.4 | 7.2 | 0.6\% |
| ME1 | 485942 | 2001 | Dry | July | - | 647.4 | 642.7 | 4.7 | 0.7\% | 642.2 | 5.2 | 0.8\% | 641.7 | 5.6 | 0.9\% | 641.3 | 6.1 | 0.9\% | 640.8 | 6.6 | 1.0\% | 640.3 | 7.0 | 1.1\% |
| ME1 | 48592 | 2001 | Dry | August | -- | 109.5 | 105.5 | 4.0 | 3.6\% | 105.2 | 4.4 | 4.0\% | 104.8 | 4.8 | 4.3\% | 104.4 | 5.2 | 4.7\% | 104.0 | 5.6 | 5.1\% | 103.6 | 6.0 | 5.4\% |
| ME1 | 485942 | 2001 | Dry | September | Used in Summary Table Analysis | 36.8 | 33.6 | 3.2 | 8.8\% | 33.2 | 3.6 | 9.7\% | 32.9 | 3.9 | 10.5\% | 32.6 | 4.2 | 11.4\% | 32.3 | 4.5 | 12.3\% | 32.0 | 4.8 | 13.1\% |
| ME1 | 485942 | 2002 | Below Normal | October | Used in Summary Table Analysis | 116.0 | 113.7 | 2.3 | 2.0\% | 113.5 | 2.5 | 2.2\% | 113.3 | 2.8 | 2.4\% | 113.1 | 3.0 | 2.6\% | 112.8 | 3.2 | 2.8\% | 112.6 | 3.4 | 3.0\% |
| ME1 | 48592 | 2002 | Below Normal | November | Used in Summary Table Analysis | 4,539.1 | 4,537.5 | 1.6 | 0.0\% | 4,537.3 | 1.9 | 0.0\% | 4,537.2 | 2.0 | 0.0\% | 4,537.0 | 2.1 | 0.0\% | 4,536.8 | 2.3 | 0.1\% | 4,536.7 | 2.4 | 0.1\% |
| ME1 | 48592 | 2002 | Below Normal | December - |  | 21,186.3 | 21,184.0 | 2.3 | 0.0\% | 21,184.0 | 2.3 | 0.0\% | 21,184.0 | 2.3 | 0.0\% | 21,184.0 | 2.3 | 0.0\% | 21,184.0 | 2.3 | 0.0\% | 21,184.0 | 2.3 | 0.0\% |
| ME1 | 485942 | 2002 | Below Normal | January | - | 20,819.4 | 20,818.3 | 1.2 | 0.0\% | 20,818.3 | 1.2 | 0.0\% | 20,818.3 | 1.2 | 0.0\% | 20,818.3 | 1.2 | 0.0\% | 20,818.3 | 1.2 | 0.0\% | 20,818.3 | 1.2 | 0.0\% |
| ME1 | 48592 | 2002 | Below Normal | February | - | 16,041.7 | 16,040.5 | 1.2 | 0.0\% | 16,039.4 | 2.3 | 0.0\% | 16,039.4 | 2.3 | 0.0\% | 16,039.4 | 2.3 | 0.0\% | 16,039.4 | 2.3 | 0.0\% | 16,039.4 | 2.3 | 0.0\% |
| ME1 | 485942 | 2002 | Below Normal | March | - | 10,325.0 | 10,323.7 | 1.3 | 0.0\% | 10,323.5 | 1.5 | 0.0\% | 10,333.4 | 1.6 | 0.0\% | 10,323.3 | 1.7 | 0.0\% | 10,323.1 | 1.9 | 0.0\% | 10,322.9 | 2.1 | 0.0\% |
| ME1 | 48592 | 2002 | Below Normal | April | - | 5,556.9 | 5,554.6 | 2.3 | 0.0\% | 5,554.4 | 2.5 | 0.0\% | 5,554.2 | 2.8 | 0.0\% | 5,553.9 | 3.0 | 0.1\% | 5,553.7 | 3.2 | 0.1\% | 5,553.5 | 3.5 | 0.1\% |
| ME1 | 48592 | 2002 | Below Normal | May | - | 2,148.6 | 2,145.3 | 3.4 | 0.2\% | 2,145.0 | 3.6 | 0.2\% | 2,144.7 | 3.9 | 0.2\% | 2,144.3 | 4.3 | 0.2\% | 2,144.0 | 4.6 | 0.2\% | 2,143.6 | 5.0 | 0.2\% |
| ME1 | 485942 | 2002 | Below Normal | June | - | 651.1 | 647.0 | 4.1 | 0.6\% | 646.6 | 4.5 | 0.7\% | 646.2 | 4.9 | 0.8\% | 645.8 | 5.3 | 0.8\% | 645.4 | 5.7 | 0.9\% | 645.0 | 6.1 | 0.9\% |
| ME1 | 48592 | 2002 | Below Normal | July | - | 295.6 | 291.4 | 4.2 | 1.4\% | 291.0 | 4.7 | 1.6\% | 290.5 | 5.1 | 1.7\% | 290.1 | 5.5 | 1.9\% | 289.7 | 5.9 | 2.0\% | 289.3 | 6.4 | 2.1\% |
| ME1 | 485942 | 2002 | Below Normal | August | -- | 163.7 | 160.2 | 3.5 | 2.1\% | 159.9 | 3.8 | 2.3\% | 159.6 | 4.1 | 2.5\% | 159.2 | 4.5 | 2.7\% | 158.9 | 4.8 | 3.0\% | 158.5 | 5.2 | 3.2\% |
| me1 | 485942 | 2002 | Below Normal | September | Used in Summary Table Analysis | 105.1 | 101.9 | 3.2 | 3.0\% | 101.6 | 3.5 | 3.3\% | 101.3 | 3.8 | 3.6\% | 101.0 | 4.1 | 3.9\% | 100.7 | 4.4 | 4.2\% | 100.4 | 4.7 | 4.5\% |
| ME1 | 485942 | 2003 | Wet | October | Used in Summary Table Analysis | 81.9 | 79.8 | 2.1 | 2.6\% | 79.6 | 2.3 | 2.8\% | 79.4 | 2.5 | 3.1\% | 79.2 | 2.7 | 3.4\% | 79.0 | 3.0 | 3.6\% | 78.8 | 3.2 | 3.9\% |
| ME1 | 48592 | 2003 | Wet | November | Used in Summary Table Analysis | 258.7 | 257.2 | 1.6 | 0.6\% | 257.0 | 1.7 | 0.7\% | 256.9 | 1.9 | 0.7\% | 256.7 | 2.0 | 0.8\% | 256.6 | 2.2 | 0.8\% | 256.4 | 2.3 | 0.9\% |
| ME1 | 48592 | 2003 | Wet | December - |  | 25,631.9 | 25,629.6 | 2.3 | 0.0\% | 25,629.6 | 2.3 | 0.0\% | 25,629.6 | 2.3 | 0.0\% | 25,629.6 | 2.3 | 0.0\% | 25,629.6 | 2.3 | 0.0\% | 25,629.6 | 2.3 | 0.0\% |
| ME1 | 485942 | 2003 | Wet | January | - | 23,622.7 | 23,620.4 | 2.3 | 0.0\% | 23,620.4 | 2.3 | 0.0\% | 23,620.4 | 2.3 | 0.0\% | 23,620.4 | 2.3 | 0.0\% | 23,620.4 | 2.3 | 0.0\% | 23,620.4 | 2.3 | 0.0\% |
| ME1 | 485942 | 2003 | wet | February - | -- | 14,653.9 | 14,652.8 | 1.2 | 0.0\% | 14,652.8 | 1.2 | 0.0\% | 14,652.8 | 1.2 | 0.0\% | 14,651.6 | 2.3 | 0.0\% | 14,651.6 | 2.3 | 0.0\% | 14,651.6 | 2.3 | 0.0\% |
| me 1 | 485942 | 2003 | Wet | March | - | 12,693.3 | 12,692.1 | 1.2 | 0.0\% | 12,692.1 | 1.2 | 0.0\% | 12,691.0 | 2.3 | 0.0\% | 12,691.0 | 2.3 | 0.0\% | 12,691.0 | 2.3 | 0.0\% | 12,691.0 | 2.3 | 0.0\% |
| ME1 | 485942 | 2003 | Wet | April | - | 20,48.4 | 20,487.3 | 1.2 | 0.0\% | 20,487.3 | 1.2 | 0.0\% | 20,487.3 | 1.2 | 0.0\% | 20,487.3 | 1.2 | 0.0\% | 20,487.3 | 1.2 | 0.0\% | 20,486.1 | 2.3 | 0.0\% |
| ME1 | 48592 | 2003 | Wet | May | - | 10,054.3 | 10,052.0 | 2.3 | 0.0\% | 10,051.7 | 2.5 | 0.0\% | 10,051.5 | 2.8 | 0.0\% | 10,051.2 | 3.1 | 0.0\% | 10,050.9 | 3.4 | 0.0\% | 10,050.7 | 3.6 | 0.0\% |
| ME1 | 485942 | 2003 | Wet | June | - | 3,072.5 | 3,067.9 | 4.5 | 0.1\% | 3,067.5 | 5.0 | 0.2\% | 3,067.0 | 5.4 | 0.2\% | 3,066.6 | 5.9 | 0.2\% | 3,066.1 | 6.4 | 0.2\% | 3,065.7 | 6.7 | 0.2\% |
| ME1 | 485942 | 2003 | Wet | July | - | 1,393.8 | 1,389.5 | 4.3 | 0.3\% | 1,389.1 | 4.6 | 0.3\% | 1,388.7 | 5.1 | 0.4\% | 1,388.2 | 5.6 | 0.4\% | 1,387.8 | 5.9 | 0.4\% | 1,387.4 | 6.4 | 0.5\% |
| ME1 | 485942 | 2003 | Wet | August | -- | 679.4 | 675.9 | 3.5 | 0.5\% | 675.5 | 3.9 | 0.6\% | 675.2 | 4.2 | 0.6\% | 674.8 | 4.6 | 0.7\% | 674.5 | 4.9 | 0.7\% | 674.1 | 5.3 | 0.8\% |
| ME1 | 485942 | 2003 | Wet | September | Used in Summary Table Analysis | 394.0 | 391.1 | 2.9 | 0.7\% | 390.9 | 3.1 | 0.8\% | 390.6 | 3.4 | 0.9\% | 390.3 | 3.7 | 0.9\% | 390.0 | 4.0 | 1.0\% | 389.7 | 4.3 | 1.1\% |
| me 1 | 485942 | 2004 | Wet | October | Used in Summary Table Analysis | 274.1 | 272.0 | 2.0 | 0.7\% | 271.8 | 2.2 | 0.8\% | 271.6 | 2.4 | 0.9\% | 271.4 | 2.6 | 1.0\% | 271.2 | 2.8 | 1.0\% | 271.0 | 3.1 | 1.1\% |
| ME1 | 485942 | 2004 | Wet | November | Used in Summary Table Analysis | 1,518.6 | 1,517.1 | 1.5 | 0.1\% | 1,516.9 | 1.7 | 0.1\% | 1,516.8 | 1.9 | 0.1\% | 1,516.7 | 2.0 | 0.1\% | 1,516.4 | 2.2 | 0.1\% | 1,516.3 | 2.3 | 0.2\% |
| ME1 | 485942 | 2004 | Wet | December - |  | 17,524.3 | 17,523.1 | 1.2 | 0.0\% | 17,523.1 | 1.2 | 0.0\% | 17,523.1 | 1.2 | 0.0\% | 17,523.1 | 1.2 | 0.0\% | 17,522.0 | 2.3 | 0.0\% | 17,522.0 | 2.3 | 0.0\% |
| ME1 | 48592 | 2004 | Wet | January | -- | 20,762.7 | 20,761.6 | 1.2 | 0.0\% | 20,761.6 | 1.2 | 0.0\% | 20,761.6 | 1.2 | 0.0\% | 20,760.4 | 2.3 | 0.0\% | 20,760.4 | 2.3 | 0.0\% | 20,760.4 | 2.3 | 0.0\% |
| ME1 | 485942 | 2004 | Wet | February - |  | 20,275.5 | 20,274.3 | 1.2 | 0.0\% | 20,274.3 | 1.2 | 0.0\% | 20,274.3 | 1.2 | 0.0\% | 20,274.3 | 1.2 | 0.0\% | 20,274.3 | 1.2 | 0.0\% | 20,274.3 | 1.2 | 0.0\% |
| ME1 | 48592 | 2004 | Wet | March | - | 12,274.3 | 12,273.1 | 1.2 | 0.0\% | 12,273.1 | 1.2 | 0.0\% | 12,273.1 | 1.2 | 0.0\% | 12,273.1 | 1.2 | 0.0\% | 12,273.1 | 1.2 | 0.0\% | 12,273.1 | 1.2 | 0.0\% |
| ME1 | 485942 | 2004 | Wet | April | - | 5,833.9 | 5,832.6 | 1.3 | 0.0\% | 5,832.5 | 1.4 | 0.0\% | 5,832.4 | 1.5 | 0.0\% | 5,832.3 | 1.6 | 0.0\% | 5,832.2 | 1.7 | 0.0\% | 5,832.1 | 1.9 | 0.0\% |
| ME1 | 48592 | 2004 | Wet | May | - | 2,310.4 | 2,308.1 | 2.3 | 0.1\% | 2,307.9 | 2.5 | 0.1\% | 2,307.6 | 2.8 | 0.1\% | 2,307.4 | 3.0 | 0.1\% | 2,307.2 | 3.2 | 0.1\% | 2,306.9 | 3.5 | 0.2\% |
| ME1 | 48592 | 2004 | Wet | June | - | 614.6 | 610.3 | 4.4 | 0.7\% | 609.8 | 4.8 | 0.8\% | 609.4 | 5.2 | 0.8\% | 609.0 | 5.7 | 0.9\% | 608.5 | 6.1 | 1.0\% | 608.1 | 6.5 | 1.1\% |
| ME1 | 485942 | 2004 | Wet | July | - | 287.2 | 283.1 | 4.1 | 1.4\% | 282.7 | 4.6 | 1.6\% | 282.3 | 5.0 | 1.7\% | 281.9 | 5.4 | 1.9\% | 281.4 | 5.8 | 2.0\% | 281.0 | 6.2 | 2.2\% |
| ME1 | 48592 | 2004 | Wet | August | -- | 163.5 | 160.0 | 3.4 | 2.1\% | 159.7 | 3.8 | 2.3\% | 159.3 | 4.1 | 2.5\% | 159.0 | 4.5 | 2.7\% | 158.7 | 4.8 | 2.9\% | 158.3 | 5.2 | 3.2\% |
| ME1 | 485942 | 2004 | Wet | September | Used in Summary Table Analysis | 107.6 | 104.8 | 2.8 | 2.6\% | 104.5 | 3.1 | 2.9\% | 104.2 | 3.4 | 3.1\% | 103.9 | 3.7 | 3.4\% | 103.7 | 4.0 | 3.7\% | 103.4 | 4.2 | 3.9\% |
| ME1 | 485942 | 2005 | Above Normal | October | Used in Summary Table Analysis | 1,664.0 | 1,662.0 | 2.0 | 0.1\% | $1,661.8$ | 2.2 | 0.1\% | 1,661.6 | 2.4 | 0.1\% | $1,661.3$ | 2.7 | 0.2\% | 1,661.2 | 2.8 | 0.2\% | 1,661.0 | 3.0 | 0.2\% |
| ME1 | 485942 485942 | 2005 | Above Normal | November | Used in Summary Table Analysis | $1,265.3$ <br> 88568 <br> 1359 | $1,263.8$ 8.8554 | 1.5 | 0.1\% | $1,263.7$ <br> 8.855 <br> 1854. | 1.6 1.5 | 0.1\% | $1,263.5$ <br> 8.585 <br> 15.5 | 1.7 | 0.1\% | $1,263.3$ <br> 8.855 <br> 1554 | 2.0 | 0.2\% | $1,263.2$ 8.855 | 2.1 | 0.2\% | $1,263.1$ <br> 8854.8 <br> 185. | 2.2 | 0.2\% |
| ME1 | 485942 | 2005 | Above Normal | December - |  | 8,586.8 | 8,585.4 | 1.4 | 0.0\% | 8,585.3 | 1.5 | 0.0\% | 8.585 .2 | 1.6 | 0.0\% | 8,585.1 | 1.7 | 0.0\% | 8,585.0 | 1.9 | 0.0\% | ${ }^{8,584.8}$ | 2.0 | 0.0\% |
| ME1 | 485942 485942 | 2005 | Above Normal Above Normal | ${ }_{\text {January }}^{\text {February }}$ | -- | $13,535.9$ $9,280.3$ | $13,534.7$ $9,279,1$ | 1.2 1.3 1.2 | 0.0\% | $13,534.7$ $9,788.9$ | 1.2 1.4 1.2 | 0.0\% | $13,534.7$ $9,278.8$ cein | 1.2 1.5 | 0.0\% | $13,534.7$ $9,278.7$ | 1.2 1.6 | $0.0 \%$ $0.0 \%$ 0 | ${ }^{13,534.7}$ | 1.2 | 0.0\% | ${ }^{13,534.7}$ | 1.2 | 0.0\% |
| ME1 | 485942 48942 | 2005 | Above Normal Above Normal | February March | - | - ${ }^{\text {9,280.3 }} 13,944.4$ | ${ }^{9,27999.1}$ | 1.3 1.2 | - |  | 1.4 1.2 | - | $9,278.8$ 13,943 | 1.5 1.2 | 0.0\% | 9,278.7 $13,943.3$ | 1.6 1.2 | 0.0\% | 9,278.6 $13,943.3$ | 1.7 1.2 | 0.0\% | 9,278.5 $13,942.1$ | 1.9 2.3 | 0.0\% |
| ME1 | 485942 | 2005 | Above Normal | April | - | 11,990.7 | 11,989.6 | 1.2 | 0.0\% | 11,989.6 | 1.2 | 0.0\% | 11,989.6 | 1.2 | 0.0\% | 11,989.6 | 1.2 | 0.0\% | 11,989.6 | 1.2 | 0.0\% | 11,989.6 | 1.2 | 0.0\% |
| ME1 | 48592 | 2005 | Above Normal | May | - | 10,761.3 | 10,758.9 | 2.4 | 0.0\% | 10,758.7 | 2.7 | 0.0\% | 10,758.4 | 2.9 | 0.0\% | 10,758.2 | 3.1 | 0.0\% | 10,758.0 | 3.4 | 0.0\% | 10,757.8 | 3.6 | 0.0\% |
| ME1 | 48592 | 2005 | Above Normal | June | - | 9,164.4 | 9,159.8 | 4.5 | 0.0\% | 9,159.4 | 5.0 | 0.1\% | 9,159.0 | 5.3 | 0.1\% | 9,158.6 | 5.8 | 0.1\% | 9,158.1 | 6.3 | 0.1\% | 9,157.6 | 6.7 | 0.1\% |
| ME1 | 485942 | 2005 | Above Normal | July | - | 2,770.5 | 2,766.3 | 4.2 | 0.2\% | 2,765.9 | 4.6 | 0.2\% | 2,765.4 | 5.1 | 0.2\% | 2,765.0 | 5.4 | 0.2\% | 2,764.6 | 5.9 | 0.2\% | 2,764.2 | 6.3 | 0.2\% |
| me1 | 485942 | 2005 | Above Normal | August | -- | 901.6 | 898.1 | 3.5 | 0.4\% | 897.7 | 3.8 | 0.4\% | 897.4 | 4.2 | 0.5\% | 897.1 | 4.5 | 0.5\% | 896.7 | 4.8 | 0.5\% | 896.4 | 5.2 | 0.6\% |
| ME1 | 48592 | 2005 | Above Normal | September | Used in Summary Table Analysis | 453.2 | 450.3 | 2.8 | 0.6\% | 450.1 | 3.1 | 0.7\% | 449.8 | 3.4 | 0.7\% | 449.5 | 3.7 | 0.8\% | 449.2 | 4.0 | 0.9\% | 448.9 | 4.2 | 0.9\% |
| ME1 | 485942 | 2006 | Wet | October | Used in Summary Table Analysis | 365.9 | 364.0 | 1.9 | 0.5\% | 363.8 | 2.1 | 0.6\% | 363.6 | 2.3 | 0.6\% | 363.4 | 2.5 | 0.7\% | 363.2 | 2.7 | 0.7\% | 363.0 | 2.9 | 0.8\% |
| ME1 | 485942 | 2006 | Wet | November | Used in Summary Table Analysis | 2,520.1 | 2,518.6 | 1.5 | 0.1\% | 2,518.5 | 1.6 | 0.1\% | 2,518.4 | 1.7 | 0.1\% | 2,518.2 | 2.0 | 0.1\% | 2,518.1 | 2.1 | 0.1\% | 2,517.9 | 2.2 | 0.1\% |
| ME1 | 485942 | 2006 | Wet | December |  | 22,588.0 | 22,586.8 | 1.2 | 0.0\% | 22,586.8 | 1.2 | 0.0\% | 22,585.6 | 2.3 | 0.0\% | 22,585.6 | 2.3 | 0.0\% | 22,585.6 | 2.3 | 0.0\% | 22,585.6 | 2.3 | 0.0\% |
| ME 1 | 485942 | 2006 | Wet | January |  | 28,590.3 | 28,589.1 | 1.2 | 0.0\% | 28,589.1 | 1.2 | 0.0\% | 28,588.0 | 2.3 | 0.0\% | 28,588.0 | 2.3 | 0.0\% | 28,58.0 | 2.3 | 0.0\% | 28,58.0 | 2.3 | 0.0\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Surface Water Depletion Area Area of Interes} \& \multirow[b]{2}{*}{\[
\begin{aligned}
\& \text { Model Cell } \\
\& \text { (Row, Column, } \\
\& \text { Surface Water } \\
\& \text { Reach) }
\end{aligned}
\]} \& \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Water Year Water Year Type}} \& \multirow[b]{2}{*}{Month} \& \& \multirow[b]{2}{*}{\[
\begin{aligned}
\& \text { Flow } \\
\& \text { Without } \\
\& \text { Pumping } \\
\& \text { (cfs) }
\end{aligned}
\]} \& \multicolumn{3}{|c|}{Existing Conditions} \& \multicolumn{3}{|c|}{10\% Pumping Increase} \& \multicolumn{3}{|c|}{20\% Pumping Increase} \& \multicolumn{3}{|c|}{30\% Pumping Increase} \& \multicolumn{3}{|c|}{40\% Pumping Increase} \& \multicolumn{3}{|c|}{50\% Pumping Increase} \\
\hline \& \& \& \& \& Note \& \& Flow (ffs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cts) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Fiow } \\
\text { Difference } \\
\text { (cts) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent Difference \& Flow (ffs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (ffs) }
\end{gathered}
\] \& Percent
Difference \\
\hline ME1 \& 485942 \& 2006 \& Wet \& February \& -- \& 16,953.7 \& 16,952.5 \& 1.2 \& 0.0\% \& 16,952.5 \& 1.2 \& 0.0\% \& 16,952.5 \& 1.2 \& 0.0\% \& 16,952.5 \& 1.2 \& 0.0\% \& 16,952.5 \& 1.2 \& 0.0\% \& 16,952.5 \& 1.2 \& 0.0\% \\
\hline ME1 \& 485942 \& 2006 \& Wet \& March \& -- \& 23,273.1 \& 23,272.0 \& 1.2 \& 0.0\% \& 23,272.0 \& 1.2 \& 0.0\% \& 23,272.0 \& 1.2 \& 0.0\% \& 23,272.0 \& 1.2 \& 0.0\% \& 23,272.0 \& 1.2 \& 0.0\% \& 23,272.0 \& 1.2 \& 0.0\% \\
\hline ME1 \& 485942 \& 2006 \& wet \& April \& - \& 18,674.8 \& 18,673.6 \& 1.2 \& 0.0\% \& 18,673.6 \& 1.2 \& 0.0\% \& 18,673.6 \& 1.2 \& 0.0\% \& 18,673.6 \& 1.2 \& 0.0\% \& 18,673.6 \& 1.2 \& 0.0\% \& 18,673.6 \& 1.2 \& 0.0\% \\
\hline ME1 \& 48592 \& 2006 \& Wet \& May \& - \& 9,409.4 \& 9,407.8 \& 1.6 \& 0.0\% \& 9,407.6 \& 1.7 \& 0.0\% \& 9,407.4 \& 2.0 \& 0.0\% \& 9,407.3 \& 2.1 \& 0.0\% \& 9,407.2 \& 2.2 \& 0.0\% \& 9,406.9 \& 2.4 \& 0.0\% \\
\hline ME1 \& 485942 \& 2006 \& Wet \& June \& - \& 2,969.8 \& 2,966.1 \& 3.7 \& 0.1\% \& 2,965.7 \& 4.1 \& 0.1\% \& 2,965.4 \& 4.4 \& 0.1\% \& 2,965.0 \& 4.7 \& 0.2\% \& 2,964.6 \& 5.2 \& 0.2\% \& 2,964.2 \& 5.6 \& 0.2\% \\
\hline ME1 \& 485942 \& 2006 \& Wet \& July \& - \& 1,184.7 \& 1,180.6 \& 4.2 \& 0.4\% \& 1,180.1 \& 4.6 \& 0.4\% \& 1,179.6 \& 5.1 \& 0.4\% \& 1,179.3 \& 5.4 \& 0.5\% \& 1,178.8 \& 5.9 \& 0.5\% \& 1,178.4 \& 6.4 \& 0.5\% \\
\hline ME1 \& 485942 \& 2006 \& Wet \& August \& -- \& 585.1 \& 581.5 \& 3.6 \& 0.6\% \& 581.1 \& 4.0 \& 0.7\% \& 580.7 \& 4.4 \& 0.7\% \& 580.4 \& 4.7 \& 0.8\% \& 580.0 \& 5.1 \& 0.9\% \& 579.7 \& 5.5 \& 0.9\% \\
\hline ME1 \& 48592 \& 2006 \& Wet \& September \& er Used in Summary Table Analysis \& 355.3 \& 352.4 \& 2.9 \& 0.8\% \& 352.1 \& 3.2 \& 0.9\% \& 351.8 \& 3.5 \& 1.0\% \& 351.5 \& 3.8 \& 1.1\% \& 351.2 \& 4.1 \& 1.2\% \& 350.9 \& 4.4 \& 1.2\% \\
\hline ME1 \& 48592 \& 2007 \& Above Normal \& October \& Used in Summary Table Analysis \& 216.0 \& 213.9 \& 2.0 \& 0.9\% \& 213.7 \& 2.2 \& 1.0\% \& 213.5 \& 2.4 \& 1.1\% \& 213.3 \& 2.6 \& 1.2\% \& 213.1 \& 2.8 \& 1.3\% \& 212.9 \& 3.1 \& 1.4\% \\
\hline ME1 \& 48592 \& 2007 \& Above Normal \& November \& Used in Summary Table Analysis \& 2,527.9 \& 2,526.4 \& 1.5 \& 0.1\% \& 2,526.3 \& 1.6 \& 0.1\% \& 2,526.2 \& 1.7 \& 0.1\% \& 2,525.9 \& 2.0 \& 0.1\% \& 2,525.8 \& 2.1 \& 0.1\% \& 2,525.7 \& 2.2 \& 0.1\% \\
\hline ME1 \& 485942 \& 2007 \& Above Normal \& December \& -- \& 9,032.8 \& 9,031.4 \& 1.4 \& 0.0\% \& 9,031.3 \& 1.5 \& 0.0\% \& 9,031.1 \& 1.6 \& 0.0\% \& 9,030.9 \& 1.9 \& 0.0\% \& 9,030.8 \& 2.0 \& 0.0\% \& 9,030.7 \& 2.1 \& 0.0\% \\
\hline ME1 \& 485942 \& 2007 \& Above Normal \& January \& -- \& 7,656.0 \& 7,654.7 \& 1.3 \& 0.0\% \& 7,654.6 \& 1.4 \& 0.0\% \& 7,654.5 \& 1.5 \& 0.0\% \& 7,654.4 \& 1.6 \& 0.0\% \& 7,654.3 \& 1.7 \& 0.0\% \& 7,654.1 \& 2.0 \& 0.0\% \\
\hline ME1 \& 48592 \& 2007 \& Above Normal \& February \& -- \& 12,370.4 \& 12,369.2 \& 1.2 \& 0.0\% \& 12,369.2 \& 1.2 \& 0.0\% \& 12,369.2 \& 1.2 \& 0.0\% \& 12,369.2 \& 1.2 \& 0.0\% \& 12,369.2 \& 1.2 \& 0.0\% \& 12,369.2 \& 1.2 \& 0.0\% \\
\hline ME1 \& 48592 \& 2007 \& Above Normal \& March \& -- \& 7,943.5 \& 7,942.2 \& 1.3 \& 0.0\% \& 7,942.0 \& 1.5 \& 0.0\% \& 7,941.9 \& 1.6 \& 0.0\% \& 7,941.8 \& 1.7 \& 0.0\% \& 7,941.7 \& 1.9 \& 0.0\% \& 7,941.6 \& 2.0 \& 0.0\% \\
\hline ME1 \& 485942 \& 2007 \& Above Normal \& April \& - \& 4,932.3 \& 4,930.0 \& 2.3 \& 0.0\% \& 4,929.7 \& 2.5 \& 0.1\% \& 4,929.5 \& 2.8 \& 0.1\% \& 4,929.3 \& 3.0 \& 0.1\% \& 4,929.1 \& 3.2 \& 0.1\% \& 4,928.8 \& 3.5 \& 0.1\% \\
\hline ME1 \& 485942 \& 2007 \& Above Normal \& May \& - \& 2,825.6 \& 2,822.2 \& 3.4 \& 0.1\% \& 2,821.9 \& 3.7 \& 0.1\% \& 2,821.6 \& 3.9 \& 0.1\% \& 2,821.3 \& 4.3 \& 0.2\% \& 2,820.9 \& 4.6 \& 0.2\% \& 2,820.6 \& 5.0 \& 0.2\% \\
\hline ME1 \& 48592 \& 2007 \& Above Normal \& June \& - \& 1,014.2 \& 1,010.1 \& 4.1 \& 0.4\% \& 1,009.7 \& 4.5 \& 0.4\% \& 1,009.3 \& 4.9 \& 0.5\% \& 1,008.9 \& 5.3 \& 0.5\% \& 1,008.5 \& 5.7 \& 0.6\% \& 1,008.1 \& 6.1 \& 0.6\% \\
\hline me 1 \& 485942 \& 2007 \& Above Normal \& July \& - \& 379.3 \& 375.0 \& 4.2 \& 1.1\% \& 374.6 \& 4.6 \& 1.2\% \& 374.2 \& 5.1 \& 1.3\% \& 373.8 \& 5.5 \& 1.4\% \& 373.3 \& 5.9 \& 1.6\% \& 372.9 \& 6.3 \& 1.7\% \\
\hline ME1 \& 48592 \& 2007 \& Above Normal \& August \& -- \& 156.8 \& 153.4 \& 3.4 \& 2.2\% \& 153.0 \& 3.8 \& 2.4\% \& 152.7 \& 4.1 \& 2.6\% \& 152.4 \& 4.5 \& 2.8\% \& 152.0 \& 4.8 \& 3.1\% \& 151.7 \& 5.2 \& 3.3\% \\
\hline ME1 \& 485942 \& 2007 \& Above Normal \& September \& U Used in Summary Table Analysis \& 89.2 \& 86.1 \& 3.1 \& 3.5\% \& 85.8 \& 3.4 \& 3.9\% \& 85.5 \& 3.8 \& 4.2\% \& 85.1 \& 4.1 \& 4.6\% \& 84.8 \& 4.4 \& 4.9\% \& 84.5 \& 4.7 \& 5.3\% \\
\hline ME1 \& 485942 \& 2008 \& Dry \& October \& Used in Summary Table Analysis \& 427.2 \& 425.1 \& 2.1 \& 0.5\% \& 424.9 \& 2.3 \& 0.5\% \& 424.7 \& 2.5 \& 0.6\% \& 424.5 \& 2.7 \& 0.6\% \& 424.3 \& 2.9 \& 0.7\% \& 424.1 \& 3.1 \& 0.7\% \\
\hline ME1 \& 48592 \& 2008 \& Dry \& November \& Used in Summary Table Analysis \& 1,034.7 \& 1,033.2 \& 1.5 \& 0.1\% \& 1,033.0 \& 1.7 \& 0.2\% \& 1,032.9 \& 1.8 \& 0.2\% \& 1,032.7 \& 2.0 \& 0.2\% \& 1,032.6 \& 2.1 \& 0.2\% \& 1,032.4 \& 2.3 \& 0.2\% \\
\hline me 1 \& 485942 \& 2008 \& Dry \& December \& -- \& 8,263.9 \& 8,262.6 \& 1.3 \& 0.0\% \& 8,262.5 \& 1.4 \& 0.0\% \& 8,262.4 \& 1.5 \& 0.0\% \& 8,262.3 \& 1.6 \& 0.0\% \& 8,262.2 \& 1.7 \& 0.0\% \& 8,262.0 \& 1.9 \& 0.0\% \\
\hline ME1 \& 48592 \& 2008 \& Dry \& January \& -- \& 21,000.0 \& 20,998.8 \& 1.2 \& 0.0\% \& 20,998.8 \& 1.2 \& 0.0\% \& 20,998.8 \& 1.2 \& 0.0\% \& 20,997.7 \& 2.3 \& 0.0\% \& 20,997.7 \& 2.3 \& 0.0\% \& 20,997.7 \& 2.3 \& 0.0\% \\
\hline ME1 \& 48592 \& 2008 \& Dry \& February \& -- \& 19,610.0 \& 19,608.8 \& 1.2 \& 0.0\% \& 19,608.8 \& 1.2 \& 0.0\% \& 19,608.8 \& 1.2 \& 0.0\% \& 19,608.8 \& 1.2 \& 0.0\% \& 19,608.8 \& 1.2 \& 0.0\% \& 19,608.8 \& 1.2 \& 0.0\% \\
\hline ME1 \& 485942 \& 2008 \& Dry \& March \& - \& 8,549.5 \& 8,548.4 \& 1.2 \& 0.0\% \& 8,548.3 \& 1.3 \& 0.0\% \& 8,548.1 \& 1.4 \& 0.0\% \& 8,548.0 \& 1.5 \& 0.0\% \& 8,547.9 \& 1.6 \& 0.0\% \& 8,547.8 \& 1.7 \& 0.0\% \\
\hline ME1 \& 48592 \& 2008 \& Dry \& April \& - \& 4,623.7 \& 4,621.6 \& 2.1 \& 0.0\% \& 4,621.4 \& 2.3 \& 0.1\% \& 4,621.2 \& 2.5 \& 0.1\% \& 4,621.1 \& 2.7 \& 0.1\% \& 4,620.8 \& 2.9 \& 0.1\% \& 4,620.6 \& 3.1 \& 0.1\% \\
\hline ME1 \& 485942 \& 2008 \& Dry \& May \& - \& 1,289.7 \& 1,286.6 \& 3.1 \& 0.2\% \& 1,286.2 \& 3.5 \& 0.3\% \& 1,285.9 \& 3.8 \& 0.3\% \& 1,885.5 \& 4.2 \& 0.3\% \& 1,285.3 \& 4.4 \& 0.3\% \& 1,285.0 \& 4.7 \& 0.4\% \\
\hline ME1 \& 485942 \& 2008 \& Dry \& June \& - \& 351.6 \& 346.9 \& 4.7 \& 1.3\% \& 346.5 \& 5.1 \& 1.5\% \& 346.0 \& 5.6 \& 1.6\% \& 345.5 \& 6.1 \& 1.7\% \& 345.1 \& 6.5 \& 1.9\% \& 344.6 \& 7.0 \& 2.0\% \\
\hline ME1 \& 48592 \& 2008 \& Dry \& July \& - \& 198.2 \& 193.6 \& 4.6 \& 2.3\% \& 193.2 \& 5.0 \& 2.5\% \& 192.7 \& 5.5 \& 2.8\% \& 192.3 \& 5.9 \& 3.0\% \& 191.8 \& 6.4 \& 3.2\% \& 191.4 \& 6.8 \& 3.5\% \\
\hline ME1 \& 485942 \& 2008 \& Dry \& August \& -- \& 124.1 \& 120.3 \& 3.9 \& 3.1\% \& 119.9 \& 4.3 \& 3.4\% \& 119.5 \& 4.7 \& 3.7\% \& 119.1 \& 5.0 \& 4.1\% \& 118.7 \& 5.4 \& 4.4\% \& 118.3 \& 5.8 \& 4.7\% \\
\hline ME1 \& 48592 \& 2008 \& Dry \& September \& Used in Summary Table Analysis \& 97.1 \& 93.9 \& 3.2 \& 3.3\% \& 93.6 \& 3.5 \& 3.6\% \& 93.3 \& 3.8 \& 3.9\% \& 92.9 \& 4.1 \& 4.3\% \& 92.6 \& 4.4 \& 4.6\% \& 92.3 \& 4.8 \& 4.9\% \\
\hline me1 \& 48592 \& 2009 \& Critical \& October \& Used in Summary Table Analysis \& 254.0 \& 251.7 \& 2.3 \& 0.9\% \& 251.5 \& 2.5 \& 1.0\% \& 251.3 \& 2.7 \& 1.1\% \& 251.1 \& 2.9 \& 1.2\% \& 250.8 \& 3.1 \& 1.2\% \& 250.6 \& 3.4 \& 1.3\% \\
\hline ME1 \& 485942 \& 2009 \& \({ }_{\text {Critical }}\) \& November \& Used in Summary Table Analysis \& 1,477.0 \& 1,475.3 \& 1.6 \& 0.1\% \& 1,475.2 \& 1.7 \& 0.1\% \& 1,475.0 \& 2.0 \& 0.1\% \& 1,474.9 \& 2.1 \& 0.1\% \& 1,474.8 \& 2.2 \& 0.1\% \& 1,474.5 \& 2.4 \& 0.2\% \\
\hline ME1 \& 485942
485942 \& 2009
2009 \& Critical
Critical \& December \& -- \& \(4,650.5\)
4.262 .2 \& 4,649.1
\(4,260.8\) \& 1.4
1.4
1.2 \& 0.0\%
\(0.0 \%\)
0.0 \& \(4,649.0\)
4.260 .6 \& 1.5
1.5 \& 0.0\%
\(0.0 \%\)
0 \& \begin{tabular}{l}
\(4,648.8\) \\
\(4,260.5\) \\
\hline
\end{tabular} \& 1.6 \& 0.0\% \& \(4,648.6\)
4.260 .3 \& 1.9 \& 0.0\% \& \(4,648.5\)
4.2602 \& 2.0
20 \& 0.0\%
\(0.0 \%\)
0 \& \(4,688.4\)
4.260 .1 \& 2.1
21 \& 0.0\%
\(0.0 \%\)
0 \\
\hline ME 1
ME 1 \& 485942
485942 \& 2009
2009 \& Critical
Critical \& January
February \& -- \& 4,262.2
\(8,764.1\) \& 4,260.8
\(8,763.0\) \& 1.4
1.2 \& 0.0\%
\(0.0 \%\) \& 4,260.6
\(8,762.8\) \& \[
\begin{aligned}
\& 1.5 \\
\& 1.5
\end{aligned}
\] \& \[
\begin{aligned}
\& 0.0 \% \\
\& 0.0 \% \\
\& 0
\end{aligned}
\] \& \(4,260.5\)
\(8,762.7\) \& \[
\begin{aligned}
\& 1.6 \\
\& 1.4
\end{aligned}
\] \& 0.0\%
\(0.0 \%\) \& \(4,260.3\)
\(8,762.6\) \& \[
\begin{aligned}
\& 1.9 \\
\& 1.5
\end{aligned}
\] \& - \(0.0 \%\) \& 4,260.2
\(8,762.5\) \& 2.0
1.6 \& 0.0\%
\(0.0 \%\) \& 4,260.1
\(8,762.3\) \& 2.1
1.9 \& 0.0\% \\
\hline me 1 \& 485942 \& 2009 \& Critical \& March \& -- \& 9,882.4 \& 9,881.3 \& 1.2 \& 0.0\% \& 9,881.1 \& 1.3 \& 0.0\% \& 9,881.0 \& 1.4 \& 0.0\% \& 9,880.8 \& 1.6 \& 0.0\% \& 9,880.7 \& 1.7 \& 0.0\% \& 9,880.6 \& 1.9 \& 0.0\% \\
\hline ME1 \& 485942 \& 2009 \& Critical \& April \& - \& 5,261.8 \& 5,259.7 \& 2.1 \& 0.0\% \& 5,259.5 \& 2.3 \& 0.0\% \& 5,259.3 \& 2.5 \& 0.0\% \& 5,259.0 \& 2.8 \& 0.1\% \& 5,258.8 \& 3.0 \& 0.1\% \& 5,258.6 \& 3.2 \& 0.1\% \\
\hline ME1 \& 485942 \& 2009 \& Critical \& May \& - \& 5,086.0 \& 5,082.8 \& 3.2 \& 0.1\% \& 5,082.4 \& 3.6 \& 0.1\% \& 5,082.1 \& 3.9 \& 0.1\% \& 5,081.8 \& 4.2 \& 0.1\% \& 5,081.5 \& 4.5 \& 0.1\% \& 5,081.1 \& 4.9 \& 0.1\% \\
\hline ME1 \& 485942 \& 2009 \& Critical \& June \& - \& 2,809.6 \& 2,804.9 \& 4.7 \& 0.2\% \& 2,804.4 \& 5.2 \& 0.2\% \& 2,803.9 \& 5.7 \& 0.2\% \& \(2,803.5\)
10758 \& 6.1 \& 0.2\% \& 2,803.0 \& 6.6 \& 0.2\% \& 2,802.5 \& 7.1 \& 0.3\% \\
\hline ME1 \& 485942 \& 2009 \& Critical \& July \& - \& 1,181.8 \& 1,177.2 \& 4.6 \& 0.4\% \& 1,176.7 \& 5.1 \& 0.4\% \& 1,176.3 \& 5.6 \& 0.5\% \& 1,175.8 \& 6.0 \& 0.5\% \& 1,175.3 \& 6.5 \& 0.5\% \& 1,174.9 \& 6.9 \& 0.6\% \\
\hline ME1 \& 485942 \& 2009 \& Critical \& August \& -- \& 600.9 \& 597.0 \& 3.9 \& 0.6\% \& 596.6 \& 4.3 \& 0.7\% \& 596.2 \& 4.7 \& 0.8\% \& 595.8 \& 5.1 \& 0.8\% \& 595.4 \& 5.5 \& 0.9\% \& 595.0 \& 5.8 \& 1.0\% \\
\hline ME1 \& 485942 \& 2009 \& Critical \& September \& U Used in Summary Table Analysis \& 329.5 \& 326.3 \& 3.2 \& 1.0\% \& 326.0 \& 3.5 \& 1.1\% \& 325.6 \& 3.8 \& 1.2\% \& \({ }^{325.3}\) \& 4.2 \& 1.3\% \& 325.0 \& 4.5 \& 1.4\% \& 324.7 \& 4.8 \& \({ }^{1.5 \%}\) \\
\hline ME1 \& 485942
485942 \& 2010
2010 \& Below Normal
Below Normal \& October \& Used in Summary Table Analysis \& 273.2 \& 270.9 \& 2.3 \& 0.2\% \& 970.7
2.110 .3 \& 2.5
19 \& 0.3\% \& 970.5
20101 \& 2.8
21 \& 0.3\% \& 970.2 \& 3.0
2.2 \& 0.3\% \& 970.0
21098 \& \begin{tabular}{l}
3.2 \\
\hline 23
\end{tabular} \& 0.3\% \& 999.8
21096 \& \& 0.4\% \\
\hline ME1 \& 485942
48592 \& 2010 \& Below Normal
Below Normal \& November \& Used in Summary Table Analysis \& 2,112.2
\(5,849.7\) \& 2,110.4
\(5,848.3\) \& 1.7
1.4 \& 0.1\% \& \(2,110.3\)
\(5,848.1\) \& \[
\begin{aligned}
\& 1.9 \\
\& 1.5
\end{aligned}
\] \& \[
\begin{aligned}
\& 0.1 \% \\
\& 0.0 \%
\end{aligned}
\] \& \[
\begin{aligned}
\& 2,111.1 \\
\& 5,848.0
\end{aligned}
\] \& \[
\begin{aligned}
\& 2.1 \\
\& 1.6
\end{aligned}
\] \& 0.10\% \& \(2,110.0\)
\(5,847.8\) \& 2.2
1.9 \& 0.1\% \& 2,109.8
\(5,847.7\) \& 2.3
2.0 \& 0.1\% \& 2,1099
\(5,847.6\) \& 2.5
2.1 \& 0.0.0\% \\
\hline ME1 \& 48592 \& 2010 \& Below Normal \& January \& -- \& 17,463.0 \& 17,460.6 \& 2.3 \& 0.0\% \& 17,460.6 \& 2.3 \& 0.0\% \& 17,460.6 \& 2.3 \& 0.0\% \& 17,460.6 \& 2.3 \& 0.0\% \& 17,460.6 \& 2.3 \& 0.0\% \& 17,460.6 \& 2.3 \& 0.0\% \\
\hline ME1 \& 48592 \& 2010 \& Below Normal \& February \& \& 15,397.0 \& 15,395.8 \& 1.2 \& 0.0\% \& 15,395.8 \& 1.2 \& 0.0\% \& 15,394.7 \& 2.3 \& 0.0\% \& 15,394.7 \& 2.3 \& 0.0\% \& 15,394.7 \& 2.3 \& 0.0\% \& 15,394.7 \& 2.3 \& 0.0\% \\
\hline ME1 \& 48592 \& 2010 \& Below Normal \& March \& - \& 12,664.4 \& 12,663.2 \& 1.2 \& 0.0\% \& 12,662.0 \& 2.3 \& 0.0\% \& 12,662.0 \& 2.3 \& 0.0\% \& 12,662.0 \& 2.3 \& 0.0\% \& 12,662.0 \& 2.3 \& 0.0\% \& 12,66.0 \& 2.3 \& 0.0\% \\
\hline ME1 \& 48592 \& 2010 \& Below Normal \& April \& - \& 16,857.6 \& 16,856.5 \& 1.2 \& 0.0\% \& 16,856.5 \& 1.2 \& 0.0\% \& 16,856.5 \& 1.2 \& 0.0\% \& 16,855.3 \& 2.3 \& 0.0\% \& \(16,855.3\)
13,593 \& 2.3 \& 0.0\% \& 16,855.3 \& 2.3 \& 0.0\% \\
\hline ME1 \& 48592 \& 2010 \& Below Normal \& May \& - \& 13,597.2 \& 13,594.9 \& 2.3 \& 0.0\% \& 13,594.9 \& 2.3 \& 0.0\% \& 13,593.8 \& 3.5 \& 0.0\% \& 13,593.8 \& 3.5 \& 0.0\% \& 13,593.8 \& 3.5 \& 0.0\% \& 13,593.8 \& 3.5 \& 0.0\% \\
\hline ME1 \& 485942 \& 2010 \& Below Normal \& June \& - \& 5,529.2 \& 5,524.7 \& 4.5 \& 0.1\% \& 5,524.2 \& 5.0
4 \& \({ }^{0.1 \%}\) \& 5,523.8
1
1350.5 \& 5.3
5.1 \& \({ }^{0.1 \%}\) \& 5,523.4
1350. \& 5.8
54 \& 0.1\% \& \begin{tabular}{l}
\(5,522.9\) \\
1 \\
\hline 1497
\end{tabular} \& 6.3
5.9 \& 0.1\%
\(0.4 \%\) \& 5,522.5
\(1,349.3\) \& 6.7
6.3 \& 0.1\%
\(0.5 \%\) \\
\hline ME1 \& 485942 \& 2010 \& Below Normal \& July \& - \& 1,355.6 \& 1,351.4 \& 4.2 \& 0.3\% \& 1,350.9 \& 4.6 \& 0.3\% \& 1,350.5 \& 5.1 \& 0.4\% \& 1,350.1 \& 5.4 \& 0.4\% \& 1,349.7 \& 5.9 \& 0.4\% \& 1,349.3 \& 6.3 \& 0.5\% \\
\hline ME1 \& 485942 \& 2010 \& Below Normal \& August \& -- \& 485.5 \& 482.0 \& 3.5 \& 0.7\% \& 481.6 \& 3.9 \& \({ }^{0.8 \%}\) \& 481.3 \& 4.2
34 \& \({ }^{0.9 \%}\) \& 480.9 \& 4.6 \& 0.9\% \& 480.6
3080 \& 4.9 \& \({ }_{\text {1.0\% }}\) \& 480.2 \& 5.3
4.3 \& 1.1\% \\
\hline ME1 \& 485942
485942 \& 2010 \& Below Normal
Wet \& September
October \& r Used in Summary Table Analysis \& \begin{tabular}{l}
312.0 \\
\(2,33.4\) \\
\hline
\end{tabular} \& 309.2
2,331.4 \& 2.9
2.1 \& 0.9\% \& 308.9
2,31.3 \& 3.2
2.2 \& 1.0\% \& 308.6
\(2,331.0\) \& 3.4
2.4 \& 1.1\% \& \begin{tabular}{l}
308.3 \\
\(2,330.8\) \\
\hline
\end{tabular} \& 3.7
2.7 \& 1.2\% \& 308.0
\(2,330.6\) \& 4.0
2.9 \& \(1.3 \%\)
\(0.1 \%\) \& 307.7
\(2,330.4\) \& 4.3
3.0 \& 1.4\% \\
\hline ME1 \& 485942 \& 2011 \& Wet \& November \& Used in Summary Table Analysis \& 7,879.3 \& 7,877.8 \& 1.5 \& 0.0\% \& 7,877.7 \& 1.6 \& 0.0\% \& 7,877.4 \& 1.9 \& 0.0\% \& 7,877.3 \& 2.0 \& 0.0\% \& 7,877.2 \& 2.1 \& 0.0\% \& 7,877.1 \& 2.2 \& 0.0\% \\
\hline ME1 \& 485942 \& 2011 \& Wet \& December \& \& 15,506.9 \& 15,505.8 \& 1.2 \& 0.0\% \& 15,505.8 \& 1.2 \& 0.0\% \& 15,505.8 \& 1.2 \& 0.0\% \& 15,505.8 \& 1.2 \& 0.0\% \& 15,505.8 \& 1.2 \& 0.0\% \& 15,505.8 \& 1.2 \& 0.0\% \\
\hline ME1 \& 485942 \& 2011 \& Wet \& January \& \& 10,557.5 \& 10,556.3 \& 1.3 \& 0.0\% \& 10,556.1 \& 1.4 \& 0.0\% \& 10,556.0 \& 1.5 \& 0.0\% \& 10,555.9 \& 1.6 \& 0.0\% \& 10,55.8 \& 1.7 \& 0.0\% \& 10,555.7 \& 1.9 \& 0.0\% \\
\hline ME1 \& 485942 \& 2011 \& Wet \& February \& - \& 9,999,1

22853 \& 9,917.8
22854, \& 1.3 \& 0.0\% \&  \& 1.4 \& 0.0\% \& 9,917.6 \& 1.5 \& 0.0\% \& 9,917.5 \& ${ }_{1.6}^{1.6}$ \& 0.0\% \& 9,917.4
22853 \& 1.7 \& 0.0\% \& 9,9917.2 \& 1.9 \& 0.0\% <br>
\hline ME1 \& 485942 \& 2011 \& Wet \& March \& - \& 22,855.3 \& 22,854.2 \& 1.2 \& 0.0\% \& 22,854.2 \& 1.2 \& 0.0\% \& 22,854.2 \& 1.2 \& 0.0\% \& 22,853.0 \& 2.3 \& 0.0\% \& 22,853.0 \& 2.3 \& 0.0\% \& 22,853.0 \& 2.3 \& 0.0\% <br>
\hline ME1 \& 485942 \& 2011 \& Wet \& April \& - \& 13,56.0 \& 13,564.8 \& 1.2 \& 0.0\% \& 13,564.8 \& 1.2 \& 0.0\% \& 13,564.8 \& 1.2 \& 0.0\% \& 13,564.8 \& 1.2 \& 0.0\% \& 13,564.8 \& 1.2 \& 0.0\% \& 13,564.8 \& 1.2 \& 0.0\% <br>
\hline ME1 \& 485942 \& 2011 \& Wet \& May \& - \& 6,486.5 \& 6,484.0 \& 2.4 \& 0.0\% \& 6,483.8 \& 2.7 \& 0.0\% \& 6,483.6 \& 2.9 \& 0.0\% \& 6,483.3 \& 3.1 \& 0.0\% \& 6,483.0 \& 3.5 \& 0.1\% \& 6,482.8 \& 3.7 \& 0.1\% <br>
\hline
\end{tabular}

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  |  |  |  |  |  | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) | Water Year | Water Year Type | Month | Note | Without Pumping (cfs) | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference |
| ME1 | 485942 | 2011 | Wet | June | - | 3,838.4 | 3,833.9 | 4.5 | 0.1\% | 3,833.6 | 4.9 | 0.1\% | 3,883.1 | 5.3 | 0.1\% | 3,832.6 | 5.8 | 0.2\% | 3,832.2 | 6.3 | 0.2\% | 3,831.7 | 6.7 | 0.2\% |
| ME1 | 485942 | 2011 | wet | July | - | 1,607.1 | 1,602.9 | 4.2 | 0.3\% | 1,602.4 | 4.6 | 0.3\% | 1,602.0 | 5.1 | 0.3\% | 1,601.6 | 5.4 | 0.3\% | 1,601.2 | 5.9 | 0.4\% | 1,600.7 | 6.4 | 0.4\% |
| ME1 | 485942 | 2011 | Wet | August | -- | 697.9 | 694.3 | 3.5 | 0.5\% | 694.0 | 3.9 | 0.6\% | 693.6 | 4.2 | 0.6\% | 693.3 | 4.6 | 0.7\% | 692.9 | 5.0 | 0.7\% | 692.6 | 5.3 | 0.8\% |
| ME1 | 48592 | 2011 | Wet | September | Used in Summary Table Analysis | 364.6 | 361.6 | 3.0 | 0.8\% | 361.3 | 3.3 | 0.9\% | 361.0 | 3.6 | 1.0\% | 360.7 | 3.9 | 1.1\% | 360.4 | 4.2 | 1.2\% | 360.1 | 4.5 | 1.2\% |
| ME1 | 485942 | 2012 | Below Normal | October | Used in Summary Table Analysis | 937.1 | 935.0 | 2.1 | 0.2\% | 934.8 | 2.3 | 0.2\% | 934.6 | 2.5 | 0.3\% | 934.4 | 2.8 | 0.3\% | 934.1 | 3.0 | 0.3\% | 933.9 | 3.2 | 0.3\% |
| ME1 | 485942 | 2012 | Below Normal | November | Used in Summary Table Analysis | 3,262.0 | 3,260.5 | 1.5 | 0.0\% | 3,260.3 | 1.7 | 0.1\% | 3,260.2 | 1.9 | 0.1\% | 3,260.0 | 2.1 | 0.1\% | 3,259.8 | 2.2 | 0.1\% | 3,259.7 | 2.3 | 0.1\% |
| ME1 | 48592 | 2012 | Below Normal | December | -- | 3,152.4 | 3,150.9 | 1.5 | 0.0\% | 3,150.8 | 1.6 | 0.1\% | 3,150.7 | 1.7 | 0.1\% | 3,150.6 | 1.9 | 0.1\% | 3,150.5 | 2.0 | 0.1\% | 3,150.2 | 2.2 | 0.1\% |
| ME1 | 48592 | 2012 | Below Normal | January | -- | 8,226.9 | 8,225.5 | 1.4 | 0.0\% | 8,225.3 | 1.5 | 0.0\% | 8,225.2 | 1.6 | 0.0\% | 8,225.1 | 1.7 | 0.0\% | 8,225.0 | 1.9 | 0.0\% | 8,224.8 | 2.1 | 0.0\% |
| ME1 | 485942 | 2012 | Below Normal | February | -- | 11,417.8 | 11,416.6 | 1.3 | 0.0\% | 11,416.3 | 1.5 | 0.0\% | 11,416.2 | 1.6 | 0.0\% | 11,416.1 | 1.7 | 0.0\% | 11,416.0 | 1.9 | 0.0\% | 11,415.9 | 2.0 | 0.0\% |
| ME1 | 485942 | 2012 | Below Normal | March | -- | 19,726.9 | 19,725.7 | 1.2 | 0.0\% | 19,725.7 | 1.2 | 0.0\% | 19,725.7 | 1.2 | 0.0\% | 19,725.7 | 1.2 | 0.0\% | 19,724.5 | 2.3 | 0.0\% | 19,724.5 | 2.3 | 0.0\% |
| me1 | 485942 | 2012 | Below Normal | April | - | 14,141.2 | 14,140.0 | 1.2 | 0.0\% | 14,140.0 | 1.2 | 0.0\% | 14,138.9 | 2.3 | 0.0\% | 14,138.9 | 2.3 | 0.0\% | 14,138.9 | 2.3 | 0.0\% | 14,138.9 | 2.3 | 0.0\% |
| ME1 | 485942 | 2012 | Below Normal | May | - | 5,384.5 | 5,382.1 | 2.4 | 0.0\% | 5,381.8 | 2.7 | 0.0\% | 5,381.6 | 2.9 | 0.1\% | 5,381.4 | 3.1 | 0.1\% | 5,381.1 | 3.4 | 0.1\% | 5,380.9 | 3.6 | 0.1\% |
| ME1 | 485942 | 2012 | Below Normal | June | - | 2,398.5 | 2,393.9 | 4.6 | 0.2\% | 2,393.4 | 5.1 | 0.2\% | 2,392.9 | 5.6 | 0.2\% | 2,392.5 | 6.0 | 0.3\% | 2,392.0 | 6.5 | 0.3\% | 2,391.6 | 6.9 | 0.3\% |
| me 1 | 485942 | 2012 | Below Normal | July | - | 1,095.7 | 1,091.7 | 4.0 | 0.4\% | 1,091.3 | 4.4 | 0.4\% | 1,090.9 | 4.8 | 0.4\% | 1,090.5 | 5.2 | 0.5\% | 1,090.1 | 5.6 | 0.5\% | 1,089.7 | 6.0 | 0.5\% |
| ME1 | 485942 | 2012 | Below Normal | August | -- | 307.0 | 303.9 | 3.2 | 1.0\% | 303.6 | 3.5 | 1.1\% | 303.2 | 3.8 | 1.2\% | 302.9 | 4.1 | 1.3\% | 302.6 | 4.5 | 1.5\% | 302.3 | 4.8 | 1.6\% |
| me1 | 485942 | 2012 | Below Normal | September | Used in Summary Table Analysis | 177.2 | 174.6 | 2.6 | 1.5\% | 174.4 | 2.9 | 1.6\% | 174.1 | 3.1 | 1.8\% | 173.8 | 3.4 | 1.9\% | 173.6 | 3.7 | 2.1\% | 173.3 | 3.9 | 2.2\% |
| me 1 | 485942 | 2013 | Below Normal | October | Used in Summary Table Analysis | 383.0 | 381.0 | 2.0 | 0.5\% | 380.8 | 2.2 | 0.6\% | 380.6 | 2.4 | 0.6\% | 380.4 | 2.6 | 0.7\% | 380.2 | 2.8 | 0.7\% | 380.0 | 3.0 | 0.8\% |
| ME1 | 485942 | 2013 | Below Normal | November | Used in Summary Table Analysis | 4,894.1 | 4,892.7 | 1.4 | 0.0\% | 4,892.5 | 1.6 | 0.0\% | 4,892.4 | 1.7 | 0.0\% | 4,892.2 | 1.9 | 0.0\% | 4,892.0 | 2.1 | 0.0\% | 4,891.9 | 2.2 | 0.0\% |
| me 1 | 485942 | 2013 | Below Normal | December |  | 27,238.4 | 27,237.3 | 1.2 | 0.0\% | 27,237.3 | 1.2 | 0.0\% | 27,237.3 | 1.2 | 0.0\% | 27,237.3 | 1.2 | 0.0\% | 27,236.1 | 2.3 | 0.0\% | 27,236.1 | 2.3 | 0.0\% |
| ME1 | 485942 | 2013 | Below Normal | January | -- | 17,191.0 | 17,189.8 | 1.2 | 0.0\% | 17,189.8 | 1.2 | 0.0\% | 17,189.8 | 1.2 | 0.0\% | 17,188.7 | 2.3 | 0.0\% | 17,188.7 | 2.3 | 0.0\% | 17,188.7 | 2.3 | 0.0\% |
| me1 | 485942 | 2013 | Below Normal | February | -- | 5,690.4 | 5,689.0 | 1.4 | 0.0\% | 5,688.9 | 1.5 | 0.0\% | 5,688.8 | 1.6 | 0.0\% | 5,688.7 | 1.7 | 0.0\% | 5,688.5 | 1.9 | 0.0\% | 5,688.4 | 2.0 | 0.0\% |
| me 1 | 485942 | 2013 | Below Normal | March | -- | 4,554.6 | 4,553.2 | 1.4 | 0.0\% | 4,553.1 | 1.5 | 0.0\% | 4,553.0 | 1.6 | 0.0\% | 4,552.9 | 1.7 | 0.0\% | 4,552.8 | 1.9 | 0.0\% | 4,552.7 | 2.0 | 0.0\% |
| ME1 | 485942 | 2013 | Below Normal | April | - | 3,843,3 | 3,841.0 | 2.3 | 0.1\% | 3,840.7 | 2.5 | 0.1\% | 3,840.5 | 2.8 | 0.1\% | 3,840.3 | 3.0 | 0.1\% | 3,840.2 | 3.1 | 0.1\% | 3,839.9 | 3.4 | 0.1\% |
| me 1 | 48592 | 2013 | Below Normal | May | - | 2,103.9 | 2,100.6 | 3.4 | 0.2\% | 2,100.2 | 3.7 | 0.2\% | 2,100.0 | 3.9 | 0.2\% | 2,099.7 | 4.3 | 0.2\% | 2,099.3 | 4.6 | 0.2\% | 2,099.0 | 5.0 | 0.2\% |
| ME1 | 485942 | 2013 | Below Normal | June | - | 1,083.1 | 1,079.1 | 4.1 | 0.4\% | 1,078.7 | 4.5 | 0.4\% | 1,078.3 | 4.9 | 0.4\% | 1,077.8 | 5.3 | 0.5\% | 1,077.4 | 5.7 | 0.5\% | 1,077.0 | 6.1 | 0.6\% |
| me1 | 485942 | 2013 | Below Normal | July | - | 643.4 | 639.2 | 4.2 | 0.7\% | 638.7 | 4.6 | 0.7\% | 638.3 | 5.0 | 0.8\% | 637.9 | 5.5 | 0.8\% | 637.5 | 5.9 | 0.9\% | 637.1 | 6.3 | 1.0\% |
| ME1 | 485942 | 2013 | Below Normal | August | -- | 274.0 | 27.5 | 3.4 | 1.3\% | 270.2 | 3.8 | 1.4\% | 269.8 | 4.1 | 1.5\% | 269.5 | 4.5 | 1.6\% | 269.2 | 4.8 | 1.8\% | 268.8 | 5.1 | 1.9\% |
| ME1 | 48592 | 2013 | Below Normal | September | Used in Summary Table Analysis | 874.8 | 871.7 | 3.1 | 0.4\% | 871.3 | 3.5 | 0.4\% | 871.0 | 3.8 | 0.4\% | 870.7 | 4.1 | 0.5\% | 870.4 | 4.4 | 0.5\% | 870.1 | 4.7 | 0.5\% |
| me 1 | 48592 | 2014 | Critical | October | Used in Summary Table Analysis | 191.3 | 189.3 | 2.0 | 1.1\% | 189.1 | 2.2 | 1.2\% | 188.9 | 2.4 | 1.3\% | 188.7 | 2.6 | 1.4\% | 188.4 | 2.8 | 1.5\% | 188.3 | 3.0 | 1.6\% |
| ME1 | 485942 | 2014 | Critical | November | Used in Summary Table Analysis | 353.9 | 352.4 | 1.5 | 0.4\% | 352.2 | 1.7 | 0.5\% | 352.1 | 1.8 | 0.5\% | 351.9 | 2.0 | 0.6\% | 351.7 | 2.2 | 0.6\% | 351.6 | 2.3 | 0.7\% |
| ME1 | 485942 | 2014 | Critical | December |  | 649.6 | 648.2 | 1.4 | 0.2\% | 648.1 | 1.5 | 0.2\% | 648.0 | 1.7 | 0.3\% | 647.8 | 1.8 | 0.3\% | 647.7 | 1.9 | 0.3\% | 647.5 | 2.1 | 0.3\% |
| ME1 | 485942 | 2014 | Critical | January | -- | 963.2 | 961.9 | 1.3 | 0.1\% | 961.7 | 1.4 | 0.1\% | 961.6 | 1.5 | 0.2\% | 961.5 | 1.7 | 0.2\% | 961.4 | 1.8 | 0.2\% | 961.2 | 1.9 | 0.2\% |
| ME1 | 48592 | 2014 | Critical | February | -- | 5,726.6 | 5,725.5 | 1.2 | 0.0\% | 5,725.3 | 1.3 | 0.0\% | 5,725.2 | 1.4 | 0.0\% | 5,725.1 | 1.5 | 0.0\% | 5,725.0 | 1.6 | 0.0\% | 5,724.9 | 1.7 | 0.0\% |
| me 1 | 485942 | 2014 | Critical | March | -- | 16,438.7 | 16,437.5 | 1.2 | 0.0\% | 16,437.5 | 1.2 | 0.0\% | 16,437.5 | 1.2 | 0.0\% | 16,437.5 | 1.2 | 0.0\% | 16,437.5 | 1.2 | 0.0\% | 16,437.5 | 1.2 | 0.0\% |
| ME 1 | 485942 | 2014 | Critical | April | - | 9,298.5 | 9,296.3 | 2.2 | 0.0\% | 9,296.1 | 2.4 | 0.0\% | 9,295.8 | 2.7 | 0.0\% | 9,295.7 | 2.8 | 0.0\% | 9,295.5 | 3.0 | 0.0\% | 9,295.3 | 3.2 | 0.0\% |
| ME1 | 485942 | 2014 | Critical | May | - | 3,299.0 | 3,295.7 | 3.2 | 0.1\% | 3,295.4 | 3.6 | 0.1\% | 3,295.0 | 3.9 | 0.1\% | 3,294.7 | 4.3 | 0.1\% | 3,294.4 | 4.5 | 0.1\% | 3,294.1 | 4.9 | 0.1\% |
| ME1 | 485942 48594 | 2014 | ${ }^{\text {critical }}$ | June | - | $1,064.5$ 4809 | 1,059.6 | 4.9 | ${ }^{0.5 \%}$ | $1,059.1$ <br> 4758 <br> 18.2 | 5.4 | ${ }^{0.5 \%}$ | $1,058.6$ 453 | 5.9 | ${ }^{0.6 \%}$ | 1,058.1 | 6.4 | 0.6\% | 1,057.6 | 6.9 6 | 0.6\% | $1,057.1$ | 7.4 | 0.7\% |
| ME1 | 48592 | 2014 | Critical | July | - | 480.9 | 476.2 | 4.6 | 1.0\% | 475.8 | 5.1 | 1.1\% | 475.3 | 5.6 | 1.2\% | 474.8 | 6.0 | 1.3\% | 474.4 | 6.5 | 1.4\% | 473.9 | 7.0 | 1.4\% |
| ME1 | 485942 | 2014 | Critical | August | -- | 286.9 | 283.1 | 3.9 | 1.3\% | 282.7 | 4.2 | 1.5\% | 282.3 | 4.6 | 1.6\% | 281.9 | 5.0 | 1.7\% | 281.6 | 5.4 | 1.9\% | 281.2 | 5.8 | 2.0\% |
| ME 1 | 485942 | 2014 | Critical | September | Used in Summary Table Analysis | 437.7 | 434.6 | 3.1 | 0.7\% | 434.3 | 3.4 | 0.8\% | 434.0 | 3.8 | 0.9\% | 433.7 | 4.1 | 0.9\% | 433.3 | 4.4 | 1.0\% | ${ }^{433.0}$ | 4.7 | 1.1\% |
| ME1 | 48592 | 2015 | Dry | October | Used in Summary Table Analysis | 2,948.5 | 2,946.3 | 2.2 | 0.1\% | 2,946.1 | 2.4 | 0.1\% | 2,945.8 | 2.7 | 0.1\% | 2,945.6 | 2.9 | 0.1\% | 2,945.4 | 3.1 | 0.1\% | 2,945.1 | 3.4 | 0.1\% |
| ME1 | 485942 | 2015 | Dry | November | Used in Summary Table Analysis | 4,721.2 | ${ }^{4,719.6}$ | 1.6 | 0.0\% | 4,719.4 | 1.7 | 0.0\% | 4,719.3 | 1.9 | 0.0\% | $4,719.1$ +16793 | 2.1 | 0.0\% | 4,719.0 4,7593 | 2.2 1.2 | 0.0\% $0.0 \%$ | 4,718.9 16759.3 | 2.3 1.2 | 0.0\% $0.0 \%$ $0.0 \%$ |
| ME1 | 48592 | 2015 | Dry | December |  | 16,760.4 | 16,759.3 | 1.2 | 0.0\% | 16,759.3 | 1.2 | 0.0\% | 16,759.3 | 1.2 | 0.0\% | 16,759.3 | 1.2 | 0.0\% | 16,759.3 | 1.2 | 0.0\% | 16,759.3 | 1.2 | 0.0\% |
| ME1 | 485942 | 2015 | Dry | ${ }^{\text {January }}$ | -- | $12,089.1$ <br> 11.914 .4 <br> 1 | $12,088.0$ $11,913,2$ | 1.2 1.2 | 0.0\% $0.0 \%$ $0.0 \%$ | $12,088.0$ $11.913,2$ | 1.2 1.2 | 0.0\% $0.0 \%$ 0 | $12,086.8$ $11,913.2$ 17 | 2.3 1.2 | 0.0\% $0.0 \%$ 0.0 | $12,086.8$ 11.9132 17 | 2.3 1.2 | 0.0\% 0.0\% | $12,086.8$ $11,913.2$ 1,3 | 2.3 1.2 | 0.0\% 0.0\% | $12,086.8$ $11,913.2$ 1 | 2.3 1.2 | 0.0\% $0.0 \%$ |
| ME1 | 485942 48592 | 2015 2015 | Dry Dry | February March | -- | $11,914.4$ $7,366.3$ | $11,913.2$ $7,365.2$ | 1.2 1.2 | 0.0\% | $11,913.2$ $7,365.0$ | 1.2 1.3 | 0.0\% | $11,913.2$ $7,364.9$ | 1.2 1.4 | 0.0\% | $11,913.2$ $7,364.8$ | 1.2 1.5 | 0.0\% | $11,913.2$ $7,364.7$ | 1.2 1.6 | 0.0\% | $11,913.2$ $7,364.5$ | 1.2 1.9 | 0.0\% |
| ME1 | 485942 | 2015 | Dry | April | -- | 3,743.2 | 3,741.1 | 2.1 | 0.1\% | 3,740.9 | 2.3 | 0.1\% | 3,740.6 | 2.5 | 0.1\% | 3,740.4 | 2.8 | 0.1\% | 3,740.2 | 3.0 | 0.1\% | 3,739.9 | 3.2 | 0.1\% |
| ME1 | 48592 | 2015 | Dry | May | - | 1,363.3 | 1,360.1 | 3.2 | 0.2\% | 1,359.8 | 3.5 | 0.3\% | 1,359.5 | 3.8 | 0.3\% | 1,359.1 | 4.2 | 0.3\% | 1,358.8 | 4.5 | 0.3\% | 1,358.4 | 4.9 | 0.4\% |
| ME1 | 485942 | 2015 | Dry | June | - | 470.7 | 466.0 | 4.7 | 1.0\% | 465.6 | 5.2 | 1.1\% | 465.1 | 5.6 | 1.2\% | 464.6 | ${ }^{6.1}$ | 1.3\% | 464.1 | 6.6 | 1.4\% | 463.7 | 7.0 | 1.5\% |
| ME1 | 48592 | 2015 | Dry | July | - | 208.0 | 203.4 | 4.6 | 2.2\% | 203.0 | 5.0 | 2.4\% | 202.5 | 5.5 | 2.6\% | 202.1 | 5.9 | 2.9\% | 201.6 | 6.4 | 3.1\% | 201.2 | 6.9 | 3.3\% |
| ME1 | 48592 | 2015 | Dry | August | -- | 108.6 | 104.8 | 3.9 | 3.6\% | 104.4 | 4.3 | 3.9\% | 104.0 | 4.7 | 4.3\% | 103.6 | 5.0 | 4.6\% | 103.2 | 5.4 | 5.0\% | 102.8 | 5.8 | 5.4\% |
| ME1 | 485942 | 2015 | Dry | September | Used in Summary Table Analysis | 66.3 | 63.1 | 3.2 | 4.8\% | 62.8 | 3.5 | 5.3\% | 62.5 | 3.8 | 5.7\% | 62.2 | 4.1 | 6.2\% | 61.8 | 4.4 | 6.7\% | 61.5 | 4.8 | 7.2\% |
| me1 | 485942 | 2016 | Above Normal | October | Used in Summary Table Analysis | 40.4 | 38.2 | 2.2 | 5.5\% | 38.0 | 2.4 | 6.0\% | 37.7 | 2.6 | 6.5\% | 37.5 | 2.9 | 7.1\% | 37.3 | 3.1 | 7.6\% | 37.1 | 3.3 | ${ }^{8.2 \%}$ |
| me 1 | 485942 | 2016 | Above Normal | November | Used in Summary Table Analysis | 750.2 | 788.6 | 1.6 | 0.2\% | 748.5 | 1.8 | 0.2\% | 748.3 | 2.0 | 0.3\% | 748.1 | 2.1 | 0.3\% | 748.0 | 2.3 | 0.3\% | 747.8 | 2.4 | 0.3\% |
| ME1 | 485942 | 2016 | Above Normal | December |  | 16,076.4 | 16,075.2 | 1.2 | 0.0\% | 16,075.2 | 1.2 | 0.0\% | $16,075.2$ 35,66. | 1.2 | 0.0\% | $16,075.2$ S55.6. | 1.2 | 0.0\% | $16,074.1$ 35651 | 2.3 2.3 | 0.0\% | $16,074.1$ 356551 | $\begin{array}{r}2.3 \\ \hline 23\end{array}$ | 0.0\% |
| ME1 | 485942 | 2016 | Above Normal | January |  | 35,657.4 | 35,65.3 | 1.2 | 0.0\% | 35,656.3 | 1.2 | 0.0\% | 35,656.3 | 1.2 | 0.0\% | 35,655.1 | 2.3 | 0.0\% | 35,655.1 | 2.3 | 0.0\% | 35,655.1 | 2.3 | 0.0\% |
| ME1 | 485942 | 2016 | Above Normal | February | - | 18,644.7 | 18,643.5 | 1.2 | 0.0\% | 18,642.4 | 2.3 | 0.0\% | 18,642.4 | 2.3 | 0.0\% | 18,642.4 | 2.3 | 0.0\% | 18,642.4 | 2.3 | 0.0\% | 18,642.4 | 2.3 | 0.0\% |
| ME 1 | 485942 485942 | 2016 2016 | Above Normal Above Normal | $\underset{\substack{\text { March } \\ \text { April }}}{\text { a }}$ | $\cdots$ | $21,141.2$ $12,746.5$ | $21,140.0$ $12,755.4$ | 1.2 1.2 | 0.0\% $0.0 \%$ | $21,140.0$ $12,745.4$ | 1.2 1.2 | 0.0\% $0.0 \%$ | $21,140.0$ $12,755.4$ | 1.2 1.2 | 0.0\% $0.0 \%$ | $21,140.0$ $12,745.4$ | 1.2 1.2 | 0.0\% $0.0 \%$ | 21,138.9 $12,745.4$ | 2.3 1.2 | 0.0\% $0.0 \%$ | $21,138.9$ $12,745.4$ | 2.3 1.2 | 0.0\% $0.0 \%$ |
| ME1 | 485942 | 2016 | Above Normal | May | - | 3,929.9 | 3,928.2 | 1.6 | 0.0\% | 3,928.0 | 1.9 | 0.0\% | 3,927.9 | 2.0 | 0.1\% | 3,927.7 | 2.2 | 0.1\% | 3,927.5 | 2.3 | 0.1\% | 3,927.4 | 2.4 | 0.1\% |
| ME1 | 485942 | 2016 | Above Normal | June | - | 1,416.8 | 1,413.1 | 3.7 | 0.3\% | 1,412.6 | 4.2 | 0.3\% | 1,412.3 | 4.5 | 0.3\% | 1,411.9 | 4.9 | 0.3\% | 1,411.6 | 5.2 | 0.4\% | 1,411.2 | 5.6 | 0.4\% |
| ME1 | 48592 | 2016 | Above Normal | July | - | 748.9 | 744.8 | 4.2 | 0.6\% | 744.4 | 4.6 | 0.6\% | 743.9 | 5.0 | 0.7\% | 743.5 | 5.4 | 0.7\% | 743.1 | 5.8 | 0.8\% | 742.7 | 6.2 | 0.8\% |
| ME 1 | 485942 | 2016 | Above Normal | August | Hedinsumay Tabe Anays | ${ }^{425.6}$ | 422.0 | 3.6 | 0.9\% | ${ }_{221.6}$ | 4.0 | 0.9\% | 421.3 | 4.3 | 1.0\% | 420.9 | 4.7 | 1.1\% | 420.5 | 5.1 | ${ }^{1.2 \%}$ | 420.2 | 5.4 | ${ }^{1.3 \%}$ |
|  | 485942 | 2016 | Above Normal | September | Used in Summary Table Analysis | 266.6 | 263.6 | 3.0 | 1.1\% | 263.3 | 3.3 | 1.2\% | 263.0 | 3.6 | 1.3\% | 262.7 | 3.9 | 1.5\% | 262.4 | 4.2 | 1.6\% | 262.1 | 4.5 | 1.7\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month | Note | FlowWithoutPumping (cfs) | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Flow (cfs) |  |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference | Flow (cfs)Flow <br> Difference <br> (cfs) |  | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \end{gathered}$ (cfs) | $\begin{gathered} \text { Percent } \\ \text { Difference } \end{gathered}$ |
| ME1 | 485942 | 2017 | Wet |  | ctober | Used in Summary Table Analysis | 5,119.6 | 5,117.6 | 2.0 | 0.0\% | 5,117.5 | 2.1 | 0.0\% | 5,117.2 | 2.3 | 0.0\% | 5,117.0 | 2.5 | 0.0\% | 5,116.9 | 2.7 | 0.1\% | 5,116.7 | 2.9 | 0.1\% |
| ME1 | 485942 | 2017 | Wet | November | Used in Summary Table Analysis | 11,107.6 | 11,106.3 | 1.4 | 0.0\% | 11,106.0 | 1.6 | 0.0\% | 11,105.9 | 1.7 | 0.0\% | 11,105,8 | 1.9 | 0.0\% | 11,105.7 | 2.0 | 0.0\% | 11,105.4 | 2.2 | 0.0\% |
| ME1 | 485942 | 2017 | Wet | December - |  | 14,188.7 | 14,187.5 | 1.2 | 0.0\% | 14,187.5 | 1.2 | 0.0\% | 14,187.5 | 1.2 | 0.0\% | 14,187.5 | 1.2 | 0.0\% | 14,186.3 | 2.3 | 0.0\% | 14,186.3 | 2.3 | 0.0\% |
| ME1 | 485942 | 2017 | Wet | January | -- | 70,483.8 | 70,482.6 | 1.2 | 0.0\% | 70,482.6 | 1.2 | 0.0\% | 70,482.6 | 1.2 | 0.0\% | 70,481.5 | 2.3 | 0.0\% | 70,481.5 | 2.3 | 0.0\% | 70,481.5 | 2.3 | 0.0\% |
| ME1 | 485942 | 2017 | Wet | February | -- | 47,223.4 | 47,222.2 | 1.2 | 0.0\% | 47,221.1 | 2.3 | 0.0\% | 47,221.1 | 2.3 | 0.0\% | 47,221.1 | 2.3 | 0.0\% | 47,221.1 | 2.3 | 0.0\% | 47,221.1 | 2.3 | 0.0\% |
| ME1 | 485942 | 2017 | Wet | March | -- | 20,575.2 | 20,574.1 | 1.2 | 0.0\% | 20,574.1 | 1.2 | 0.0\% | 20,574.1 | 1.2 | 0.0\% | 20,574.1 | 1.2 | 0.0\% | 20,574.1 | 1.2 | 0.0\% | 20,574.1 | 1.2 | 0.0\% |
| ME1 | 48592 | 2017 | Wet | April | - | 14,496.5 | 14,494.2 | 2.3 | 0.0\% | 14,494.2 | 2.3 | 0.0\% | 14,994.2 | 2.3 | 0.0\% | 14,494.2 | 2.3 | 0.0\% | 14,994.2 | 2.3 | 0.0\% | 14,494.2 | 2.3 | 0.0\% |
| ME1 | 48592 | 2017 | Wet | May | - | 6,069.6 | 6,067.8 | 1.7 | 0.0\% | 6,067.6 | 2.0 | 0.0\% | 6,067.5 | 2.1 | 0.0\% | 6,067.2 | 2.3 | 0.0\% | 6,067.0 | 2.5 | 0.0\% | 6,066.9 | 2.7 | 0.0\% |
| ME1 | 485942 | 2017 | Wet | June | - | 1,903.5 | 1,899.8 | 3.7 | 0.2\% | 1,899.4 | 4.1 | 0.2\% | 1,899.1 | 4.4 | 0.2\% | 1,898.7 | 4.7 | 0.2\% | 1,898.4 | 5.1 | 0.3\% | 1,897.9 | 5.6 | 0.3\% |
| ME1 | 485942 | 2017 | Wet | July | - | 859.1 | 854.9 | 4.3 | 0.5\% | 854.5 | 4.7 | 0.5\% | 854.0 | 5.1 | 0.6\% | 853.6 | 5.5 | 0.6\% | 853.2 | 6.0 | 0.7\% | 852.7 | 6.4 | 0.7\% |
| me1 | 485942 | 2017 | Wet | August | -- | 436.1 | 432.5 | 3.7 | 0.8\% | 432.1 | 4.0 | 0.9\% | 431.7 | 4.4 | 1.0\% | 431.4 | 4.8 | 1.1\% | 43.0 | 5.1 | 1.2\% | 430.6 | 5.5 | 1.3\% |
| ME1 | 48592 | 2017 | Wet | September | Used in Summary Table Analysis | 260.1 | 257.2 | 2.9 | 1.1\% | 257.0 | 3.2 | 1.2\% | 256.7 | 3.4 | 1.3\% | 256.4 | 3.7 | 1.4\% | 256.1 | 4.0 | 1.5\% | 255.8 | 4.3 | 1.7\% |
| ME1 | 48592 | 2018 | Above Normal | October | Used in Summary Table Analysis | 204.5 | 202.4 | 2.1 | 1.0\% | 202.2 | 2.3 | 1.1\% | 202.0 | 2.5 | 1.2\% | 201.8 | 2.7 | 1.3\% | 201.6 | 2.9 | 1.4\% | 201.3 | 3.1 | 1.5\% |
| me 1 | 485942 | 2018 | Above Normal | November | Used in Summary Table Analysis | 3,327.1 | 3,325.6 | 1.5 | 0.0\% | 3,325.5 | 1.6 | 0.0\% | 3,325.3 | 1.7 | 0.1\% | 3,325.1 | 2.0 | 0.1\% | 3,325.0 | 2.1 | 0.1\% | 3,324.9 | 2.2 | 0.1\% |
| ME1 | 485942 | 2018 | Above Normal | December - |  | 4,802.0 | 4,800.7 | 1.3 | 0.0\% | 4,800.6 | 1.4 | 0.0\% | 4,800.5 | 1.5 | 0.0\% | 4,800.3 | 1.6 | 0.0\% | 4,800.1 | 1.9 | 0.0\% | 4,800.0 | 2.0 | 0.0\% |
| me1 | 485942 | 2018 | Above Normal | January | -- | 8,196.1 | 8,194.9 | 1.2 | 0.0\% | 8,194.8 | 1.3 | 0.0\% | 8,194.7 | 1.4 | 0.0\% | 8,194.4 | 1.6 | 0.0\% | 8,194.3 | 1.7 | 0.0\% | 8,194.2 | 1.9 | 0.0\% |
| ME1 | 48592 | 2018 | Above Normal | February | -- | 6,842.5 | 6,841.3 | 1.2 | 0.0\% | 6,841.2 | 1.3 | 0.0\% | 6,841.1 | 1.4 | 0.0\% | 6,841.0 | 1.5 | 0.0\% | 6,840.9 | 1.6 | 0.0\% | 6,840.7 | 1.7 | 0.0\% |
| ME1 | 485942 | 2018 | Above Normal | March | - | 10,756.9 | 10,755.8 | 1.2 | 0.0\% | 10,755.7 | 1.3 | 0.0\% | 10,755.6 | 1.4 | 0.0\% | 10,755.4 | 1.5 | 0.0\% | 10,755.3 | 1.6 | 0.0\% | 10,755.2 | 1.7 | 0.0\% |
| me 1 | 485942 | 2018 | Above Normal | April | - | 14,372.7 | 14,371.5 | 1.2 | 0.0\% | 14,371.5 | 1.2 | 0.0\% | 14,371.5 | 1.2 | 0.0\% | 14,371.5 | 1.2 | 0.0\% | 14,370.4 | 2.3 | 0.0\% | 14,370.4 | 2.3 | 0.0\% |
| ME1 | 485942 | 2018 | Above Normal | May | - | 6,248.8 | 6,246.6 | 2.2 | 0.0\% | 6,246.4 | 2.4 | 0.0\% | 6,246.2 | 2.7 | 0.0\% | 6,245.9 | 2.9 | 0.0\% | 6,245.7 | 3.1 | 0.1\% | 6,245.6 | 3.2 | 0.1\% |
| me1 | 485942 | 2018 | Above Normal | June | - | 1,836.6 | 1,832.3 | 4.3 | 0.2\% | 1,831.8 | 4.7 | 0.3\% | 1,831.5 | 5.1 | 0.3\% | 1,831.0 | 5.6 | 0.3\% | 1,830.6 | 6.0 | 0.3\% | 1,830.1 | 6.5 | 0.4\% |
| me 1 | 485942 | 2018 | Above Normal | July | - | 712.4 | 708.2 | 4.2 | 0.6\% | 707.8 | 4.6 | 0.6\% | 707.3 | 5.0 | 0.7\% | 706.9 | 5.4 | 0.8\% | 706.5 | 5.9 | 0.8\% | 706.1 | 6.3 | 0.9\% |
| ME1 | 485942 | 2018 | Above Normal | August |  | 377.6 | 374.2 | 3.4 | 0.9\% | 373.8 | 3.8 | 1.0\% | 373.5 | 4.1 | 1.1\% | ${ }^{373.1}$ | 4.4 | 1.2\% | 372.8 | 4.8 | 1.3\% | 372.5 | 5.1 | 1.4\% |
| me 1 | 48592 | 2018 | Above Normal | September | Used in Summary Table Analysis | 242.6 | 239.7 | 2.9 | 1.2\% | 239.4 | 3.2 | 1.3\% | 239.1 | 3.4 | 1.4\% | 238.8 | 3.7 | 1.5\% | 238.6 | 4.0 | 1.7\% | 238.3 | 4.3 | 1.8\% |
| ME1 | 485942 | 2019 | Below Normal | October | Used in Summary Table Analysis | 138.6 | 136.7 | 1.9 | 1.4\% | 136.5 | 2.1 | 1.5\% | 136.3 | 2.3 | 1.7\% | 136.1 | 2.5 | 1.8\% | 135.9 | 2.7 | 1.9\% | 135.7 | 2.9 | 2.1\% |
| me1 | 485942 | 2019 | Below Normal | November | Used in Summary Table Analysis | 1,844.0 | 1,842.5 | 1.5 | 0.1\% | 1,842.4 | 1.6 | 0.1\% | 1,842.2 | 1.7 | 0.1\% | 1,842.0 | 2.0 | 0.1\% | 1,841.9 | 2.1 | 0.1\% | 1,841.8 | 2.2 | 0.1\% |
| ME1 | 485942 | 2019 | Below Normal | December |  | 7,209.6 | 7,208.3 | 1.3 | 0.0\% | 7,208.2 | 1.4 | 0.0\% | 7,208.1 | 1.5 | 0.0\% | 7,208.0 | 1.6 | 0.0\% | 7,207.9 | 1.7 | 0.0\% | 7,207.8 | 1.9 | 0.0\% |
| ME1 | 485942 | 2019 | Below Normal | January | -- | 18,292.8 | 18,291.7 | 1.2 | 0.0\% | 18,291.7 | 1.2 | 0.0\% | 18,291.7 | 1.2 | 0.0\% | 18,291.7 | 1.2 | 0.0\% | 18,291.7 | 1.2 | 0.0\% | 18,291.7 | 1.2 | 0.0\% |
| me 1 | 48592 | 2019 | Below Normal | February | -- | 96,401.6 | 96,400.5 | 1.2 | 0.0\% | 96,400.5 | 1.2 | 0.0\% | 96,400.5 | 1.2 | 0.0\% | 96,400.5 | 1.2 | 0.0\% | 96,400.5 | 1.2 | 0.0\% | 96,400.5 | 1.2 | 0.0\% |
| ME1 | 48592 | 2019 | Below Normal | March | -- | 31,516.2 | 31,515.0 | 1.2 | 0.0\% | 31,515.0 | 1.2 | 0.0\% | 31,515.0 | 1.2 | 0.0\% | 31,515.0 | 1.2 | 0.0\% | 31,515.0 | 1.2 | 0.0\% | 31,515.0 | 1.2 | 0.0\% |
| ME1 | 485942 | 2019 | Below Normal | April | - | 11,655.1 | 11,653.9 | 1.2 | 0.0\% | 11,653.9 | 1.2 | 0.0\% | 11,653.9 | 1.2 | 0.0\% | 11,653.9 | 1.2 | 0.0\% | 11,652.8 | 2.3 | 0.0\% | 11,652.8 | 2.3 | 0.0\% |
| ME1 | 485942 | 2019 | Below Normal | May | - | 9,765.9 | 9,763.4 | 2.4 | 0.0\% | 9,763.2 | 2.7 | 0.0\% | 9,762.8 | 3.0 | 0.0\% | 9,762.6 | 3.2 | 0.0\% | 9,762.4 | 3.5 | 0.0\% | 9,762.2 | 3.7 | 0.0\% |
| ME1 | 48592 | 2019 | Below Normal | June | - | 4,163.0 | 4,158.6 | 4.4 | 0.1\% | 4,158.1 | 4.9 | 0.1\% | 4,157.6 | 5.3 | 0.1\% | 4,157.2 | 5.8 | 0.1\% | 4,156.7 | 6.3 | 0.2\% | 4,156.4 | 6.6 | 0.2\% |
| me 1 | 485942 | 2019 | Below Normal | July | - | 1,277.9 | 1,273.7 | 4.2 | 0.3\% | 1,273.3 | 4.6 | 0.4\% | 1,272.8 | 5.1 | 0.4\% | 1,272.5 | 5.4 | 0.4\% | 1,272.0 | 5.9 | 0.5\% | 1,271.5 | 6.4 | 0.5\% |
| me1 | 485942 | 2019 | Below Normal | August | 兂 | 524.3 | 520.8 | 3.6 | 0.7\% | 520.4 | 3.9 | 0.7\% | 520.1 | 4.3 | 0.8\% | 519.7 | 4.6 | ${ }^{\text {0.9\% }}$ | 519.4 | 5.0 | 0.9\% | 519.0 3197 | 5.3 | 1.0\% |
| ME1 | 485942 | 2019 | Below Normal | September | Used in Summary Table Analysis | 320.9 | ${ }^{318.1}$ | 2.8 | 0.9\% | 317.8 | 3.1 | 1.0\% | 317.5 | 3.4 | 1.0\% | 317.2 | 3.6 | 1.1\% | 316.9 | 3.9 | 1.2\% | ${ }^{316.7}$ | 4.2 | 1.3\% |
| ME1 | 485942 48594 | 2020 | Dry | October | Used in Summary Table Analysis | 185.8 | 184.0 2007 | 1.9 | 1.0\% | 183.8 | 2.0 | 1.1\% | 183.6 | 2.2 | ${ }^{1.2 \%}$ | 183.4 | 2.4 | ${ }^{1.3 \%}$ | 183.2 | 2.6 | ${ }^{1.4 \%}$ | 183.0 | 2.8 | ${ }^{1.5 \%}$ |
| ME1 | 48592 | 2020 | Dry | November | Used in Summary Table Analysis | 211.2 | 209.7 | 1.5 | 0.7\% | 209.6 | 1.6 | 0.8\% | 209.4 | 1.7 | 0.8\% | 209.3 | 1.9 | 0.9\% | 209.1 | 2.0 | 1.0\% | 209.0 | 2.2 | 1.0\% |
| me 1 | 485942 | 2020 | Dry | December - |  | 4,921.1 | 4,919.9 | 1.2 | 0.0\% | 4,919.8 | 1.3 | 0.0\% | 4,919.7 | 1.4 | 0.0\% | 4,919.4 | 1.6 | 0.0\% | 4,919.3 | 1.7 | 0.0\% | 4,919.2 | 1.9 | 0.0\% |
| ME1 | 485942 | 2020 | Dry | January | -- | 12,928.2 | 12,927.1 | 1.2 | 0.0\% | 12,927.1 | 1.2 | 0.0\% | 12,927.1 | 1.2 | 0.0\% | 12,927.1 | 1.2 | 0.0\% | 12,927.1 | 1.2 | 0.0\% | 12,927.1 | 1.2 | 0.0\% |
| ME1 | 48592 | 2020 | Dry | February |  | 7,144.3 | 7,143.2 | 1.2 | 0.0\% | 7,143.1 | 1.3 | 0.0\% | 7,142.9 | 1.4 | 0.0\% | 7,142.8 | 1.5 | 0.0\% | 7,142.7 | 1.6 | 0.0\% | 7,142.6 | 1.7 | 0.0\% |
| ME1 1 | 485942 | 2020 | Dry | March | -- | $\begin{array}{r}4,944.1 \\ \hline\end{array}$ | 4,493, ${ }^{\text {4, }}$ | 1.0 | 0.0\% | 4,492.9 | 1.2 | 0.0\% | 4,492.8 | 1.3 <br> 25 | 0.0\% | $4,4922.7$ <br> 2390 | 1.4 | ${ }^{0.0 \%}$ | $4,4929.6$ 3 | 1.5 2.9 | 0.0\% $0.1 \%$ | $4,492.5$ $3,238.7$ $3,46.2$ | 1.6 3.1 | 0.0\% $0.1 \%$ |
| me1 | 485942 | 2020 | Dry | April | - | 3,241.8 | 3,239.7 | 2.1 | 0.1\% | 3,239.5 | 2.3 | 0.1\% | 3,239.2 | 2.5 | 0.1\% | 3,239.0 | 2.8 | 0.1\% | 3,238.9 | 2.9 | 0.1\% | 3,238.7 | 3.1 | 0.1\% |
| ME1 | 485942 | 2020 | Dry | May | - | 3,883.7 | 3,480.6 | 3.1 | 0.1\% | 3,480.3 | 3.4 | 0.1\% | 3,480.0 | 3.7 | 0.1\% | 3,479.6 | 4.1 | 0.1\% | 3,479.3 | 4.4 | 0.1\% | 3,479.1 | 4.6 | 0.1\% |
| ME1 | 485942 | 2020 | Dry | June | - | 2,012.3 | 2,007.6 | 4.6 | 0.2\% | 2,007.2 | 5.1 | 0.3\% | 2,006.7 | 5.6 | 0.3\% | 2,006.3 | 6.0 | 0.3\% | 2,005.8 | 6.5 | 0.3\% |  | 6.9 71 | 0.3\% 10\% 1.8 |
| ME1 | 48592 | 2020 | Dry | July | - | 731.9 | 727.2 | 4.8 | 0.6\% | 726.7 | 5.2 | 0.7\% | 726.2 | 5.7 | 0.8\% | 725.8 | 6.2 | 0.8\% | 725.3 | 6.7 | 0.9\% | 724.8 | 7.1 | ${ }^{1.0 \%}$ |
| ME 1 | 485942 | 2020 | Dry | August | r Used in Summary Table Analysis | 340.2 1920 | 336.1 1886 | ${ }^{4.1}$ | 1.2\% | 335.6 188. 188 | 4.5 3 | 1.3\% | 335.2 <br> 1880 <br> 180 | 4.9 | ${ }^{1.4 \%}$ | 334.8 <br> 1876 | 5.3 43 | $1.6 \%$ <br> $2.3 \%$ | 334.4 <br> 187.3 | 5.7 4.7 | $1.7 \%$ <br> $2.4 \%$ | 334.0 1870 | 6.1 5.0 | $1.8 \%$ <br> $2.6 \%$ <br> 18 |
| ME1 | 48592 | 2020 | Dry | September | Used in Summary Table Analysis | 192.0 | 188.6 | 3.3 | 1.7\% | 188.3 | 3.7 | 1.9\% | 188.0 | 4.0 | 2.1\% | 187.6 | 4.3 | 2.3\% | 187.3 | 4.7 | 2.4\% | 187.0 | 5.0 | 2.6\% |
| ME1 | 47591 47591 | 2000 200 | Above Normal Above Normal | October | Used in Summary Table Analysis |  | 789.8 11778.9 10.672 | 3.8 3 3 | 0.5\% $0.0 \%$ $0.0 \%$ | 789.4 11778.9 | 4.2 3.5 | 0.5\% $0.0 \%$ | 789.1 11,777.8 | 4.6 4.6 | 0.6\% $0.0 \%$ | 788.7 $11,777.8$ | 5.0 4.6 | 0.6\% $0.0 \%$ | 788.3 <br> $11,777.8$ | 5.3 4.6 | 0.7\% $0.0 \%$ | 787.9 $11,777.8$ | 5.7 4.6 | 0.7\% $0.0 \%$ |
| ME 1 | 47591 47591 | 2000 | Above Normal Above Normal | November | Used in Summary Table Analysis | $11,782.4$ $10,629.5$ | $11,778.9$ $10,627.2$ | 3.5 2.3 | 0.0\% | $11,778.9$ $10,626.9$ | 3.5 2.7 | 0.0\% | $11,777.8$ $10,626.6$ | 4.6 2.9 | 0.0\% | $11,777.8$ $10,626.4$ | 4.6 3.1 | 0.0\% | $11,777.8$ $10,626.2$ | 4.6 3.4 | 0.0\% | $11,777.8$ $10,625.9$ | 4.6 3.6 | 0.0\% |
| ME1 | 47591 | 2000 | Above Normal | January | -- | 28,012.7 | 28,010.4 | 2.3 | 0.0\% | 28,010.4 | 2.3 | 0.0\% | 28,010.4 | 2.3 | 0.0\% | 28,010.4 | 2.3 | 0.0\% | 28,010.4 | 2.3 | 0.0\% | 28,009.3 | 3.5 | 0.0\% |
| ME1 | 47591 | 2000 | Above Normal | February |  | 36,671.3 | 36,699.0 | 2.3 | 0.0\% | 36,69.0 | 2.3 | 0.0\% | 36,669.0 | 2.3 | 0.0\% | 36,699.0 | 2.3 | 0.0\% | 36,669.0 | 2.3 | 0.0\% | 36,667.8 | 3.5 | 0.0\% |
| me 1 | 47591 | 2000 | Above Normal | March | -- | 18,199.1 | 18,196.8 | 2.3 | 0.0\% | 18,196.8 | 2.3 | 0.0\% | 18,196.8 | 2.3 | 0.0\% | 18,195.6 | 3.5 | 0.0\% | 18,195.6 | 3.5 | 0.0\% | 18,195.6 | 3.5 | 0.0\% |
| ME1 | 47591 | 2000 | Above Normal | April | - | 12,224.5 | 12,222.2 | 2.3 | 0.0\% | 12,222.2 | 2.3 | 0.0\% | 12,222.2 | 2.3 | 0.0\% | 12,222.2 | 2.3 | 0.0\% | 12,221.1 | 3.5 | 0.0\% | 12,221.1 | 3.5 | 0.0\% |
| ME1 | 47591 | 2000 | Above Normal | May | - | 7,019.1 | 7,014.0 | 5.1 | 0.1\% | 7,013.5 | 5.6 | 0.1\% | 7,013.0 | 6.1 | 0.1\% | 7,012.5 | 6.6 | 0.1\% | 7,011.9 | 7.2 | 0.1\% | 7,011.5 | 7.6 | 0.1\% |
| ME1 | 47591 | 2000 | Above Normal | June | - | 2,579.7 | 2,571.8 | 8.0 | 0.3\% | 2,570.9 | 8.8 | 0.3\% | 2,570.1 | 9.6 | 0.4\% | 2,569.3 | 10.4 | 0.4\% | 2,568.5 | 11.2 | 0.4\% | 2,567.7 | 12.0 | 0.5\% |
| ME1 | 47591 | 2000 | Above Normal | July | - | 975.2 | 968.8 | 6.3 | 0.6\% | 968.2 | 7.0 | 0.7\% | 967.6 | 7.6 | 0.8\% | 966.9 | 8.2 | 0.8\% | 966.3 | 8.9 | ${ }^{\text {0.9\% }}$ | 965.7 | ${ }^{9.5}$ | ${ }^{1.0 \%}$ |
| ME1 | 47591 | 2000 | Above Normal | August | -- | 504.5 | 49.0 | 5.5 | 1.1\% | 498.4 | 6.1 | 1.2\% | 497.9 | 6.6 | 1.3\% | 497.3 | 7.2 | 1.4\% | 496.8 | 7.7 | 1.5\% | 496.2 | 8.3 | 1.6\% |
| ME1 | 47591 | 2000 | Above Normal | September | Used in Summary Table Analysis | 279.8 | 275.1 | 4.6 | 1.7\% | 274.7 | 5.1 | 1.8\% | 274.2 | 5.5 | 2.0\% | 273.8 | 6.0 | 2.1\% | 273.3 | 6.5 | 2.3\% | 272.8 | 6.9 | 2.5\% |
| ME1 | 47591 | 2001 | Dry | October | Used in Summary Table Analysis | 3,734.6 | 3,730.9 | 3.7 | 0.1\% | 3,730.4 | 4.2 | 0.1\% | 3,730.1 | 4.5 | 0.1\% | 3,729.7 | 4.9 | 0.1\% | 3,729.4 | 5.2 | 0.1\% | 3,728.9 | 5.7 | 0.2\% |
| ME1 | 47591 | 2001 | Dry | November | Used in Summary Table Analysis | 5,999.5 | 5,992.7 | 2.8 | 0.0\% | 5,992.4 | 3.1 | 0.1\% | 5,992.1 | 3.4 | 0.1\% | 5,991.8 | 3.7 | 0.1\% | 5,991.6 | 3.9 | 0.1\% | 5,991.2 | 4.3 | 0.1\% |
| ME 1 | 47591 | 2001 | Dry | December |  | 8,7093 125975 | $8,706.9$ 12.595 | 2.3 | 0.0\% | 8,706.7 12,56. | 2.5 | 0.0\% | ${ }_{8}^{8,706.5}$ | 2.8 | 0.0\% | $8,706.3$ <br> 12551 | 3.0 | 0.0\% | 8,705.9 | 3.4 | 0.0\% | 8,705.7 | 3.6 | 0.0\% |
| ME1 | 47591 | 2001 | Dry | January |  | 12,547.5 | 12,545.1 | 2.3 | 0.0\% | 12,545.1 | 2.3 | 0.0\% | 12,545.1 | 2.3 | 0.0\% | 12,545.1 | 2.3 | 0.0\% | 12,545.1 | 2.3 | 0.0\% | 12,544.0 | 3.5 | 0.0\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | FlowWithout Pumping (cfs) | Existing Conditions |  |  | umping |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \end{aligned}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | $\begin{gathered} \text { Percent } \\ \text { Difference } \end{gathered}$ |
| ME1 | 47591 | 2001 | Dry |  | February | -- | 17,317.1 | 17,314.8 | 2.3 | 0.0\% | 17,314.8 | 2.3 | 0.0\% | 17,314.8 | 2.3 | 0.0\% | 17,313.7 | 3.5 | 0.0\% | 17,313.7 | 3.5 | 0.0\% | 17,313.7 | 3.5 | 0.0\% |
| ME1 | 47591 | 2001 | Dry | March | - | 12,215.3 | 12,213.0 | 2.3 | 0.0\% | 12,213.0 | 2.3 | 0.0\% | 12,213.0 | 2.3 | 0.0\% | 12,213.0 | 2.3 | 0.0\% | 12,213,0 | 2.3 | 0.0\% | 12,213,0 | 2.3 | 0.0\% |
| ME1 | 47591 | 2001 | Dry | April | - | 10,886.3 | 10,880.9 | 5.4 | 0.0\% | 10,880.4 | 5.9 | 0.1\% | 10,879.9 | 6.5 | 0.1\% | 10,879.4 | 6.9 | 0.1\% | 10,878.8 | 7.5 | 0.1\% | 10,878.2 | 8.1 | 0.1\% |
| ME1 | 47591 | 2001 | Dry | May | - | 2,631.4 | 2,625.5 | 5.9 | 0.2\% | 2,624.8 | 6.6 | 0.3\% | 2,624.2 | 7.2 | 0.3\% | 2,623.6 | 7.8 | 0.3\% | 2,623.0 | 8.3 | 0.3\% | 2,622.5 | 8.9 | 0.3\% |
| ME1 | 47591 | 2001 | Dry | June | - | 2,592.8 | 2,583.8 | 9.0 | 0.3\% | 2,583.0 | 9.8 | 0.4\% | 2,582.1 | 10.8 | 0.4\% | 2,581.1 | 11.7 | 0.5\% | 2,580.2 | 12.6 | 0.5\% | 2,579.4 | 13.4 | 0.5\% |
| ME1 | 47591 | 2001 | Dry | July | - | 709.8 | 702.5 | 7.2 | 1.0\% | 701.8 | 8.0 | 1.1\% | 701.1 | 8.7 | 1.2\% | 700.4 | 9.4 | 1.3\% | 699.7 | 10.1 | 1.4\% | 699.0 | 10.8 | 1.5\% |
| ME1 | 47591 | 2001 | Dry | August | -- | 159.5 | 152.9 | 6.6 | 4.1\% | 152.2 | 7.2 | 4.5\% | 151.6 | 7.9 | 5.0\% | 150.9 | 8.6 | 5.4\% | 150.3 | 9.2 | 5.8\% | 149.6 | 9.9 | 6.2\% |
| ME1 | 47591 | 2001 | Dry | September | Used in Summary Table Analysis | 81.6 | 76.0 | 5.6 | 6.9\% | 75.4 | 6.2 | 7.6\% | 74.8 | 6.7 | 8.2\% | 74.3 | 7.3 | 8.9\% | 73.7 | 7.8 | 9.6\% | 73.2 | 8.4 | 10.3\% |
| ME1 | 47591 | 2002 | Below Normal | October | Used in Summary Table Analysis | 249.6 | 244.9 | 4.7 | 1.9\% | 244.4 | 5.2 | 2.1\% | 243.9 | 5.7 | 2.3\% | 243.5 | 6.1 | 2.5\% | 24.0 | 6.6 | 2.6\% | 242.5 | 7.1 | 2.8\% |
| ME1 | 47591 | 2002 | Below Normal | November | Used in Summary Table Analysis | 11,855.3 | 11,851.9 | 3.5 | 0.0\% | 11,850.7 | 4.6 | 0.0\% | 11,850.7 | 4.6 | 0.0\% | 11,850.7 | 4.6 | 0.0\% | 11,849.5 | 5.8 | 0.0\% | 11,849.5 | 5.8 | 0.0\% |
| ME1 | 47591 | 2002 | Below Normal | December |  | 35,173.6 | 35,170.1 | 3.5 | 0.0\% | 35,170.1 | 3.5 | 0.0\% | 35,170.1 | 3.5 | 0.0\% | 35,170.1 | 3.5 | 0.0\% | 35,169.0 | 4.6 | 0.0\% | 35,169.0 | 4.6 | 0.0\% |
| ME1 | 47591 | 2002 | Below Normal | January | -- | 30,553.2 | 30,550.9 | 2.3 | 0.0\% | 30,549.8 | 3.5 | 0.0\% | 30,549.8 | 3.5 | 0.0\% | 30,549.8 | 3.5 | 0.0\% | 30,549.8 | 3.5 | 0.0\% | 30,548.6 | 4.6 | 0.0\% |
| ME1 | 47591 | 2002 | Below Normal | February | -- | 24,481.5 | 24,479.2 | 2.3 | 0.0\% | 24,478.0 | 3.5 | 0.0\% | 24,478.0 | 3.5 | 0.0\% | 24,478.0 | 3.5 | 0.0\% | 24,478.0 | 3.5 | 0.0\% | 24,478.0 | 3.5 | 0.0\% |
| ME1 | 47591 | 2002 | Below Normal | March | - | 17,626.2 | 17,623.8 | 2.3 | 0.0\% | 17,622.7 | 3.5 | 0.0\% | 17,622.7 | 3.5 | 0.0\% | 17,622.7 | 3.5 | 0.0\% | 17,622.7 | 3.5 | 0.0\% | 17,622.7 | 3.5 | 0.0\% |
| ME1 | 47591 | 2002 | Below Normal | April | - | 9,863.8 | 9,858.4 | 5.3 | 0.1\% | 9,858.0 | 5.8 | 0.1\% | 9,857.4 | 6.4 | 0.1\% | 9,856.8 | 6.9 | 0.1\% | 9,856.4 | 7.4 | 0.1\% | 9,855.8 | 8.0 | 0.1\% |
| ME1 | 47591 | 2002 | Below Normal | May | - | 3,295.0 | 3,289.2 | 5.8 | 0.2\% | 3,288.7 | 6.4 | 0.2\% | 3,288.1 | 6.9 | 0.2\% | 3,287.5 | 7.5 | 0.2\% | 3,286.9 | 8.1 | 0.2\% | 3,286.2 | 8.8 | 0.3\% |
| ME1 | 47591 | 2002 | Below Normal | June | - | 840.9 | 833.8 | 7.1 | 0.8\% | 833.1 | 7.8 | 0.9\% | 832.4 | 8.6 | 1.0\% | 831.7 | 9.3 | 1.1\% | 831.0 | 10.0 | 1.2\% | 830.3 | 10.7 | 1.3\% |
| ME1 | 47591 | 2002 | Below Normal | July | - | 349.0 | 342.4 | 6.6 | 1.9\% | 341.8 | 7.2 | 2.1\% | 341.1 | 7.9 | 2.3\% | 340.5 | 8.5 | 2.4\% | 339.8 | 9.2 | 2.6\% | 339.2 | 9.8 | 2.8\% |
| ME1 | 47591 | 2002 | Below Normal | August | -- | 211.5 | 205.8 | 5.7 | 2.7\% | 205.2 | 6.3 | 3.0\% | 204.6 | 6.9 | 3.2\% | 204.1 | 7.4 | 3.5\% | 203.5 | 8.0 | 3.8\% | 202.9 | 8.6 | 4.0\% |
| ME1 | 47591 | 2002 | Below Normal | September | Used in Summary Table Analysis | 148.9 | 143.7 | 5.2 | 3.5\% | 143.2 | 5.7 | 3.8\% | 142.7 | 6.2 | 4.2\% | 142.2 | 6.7 | 4.5\% | 141.7 | 7.3 | 4.9\% | 141.2 | 7.8 | 5.2\% |
| ME1 | 47591 | 2003 | Wet | October | Used in Summary Table Analysis | 114.2 | 110.1 | 4.1 | 3.6\% | 109.7 | 4.5 | 4.0\% | 109.2 | 4.9 | 4.3\% | 108.8 | 5.3 | 4.7\% | 108.4 | 5.8 | 5.0\% | 108.0 | 6.2 | 5.4\% |
| ME1 | 47591 | 2003 | Wet | November | Used in Summary Table Analysis | 877.3 | 874.1 | 3.1 | 0.4\% | 873.8 | 3.5 | 0.4\% | 873.5 | 3.8 | 0.4\% | 873.2 | 4.1 | 0.5\% | 872.8 | 4.4 | 0.5\% | 872.5 | 4.7 | 0.5\% |
| ME1 | 47591 | 2003 | Wet | December |  | 55,67.3 | 55,625.0 | 2.3 | 0.0\% | 55,625.0 | 2.3 | 0.0\% | 55,625.0 | 2.3 | 0.0\% | 55,623.8 | 3.5 | 0.0\% | 55,623.8 | 3.5 | 0.0\% | 55,623.8 | 3.5 | 0.0\% |
| ME1 | 47591 | 2003 | Wet | January | -- | 31,280.1 | 31,277.8 | 2.3 | 0.0\% | 31,277.8 | 2.3 | 0.0\% | 31,277.8 | 2.3 | 0.0\% | 31,277.8 | 2.3 | 0.0\% | 31,277.8 | 2.3 | 0.0\% | 31,276.6 | 3.5 | 0.0\% |
| ME1 | 47591 | 2003 | Wet | February | -- | 20,219.9 | 20,217.6 | 2.3 | 0.0\% | 20,217.6 | 2.3 | 0.0\% | 20,216.4 | 3.5 | 0.0\% | 20,216.4 | 3.5 | 0.0\% | 20,216,4 | 3.5 | 0.0\% | 20,216.4 | 3.5 | 0.0\% |
| ME1 | 47591 | 2003 | Wet | March | - | 23,829.9 | 23,827.5 | 2.3 | 0.0\% | 23,827.5 | 2.3 | 0.0\% | 23,827.5 | 2.3 | 0.0\% | 23,827.5 | 2.3 | 0.0\% | 23,827.5 | 2.3 | 0.0\% | 23,827.5 | 2.3 | 0.0\% |
| ME1 | 47591 | 2003 | Wet | April | - | 42,415.5 | 42,414.4 | 1.2 | 0.0\% | 42,414.4 | 1.2 | 0.0\% | 42,413.2 | 2.3 | 0.0\% | 42,413.2 | 2.3 | 0.0\% | 42,413,2 | 2.3 | 0.0\% | 42,413.2 | 2.3 | 0.0\% |
| ME1 | 47591 | 2003 | Wet | May | - | 12,153.9 | 12,148.1 | 5.8 | 0.0\% | 12,147.0 | 6.9 | 0.1\% | 12,147.0 | 6.9 | 0.1\% | 12,145.8 | 8.1 | 0.1\% | 12,145.8 | 8.1 | 0.1\% | 12,145.8 | 8.1 | 0.1\% |
| ME1 | 47591 | 2003 | Wet | June | - | 3,147.1 | 3,140.4 | 6.7 | 0.2\% | 3,139.8 | 7.3 | 0.2\% | 3,139.1 | 8.0 | 0.3\% | 3,138.5 | 8.6 | 0.3\% | 3,137.8 | 9.3 | 0.3\% | 3,137.3 | 9.8 | 0.3\% |
| ME1 | 47591 | 2003 | Wet | July | - | 1,453.8 | 1,447.3 | 6.5 | 0.4\% | 1,446.8 | 7.1 | 0.5\% | 1,446.1 | 7.8 | 0.5\% | 1,445.4 | 8.4 | 0.6\% | 1,444.8 | 9.0 | 0.6\% | 1,444.1 | 9.7 | 0.7\% |
| ME1 | 47591 | 2003 | Wet | August | -- | 741.2 | 735.3 | 5.9 | 0.8\% | 734.7 | 6.5 | 0.9\% | 734.1 | 7.1 | 1.0\% | 733.5 | 7.7 | 1.0\% | 732.9 | 8.3 | 1.1\% | 732.3 | 8.9 | 1.2\% |
| ME1 | 47591 | 2003 | Wet | September | Used in Summary Table Analysis | 440.5 | 435.8 | 4.7 | 1.1\% | 435.4 | 5.2 | 1.2\% | 434.9 | 5.6 | 1.3\% | 434.4 | 6.1 | 1.4\% | 434.0 | 6.6 | 1.5\% | 433.5 | 7.0 | 1.6\% |
| ME1 | 47591 | 2004 | Wet | October | Used in Summary Table Analysis | 307.9 | 304.1 | 3.8 | 1.2\% | 303.8 | 4.2 | 1.3\% | 303.4 | 4.5 | 1.5\% | 303.0 | 4.9 | 1.6\% | ${ }^{302.6}$ | 5.3 | 1.7\% | ${ }_{502.2}$ | 5.7 | 1.8\% |
| ME1 | 47591 | 2004 | Wet | November | Used in Summary Table Analysis | 5,665.9 | 5,663.0 | 2.9 | 0.1\% | 5,662.7 | 3.1 | 0.1\% | 5,662.4 | 3.5 | 0.1\% | 5,662.2 | 3.7 | 0.1\% | 5,661.8 | 4.1 | 0.1\% | 5,661.6 | 4.3 | 0.1\% |
| ME1 | 47591 | 2004 | Wet | December |  | 35,709.5 | 35,707.2 | 2.3 | 0.0\% | 35,707.2 | 2.3 | 0.0\% | 35,707.2 | 2.3 | 0.0\% | 35,707.2 | 2.3 | 0.0\% | 35,706.0 | 3.5 | 0.0\% | 35,706.0 | 3.5 | 0.0\% |
| ME1 | 47591 | 2004 | Wet | January | - | 31,063.7 | 31,061.3 | 2.3 | 0.0\% | 31,061.3 | 2.3 | 0.0\% | 31,061.3 | 2.3 | 0.0\% | 31,060.2 | 3.5 | 0.0\% | 31,060.2 | 3.5 | 0.0\% | 31,060.2 | 3.5 | 0.0\% |
| ME1 | 47591 | 2004 | Wet | February | -- | 37,842.6 | 37,840.3 | 2.3 | 0.0\% | 37,840.3 | 2.3 | 0.0\% | 37,839.1 | 3.5 | 0.0\% | 37,839.1 | 3.5 | 0.0\% | 37,839.1 | 3.5 | 0.0\% | 37,839.1 | 3.5 | 0.0\% |
| ME1 | 47591 | 2004 | Wet | March | - | 16,450.2 | 16,447.9 | 2.3 | 0.0\% | 16,447.9 | 2.3 | 0.0\% | 16,447.9 | 2.3 | 0.0\% | 16,447.9 | 2.3 | 0.0\% | 16,447.9 | 2.3 | 0.0\% | 16,446.8 | 3.5 | 0.0\% |
| ME1 | 47591 | 2004 | Wet | April | - | 9,395.1 | 9,393.4 | 1.7 | 0.0\% | 9,393.2 | 2.0 | 0.0\% | 9,393.1 | 2.1 | 0.0\% | 9,392.8 | 2.3 | 0.0\% | 9,392.7 | 2.4 | 0.0\% | 9,392.5 | 2.7 | 0.0\% |
| ME1 | 47591 | 2004 | Wet | May | - | 3,375.2 | 3,370.0 | 5.2 | 0.2\% | 3,369.4 | 5.8 | 0.2\% | 3,369.0 | 6.3 | 0.2\% | 3,368.4 | 6.8 | 0.2\% | 3,367.9 | 7.3 | 0.2\% | 3,367.4 | 7.9 | 0.2\% |
| ME1 | 47591 | 2004 | Wet | June | - | 679.7 | 673.5 | 6.1 | 0.9\% | 672.9 | 6.7 | 1.0\% | 672.3 | 7.4 | 1.1\% | 671.7 | 8.0 | 1.2\% | 671.1 | 8.6 | 1.3\% | 670.5 | 9.2 | 1.4\% |
| ME1 | 47591 | 2004 | Wet | July | - | 340.2 | 333.9 | 6.4 | 1.9\% | 333.3 | 7.0 | 2.1\% | 332.6 | 7.6 | 2.2\% | 332.0 | 8.3 | 2.4\% | 331.4 | 8.9 | 2.6\% | 330.7 | 9.5 | 2.8\% |
| ME1 | 47591 | 2004 | Wet | August |  | 210.1 | 204.6 | 5.5 | 2.6\% | 204.0 | ${ }^{6.1}$ | 2.9\% | 203.5 | 6.6 | 3.1\% | 202.9 | 7.2 | 3.4\% | 202.3 | 7.7 | 3.7\% | 201.8 | 8.3 | 3.9\% |
| ME1 | 47591 | 2004 | Wet | September | Used in Summary Table Analysis | 148.1 | 142.8 | 5.3 | 3.6\% | 142.3 | 5.9 | 4.0\% | 141.8 | 6.4 | 4.3\% | 141.2 | 6.9 | 4.7\% | 140.7 | 7.5 | 5.0\% | 140.2 | 8.0 | 5.4\% |
| ME1 | 47591 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,505.3 | 7,501.4 | 3.9 | 0.1\% | 7,501.0 | 4.3 | 0.1\% | 7,500.6 | 4.7 | 0.1\% | 7,500.2 | 5.1 | 0.1\% | 7,499.9 | 5.4 | 0.1\% | 7,499.4 | 5.9 | 0.1\% |
| ME1 | 47591 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,229.1 | 2,226.2 | 2.9 | 0.1\% | 2,225.8 | 3.2 | 0.1\% | 2,225.6 | 3.5 | 0.2\% | 2,225.2 | 3.8 | 0.2\% | 2,225.0 | 4.1 | 0.2\% | 2,224.7 | 4.4 | 0.2\% |
| ME1 | 47591 | 2005 | Above Normal | December | -- | 20,525.5 | 20,523.1 | 2.3 | 0.0\% | 20,522.0 | 3.5 | 0.0\% | 20,522.0 | 3.5 | 0.0\% | 20,522.0 | 3.5 | 0.0\% | 20,522.0 | 3.5 | 0.0\% | 20,522.0 | 3.5 | 0.0\% |
| ME1 | 47591 | 2005 | Above Normal | January | - | 21,989.6 | 21,987.3 | 2.3 | 0.0\% | 21,987.3 | 2.3 | 0.0\% | 21,987.3 | 2.3 | 0.0\% | 21,986.1 | 3.5 | 0.0\% | 21,986.1 | 3.5 | 0.0\% | 21,986.1 | 3.5 | 0.0\% |
| ME1 | 47591 | 2005 | Above Normal | February |  | 13,937.5 | 13,935.2 | 2.3 | 0.0\% | 13,935.2 | 2.3 | 0.0\% | 13,935.2 | 2.3 | 0.0\% | 13,935.2 | 2.3 | 0.0\% | 13,934.0 | 3.5 | 0.0\% | 13,934.0 | 3.5 | 0.0\% |
| ME1 | 47591 47591 | 2005 | Above Normal | March | $\cdots$ | $28,265.0$ 21,2454 | $28,263.9$ <br> 21244. <br> 18 | 1.2 | 0.0\% | $28,263.9$ <br> 212431 <br> 18 | 1.2 | 0.0\% | $28,262.7$ <br> 212431 <br> 18 | 2.3 23 | 0.0\% | $28,262.7$ $\begin{aligned} & 112431 \\ & 16351\end{aligned}$ | 2.3 2.3 | 0.0\% | $28,262.7$ $21,243.1$ | 2.3 23 | 0.0\% | $28,262.7$ <br> 212431 <br> 18 | 2.3 2.3 | 0.0\% |
| ME1 | 47591 | 2005 | Above Normal | April | - | 21,245.4 | 21,244.2 | 1.2 | 0.0\% | 21,243.1 | 2.3 | 0.0\% | 21,243.1 | 2.3 | 0.0\% | 21,243.1 | 2.3 | 0.0\% | 21,243.1 | 2.3 | 0.0\% | 21,243.1 | 2.3 | 0.0\% |
| ME1 ME 1 | ${ }_{4}^{47591}$ | 2005 | Above Normal Above Normal | May | $\cdots$ | $19,332.2$ 15,591.4 | $19,327.5$ $15,582.2$ | 4.6 9.3 | - $0.0 \%$ | $19,326.4$ $15,582.2$ | 5.8 9.3 | - | 19,326.4 | 5.8 10.4 | - | $19,325.2$ $15,579.9$ | 6.9 11.6 | - $0.0 \%$ | $19,325.2$ $15,578.7$ | 6.9 12.7 | - 0.0 . | 19,324.1 | 8.1 12.7 | - |
| ME1 | 47591 | 2005 | Above Normal | July | - | 2,856.3 | 2,849.5 | 6.7 | 0.2\% | 2,848.8 | 7.4 | 0.3\% | 2,848.1 | 8.1 | 0.3\% | 2,847.5 | 8.8 | 0.3\% | 2,846.8 | 9.5 | 0.3\% | 2,846.1 | 10.2 | 0.4\% |
| ME1 | 47591 | 2005 | Above Normal | August | -- | 963.7 | 958.1 | 5.5 | 0.6\% | 957.6 | 6.1 | 0.6\% | 957.0 | 6.6 | 0.7\% | 956.5 | 7.2 | 0.7\% | 955.9 | 7.7 | 0.8\% | 955.4 | 8.3 | 0.9\% |
| ME1 | 47591 | 2005 | Above Normal | September | Used in Summary Table Analysis | 505.8 | 501.2 | 4.6 | 0.9\% | 500.7 | 5.1 | 1.0\% | 500.2 | 5.6 | 1.1\% | 499.8 | 6.0 | 1.2\% | 499.3 | 6.5 | 1.3\% | 498.8 | 6.9 | 1.4\% |
| ME1 | 47591 | 2006 | Wet | October | Used in Summary Table Analysis | 613.2 | 609.5 | 3.7 | 0.6\% | 609.1 | 4.1 | 0.7\% | 608.7 | 4.5 | 0.7\% | 608.4 | 4.8 | 0.8\% | 608.0 | 5.2 | 0.8\% | 607.6 | 5.6 | 0.9\% |
| ME1 | 47591 | 2006 | Wet | November | Used in Summary Table Analysis | 9,074.4 | 9,071.6 | 2.8 | 0.0\% | 9,071.4 | 3.0 | 0.0\% | 9,071.1 | 3.4 | 0.0\% | 9,070.8 | 3.6 | 0.0\% | 9,070.6 | 3.8 | 0.0\% | 9,070.3 | 4.2 | 0.0\% |
| ME1 | 47591 | 2006 | Wet | December | -- | 42,744.2 | 42,741.9 | 2.3 | 0.0\% | 42,741.9 | 2.3 | 0.0\% | 42,741.9 | 2.3 | 0.0\% | 42,741.9 | 2.3 | 0.0\% | 42,740,7 | 3.5 | 0.0\% | 42,740.7 | 3.5 | 0.0\% |
| ME1 | 47591 | 2006 | Wet | January | -- | 45,614.6 | 45,612.3 | 2.3 | 0.0\% | 45,612.3 | 2.3 | 0.0\% | 45,612.3 | 2.3 | 0.0\% | 45,611.1 | 3.5 | 0.0\% | 45,611.1 | 3.5 | 0.0\% | 45,611.1 | 3.5 | 0.0\% |
| ME1 | 47591 | 2006 | Wet | February |  | 26,324.1 | 26,321.8 | 2.3 | 0.0\% | 26,321.8 | 2.3 | 0.0\% | 26,321.8 | 2.3 | 0.0\% | 26,320.6 | 3.5 | 0.0\% | 26,320.6 | 3.5 | 0.0\% | 26,320.6 | 3.5 | 0.0\% |
| ME1 | 47591 | 2006 | Wet | March | - | 46,618.1 | 46,616.9 | 1.2 | 0.0\% | 46,615.7 | 2.3 | 0.0\% | 46,615.7 | 2.3 | 0.0\% | 46,615.7 | 2.3 | 0.0\% | 46,615.7 | 2.3 | 0.0\% | 46,615.7 | 2.3 | 0.0\% |
| ME1 | 47591 | 2006 | Wet | April | - | 30,221.8 | $30,209.5$ 14076.4 | 2.3 | 0.0\% | $30,209.5$ 14076.4 | 2.3 | 0.0\% | $30,209.5$ 140764 | 2.3 | 0.0\% | $30,209.5$ 140764 | 2.3 | 0.0\% | $30,209.5$ 140764 | $\begin{array}{r}2.3 \\ \hline 3\end{array}$ | 0.0\% | ${ }^{30,209.5}$ | 2.3 | 0.0\% |
| ME 1 | 47591 | 2006 | Wet | May | - | 14,079.9 | 14,076.4 | 3.5 | 0.0\% | 14,076.4 | 3.5 | 0.0\% | 14,076.4 | 3.5 | 0.0\% | 14,076.4 | 3.5 | 0.0\% | 14,076.4 | 3.5 | 0.0\% | 14,075.2 | 4.6 | 0.0\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  |  |  | Flow Without Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column <br> Surface Water <br> Reach) |  |  | Month | Note |  | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiffew } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\underset{\substack{\text { Fifference } \\ \text { (cfs) }}}{\text { (ction }}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Fifference } \\ \text { (ffs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| ME1 | 47591 | 2006 | Wet | June | -- | 3,529.6 | 3,522.7 | 6.9 | 0.2\% | 3,522.0 | 7.6 | 0.2\% | 3,521.3 | 8.3 | 0.2\% | 3,520.6 | 9.0 | 0.3\% | 3,519.8 | 9.8 | 0.3\% | 3,519.1 | 10.5 | 0.3\% |
| ME1 | 47591 | 2006 | Wet | July | - | 1,256.9 | 1,250.6 | 6.4 | 0.5\% | 1,249.9 | 7.1 | 0.6\% | 1,249.3 | 7.6 | 0.6\% | 1,248.6 | 8.3 | 0.7\% | 1,248.0 | 8.9 | 0.7\% | 1,247.3 | 9.6 | 0.8\% |
| ME1 | 47591 | 2006 | Wet | August | -- | 643.6 | 637.9 | 5.7 | 0.9\% | 637.3 | 6.3 | 1.0\% | 636.7 | 6.9 | 1.1\% | 636.1 | 7.5 | 1.2\% | 635.5 | 8.1 | 1.3\% | 635.0 | 8.6 | 1.3\% |
| ME1 | 47591 | 2006 | Wet | September | Used in Summary Table Analysis | 406.3 | 401.6 | 4.7 | 1.2\% | 401.1 | 5.2 | 1.3\% | 400.6 | 5.7 | 1.4\% | 400.2 | 6.2 | 1.5\% | 399.7 | 6.6 | 1.6\% | 399.2 | 7.1 | 1.7\% |
| ME1 | 47591 | 2007 | Above Normal | October | Used in Summary Table Analysis | 257.4 | 253.6 | 3.8 | 1.5\% | 253.2 | 4.2 | 1.6\% | 252.8 | 4.5 | 1.8\% | 252.5 | 4.9 | 1.9\% | 252.1 | 5.3 | 2.1\% | 251.7 | 5.7 | 2.2\% |
| ME1 | 47591 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,462.5 | 8,459.6 | 2.9 | 0.0\% | 8,459.3 | 3.2 | 0.0\% | 8,459.0 | 3.5 | 0.0\% | 8,458.7 | 3.8 | 0.0\% | 8,458.4 | 4.1 | 0.0\% | 8,458.1 | 4.4 | 0.1\% |
| ME1 | 47591 | 2007 | Above Normal | December | -- | 19,998.8 | 19,995.4 | 3.5 | 0.0\% | 19,995.4 | 3.5 | 0.0\% | 19,995.4 | 3.5 | 0.0\% | 19,995.4 | 3.5 | 0.0\% | 19,994.2 | 4.6 | 0.0\% | 19,994.2 | 4.6 | 0.0\% |
| ME1 | 47591 | 2007 | Above Normal | January | -- | 10,139.1 | 10,136.9 | 2.2 | 0.0\% | 10,136.7 | 2.4 | 0.0\% | 10,136.5 | 2.7 | 0.0\% | 10,136.2 | 2.9 | 0.0\% | 10,136.0 | 3.1 | 0.0\% | 10,135.8 | 3.4 | 0.0\% |
| ME1 | 47591 | 2007 | Above Normal | February | -- | 30,110.0 | 30,107.6 | 2.3 | 0.0\% | 30,107.6 | 2.3 | 0.0\% | 30,107.6 | 2.3 | 0.0\% | 30,107.6 | 2.3 | 0.0\% | 30,106.5 | 3.5 | 0.0\% | 30,106.5 | 3.5 | 0.0\% |
| ME1 | 47591 | 2007 | Above Normal | March | -- | 13,019.7 | 13,017.4 | 2.3 | 0.0\% | 13,017.4 | 2.3 | 0.0\% | 13,016.2 | 3.5 | 0.0\% | 13,016.2 | 3.5 | 0.0\% | 13,016,2 | 3.5 | 0.0\% | 13,016.2 | 3.5 | 0.0\% |
| ME1 | 47591 | 2007 | Above Normal | April | - | 11,457.1 | 11,452.0 | 5.1 | 0.0\% | 11,451.5 | 5.6 | 0.0\% | 11,450.9 | 6.1 | 0.1\% | 11,450.5 | 6.6 | 0.1\% | 11,449.9 | 7.2 | 0.1\% | 11,449.4 | 7.6 | 0.1\% |
| ME1 | 47591 | 2007 | Above Normal | May | - | 4,102.7 | 4,097.0 | 5.7 | 0.1\% | 4,096.4 | 6.3 | 0.2\% | 4,095.8 | 6.8 | 0.2\% | 4,095.3 | 7.4 | 0.2\% | 4,094.7 | 8.0 | 0.2\% | 4,094.1 | 8.6 | 0.2\% |
| ME1 | 47591 | 2007 | Above Normal | June | - | 1,472.0 | 1,464.4 | 7.6 | 0.5\% | 1,463.5 | 8.4 | 0.6\% | 1,462.8 | 9.1 | 0.6\% | 1,462.0 | 10.0 | 0.7\% | 1,461.3 | 10.6 | 0.7\% | 1,460.5 | 11.5 | 0.8\% |
| ME1 | 47591 | 2007 | Above Normal | July | - | 483.1 | 476.2 | 6.9 | 1.4\% | 475.5 | 7.6 | 1.6\% | 474.8 | 8.3 | 1.7\% | 474.1 | 9.0 | 1.9\% | 473.4 | 9.7 | 2.0\% | 472.7 | 10.4 | 2.2\% |
| ME1 | 47591 | 2007 | Above Normal | August | -- | 207.4 | 2018 | 5.6 | 2.7\% | 201.2 | 6.2 | 3.0\% | 200.7 | 6.7 | 3.2\% | 200.1 | 7.3 | 3.5\% | 199.6 | 7.8 | 3.8\% | 19.0 | 8.4 | 4.1\% |
| ME1 | 47591 | 2007 | Above Normal | September | Used in Summary Table Analysis | 135.1 | 133.0 | 5.1 | 3.8\% | 129.5 | 5.6 | 4.2\% | 129.0 | 6.1 | 4.5\% | 128.5 | 6.6 | 4.9\% | 128.0 | 7.1 | 5.3\% | 127.5 | 7.7 | 5.7\% |
| ME1 | 47591 | 2008 | Dry | October | Used in Summary Table Analysis | 3,557.8 | 3,353.7 | 4.1 | 0.1\% | 3,353.2 | 4.5 | 0.1\% | 3,352.9 | 4.9 | 0.1\% | 3,352.5 | 5.2 | 0.2\% | 3,352.1 | 5.7 | 0.2\% | 3,351.7 | 6.0 | 0.2\% |
| ME1 | 47591 | 2008 | Dry | November | Used in Summary Table Analysis | 3,202.0 | 3,199.1 | 2.9 | 0.1\% | 3,198.7 | 3.2 | 0.1\% | 3,198.4 | 3.6 | 0.1\% | 3,198.1 | 3.8 | 0.1\% | 3,197.8 | 4.2 | 0.1\% | 3,197.6 | 4.4 | 0.1\% |
| ME1 | 47591 | 2008 | Dry | December |  | 22,591.4 | 22,588.0 | 3.5 | 0.0\% | 22,58.0 | 3.5 | 0.0\% | 22,588.0 | 3.5 | 0.0\% | 22,588.0 | 3.5 | 0.0\% | 22,586,8 | 4.6 | 0.0\% | 22,586.8 | 4.6 | 0.0\% |
| ME1 | 47591 | 2008 | Dry | January | - | 37,017.4 | 37,015.0 | 2.3 | 0.0\% | 37,015.0 | 2.3 | 0.0\% | 37,015.0 | 2.3 | 0.0\% | 37,013.9 | 3.5 | 0.0\% | 37,013.9 | 3.5 | 0.0\% | 37,013.9 | 3.5 | 0.0\% |
| ME1 | 47591 | 2008 | Dry | February | -- | 26,142.4 | 26,140.0 | 2.3 | 0.0\% | 26,140.0 | 2.3 | 0.0\% | 26,140.0 | 2.3 | 0.0\% | 26,140.0 | 2.3 | 0.0\% | 26,140.0 | 2.3 | 0.0\% | 26,138.9 | 3.5 | 0.0\% |
| ME1 | 47591 | 2008 | Dry | March | -- | 11,732.6 | 11,731.5 | 1.2 | 0.0\% | 11,730.3 | 2.3 | 0.0\% | 11,730.3 | 2.3 | 0.0\% | 11,730.3 | 2.3 | 0.0\% | 11,730.3 | 2.3 | 0.0\% | 11,730.3 | 2.3 | 0.0\% |
| ME1 | 47591 | 2008 | Dry | April | - | 8,967.2 | 8,961.9 | 5.3 | 0.1\% | 8,961.3 | 5.9 | 0.1\% | 8,960.8 | 6.5 | 0.1\% | 8,960.3 | 6.9 | 0.1\% | 8,959.7 | 7.5 | 0.1\% | 8,959.1 | 8.1 | 0.1\% |
| ME1 | 47591 | 2008 | Dry | May | - | 1,359.6 | 1,354.6 | 5.0 | 0.4\% | 1,354.1 | 5.6 | 0.4\% | 1,353.6 | 6.0 | 0.4\% | 1,353.1 | 6.5 | 0.5\% | 1,352.5 | 7.1 | 0.5\% | 1,352.1 | 7.5 | 0.6\% |
| ME1 | 47591 | 2008 | Dry | June | - | 424.0 | 415.6 | 8.4 | 2.0\% | 414.8 | 9.2 | 2.2\% | 414.0 | 10.0 | 2.4\% | 413.2 | 10.9 | 2.6\% | 412.3 | 11.7 | 2.8\% | 41.5 | 12.5 | 2.9\% |
| ME1 | 47591 | 2008 | Dry | July | - | 243.1 | 235.7 | 7.3 | 3.0\% | 235.0 | 8.0 | 3.3\% | 234.3 | 8.8 | 3.6\% | 233.6 | 9.5 | 3.9\% | 232.8 | 10.2 | 4.2\% | 232.1 | 11.0 | 4.5\% |
| ME1 | 47591 | 2008 | Dry | August | -- | 165.8 | 159.2 | 6.6 | 4.0\% | 158.5 | 7.2 | 4.4\% | 157.8 | 7.9 | 4.8\% | 157.2 | 8.6 | 5.2\% | 156.5 | 9.2 | 5.6\% | 155.9 | 9.9 | 5.9\% |
| ME1 | 47591 | 2008 | Dry | September | Used in Summary Table Analysis | 127.6 | 121.2 | 6.4 | 5.0\% | 120.5 | 7.1 | 5.6\% | 119.9 | 7.7 | 6.0\% | 119.2 | 8.4 | 6.6\% | 118.6 | 9.0 | 7.1\% | 118.0 | 9.6 | 7.6\% |
| ME1 | 47591 | 2009 | Critical | October | Used in Summary Table Analysis | 905.3 | 900.6 | 4.7 | 0.5\% | 900.1 | 5.2 | 0.6\% | 899.6 | 5.7 | 0.6\% | 899.1 | 6.1 | 0.7\% | 898.7 | 6.6 | 0.7\% | 898.2 | 7.1 | 0.8\% |
| ME1 | 47591 | 2009 | Critical | November | Used in Summary Table Analysis | 5,378.0 | 5,374.7 | 3.4 | 0.1\% | 5,374.3 | 3.7 | 0.1\% | 5,374.0 | 4.1 | 0.1\% | 5,373.6 | 4.4 | 0.1\% | 5,373.3 | 4.7 | 0.1\% | 5,372.9 | 5.1 | 0.1\% |
| ME1 | 47591 | 2009 | Critical | December |  | 11,888.9 | 11,886.6 | 2.3 | 0.0\% | 11,885.4 | 3.5 | 0.0\% | 11,885.4 | 3.5 | 0.0\% | 11,885.4 | 3.5 | 0.0\% | 11,885,4 | 3.5 | 0.0\% | 11,884.3 | 4.6 | 0.0\% |
| ME1 | 47591 47591 | 2009 | ${ }_{\text {critical }}$ | January | - | $8,714.7$ 22383 218 | $8,712.0$ 2,3808 | 2.7 2.3 | 0.0\% | $8,711.8$ 223808 | 2.9 | 0.0\% | 8,711.6 | 3.1 35 | 0.0\% | $8,711.3$ 223796 | 3.4 | 0.0\% | $8,711.0$ 22396 | 3.7 3 | 0.0\% | $8,710.8$ 22396 | 3.9 | 0.0\% |
| ME1 | 47591 | 2009 | Critical | February |  | 22,383.1 | 22,380.8 | 2.3 | 0.0\% | 22,380.8 | 2.3 | 0.0\% | 22,379.6 | 3.5 | 0.0\% | 22,379.6 | 3.5 | 0.0\% | 22,379.6 | 3.5 | 0.0\% | 22,379.6 | 3.5 | 0.0\% |
| ME1 | 47591 | 2009 | Critical | March | - | 20,946.8 | 20,944.4 | 2.3 | 0.0\% | 20,944.4 | 2.3 | 0.0\% | 20,944.4 | 2.3 | 0.0\% | 20,944.4 | 2.3 | 0.0\% | 20,943.3 | 3.5 | 0.0\% | 20,943.3 | 3.5 | 0.0\% |
| ME1 | 47591 | 2009 | Critical | April | -- | 10,072.0 | 10,066.4 | 5.6 | 0.1\% | 10,065.9 | 6.1 | 0.1\% | 10,065.3 | 6.7 | 0.1\% | 10,064.8 | 7.2 | 0.1\% | 10,064.4 | 7.6 | 0.1\% | 10,063.8 | 8.2 | 0.1\% |
| ME1 | 47591 | 2009 | Critical | May | - | 15,491.9 | 15,486.1 | 5.8 | 0.0\% | 15,485.0 | 6.9 | 0.0\% | 15,485.0 | 6.9 | 0.0\% | 15,483.8 | 8.1 | 0.1\% | 15,483.8 | ${ }^{8.1}$ | 0.1\% | 15,482.6 | ${ }^{9.3}$ | 0.1\% |
| ME1 | 47591 47591 | 2009 | Critical critical | June | $\cdots$ | $3,142.4$ 12470 | 3,1333 12396 | 9.0 74 | 0.3\% | $3,1322.5$ <br> 12388 | 9.8 88 | 0.3\% | $3,131.6$ 12381 | 10.8 | 0.3\% | $3,1330.7$ 12374 | ${ }_{10.7}$ | 0.4\% | $3,129.9$ 12366 | 12.5 | 0.4\% | $3,128.9$ 12359 | 13.4 | 0.4\% |
| ME1 | 47591 | 2009 | Critical | July | - | 1,247.0 | 1,239.6 | 7.4 | 0.6\% | 1,238.8 | 8.2 | 0.7\% | 1,238.1 | 8.9 | 0.7\% | 1,237.4 | 9.6 | 0.8\% | 1,236.6 | 10.4 | 0.8\% | 1,235.9 | 11.1 | 0.9\% |
| ME1 | 47591 | 2009 | Critical | August | -- | 652.6 | 645.9 | 6.6 | 1.0\% | 645.3 | 7.3 | 1.1\% | 644.6 | 8.0 | 1.2\% | 644.0 | 8.6 | 1.3\% | 643.3 | 9.3 | 1.4\% | 642.7 | 9.9 | 1.5\% |
| ME1 | 47591 | 2009 | Critical | September | Used in Summary Table Analysis | 375.1 | 369.5 | 5.6 | 1.5\% | 368.9 | 6.2 | 1.6\% | 368.4 | 6.7 | 1.8\% | 367.8 | 7.3 | 1.9\% | 367.3 | 7.8 | 2.1\% | 366.7 | 8.4 | 2.2\% |
| ME1 | 47591 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,065.5 | $6,060.8$ | 4.7 | 0.1\% | ${ }^{6,060.3}$ | 5.2 | 0.1\% | 6,059.8 | 5.7 | 0.1\% | 6,059.4 | 6.1 | 0.1\% | 6,058.9 | 6.6 | 0.1\% | 6,058.4 | 7.1 | 0.1\% |
| ME1 | 47591 47591 | 2010 | Below Normal | November | Used in Summary Table Analysis | $8,198.1$ 121725 125654 | $8,194.7$ <br> 121701 <br> 3,631 | 3.5 <br> 23 <br> 2.3 | 0.0\% | 8,194.3 | 3.8 <br> 23 | 0.0\% | $8,194.0$ 121690 | 4.2 | ${ }^{0.1 \%}$ | $8,193.6$ 121690 | 4.5 <br> 3 | ${ }^{0.1 \%}$ | ${ }^{8,193.3}$ | 4.9 3 | 0.1\% | $8,192.9$ 121690 | 5.2 3.5 | ${ }^{0.1 \%}$ |
| ME1 | 47591 | 2010 2010 | Below Normal Below Normal | December January |  | 12,172.5 | $12,170.1$ $35,633.1$ | $\begin{aligned} & 2.3 \\ & 2.3 \end{aligned}$ | 0.0\% $0.0 \%$ | $12,170.1$ $35,631.9$ | $\begin{aligned} & 2.3 \\ & 3.5 \end{aligned}$ | 0.0\% | $12,169.0$ 35.631 .9 | $\begin{aligned} & 3.5 \\ & 3.5 \end{aligned}$ | 0.0\% | $\begin{aligned} & 12,169.0 \\ & 35,631.9 \end{aligned}$ | $\begin{aligned} & 3.5 \\ & 3.5 \end{aligned}$ | - $0.0 \%$ | $12,169.0$ 35.631 .9 | 3.5 3.5 | 0.0\% $0.0 \%$ 0 | $12,169.0$ 35.630 .8 | 3.5 4.6 | - |
| ME1 | 47591 | 2010 | Below Normal | February | -- | 27,071.8 | 27,069.4 | 2.3 | 0.0\% | 27,069.4 | 2.3 | 0.0\% | 27,069.4 | 2.3 | 0.0\% | 27,069.4 | 2.3 | 0.0\% | 27,069.4 | 2.3 | 0.0\% | 27,068.3 | 3.5 | 0.0\% |
| ME1 | 47591 | 2010 | Below Normal | March |  | 28,687.5 | 28,685.2 | 2.3 | 0.0\% | 28,685.2 | 2.3 | 0.0\% | 28,684.0 | 3.5 | 0.0\% | 28,684.0 | 3.5 | 0.0\% | 28,684.0 | 3.5 | 0.0\% | 28,684.0 | 3.5 | 0.0\% |
| ME1 | 47591 | 2010 | Below Normal | April | - | 39,739.6 | 39,737.3 | 2.3 | 0.0\% | 39,737.3 | 2.3 | 0.0\% | 39,737.3 | 2.3 | 0.0\% | 39,736.1 | 3.5 | 0.0\% | 39,736.1 | 3.5 | 0.0\% | 39,736.1 | 3.5 | 0.0\% |
| ME1 | 47591 | 2010 | Below Normal | May | - | 20,054.4 | 20,049.8 | 4.6 | 0.0\% | 20,048.6 | 5.8 | 0.0\% | 20,048.6 | 5.8 | 0.0\% | 20,047.5 | 6.9 | 0.0\% | 20,047.5 | 6.9 | 0.0\% | 20,046.3 | 8.1 | 0.0\% |
| ME1 | 47591 | 2010 | Below Normal | June | - | 9,180.8 | 9,172.2 | 8.6 | 0.1\% | 9,171.4 | 9.4 | 0.1\% | 9,170.5 | 10.3 | 0.1\% | 9,169.7 | 11.1 | 0.1\% | 9,168.9 | 11.9 | 0.1\% | 9,168.1 | 12.7 | 0.1\% |
| ME1 | 47591 | 2010 | Below Normal | July | - | 1,439.2 | 1,432.4 | 6.8 | 0.5\% | 1,431.7 | 7.5 | 0.5\% | 1,431.0 | 8.2 | 0.6\% | 1,430.4 | 8.8 | 0.6\% | 1,429.7 | 9.5 | 0.7\% | 1,429.1 | 10.2 | 0.7\% |
| ME1 | 47591 | 2010 | Below Normal | August | -- | 549.2 | 543.5 | 5.7 | 1.0\% | 543.0 | 6.3 | 1.1\% | 542.4 | 6.9 | 1.3\% | 541.8 | 7.4 | 1.4\% | 541.3 | 7.9 | 1.4\% | 540.7 | 8.5 | 1.5\% |
| ME1 | 47591 47591 | 2010 | Below Normal | September | Used in Summary Table Analysis | 630.9 9.5014 | ${ }^{625.4}$ | 5.5 38 | 0.9\% | ${ }^{624.8}$ | ${ }_{6}^{6.1}$ | 1.0\% | ${ }^{624.3}$ | ${ }_{6}^{6.6}$ | 1.0\% | 623.7 <br> 9.96 .4 | 7.2 50 | ${ }^{1.1 \%}$ | 623.2 | 7.7 54 | 1.2\% | ${ }^{622.6}$ | 8.3 58 | 1.3\% |
| ME 1 <br> ME <br> 1 | 47591 47591 | 2011 | Wet Wet | October November | Used in Summary Table Analysis Used in Summary Table Analysis | 9,501.4 14,069.4 3, | $9,497.6$ $14,067.1$ | 3.8 2.3 | 0.0\% $0.0 \%$ | 9,497.1 $14,067.1$ | 4.3 2.3 | 0.0\% $0.0 \%$ | 9,496. <br> $14,066.0$ <br> , 6.0 | 4.6 3.5 | 0.0\% $0.0 \%$ | 9,496.4 14,066.0 | 5.0 3.5 | 0.1\% | 9,495.9 $14,066.0$ | 5.4 3.5 | 0.1\% $0.0 \%$ | 9,495.6 14,06. 5, | 5.8 3.5 | 0.1\% $0.0 \%$ |
| ME1 | 47591 | 2011 | wet | December |  | 33,103.0 | 33,100.7 | 2.3 | 0.0\% | 33,100.7 | 2.3 | 0.0\% | 33,100.7 | 2.3 | 0.0\% | 33,100.7 | 2.3 | 0.0\% | 33,099.5 | 3.5 | 0.0\% | 33,099.5 | 3.5 | 0.0\% |
| ME1 | 47591 | 2011 | Wet | January |  | 14,039.4 | 14,037.0 | 2.3 | 0.0\% | 14,037.0 | 2.3 | 0.0\% | 14,037.0 | 2.3 | 0.0\% | 14,035.9 | 3.5 | 0.0\% | 14,035.9 | 3.5 | 0.0\% | 14,035.9 | 3.5 | 0.0\% |
| ME1 | 47591 | 2011 | Wet | February | -- | 20,652.8 | 20,650.5 | 2.3 | 0.0\% | 20,650.5 | 2.3 | 0.0\% | 20,650.5 | 2.3 | 0.0\% | 20,650.5 | 2.3 | 0.0\% | 20,650.5 | 2.3 | 0.0\% | 20,649.3 | 3.5 | 0.0\% |
| ME1 | 47591 | 2011 | Wet | March | - | 51,612.3 | 51,610.0 | 2.3 | 0.0\% | 51,610.0 | 2.3 | 0.0\% | 51,610.0 | 2.3 | 0.0\% | 51,610.0 | 2.3 | 0.0\% | 51,608.8 | 3.5 3 | 0.0\% | 51,608.8 | 3.5 | 0.0\% |
| ME1 | 47591 | 2011 | Wet | April | -- | 24,660.9 | 24,658.6 | 2.3 | 0.0\% | 24,65.6 | 2.3 | 0.0\% | 24,658.6 | 2.3 | 0.0\% | 24,658.6 | 2.3 | 0.0\% | 24,657.4 | 3.5 | 0.0\% | 24,657.4 | 3.5 | 0.0\% |
| ME1 | 47591 | 2011 | Wet | May | - | 11,313.8 | 11,308.6 | 5.2 | ${ }^{0.0 \%}$ | ${ }^{11,388.1}$ | 5.7 | ${ }^{0.1 \%}$ | 11,307.5 | 6.3 <br> 101 | 0.1\% | $11,307.1$ 6,977 1 | 6.7 109 | 0.1\% | $11,306.5$ 6,9767 | 7.3 11.7 | 0.1\% | $11,305.9$ $6,975.9$ | 7.9 12.5 | $0.1 \%$ $0.2 \%$ |
| ME 1 ME 1 | 47591 47591 | 2011 | Wet Wet | June July | $\cdots$ | 6,988.4 $1,817.7$ | 6,980.1 $1,810.1$ | 8.3 7.6 | 0.4\% | 6,979.2 $1,809.3$ | 9.3 8.4 | 0.1\% | 6,978.4 $1,808.6$ | 10.1 9.1 | 0.1\% | 6,977.5 $1,807.8$ | 10.9 10.0 | 0.2\% | 6,976.7 $1,806.9$ | 11.7 10.8 | 0.2\% | 6,975.9 $1,806.3$ | 12.5 11.5 | 0.2\% |
| ME1 | 47591 | 2011 | Wet | August | -- | 760.0 | 754.4 | 5.6 | 0.7\% | 753.9 | 6.2 | 0.8\% | 753.3 | 6.7 | 0.9\% | 752.8 | 7.3 | 1.0\% | 752.2 | 7.8 | 1.0\% | 751.6 | 8.4 | 1.1\% |
| ME1 | 47591 | 2011 | Wet | September | Used in Summary Table Analysis | 416.8 | 412.0 | 4.8 | 1.2\% | 411.5 | 5.3 | 1.3\% | 411.0 | 5.8 | 1.4\% | 410.6 | 6.3 | 1.5\% | 410.1 | 6.8 | 1.6\% | 409.6 | 7.2 | 1.7\% |

ththy Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year T |  | Month | Note | Flowwithout Pumping (cfs) | xisting Conditions |  |  | 10\% Pumping |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water Reach) |  |  | Flow (cfs) |  |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \end{gathered}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME1 | 47591 | 2012 | Below Normal |  | October | Used in Summary Table Analysis | 4,472.1 | 4,468.3 | 3.8 | 0.1\% | 4,467.8 | 4.3 | 0.1\% | 4,467.5 | 4.6 | 0.1\% | 4,467.1 | 5.0 | 0.1\% | 4,466.7 | 5.4 | 0.1\% | 4,466.3 | 5.8 | 0.1\% |
| ME1 | 47591 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,100.0 | 8,097.1 | 2.9 | 0.0\% | 8,096.8 | 3.2 | 0.0\% | 8,096.4 | 3.6 | 0.0\% | 8,096.2 | 3.8 | 0.0\% | 8,095.8 | 4.2 | 0.1\% | 8,095.6 | 4.4 | 0.1\% |
| ME1 | 47591 | 2012 | Below Normal | December | -- | 5,120.1 | 5,117.7 | 2.4 | 0.0\% | 5,117.5 | 2.7 | 0.1\% | 5,117.1 | 3.0 | 0.1\% | 5,116.9 | 3.2 | 0.1\% | 5,116.7 | 3.5 | 0.1\% | 5.116 .4 | 3.7 | 0.1\% |
| ME1 | 47591 | 2012 | Below Normal | January | -- | 19,726.9 | 19,724.5 | 2.3 | 0.0\% | 19,724.5 | 2.3 | 0.0\% | 19,724.5 | 2.3 | 0.0\% | 19,724.5 | 2.3 | 0.0\% | 19,723.4 | 3.5 | 0.0\% | 19,723.4 | 3.5 | 0.0\% |
| ME1 | 47591 | 2012 | Below Normal | February - | -- | 18,097.2 | 18,096.1 | 1.2 | 0.0\% | 18,096.1 | 1.2 | 0.0\% | 18,094.9 | 2.3 | 0.0\% | 18,094.9 | 2.3 | 0.0\% | 18,094.9 | 2.3 | 0.0\% | 18,094.9 | 2.3 | 0.0\% |
| ME1 | 47591 | 2012 | Below Normal | March | -- | 44,967.6 | 44,965.3 | 2.3 | 0.0\% | 44,965.3 | 2.3 | 0.0\% | 44,965.3 | 2.3 | 0.0\% | 44,964.1 | 3.5 | 0.0\% | 44,964.1 | 3.5 | 0.0\% | 44,964.1 | 3.5 | 0.0\% |
| ME1 | 47591 | 2012 | Below Normal | April | - | 26,689.8 | 26,687.5 | 2.3 | 0.0\% | 26,687.5 | 2.3 | 0.0\% | 26,687.5 | 2.3 | 0.0\% | 26,687.5 | 2.3 | 0.0\% | 26,687.5 | 2.3 | 0.0\% | 26,687.5 | 2.3 | 0.0\% |
| ME1 | 47591 | 2012 | Below Normal | May | - | 7,438.3 | 7,433.0 | 5.3 | 0.1\% | 7,432.4 | 5.9 | 0.1\% | 7,431.8 | 6.5 | 0.1\% | 7,431.4 | 6.9 | 0.1\% | 7,430.9 | 7.4 | 0.1\% | 7,430.4 | 7.9 | 0.1\% |
| ME1 | 47591 | 2012 | Below Normal | June | - | 5,448.8 | 5,440.3 | 8.6 | 0.2\% | 5,439.5 | 9.4 | 0.2\% | 5,438.7 | 10.2 | 0.2\% | 5,437.7 | 11.1 | 0.2\% | 5,436.9 | 11.9 | 0.2\% | 5,436.1 | 12.7 | 0.2\% |
| ME1 | 47591 | 2012 | Below Normal | July | - | 2,181.0 | 2,173.5 | 7.5 | 0.3\% | 2,172.8 | 8.2 | 0.4\% | 2,172.0 | 9.0 | 0.4\% | 2,171.3 | 9.7 | 0.4\% | 2,170.5 | 10.5 | 0.5\% | 2,169.8 | 11.2 | 0.5\% |
| ME1 | 47591 | 2012 | Below Normal | August | -- | 375.4 | 370.1 | 5.3 | 1.4\% | 369.6 | 5.8 | 1.5\% | 369.1 | 6.3 | 1.7\% | 368.6 | 6.8 | 1.8\% | 368.1 | 7.3 | 1.9\% | 367.6 | 7.8 | 2.1\% |
| ME1 | 47591 | 2012 | Below Normal | September | Used in Summary Table Analysis | 233.2 | 228.7 | 4.5 | 1.9\% | 228.3 | 4.9 | 2.1\% | 227.8 | 5.4 | 2.3\% | 227.3 | 5.8 | 2.5\% | 226.9 | 6.3 | 2.7\% | 226.5 | 6.7 | 2.9\% |
| ME1 | 47591 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,865.0 | 1,861.2 | 3.8 | 0.2\% | 1,860.8 | 4.3 | 0.2\% | 1,860.4 | 4.6 | 0.2\% | 1,860.0 | 5.1 | 0.3\% | 1,859.6 | 5.4 | 0.3\% | 1,859.3 | 5.8 | 0.3\% |
| ME1 | 47591 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,435.2 | 14,432.9 | 2.3 | 0.0\% | 14,431.7 | 3.5 | 0.0\% | 14,431.7 | 3.5 | 0.0\% | 14,431.7 | 3.5 | 0.0\% | 14,431.7 | 3.5 | 0.0\% | 14,430.6 | 4.6 | 0.0\% |
| me1 | 47591 | 2013 | Below Normal | December - | -- | 59,436.3 | 59,434.0 | 2.3 | 0.0\% | 59,434.0 | 2.3 | 0.0\% | 59,432.9 | 3.5 | 0.0\% | 59,432.9 | 3.5 | 0.0\% | 59,432.9 | 3.5 | 0.0\% | 59,432.9 | 3.5 | 0.0\% |
| ME1 | 47591 | 2013 | Below Normal | January | -- | 22,034.7 | 22,032.4 | 2.3 | 0.0\% | 22,032.4 | 2.3 | 0.0\% | 22,032.4 | 2.3 | 0.0\% | 22,032.4 | 2.3 | 0.0\% | 22,032.4 | 2.3 | 0.0\% | 22,031.3 | 3.5 | 0.0\% |
| ME1 | 47591 | 2013 | Below Normal | February | -- | 8,765.3 | 8,763.2 | 2.1 | 0.0\% | 8,763.1 | 2.2 | 0.0\% | 8,762.8 | 2.4 | 0.0\% | 8,762.6 | 2.7 | 0.0\% | 8,762.4 | 2.9 | 0.0\% | 8,762.2 | 3.1 | 0.0\% |
| ME1 | 47591 | 2013 | Below Normal | March | - | 10,211.0 | 10,209.0 | 2.0 | 0.0\% | 10,208.8 | 2.2 | 0.0\% | 10,208.6 | 2.4 | 0.0\% | 10,208.4 | 2.5 | 0.0\% | 10,208.2 | 2.8 | 0.0\% | 10,208.0 | 3.0 | 0.0\% |
| me1 | 47591 | 2013 | Below Normal | April | - | 8,251.7 | 8,246.8 | 5.0 | 0.1\% | 8,246.3 | 5.4 | 0.1\% | 8,245.7 | 6.0 | 0.1\% | 8,245.3 | 6.5 | 0.1\% | 8,244.8 | 6.9 | 0.1\% | 8,24.2 | 7.5 | 0.1\% |
| ME1 | 47591 | 2013 | Below Normal | May | - | 4,381.4 | 4,375.7 | 5.7 | 0.1\% | 4,375.1 | 6.3 | 0.1\% | 4,374.5 | 6.8 | 0.2\% | 4,374.0 | 7.4 | 0.2\% | 4,373.4 | 8.0 | 0.2\% | 4,372.8 | 8.6 | 0.2\% |
| ME1 | 47591 | 2013 | Below Normal | June | -- | 2,091.2 | 2,083.7 | 7.5 | 0.4\% | 2,082.9 | 8.3 | 0.4\% | 2,082.2 | 9.0 | 0.4\% | 2,081.4 | 9.8 | 0.5\% | 2,080.7 | 10.5 | 0.5\% | 2,079.9 | 11.3 | 0.5\% |
| ME1 | 47591 | 2013 | Below Normal | July | - | 707.4 | 701.0 | 6.5 | 0.9\% | 700.3 | 7.1 | 1.0\% | 699.7 | 7.7 | 1.1\% | 699.0 | 8.4 | 1.2\% | 698.4 | 9.0 | 1.3\% | 697.8 | 9.7 | 1.4\% |
| ME1 | 47591 | 2013 | Below Normal | August | -- | 326.0 | 320.4 | 5.6 | 1.7\% | 319.9 | 6.2 | 1.9\% | 319.3 | 6.7 | 2.1\% | 318.8 | 7.3 | 2.2\% | 318.2 | 7.8 | 2.4\% | 317.7 | 8.4 | 2.6\% |
| ME1 | 47591 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,714.8 | 4,708.8 | 6.0 | 0.1\% | 4,708.2 | 6.6 | 0.1\% | 4,707.5 | 7.3 | 0.2\% | 4,706.9 | 7.9 | 0.2\% | 4,706.4 | 8.4 | 0.2\% | 4,705.8 | 9.0 | 0.2\% |
| ME1 | 47591 | 2014 | Critical | October | Used in Summary Table Analysis | 275.3 | 271.4 | 3.9 | 1.4\% | 271.0 | 4.3 | 1.6\% | 270.6 | 4.7 | 1.7\% | 270.2 | 5.1 | 1.8\% | 269.8 | 5.5 | 2.0\% | 269.4 | 5.8 | 2.1\% |
| ME1 | 47591 | 2014 | Critical | November | Used in Summary Table Analysis | 1,498.4 | 1,495.4 | 3.0 | 0.2\% | 1,495.1 | 3.2 | 0.2\% | 1,494.8 | 3.6 | 0.2\% | 1,494.6 | 3.8 | 0.3\% | 1,494.2 | 4.2 | 0.3\% | 1,493.9 | 4.5 | 0.3\% |
| ME1 | 47591 | 2014 | Critical | December - |  | 1,564.7 | 1,562.2 | 2.5 | 0.2\% | 1,561.9 | 2.8 | 0.2\% | $1,561.7$ | 3.0 | 0.2\% | 1,561.5 | 3.2 | 0.2\% | 1,561.1 | 3.6 | 0.2\% | 1,560.9 | 3.8 | 0.2\% |
| ME1 | 47591 | 2014 | Critical | January | - | 2,780.2 | 2,778.0 | 2.2 | 0.1\% | 2,777.8 | 2.4 | 0.1\% | 2,777.5 | 2.7 | 0.1\% | 2,777.3 | 2.9 | 0.1\% | 2,777.1 | 3.1 | 0.1\% | 2,776.9 | 3.4 | 0.1\% |
| ME1 | 47591 | 2014 | Critical | February | - | 15,637.7 | 15,635.4 | 2.3 | 0.0\% | 15,635.4 | 2.3 | 0.0\% | 15,635.4 | 2.3 | 0.0\% | 15,635.4 | 2.3 | 0.0\% | 15,635.4 | 2.3 | 0.0\% | 15,635.4 | 2.3 | 0.0\% |
| ME1 | 47591 | 2014 | Critical | March | -- | 31,338.0 | 31,335.6 | 2.3 | 0.0\% | 31,335.6 | 2.3 | 0.0\% | 31,335.6 | 2.3 | 0.0\% | 31,334.5 | 3.5 | 0.0\% | 31,334.5 | 3.5 | 0.0\% | 31,334.5 | 3.5 | 0.0\% |
| ME1 | 47591 | 2014 | Critical | April | - | 12,936.3 | 12,930.6 | 5.8 | 0.0\% | 12,929,4 | 6.9 | 0.1\% | 12,929.4 | 6.9 | 0.1\% | 12,929.4 | 6.9 | 0.1\% | 12,928.2 | 8.1 | 0.1\% | 12,928.2 | 8.1 | 0.1\% |
| ME1 | 47591 | 2014 | Critical | May | - | 5,153.1 | 5,147.0 | 6.1 | 0.1\% | 5,146.4 | 6.7 | 0.1\% | 5,145.8 | 7.3 | 0.1\% | 5,145.1 | 8.0 | 0.2\% | 5,144.6 | 8.6 | 0.2\% | 5,144.0 | 9.1 | 0.2\% |
| ME1 | 47591 | 2014 | Critical | June | - | 1,181.7 | 1,172.6 | 9.1 | 0.8\% | 1,171.6 | 10.1 | 0.9\% | 1,170.7 | 11.0 | 0.9\% | 1,169.8 | 11.9 | 1.0\% | 1,168.9 | 12.8 | 1.1\% | 1,167.9 | 13.8 | 1.2\% |
| ME1 | 47591 | 2014 | Critical | July | - | 534.5 | 527.1 | 7.3 | 1.4\% | 526.4 | 8.1 | 1.5\% | 525.7 | 8.8 | 1.6\% | 524.9 | 9.5 | 1.8\% | 524.2 | 10.3 | 1.9\% | 523.5 | 11.0 | 2.1\% |
| ME1 | 47591 | 2014 | Critical | August | - | 333.8 | 327.3 | 6.5 | 2.0\% | 326.7 | 7.2 | 2.1\% | 326.0 | 7.8 | 2.3\% | 325.4 | 8.5 | 2.5\% | 324.7 | 9.1 | 2.7\% | 324.1 | 9.8 | 2.9\% |
| ME1 | 47591 | 2014 | Critical | September | Used in Summary Table Analysis | 2,537.0 | 2,530.4 | 6.6 | 0.3\% | 2,529.9 | 7.2 | 0.3\% | 2,529.2 | 7.9 | 0.3\% | 2,528.5 | 8.6 | 0.3\% | 2,527.8 | 9.3 | 0.4\% | 2,527.2 | 9.8 | 0.4\% |
| me 1 | 47591 | 2015 | Dry | October | Used in Summary Table Analysis | 11,234.4 | 11,229.6 | 4.7 | 0.0\% | 11,229.3 | 5.1 | 0.0\% | 11,228.8 | 5.6 | 0.0\% | 11,227.7 | 6.7 | 0.1\% | 11,227.2 | 7.2 | 0.1\% | 11,226.7 | 7.6 | 0.1\% |
| ME1 | 47591 | 2015 | Dry | November | Used in Summary Table Analysis | 8,906.5 | 8,903.0 | 3.5 | 0.0\% | 8,902.7 | 3.8 | 0.0\% | 8,902.3 | 4.2 | 0.0\% | 8,902.0 | 4.5 | 0.1\% | 8,901.6 | 4.9 | 0.1\% | $8,901.3$ | 5.2 | 0.1\% |
| ME1 | 47591 | 2015 | Dry | December - |  | 32,133.1 | 32,130.8 | 2.3 | 0.0\% | 32,130.8 | 2.3 | 0.0\% | 32,129.6 | 3.5 | 0.0\% | 32,129.6 | 3.5 | 0.0\% | 32,129.6 | 3.5 | 0.0\% | 32,129.6 | 3.5 | 0.0\% |
| ME1 | 47591 | 2015 | Dry | January | -- | 14,500.0 | 14,496.5 | 3.5 | 0.0\% | 14,496.5 | 3.5 | 0.0\% | 14,496.5 | 3.5 | 0.0\% | 14,496.5 | 3.5 | 0.0\% | 14,495.4 | 4.6 | 0.0\% | 14,495.4 | 4.6 | 0.0\% |
| ME1 | 47591 | 2015 | Dry | February - |  | 27,040.5 | 27,038.2 | 2.3 | 0.0\% | 27,038.2 | 2.3 | 0.0\% | 27,037.0 | 3.5 | 0.0\% | 27,037.0 | 3.5 | 0.0\% | 27,037.0 | 3.5 | 0.0\% | 27,037.0 | 3.5 | 0.0\% |
| me1 | 47591 | 2015 | Dry | March | -- | 11,520.9 | 11,519.0 | 2.0 | 0.0\% | 11,518.8 | 2.2 | 0.0\% | 11,518.6 | 2.3 | 0.0\% | 11,518.4 | 2.5 | 0.0\% | 11,518.2 | 2.8 | 0.0\% | 11,517.9 | 3.0 | 0.0\% |
| ME1 | 47591 | 2015 | Dry | April | - | $8,258.6$ | 8,253.1 | 5.4 | 0.1\% | 8,252.7 | 5.9 | 0.1\% | 8,252.1 | 6.5 | 0.1\% | 8,251.5 | 7.1 | 0.1\% | 8,250.9 | 7.6 | 0.1\% | $8,250.5$ | 8.1 | 0.1\% |
| ME1 | 47591 | 2015 | Dry | May | - | 1,501.9 | 1,495.7 | 6.1 | 0.4\% | 1,495.1 | 6.7 | 0.4\% | 1,494.6 | 7.3 | 0.5\% | 1,493.9 | 8.0 | 0.5\% | 1,493.3 | 8.6 | 0.6\% | 1,492.7 | 9.1 | 0.6\% |
| ME1 | 47591 | 2015 | Dry | June | -- | 642.3 | 633.8 | 8.5 | 1.3\% | 633.0 | 9.3 | 1.5\% | 632.1 | 10.2 | 1.6\% | 631.3 | 11.0 | 1.7\% | 630.5 | 11.9 | 1.8\% | 629.6 | 12.7 | 2.0\% |
| ME1 | 47591 | 2015 | Dry | July | - | 257.8 | 250.4 | 7.4 | 2.9\% | 249.7 | 8.1 | 3.1\% | 248.9 | 8.8 | 3.4\% | 248.2 | 9.6 | 3.7\% | 247.5 | 10.3 | 4.0\% | 246.7 | 11.0 | 4.3\% |
| me1 | 47591 | 2015 | Dry | August | -- | 153.1 | 146.5 | 6.6 | 4.3\% | 145.8 | 7.3 | 4.7\% | 145.2 | 7.9 | 5.2\% | 144.5 | 8.6 | 5.6\% | 143.9 | 9.2 | 6.0\% | 143.2 | 9.9 | 6.5\% |
| ME1 | 47591 | 2015 | Dry | September | Used in Summary Table Analysis | 109.1 | 103.4 | 5.7 | 5.2\% | 102.9 | 6.2 | 5.7\% | 102.3 | 6.8 | 6.2\% | 101.7 | 7.3 | 6.7\% | 101.2 | 7.9 | 7.3\% | 100.6 | 8.5 | 7.8\% |
| ME1 | 47591 | 2016 | Above Normal | October | Used in Summary Table Analysis | 75.0 | 70.1 | 4.9 | 6.6\% | 69.6 | 5.5 | 7.3\% | 69.0 | 6.0 | 8.0\% | 69.1 | 5.9 | 7.9\% | 68.8 | 6.2 | 8.3\% | 68.0 | 7.1 | 9.4\% |
| ME1 | 47591 47591 | 2016 | Above Normal | November | Used in Summary Table Analysis | $3,750.6$ <br> 360498 <br> 6.723 | $3,747.1$ 360475 | 3.5 <br> 23 | 0.1\% | $3,746.8$ chence | 3.8 <br> 3 | ${ }^{0.1 \%}$ | $3,746.4$ 360463 | 4.2 | 0.1\% | $3,746.1$ 360463 | 4.5 3 | 0.1\% | $3,745.7$ 360063 | 4.9 | 0.1\% | $3,745.4$ 36045 chen | 5.2 | 0.1\% |
| ME1 | 47591 | 2016 | Above Normal | December - |  | 36,049.8 | 36,047.5 | 2.3 | 0.0\% | 36,046.3 | 3.5 | 0.0\% | 36,046.3 | 3.5 | 0.0\% | 36,046.3 | 3.5 | 0.0\% | 36,046.3 | 3.5 | 0.0\% | 36,045.1 | 4.6 | ${ }^{0.0 \%}$ |
| ME 1 ME 1 | 47591 47591 | 2016 2016 | Above Normal Above Normal | January |  | $56,723.4$ 24.166 .7 | 56,719.9 24,164.4 | 3.5 2.3 | - | $56,719.9$ 24,164.4 | 3.5 2.3 | 0.0\% | 56,19.9 | 3.5 2.3 | 0.0\% | 24,164.4 | 3.5 2.3 | 0.0\% | 56,188.8 | 4.6 3.5 | 0.0\% | 56,718.8 | 4.6 3.5 | ${ }_{\text {coion }}^{0.0 \%}$ |
| ME1 | 47591 | 2016 | Above Normal | March | -- | 41,497.7 | 41,495.4 | 2.3 | 0.0\% | 41,495.4 | 2.3 | 0.0\% | 41,494.2 | 3.5 | 0.0\% | 41,494.2 | 3.5 | 0.0\% | 41,994.2 | 3.5 | 0.0\% | 41,494.2 | 3.5 | 0.0\% |
| ME1 | 47591 | 2016 | Above Normal | April | - | 18,454.9 | 18,452.5 | 2.3 | 0.0\% | 18,452.5 | 2.3 | 0.0\% | 18,452.5 | 2.3 | 0.0\% | 18,452.5 | 2.3 | 0.0\% | 18,452.5 | 2.3 | 0.0\% | 18,452.5 | 2.3 | 0.0\% |
| ME1 | 47591 | 2016 | Above Normal | May | - | 5,183.2 | 5,180.6 | 2.7 | 0.1\% | 5,180.2 | 3.0 | 0.1\% | 5,180.0 | 3.2 | 0.1\% | 5,179.7 | 3.5 | 0.1\% | 5,179.4 | 3.8 | 0.1\% | 5,179.2 | 4.1 | 0.1\% |
| ME1 | 47591 | 2016 | Above Normal | June | - | 1,493.6 | 1,487.2 | 6.5 | 0.4\% | 1,486.6 | 7.1 | 0.5\% | 1,885.9 | 7.8 | 0.5\% | 1,885.3 | 8.3 | 0.6\% | 1,484,6 | 9.0 | 0.6\% | 1,484.0 | 9.6 | 0.6\% |
| me1 | 47591 | 2016 | Above Normal | July | -- | 806.3 | 799.9 | 6.4 | 0.8\% | 799.2 | 7.0 | 0.9\% | 798.6 | 7.6 | 0.9\% | 798.0 | 8.3 | 1.0\% | 797.3 | 8.9 | 1.1\% | 796.7 | 9.5 | 1.2\% |
| ME1 | 47591 | 2016 | Above Normal | August | 兂 | 474.4 | 468.6 | 5.8 | 1.2\% | 468.0 | 6.4 | 1.3\% | 467.4 | 6.9 | 1.5\% | 466.9 | 7.5 | 1.6\% | 466.3 | 8.1 | 1.7\% | 465.7 | 8.7 | 1.8\% |
| ME1 | 47591 | 2016 | Above Normal | September | Used in Summary Table Analysis | 311.6 | 306.8 | 4.8 | 1.5\% | 306.3 | 5.3 | 1.7\% | 305.8 | 5.8 | 1.9\% | 305.3 | 6.3 | 2.0\% | 304.8 | 6.8 | 2.2\% | 304.4 | 7.3 | 2.3\% |
| ME1 | 47591 | 2017 | Wet | October | Used in Summary Table Analysis | 18,057.9 | 18,054.4 | 3.5 | 0.0\% | 18,053.2 | 4.6 | 0.0\% | 18,053.2 | 4.6 | 0.0\% | 18,053.2 | 4.6 | 0.0\% | 18,052.1 | 5.8 | 0.0\% | 18,052.1 | 5.8 | 0.0\% |
| ME1 | 47591 | 2017 | Wet | November | Used in Summary Table Analysis | 18,574.1 | 18,570.6 | 3.5 | 0.0\% | 18,570.6 | 3.5 | 0.0\% | 18,570.6 | 3.5 | 0.0\% | 18,569.4 | 4.6 | 0.0\% | 18,569.4 | 4.6 | 0.0\% | 18,569.4 | 4.6 | 0.0\% |
| ME1 | 47591 | 2017 | Wet | December - |  | ${ }_{\text {23,725.7 }}$ | $23,723.4$ 1057, | 2.3 | 0.0\% | 23,722.2 | 3.5 | 0.0\% | $23,722.2$ 105779.7 | 3.5 | 0.0\% | $23,722.2$ 1057, | 3.5 | 0.0\% | $23,722.2$ 1057685 | 3.5 | 0.0\% | $23,722.2$ 1057885 | 3.5 | 0.0\% |
| ME1 | 47591 | 2017 | Wet | January |  | 105,772.0 | 105,769.7 | 2.3 | 0.0\% | 105,769.7 | 2.3 | 0.0\% | 105,769.7 | 2.3 | 0.0\% | 105,768.5 | 3.5 | 0.0\% | 105,768.5 | 3.5 | 0.0\% | 105,768.5 | 3.5 | 0.0\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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Eel River Valley Groundwater Sustainability Plan

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At Surface Water Depletion Locations of interest
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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  |  |  | Flow Without Pumping(cfs) (cfs) | Existing Conditions |  |  | 10\% Pumping Increase |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Month | Note |  | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference |
| me 2 | 44584 | 2017 | Wet | June | - | 2,096.2 | 2,088.7 | 7.5 | 0.4\% | 2,088.0 | 8.2 | 0.4\% | 2,087.3 | 8.9 | 0.4\% | 2,086.5 | 9.7 | 0.5\% | 2,085.6 | 10.5 | 0.5\% | 2,085.0 | 11.2 | 0.5\% |
| ME 2 | 44584 | 2017 | Wet | July | - | 922.5 | 915.0 | 7.5 | 0.8\% | 914.3 | 8.2 | 0.9\% | 913.5 | 8.9 | 1.0\% | 912.8 | 9.7 | 1.1\% | 912.0 | 10.4 | 1.1\% | 911.3 | 11.2 | 1.2\% |
| ME 2 | 44584 | 2017 | Wet | August | -- | 494.8 | 488.0 | 6.8 | ${ }^{1.4 \%}$ | 487.3 | 7.5 | ${ }^{1.5 \%}$ | 486.6 | 8.2 | 1.7\% | 485.9 | 8.9 | ${ }^{1.8 \%}$ | ${ }^{485.2}$ | 9.6 | 1.9\% | 484.5 | 10.3 | ${ }^{2.1 \%}$ |
| ME2 | 44584 | 2017 | Wet | September | Used in Summary Table Analysis | 313.1 | 306.8 | 6.3 | 2.0\% | 306.1 | 6.9 | 2.2\% | 305.5 | 7.6 | 2.4\% | 304.9 | 8.2 | 2.5\% | 304.3 | 8.8 | 2.8\% | 303.6 | 9.4 | 3.0\% |
| ME 2 | 44584 | 2018 | Above Normal | October | Used in Summary Table Analysis | 265.9 | 262.1 | 3.8 | 1.4\% | 261.2 | 4.7 | 1.8\% | 260.6 | 5.3 | 2.0\% | 259.9 | 6.0 | 2.3\% | 259.3 | 6.6 | 2.5\% | 258.8 | 7.0 | 2.7\% |
| ME2 | 44584 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,598.6 | 10,595.1 | 3.5 | 0.0\% | 10,594.8 | 3.8 | 0.0\% | 10,594.4 | 4.2 | 0.0\% | 10,594.1 | 4.5 | 0.0\% | 10,593.9 | 4.7 | 0.0\% | 10,593.5 | 5.1 | 0.0\% |
| ME2 | 44584 | 2018 | Above Normal | December | - | 5,428.2 | 5,425.3 | 2.9 | 0.1\% | 5,425.1 | 3.1 | 0.1\% | 5,424.9 | 3.4 | 0.1\% | 5,424.5 | 3.7 | 0.1\% | 5,424.3 | 3.9 | 0.1\% | 5,424.0 | 4.3 | 0.1\% |
| ME2 | 44584 | 2018 | Above Normal | January | - | 17,447.9 | 17,445.6 | 2.3 | 0.0\% | 17,445.6 | 2.3 | 0.0\% | 17,445.6 | 2.3 | 0.0\% | 17,444,4 | 3.5 | 0.0\% | 17,444.4 | 3.5 | 0.0\% | 17,444.4 | 3.5 | 0.0\% |
| ME2 | 44584 | 2018 | Above Normal | February | -- | 7,581.8 | 7,579.7 | 2.1 | 0.0\% | 7,579.5 | 2.3 | 0.0\% | 7,579.3 | 2.5 | 0.0\% | 7,579.1 | 2.8 | 0.0\% | 7,578.8 | 3.0 | 0.0\% | 7,578.6 | 3.2 | 0.0\% |
| ME 2 | 44584 | 2018 | Above Normal | March | - | 20,48.1 | 20,483.8 | 2.3 | 0.0\% | 20,483.8 | 2.3 | 0.0\% | 20,483.8 | 2.3 | 0.0\% | 20,483.8 | 2.3 | 0.0\% | 20,483.8 | 2.3 | 0.0\% | 20,482.6 | 3.5 | 0.0\% |
| ME2 | 44584 | 2018 | Above Normal | April | - | 31,949.1 | 31,946.8 | 2.3 | 0.0\% | 31,946.8 | 2.3 | 0.0\% | 31,946.8 | 2.3 | 0.0\% | 31,946.8 | 2.3 | 0.0\% | 31,946.8 | 2.3 | 0.0\% | 31,946.8 | 2.3 | 0.0\% |
| ME2 | 44584 | 2018 | Above Normal | May | - | 6,980.0 | 6,974.3 | 5.7 | 0.1\% | 6,973.7 | 6.3 | 0.1\% | 6,973.1 | 6.8 | 0.1\% | 6,972.7 | 7.3 | 0.1\% | 6,972.1 | 7.9 | 0.1\% | 6,971.4 | 8.6 | 0.1\% |
| ME2 | 44584 | 2018 | Above Normal | June | - | 1,905.4 | 1,898.3 | 7.2 | 0.4\% | 1,897.6 | 7.9 | 0.4\% | 1,896.9 | 8.6 | 0.4\% | 1,896.1 | 9.4 | 0.5\% | 1,895.4 | 10.1 | 0.5\% | 1,894.7 | 10.8 | 0.6\% |
| ME2 | 44584 | 2018 | Above Normal | July | - | 771.9 | 764.4 | 7.4 | 1.0\% | 763.7 | 8.2 | 1.1\% | 763.0 | 8.9 | 1.2\% | 762.2 | 9.6 | 1.2\% | 761.5 | 10.4 | 1.3\% | 76.7 | 11.1 | 1.4\% |
| ME 2 | 44584 | 2018 | Above Normal | August | -- | 433.1 | 426.6 | 6.5 | 1.5\% | 425.9 | 7.2 | 1.7\% | 425.3 | 7.8 | 1.8\% | 424.6 | 8.5 | 2.0\% | 424.0 | 9.1 | 2.1\% | 423.3 | 9.8 | 2.3\% |
| ME2 | 44584 | 2018 | Above Normal | September | Used in Summary Table Analysis | 291.4 | 285.1 | 6.3 | 2.2\% | 284.5 | 6.9 | 2.4\% | 283.9 | 7.5 | 2.6\% | 283.2 | 8.2 | 2.8\% | 282.6 | 8.8 | 3.0\% | 282.0 | 9.4 | 3.2\% |
| ME2 | 44584 | 2019 | Below Normal | October | Used in Summary Table Analysis | 201.4 | 196.7 | 4.7 | 2.3\% | 196.2 | 5.2 | 2.6\% | 195.8 | 5.6 | 2.8\% | 195.3 | 6.1 | 3.0\% | 194.9 | 6.5 | 3.2\% | 194.5 | 6.9 | 3.4\% |
| ME2 | 44584 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,497.0 | 6,493.5 | 3.5 | 0.1\% | 6,493.2 | 3.8 | 0.1\% | 6,492.8 | 4.2 | 0.1\% | 6,492.5 | 4.5 | 0.1\% | 6,492.1 | 4.9 | 0.1\% | 6,491.8 | 5.2 | 0.1\% |
| ME2 | 44584 | 2019 | Below Normal | December |  | 14,450.2 | 14,446.8 | 3.5 | 0.0\% | 14,446.8 | 3.5 | 0.0\% | 14,446.8 | 3.5 | 0.0\% | 14,445.6 | 4.6 | 0.0\% | 14,445.6 | 4.6 | 0.0\% | 14,445.6 | 4.6 | 0.0\% |
| ME 2 | 44584 | 2019 | Below Normal | January | - | 34,782.4 | 34,778.9 | 3.5 | 0.0\% | 34,778.9 | 3.5 | 0.0\% | 34,778.9 | 3.5 | 0.0\% | 34,778.9 | 3.5 | 0.0\% | 34,777.8 | 4.6 | 0.0\% | 34,777.8 | 4.6 | 0.0\% |
| ME2 | 44584 | 2019 | Below Normal | February | - | 141,458.3 | 141,446.8 | 11.6 | 0.0\% | 141,446.8 | 11.6 | 0.0\% | 141,446.8 | 11.6 | 0.0\% | 141,446.8 | 11.6 | 0.0\% | 141,446.8 | 11.6 | 0.0\% | 141,446.8 | 11.6 | 0.0\% |
| ME2 | 44584 | 2019 | Below Normal | March | - | 42,078.7 | 42,076.4 | 2.3 | 0.0\% | 42,076.4 | 2.3 | 0.0\% | 42,076.4 | 2.3 | 0.0\% | 42,076.4 | 2.3 | 0.0\% | 42,075.2 | 3.5 | 0.0\% | 42,075.2 | 3.5 | 0.0\% |
| ME2 | 44584 | 2019 | Below Normal | April | - | 15,206.0 | 15,204.9 | 1.2 | 0.0\% | 15,203.7 | 2.3 | 0.0\% | 15,203.7 | 2.3 | 0.0\% | 15,203.7 | 2.3 | 0.0\% | 15,203.7 | 2.3 | 0.0\% | 15,203.7 | 2.3 | 0.0\% |
| ME2 | 44584 | 2019 | Below Normal | May | - | 16,608.8 | 16,601.9 | 6.9 | 0.0\% | 16,601.9 | 6.9 | 0.0\% | 16,600.7 | 8.1 | 0.0\% | 16,600.7 | 8.1 | 0.0\% | 16,599.5 | 9.3 | 0.1\% | 16,599.5 | 9.3 | 0.1\% |
| ME2 | 44584 | 2019 | Below Normal | June | - | 4,243.5 | 4,235.6 | 7.9 | 0.2\% | 4,234.8 | 8.7 | 0.2\% | 4,234.0 | 9.5 | 0.2\% | 4,233.2 | 10.3 | 0.2\% | 4,232.4 | 11.1 | 0.3\% | 4,231.6 | 11.9 | 0.3\% |
| ME2 | 44584 | 2019 | Below Normal | July | - | 1,349.0 | 1,341.4 | 7.5 | 0.6\% | 1,340.7 | 8.2 | 0.6\% | 1,340.0 | 8.9 | 0.7\% | 1,339.2 | 9.7 | 0.7\% | 1,338.5 | 10.4 | 0.8\% | 1,337.7 | 11.2 | 0.8\% |
| ME2 | 44584 | 2019 | Below Normal | August | -- | 585.3 | 578.6 | 6.7 | 1.1\% | 578.0 | 7.3 | 1.2\% | 577.3 | 8.0 | 1.4\% | 576.6 | 8.7 | 1.5\% | 575.9 | 9.3 | 1.6\% | 575.3 | 10.0 | 1.7\% |
| ME2 | 44584 | 2019 | Below Normal | September | Used in Summary Table Analysis | 453.5 | 447.3 | 6.2 | 1.4\% | 446.7 | 6.9 | 1.5\% | 446.0 | 7.5 | 1.7\% | 445.4 | 8.1 | 1.8\% | 444.8 | 8.7 | 1.9\% | 444.2 | 9.4 | 2.1\% |
| ME2 | 44584 | 2020 | Dry | October | Used in Summary Table Analysis | 349.4 | 345.1 | 4.3 | 1.2\% | 34.7 | 4.7 | 1.4\% | 344.3 | 5.2 | 1.5\% | 343.8 | 5.6 | 1.5\% | 343.4 | 6.1 | 1.7\% | 343.0 | 6.5 | 1.9\% |
| ME2 | 44584 | 2020 | Dry | November | Used in Summary Table Analysis | 304.4 | 301.3 | 3.0 | 1.0\% | 301.0 | 3.4 | 1.1\% | 300.7 | 3.7 | 1.2\% | 300.4 | 4.0 | 1.3\% | 300.1 | 4.3 | 1.4\% | 299.7 | 4.6 | 1.5\% |
| ME2 | 44584 | 2020 | Dry | December |  | 12,968.8 | 12,966.4 | 2.3 | 0.0\% | 12,966.4 | 2.3 | 0.0\% | 12,965.3 | 3.5 | 0.0\% | 12,965.3 | 3.5 | 0.0\% | 12,965.3 | 3.5 | 0.0\% | 12,965.3 | 3.5 | 0.0\% |
| ME 2 | 44584 | 2020 | Dry | January | - | 22,081.0 | 22,078.7 | 2.3 | 0.0\% | 22,078.7 | 2.3 | 0.0\% | 22,077.5 | 3.5 | 0.0\% | 22,077.5 | 3.5 | 0.0\% | 22,077.5 | 3.5 | 0.0\% | 22,077.5 | 3.5 | 0.0\% |
| ME 2 | 44584 | 2020 | Dry | February | - | 7,403.9 | 7,401.9 | 2.1 | 0.0\% | 7,401.6 | 2.3 | 0.0\% | 7,401.4 | 2.5 | 0.0\% | 7,401.2 | 2.8 | 0.0\% | 7,400.9 | 3.0 | 0.0\% | 7,400.7 | 3.2 | 0.0\% |
| ME 2 | 44584 | 2020 | Dry | March | - | 7,199.5 | 7,197.5 | 2.1 | 0.0\% | 7,197.3 | 2.2 | 0.0\% | 7,197.1 | 2.4 | 0.0\% | 7,196.9 | 2.7 | 0.0\% | 7,196.6 | 2.9 | 0.0\% | 7,196.4 | 3.1 | 0.0\% |
| ME2 | 44584 | 2020 | Dry | April | - | 5,433.6 | 5,427.7 | 5.9 | 0.1\% | 5,427.1 | 6.5 | 0.1\% | 5,426.5 | 7.1 | 0.1\% | 5,425.9 | 7.6 | 0.1\% | 5,425.3 | 8.2 | 0.2\% | 5,424.8 | 8.8 | 0.2\% |
| ME2 | 44584 | 2020 | Dry | May | - | 7,313.2 | 7,306.4 | 6.8 | 0.1\% | 7,305.7 | 7.5 | 0.1\% | 7,305.0 | 8.2 | 0.1\% | 7,304.3 | 8.9 | 0.1\% | 7,303.6 | 9.6 | 0.1\% | 7,302.9 | 10.3 | 0.1\% |
| ME2 | 44584 | 2020 | Dry | June | - | 2,103.4 | 2,093.5 | 9.8 | 0.5\% | 2,092.6 | 10.8 | 0.5\% | 2,091.6 | 11.8 | 0.6\% | 2,090.6 | 12.7 | 0.6\% | 2,089.7 | 13.7 | 0.6\% | 2,088.7 | 14.7 | 0.7\% |
| ME 2 | 44584 | 2020 | Dry | July | - | 789.6 | 781.0 | 8.6 | 1.1\% | 780.2 | 9.5 | 1.2\% | 779.3 | 10.3 | 1.3\% | 778.4 | 11.2 | 1.4\% | 777.6 | 12.0 | 1.5\% | 776.7 | 12.9 | 1.6\% |
| ME2 | 44584 | 2020 | Dry | August | -- | 391.8 | 383.8 | 8.1 | 2.1\% | 382.9 | 8.9 | 2.3\% | 382.1 | 9.7 | 2.5\% | 381.3 | 10.5 | 2.7\% | 380.5 | 11.3 | 2.9\% | 379.7 | 12.1 | 3.1\% |
| ME2 | 44584 | 2020 | Dry | September | Used in Summary Table Analysis | 241.5 | 234.5 | 7.0 | 2.9\% | 233.8 | 7.7 | 3.2\% | 233.2 | 8.4 | 3.5\% | 232.5 | 9.1 | 3.8\% | 231.8 | 9.8 | 4.0\% | 231.1 | 10.5 | 4.3\% |
| ME2 | 43585 | 2000 | Above Normal | October | Used in Summary Table Analysis | 805.3 | 800.5 | 4.8 | 0.6\% | 800.1 | 5.3 | 0.7\% | 799.6 | 5.8 | 0.7\% | 799.1 | 6.2 | 0.8\% | 798.6 | 6.7 | 0.8\% | 798.2 | 7.2 | 0.9\% |
| ME2 | 43585 | 2000 | Above Normal | November | Used in Summary Table Analysis | 11,893.5 | 11,888.9 | 4.6 | 0.0\% | 11,888.9 | 4.6 | 0.0\% | 11,888.9 | 4.6 | 0.0\% | 11,887.7 | 5.8 | 0.0\% | 11,887.7 | 5.8 | 0.0\% | 11,887.7 | 5.8 | 0.0\% |
| ME2 | 43585 | 2000 | Above Normal | December | -- | 10,691.1 | 10,688.2 | 2.9 | 0.0\% | 10,687.8 | 3.2 | 0.0\% | 10,687.6 | 3.5 | 0.0\% | 10,687.3 | 3.8 | 0.0\% | 10,686.9 | 4.2 | 0.0\% | 10,686.7 | 4.4 | 0.0\% |
| ME2 | 43585 | 2000 | Above Normal | January | - | 28,195.6 | 28,193.3 | 2.3 | 0.0\% | 28,192.1 | 3.5 | 0.0\% | 28,192.1 | 3.5 | 0.0\% | 28,192.1 | 3.5 | 0.0\% | 28,192.1 | 3.5 | 0.0\% | 28,199.0 | 4.6 | 0.0\% |
| ME2 | 43585 | 2000 | Above Normal | February |  | 36,792.8 | 36,790.5 | 2.3 | 0.0\% | 36,790.5 | 2.3 | 0.0\% | 36,789.4 | 3.5 | 0.0\% | 36,789.4 | 3.5 | 0.0\% | 36,789.4 | 3.5 | 0.0\% | 36,789.4 | 3.5 | 0.0\% |
| ME 2 | 43585 | 2000 | Above Normal | March | - | 18,239.6 | 18,237.3 | 2.3 | 0.0\% | 18,237.3 | 2.3 | 0.0\% | 18,237.3 | 2.3 | 0.0\% | 18,237.3 | 2.3 | 0.0\% | 18,237.3 | 2.3 | 0.0\% | 18,236.1 | 3.5 | 0.0\% |
| ME2 | 43585 | 2000 | Above Normal | April | - | 12,256.9 | 12,255.8 | 1.2 | 0.0\% | 12,254.6 | 2.3 | 0.0\% | 12,254.6 | 2.3 | 0.0\% | 12,254.6 | 2.3 | 0.0\% | 12,254.6 | 2.3 | 0.0\% | 12,254.6 | 2.3 | 0.0\% |
| ME 2 | 43585 | 2000 | Above Normal | May | - | 7,047.6 | 7,041.7 | 5.9 | 0.1\% | 7,041.1 | 6.5 | 0.1\% | 7,040.5 | 7.1 | 0.1\% | 7,039.9 | 7.6 | 0.1\% | 7,039.2 | 8.3 | 0.1\% | 7,038.7 | 8.9 | 0.1\% |
| ME 2 | 43585 | 2000 | Above Normal | June | - | 2,594.3 | 2,585.0 | 9.4 | 0.4\% | 2,584.0 | 10.3 | 0.4\% | 2,583.0 | 11.3 | 0.4\% | 2,582.2 | 12.2 | 0.5\% | 2,581.3 | 13.1 | 0.5\% | 2,580.2 | 14.1 | 0.5\% |
| ME2 | 43585 | 2000 | Above Normal | July | - | 984.9 | 977.2 | 7.7 | 0.8\% | 976.5 | 8.4 | 0.9\% | 975.7 | 9.2 | 0.9\% | 974.9 | 10.0 | 1.0\% | 974.2 | 10.7 | 1.1\% | 973.4 | 11.5 | 1.2\% |
| ME 2 | 43585 | 2000 | Above Normal | August | -- | 514.5 | 507.6 | 6.9 | 1.3\% | 506.9 | 7.6 | 1.5\% | 506.2 | 8.3 | 1.6\% | 505.5 | 8.9 | 1.7\% | 504.8 | 9.6 | 1.9\% | 504.2 | 10.3 | 2.0\% |
| ME2 | 43585 | 2000 | Above Normal | September | Used in Summary Table Analysis | 289.1 | 283.3 | 5.9 | 2.0\% | 282.7 | 6.5 | 2.2\% | 282.1 | 7.0 | 2.4\% | 2815 | 7.6 | 2.6\% | 280.9 | 8.2 | 2.8\% | 280.3 | 8.8 | 3.0\% |
| ME2 | 43585 | 2001 | Dry | October | Used in Summary Table Analysis | 3,764.7 | 3,760.1 | 4.6 | 0.1\% | 3,759.6 | 5.1 | 0.1\% | 3,759.1 | 5.6 | 0.1\% | 3,758.6 | 6.1 | 0.2\% | 3,758.1 | ${ }_{6}^{6.6}$ | 0.2\% | $3,7577.6$ 6354 | 7.1 5 | 0.2\% |
| ME 2 | 43585 | 2001 | Dry | November | Used in Summary Table Analysis | 6,040.9 | 6,037.3 | 3.6 | 0.1\% | 6,036.9 | 3.9 | 0.1\% | 6,036.5 | 4.4 | 0.1\% | 6,036.1 | 4.7 | 0.1\% | 6,035.8 | 5.1 | 0.1\% | 6,035.4 | 5.4 | 0.1\% |
| ME2 | 43585 | 2001 | Dry | December |  | 8,754.7 | 8,751.7 | 3.0 | 0.0\% | 8,751.4 | 3.4 | 0.0\% | 8,751.2 | 3.6 | 0.0\% | 8,750.8 | 3.9 | 0.0\% | 8,750.6 | 4.2 | 0.0\% | 8,750.2 | 4.5 | 0.1\% |
| ME2 | 43585 | 2001 | Dry | January |  | 12,629.6 | 12,626.2 | 3.5 | 0.0\% | 12,626.2 | 3.5 | 0.0\% | 12,626.2 | 3.5 | 0.0\% | 12,626.2 | 3.5 | 0.0\% | 12,625.0 | 4.6 | 0.0\% | 12,625.0 | 4.6 | 0.0\% |
| ME2 | 43585 | 2001 | Dry | February | - | 17,370.4 | 17,368.1 | 2.3 | 0.0\% | 17,368.1 | 2.3 | 0.0\% | 17,368.1 | 2.3 | 0.0\% | 17,366.9 | 3.5 | 0.0\% | 17,36.9 | 3.5 | 0.0\% | 17,366.9 | 3.5 | 0.0\% |
| ME 2 | 43585 | 2001 | Dry | March | - | 12,245.4 | 12,243.1 | 2.3 | 0.0\% | 12,243.1 | 2.3 | 0.0\% | 12,243.1 | 2.3 | 0.0\% | 12,243.1 | 2.3 | 0.0\% | 12,241.9 | 3.5 | 0.0\% | 12,241.9 | 3.5 | 0.0\% |
| ME 2 | 43585 | 2001 | Dry | April | - | 10,917.9 | 10,911.7 | 6.3 | 0.1\% | 10,911.1 | 6.8 | 0.1\% | 10,910.5 | 7.4 | 0.1\% | 10,910.0 | 8.0 | 0.1\% | 10,909.3 | 8.7 | 0.1\% | 10,908.7 | ${ }^{9.3}$ | 0.1\% |
| ME 2 | 43585 | 2001 | Dry | May | - | 2,637.4 | 2,630.2 | 7.2 | 0.3\% | 2,629.5 | 7.9 | 0.3\% | 2,628.7 | 8.7 | 0.3\% | 2,628.1 | ${ }^{9.3}$ | 0.4\% | 2,627.3 | 10.1 | 0.4\% | 2,626.6 | 10.8 | 0.4\% |
| ME 2 ME 2 | 43585 | 2001 | Dry | June | - | 2,614.8 | 2,604.4 | 10.4 | 0.4\% | 2,603.4 | 11.5 | 0.4\% | 2,602.3 | 12.5 | 0.5\% | 2,601.3 | 13.5 | 0.5\% | 2,600.2 | 14.6 | 0.6\% | 2,599.2 | 15.6 | 0.6\% |
| ME ${ }_{\text {M }}$ | 43585 43585 | 2001 2001 | Dry Dry | July August | -- | 717.0 168.0 | 708.1 159.7 | 8.8 8.3 | $1.2 \%$ $5.0 \%$ | 707.2 158.8 | 9.7 9.2 | $1.4 \%$ $5.5 \%$ c, | 706.4 158.0 | 10.6 10.0 | 1.5\% | 705.5 157.2 | 11.5 10.8 | ${ }_{\text {1.6\% }}^{1.4 \%}$ | 704.6 156.3 | 12.4 11.6 | 1.7\% | 703.7 155.5 | 13.2 <br> 12.5 <br> 1 | 1.8\% ${ }_{7}$ |
| ME 2 | 43585 | 2001 | Dry | September | Used in Summary Table Analysis | 90.3 | ${ }_{83.1}$ | ${ }^{8.2}$ | 8.0\% | ${ }_{82.4}^{158.8}$ | 7.9 | 8.8\% | 88.7 | 8.7 | 9.6\% | 88.0 | ${ }_{9} 9$ | 10.4\% | ${ }_{80.2}$ | 10.1 | 11.2\% | ${ }_{79.5}$ | 10.8 | 12.0\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan





Used in Summary Table Analysis
Used in Summary table Analysis
Used in Summary Table Analysis

 Difference Percent $\frac{\begin{array}{c}\text { Percent } \\ \text { Difference }\end{array}}{0.0 \%}$
 ${ }_{0.0 \%} \xrightarrow{\text { Flo }}$
 Percent 30\% Pumping Incre Flow
Difference How Percent Percent
Difference 40\% Pumping Flow Flow
Difference
Perce (cts) Difference $\xlongequal{\text { Flow (cts })}$ Flow
Difference Flow
Difference

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  |  |  | Flow Without Pumping (cfs) | Existing Conditions |  |  | umping |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Month | Note |  | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference |
| ME 2 | 43585 | 2012 | Below Normal | June | - | 5,475.7 | 5,465.9 | 9.8 | 0.2\% | 5,464.8 | 10.9 | 0.2\% | 5,463.9 | 11.8 | 0.2\% | 5,463.0 | 12.7 | 0.2\% | 5,461.9 | 13.8 | 0.3\% | 5,461.0 | 14.7 | 0.3\% |
| ME 2 | 43585 | 2012 | Below Normal | July | - | 2,199.8 | 2,190.9 | 8.9 | 0.4\% | 2,189.9 | 9.8 | 0.4\% | 2,189.1 | 10.6 | 0.5\% | 2,188.2 | 11.6 | 0.5\% | 2,187.3 | 12.5 | 0.6\% | 2,186.5 | 13.3 | 0.6\% |
| ME 2 | 43585 | 2012 | Below Normal | August | -- | 384.1 | 377.5 | 6.7 | ${ }^{1.7 \%}$ | 376.8 | 7.3 | ${ }^{1.9 \%}$ | 376.2 | 7.9 | ${ }^{2.1 \%}$ | 375.5 | 8.6 | ${ }^{2.2 \%}$ | 374.9 | 9.2 | 2.4\% | 374.2 | 9.9 | 2.6\% |
| ME2 | 43585 | 2012 | Below Normal | September | Used in Summary Table Analysis | 242.8 | 237.1 | 5.7 | 2.3\% | 236.6 | 6.3 | 2.5\% | 236.0 | 6.9 | 2.8\% | 235.4 | 7.4 | 3.1\% | 234.9 | 8.0 | 3.3\% | 234.3 | 8.6 | 3.5\% |
| ME 2 | 43585 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,885.2 | 1,880.3 | 4.9 | 0.3\% | 1,879.9 | 5.3 | 0.3\% | 1,879.4 | 5.8 | 0.3\% | 1,878.8 | 6.4 | 0.3\% | 1,878.4 | 6.8 | 0.4\% | 1,877.9 | 7.3 | 0.4\% |
| ME2 | 43585 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,523.1 | 14,519.7 | 3.5 | 0.0\% | 14,518.5 | 4.6 | 0.0\% | 14,518.5 | 4.6 | 0.0\% | 14,518.5 | 4.6 | 0.0\% | 14,517.4 | 5.8 | 0.0\% | 14,517.4 | 5.8 | 0.0\% |
| ME2 | 43585 | 2013 | Below Normal | December | - | 59,625.0 | 59,621.5 | 3.5 | 0.0\% | 59,621.5 | 3.5 | 0.0\% | 59,620.4 | 4.6 | 0.0\% | 59,620.4 | 4.6 | 0.0\% | 59,620.4 | 4.6 | 0.0\% | 59,620.4 | 4.6 | 0.0\% |
| ME2 | 43585 | 2013 | Below Normal | January | - | 22,093.8 | 22,091.4 | 2.3 | 0.0\% | 22,091.4 | 2.3 | 0.0\% | 22,090.3 | 3.5 | 0.0\% | 22,090.3 | 3.5 | 0.0\% | 22,090.3 | 3.5 | 0.0\% | 22,090.3 | 3.5 | 0.0\% |
| ME2 | 43585 | 2013 | Below Normal | February | - | 8,796.3 | 8,793.8 | 2.5 | 0.0\% | 8,793.5 | 2.8 | 0.0\% | 8,793.3 | 3.0 | 0.0\% | 8,792.9 | 3.4 | 0.0\% | 8,792.7 | 3.6 | 0.0\% | 8,792.5 | 3.8 | 0.0\% |
| ME 2 | 43585 | 2013 | Below Normal | March | - | 10,255.1 | 10,252.8 | 2.3 | 0.0\% | 10,252.5 | 2.5 | 0.0\% | 10,252.3 | 2.8 | 0.0\% | 10,252.1 | 3.0 | 0.0\% | 10,251.9 | 3.2 | 0.0\% | 10,251.5 | 3.6 | 0.0\% |
| ME2 | 43585 | 2013 | Below Normal | April | - | 8,269.4 | 8,263.7 | 5.8 | 0.1\% | 8,263.1 | 6.4 | 0.1\% | 8,262.5 | 6.9 | 0.1\% | 8,261.9 | 7.5 | 0.1\% | 8,261.3 | 8.1 | 0.1\% | 8,260.9 | 8.6 | 0.1\% |
| ME2 | 43585 | 2013 | Below Normal | May | - | 4,402.3 | 4,395.5 | 6.8 | 0.2\% | 4,394.8 | 7.5 | 0.2\% | 4,394.1 | 8.2 | 0.2\% | 4,393.5 | 8.8 | 0.2\% | 4,392.8 | 9.5 | 0.2\% | 4,392.1 | 10.2 | 0.2\% |
| ME2 | 43585 | 2013 | Below Normal | June | - | 2,102.1 | 2,093.3 | 8.8 | 0.4\% | 2,092.5 | 9.6 | 0.5\% | 2,091.6 | 10.5 | 0.5\% | 2,090.6 | 11.5 | 0.5\% | 2,089.8 | 12.3 | 0.6\% | 2,088.9 | 13.2 | 0.6\% |
| ME2 | 43585 | 2013 | Below Normal | July | - | 715.5 | 707.7 | 7.8 | 1.1\% | 706.9 | 8.6 | 1.2\% | 706.1 | 9.4 | 1.3\% | 705.3 | 10.2 | 1.4\% | 704.5 | 10.9 | 1.5\% | 703.8 | 11.7 | 1.6\% |
| ME 2 | 43585 | 2013 | Below Normal | August | -- | 335.2 | 328.1 | 7.1 | 2.1\% | 327.4 | 7.8 | 2.3\% | 326.7 | 8.5 | 2.5\% | 326.0 | 9.2 | 2.7\% | 325.3 | 9.9 | 2.9\% | 324.6 | 10.6 | 3.2\% |
| ME2 | 43585 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,743.1 | 4,735.6 | 7.4 | 0.2\% | 4,735.0 | 8.1 | 0.2\% | 4,734.1 | 8.9 | 0.2\% | 4,733.4 | 9.6 | 0.2\% | 4,732.8 | 10.3 | 0.2\% | 4,731.9 | 11.1 | 0.2\% |
| ME2 | 43585 | 2014 | Critical | October | Used in Summary Table Analysis | 281.3 | 276.3 | 5.0 | 1.8\% | 275.8 | 5.4 | 1.9\% | 275.3 | 5.9 | 2.1\% | 274.8 | 6.4 | 2.3\% | 274.3 | 6.9 | 2.5\% | 273.9 | 7.4 | 2.6\% |
| ME2 | 43585 | 2014 | Critical | November | Used in Summary Table Analysis | 1,516.0 | 1,512.2 | 3.8 | 0.3\% | 1,511.8 | 4.2 | 0.3\% | 1,511.5 | 4.5 | 0.3\% | 1,511.0 | 5.0 | 0.3\% | 1,510.6 | 5.3 | 0.4\% | 1,510.3 | 5.7 | 0.4\% |
| ME2 | 43585 | 2014 | Critical | December |  | 1,577.4 | 1,574.3 | 3.1 | 0.2\% | 1,574.0 | 3.5 | 0.2\% | 1,573.6 | 3.8 | 0.2\% | 1,573.3 | 4.2 | 0.3\% | 1,573.0 | 4.4 | 0.3\% | 1,572.7 | 4.7 | 0.3\% |
| ME2 | 43585 | 2014 | Critical | January | -- | 2,798.4 | 2,795.6 | 2.8 | 0.1\% | 2,795.4 | 3.0 | 0.1\% | 2,795.0 | 3.4 | 0.1\% | 2,994.8 | 3.6 | 0.1\% | 2,794.4 | 3.9 | 0.1\% | 2,794.2 | 4.2 | 0.1\% |
| ME2 | 43585 | 2014 | Critical | February | -- | 15,680.6 | 15,678.2 | 2.3 | 0.0\% | 15,678.2 | 2.3 | 0.0\% | 15,678.2 | 2.3 | 0.0\% | 15,678.2 | 2.3 | 0.0\% | 15,677.1 | 3.5 | 0.0\% | 15,677.1 | 3.5 | 0.0\% |
| ME2 | 43585 | 2014 | Critical | March | - | 31,391.2 | 31,388.9 | 2.3 | 0.0\% | 31,388.9 | 2.3 | 0.0\% | 31,388.9 | 2.3 | 0.0\% | 31,388.9 | 2.3 | 0.0\% | 31,388.9 | 2.3 | 0.0\% | 31,387.7 | 3.5 | 0.0\% |
| ME2 | 43585 | 2014 | Critical | April | - | 12,958.3 | 12,951.4 | 6.9 | 0.1\% | 12,951.4 | 6.9 | 0.1\% | 12,950.2 | 8.1 | 0.1\% | 12,950.2 | 8.1 | 0.1\% | 12,949.1 | 9.3 | 0.1\% | 12,949.1 | 9.3 | 0.1\% |
| ME2 | 43585 | 2014 | Critical | May | - | 5,169.0 | 5,161.7 | 7.3 | 0.1\% | 5,160.9 | 8.1 | 0.2\% | 5,160.2 | 8.8 | 0.2\% | 5,159.5 | 9.5 | 0.2\% | 5,158.7 | 10.3 | 0.2\% | 5,158.0 | 11.0 | 0.2\% |
| ME2 | 43585 | 2014 | Critical | June | - | 1,191.4 | 1,180.8 | 10.6 | 0.9\% | 1,179.7 | 11.7 | 1.0\% | 1,178.7 | 12.7 | 1.1\% | 1,177.7 | 13.8 | 1.2\% | 1,176.6 | 14.8 | 1.2\% | 1,175.6 | 15.9 | 1.3\% |
| ME2 | 43585 | 2014 | Critical | July | - | 542.7 | 533.8 | 9.0 | 1.7\% | 532.9 | 9.9 | 1.8\% | 532.0 | 10.8 | 2.0\% | 531.1 | 11.6 | 2.1\% | 530.2 | 12.5 | 2.3\% | 529.3 | 13.4 | 2.5\% |
| ME2 | 43585 | 2014 | Critical | August | -- | 343.0 | 334.7 | 8.3 | 2.4\% | 333.9 | 9.1 | 2.7\% | 333.1 | 9.9 | 2.9\% | 332.2 | 10.8 | 3.1\% | 331.4 | 11.6 | 3.4\% | 330.6 | 12.4 | 3.6\% |
| ME2 | 43585 | 2014 | Critical | September | Used in Summary Table Analysis | 2,553.7 | 2,545.5 | 8.2 | 0.3\% | 2,544.7 | 9.0 | 0.4\% | 2,543.9 | 9.8 | 0.4\% | 2,543.1 | 10.6 | 0.4\% | 2,542.1 | 11.6 | 0.5\% | 2,541.3 | 12.4 | 0.5\% |
| ME2 | 43585 | 2015 | Dry | October | Used in Summary Table Analysis | 11,281.3 | 11,275.3 | 5.9 | 0.1\% | 11,274.8 | 6.5 | 0.1\% | 11,274.2 | 7.1 | 0.1\% | 11,272.9 | 8.3 | 0.1\% | 11,272.3 | 8.9 | 0.1\% | 11,271.8 | 9.5 | 0.1\% |
| ME2 | 43585 | 2015 | Dry | November | Used in Summary Table Analysis | 8,955.0 | 8,950.6 | 4.4 | 0.0\% | 8,950.1 | 4.9 | 0.1\% | 8,949.7 | 5.3 | 0.1\% | 8,949.3 | 5.7 | 0.1\% | 8,948.8 | 6.1 | 0.1\% | 8,948.4 | 6.6 | 0.1\% |
| ME2 | 43585 | 2015 | Dry | December |  | 32,299.8 | 32,296.3 | 3.5 | 0.0\% | 32,295.1 | 4.6 | 0.0\% | 32,295.1 | 4.6 | 0.0\% | 32,295.1 | 4.6 | 0.0\% | 32,294.0 | 5.8 | 0.0\% | 32,294.0 | 5.8 | 0.0\% |
| ME 2 | 43585 | 2015 | Dry | January | -- | 14,530.1 | 14,526.6 | 3.5 | 0.0\% | 14,526.6 | 3.5 | 0.0\% | 14,525.5 | 4.6 | 0.0\% | 14,525.5 | 4.6 | 0.0\% | 14,525.5 | 4.6 | 0.0\% | 14,525.5 | 4.6 | 0.0\% |
| ME 2 | 43585 | 2015 | Dry | February | -- | 27,110.0 | 27,107.6 | 2.3 | 0.0\% | 27,106.5 | 3.5 | 0.0\% | 27,106.5 | 3.5 | 0.0\% | 27,106.5 | 3.5 | 0.0\% | 27,106.5 | 3.5 | 0.0\% | 27,105.3 | 4.6 | 0.0\% |
| ME2 | 43585 | 2015 | Dry | March | -- | 11,542.0 | 11,539.6 | 2.4 | 0.0\% | 11,539.4 | 2.7 | 0.0\% | 11,539.1 | 2.9 | 0.0\% | 11,538.9 | 3.1 | 0.0\% | 11,538.7 | 3.4 | 0.0\% | 11,538.3 | 3.7 | 0.0\% |
| ME2 | 43585 | 2015 | Dry | April | - | 8,305.8 | 8,299.4 | 6.4 | 0.1\% | 8,298.8 | 6.9 | 0.1\% | 8,298.3 | 7.5 | 0.1\% | 8,297.6 | 8.2 | 0.1\% | 8,297.0 | 8.8 | 0.1\% | 8,296.3 | 9.5 | 0.1\% |
| ME2 | 43585 | 2015 | Dry | May | - | 1,508.7 | 1,501.4 | 7.3 | 0.5\% | 1,500.6 | 8.1 | 0.5\% | 1,499.9 | 8.8 | 0.6\% | 1,499.2 | 9.5 | 0.6\% | 1,498.4 | 10.3 | 0.7\% | 1,497.7 | 11.0 | 0.7\% |
| ME2 | 43585 | 2015 | Dry | June | - | 650.3 | 640.4 | 9.9 | 1.5\% | 639.4 | 10.9 | 1.7\% | 638.4 | 11.9 | 1.8\% | 637.4 | 12.9 | 2.0\% | 636.4 | 13.9 | 2.1\% | 635.5 | 14.9 | 2.3\% |
| ME 2 | 43585 | 2015 | Dry | July | - | 266.0 | 257.0 | 9.0 | 3.4\% | 256.1 | 9.9 | 3.7\% | 255.2 | 10.8 | 4.1\% | 254.3 | 11.7 | 4.4\% | 253.4 | 12.6 | 4.7\% | 252.5 | 13.5 | 5.1\% |
| ME2 | 43585 | 2015 | Dry | August | -- | 162.0 | 153.7 | 8.4 | 5.2\% | 152.8 | 9.2 | 5.7\% | 152.0 | 10.0 | 6.2\% | 151.2 | 10.9 | 6.7\% | 150.3 | 11.7 | 7.2\% | 149.5 | 12.5 | 7.7\% |
| ME2 | 43585 | 2015 | Dry | September | Used in Summary Table Analysis | 117.5 | 110.1 | 7.3 | ${ }^{6.7 \%}$ | 109.4 | 8.0 | ${ }^{6.8 \%}$ | 108.7 | 8.7 | 7.4\% | 108.0 | 9.5 | 8.1\% | 107.2 | 10.2 | 8.7\% | 106.5 | 10.9 | 9.3\% |
| ME 2 | 43585 | 2016 | Above Normal | October | Used in Summary Table Analysis | 83.2 | 77.0 | 6.2 | 7.5\% | 76.3 | 6.9 | 8.3\% | 75.7 | 7.5 | 9.0\% | 75.6 | 7.5 | 9.0\% | 75.2 | 8.0 | 9.6\% | 74.2 | 9.0 | 10.8\% |
| ME2 | 43585 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,793.5 | 3,789.1 | 4.4 | 0.1\% | 3,788.7 | 4.9 | 0.1\% | 3,788.2 | 5.3 | 0.1\% | 3,787.7 | 5.8 | 0.2\% | 3,787.3 | 6.3 | 0.2\% | 3,786.9 | 6.6 | 0.2\% |
| ME2 | 43585 | 2016 | Above Normal | December | - | 36,245.4 | 36,240.7 | 4.6 | 0.0\% | 36,240.7 | 4.6 | 0.0\% | 36,240.7 | 4.6 | 0.0\% | 36,239.6 | 5.8 | 0.0\% | 36,239.6 | 5.8 | 0.0\% | 36,239.6 | 5.8 | 0.0\% |
| ME2 | 43585 | 2016 | Above Normal | January | -- | 56,924.8 | 56,922.5 | 2.3 | 0.0\% | 56,921.3 | 3.5 | 0.0\% | 56,921.3 | 3.5 | 0.0\% | 56,921.3 | 3.5 | 0.0\% | 56,920.1 | 4.6 | 0.0\% | 56,920.1 | 4.6 | 0.0\% |
| ME2 | 43585 | 2016 | Above Normal | February |  | 24,204,9 | 24,202.5 | 2.3 | 0.0\% | 24,201.4 | 3.5 | 0.0\% | 24,201.4 | 3.5 | 0.0\% | 24,201.4 | 3.5 | 0.0\% | 24,201.4 | 3.5 | 0.0\% | 24,201.4 | 3.5 | 0.0\% |
| ME 2 | 43585 | 2016 | Above Normal | March | - | 41,596.1 | 41,593.8 | 2.3 | 0.0\% | 41,593.8 | 2.3 | 0.0\% | 41,592.6 | 3.5 | 0.0\% | 41,592.6 | 3.5 | 0.0\% | 41,592.6 | 3.5 | 0.0\% | $41,592.6$ | 3.5 | 0.0\% |
| ME2 | 43585 | 2016 | Above Normal | April | - | 18,487.3 | 18,485.0 | 2.3 | 0.0\% | 18,485.0 | 2.3 | 0.0\% | 18,483.8 | 3.5 | 0.0\% | 18,483.8 | 3.5 | 0.0\% | 18,483.8 | 3.5 | 0.0\% | 18,483.8 | 3.5 | 0.0\% |
| ME 2 | 43585 | 2016 | Above Normal | May | - | 5,198.7 | 5,195.6 | 3.1 | 0.1\% | 5,195.3 | 3.5 | 0.1\% | 5,194.9 | 3.8 | 0.1\% | 5,194.6 | 4.2 | 0.1\% | 5,194.2 | 4.5 | 0.1\% | 5,193.9 | 4.9 | 0.1\% |
| ME 2 | 43585 | 2016 | Above Normal | June | - | 1,503.7 | 1,496.2 | 7.5 | 0.5\% | 1,495.5 | 8.2 | 0.5\% | 1,494.8 | 8.9 | 0.6\% | 1,494.0 | 9.7 | 0.6\% | 1,493.3 | 10.4 | 0.7\% | 1,492.6 | 11.1 | 0.7\% |
| ME2 | 43585 | 2016 | Above Normal | July | - | 816.6 | 808.8 | 7.8 | 1.0\% | 808.0 | 8.5 | 1.0\% | 807.3 | 9.3 | 1.1\% | 806.5 | 10.1 | 1.2\% | 805.7 | 10.9 | 1.3\% | 804.9 | 11.6 | 1.4\% |
| ME 2 | 43585 | 2016 | Above Normal | August | -- | 484.8 | 477.5 | 7.2 | 1.5\% | 476.8 | 8.0 | 1.6\% | 476.1 | 8.7 | 1.8\% | 475.4 | 9.4 | 1.9\% | 474.6 | 10.1 | 2.1\% | 473.9 | 10.8 | 2.2\% |
| ME2 | 43585 | 2016 | Above Normal | September | Used in Summary Table Analysis | 321.6 | 315.5 | 6.1 | 1.9\% | 314.9 | 6.7 | 2.1\% | 314.3 | 7.3 | 2.3\% | 313.7 | 8.0 | 2.5\% | 313.1 | 8.6 | 2.7\% | 312.5 | 9.2 | 2.9\% |
| ME2 | 43585 | 2017 | Wet | October | Used in Summary Table Analysis | 18,137.7 | 18,133.1 | 4.6 | 0.0\% | 18,133.1 | 4.6 | 0.0\% | 18,131.9 | 5.8 | 0.0\% | 18,131.9 | 5.8 | 0.0\% | 18,130.8 | 6.9 | 0.0\% | 18,130.8 | 6.9 | 0.0\% |
| ME2 | 43585 | 2017 | Wet | November | Used in Summary Table Analysis | 18,660.9 | 18,657.4 | 3.5 | 0.0\% | 18,657.4 | 3.5 | 0.0\% | 18,657.4 | 3.5 | 0.0\% | 18,656.3 | 4.6 | 0.0\% | 18,656.3 | 4.6 | 0.0\% | 18,656.3 | 4.6 | 0.0\% |
| ME 2 | 43585 | 2017 | Wet | December |  | 23,858.8 | 23,855.3 | 3.5 | 0.0\% | 23,855.3 | 3.5 3 | 0.0\% | 23,854.2 | 4.6 3 | 0.0\% | $23,854.2$ 106, 148.1 P1, | 4.6 3 | 0.0\% |  | 4.6 3.5 | 0.0\% $0.0 \%$ | $23,854.2$ 106,147.0 | 4.6 4.6 | 0.0\% $0.0 \%$ $0.0 \%$ |
| ME2 | 43585 | 2017 | Wet | January |  | 106,151.6 | 106,149.3 | 2.3 | 0.0\% | 106,148.1 | 3.5 | 0.0\% | 106,148.1 | 3.5 | 0.0\% | 106,148.1 | 3.5 | 0.0\% | 106,148.1 | 3.5 | 0.0\% | 106,147.0 | 4.6 | 0.0\% |
| ME2 | 43585 | 2017 | Wet | February | -- | 81,398.1 | 81,395.8 | 2.3 | 0.0\% | 81,394.7 | 3.5 | 0.0\% | 81,394.7 | 3.5 | 0.0\% | 81,394.7 | 3.5 | 0.0\% | 81,394.7 | 3.5 | 0.0\% | 81,393.5 | 4.6 | 0.0\% |
| ME 2 | 43585 | 2017 | Wet | March | -- | 27,136.6 | 27,134.3 | 2.3 | 0.0\% | 27,134.3 | 2.3 | 0.0\% | $27,134.3$ 22,788 | 2.3 | 0.0\% | $27,134.3$ <br> 22788 | 2.3 | 0.0\% | $27,133.1$ 22,78.2 | 3.5 <br> 2 | 0.0\% | $27,133.1$ 227870 | 3.5 3.5 | 0.0\% |
| ME2 | 43585 | 2017 | Wet | April | - | 22,790.5 | 22,788.2 | 2.3 | 0.0\% | 22,788.2 | 2.3 | 0.0\% | 22,788.2 | 2.3 | 0.0\% | 22,788.2 | 2.3 | 0.0\% | 22,788.2 | 2.3 | 0.0\% | 22,787.0 | 3.5 | 0.0\% |
| ME 2 | 43585 | 2017 | Wet | May | - | 6,269.3 | 6,266.1 | 3.2 78 | 0.1\% | 6,265.7 | 3.6 86 | 0.1\% | 6,265.4 | 3.9 | 0.1\% | 6,265.0 | $\stackrel{4.3}{101}$ | 0.1\% | 6,264.7 | 4.6 10.9 | 0.1\% | 6,264.5 2,0877 | 4.9 | $0.1 \%$ $0.6 \%$ |
| ME 2 ME 2 | 43585 | 2017 | Wet | June | - | 2,099.4 | 2,091.7 | 7.8 | 0.4\% | 2,090.9 | 8.6 | 0.4\% | 2,099.0 | 9.4 | 0.4\% | 2,089.4 | 10.1 | 0.5\% | 2,088.5 | 10.9 | 0.5\% | 2,087.7 | 11.7 | $0.6 \%$ <br> $1.3 \%$ |
| ME ${ }_{\text {M }}$ | 43585 43585 | 2017 | Wet | ${ }^{\text {July }}$ | - | 924.7 | 916.9 | 7.8 72 | 0.8\% | 916.2 | 8.6 79 | 0.9\% | 915.4 | 9.4 8.6 | 1.0\% $1.7 \%$ 2, | 914.6 <br> 4877 | 10.1 9.4 | $1.1 \%$ $1.9 \%$ 1, | 913.8 <br> 4870 | 10.9 10.1 | $1.2 \%$ $2.0 \%$ $2.0 \%$ | ${ }_{486.3}^{913.1}$ | 11.7 <br> 10.8 | 1.3\% |
| ME 2 | 43585 | 2017 | Wet | September | Used in Summary Table Analysis | 315.1 | 308.5 | 6.6 | 2.1\% | 307.8 | 7.3 | 2.3\% | 307.2 | 8.0 | 2.5\% | 306.5 | 8.6 | 2.7\% | 305.8 | 9.3 | 2.9\% | 305.2 | ${ }_{9} 9$ | 3.2\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | FlowWithout Pumping (cfs) | Existing Conditions |  |  | umping |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \end{aligned}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | $\begin{gathered} \text { Percent } \\ \text { Difference } \end{gathered}$ |
| me 2 | 42596 | 2002 | Below Normal |  | February | -- | 24,563.7 | 24,561.3 | 2.3 | 0.0\% | 24,560.2 | 3.5 | 0.0\% | 24,560.2 | 3.5 | 0.0\% | 24,560.2 | 3.5 | 0.0\% | 24,560.2 | 3.5 | 0.0\% | 24,599.0 | 4.6 | 0.0\% |
| ME2 | 42596 | 2002 | Below Normal | March | - | 17,692.1 | 17,688.7 | 3.5 | 0.0\% | 17,688.7 | 3.5 | 0.0\% | 17,688.7 | 3.5 | 0.0\% | 17,688.7 | 3.5 | 0.0\% | 17,687.5 | 4.6 | 0.0\% | 17,687.5 | 4.6 | 0.0\% |
| MEE2 | 42596 | 2002 | Below Normal | April | - | 9,893.3 | 9,887.0 | 6.3 | 0.1\% | 9,886.3 | 6.9 | 0.1\% | 9,885.8 | 7.5 | 0.1\% | 9,885.1 | 8.2 | 0.1\% | 9,884.5 | 8.8 | 0.1\% | 9,883.9 | 9.4 | 0.1\% |
| ME 2 | 42596 | 2002 | Below Normal | May | - | 3,310.0 | 3,302.7 | 7.3 | 0.2\% | 3,302.0 | 8.0 | 0.2\% | 3,301.3 | 8.7 | 0.3\% | 3,300.5 | 9.5 | 0.3\% | 3,299.8 | 10.2 | 0.3\% | 3,299.0 | 11.0 | 0.3\% |
| ME2 | 42596 | 2002 | Below Normal | June | - | 851.4 | 842.7 | 8.8 | 1.0\% | 841.8 | 9.6 | 1.1\% | 840.9 | 10.5 | 1.2\% | 840.1 | 11.4 | 1.3\% | 839.2 | 12.3 | 1.4\% | 838.3 | 13.1 | 1.5\% |
| ME 2 | 42596 | 2002 | Below Normal | July | - | 359.8 | 351.4 | 8.4 | 2.3\% | 350.6 | 9.2 | 2.6\% | 349.7 | 10.0 | 2.8\% | 348.9 | 10.9 | 3.0\% | 348.1 | 11.7 | 3.2\% | 347.2 | 12.5 | 3.5\% |
| ME2 | 42596 | 2002 | Below Normal | August | -- | 223.1 | 215.5 | 7.6 | 3.4\% | 214.8 | 8.4 | 3.8\% | 214.0 | 9.2 | 4.1\% | 213.2 | 9.9 | 4.5\% | 212.5 | 10.7 | 4.8\% | 211.7 | 11.4 | 5.1\% |
| ME2 | 42596 | 2002 | Below Normal | September | Used in Summary Table Analysis | 160.3 | 153.4 | 6.9 | 4.3\% | 152.7 | 7.6 | 4.8\% | 152.0 | 8.3 | 5.2\% | 151.3 | 9.0 | 5.6\% | 150.6 | 9.7 | 6.1\% | 149.9 | 10.4 | 6.5\% |
| ME2 | 42596 | 2003 | Wet | October | Used in Summary Table Analysis | 125.5 | 12.0 | 5.5 | 4.3\% | 119.5 | 6.0 | 4.8\% | 118.9 | 6.6 | 5.2\% | 118.4 | 7.1 | 5.7\% | 117.8 | 7.7 | 6.1\% | 117.3 | 8.2 | 6.5\% |
| ME 2 | 42596 | 2003 | Wet | November | Used in Summary Table Analysis | 890.4 | 886.2 | 4.2 | 0.5\% | 885.8 | 4.6 | 0.5\% | 885.3 | 5.0 | 0.6\% | 884.9 | 5.5 | 0.6\% | 884.5 | 5.9 | 0.7\% | 884.1 | 6.3 | 0.7\% |
| ME2 | 42596 | 2003 | Wet | December |  | 56,106.5 | 56,103.0 | 3.5 | 0.0\% | 56,103.0 | 3.5 | 0.0\% | 56,101.9 | 4.6 | 0.0\% | 56,101.9 | 4.6 | 0.0\% | 56,101.9 | 4.6 | 0.0\% | 56,100.7 | 5.8 | 0.0\% |
| ME2 | 42596 | 2003 | Wet | January | -- | 31,384,3 | 31,381.9 | 2.3 | 0.0\% | 31,380.8 | 3.5 | 0.0\% | 31,380.8 | 3.5 | 0.0\% | 31,380.8 | 3.5 | 0.0\% | 31,380.8 | 3.5 | 0.0\% | 31,379.6 | 4.6 | 0.0\% |
| ME2 | 42596 | 2003 | Wet | February | -- | 20,277.8 | 20,275.5 | 2.3 | 0.0\% | 20,274.3 | 3.5 | 0.0\% | 20,274.3 | 3.5 | 0.0\% | 20,274.3 | 3.5 | 0.0\% | 20,274.3 | 3.5 | 0.0\% | 20,273.1 | 4.6 | 0.0\% |
| ME2 | 42596 | 2003 | Wet | March | - | 23,916,7 | 23,914.4 | 2.3 | 0.0\% | 23,914.4 | 2.3 | 0.0\% | 23,913.2 | 3.5 | 0.0\% | 23,913.2 | 3.5 | 0.0\% | 23,913.2 | 3.5 | 0.0\% | 23,913.2 | 3.5 | 0.0\% |
| ME2 | 42596 | 2003 | Wet | April | - | 42,619.2 | 42,616.9 | 2.3 | 0.0\% | 42,615.7 | 3.5 | 0.0\% | 42,615.7 | 3.5 | 0.0\% | 42,615.7 | 3.5 | 0.0\% | 42,615.7 | 3.5 | 0.0\% | 42,615.7 | 3.5 | 0.0\% |
| ME2 | 42596 | 2003 | Wet | May | - | 12,186, 3 | 12,179.4 | 6.9 | 0.1\% | 12,179.4 | 6.9 | 0.1\% | 12,178.2 | 8.1 | 0.1\% | 12,177.1 | 9.3 | 0.1\% | 12,177.1 | 9.3 | 0.1\% | 12,175.9 | 10.4 | 0.1\% |
| ME2 | 42596 | 2003 | Wet | June | - | 3,160.1 | 3,151.7 | 8.3 | 0.3\% | 3,150.9 | 9.1 | 0.3\% | 3,150.1 | 10.0 | 0.3\% | 3,149.3 | 10.8 | 0.3\% | 3,148.5 | 11.6 | 0.4\% | 3,147.7 | 12.4 | 0.4\% |
| ME2 | 42596 | 2003 | Wet | July | - | 1,467.5 | 1,459.1 | 8.3 | 0.6\% | 1,458.3 | 9.1 | 0.6\% | 1,457.5 | 10.0 | 0.7\% | 1,456.7 | 10.8 | 0.7\% | 1,455.8 | 11.7 | 0.8\% | 1,455.0 | 12.5 | 0.9\% |
| ME2 | 42596 | 2003 | Wet | August | -- | 754.3 | 74.6 | 7.8 | 1.0\% | 745.8 | 8.5 | 1.1\% | 745.0 | 9.3 | 1.2\% | 744.2 | 10.1 | 1.3\% | 743.4 | 10.9 | 1.4\% | 742.7 | 11.7 | 1.5\% |
| ME 2 | 42596 | 2003 | Wet | September | Used in Summary Table Analysis | 453.0 | 446.7 | 6.3 | 1.4\% | 446.1 | 6.9 | 1.5\% | 445.4 | 7.6 | 1.7\% | 444.8 | 8.2 | 1.8\% | 444.2 | 8.8 | 1.9\% | 443.6 | 9.5 | 2.1\% |
| ME2 | 42596 | 2004 | Wet | October | Used in Summary Table Analysis | 320.2 | 315.2 | 5.0 | 1.6\% | 314.7 | 5.5 | 1.7\% | 314.2 | 6.0 | 1.9\% | 313.7 | 6.5 | 2.0\% | 313.2 | 7.0 | 2.2\% | 312.7 | 7.5 | 2.4\% |
| ME2 | 42596 | 2004 | Wet | November | Used in Summary Table Analysis | 5,726.6 | 5,722.8 | 3.8 | 0.1\% | 5,722.3 | 4.3 | 0.1\% | 5,722.0 | 4.6 | 0.1\% | 5,721.6 | 5.0 | 0.1\% | 5,721.2 | 5.4 | 0.1\% | 5,720.8 | 5.8 | 0.1\% |
| ME 2 | 42596 | 2004 | Wet | December |  | 35,957.2 | 35,953.7 | 3.5 | 0.0\% | 35,953.7 | 3.5 | 0.0\% | 35,953.7 | 3.5 | 0.0\% | 35,953.7 | 3.5 | 0.0\% | 35,952.5 | 4.6 | 0.0\% | 35,952.5 | 4.6 | 0.0\% |
| ME2 | 42596 | 2004 | Wet | January | -- | 31,232.6 | 31,230.3 | 2.3 | 0.0\% | 31,230.3 | 2.3 | 0.0\% | 31,229.2 | 3.5 | 0.0\% | 31,299.2 | 3.5 | 0.0\% | 31,229.2 | 3.5 | 0.0\% | 31,229.2 | 3.5 | 0.0\% |
| ME2 | 42596 | 2004 | Wet | February | -- | 38,005.8 | 38,003.5 | 2.3 | 0.0\% | 38,002.3 | 3.5 | 0.0\% | 38,002.3 | 3.5 | 0.0\% | 38,002.3 | 3.5 | 0.0\% | 38,002.3 | 3.5 | 0.0\% | 38,001.2 | 4.6 | 0.0\% |
| ME2 | 42596 | 2004 | Wet | March | - | 16,485.0 | 16,482.6 | 2.3 | 0.0\% | 16,481.5 | 3.5 | 0.0\% | 16,481.5 | 3.5 | 0.0\% | 16,481.5 | 3.5 | 0.0\% | 16,481.5 | 3.5 | 0.0\% | 16,481.5 | 3.5 | 0.0\% |
| ME2 | 42596 | 2004 | Wet | April | - | 9,422.8 | 9,420.6 | 2.2 | 0.0\% | 9,420.4 | 2.4 | 0.0\% | 9,420.1 | 2.7 | 0.0\% | 9,419.9 | 2.9 | 0.0\% | 9,419.7 | 3.1 | 0.0\% | 9,419.4 | 3.4 | 0.0\% |
| ME 2 | 42596 | 2004 | Wet | May | - | 3,398.4 | 3,392.2 | 6.1 | 0.2\% | 3,391.6 | 6.8 | 0.2\% | 3,391.0 | 7.4 | 0.2\% | 3,390.3 | 8.1 | 0.2\% | 3,389.7 | 8.7 | 0.3\% | 3,389.1 | 9.3 | 0.3\% |
| ME2 | 42596 | 2004 | Wet | June | - | 689.9 | 682.1 | 7.8 | 1.1\% | 681.4 | 8.6 | 1.2\% | 680.6 | 9.4 | 1.4\% | 679.8 | 10.1 | 1.5\% | 679.0 | 10.9 | 1.6\% | 678.3 | 11.7 | 1.7\% |
| ME 2 | 42596 | 2004 | Wet | July | - | 352.0 | 344.0 | 8.1 | 2.3\% | 343.2 | 8.9 | 2.5\% | 342.4 | 9.7 | 2.8\% | 341.6 | 10.5 | 3.0\% | 340.8 | 11.3 | 3.2\% | 339.9 | 12.1 | 3.4\% |
| ME 2 | 42596 | 2004 | Wet | August | -- | ${ }^{221.6}$ | 214.3 | 7.3 | 3.3\% | 213.6 | 8.0 | 3.6\% | 212.8 | 8.7 | 3.9\% | ${ }^{212.1}$ | 9.5 | 4.3\% | 211.4 | 10.2 | 4.6\% | 210.7 | 10.9 | 4.9\% |
| ME2 | 42596 | 2004 | Wet | September | Used in Summary Table Analysis | 159.2 | 152.3 | 6.9 | 4.3\% | 151.6 | 7.6 | 4.8\% | 150.9 | 8.3 | 5.2\% | 150.2 | 9.0 | 5.6\% | 149.5 | 9.7 | 6.1\% | 148.8 | 10.4 | 6.5\% |
| ME2 | 42596 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,588.1 | 7,577.0 | 5.1 | 0.1\% | 7,576.4 | 5.7 | 0.1\% | 7,575.9 | 6.1 | 0.1\% | 7,575.3 | 6.7 | ${ }^{0.1 \%}$ | 7,574.9 | 7.2 | 0.1\% | 7,574.3 | 7.8 58 | 0.1\% |
| ME2 | 42596 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,245.5 | 2,241.7 | 3.8 | 0.2\% | 2,241.2 | 4.3 | 0.2\% | 2,240.9 | 4.6 | 0.2\% | 2,240.5 | 5.0 | 0.2\% | 2,240.0 | 5.4 | 0.2\% | 2,239.7 | 5.8 | 0.3\% |
| ME2 | 42596 | 2005 | Above Normal | December |  | 20,732.6 | 20,729.2 | 3.5 | 0.0\% | 20,729.2 | 3.5 | 0.0\% | 20,729.2 | 3.5 | 0.0\% | 20,728.0 | 4.6 | 0.0\% | 20,728.0 | 4.6 | 0.0\% | 20,728.0 | 4.6 | 0.0\% |
| ME2 | 42596 | 2005 | Above Normal | January | -- | 22,153.9 | 22,150.5 | 3.5 | 0.0\% | 22,150.5 | 3.5 | 0.0\% | 22,150.5 | 3.5 | 0.0\% | 22,199.3 | 4.6 | 0.0\% | 22,149.3 | 4.6 | 0.0\% | 22,149.3 | 4.6 | 0.0\% |
| ME2 | 42596 | 2005 | Above Normal | February | - | 13,972.2 | 13,969.9 | 2.3 | 0.0\% | 13,969.9 | 2.3 | 0.0\% | 13,969.9 | 2.3 | 0.0\% | 13,968.8 | 3.5 | 0.0\% | 13,968.8 | 3.5 | 0.0\% | 13,968.8 | 3.5 | 0.0\% |
| ME 2 | 42596 | 2005 | Above Normal | March | - | 28,392.4 | 28,390.0 | 2.3 | 0.0\% | 28,390.0 | 2.3 | 0.0\% | 28,390.0 | 2.3 | 0.0\% | 28,390.0 | 2.3 | 0.0\% | 28,390.0 | 2.3 | 0.0\% | 28,388.9 | 3.5 | 0.0\% |
| ME2 | 42596 | 2005 | Above Normal | April | - | 21,331.0 | 21,328.7 | 2.3 | 0.0\% | 21,328.7 | 2.3 | 0.0\% | 21,328.7 | 2.3 | 0.0\% | 21,328.7 | 2.3 | 0.0\% | 21,327.5 | 3.5 | 0.0\% | 21,327.5 | 3.5 | 0.0\% |
| ME2 | 42596 | 2005 | Above Normal | May | - | 19,434.0 | 19,427.1 | 6.9 | 0.0\% | 19,427.1 | 6.9 | 0.0\% | 19,425.9 | 8.1 | 0.0\% | 19,424.8 | 9.3 | 0.0\% | 19,424.8 | 9.3 | 0.0\% | 19,423.6 | 10.4 | 0.1\% |
| ME2 | 42596 | 2005 | Above Normal | June | - | 15,709.5 | 15,699.1 | 10.4 | 0.1\% | 15,697.9 | 11.6 | 0.1\% | 15,696.8 | 12.7 | 0.1\% | 15,695.6 | 13.9 | 0.1\% | 15,6995.6 | 13.9 | 0.1\% | 15,694.4 | 15.0 | 0.1\% |
| ME2 | 42596 | 2005 | Above Normal | July | - | 2,864.6 | 2,856.0 | 8.6 | 0.3\% | 2,855.2 | 9.4 | 0.3\% | 2,854.3 | 10.3 | 0.4\% | 2,853.5 | 11.1 | 0.4\% | 2,852.7 | 11.9 | 0.4\% | 2,851.7 | 12.8 | 0.4\% |
| ME 2 | 42596 | 2005 | Above Normal | August | - | ${ }^{976.7}$ | 969.5 | 7.3 | 0.7\% | 968.7 | 8.0 | 0.8\% | 968.0 | 8.8 | 0.9\% | 967.3 | 9.5 | 1.0\% | 966.6 | 10.2 | 1.0\% | 965.8 | 10.9 | 1.1\% |
| ME2 | 42596 | 2005 | Above Normal | September | Used in Summary Table Analysis | 518.7 | 512.5 | 6.2 | 1.2\% | 511.9 | 6.8 | 1.3\% | 511.3 | 7.5 | 1.4\% | 510.7 | 8.1 | 1.6\% | 510.0 | 8.7 | 1.7\% | 509.4 | 9.3 | 1.8\% |
| ME2 | 42596 | 2006 | Wet | October | Used in Summary Table Analysis | 627.1 | 622.2 | 4.9 | 0.8\% | 621.7 | 5.4 | 0.9\% | 621.2 | 5.9 | 0.9\% | 620.8 | 6.4 | 1.0\% | 620.3 | 6.9 | 1.1\% | 619.8 | 7.4 | 1.2\% |
| ME2 | 42596 | 2006 | Wet | November | Used in Summary Table Analysis | 9,173.3 | 9,169.6 | 3.7 | 0.0\% | 9,169.2 | 4.1 | 0.0\% | 9,168.9 | 4.4 | 0.0\% | 9,168.5 | 4.7 | 0.1\% | 9,168.2 | 5.1 | 0.1\% | 9,167.8 | 5.4 | 0.1\% |
| ME2 | 42596 | 2006 | Wet | December | -- | 43,054,4 | 43,050.9 | 3.5 | 0.0\% | 43,099.8 | 4.6 | 0.0\% | 43,049.8 | 4.6 | 0.0\% | 43,049.8 | 4.6 | 0.0\% | 43,049.8 | 4.6 | 0.0\% | 43,048.6 | 5.8 | 0.0\% |
| ME2 | 42596 | 2006 | Wet | January | -- | 45,894.7 | 45,891.2 | 3.5 | 0.0\% | 45,891.2 | 3.5 | 0.0\% | 45,891.2 | 3.5 | 0.0\% | 45,890.0 | 4.6 | 0.0\% | 4,8,890.0 | 4.6 3 | 0.0\% | 45,890.0 | 4.6 | 0.0\% |
| ME2 | 42596 | 2006 | Wet | February |  | 26,446,8 | 26,444.4 | 2.3 | 0.0\% | 26,444.4 | 2.3 | 0.0\% | 26,444.4 | 2.3 | 0.0\% | 26,443.3 | 3.5 | 0.0\% | 26,443.3 | 3.5 | 0.0\% | 26,443.3 | 3.5 | 0.0\% |
| ME2 | 42596 | 2006 | Wet | March | - | 46,841.4 | 46,839.1 | 2.3 | 0.0\% | 46,839.1 | 2.3 | 0.0\% | 46,839.1 | 2.3 | 0.0\% | 46,83.0 | 3.5 | 0.0\% | 46,838.0 | 3.5 | 0.0\% | 46,838.0 | 3.5 | 0.0\% |
| ME 2 | 42596 | 2006 | Wet | April | - | 30,304.4 | 30,302.1 | 2.3 | 0.0\% | 30,302.1 | 2.3 | 0.0\% | 30,302.1 | 2.3 | 0.0\% | 30,300.9 | 3.5 | 0.0\% | 30,300.9 | 3.5 | 0.0\% | 30,300.9 | 3.5 | 0.0\% |
| ME2 | 42596 | 2006 | Wet | May | - | 14,136.6 | 14,133.1 | 3.5 | 0.0\% | 14,133.1 | 3.5 | 0.0\% | 14,131.9 | 4.6 | 0.0\% | 14,131.9 | 4.6 | 0.0\% | 14,131.9 | 4.6 | 0.0\% | 14,130.8 | 5.8 | 0.0\% |
| ME 2 | 42596 | 2006 | Wet | June | - | 3,542.2 | 3,534.0 | 8.2 | 0.2\% | 3,533.2 | 9.0 | 0.3\% | 3,532.4 | 9.8 | 0.3\% | 3,531.6 | 10.6 | 0.3\% | 3,530.7 | 11.6 | 0.3\% | 3,529.9 | 12.4 | 0.3\% |
| ME2 | 42596 | 2006 | Wet | July | - | 1,271.4 | 1,263.2 | 8.2 | 0.6\% | 1,262.4 | 9.0 | 0.7\% | 1,261.6 | 9.8 | 0.8\% | 1,260.8 | 10.6 | 0.8\% | 1,260.0 | 11.5 | 0.9\% | 1,259.1 | 12.3 | 1.0\% |
| ME2 | 42596 42596 | 2006 2006 | Wet | August September | Used in Summary Table Analysis | 657.8 4198 | 650.3 4135 | 7.5 63 | 1.1\% | 649.5 412.5 | 8.3 | 1.3\% | ${ }^{648.8}$ | ${ }^{9.1}$ | $1.4 \%$ <br> $1.8 \%$ <br> 1.28 | 648.0 411.6 | 9.9 8.2 | 1.5\% | 647.2 411.0 | ${ }^{10.6}$ | ${ }_{\text {1.2\% }}^{1.6}$ | 646.5 4103 | 11.4 <br> 9.5 | ${ }_{\text {1.7\% }}^{1.7}$ |
| $\mathrm{MEL}_{\text {ME }}$ | 42596 | 2006 | Wet Above Normal | September | Used in Summary Table Analysis | 419.8 | 413.5 | ${ }^{6.3}$ | ${ }^{1.5 \%}$ | 412.9 | ${ }^{6.9}$ | ${ }^{1.7 \%}$ | ${ }^{412.2}$ | 7.6 | ${ }_{\text {1.8\% }}^{1.8 \%}$ | ${ }^{411.6}$ | 8.2 | 2.0\% | 411.0 | 8.9 | ${ }^{2.1 \%}$ | 410.3 | 9.5 | 2.3\% |
| ME2 ME 2 | 42596 42596 | 2007 | Above Norrmal | October | Used in Summary Table Analysis | ${ }_{8,550.3}^{269.7}$ | 264.7 $8,546.5$ | 5.0 3.8 | 1.8\% | 8,546.2 | 5.5 4.2 | 2.0\% | ${ }_{8,545.7}^{263.7}$ | 6.6 4.6 | 2.2\% | ${ }_{8,545.4}^{263.2}$ | 6.5 5.0 | 2.4\% | ${ }_{8,545.0}^{262.7}$ | ${ }_{5} .3$ | 2.6\% | ${ }_{8,544.6}^{262.2}$ | 7.5 5.8 | 2.8\% |
| ME2 | 42596 | 2007 | Above Normal | December | -- | 20,170.1 | 20,166.7 | 3.5 | 0.0\% | 20,166.7 | 3.5 | 0.0\% | 20,165.5 | 4.6 | 0.0\% | 20,165.5 | 4.6 | 0.0\% | 20,165.5 | 4.6 | 0.0\% | 20,164.4 | 5.8 | 0.0\% |
| ME 2 | 42596 | 2007 | Above Normal | January | -- | 10,189.4 | 10,186.5 | 2.9 | 0.0\% | 10,186.2 | 3.1 | 0.0\% | 10,185.9 | 3.5 | 0.0\% | 10,185.6 | 3.7 | 0.0\% | 10,185.3 | 4.1 | 0.0\% | 10,185,1 | 4.3 | 0.0\% |
| ME 2 | 42596 | 2007 | Above Normal | February |  | 30,300.9 | 30,298.6 | 2.3 | 0.0\% | 30,298.6 | 2.3 | 0.0\% | 30,298.6 | 2.3 | 0.0\% | 30,297.5 | 3.5 | 0.0\% | 30,297.5 | 3.5 | 0.0\% | 30,297.5 | 3.5 | 0.0\% |
| ME 2 | 42596 | 2007 | Above Normal | March | - | 13,056.7 | 13,054.4 | 2.3 | 0.0\% | 13,054.4 | 2.3 | 0.0\% | 13,054.4 | 2.3 | 0.0\% | 13,054.4 | 2.3 | 0.0\% | 13,053.2 | 3.5 | 0.0\% | 13,053.2 | 3.5 | 0.0\% |
| ME2 | 42596 | 2007 | Above Normal | April | - | $11,493,8$ 4,2728 | 11,487.7 | ${ }_{6}^{6.0}$ | 0.1\% | ${ }^{11,487.2}$ | ${ }^{6.6}$ | 0.1\% | ${ }^{11,486.5}$ | 7.3 8.4 | 0.1\% | 11,485.9 | 7.9 | 0.1\% | 11,485.3 | 8.4 | 0.1\% | $11,484.7$ 4123 | 9.0 | 0.1\% |
| ME 2 | 42596 | 2007 | Above Normal | May | - | 4,122.8 | 4,115.7 | 7.1 | 0.2\% | 4,115.0 | 7.8 | 0.2\% | 4,114.4 | 8.4 | 0.2\% | 4,113.7 | 9.1 | 0.2\% | 4,113.0 | 9.8 | 0.2\% | 4,112.3 | 10.5 | 0.3\% |

nthly Average Stream Flow Due to Groundwater Extraction
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Eel River Valley Groundwater Sustainability Plan



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hber Used in Summary Table Analysis




| Flow (cfs) |
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| 1,477.9 |
| 484.2 |
| 210.8 |
| 139.3 |
| 3,388.0 |
| 3,232.3 |
| 22,807.9 |
| 37,226.9 |
| 26,196.8 |
| 11,760.4 |
| 8,985.8 |
| 1,357.6 |
| 423.8 |
| 243.4 |
| 167.0 |
| 129.1 |
| $\begin{gathered} 911.5 \\ 5,432.4 \end{gathered}$ |
| 12,002.3 |
| 8,749.3 |
| 22,479.2 |
| 21,019.7 |
| 10,079.7 |
| 15,522.6 |
| 3,142.8 |
| 1,248.3 |
| 654.8 |
| 378.1 |
| $6,073.7$ 8.7358 |
| $8,235.8$ <br> 122488 |
| $\begin{aligned} & 12,248.8 \\ & 35,881.9 \end{aligned}$ |
| 27,144.7 |
| 28,751.2 |
| 39,855.3 |
| 9,244.2 |
| 1,441.2 |
| 554.4 |
| $\begin{array}{r}636.7 \\ \hline 9566\end{array}$ |
| 14,133.1 |
| 33,35.0 |
| 14,089.1 |
| 20,703.7 |
| 24,721.1 |
| 11,341.1 |
| 7,011.3 |
| 1,817.4 |
| 764.3 |
| 422.0 |
| 4,501.0 |
| 8,158.7 |
| 5,148.3 |
| 19,891.2 |
| 18,148.1 |
| 45,160.9 |
| 26,762.7 |
| 7,454.9 |
| 5,470.9 |
| 2,194.1 |
| 378.4 |

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$\qquad$ | $\begin{array}{c}\text { Difference } \\ \text { (cfs) }\end{array}$ | $\begin{array}{c}\text { Perce } \\ \text { Differ }\end{array}$ |
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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan


Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  |  |  | FlowWithoutPumping Pumping(cfs) | Existing Conditions |  |  | 10\% Pumping Increr |  |  | 20\% Pumping Incre |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water <br> Reach) |  |  | Month | Note |  | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \substack{\text { Difference } \\ \text { (cfs) }} \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME3 | 395810 | 2013 | Below Normal | June | -- | 2,102.8 | 2,092.2 | 10.5 | 0.5\% | 2,091.2 | 11.6 | 0.6\% | 2,090.2 | 12.6 | 0.6\% | 2,089.1 | 13.7 | 0.6\% | 2,088.1 | 14.7 | 0.7\% | 2,087.0 | 15.7 | 0.7\% |
| ME3 | 395810 | 2013 | Below Normal | July | - | 713.5 | 703.7 | 9.8 | 1.4\% | 702.8 | 10.7 | 1.5\% | 701.8 | 11.7 | 1.6\% | 700.8 | 12.7 | 1.8\% | 699.8 | 13.6 | 1.9\% | 698.9 | 14.6 | 2.0\% |
| me3 | 395810 | 2013 | Below Normal | August | -- | 334.2 | 325.3 | 9.0 | 2.7\% | 324.4 | 9.9 | 3.0\% | 323.5 | 10.8 | 3.2\% | 322.6 | 11.7 | 3.5\% | 321.7 | 12.6 | 3.8\% | 320.8 | 13.5 | 4.0\% |
| ME3 | 395810 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,760.6 | 4,751.4 | 9.3 | 0.2\% | 4,750.6 | 10.1 | 0.2\% | 4,749.7 | 11.0 | 0.2\% | 4,748.7 | 11.9 | 0.3\% | 4,747.8 | 12.8 | 0.3\% | 4,746.9 | 13.8 | 0.3\% |
| ME3 | 395810 | 2014 | Critical | October | Used in Summary Table Analysis | 278.0 | 271.6 | 6.4 | 2.3\% | 270.9 | 7.0 | 2.5\% | 270.3 | 7.7 | 2.8\% | 269.7 | 8.3 | 3.0\% | 269.0 | 9.0 | 3.2\% | 268.4 | 9.6 | 3.4\% |
| ME3 | 395810 | 2014 | Critical | November | Used in Summary Table Analysis | 1,523.5 | 1,518.5 | 5.0 | 0.3\% | 1,517.9 | 5.6 | 0.4\% | 1,517.5 | 6.0 | 0.4\% | 1,517.0 | 6.5 | 0.4\% | 1,516.4 | 7.1 | 0.5\% | 1,516.0 | 7.5 | 0.5\% |
| ME3 | 395810 | 2014 | Critical | December - | -- | 1,580.2 | 1,575.9 | 4.3 | 0.3\% | 1,575.6 | 4.6 | 0.3\% | 1,575.1 | 5.1 | 0.3\% | 1,574.7 | 5.6 | 0.4\% | 1,574.2 | 6.0 | 0.4\% | 1,573.8 | 6.4 | 0.4\% |
| me3 | 395810 | 2014 | Critical | January | -- | 2,806.4 | 2,802.5 | 3.8 | 0.1\% | 2,802.2 | 4.2 | 0.1\% | 2,801.9 | 4.5 | 0.2\% | 2,801.4 | 5.0 | 0.2\% | 2,801.0 | 5.3 | 0.2\% | 2,800.7 | 5.7 | 0.2\% |
| ME3 | 395810 | 2014 | Critical | February - | -- | 15,713.0 | 15,709.5 | 3.5 | 0.0\% | 15,708.3 | 4.6 | 0.0\% | 15,708.3 | 4.6 | 0.0\% | 15,708.3 | 4.6 | 0.0\% | 15,707.2 | 5.8 | 0.0\% | 15,707.2 | 5.8 | 0.0\% |
| ME3 | 395810 | 2014 | Critical | March | -- | 31,434.0 | 31,430.6 | 3.5 | 0.0\% | 31,430.6 | 3.5 | 0.0\% | 31,429.4 | 4.6 | 0.0\% | 31,429.4 | 4.6 | 0.0\% | 31,429.4 | 4.6 | 0.0\% | 31,429.4 | 4.6 | 0.0\% |
| me3 | 395810 | 2014 | Critical | April | -- | 12,969.9 | 12,963.0 | 6.9 | 0.1\% | 12,961.8 | 8.1 | 0.1\% | 12,960.6 | 9.3 | 0.1\% | 12,959.5 | 10.4 | 0.1\% | 12,959.5 | 10.4 | 0.1\% | 12,958.3 | 11.6 | 0.1\% |
| ME3 | 395810 | 2014 | Critical | May | - | 5,174.8 | 5,165.6 | 9.1 | 0.2\% | 5,164.7 | 10.1 | 0.2\% | 5,163.8 | 11.0 | 0.2\% | 5,162.8 | 11.9 | 0.2\% | 5,161.9 | 12.8 | 0.2\% | 5,161.0 | 13.8 | 0.3\% |
| me3 | 395810 | 2014 | Critical | June | -- | 1,191.2 | 1,178.6 | 12.6 | 1.1\% | 1,177.3 | 13.9 | 1.2\% | 1,176.0 | 15.2 | 1.3\% | 1,174.8 | 16.4 | 1.4\% | 1,173.5 | 17.7 | 1.5\% | 1,172.3 | 18.9 | 1.6\% |
| ME3 | 395810 | 2014 | Critical | July | - | 541.0 | 529.9 | 11.2 | 2.1\% | 528.8 | 12.3 | 2.3\% | 527.6 | 13.4 | 2.5\% | 526.5 | 14.5 | 2.7\% | 525.4 | 15.6 | 2.9\% | 524.3 | 16.7 | 3.1\% |
| ME3 | 395810 | 2014 | Critical | August | - | 342.2 | 331.7 | 10.5 | 3.1\% | 330.6 | 11.5 | 3.4\% | 329.6 | 12.6 | 3.7\% | 328.5 | 13.6 | 4.0\% | 327.5 | 14.7 | 4.3\% | 326.4 | 15.7 | 4.6\% |
| ME3 | 395810 | 2014 | Critical | September | Used in Summary Table Analysis | 2,560.2 | 2,549.9 | 10.3 | 0.4\% | 2,548.8 | 11.3 | 0.4\% | 2,547.9 | 12.3 | 0.5\% | 2,546.9 | 13.3 | 0.5\% | 2,545.8 | 14.4 | 0.6\% | 2,544.8 | 15.4 | 0.6\% |
| ме3 | 395810 | 2015 | Dry | October | Used in Summary Table Analysis | 11,317.2 | 11,309.7 | 7.5 | 0.1\% | 11,309.0 | 8.2 | 0.1\% | 11,308.2 | 9.0 | 0.1\% | 11,306.8 | 10.4 | 0.1\% | 11,306.0 | 11.2 | 0.1\% | 11,305.3 | 11.9 | 0.1\% |
| ME3 | 395810 | 2015 | Dry | November | Used in Summary Table Analysis | 8,992.7 | 8,987.0 | 5.7 | 0.1\% | 8,986.5 | 6.3 | 0.1\% | 8,986.0 | 6.7 | 0.1\% | 8,985.4 | 7.3 | 0.1\% | 8,984,8 | 7.9 | 0.1\% | 8,984,3 | 8.4 | 0.1\% |
| ME3 | 395810 | 2015 | Dry | December - |  | 32,451.4 | 32,46.8 | 4.6 | 0.0\% | 32,446.8 | 4.6 | 0.0\% | 32,445.6 | 5.8 | 0.0\% | 32,445.6 | 5.8 | 0.0\% | 32,444.4 | 6.9 | 0.0\% | 32,444.4 | 6.9 | 0.0\% |
| ME3 | 395810 | 2015 | Dry | January | -- | 14,549.8 | 14,545.1 | 4.6 | 0.0\% | 14,545.1 | 4.6 | 0.0\% | 14,544.0 | 5.8 | 0.0\% | 14,544.0 | 5.8 | 0.0\% | 14,544.0 | 5.8 | 0.0\% | 14,542.8 | 6.9 | 0.0\% |
| ME3 | 395810 | 2015 | Dry | February |  | 27,166.7 | 27,163.2 | 3.5 | 0.0\% | 27,163.2 | 3.5 | 0.0\% | 27,163.2 | 3.5 | 0.0\% | 27,162.0 | 4.6 | 0.0\% | 27,162.0 | 4.6 | 0.0\% | 27,162.0 | 4.6 | 0.0\% |
| ME3 | 395810 | 2015 | Dry | March | -- | 11,552.7 | 11,549.3 | 3.4 | 0.0\% | 11,549.0 | 3.7 | 0.0\% | 11,548.6 | 4.1 | 0.0\% | 11,548.3 | 4.4 | 0.0\% | 11,547.9 | 4.7 | 0.0\% | 11,547.6 | 5.1 | 0.0\% |
| ME3 | 395810 | 2015 | Dry | April | -- | 8,341.9 | 8,334.3 | 7.6 | 0.1\% | 8,333.4 | 8.4 | 0.1\% | 8,332.6 | 9.3 | 0.1\% | 8,331.9 | 10.0 | 0.1\% | 8,331.1 | 10.8 | 0.1\% | 8,330.3 | 11.6 | 0.1\% |
| ME3 | 395810 | 2015 | Dry | May | - | 1,505.6 | 1,496.5 | 9.0 | 0.6\% | 1,495.6 | 10.0 | 0.7\% | 1,494.7 | 10.9 | 0.7\% | 1,493.8 | 11.8 | 0.8\% | 1,492.8 | 12.7 | 0.8\% | 1,491.9 | 13.7 | 0.9\% |
| ME3 | 395810 | 2015 | Dry | June | -- | 648.2 | 636.4 | 11.8 | 1.8\% | 635.2 | 13.0 | 2.0\% | 634.1 | 14.2 | 2.2\% | 632.9 | 15.4 | 2.4\% | 631.7 | 16.5 | 2.5\% | 630.5 | 17.7 | 2.7\% |
| ME3 | 395810 | 2015 | Dry | July | - | 264.1 | 253.1 | 11.1 | 4.2\% | 252.0 | 12.2 | 4.6\% | 250.8 | 13.3 | 5.0\% | 249.7 | 14.4 | 5.5\% | 248.6 | 15.5 | 5.9\% | 247.5 | 16.6 | 6.3\% |
| ME3 | 395810 | 2015 | Dry | August | -- | 161.0 | 150.5 | 10.5 | 6.5\% | 149.4 | 11.6 | 7.2\% | 148.4 | 12.6 | 7.8\% | 147.3 | 13.7 | 8.5\% | 146.3 | 14.7 | 9.1\% | 145.2 | 15.8 | 9.8\% |
| ME3 | 395810 | 2015 | Dry | September | Used in Summary Table Analysis | 115.9 | 106.7 | 9.2 | 7.9\% | 105.8 | 10.1 | 8.7\% | 104.9 | 11.0 | 9.5\% | 103.9 | 12.0 | 10.3\% | 103.0 | 12.9 | 11.1\% | 102.1 | 13.8 | 11.9\% |
| ME3 | 395810 | 2016 | Above Normal | October | Used in Summary Table Analysis | 81.5 | 73.8 | 7.7 | 9.5\% | 73.0 | 8.5 | 10.5\% | 72.2 | 9.3 | 11.4\% | 72.0 | 9.5 | 11.6\% | 71.4 | 10.1 | 12.4\% | 70.3 | 11.2 | 13.8\% |
| ME3 | 395810 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,825.7 | 3,820.0 | 5.7 | 0.1\% | 3,819.4 | 6.3 | 0.2\% | 3,819.0 | 6.7 | 0.2\% | 3,818.3 | 7.4 | 0.2\% | 3,817.7 | 8.0 | 0.2\% | 3,817.1 | 8.6 | 0.2\% |
| ME3 | 395810 | 2016 | Above Normal | December - |  | 36,423.6 | 36,419.0 | 4.6 | 0.0\% | 36,419.0 | 4.6 | 0.0\% | 36,417.8 | 5.8 | 0.0\% | 36,417.8 | 5.8 | 0.0\% | 36,416.7 | 6.9 | 0.0\% | 36,416.7 | 6.9 | 0.0\% |
| ME3 | 395810 | 2016 | Above Normal | January | -- | 57,113.4 | 57,108.8 | 4.6 | 0.0\% | 57,107.6 | 5.8 | 0.0\% | 57,107.6 | 5.8 | 0.0\% | 57,107.6 | 5.8 | 0.0\% | 57,106.5 | 6.9 | 0.0\% | 57,106.5 | 6.9 | 0.0\% |
| ME3 | 395810 | 2016 | Above Normal | February - | -- | 24,232.6 | 24,228.0 | 4.6 | 0.0\% | 24,228.0 | 4.6 | 0.0\% | 24,228.0 | 4.6 | 0.0\% | 24,226.9 | 5.8 | 0.0\% | 24,226.9 | 5.8 | 0.0\% | 24,226.9 | 5.8 | 0.0\% |
| ме3 | 395810 | 2016 | Above Normal | March | -- | 41,680.6 | 41,677.1 | 3.5 | 0.0\% | 41,677.1 | 3.5 | 0.0\% | 41,677.1 | 3.5 | 0.0\% | 41,675.9 | 4.6 | 0.0\% | 41,675.9 | 4.6 | 0.0\% | 41,675.9 | 4.6 | 0.0\% |
| me3 | 395810 | 2016 | Above Normal | April | - | 18,508.1 | 18,504.6 | 3.5 | 0.0\% | 18,504.6 | 3.5 | 0.0\% | 18,504.6 | 3.5 | 0.0\% | 18,503.5 | 4.6 | 0.0\% | 18,503.5 | 4.6 | 0.0\% | 18,503.5 | 4.6 | 0.0\% |
| ME3 3 | 395810 | 2016 | Above Normal | May | - | 5,203.5 | 5,199.2 | 4.3 | 0.1\% | 5,198.8 | 4.6 | 0.1\% | 5,198.4 | 5.1 | 0.1\% | 5,197.9 | 5.6 | 0.1\% | 5,197.6 | 5.9 | 0.1\% | 5,197.1 | 6.4 | 0.1\% |
| ME 3 | 395810 395810 | 2016 | Above Normal | June | - | $1,503.1$ 8163 | $1,494.0$ 8065 | 9.1 | ${ }^{0.6 \%}$ | $1,493.2$ <br> 8056 <br> 18.5 | 10.0 | ${ }^{0.7 \%}$ | 1,492.2 | 10.9 | ${ }^{0.7 \%}$ | $1,491.3$ 8037 | 11.8 | ${ }^{0.8 \%}$ | $1,490.4$ 8027 | 12.7 | ${ }^{0.8 \%}$ | $1,489.6$ 8018 | 13.5 | ${ }^{0.9 \%}$ |
| ME3 | 395810 | 2016 | Above Normal Above Normal | July | - | 816.3 | 806.6 | 9.7 | 1.2\% | 805.6 | 10.7 | 1.3\% | 804.7 | 11.6 | ${ }_{\text {l }}^{\text {1.4\% }}$ | 803.7 472.8 | 12.6 | 1.5\% | 802.7 | ${ }^{13.6}$ | 1.7\% | 801.8 | 14.5 | 1.8\%\% |
| ME 3 <br> ME3 | 395810 395810 | 2016 | Above Normal | September | Used in Summary Table Analysis | 484.8 321.4 | 475.6 313.5 | 7.9 | 1.5\% | ${ }_{312.7}^{474}$ | 10.1 8.7 | ${ }_{\text {2.7\% }}^{2.1 \%}$ | ${ }_{312.0}^{47.7}$ | 11.6 9.5 | 3.0\% | ${ }_{311.1}^{47.8}$ | 12.0 10.3 | 3.2\% | 471.9 310.4 | 12.9 11.1 | 3.7.9\% | 471.0 3096 | 13.8 11.9 | ${ }_{\text {l }}^{\text {2.8\% }}$ |
| ме3 ${ }^{\text {¢ }}$ | 395810 | 2017 | Wet | October | Used in Summary Table Analysis | 18,206.0 | 18,200.2 | 5.8 | 0.0\% | 18,199.1 | 6.9 | 0.0\% | 18,197.9 | 8.1 | 0.0\% | 18,197.9 | 8.1 | 0.0\% | 18,196.8 | 9.3 | 0.1\% | 18,196.8 | 9.3 | 0.1\% |
| ME3 | 395810 | 2017 | Wet | November | Used in Summary Table Analysis | 18,737.3 | 18,732.6 | 4.6 | 0.0\% | 18,731.5 | 5.8 | 0.0\% | 18,731.5 | 5.8 | 0.0\% | 18,730.3 | 6.9 | 0.0\% | 18,730.3 | 6.9 | 0.0\% | 18,729.2 | 8.1 | 0.0\% |
| ME3 | 395810 | 2017 | wet | December - | -- | 23,978.0 | 23,973.4 | 4.6 | 0.0\% | 23,973.4 | 4.6 | 0.0\% | 23,973.4 | 4.6 | 0.0\% | 23,972.2 | 5.8 | 0.0\% | 23,972.2 | 5.8 | 0.0\% | 23,972.2 | 5.8 | 0.0\% |
| ME3 | 395810 | 2017 | Wet | January |  | 106,510.4 | 106,506.9 | 3.5 | 0.0\% | 106,505.8 | 4.6 | 0.0\% | 106,505.8 | 4.6 | 0.0\% | 106,505.8 | 4.6 | 0.0\% | 106,504.6 | 5.8 | 0.0\% | 106,504.6 | 5.8 | 0.0\% |
| ME3 | 395810 | 2017 | Wet | February - | - | 81,606.5 | 81,603.0 | 3.5 | 0.0\% | $81,603.0$ 27,195 | 3.5 | 0.0\% | 81,603.0 | 3.5 | 0.0\% | 81,601.9 | 4.6 | 0.0\% | 81,601.9 | 4.6 | 0.0\% | 81,601.9 | 4.6 | 0.0\% |
| ME 3 | 395810 | 2017 | Wet | March | - | 27,199.1 | 27,196.8 | 2.3 | 0.0\% | 27,195.6 | 3.5 | 0.0\% | 27,195.6 | 3.5 | 0.0\% | 27,195.6 | 3.5 | 0.0\% | 27,195.6 | 3.5 | 0.0\% | 27,194.4 | 4.6 | 0.0\% |
| ME ${ }^{\text {a }}$ | 395810 395810 | 2017 | Wet | April | - | $22,857.6$ $\substack{2675 \\ 2 \\ 2}$ | 22,854.2 | 3.5 43 | 0.0\% | 22,854.22 | 3.5 | 0.0\% | $22,854.2$ <br> $6,262.4$ | 3.5 5 | ${ }^{0.0 \%}$ | 22,854.2 | 3.5 <br> 56 <br> 12. | ${ }^{0.0 \%}$ | 22,853.0 | 4.6 | ${ }^{\text {0.0\% }}$ | $22,853.0$ 6,2610 | 4.6 | ${ }^{\text {0.0\% }}$ |
| ME3 ${ }_{\text {ME3 }}$ | 395810 395810 | 2017 2017 | Wet Wet | May | -- | $6,267.5$ 2.104 .1 | 6,263.2 2,094.8 | $\begin{aligned} & 4.3 \\ & 9.3 \end{aligned}$ | 0.1\% | 6,262.8 2,093.9 | $\begin{gathered} 4.6 \\ 10.2 \end{gathered}$ | 0.1\% | 6,262.4 2,092.9 | 5.1 11.1 | 0.1\% | 6,261.9 2,091.9 | 5.6 12.2 | 0.1\% | 6,261.5 2,091.0 | 6.0 13.1 | - $0.10 \%$ | 6,261.0 2,090.0 | 6.5 14.0 | - |
| мез | 395810 | 2017 | Wet | July | -- | 925.8 | 916.0 | 9.8 | 1.1\% | 915.1 | 10.7 | 1.2\% | 914.1 | 11.7 | 1.3\% | 913.1 | 12.7 | 1.4\% | 912.1 | 13.7 | 1.5\% | 911.2 | 14.6 | 1.6\% |
| мез 3 | 395810 | 2017 | Wet | August | - | 498.1 | 488.9 | 9.2 | 1.8\% | 488.0 | 10.1 | 2.0\% | 487.1 | 11.0 | 2.2\% | 486.2 | 12.0 | 2.4\% | 485.3 | 12.9 | 2.6\% | 484.3 | 13.8 | 2.8\% |
| ME3 | 395810 | 2017 | Wet | September | Used in Summary Table Analysis | 315.3 | 307.0 | 8.4 | 2.7\% | 306.1 | 9.2 | 2.9\% | 305.3 | 10.1 | 3.2\% | 304.5 | 10.9 | 3.5\% | 303.6 | 11.7 | 3.7\% | 302.8 | 12.6 | 4.0\% |
| ME3 | 395810 | 2018 | Above Normal | October | Used in Summary Table Analysis | 268.2 | 262.7 | 5.5 | 2.1\% | 261.6 | 6.5 | 2.4\% | 260.9 | 7.3 | 2.7\% | 260.0 | 8.2 | 3.0\% | 259.2 | 8.9 | 3.3\% | 258.6 | 9.6 | 3.6\% |
| ME3 | 395810 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,698.3 | 10,693.5 | 4.7 | 0.0\% | 10,693.1 | 5.2 | 0.0\% | 10,692.5 | 5.8 | 0.1\% | 10,692.0 | 6.3 | 0.1\% | 10,691.6 | 6.7 | 0.1\% | 10,691.1 | 7.2 | 0.1\% |
| ME3 | 395810 | 2018 | Above Normal | December - | -- | 5,435.0 | 5,431.0 | 3.9 | 0.1\% | 5,430.6 | 4.4 | 0.1\% | 5,430.2 | 4.7 | 0.1\% | 5,429.7 | 5.2 | 0.1\% | 5,429.4 | 5.6 | 0.1\% | 5,428.9 | ${ }^{6.0}$ | 0.1\% |
| ME ${ }_{\text {M }}$ | 395810 | 2018 | Above Normal | January | - | 17,621.5 | 17,618.1 | 3.5 | 0.0\% | 17,618.1 | 3.5 | 0.0\% | 17,616.9 | 4.6 | 0.0\% | 17,616.9 | 4.6 | 0.0\% | 17,616.9 | 4.6 | 0.0\% | 17,615.7 | 5.8 | 0.0\% |
| ME 3 | 395810 | 2018 | Above Normal | February | - | 7,587.3 | 7,584.1 | 3.1 | 0.0\% | 7,583.8 | 3.5 | 0.0\% | 7,583.4 | 3.8 | 0.1\% | 7,583.1 | 4.2 | 0.1\% | $7,582.9$ 20,526 | 4.4 | 0.1\% | 7,582.5 | 4.7 | ${ }^{0.1 \%}$ |
| ME 3 <br> ME3 | 395810 395810 | 2018 2018 | Above Normal Above Normal | March | $\cdots$ | 20,597.2 $32,079.9$ | $20,593.8$ $32,076.4$ | 3.5 3.5 | 0.0\% | 20,593.8 $32,076.4$ | 3.5 3.5 | - $0.0 \%$ | 20,592.6 $32,076.4$ | 4.6 3.5 | - $0.0 \%$ | 20,592.6 $32,076.4$ | 4.6 3.5 | - $0.0 \%$ | $20,592.6$ $32,076.4$ | 4.6 3.5 | - | 20,592.6 $32,075.2$ | 4.6 4.6 | - |
| ME3 | 395810 | 2018 | Above Normal | May | - | 6,981.5 | 6,974.3 | 7.2 | 0.1\% | 6,973.5 | 8.0 | 0.1\% | 6,972.8 | 8.7 | 0.1\% | 6,972.1 | 9.4 | 0.1\% | 6,971.4 | 10.1 | 0.1\% | 6,970.6 | 10.9 | 0.2\% |
| ме3 | 395810 | 2018 | Above Normal | June | - | 1,906.9 | 1,897.7 | 9.3 | 0.5\% | 1,896.8 | 10.2 | 0.5\% | 1,895.8 | 11.1 | 0.6\% | 1,894.9 | 12.0 | 0.6\% | 1,894.0 | 13.0 | 0.7\% | 1,893.1 | 13.9 | 0.7\% |
| ME3 | 395810 | 2018 | Above Normal | July | - | 774.0 | 764.3 | 9.7 | 1.3\% | 763.3 | 10.7 | 1.4\% | 762.3 | 11.6 | 1.5\% | 761.4 | 12.6 | 1.6\% | 76.4 | 13.6 | 1.8\% | 759.4 | 14.5 | 1.9\% |
| ME3 | 395810 | 2018 | Above Normal | August | -- | 435.3 | 426.5 | 8.8 | 2.0\% | 425.6 | 9.7 | 2.2\% | 424.8 | 10.5 | 2.4\% | 423.9 | 11.4 | 2.6\% | 423.0 | 12.3 | 2.8\% | 422.1 | 13.2 | 3.0\% |
| ME3 | 395810 | 2018 | Above Normal |  | Used in Summary Table Analysis | 293.2 | 284.9 | 8.4 | 2.8\% | 284.0 | 9.2 | 3.1\% | 283.2 | 10.0 | 3.4\% | 282.3 | 10.9 | 3.7\% | 281.5 | 11.7 | 4.0\% | 280.7 | 12.5 | 4.3\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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At Surface Water Depletion Locations of interest
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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flow Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column Surface Water Reach) |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| me3 | 395711 | 2019 | Below Normal |  | February | -- | 141,724.5 | 141,724.5 | 0.0 | 0.0\% | 141,724.5 | 0.0 | 0.0\% | 141,724.5 | 0.0 | 0.0\% | 141,724.5 | 0.0 | 0.0\% | 141,724.5 | 0.0 | 0.0\% | 141,724.5 | 0.0 | 0.0\% |
| ME3 | 395711 | 2019 | Below Normal | March | - | 42,221.1 | 42,217.6 | 3.5 | 0.0\% | 42,216.4 | 4.6 | 0.0\% | 42,216.4 | 4.6 | 0.0\% | 42,216.4 | 4.6 | 0.0\% | 42,215,3 | 5.8 | 0.0\% | 42,215.3 | 5.8 | 0.0\% |
| мез | 395711 | 2019 | Below Normal | April | - | 15,244.2 | 15,240.7 | 3.5 | 0.0\% | 15,240.7 | 3.5 | 0.0\% | 15,240.7 | 3.5 | 0.0\% | 15,239.6 | 4.6 | 0.0\% | 15,239.6 | 4.6 | 0.0\% | 15,239.6 | 4.6 | 0.0\% |
| ME3 | 395711 | 2019 | Below Normal | May | - | 16,802.1 | 16,794.0 | 8.1 | 0.0\% | 16,794.0 | 8.1 | 0.0\% | 16,792.8 | 9.3 | 0.1\% | 16,791.7 | 10.4 | 0.1\% | 16,790.5 | 11.6 | 0.1\% | 16,790.5 | 11.6 | 0.1\% |
| ме3 | 395711 | 2019 | Below Normal | June | - | 4,242.2 | 4,231.4 | 10.9 | 0.3\% | 4,230.3 | 11.9 | 0.3\% | 4,229.2 | 13.1 | 0.3\% | 4,228.1 | 14.1 | 0.3\% | 4,227.0 | 15.3 | 0.4\% | 4,225.9 | 16.3 | 0.4\% |
| me3 | 395711 | 2019 | Below Normal | July | - | 1,354.7 | 1,344.1 | 10.6 | 0.8\% | 1,343.1 | 11.7 | 0.9\% | 1,342.0 | 12.7 | 0.9\% | 1,341.0 | 13.8 | 1.0\% | 1,339.9 | 14.8 | 1.1\% | 1,388.9 | 15.9 | 1.2\% |
| мез | 395711 | 2019 | Below Normal | August | -- | 590.4 | 580.5 | 9.9 | 1.7\% | 579.5 | 10.9 | 1.8\% | 578.6 | 11.9 | 2.0\% | 577.6 | 12.9 | 2.2\% | 576.6 | 13.9 | 2.3\% | 575.6 | 14.9 | 2.5\% |
| ме3 | 395711 | 2019 | Below Normal | September | Used in Summary Table Analysis | 457.6 | 448.5 | 9.1 | 2.0\% | 447.6 | 10.0 | 2.2\% | 446.7 | 10.9 | 2.4\% | 445.8 | 11.8 | 2.6\% | 444.9 | 12.8 | 2.8\% | 444.0 | 13.7 | 3.0\% |
| me3 | 395711 | 2020 | Dry | October | Used in Summary Table Analysis | 352.0 | 345.4 | 6.6 | 1.9\% | 344.7 | 7.3 | 2.1\% | 344.1 | 7.9 | 2.3\% | 343.4 | 8.6 | 2.4\% | 342.8 | 9.3 | 2.6\% | 342.1 | 9.9 | 2.8\% |
| ME3 | 395711 | 2020 | Dry | November | Used in Summary Table Analysis | 312.0 | 306.9 | 5.0 | 1.6\% | 306.4 | 5.6 | 1.8\% | 305.9 | 6.1 | 1.9\% | 305.4 | 6.6 | 2.1\% | 304.9 | 7.1 | 2.3\% | 304.3 | 7.6 | 2.4\% |
| мE3 | 395711 | 2020 | Dry | December | -- | 13,153.9 | 13,149.3 | 4.6 | 0.0\% | 13,148.1 | 5.8 | 0.0\% | 13,148.1 | 5.8 | 0.0\% | 13,148.1 | 5.8 | 0.0\% | 13,147.0 | 6.9 | 0.1\% | 13,147.0 | 6.9 | 0.1\% |
| мез | 395711 | 2020 | Dry | January | -- | 22,226.9 | 22,222.2 | 4.6 | 0.0\% | 22,222.2 | 4.6 | 0.0\% | 22,221.1 | 5.8 | 0.0\% | 22,221.1 | 5.8 | 0.0\% | 22,219.9 | 6.9 | 0.0\% | 22,219.9 | 6.9 | 0.0\% |
| ME3 | 395711 | 2020 | Dry | February | -- | 7,409.5 | 7,405.7 | 3.8 | 0.1\% | 7,405.3 | 4.2 | 0.1\% | 7,405.0 | 4.5 | 0.1\% | 7,404.5 | 5.0 | 0.1\% | 7,404.2 | 5.3 | 0.1\% | 7,403.8 | 5.7 | 0.1\% |
| me3 | 395711 | 2020 | Dry | March | - | 7,224.7 | 7,221.1 | 3.6 | 0.0\% | 7,220.7 | 3.9 | 0.1\% | 7,220.4 | 4.3 | 0.1\% | 7,220.0 | 4.6 | 0.1\% | 7,219.7 | 5.0 | 0.1\% | 7,219.3 | 5.3 | 0.1\% |
| ME3 | 395711 | 2020 | Dry | April | - | 5,461.5 | 5,453.2 | 8.2 | 0.2\% | 5,452.4 | 9.0 | 0.2\% | 5,451.6 | 9.8 | 0.2\% | 5,450.8 | 10.6 | 0.2\% | 5,450.0 | 11.5 | 0.2\% | 5,449.2 | 12.3 | 0.2\% |
| ME3 | 395711 | 2020 | Dry | May | - | 7,399.5 | 7,339.7 | 9.8 | 0.1\% | 7,338.8 | 10.8 | 0.1\% | 7,337.7 | 11.8 | 0.2\% | 7,336.8 | 12.7 | 0.2\% | 7,335.8 | 13.8 | 0.2\% | 7,334.8 | 14.7 | 0.2\% |
| me3 | 395711 | 2020 | Dry | June | - | 2,103.1 | 2,990.3 | 12.8 | 0.6\% | 2,089.0 | 14.1 | 0.7\% | 2,087.6 | 15.5 | 0.7\% | 2,086.3 | 16.8 | 0.8\% | 2,085.1 | 18.1 | 0.9\% | 2,083.8 | 19.3 | 0.9\% |
| ME3 | 395711 | 2020 | Dry | July | - | 792.5 | 780.2 | 12.3 | 1.5\% | 779.0 | 13.5 | 1.7\% | 777.8 | 14.7 | 1.9\% | 776.6 | 15.9 | 2.0\% | 775.3 | 17.2 | 2.2\% | 774.1 | 18.4 | 2.3\% |
| me3 | 395711 | 2020 | Dry | August | -- | 395.0 | 383.1 | 11.9 | 3.0\% | 381.9 | 13.1 | 3.3\% | 380.7 | 14.3 | 3.6\% | 379.5 | 15.5 | 3.9\% | 378.3 | 16.6 | 4.2\% | 377.2 | 17.8 | 4.5\% |
| ME3 ${ }^{\text {a }}$ | 395711 | 2020 | Dry | September | Used in Summary Table Analysis | 244.6 | 234.1 | 10.4 | 4.3\% | 233.1 | 11.5 | 4.7\% | 232.0 | 12.5 | 5.1\% | 231.0 | 13.6 | 5.5\% | 230.0 | 14.6 | 6.0\% | 228.9 | 15.6 | 6.4\% |
| me3 | 385712 | 2000 | Above Normal | October | Used in Summary Table Analysis | 810.6 | 803.5 | 7.1 | 0.9\% | 802.8 | 7.8 | 1.0\% | 802.1 | 8.5 | 1.1\% | 801.4 | 9.2 | 1.1\% | 800.7 | 9.9 | 1.2\% | 800.0 | 10.6 | 1.3\% |
| me3 | 385712 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,023.1 | 12,018.5 | 4.6 | 0.0\% | 12,017.4 | 5.8 | 0.0\% | 12,016.2 | 6.9 | 0.1\% | 12,016.2 | 6.9 | 0.1\% | 12,015.0 | 8.1 | 0.1\% | 12,015.0 | 8.1 | 0.1\% |
| ME3 | 385712 | 2000 | Above Normal | December |  | 10,760.4 | 10,755.8 | 4.6 | 0.0\% | 10,755.3 | 5.1 | 0.0\% | 10,754.7 | 5.7 | 0.1\% | 10,754.3 | 6.1 | 0.1\% | 10,753.8 | ${ }^{6.6}$ | 0.1\% | 10,753.4 | 7.1 | 0.1\% |
| ME3 | 385712 | 2000 | Above Normal | January | -- | 28,416,7 | 28,412.0 | 4.6 | 0.0\% | 28,412.0 | 4.6 | 0.0\% | 28,410.9 | 5.8 | 0.0\% | 28,410.9 | 5.8 | 0.0\% | 28,410.9 | 5.8 | 0.0\% | 28,409.7 | 6.9 | 0.0\% |
| ME3 | 385712 | 2000 | Above Normal | February | -- | 36,937.5 | 36,934.0 | 3.5 | 0.0\% | 36,934.0 | 3.5 | 0.0\% | 36,932.9 | 4.6 | 0.0\% | 36,932.9 | 4.6 | 0.0\% | 36,932.9 | ${ }^{4.6}$ | 0.0\% | $36,931.7$ 18,2789 | 5.8 | 0.0\% |
| ME3 | 385712 | 2000 | Above Normal | March | -- | 18,284.7 | 18,281.3 | 3.5 | 0.0\% | 18,280.1 | 4.6 | 0.0\% | 18,280.1 | 4.6 | 0.0\% | 18,280.1 | 4.6 | 0.0\% | 18,278.9 | 5.8 | 0.0\% | 18,278.9 | 5.8 | 0.0\% |
| мез | 385712 | 2000 | Above Normal | April | -- | 12,290.5 | 12,287.0 | 3.5 | 0.0\% | 12,285,9 | 4.6 | 0.0\% | 12,285.9 | 4.6 | 0.0\% | 12,285.9 | 4.6 | 0.0\% | 12,284,7 | 5.8 | 0.0\% | 12,284.7 | 5.8 | 0.0\% |
| ME3 | 385712 | 2000 | Above Normal | May | - | 7,074 | 7,066.3 | 8.2 | 0.1\% | 7,065.5 | 9.0 | 0.1\% | 7,064.7 | 9.8 | 0.1\% | 7,063.9 | 10.6 | 0.2\% | 7,063.1 | 11.5 | 0.2\% | 7,062.3 | 12.3 | 0.2\% |
| ME3 | 385712 | 2000 | Above Normal | June | - | 2,603.5 | 2,591.2 | 12.3 | 0.5\% | 2,590.0 | 13.4 | 0.5\% | 2,588.8 | 14.7 | 0.6\% | 2,587.6 | 15.9 | 0.6\% | 2,586.3 | 17.1 | 0.7\% | 2,585.2 | 18.3 | 0.7\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2000 | Above Normal | July | - | 987.9 5177 | 977.2 | 10.7 | 1.1\% | 976.1 | 11.8 | 1.2\% | 975.0 | 12.9 | 1.3\% | 974.0 | 14.0 | 1.4\% | 972.9 | 15.0 | 1.5\% | 971.8 | 16.1 | 1.6\% |
| ME3 | 385712 | 2000 | Above Normal | August | -- | 517.7 | 507.8 | 10.0 | 1.9\% | 506.8 | 11.0 | 2.1\% | 505.8 | 11.9 | 2.3\% | 504.8 | 12.9 | 2.5\% | 503.8 | 13.9 | 2.7\% | 502.8 | 14.9 | 2.9\% |
| мез | 385712 | 2000 | Above Normal | September | Used in Summary Table Analysis | 291.7 | 283.0 | 8.7 | 3.0\% | 282.1 | 9.5 | 3.3\% | 281.3 | 10.4 | 3.6\% | 280.4 | 11.3 | 3.9\% | 279.5 | 12.1 | 4.2\% | 278.7 | 13.0 | 4.5\% |
| ME3 | 385712 | 2001 | Dry | October | Used in Summary Table Analysis | 3,793.3 | 3,786.3 | 6.9 | 0.2\% | 3,785.6 | 7.6 | 0.2\% | 3,785.0 | 8.3 | 0.2\% | 3,784.3 | 9.0 | 0.2\% | 3,783.4 | 9.8 | 0.3\% | 3,782.8 | 10.5 | 0.3\% |
| ME3 | 385712 | 2001 | Dry | November | Used in Summary Table Analysis | 6,088.8 | 6,083.2 | 5.6 | 0.1\% | 6,082.6 | 6.1 | 0.1\% | 6,082.2 | 6.6 | 0.1\% | 6,081.6 | 7.2 | 0.1\% | 6,081.0 | 7.8 | 0.1\% | 6,080.4 | 8.3 | 0.1\% |
| ME3 | 385712 | 2001 | Dry | December | -- | 8,803.1 | 8,798.4 | 4.7 | 0.1\% | 8,797.8 | 5.3 | 0.1\% | 8,797.3 | 5.8 | 0.1\% | 8,796.9 | 6.3 | 0.1\% | ${ }^{8,796.4}$ | 6.7 | 0.1\% | 8,795.9 | 7.2 | 0.1\% |
| ME3 | 385712 | 2001 | Dry | January |  | 12,723.4 | 12,718.8 | 4.6 | 0.0\% | 12,718.8 | 4.6 | 0.0\% | 12,717.6 | 5.8 | 0.0\% | 12,717.6 | 5.8 | 0.0\% | 12,716.4 | 6.9 | 0.1\% | 12,716.4 | 6.9 | 0.1\% |
| ME3 | 385712 <br> 385712 <br> 8512 | 2001 | Dry | February | -- | $17,429.4$ 12,255 12, | $17,425.9$ 12,290 12, | 3.5 35 | 0.0\% | 17,424.8 | 4.6 | 0.0\% | $17,424.8$ 12 12708 | 4.6 4.6 | 0.0\% | $17,423.6$ 12,2708 | 5.8 4.6 | 0.0\% | $17,423.6$ 122697 | 5.8 58 | 0.0\% | $17,423.6$ 12,2697 | 5.8 58 | 0.0\% |
| ME3 | 385712 | 2001 | Dry | March | - | 12,275.5 | $12,272.0$ <br> 10.940 .6 | $\begin{aligned} & 3.5 \\ & 8.4 \end{aligned}$ | $0.0 \%$ $0.1 \%$ | $12,270.8$ 10,9398 1, | $\begin{aligned} & 4.6 \\ & 9.3 \end{aligned}$ | 0.0\% | $12,270.8$ $10,939.0$ | $\begin{aligned} & 4.6 \\ & 10.1 \end{aligned}$ | 0.0\% | $12,270.8$ $10,988.1$ 1 | 4.6 11.0 | 0.0\% | $12,269.7$ $10,937.3$ | 5.8 11.8 1.8 | 0.0\% | $12,269.7$ 109365 10 | 5.8 12.6 1.6 | ${ }_{\text {0.0\% }}^{0.0}$ |
| мез | 385712 | 2001 | Dry | May | - | 2,636.6 | 2,626.7 | 9.8 | 0.4\% | 2,625.7 | 10.9 | 0.4\% | 2,624.7 | 11.9 | 0.5\% | 2,623.7 | 12.8 | 0.5\% | 2,622.8 | 13.8 | 0.5\% | 2,621.8 | 14.8 | 0.6\% |
| мез | 385712 | 2001 | Dry | June | -- | 2,633.4 | 2,619.9 | 13.5 | 0.5\% | 2,618.6 | 14.8 | 0.6\% | 2,617.2 | 16.2 | 0.6\% | 2,615.9 | 17.6 | 0.7\% | 2,614.6 | 18.9 | 0.7\% | 2,613.2 | 20.3 | 0.8\% |
| ме3 | 385712 | 2001 | Dry | July | - | 717.1 | 704.8 | 12.3 | 1.7\% | 703.5 | 13.6 | 1.9\% | 702.3 | 14.8 | 2.1\% | 701.1 | 16.0 | 2.2\% | 699.8 | 17.2 | 2.4\% | 698.6 | 18.5 | 2.6\% |
| ME3 | 385712 | 2001 | Dry | August | -- | 169.7 | 157.8 | 11.9 | 7.0\% | 156.7 | 13.0 | 7.7\% | 155.5 | 14.2 | 8.4\% | 154.3 | 15.4 | 9.1\% | 153.1 | 16.6 | 9.8\% | 151.9 | 17.8 | 10.5\% |
| мез | 385712 | 2001 | Dry | September | Used in Summary Table Analysis | 92.3 | 82.0 | 10.4 | 11.2\% | 80.9 | 11.4 | 12.4\% | 79.9 | 12.5 | 13.5\% | 78.8 | 13.5 | 14.6\% | 77.8 | 14.5 | 15.7\% | 76.8 | 15.6 | 16.9\% |
| ME3 | 385712 <br> 385712 <br> 85712 | 2002 | Below Normal | October | Used in Summary Table Analysis | 261.6 119792 | 253.1 | 8.5 | 3.2\% | ${ }^{252.3}$ | 9.3 | 3.6\% | 251.4 21,911 | 10.2 | 3.9\% | ${ }^{250.6}$ | 11.0 | 4.2\% | 249.7 | 11.9 | 4.5\% | ${ }^{248.9}$ | 12.7 | 4.9\% |
| ME3 | $\begin{array}{r}385712 \\ \\ \\ \hline 85712\end{array}$ | 2002 | Below Normal | November | Used in Summary Table Analysis | $11,979.2$ 3593, | ${ }^{11,9727.2}$ | ${ }^{6.9}$ | 0.1\% | 11,971.1 | 8.1 | 0.1\% | 11,971.1 | 8.1 | 0.1\% | 11,969.9 | 9.3 | 0.1\% | 111,969.9 | 9.3 | 0.1\% | ${ }^{11,968.8}$ | 10.4 | 0.1\% |
| ME3 | 385712 <br> 385712 <br> 8512 | 2002 | Below Normal | December | - | $35,539.4$ 30787 30, | 35.533 .6 30781.3 | 5.8 58 | 0.0\% | $35,533.6$ 30781. | 5.8 58 | 0.0\% | $35,532.4$ 307801 | ${ }_{6}^{6.9}$ | 0.0\% | $35,532.4$ 30.7801 | 6.9 69 | 0.0\% | $35,531.3$ 307801 | 8.1 | 0.0\% | $35,531.3$ 307789 | 8.1 8.1 | 0.0\% |
| мез | 385712 | 2002 | Below Normal | March | -- | 17,737.3 | 17,732.6 | 4.6 | 0.0\% | 17,731.5 | 5.8 | 0.0\% | 17,731.5 | 5.8 | 0.0\% | 17,731.5 | 5.8 | 0.0\% | 17,730.3 | 6.9 | 0.0\% | 17,730.3 | 6.9 | 0.0\% |
| ME3 | 385712 | 2002 | Below Normal | April | -- | 9,908.9 | 9,900.6 | 8.3 | 0.1\% | 9,899.7 | 9.3 | 0.1\% | 9,898.8 | 10.1 | 0.1\% | 9,898.0 | 10.9 | 0.1\% | 9,897.1 | 11.8 | 0.1\% | 9,896.3 | 12.6 | 0.1\% |
| ME3 | 385712 | 2002 | Below Normal | May | - | 3,313.7 | 3,303.8 | 9.8 | 0.3\% | 3,302.8 | 10.9 | 0.3\% | 3,301.9 | 11.8 | 0.4\% | 3,300.8 | 12.8 | 0.4\% | 3,299.9 | 13.8 | 0.4\% | 3,298.8 | 14.8 | 0.4\% |
| ME3 | 385712 | 2002 | Below Normal | June | - | 851.2 | 840.1 | 11.1 | 1.3\% | 839.0 | 12.2 | 1.4\% | 837.9 | 13.3 | 1.6\% | 836.8 | 14.4 | 1.7\% | 835.7 | 15.5 | 1.8\% | 834.5 | 16.7 | 2.0\% |
| мез | 385712 | 2002 | Below Normal | July | - | 359.5 | 348.5 | 11.0 | 3.1\% | 347.4 | 12.1 | 3.4\% | 346.3 | 13.3 | 3.7\% | 345.2 | 14.4 | 4.0\% | 344.1 | 15.5 | 4.3\% | 343.0 | 16.6 | 4.6\% |
| ME3 | 385712 | 2002 | Below Normal | August | -- | 223.6 | 213.4 | 10.2 | 4.5\% | 212.3 | 11.2 | 5.0\% | 211.3 | 12.3 | 5.5\% | 21.3 | 13.3 | 5.9\% | 209.3 | 14.3 | 6.4\% | 208.3 | 15.3 | 6.9\% |
| me3 | 385712 | 2002 | Below Normal | September | Used in Summary Table Analysis | 160.6 | 151.1 | 9.5 | 5.9\% | 150.1 | 10.5 | 6.5\% | 149.2 | 11.4 | 7.1\% | 148.2 | 12.4 | 7.7\% | 147.3 | 13.3 | 8.3\% | 146.3 | 14.3 | 8.9\% |
| ME3 | 385712 | 2003 | Wet | October | Used in Summary Table Analysis | 125.7 | 118.1 | 7.6 | 6.0\% | 117.3 | 8.3 | 6.6\% | 116.6 | 9.1 | 7.2\% | 115.8 | 9.9 | 7.9\% | 115.0 | 10.6 | 8.5\% | 114.3 | 11.4 | 9.1\% |
| ME3 | 385712 | 2003 | Wet | November | Used in Summary Table Analysis | 891.9 | 885.9 | 6.0 | 0.7\% | 885.3 | 6.6 | 0.7\% | 884.7 | 7.2 | 0.8\% | 884.1 | 7.8 | 0.9\% | 883.5 | 8.4 | 0.9\% | 882.9 | 9.0 | 1.0\% |
| me3 | 385712 | 2003 | Wet | December | -- | 56,480.3 | 56,475.7 | 4.6 | 0.0\% | 56,474.5 | 5.8 | 0.0\% | 56,474.5 | 5.8 | 0.0\% | 56,473.4 | 6.9 | 0.0\% | 56,473.4 | 6.9 | 0.0\% | 56,472.2 | 8.1 | 0.0\% |
| MEE 3 | 385712 385712 | 2003 | Wet | January | - | $31,460.6$ 20,3171 | ${ }^{311,456.0}$ | 4.6 | 0.0\% | 31,456.0 | 4.6 | 0.0\% | 31,456.0 | 4.6 58 | 0.0\% | 31,454.9 | 5.8 | 0.0\% | 31,454.9 | 5.8 | 0.0\% | 31,453.7 | ${ }_{6}^{6.9}$ | 0.0\% |
| ME3 | 385712 | 2003 | Wet | February |  | 20,317.1 | 20,312.5 | 4.6 | 0.0\% | 20,312.5 | 4.6 | 0.0\% | 20,311.3 | 5.8 | 0.0\% | 20,311.3 | 5.8 | 0.0\% | 20,311.3 | 5.8 | 0.0\% | 20,310.2 | 6.9 | 0.0\% |
| ME3 <br> ME3 | 385712 <br> 385712 | 2003 | Wet | March | $\cdots$ | $\begin{array}{r}23,976.9 \\ \hline 12731\end{array}$ | 23,973.4 | 3.5 3.5 | 0.0\% | $23,973.4$ <br> 427685 <br> 12 | 3.5 4.6 | 0.0\% | $23,972.2$ 427685 | ${ }_{4}^{4.6}$ | 0.0\% | $23,972.2$ <br> 427685 <br> 12,484 | ${ }_{4}^{4.6}$ | 0.0\% $0.0 \%$ 0 | $23,971.1$ 42767.4 | 5.8 58 58 | 0.0\% | $23,971.1$ 427 42767.4 | 5.8 5.8 | 0.0\% |
| ME3 | 385712 | 2003 | Wet | May | -- | ${ }_{12,2060}$ | ${ }_{12,196.8}$ | ${ }_{9} 9$ | 0.1\% | ${ }^{42,195.6}$ | 10.4 | 0.1\% | 12,195.6 | 10.4 | 0.1\% | 12,194.4 | 11.6 | 0.1\% | 12,193.3 | 12.7 | 0.1\% | 12,192.1 | 13.9 | 0.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month | Note | FlowWithoutPumping | Existing Conditions |  |  | 10\% Pumping Increase |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Flow (cts) |  |  | $\begin{gathered} \text { Flow } \\ \substack{\text { Difference } \\ \text { (cfs) }} \end{gathered}$ | Percent Difference | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (Cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| me3 | 385712 | 2003 | Wet |  | June | - | 3,162.2 | 3,151.2 | 11.0 | 0.3\% | 3,150.1 | 12.0 | 0.4\% | 3,149.1 | 13.1 | 0.4\% | 3,148.0 | 14.1 | 0.4\% | 3,147.0 | 15.2 | 0.5\% | 3,145.9 | 16.2 | 0.5\% |
| ME3 | 385712 | 2003 | Wet | July | - | 1,469.3 | 1,458.3 | 11.0 | 0.7\% | 1,457.3 | 12.0 | 0.8\% | 1,456.1 | 13.2 | 0.9\% | 1,455.0 | 14.4 | 1.0\% | 1,453.9 | 15.4 | 1.0\% | 1,452.9 | 16.4 | 1.1\% |
| мез | 385712 | 2003 | Wet | August | -- | 755.7 | 745.2 | 10.5 | 1.4\% | 744.2 | 11.5 | 1.5\% | 743.1 | 12.5 | 1.7\% | 742.0 | 13.6 | 1.8\% | 741.0 | 14.7 | 1.9\% | 739.9 | 15.8 | 2.1\% |
| мез | 385712 | 2003 | Wet | September | Used in Summary Table Analysis | 453.9 | 445.2 | 8.8 | 1.9\% | 444.3 | 9.7 | 2.1\% | 443.4 | 10.5 | 2.3\% | 442.5 | 11.4 | 2.5\% | 441.7 | 12.3 | 2.7\% | 440.8 | 13.2 | 2.9\% |
| ME3 | 385712 | 2004 | Wet | October | Used in Summary Table Analysis | 321.0 | 313.9 | 7.1 | 2.2\% | 313.2 | 7.8 | 2.4\% | 312.5 | 8.5 | 2.7\% | 311.8 | 9.2 | 2.9\% | 311.1 | 9.9 | 3.1\% | 310.4 | 10.6 | 3.3\% |
| ME3 | 385712 | 2004 | Wet | November | Used in Summary Table Analysis | 5,766.0 | 5,760.3 | 5.7 | 0.1\% | 5,759.7 | 6.3 | 0.1\% | 5,759.1 | 6.8 | 0.1\% | 5,758.6 | 7.4 | 0.1\% | 5,758.0 | 8.0 | 0.1\% | 5,757.5 | 8.4 | 0.1\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2004 | Wet | December | - | 36,147.0 | 36,141.2 | 5.8 | 0.0\% | 36,141.2 | 5.8 | 0.0\% | 36,140.0 | 6.9 | 0.0\% | 36,140.0 | 6.9 | 0.0\% | $36,138.9$ | 8.1 | 0.0\% | 36,138.9 | 8.1 | 0.0\% |
| мE3 | 385712 | 2004 | Wet | January | -- | 31,361.1 | 31,357.6 | 3.5 | 0.0\% | 31,356.5 | 4.6 | 0.0\% | 31,356.5 | 4.6 | 0.0\% | 31,35.3 | 5.8 | 0.0\% | 31,355.3 | 5.8 | 0.0\% | 31,355.3 | 5.8 | 0.0\% |
| мез | 385712 | 2004 | Wet | February | -- | 38,128.5 | 38,125.0 | 3.5 | 0.0\% | 38,125.0 | 3.5 | 0.0\% | 38,123.8 | 4.6 | 0.0\% | 38,123.8 | 4.6 | 0.0\% | 38,123.8 | 4.6 | 0.0\% | 38,122.7 | 5.8 | 0.0\% |
| ME3 | 385712 | 2004 | Wet | March | - | 16,504.6 | 16,501.2 | 3.5 | 0.0\% | 16,501.2 | 3.5 | 0.0\% | 16,500.0 | 4.6 | 0.0\% | 16,500.0 | 4.6 | 0.0\% | 16,500.0 | 4.6 | 0.0\% | 16,498.8 | 5.8 | 0.0\% |
| ME3 | 385712 | 2004 | Wet | April | - | 9,436.3 | 9,432.8 | 3.6 | 0.0\% | 9,432.4 | 3.9 | 0.0\% | 9,432.1 | 4.3 | 0.0\% | 9,431.6 | 4.7 | 0.1\% | 9,431.3 | 5.1 | 0.1\% | 9,430.9 | 5.4 | 0.1\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2004 | Wet | May | - | 3,408.6 | 3,400.3 | 8.2 | 0.2\% | 3,399.5 | 9.0 | 0.3\% | 3,398.7 | 9.8 | 0.3\% | 3,397.8 | 10.8 | 0.3\% | 3,397.0 | 11.6 | 0.3\% | 3,396.2 | 12.4 | 0.4\% |
| ME3 | 385712 | 2004 | Wet | June | - | 689.4 | 679.1 | 10.3 | 1.5\% | 678.1 | 11.3 | 1.6\% | 677.0 | 12.4 | 1.8\% | 676.0 | 13.4 | 1.9\% | 675.0 | 14.4 | 2.1\% | 674.0 | 15.4 | 2.2\% |
| ME3 | 385712 | 2004 | Wet | July | - | 352.5 | 341.8 | 10.8 | 3.1\% | 340.7 | 11.8 | 3.4\% | 339.6 | 12.9 | 3.7\% | 338.5 | 14.0 | 4.0\% | 337.5 | 15.1 | 4.3\% | 336.4 | 16.1 | 4.6\% |
| ME3 | 385712 | 2004 | Wet | August | -- | 221.8 | 211.8 | 10.0 | 4.5\% | 210.8 | 11.0 | 5.0\% | 209.8 | 12.0 | 5.4\% | 208.8 | 13.0 | 5.9\% | 207.8 | 14.0 | 6.3\% | 206.8 | 15.0 | 6.8\% |
| ME3 | 385712 | 2004 | Wet | September | Used in Summary Table Analysis | 159.2 | 149.8 | 9.4 | 5.9\% | 148.8 | 10.3 | 6.5\% | 147.9 | 11.3 | 7.1\% | 147.0 | 12.2 | 7.7\% | 146.0 | 13.1 | 8.3\% | 145.1 | 14.1 | 8.8\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,634.3 | 7,627.1 | 7.2 | 0.1\% | 7,626.4 | 7.9 | 0.1\% | 7,625.6 | 8.7 | 0.1\% | 7,624.9 | 9.4 | 0.1\% | 7,624.2 | 10.1 | 0.1\% | 7,623.5 | 10.8 | 0.1\% |
| ME3 | 385712 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,250.3 | 2,244.7 | 5.7 | 0.3\% | 2,244.2 | 6.1 | 0.3\% | 2,243.6 | 6.7 | 0.3\% | 2,243.1 | 7.3 | 0.3\% | 2,242.5 | 7.9 | 0.3\% | 2,241.9 | 8.4 | 0.4\% |
| me3 | 385712 | 2005 | Above Normal | December |  | 20,890.0 | 20,884.3 | 5.8 | 0.0\% | 20,884,3 | 5.8 | 0.0\% | 20,883.1 | 6.9 | 0.0\% | 20,883.1 | 6.9 | 0.0\% | 20,883,1 | 6.9 | 0.0\% | 20,881.9 | 8.1 | 0.0\% |
| ME3 | 385712 | 2005 | Above Normal | January | -- | 22,277.8 | 22,273.1 | 4.6 | 0.0\% | 22,272.0 | 5.8 | 0.0\% | 22,272.0 | 5.8 | 0.0\% | 22,272.0 | 5.8 | 0.0\% | 22,270.8 | 6.9 | 0.0\% | 22,270.8 | 6.9 | 0.0\% |
| ME3 | 385712 | 2005 | Above Normal | February | - | 13,993.1 | 13,988.4 | 4.6 | 0.0\% | 13,988.4 | 4.6 | 0.0\% | 13,987.3 | 5.8 | 0.0\% | 13,987.3 | 5.8 | 0.0\% | 13,987.3 | 5.8 | 0.0\% | 13,886.1 | 6.9 | 0.0\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2005 | Above Normal | March | - | 28,486.1 | 28,481.5 | 4.6 | 0.0\% | 28,481.5 | 4.6 | 0.0\% | 28,481.5 | 4.6 | 0.0\% | 28,480.3 | 5.8 | 0.0\% | 28,480.3 | 5.8 | 0.0\% | 28,480.3 | 5.8 | 0.0\% |
| ME3 | 385712 | 2005 | Above Normal | April |  | 21,392.4 | 21,387.7 | 4.6 | 0.0\% | 21,387.7 | 4.6 | 0.0\% | 21,387.7 | 4.6 | 0.0\% | 21,386.6 | 5.8 | 0.0\% | 21,386.6 | 5.8 | 0.0\% | 21,386.6 | 5.8 | 0.0\% |
| мез | 385712 | 2005 | Above Normal | May | -- | 19,505.8 | 19,497.7 | 8.1 | 0.0\% | 19,496.5 | 9.3 | 0.0\% | 19,496.5 | 9.3 | 0.0\% | 19,495.4 | 10.4 | 0.1\% | 19,494.2 | 11.6 | 0.1\% | 19,493.1 | 12.7 | 0.1\% |
| ME3 | 385712 | 2005 | Above Normal | June | - | 15,795.1 | 15,783.6 | 11.6 | 0.1\% | 15,781.3 | 13.9 | 0.1\% | 15,780.1 | 15.0 | 0.1\% | 15,778.9 | 16.2 | 0.1\% | 15,777.8 | 17.4 | 0.1\% | 15,776.6 | 18.5 | 0.1\% |
| ME3 | 385712 | 2005 | Above Normal | July | - | 2,863.1 | 2,851.9 | 11.2 | 0.4\% | 2,850.7 | 12.4 | 0.4\% | 2,849.7 | 13.4 | 0.5\% | 2,888.5 | 14.6 | 0.5\% | 2,847.3 | 15.7 | 0.5\% | 2,846.3 | 16.8 | 0.6\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2005 | Above Normal | August | -- | 978.4 | 968.4 | 10.0 | 1.0\% | 967.4 | 11.0 | 1.1\% | 966.4 | 12.0 | 1.2\% | 965.4 | 13.0 | 1.3\% | 964.4 | 14.0 | 1.4\% | 963.4 | 15.0 | 1.5\% |
| ME3 | 385712 | 2005 | Above Normal | September | Used in Summary Table Analysis | 520.1 | 511.4 | 8.7 | 1.7\% | 510.5 | 9.5 | 1.8\% | 509.7 | 10.4 | 2.0\% | 508.8 | 11.3 | 2.2\% | 507.9 | 12.1 | 2.3\% | 507.1 | 13.0 | 2.5\% |
| мез | 385712 | 2006 | Wet | October | Used in Summary Table Analysis | 629.2 | 622.4 | 6.9 | 1.1\% | 621.7 | 7.6 | 1.2\% | 621.0 | 8.3 | 1.3\% | 620.3 | 8.9 | 1.4\% | 619.6 | 9.6 | 1.5\% | 618.9 | 10.3 | 1.6\% |
| ME3 | 385712 | 2006 | Wet | November | Used in Summary Table Analysis | 9,243.1 | 9,237.7 | 5.3 | 0.1\% | 9,237.2 | 5.9 | 0.1\% | 9,236.6 | 6.5 | 0.1\% | 9,236.1 | 6.9 | 0.1\% | 9,235.5 | 7.5 | 0.1\% | 9,235.0 | 8.1 | 0.1\% |
| ME3 | 385712 | 2006 | Wet | December |  | 43,292.8 | 43,288.2 | 4.6 | 0.0\% | 43,287.0 | 5.8 | 0.0\% | 43,287.0 | 5.8 | 0.0\% | 43,287.0 | 5.8 | 0.0\% | 43,285.9 | 6.9 | 0.0\% | 43,285.9 | 6.9 | 0.0\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2006 | Wet | January | - | 46,111.1 | 46,106.5 | 4.6 | 0.0\% | 46,106.5 | 4.6 | 0.0\% | 46,106.5 | 4.6 | 0.0\% | 46,105.3 | 5.8 | 0.0\% | 46,105.3 | 5.8 | 0.0\% | 46,104.2 | 6.9 | 0.0\% |
| ME3 | 385712 | 2006 | Wet | February |  | 26,539.4 | 26,534.7 | 4.6 | 0.0\% | 26,534.7 | 4.6 | 0.0\% | 26,534.7 | 4.6 | 0.0\% | 26,533.6 | 5.8 | 0.0\% | 26,533.6 | 5.8 | 0.0\% | 26,533.6 | 5.8 | 0.0\% |
| ME3 | 385712 <br> 385712 <br> 8572 | 2006 | Wet | March | - |  | $47,008.1$ 30,369 | 3.5 35 | 0.0\% | $47,088.1$ 30,36. 1, | 3.5 3 | 0.0\% | 47.006 .9 30,669 | 4.6 3 | 0.0\% | 47,006.9 30,3657 l | 4.6 4.6 | 0.0\% | $47,006.9$ 30,655 | 4.6 | 0.0\% |  | 5.8 | 0.0\% |
| ME3 | 385712 | 2006 | Wet | April | - | 30,370.4 | 30,36.9 | 3.5 | 0.0\% | 30,366.9 | 3.5 | 0.0\% | 30,366.9 | 3.5 | 0.0\% | 30,365.7 | 4.6 | 0.0\% | 30,365.7 | 4.6 | 0.0\% | 30,365.7 | 4.6 | 0.0\% |
| ME3 <br> ME3 | 385712 385712 | 2006 | Wet | May | $\cdots$ | 14,173.6 | $14,169.0$ 3,333 1 | 4.6 104 | ${ }^{0.0 \%}$ | $14,167.8$ $3,532.8$ 1 | 5.8 | 0.0\% | $\underset{\substack{14,167.8 \\ 3,531.4 \\ 1}}{ }$ | 5.8 12.4 12.4 | 0.0\% | $14,167.8$ $3,530.3$ 1 | 5.8 13.4 13.4 | 0.0\% | $14,166.7$ $3,529.3$ 1 | 6.9 14.5 | 0.0\% | $14,166.7$ 3.528 .2 1 | $\begin{array}{r}6.9 \\ 15.5 \\ \hline 151\end{array}$ | 0.0\% |
| ME 3 | 385712 | 2006 | Wet | July | -- | 1,17368 1,273.8 | ${ }_{1,263.1}^{3}$ | 10.8 | 0.8\% | ${ }_{\text {1, }}^{1,262.0}$ | 11.8 | 0.9\% | $1,261.4$ $1,261.0$ | 12.4 12.8 | 1.0\% | ${ }_{1}^{1,260.0}$ | 13.9 13.9 | 1.1\% | 1,258.8 | 15.0 15.0 | 1.2\% | ${ }^{14,166.7}{ }^{\text {1,257.8 }}$ | ${ }_{16.1}$ | 1.3\% |
| мез | 385712 | 2006 | Wet | August | -- | 660.0 | 649.8 | 10.2 | 1.5\% | 648.8 | 11.2 | 1.7\% | 647.7 | 12.3 | 1.9\% | 646.7 | 13.3 | 2.0\% | 645.7 | 14.3 | 2.2\% | 644.6 | 15.4 | 2.3\% |
| ME3 | 385712 | 2006 | Wet | September | Used in Summary Table Analysis | 421.4 | 412.7 | 8.8 | 2.1\% | 411.8 | 9.6 | 2.3\% | 410.9 | 10.5 | 2.5\% | 410.0 | 11.4 | 2.7\% | 409.1 | 12.3 | 2.9\% | 408.3 | 13.2 | 3.1\% |
| ME3 | 385712 | 2007 | Above Normal | October | Used in Summary Table Analysis | 270.5 | 263.5 | 7.0 | 2.6\% | 262.8 | 7.7 | 2.8\% | 262.1 | 8.4 | 3.1\% | 261.4 | 9.1 | 3.4\% | 260.7 | 9.8 | 3.6\% | 260.0 | 10.5 | 3.9\% |
| ME3 | 385712 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,611.2 | 8,605.8 | 5.4 | 0.1\% | 8,605.2 | 6.0 | 0.1\% | 8,604.6 | ${ }^{6.6}$ | 0.1\% | 8,604.1 | 7.2 | 0.1\% | 8,603.5 | 7.8 | 0.1\% | 8,602.9 | 8.3 | 0.1\% |
| ME3 | 385712 | 2007 | Above Normal | December |  | 20,298.6 | 20,292.8 | 5.8 | 0.0\% | 20,292.8 | 5.8 | 0.0\% | 20,292.8 | 5.8 | 0.0\% | 20,291.7 | 6.9 | 0.0\% | 20,291.7 | 6.9 | 0.0\% | 20,290.5 | 8.1 | 0.0\% |
| ME3 | 385712 <br> 385712 <br> 8512 | 2007 | Above Normal | January | -- | $10,221.9$ 30445 13015 |  | 4.3 3 | 0.0\% | $10,217.1$ 304410 | 4.7 4.6 | 0.0\% | $10,216.7$ <br> 30,411 <br> 13051 | 5.2 4.6 | ${ }^{0.1 \%}$ |  | 5.7 4.6 | ${ }^{0.1 \%}$ | $10,215.7$ 304398 | 6.1 58 | 0.1\% |  | ${ }_{5}^{6.5}$ | ${ }^{0.1 \%}$ |
| ME3 <br> ME3 | 385712 | 2007 | Above Normal | February |  | 30,445.6 | 30,442.1 | 3.5 | 0.0\% | 30,441.0 | 4.6 | 0.0\% | 30,441.0 | 4.6 | 0.0\% | 30,441.0 | 4.6 | 0.0\% | 30,439.8 | 5.8 | 0.0\% | 30,439.8 | 5.8 | 0.0\% |
| ME3 <br> ME | $\begin{array}{r}385712 \\ 385712 \\ \hline\end{array}$ | 2007 | Above Normal Above Normal | March | -- | $13,081.0$ $11,514.6$ | $13,076.4$ $11,50.5$ | 4.6 8.1 | 0.0\% | 13,406.4 $11,505.7$ | 4.6 8.9 | - | 13,075.2 | 5.8 9.6 | 0.1\% | $13,075.2$ $11,504.2$ | 5.8 10.4 | 0.1\% | $13,075.2$ $11,503.2$ | 5.8. 11.3 | 0.1\% | ${ }^{13,074.1}$ | 12.0 12.9 | ${ }_{\text {en }}^{0.1 \%}$ |
| me3 | 385712 | 2007 | Above Normal | May | -- | 4,130.8 | 4,121.2 | 9.6 | 0.2\% | 4,120.3 | 10.5 | 0.3\% | 4,119.3 | 11.5 | 0.3\% | 4,118.4 | 12.4 | 0.3\% | 4,117.4 | 13.4 | 0.3\% | 4,116.4 | 14.4 | 0.3\% |
| ME3 | 385712 | 2007 | Above Normal | June | - | 1,492.1 | 1,480.7 | 11.5 | 0.8\% | 1,479.5 | 12.6 | 0.8\% | 1,478.4 | 13.8 | 0.9\% | 1,477.2 | 14.9 | 1.0\% | 1,476.0 | 16.1 | 1.1\% | 1,475.0 | 17.1 | 1.1\% |
| ME3 | $\begin{array}{r}385712 \\ \hline 8572\end{array}$ | 2007 | Above Normal | July | - | 493.4 | 482.0 | 11.3 | 2.3\% | 480.9 | 12.5 | 2.5\% | 479.8 | 13.6 | 2.8\% | 478.6 | 14.7 | 3.0\% | 477.5 | 15.9 | 3.2\% | 476.4 | 17.0 | 3.4\% |
| ME3 | 385712 | 2007 | Above Normal | August | -- | 219.5 | 209.5 | 10.0 | 4.6\% | 208.5 | 11.1 | 5.0\% | 207.5 | 12.1 | 5.5\% | 206.5 | 13.0 | 5.9\% | 205.5 | 14.1 | 6.4\% | 204.5 | 15.0 | 6.9\% |
| ME3 | 385712 | 2007 | Above Normal | September | Used in Summary Table Analysis | 147.2 | 137.8 | 9.4 | 6.4\% | 136.9 | 10.3 | 7.0\% | 136.0 | ${ }^{11.3}$ | 7.6\% | 135.0 | 12.2 | 8.3\% | 134.1 | ${ }^{13.1}$ | 8.9\% | 133.2 | 14.1 | 9.5\% |
| ME3 | 385712 | 2008 | Dry | October | Used in Summary Table Analysis | 3,413.8 | 3,406.4 | 7.4 | 0.2\% | 3,405.6 | 8.2 | 0.2\% | 3,404.9 | 8.9 | 0.3\% | 3,404.1 | 9.7 | 0.3\% | 3,403.4 | 10.4 | 0.3\% | $3,402.7$ 3,2475 | 11.1 | 0.3\% |
| ME3 ${ }^{\text {a }}$ | 385712 38572 | 2008 | Dry | November | Used in Summary Table Analysis | 3,255.9 | 3,250.2 | 5.7 | ${ }^{0.2 \%}$ | 3,2497.7 | 6.3 58 | 0.2\% | $3,249.1$ 22974 | 6.8 58 | 0.2\% | $3,248.6$ 22973.4 | 7.3 6.9 | 0.2\% | $3,248.0$ 2293.4 | 7.9 6.9 | $0.2 \%$ $0.0 \%$ | 3,247.5 22,972. | 8.4 8.1 | $0.3 \%$ $0.0 \%$ |
| ME3 ME3 | 385712 | 2008 | Dry | December | - | 22,980.3 | 22,975.7 | 4.6 | 0.0\% | 22,974.5 | 5.8 | 0.0\% | 22,974.5 | 5.8 | 0.0\% | 22,973.4 | 6.9 | 0.0\% | 22,973.4 27,35.4 | 6.9 | 0.0\% | 22,972.2 | 8.1 | 0.0\% $0.0 \%$ |
| ME3 <br> ME | $\begin{array}{r}385712 \\ 385712 \\ \hline\end{array}$ | 2008 2008 | Dry Dry | ${ }_{\text {January }}^{\text {February }}$ | -- | $32,3929.4$ $26,237.3$ | $327,387.7$ $26,233.8$ 21, | 4.6 3.5 | -0.0\% | 37,386.6 26, 232.6 | 5.8 4.6 | - | $37,385.6$ $26,232.6$ | 5.8 4.6 | 0.0\% | $32,385.4$ <br> $26,232.6$ <br> $10,72$. | 6.6 4.6 | 0.0\% | $37,385.4$ $26,231.5$ | ${ }_{5}^{6.9}$ | 0.0\% | $32,385.4$ $26,231.5$ | 8.9 5.8 | 0.0\% |
| ME3 | 385712 | 2008 | Dry | March | -- | 11,778.9 | 11,775.5 | 3.5 | 0.0\% | 11,775.5 | 3.5 | 0.0\% | 11,774.3 | 4.6 | 0.0\% | 11,774.3 | 4.6 | 0.0\% | 11,774.3 | 4.6 | 0.0\% | 11,773.1 | 5.8 | 0.0\% |
| ме3 | 385712 | 2008 | Dry | April | - | 9,004.5 | 8,996.3 | 8.2 | 0.1\% | 8,995.5 | 9.0 | 0.1\% | 8,994.7 | 9.8 | 0.1\% | 8,993.9 | 10.6 | 0.1\% | 8,993.1 | 11.5 | 0.1\% | 8,992.2 | 12.3 | 0.1\% |
| ME3 | 385712 | 2008 | Dry | May | - | 1,360.9 | 1,352.1 | 8.8 | 0.6\% | 1,351.3 | 9.6 | 0.7\% | 1,350.3 | 10.5 | 0.8\% | 1,349.5 | 11.3 | 0.8\% | 1,348.6 | 12.3 | 0.9\% | 1,347.8 | 13.1 | 1.0\% |
| ME3 | 385712 | 2008 | Dry | June | - | 435.0 | 422.4 | 12.6 | 2.9\% | 421.1 | 13.8 | 3.2\% | 419.9 | 15.1 | 3.5\% | 418.6 | 16.3 | 3.8\% | 417.4 | 17.6 | 4.0\% | 416.2 | 18.8 | 4.3\% |
| ME3 | 385712 385712 | 2008 | Dry | July | - | 253.4 | 24.3 | 12.0 | 4.8\% | 240.1 169 | 13.2 | 5.2\% | ${ }^{238.9}$ | 14.4 | 5.7\% | 237.7 1616 | 15.6 | ${ }^{6.2 \%}$ | 236.5 165 | ${ }_{16.8}^{16.8}$ | ${ }_{6.6 \%}$ | 235.3 159 | 18.0 | 7.1\% |
| ME3 ME3 | 385712 | 2008 | Dry | August | - | 176.6 | 165.0 | 11.5 | 6.5\% | 163.9 | 12.7 | 7.2\% | 162.7 | 13.8 | 7.8\% | 161.6 | 15.0 | 8.5\% | ${ }_{100.5}$ | ${ }_{16.1}$ | 9.1\% | 159.3 | ${ }^{17.3}$ | 9.8\% |
| ME3 | 385712 | 2008 | Dry | September | Used in Summary Table Analysis | 138.3 | 127.4 | 10.9 | 7.9\% | 126.3 | 12.0 | 8.7\% | 125.2 | 13.1 | 9.5\% | 124.1 | 14.2 | 10.3\% | 123.0 | 15.3 | 11.1\% | 121.9 | 16.4 | 11.9\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
EER River Valley Groundwater sustainability Plan
Humboldt County Groundaate Susa


Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan


Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  |  |  |  |  |  |  | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) | Water Year | Water Year Type | Month | Note | Without Pumping (cfs) | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME3 | 385712 | 2019 | Below Normal | June | - | 4,243.2 | 4,233.2 | 11.0 | 0.3\% | 4,231.0 | 12.2 | 0.3\% | 4,229.9 | 13.3 | 0.3\% | 4,228.8 | 14.4 | 0.3\% | 4,227.7 | 15.5 | 0.4\% | 4,226.6 | 16.6 | 0.4\% |
| ME3 | 385712 | 2019 | Below Normal | July | - | 1,356.3 | 1,345.4 | 10.9 | 0.8\% | 1,344.3 | 11.9 | 0.9\% | 1,343.2 | 13.1 | 1.0\% | 1,342.1 | 14.1 | 1.0\% | 1,341.1 | 15.2 | 1.1\% | 1,339.9 | 16.3 | 1.2\% |
| ME3 | 385712 | 2019 | Below Normal | August | -- | 591.8 | 581.6 | 10.2 | 1.7\% | 580.6 | 11.2 | 1.9\% | 579.6 | 12.2 | 2.1\% | 578.6 | 13.2 | 2.2\% | 577.5 | 14.2 | 2.4\% | 576.5 | 15.3 | 2.6\% |
| ме3 | 385712 | 2019 | Below Normal | September | Used in Summary Table Analysis | 458.8 | 449.4 | 9.4 | 2.0\% | 448.5 | 10.3 | 2.2\% | 447.6 | 11.2 | 2.4\% | 446.6 | 12.2 | 2.6\% | 445.7 | 13.1 | 2.9\% | 444.8 | 14.0 | 3.1\% |
| ME3 | 385712 | 2020 | Dry | October | Used in Summary Table Analysis | 353.0 | 346.2 | 6.8 | 1.9\% | 345.5 | 7.5 | 2.1\% | 344.8 | 8.2 | 2.3\% | 344.2 | 8.9 | 2.5\% | 343.5 | 9.6 | 2.7\% | 342.8 | 10.2 | 2.9\% |
| ME3 | 385712 | 2020 | Dry | November | Used in Summary Table Analysis | 313.5 | 308.3 | 5.2 | 1.7\% | 307.7 | 5.8 | 1.8\% | 307.2 | 6.3 | 2.0\% | 306.7 | 6.8 | 2.2\% | 306.2 | 7.3 | 2.3\% | 305.6 | 7.9 | 2.5\% |
| ME3 | 385712 | 2020 | Dry | December | - | 13,174.8 | 13,170.1 | 4.6 | 0.0\% | 13,169.0 | 5.8 | 0.0\% | 13,169.0 | 5.8 | 0.0\% | 13,169.0 | 5.8 | 0.0\% | 13,167.8 | 6.9 | 0.1\% | 13,167.8 | 6.9 | 0.1\% |
| мез | 385712 | 2020 | Dry | January | - | 22,244.2 | 22,239.6 | 4.6 | 0.0\% | 22,238.4 | 5.8 | 0.0\% | 22,238.4 | 5.8 | 0.0\% | 22,238.4 | 5.8 | 0.0\% | 22,237.3 | 6.9 | 0.0\% | 22,237.3 | 6.9 | 0.0\% |
| ME3 | 385712 | 2020 | Dry | February | -- | 7,411.2 | 7,407.3 | 3.9 | 0.1\% | 7,406.9 | 4.3 | 0.1\% | 7,406.6 | 4.6 | 0.1\% | 7,406.1 | 5.1 | 0.1\% | 7,405.8 | 5.4 | 0.1\% | 7,405.3 | 5.9 | 0.1\% |
| ME3 | 385712 | 2020 | Dry | March | - | 7,228.5 | 7,224.8 | 3.7 | 0.1\% | 7,224.3 | 4.2 | 0.1\% | 7,224.0 | 4.5 | 0.1\% | 7,223.6 | 4.9 | 0.1\% | 7,223.3 | 5.2 | 0.1\% | 7,222.8 | 5.7 | 0.1\% |
| me3 | 385712 | 2020 | Dry | April | - | 5,465.5 | 5,457.2 | 8.3 | 0.2\% | 5,456.4 | 9.1 | 0.2\% | 5,455.4 | 10.1 | 0.2\% | 5,454.6 | 10.9 | 0.2\% | 5,453.8 | 11.7 | 0.2\% | 5,453.0 | 12.5 | 0.2\% |
| ME3 | 385712 | 2020 | Dry | May | - | 7,354.4 | 7,344.4 | 10.0 | 0.1\% | 7,343.5 | 10.9 | 0.1\% | 7,342.5 | 11.9 | 0.2\% | 7,341.6 | 12.8 | 0.2\% | 7,340.5 | 13.9 | 0.2\% | 7,339.5 | 14.9 | 0.2\% |
| ME3 | 385712 | 2020 | Dry | June | - | 2,104.1 | 2,090.9 | 13.2 | 0.6\% | 2,089.6 | 14.5 | 0.7\% | 2,088.3 | 15.7 | 0.7\% | 2,086.9 | 17.1 | 0.8\% | 2,085.6 | 18.4 | 0.9\% | 2,084.4 | 19.7 | 0.9\% |
| ME3 | 385712 | 2020 | Dry | July | - | 793.6 | 781.0 | 12.6 | 1.6\% | 779.8 | 13.8 | 1.7\% | 778.5 | 15.1 | 1.9\% | 777.3 | 16.3 | 2.1\% | 776.0 | 17.6 | 2.2\% | 774.8 | 18.8 | 2.4\% |
| ME3 | 385712 | 2020 | Dry | August | - | 396.1 | 383.8 | 12.2 | 3.1\% | 382.6 | 13.4 | 3.4\% | 381.4 | 14.7 | 3.7\% | 380.2 | 15.9 | 4.0\% | 378.9 | 17.1 | 4.3\% | 377.7 | 18.3 | 4.6\% |
| me3 | 385712 | 2020 | Dry | September | Used in Summary Table Analysis | 245.6 | 234.8 | 10.7 | 4.4\% | 233.8 | 11.8 | 4.8\% | 232.7 | 12.9 | 5.2\% | 231.6 | 13.9 | 5.7\% | 23.6 | 15.0 | 6.1\% | 229.5 | 16.1 | 6.6\% |
| ME3 | 385613 | 2000 | Above Normal | October | Used in Summary Table Analysis | 811.9 | 804.6 | 7.3 | 0.9\% | 803.9 | 8.0 | 1.0\% | 803.2 | 8.7 | 1.1\% | 802.4 | 9.4 | 1.2\% | 801.7 | 10.2 | 1.3\% | 801.0 | 10.9 | 1.3\% |
| ME3 | 385613 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,046.3 | 12,040.5 | 5.8 | 0.0\% | 12,039.4 | 6.9 | 0.1\% | 12,038.2 | 8.1 | 0.1\% | 12,038.2 | 8.1 | 0.1\% | 12,037.0 | 9.3 | 0.1\% | 12,037.0 | 9.3 | 0.1\% |
| ME3 | 385613 | 2000 | Above Normal | December |  | 10,771.9 | 10,767.0 | 4.9 | 0.0\% | 10,766.6 | 5.3 | 0.0\% | 10,766.1 | 5.8 | 0.1\% | 10,765.6 | 6.3 | 0.1\% | 10,765.0 | 6.8 | 0.1\% | 10,764.6 | 7.3 | 0.1\% |
| ME3 | 385613 | 2000 | Above Normal | January | - | 28,453.7 | 28,449.1 | 4.6 | 0.0\% | 28,449.1 | 4.6 | 0.0\% | 28,447.9 | 5.8 | 0.0\% | 28,447.9 | 5.8 | 0.0\% | 28,446.8 | 6.9 | 0.0\% | 28,446.8 | 6.9 | 0.0\% |
| me3 | 385613 | 2000 | Above Normal | February | - | 36,961.8 | 36,957.2 | 4.6 | 0.0\% | 36,957.2 | 4.6 | 0.0\% | 36,956.0 | 5.8 | 0.0\% | 36,956.0 | 5.8 | 0.0\% | 36,956.0 | 5.8 | 0.0\% | 36,954.9 | 6.9 | 0.0\% |
| ME3 | 385613 | 2000 | Above Normal | March | - | 18,290.5 | 18,287.0 | 3.5 | 0.0\% | 18,287.0 | 3.5 | 0.0\% | 18,287.0 | 3.5 | 0.0\% | 18,285.9 | 4.6 | 0.0\% | 18,285.9 | 4.6 | 0.0\% | 18,285.9 | 4.6 | 0.0\% |
| ME3 | 385613 | 2000 | Above Normal | April | - | 12,295.1 | 12,291.7 | 3.5 | 0.0\% | 12,291.7 | 3.5 | 0.0\% | 12,290.5 | 4.6 | 0.0\% | 12,290.5 | 4.6 | 0.0\% | 12,290.5 | 4.6 | 0.0\% | 12,289.4 | 5.8 | 0.0\% |
| ME3 | 385613 | 2000 | Above Normal | May | - | 7,078.7 | 7,070.4 | 8.3 | 0.1\% | 7,069.6 | 9.1 | 0.1\% | 7,068.8 | 10.0 | 0.1\% | 7,067.8 | 10.9 | 0.2\% | 7,067.0 | 11.7 | 0.2\% | 7,066.2 | 12.5 | 0.2\% |
| ME3 | 385613 | 2000 | Above Normal | June | - | 2,604.9 | 2,592.5 | 12.4 | 0.5\% | 2,591.3 | 13.5 | 0.5\% | 2,599.0 | 14.8 | 0.6\% | 2,588.8 | 16.1 | 0.6\% | 2,587.6 | 17.2 | 0.7\% | 2,586.3 | 18.5 | 0.7\% |
| ME3 | 385613 | 2000 | Above Normal | July | - | 988.6 | 977.6 | 10.9 | 1.1\% | 976.5 | 12.0 | 1.2\% | 975.5 | 13.1 | 1.3\% | 974.4 | 14.2 | 1.4\% | 973.3 | 15.3 | 1.5\% | 972.2 | 16.4 | 1.7\% |
| ME3 | 385613 | 2000 | Above Normal | August | -- | 518.5 | 508.4 | 10.2 | 2.0\% | 507.4 | 11.2 | 2.2\% | 506.4 | 12.2 | 2.3\% | 505.3 | 13.2 | 2.5\% | 504.3 | 14.2 | 2.7\% | 503.3 | 15.2 | 2.9\% |
| ме3 | 385613 | 2000 | Above Normal | September | Used in Summary Table Analysis | 292.4 | 283.6 | 8.8 | 3.0\% | 282.7 | 9.7 | 3.3\% | 281.8 | 10.6 | 3.6\% | 280.9 | 11.5 | 3.9\% | 280.1 | 12.4 | 4.2\% | 279.2 | 13.3 | 4.5\% |
| ME3 | 385613 | 2001 | Dry | October | Used in Summary Table Analysis | 3,798.5 | 3,791.3 | 7.2 | 0.2\% | 3,790.6 | 7.9 | 0.2\% | 3,789.8 | 8.7 | 0.2\% | 3,789.1 | 9.4 | 0.2\% | 3,788.4 | 10.1 | 0.3\% | 3,787.7 | 10.8 | 0.3\% |
| ME3 | 385613 | 2001 | Dry | November | Used in Summary Table Analysis | 6,097.1 | 6,091.3 | 5.8 | 0.1\% | 6,090.7 | 6.4 | 0.1\% | 6,090.2 | 6.9 | 0.1\% | 6,089.6 | 7.5 | ${ }^{0.1 \%}$ | 6,089.1 | 8.0 | ${ }^{0.1 \%}$ | 6,088.5 | 8.6 | ${ }^{0.1 \%}$ |
| ME3 | 385613 | 2001 | Dry | December |  | 8,811.3 | 8,806.4 | 5.0 | 0.1\% | 8,805.9 | 5.4 | 0.1\% | 8,805.3 | 6.0 | 0.1\% | 8,804.9 | 6.5 | 0.1\% | 8,804.4 | 6.9 | 0.1\% | 8,803.8 | 7.5 | 0.1\% |
| ME3 | 385613 | 2001 | Dry | January | -- | 12,738.4 | 12,733.8 | 4.6 | 0.0\% | 12,733.8 | 4.6 | 0.0\% | 12,733.8 | 4.6 | 0.0\% | 12,732.6 | 5.8 | 0.0\% | 12,732.6 | 5.8 | 0.0\% | 12,731.5 | 6.9 | 0.1\% |
| ме3 | 385613 | 2001 | Dry | February | - | 17,438.7 | 17,435.2 | 3.5 | 0.0\% | 17,434.0 | 4.6 | 0.0\% | 17,434.0 | 4.6 | 0.0\% | 17,434.0 | 4.6 | 0.0\% | 17,432.9 | 5.8 | 0.0\% | 17,432.9 | 5.8 | 0.0\% |
| ME3 | 385613 | 2001 | Dry | March | - | 12,280.1 | 12,275.5 | 4.6 | 0.0\% | 12,275.5 | 4.6 | 0.0\% | 12,275.5 | 4.6 | 0.0\% | 12,274.3 | 5.8 | 0.0\% | 12,274.3 | 5.8 | 0.0\% | 12,274.3 | 5.8 | 0.0\% |
| me ${ }^{\text {3 }}$ | 385613 | 2001 | Dry | April | - | 10,954.1 | 10,945.5 | 8.6 | 0.1\% | 10,944.6 | 9.5 | 0.1\% | 10,943.8 | 10.3 | 0.1\% | 10,942.9 | 11.1 | 0.1\% | 10,942.0 | 12.0 | 0.1\% | 10,941.2 | 12.8 | 0.1\% |
| ME3 ${ }^{\text {a }}$ | 385613 | 2001 | Dry | May | - | 2,636.3 | 2,626.3 | 10.1 | 0.4\% | 2,625.2 | 11.1 | 0.4\% | 2,624.2 | 12.2 | 0.5\% | 2,623.3 | 13.1 | 0.5\% | 2,622.2 | 14.1 | 0.5\% | 2,621.3 | 15.0 | 0.6\% |
| ME3 | 385613 385613 | 2001 | Dry | June | - | $2,636.7$ 717 | 2,623.0 | 13.7 | ${ }^{0.5 \%}$ | $2,621.6$ 7 7055 | 15.0 | ${ }^{0.6 \%}$ | 2,620.3 | 16.4 | ${ }^{0.6 \%}$ | $2,618.9$ 7019 | 17.8 | ${ }^{0.7 \%}$ | 2,617.6 | 19.1 | 0.7\% | 2,616.2 | 20.5 188 | ${ }^{0.8 \%}$ |
| ме3 | 385613 | 2001 | Dry | July | - | 717.3 | 704.8 | 12.5 | 1.7\% | 703.5 | 13.8 | 1.9\% | 702.3 | 15.0 | 2.1\% | 701.0 | 16.3 | 2.3\% | 699.8 | 17.5 | 2.4\% | 698.5 | 18.8 | 2.6\% |
| ME3 | 385613 | 2001 | Dry | August | -- | 170.3 | 158.3 | 12.1 | 7.1\% | 157.0 | 13.3 | 7.8\% | 155.8 | 14.5 | 8.5\% | 154.6 | 15.7 | 9.2\% | 153.4 | 16.9 | 9.9\% | 152.2 | ${ }^{18.1}$ | 10.6\% |
| ME3 ${ }^{\text {a }}$ | 385613 | 2001 | Dry | September | Used in Summary Table Analysis | 93.1 | 82.5 | 10.6 | 11.4\% | 81.4 | 11.6 | 12.5\% | 80.4 | 12.7 | 13.6\% | 79.3 | 13.8 | 14.8\% | 78.3 | 14.8 | 15.9\% | 77.2 2495 | 15.9 | 17.0\% |
| ME3 ${ }^{\text {a }}$ | 385613 | 2002 | Below Normal | October | Used in Summary Table Analysis | 262.5 | 253.8 | 8.6 | 3.3\% | 253.0 | 9.5 | 3.6\% | 252.1 | 10.4 | 4.0\% | 251.2 | 11.3 | 4.3\% | 250.4 | 12.1 | 4.6\% | 249.5 | 13.0 | ${ }^{4.9 \%}$ |
| ME ${ }^{3}$ | 385613 | 2002 | Below Normal | November | Used in Summary Table Analysis | 11,989.6 | ${ }^{11,983.8}$ | 5.8 | 0.0\% | ${ }^{11,982.6}$ | 6.9 | 0.1\% | $11,981.5$ 35566 | 8.1 | ${ }^{0.1 \%}$ |  | 8.1 | 0.1\% | $11,980.3$ 3554 | 9.3 8.1 | 0.1\% $0.0 \%$ | $11,980.3$ 35563,7 | 9.3 9.3 | $0.1 \%$ $0.0 \%$ |
| ME <br> ME3 | 385613 | 2002 | Below Normal Below Normal | December | -- | $35,572.9$ 30.806 .7 | $35,567.1$ 30.802 .1 | $\begin{aligned} & 5.8 \\ & 4.6 \end{aligned}$ | $0.0 \%$ $0.0 \%$ 0 | $35,566.0$ 30800.9 | $\begin{aligned} & 6.9 \\ & 5.8 \end{aligned}$ | 0.0\% | $35,566.0$ 30.800 .9 | $\begin{aligned} & 6.9 \\ & 5.8 \end{aligned}$ | $0.0 \%$ $0.0 \%$ | 35,564.8 <br> 30,800.9 | 8.1 5.8 | $0.0 \%$ $0.0 \%$ 0 | $35,564.8$ 30.799 .8 | 8.1 6.9 | 0.0\% $0.0 \%$ | $35,563.7$ 30.799 .8 | 9.3 6.9 | 0.0\% $0.0 \%$ |
| мез | 385613 | 2002 | Below Normal | February | -- | 24,635.4 | 24,629.6 | 5.8 | 0.0\% | 24,629.6 | 5.8 | 0.0\% | 24,629.6 | 5.8 | 0.0\% | 24,628.5 | 6.9 | 0.0\% | 24,628.5 | 6.9 | 0.0\% | 24,627.3 | 8.1 | 0.0\% |
| мез | 385613 | 2002 | Below Normal | March | -- | 17,746.5 | 17,741.9 | 4.6 | 0.0\% | 17,740.7 | 5.8 | 0.0\% | 17,740.7 | 5.8 | 0.0\% | 17,739.6 | 6.9 | 0.0\% | 17,739.6 | 6.9 | 0.0\% | 17,739.6 | 6.9 | 0.0\% |
| ME3 | 385613 | 2002 | Below Normal | April | - | 9,911.9 | 9,903.5 | 8.4 | 0.1\% | 9,902.7 | 9.3 | 0.1\% | 9,901.7 | 10.2 | 0.1\% | 9,900.9 | 11.0 | 0.1\% | 9,900.0 | 11.9 | 0.1\% | 9,899.2 | 12.7 | 0.1\% |
| ME3 | 385613 | 2002 | Below Normal | may | - | 3,314.5 | 3,304.5 | 10.0 | 0.3\% | 3,303.5 | 11.0 | 0.3\% | 3,302.5 | 11.9 | 0.4\% | 3,301.5 | 13.0 | 0.4\% | 3,300.5 | 14.0 | 0.4\% | 3,299.4 | 15.0 | 0.5\% |
| ME3 | 385613 | 2002 | Below Normal | June | - | 851.6 | 840.3 | 11.3 | 1.3\% | 839.2 | 12.4 | 1.5\% | 838.0 | 13.5 | 1.6\% | 836.9 | 14.7 | 1.7\% | 835.8 | 15.8 | 1.9\% | 834.7 | 16.9 | 2.0\% |
| ME3 | 385613 | 2002 | Below Normal | July | - | 360.1 | 348.9 | 11.2 | 3.1\% | 347.7 | 12.3 | 3.4\% | 346.6 | ${ }^{13.5}$ | 3.7\% | 345.5 | 14.6 | 4.1\% | 344.4 | 15.7 | 4.4\% | 343.3 | 16.8 | 4.7\% |
| ME3 ${ }_{\text {M }}$ | 385613 | 2002 | Below Normal | August | -- | 224.4 | 214.0 | 10.4 | 4.6\% | 212.9 | 11.4 | 5.1\% | 211.9 | 12.5 | 5.6\% | 210.8 | 13.5 | 6.0\% | 209.8 | 14.6 | 6.5\% | 208.8 | 15.6 | 7.0\% |
| ME3 | 385613 385613 | 2002 | Below Normal | September | Used in Summary Table Analysis | 161.4 | 151.7 1188 | 9.7 78 | ${ }_{6.0 \%}^{6.0}$ | 150.7 1180 | 10.7 8. | ${ }_{6}^{6.6 \%}$ | 149.7 1172 | ${ }_{19.7}^{11.7}$ | 7.2\% | 148.8 1164 | 12.6 | 7.8\% | 147.8 1156 | 13.6 | 8.4\% | 146.8 | 14.6 | 9.0\% |
| ME 3 ME3 | 385613 385613 | 2003 2003 | Wet Wet | October November | Used in Summary Table Analysis Used in Summary Table Analysis | 126.5 893.0 | 118.8 886.9 | 7.8 6.1 | 6.1\% | 118.0 886.3 | 8.5 6.8 | - $\begin{aligned} & 6.8 \% \\ & 0.8 \%\end{aligned}$ | 117.2 885.6 | 9.3 7.4 | $7.4 \%$ $0.8 \%$ | 116.4 885.0 | 10.1 8.0 | $8.0 \%$ $0.9 \%$ | 115.6 884.4 | 10.9 8.6 | 8.6\% $1.0 \%$ | 114.9 883.8 | 11.7 9.2 | 9.2\% 1.0\% |
| ME3 | 385613 | 2003 | Wet | December | - | 56,599.0 | 56,553.2 | 5.8 | 0.0\% | 56,553.2 | 5.8 | 0.0\% | 56,553.2 | 5.8 | 0.0\% | 56,55.1 | 6.9 | 0.0\% | 56,552.1 | 6.9 | 0.0\% | 56,550.9 | 8.1 | 0.0\% |
| ME3 | 385613 | 2003 | Wet | January |  | 31,476.9 | 31,471.1 | 5.8 | 0.0\% | 31,471.1 | 5.8 | 0.0\% | 31,471.1 | 5.8 | 0.0\% | 31,469.9 | 6.9 | 0.0\% | 31,469.9 | 6.9 | 0.0\% | 31,468.8 | 8.1 | 0.0\% |
| мез | 385613 | 2003 | Wet | February | -- | 20,325.2 | 20,320.6 | 4.6 | 0.0\% | 20,319.4 | 5.8 | 0.0\% | 20,319.4 | 5.8 | 0.0\% | 20,319.4 | 5.8 | 0.0\% | 20,318.3 | 6.9 | 0.0\% | 20,318.3 | 6.9 | 0.0\% |
| ME3 | 385613 | 2003 | Wet | March | - | 23,989.6 | 23,986.1 | 3.5 | 0.0\% | 23,985.0 | 4.6 | 0.0\% | 23,985.0 | 4.6 | 0.0\% | 23,983.8 | 5.8 | 0.0\% | 23,983.8 | 5.8 58 | 0.0\% | 23,983.8 | 5.8 | 0.0\% |
| ME3 | 385613 | 2003 | Wet | April | - | 42,805.6 | 42,800.9 | 4.6 | 0.0\% | 42,800.9 | 4.6 | 0.0\% | 42,799.8 | 5.8 | 0.0\% | 42,799.8 | 5.8 | 0.0\% | 42,799.8 | 5.8 | 0.0\% | 42,798.6 | 6.9 | 0.0\% |
| ME3 ${ }^{\text {a }}$ | 385613 | 2003 | Wet | May | - | 12,208.3 | 12,200.2 | 8.1 | 0.1\% | 12,199.1 | 9.3 | 0.1\% | 12,197.9 | 10.4 | ${ }^{0.1 \%}$ | $12,197.9$ 31481 1 | 10.4 | 0.1\% | 12,196.8 | 11.6 15.4 | 0.1\% | 12,195.6 | 12.7 | ${ }_{0}^{0.1 \%}$ |
| ME3 ${ }_{\text {M }}$ | 385613 | 2003 | Wet | June | - | 3,162.5 | 3,151.4 | 11.1 | 0.4\% | 3,150.3 | 12.2 | 0.4\% | 3,149.3 | 13.2 | 0.4\% | 3,148.1 | 14.4 | 0.5\% | 3,147.1 | 15.4 | 0.5\% | 3,146.1 | 16.4 | 0.5\% |
| ME3 ${ }_{\text {ME3 }}$ | 385613 | 2003 | Wet | July | - | 1,470.0 | 1,458.9 | 11.1 | 0.8\% | $1,457.8$ 74.8 | 12.3 | ${ }^{0.8 \%}$ | 1,455.6 | 13.4 | 0.9\% | ${ }^{1,455.6}$ | 14.5 | ${ }^{1.0 \%}$ | 1,454.4 | 15.6 | ${ }^{1.1 \%}$ | 1,453.2 | 16.8 | ${ }_{\text {1.1\% }}^{1.1}$ |
| ME ME 3 | 385613 385613 | ${ }_{2003}^{2003}$ | Wet Wet | $\xrightarrow{\text { August }}$ September | Used in Summary Table Analysis | 756.5 454.8 | 745.8 445.8 | 10.7 9.0 | 1.4.0\% 2.0\% | 744.8 444.9 | 11.7 9.8 | 1.5\% ${ }^{1.2 \%}$ | 743.7 444.0 | 12.8 10.8 | $1.7 \%$ $2.4 \%$ | 742.6 443.1 | 13.9 11.6 | 1.8\%\% | 741.6 442.2 | 15.0 12.5 | ${ }^{2.88 \%}$ | 740.5 441.3 | 16.1 13.4 | ${ }_{\text {2.1. }}^{\text {3.\% }}$ |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan



| Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) |
| :---: | :---: | :---: | :---: |
| 22,563.7 | 4.6 | 0.0\% | 22,563.7 |
| 21,082.2 | 4.6 | 0.0\% | 21,082.2 |
| 10,083.8 | 8.7 | 0.1\% | 10,083.0 |
| 15,555.6 | 10.4 | 0.1\% | 15,554.4 |
| 3,143.8 | 13.4 | 0.4\% | 3,142.4 |
| 1,247.7 | 12.5 | 1.0\% | 1,246.5 |
| 654.2 | 11.8 | 1.8\% | 653.1 |
| 377.3 | 10.3 | 2.7\% | 376.3 |
| 6,076.2 | 8.6 | 0.1\% | 6,075.2 |
| 8,265.9 | 6.7 | 0.1\% | 8,265.2 |
| 12,313.7 | 5.8 | 0.0\% | 12,313.7 |
| 36,112.3 | 5.8 | 0.0\% | 36,12.3 |
| 27,207.2 | 4.6 | 0.0\% | 27,207.2 |
| 28,804.4 | 4.6 | 0.0\% | 28,804.4 |
| 39,957.2 | 4.6 | 0.0\% | 39,957.2 |
| 20,218.8 | 9.3 | 0.0\% | 20,218.8 |
| 9,305.0 | 13.1 | 0.1\% | 9,303.7 |
| 1,440.3 | 11.5 | 0.8\% | 1,439.1 |
| 554.7 | 10.5 | 1.9\% | 553.6 |
| 637.5 | 9.8 | 1.5\% | ${ }^{636.6}$ |
| 9,602.5 | 7.3 | 0.1\% | 9,601.9 |
| 14,187.5 | 5.8 | 0.0\% | 14,187.5 |
| 33,586.8 | 5.8 | 0.0\% | 33,586.8 |
| 14,130.8 | 4.6 | 0.0\% | 14,130.8 |
| 20,743.1 | 4.6 | 0.0\% | 20,743.1 |
| 51,931.7 | 3.5 | 0.0\% | 51,930.6 |
| 24,770.8 | 3.5 | 0.0\% | 24,70.8 |
| 11,362.2 | 8.3 | 0.1\% | 11,361.2 |
| 7,031.8 | 12.7 | 0.2\% | 7,030.6 |
| 1,814.6 | 12.4 | 0.7\% | 1,813.3 |
| 763.4 | 10.4 | 1.3\% | 762.4 |
| 421.2 | 9.3 | 2.2\% | 420.3 |
| 4,522.0 | 7.4 | 0.2\% | 4,521.3 |
| 8,207.6 | 5.9 | 0.1\% | 8,207.1 |
| 5,167.4 | 5.1 | 0.1\% | 5,166.9 |
| 20,040.5 | 4.6 | 0.0\% | 20,040.5 |
| 18,188.7 | 4.6 | 0.0\% | 18,188.7 |
| 45,339.1 | 3.5 | 0.0\% | 45,38.0 |
| 26,825.2 | 3.5 | 0.0\% | 26,825.2 |
| 7,466.6 | 8.4 | 0.1\% | 7,465.6 |
| 5,491.0 | 13.0 | 0.2\% | 5,489.7 |
| 2,204.5 | 11.9 | 0.5\% | 2,203.2 |
| 376.7 | 9.5 | 2.5\% | 375.8 |
| 238.0 | 8.3 | 3.4\% | 237.2 |
| 1,896.8 | 7.2 | 0.4\% | 1,896.1 |
| 14,635.4 | 5.8 | 0.0\% | 14,634.3 |
| 59,886.6 | 5.8 | 0.0\% | 59,85, 4 |
| 22,166.7 | 4.6 | 0.0\% | 22,16.7 |
| 8,827.0 | 4.2 | 0.0\% | 8,826.5 |
| 10,304,6 | 4.1 | 0.0\% | 10,304.2 |
| 8,276.3 | 8.0 | 0.1\% | 8,275.5 |
| 4,412.5 | 9.7 | 0.2\% | 4,411.6 |
| 2,095.7 | 11.6 | 0.5\% | 2,094.6 |
| 705.6 | 11.0 | 1.5\% | 704.5 |
| 327.7 | 10.2 | 3.0\% | 326.7 |
| 4,763.3 | 10.5 | 0.2\% | 4,762.3 |
| 273.1 | 7.5 | 2.7\% | 272.4 |
| 1,525.6 | 5.9 | 0.4\% | 1,524.9 |
| 1,580.7 | 5.3 | 0.3\% | 1,580.2 |
| 2,810.0 | 4.7 | 0.2\% | 2,809.5 |
| 15,729.2 | 3.5 | 0.0\% | 15,728.0 |
| 31,456.0 | 3.5 | 0.0\% | 31,454,9 |
| 12,972.2 | 8.1 | 0.1\% | 12,971.1 |

Difference Percent $\frac{\text { Difference }}{0.0 \%}$


Difference Percent
Flow
Difference Flow (cts)



|  |
| :---: |
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|  |  |
|  |  |

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 Flow
Difference
Perce Percent
Difference


Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
EER River Valley Groundwater sustainability Plan
Humboldt County Grondwate Sur

|  |  | Water Year Water Year Type |  | Month |  | FlowWithoutPumping Pumping(cfs) | Existing Conditions |  |  | 10\% Pumping Increr |  |  | 20\% Pumping Incre |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water <br> Reach) |  |  | Note | Flow (cfs) |  | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent <br> Difference | Flow (cfs) |  | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME3 | 385613 | 2020 | Dry |  | October | Used in Summary Table Analysis | 353.7 | 346.7 | 7.0 | 2.0\% | 346.0 | 7.7 | 2.2\% | 5.3 | 8.4 | 2.4\% | 344.6 | 9.1 | 2.6\% | 343.9 | 9.8 | 2.8\% | 343.2 | 10.5 | 3.0\% |
| ME3 | 385613 | 2020 | Dry | November | Used in Summary Table Analysis | 315.0 | 309.6 | 5.4 | 1.7\% | 309.1 | 5.9 | 1.9\% | 308.5 | 6.5 | 2.1\% | 308.0 | 7.0 | 2.2\% | 307.4 | 7.6 | 2.4\% | 306.9 | 8.1 | 2.6\% |
| me3 | 385613 | 2020 | Dry | December - |  | 13,203.7 | 13,199.1 | 4.6 | 0.0\% | 13,197.9 | 5.8 | 0.0\% | 13,197.9 | 5.8 | 0.0\% | 13,197.9 | 5.8 | 0.0\% | 13,196.8 | 6.9 | 0.1\% | 13,196.8 | 6.9 | 0.1\% |
| ME3 | 385613 | 2020 | Dry | January | - | 22,266.2 | 22,261.6 | 4.6 | 0.0\% | 22,261.6 | 4.6 | 0.0\% | 22,260.4 | 5.8 | 0.0\% | 22,260.4 | 5.8 | 0.0\% | 22,259.3 | 6.9 | 0.0\% | 22,259.3 | 6.9 | 0.0\% |
| ME3 | 385613 | 2020 | Dry | February | - | 7,411.7 | 7,407.6 | 4.1 | 0.1\% | 7,407.2 | 4.5 | 0.1\% | 7,406.8 | 4.9 | 0.1\% | 7,406.4 | 5.3 | 0.1\% | 7,405.9 | 5.8 | 0.1\% | 7,405.6 | 6.1 | 0.1\% |
| ME3 | 385613 | 2020 | Dry | March | - | 7,233.2 | 7,228.4 | 3.8 | 0.1\% | 7,228.0 | 4.2 | 0.1\% | 7,227.5 | 4.6 | 0.1\% | 7,227.2 | 5.0 | 0.1\% | 7,226.9 | 5.3 | 0.1\% | 7,226.4 | 5.8 | 0.1\% |
| ME3 | 385613 | 2020 | Dry | April | - | 5,469.8 | 5,461.3 | 8.4 | 0.2\% | 5,460.4 | 9.4 | 0.2\% | 5,459.6 | 10.2 | 0.2\% | 5,458.8 | 11.0 | 0.2\% | 5,457.9 | 11.9 | 0.2\% | 5,457.1 | 12.7 | 0.2\% |
| me3 | 385613 | 2020 | Dry | May | - | 7,360.1 | 7,350.0 | 10.1 | 0.1\% | 7,349.0 | 11.1 | 0.2\% | 7,347.9 | 12.2 | 0.2\% | 7,346.9 | 13.2 | 0.2\% | 7,345.9 | 14.1 | 0.2\% | 7,344.9 | 15.2 | 0.2\% |
| ME3 | 385613 | 2020 | Dry | June | - | 2,103.9 | 2,090.6 | 13.3 | 0.6\% | 2,089.2 | 14.7 | 0.7\% | 2,088.0 | 16.0 | 0.8\% | 2,086.6 | 17.4 | 0.8\% | 2,085.3 | 18.6 | 0.9\% | 2,084.0 | 19.9 | 0.9\% |
| ME3 | 385613 | 2020 | Dry | July | - | 794.2 | 781.4 | 12.8 | 1.6\% | 780.1 | 14.1 | 1.8\% | 778.8 | 15.3 | 1.9\% | 777.6 | 16.6 | 2.1\% | 776.3 | 17.9 | 2.3\% | 775.0 | 19.2 | 2.4\% |
| me3 | 385613 | 2020 | Dry | August | -- | 396.8 | 384.3 | 12.5 | 3.1\% | 383.1 | 13.7 | 3.5\% | 381.9 | 14.9 | 3.8\% | 380.6 | 16.2 | 4.1\% | 379.4 | 17.4 | 4.4\% | 378.1 | 18.7 | 4.7\% |
| ME3 | 385613 | 2020 | Dry | September | Used in Summary Table Analysis | 246.4 | 235.4 | 10.9 | 4.4\% | 234.3 | 12.0 | 4.9\% | 233.2 | 13.1 | 5.3\% | 232.1 | 14.2 | 5.8\% | 231.0 | 15.3 | 6.2\% | 229.9 | 16.4 | 6.7\% |
| me4 | 375515 | 2000 | Above Normal | October | Used in Summary Table Analysis | 814.1 | 806.6 | 7.5 | 0.9\% | 805.9 | 8.3 | 1.0\% | 805.1 | 9.0 | 1.1\% | 804.4 | 9.8 | 1.2\% | 803.6 | 10.5 | 1.3\% | 802.9 | 11.3 | 1.4\% |
| ME4 | 375515 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,079.9 | 12,074.1 | 5.8 | 0.0\% | 12,072.9 | 6.9 | 0.1\% | 12,072.9 | 6.9 | 0.1\% | 12,071.8 | 8.1 | 0.1\% | 12,071.8 | 8.1 | 0.1\% | 12,070.6 | 9.3 | 0.1\% |
| ME4 | 375515 | 2000 | Above Normal | December - |  | 10,790.3 | 10,785.3 | 5.0 | 0.0\% | 10,784.7 | 5.6 | 0.1\% | 10,784.3 | 6.0 | 0.1\% | 10,783.7 | 6.6 | 0.1\% | 10,783.2 | 7.1 | 0.1\% | 10,782.8 | 7.5 | 0.1\% |
| me4 | 375515 | 2000 | Above Normal | January | -- | 28,510.4 | 28,505.8 | 4.6 | 0.0\% | 28,505.8 | 4.6 | 0.0\% | 28,504.6 | 5.8 | 0.0\% | 28,504.6 | 5.8 | 0.0\% | 28,503.5 | 6.9 | 0.0\% | 28,503.5 | 6.9 | 0.0\% |
| me4 | 375515 | 2000 | Above Normal | February | - | 36,998.8 | 36,994.2 | 4.6 | 0.0\% | 36,994.2 | 4.6 | 0.0\% | 36,994.2 | 4.6 | 0.0\% | 36,993.1 | 5.8 | 0.0\% | 36,993.1 | 5.8 | 0.0\% | 36,993.1 | 5.8 | 0.0\% |
| me4 | 375515 | 2000 | Above Normal | March | -- | 18,303.2 | 18,299.8 | 3.5 | 0.0\% | 18,298.6 | 4.6 | 0.0\% | 18,298.6 | 4.6 | 0.0\% | 18,298.6 | 4.6 | 0.0\% | 18,297.5 | 5.8 | 0.0\% | 18,297.5 | 5.8 | 0.0\% |
| me4 | 375515 | 2000 | Above Normal | April | - | 12,304.4 | 12,300.9 | 3.5 | 0.0\% | 12,299.8 | 4.6 | 0.0\% | 12,299.8 | 4.6 | 0.0\% | 12,299.8 | 4.6 | 0.0\% | 12,298.6 | 5.8 | 0.0\% | 12,298.6 | 5.8 | 0.0\% |
| ME4 | 375515 | 2000 | Above Normal | May | -- | 7,086.5 | 7,078.1 | 8.3 | 0.1\% | 7,077.2 | 9.3 | 0.1\% | 7,076.4 | 10.1 | 0.1\% | 7,075.6 | 10.9 | 0.2\% | 7,074.7 | 11.8 | 0.2\% | 7,073.8 | 12.6 | 0.2\% |
| me4 | 375515 | 2000 | Above Normal | June | - | 2,608.2 | 2,595.7 | 12.5 | 0.5\% | 2,594.4 | 13.8 | 0.5\% | 2,593.2 | 15.0 | 0.6\% | 2,591.9 | 16.3 | 0.6\% | 2,590.6 | 17.6 | 0.7\% | 2,589.4 | 18.9 | 0.7\% |
| me4 | 375515 | 2000 | Above Normal | July | - | 990.3 | 979.1 | 11.2 | 1.1\% | 978.0 | 12.3 | 1.2\% | 976.9 | 13.4 | 1.4\% | 975.8 | 14.5 | 1.5\% | 974.7 | 15.7 | 1.6\% | 973.5 | 16.8 | 1.7\% |
| me4 | 375515 | 2000 | Above Normal | August | -- | 520.3 | 509.9 | 10.4 | 2.0\% | 508.9 | 11.5 | 2.2\% | 507.8 | 12.5 | 2.4\% | 506.8 | 13.5 | 2.6\% | 505.7 | 14.6 | 2.8\% | 504.7 | 15.6 | 3.0\% |
| me4 | 375515 | 2000 | Above Normal | September | Used in Summary Table Analysis | 294.0 | 284.9 | 9.1 | 3.1\% | 284.0 | 10.0 | 3.4\% | 283.1 | 10.9 | 3.7\% | 288.2 | 11.8 | 4.0\% | 281.3 | 12.7 | 4.3\% | 280.3 | 13.7 | 4.6\% |
| ME4 | 375515 | 2001 | Dry | October | Used in Summary Table Analysis | 3,806.6 | 3,799.2 | 7.4 | 0.2\% | 3,798.4 | 8.2 | 0.2\% | 3,797.7 | 8.9 | 0.2\% | 3,796.9 | 9.7 | 0.3\% | 3,796.2 | 10.4 | 0.3\% | 3,795.5 | 11.1 | 0.3\% |
| ME4 | 375515 | 2001 | Dry | November | Used in Summary Table Analysis | 6,110.1 | 6,104.2 | 5.9 | 0.1\% | 6,103.5 | 6.6 | 0.1\% | 6,102.9 | 7.2 | 0.1\% | 6,102.3 | 7.8 | 0.1\% | 6,101.7 | 8.3 | 0.1\% | 6,101.2 | 8.9 | 0.1\% |
| me4 | 375515 | 2001 | Dry | December - |  | 8,824.4 | 8,819.2 | 5.2 | 0.1\% | 8,818.8 | 5.7 | 0.1\% | 8,818,2 | 6.3 | 0.1\% | 8,817.7 | 6.7 | 0.1\% | 8,817.1 | 7.3 | 0.1\% | 8,816.7 | 7.8 | 0.1\% |
| ME4 | 375515 | 2001 | Dry | January | - | 12,763.9 | 12,759.3 | 4.6 | 0.0\% | 12,758.1 | 5.8 | 0.0\% | 12,758.1 | 5.8 | 0.0\% | 12,756.9 | 6.9 | 0.1\% | 12,756.9 | 6.9 | 0.1\% | 12,756.9 | 6.9 | 0.1\% |
| me4 | 375515 | 2001 | Dry | February |  | 17,454.9 | 17,450.2 | 4.6 | 0.0\% | 17,450.2 | 4.6 | 0.0\% | 17,499.1 | 5.8 | 0.0\% | 17,449.1 | 5.8 | 0.0\% | 17,499.1 | 5.8 | 0.0\% | 17,447.9 | 6.9 | 0.0\% |
| ME4 | 375515 | 2001 | Dry | March | -- | 12,288.2 | 12,284.7 | 3.5 | 0.0\% | 12,283.6 | 4.6 | 0.0\% | 12,283.6 | 4.6 | 0.0\% | 12,283.6 | 4.6 | 0.0\% | 12,282.4 | 5.8 | 0.0\% | 12,282.4 | 5.8 | 0.0\% |
| ME4 | 375515 | 2001 | Dry | April |  | 10,962.7 | 10,954.1 | 8.7 | 0.1\% | 10,953.2 | 9.5 | 0.1\% | 10,952.3 | 10.4 | 0.1\% | 10,951.5 | 11.2 | 0.1\% | 10,950.6 | 12.2 | 0.1\% | 10,949.8 | 13.0 | 0.1\% |
| me4 | 375515 | 2001 | Dry | May | - | 2,637.0 | 2,626.7 | 10.3 | 0.4\% | 2,625.8 | 11.2 | 0.4\% | 2,624.8 | 12.3 | 0.5\% | 2,623.7 | 13.3 | 0.5\% | 2,622.7 | 14.4 | 0.5\% | 2,621.6 | 15.4 | 0.6\% |
| ME4 | 375515 | 2001 | Dry | June | - | 2,642.4 | 2,628.5 | 13.9 | 0.5\% | 2,627.0 | 15.4 | 0.6\% | 2,625.6 | 16.8 | 0.6\% | 2,624.2 | 18.2 | 0.7\% | 2,622.8 | 19.6 | 0.7\% | 2,621.4 | 20.9 | 0.8\% |
| me4 | 375515 | 2001 | Dry | July | - | 718.2 | 705.4 | 12.8 | 1.8\% | 704.1 | 14.1 | 2.0\% | 702.8 | 15.4 | 2.1\% | 701.6 | 16.7 | 2.3\% | 700.3 | 18.0 | 2.5\% | 699.0 | 19.2 | 2.7\% |
| ME4 | 375515 | 2001 | Dry | August | -- | 171.6 | 159.2 | 12.4 | 7.2\% | 158.0 | 13.6 | 7.9\% | 156.8 | 14.9 | 8.7\% | 155.5 | 16.1 | 9.4\% | 154.3 | 17.3 | 10.1\% | 158.1 | 18.6 | 10.8\% |
| ME4 | 375515 | 2001 | Dry | September | Used in Summary Table Analysis | 94.4 | 83.5 | 10.9 | 11.5\% | 82.4 | 12.0 | 12.7\% | 81.3 | 13.1 | 13.9\% | 80.2 | 14.2 | 15.\% | 79.2 | 15.3 | 16.2\% | 78.1 | 16.4 | 17.3\% |
| ME4 | 375515 <br> 375515 | 2002 | Below Normal | October | Used in Summary Table Analysis | 264.0 12006 | 255.0 | 8.9 | 3.4\% | 254.1 11.9888 | ${ }^{9.8}$ | 3.7\% | ${ }^{255.2}$ | ${ }_{101}^{10.7}$ | 4.1\% | ${ }^{252.3}$ | ${ }_{19}^{11.7}$ | ${ }^{4.4 \%}$ | ${ }^{251.4}$ | 12.5 | 4.8\% | 250.5 11.965 | 13.4 | 5.1\% |
| ME4 | 375515 | 2002 | Below Normal | November | Used in Summary Table Analysis | 12,006.9 | 12,000.0 | 6.9 | 0.1\% | 11,998.8 | 8.1 | 0.1\% | 11,998.8 | 8.1 | 0.1\% | 11,997.7 | 9.3 | 0.1\% | ${ }^{11,997.7}$ | 9.3 | 0.1\% | 11,996.5 | 10.4 | 0.1\% |
| me4 | 375515 | 2002 | Below Normal | December - |  | 35,623.8 | 35,618.1 | 5.8 | 0.0\% | 35,616.9 | 6.9 | 0.0\% | 35,616.9 | 6.9 | 0.0\% | 35,615.7 | 8.1 | 0.0\% | 35,615.7 | 8.1 | 0.0\% | 35,614.6 | 9.3 | 0.0\% |
| ME4 | 375515 | 2002 | Below Normal | January | - | 30,840.3 | 30,834.5 | 5.8 | 0.0\% | 30,834.5 | 5.8 | 0.0\% | 30,833.3 | 6.9 | 0.0\% | 30,833.3 | 6.9 | 0.0\% | 30,832.2 | 8.1 | 0.0\% | 30,832.2 | 8.1 | 0.0\% |
| ME 4 | 375515 | 2002 | Below Normal | February |  | 24,655.1 | 24,650.5 | 4.6 | 0.0\% | 24,649.3 | 5.8 | 0.0\% | 24,649.3 | 5.8 | 0.0\% | 24,648.1 | ${ }^{6.9}$ | 0.0\% | 24,648.1 | 6.9 | 0.0\% | 24,647.0 | 8.1 | 0.0\% |
| ME4 | 375515 <br> 375515 | 2002 | Below Normal | March | - | ${ }_{\substack{17,761.6 \\ \\ 0,9183}}$ | 17,756.9 | 4.6 | 0.0\% | 17,756.9 | 4.6 | 0.0\% | 17,755.8 | 5.8 | 0.0\% | 17,755.8 | 5.8 | 0.0\% | 17,754.6 | 6.9 | 0.0\% | ${ }^{17,754.6}$ | 6.9 | ${ }^{\text {0.0\% }}$ |
| ME 4 ME4 den | 375515 375515 | 2002 2002 | Below Normal Below Normal | April May | $\cdots$ | 9,9918.3 $3,317.1$ | 9,909.7 $3,306.9$ | $\begin{gathered} 8.6 \\ 10.2 \end{gathered}$ | 0.1\% | 9,908.8 $3,305.9$ | $\begin{aligned} & 9.5 \\ & 11.2 \end{aligned}$ | 0.1\% | 9,908.0 $3,304.9$ | 10.3 12.3 | 0.1\% | 9,907.1 $3,303.8$ | 11.2 13.3 | 0.1\% | 9,906.1 $3,302.8$ a | 12.2 14.4 | 0.1\% | 9,905.3 $3,301.7$ | 13.0 15.4 | - |
| ME4 4 | 375515 | 2002 | Below Normal | June | -- | 853.0 | 841.4 | 11.5 | 1.3\% | 840.3 | 12.7 | 1.5\% | 839.2 | 13.8 | 1.6\% | 838.0 | 15.0 | 1.8\% | 836.9 | 16.1 | 1.9\% | ${ }_{835.7}$ | 17.2 | 2.0\% |
| ME4 | 375515 | 2002 | Below Normal | July | - | 361.4 | 350.0 | 11.5 | 3.2\% | 348.8 | 12.7 | 3.5\% | 347.7 | 13.8 | 3.8\% | 346.5 | 15.0 | 4.1\% | 345.3 | 16.1 | 4.5\% | 344.2 | 17.2 | 4.8\% |
| ME4 | 375515 | 2002 | Below Normal | August | -- | 225.9 | 215.2 | 10.7 | 4.7\% | 214.2 | 11.8 | 5.2\% | 213.1 | 12.8 | 5.7\% | 212.0 | 13.9 | 6.2\% | 21.9 | 15.0 | 6.6\% | 209.9 | 16.0 | 7.1\% |
| ME4 | 375515 | 2002 | Below Normal | September | Used in Summary Table Analysis | 162.9 | 152.8 | 10.0 | 6.1\% | 151.9 | 11.0 | 6.8\% | 150.8 | 12.0 | 7.4\% | 149.8 | 13.0 | 8.0\% | 148.8 | 14.0 | 8.6\% | 147.8 | 15.0 | 9.2\% |
| me4 | 375515 | 2003 | Wet | October | Used in Summary Table Analysis | 127.9 | 119.9 | 8.0 | 6.3\% | 119.1 | 8.8 | 6.9\% | 118.3 | 9.6 | 7.5\% | 117.5 | 10.5 | 8.2\% | 116.7 | 11.3 | 8.8\% | 115.9 | 12.1 | 9.4\% |
| ME4 | 375515 | 2003 | Wet | November | Used in Summary Table Analysis | 894.8 | 888.4 | 6.4 | 0.7\% | 887.8 | 7.0 | 0.8\% | 887.2 | 7.7 | 0.9\% | 886.5 | 8.3 | 0.9\% | 885.9 | 9.0 | 1.0\% | 885.2 | 9.6 | 1.1\% |
| me4 | 375515 | 2003 | Wet | December - |  | 56,679.4 | 56,673.6 | 5.8 | 0.0\% | 56,672.5 | 6.9 | 0.0\% | 56,672.5 | 6.9 | 0.0\% | 56,671.3 | 8.1 | 0.0\% | 56,671.3 | 8.1 | 0.0\% | 56,670.1 | 9.3 | 0.0\% |
| me4 | 375515 | 2003 | Wet | January | -- | 31,502.3 | 31,496.5 | 5.8 | 0.0\% | 31,496.5 | 5.8 | 0.0\% | 31,495.4 | 6.9 | 0.0\% | 31,495.4 | 6.9 | 0.0\% | 31,495.4 | 6.9 | 0.0\% | 31,494.2 | 8.1 | 0.0\% |
| ME4 | 375515 | 2003 | Wet | February |  | 20,338.0 | 20,333.3 | 4.6 | 0.0\% | 20,333.3 | 4.6 | 0.0\% | 20,333.3 | 4.6 | 0.0\% | 20,332.2 | 5.8 | 0.0\% | 20,332.2 | 5.8 | 0.0\% |  |  |  |
| me4 | 375515 | 2003 | Wet | March | - | 24,010.4 | 24,005.8 | 4.6 | 0.0\% | 24,005.8 | 4.6 | 0.0\% | 24,004.6 | 5.8 | 0.0\% | 24,004.6 | 5.8 | 0.0\% | 24,004.6 | 5.8 | 0.0\% | 24,003.5 | 6.9 | 0.0\% |
| ME4 | 375515 | 2003 | Wet | April | - | 42,855.3 | ${ }^{42,850.7}$ | 4.6 | 0.0\% | 42,850.7 | 4.6 | 0.0\% | $42,849.5$ 12,505 | 5.8 | 0.0\% | 42,849.5 | ${ }^{5118}$ | 0.0\% | 42,849.5 | 5.8 | ${ }^{0.0 \%}$ | $42,848.4$ <br> 12,2025 <br> 108 | 6.9 139 | 0.0\% |
| ME4 | 375515 | 2003 | Wet | May | - | 12,216.4 | 12,207.2 | 9.3 | 0.1\% | 12,206.0 | 10.4 | 0.1\% | 12,206.0 | 10.4 | 0.1\% | 12,204.9 | 11.6 | 0.1\% | 12,203.7 | 12.7 | 0.1\% | 12,202.5 | 13.9 | 0.1\% |
| ME 4 | 375515 | 2003 | Wet | June | - | 3,164.6 | 3,153.4 | 11.2 | 0.4\% | ${ }^{3,152.3}$ | 12.3 | ${ }^{0.4 \%}$ | 3,151.2 | 13.4 | 0.4\% | 3,150.1 | 14.5 | 0.5\% | 3,149.0 | 15.6 | 0.5\% | 3,147.9 | 16.7 | 0.5\% |
| ME 4 ME 4 | 375515 375515 | 2003 2003 | Wet Wet | July | -- | $1,472.2$ 758.4 | $1,460.8$ 747.5 | 11.5 11.0 | 0.8\% | $1,459.6$ 746.4 | 12.6 12.0 | 0.9\% | $1,458.4$ 745.3 | 13.8 13.1 | 0.9\% | $1,457.3$ 744.2 | 14.9 14.3 | 1.0\% | $1,456.1$ 743.1 | 16.1 15.4 | 1.1.\% | $1,455.0$ 742.0 | 17.2 16.5 | 1.2\% |
| me4 | 375515 | 2003 | Wet | September | Used in Summary Table Analysis | 456.5 | 447.3 | 9.2 | 2.0\% | 446.4 | 10.2 | 2.2\% | 445.4 | 11.1 | 2.4\% | 444.5 | 12.0 | 2.6\% | 443.6 | 12.9 | 2.8\% | 442.6 | 13.9 | 3.0\% |
| me4 | 375515 | 2004 | Wet | October | Used in Summary Table Analysis | 323.6 | 316.0 | 7.5 | 2.3\% | 315.3 | 8.3 | 2.6\% | 314.5 | 9.0 | 2.8\% | 313.8 | 9.8 | 3.0\% | 313.0 | 10.5 | 3.3\% | 312.3 | 11.3 | 3.5\% |
| me4 | 375515 | 2004 | Wet | November | Used in Summary Table Analysis | 5,788.8 | 5,782.9 | 5.9 | 0.1\% | 5,782.2 | 6.6 | 0.1\% | 5,781.6 | 7.2 | 0.1\% | 5,781.0 | 7.8 | 0.1\% | 5,780.4 | 8.3 | 0.1\% | 5,799.7 | 9.0 | 0.2\% |
| ME 4 | 375515 | 2004 | Wet | December |  | 36,247.7 | 36,241.9 | 5.8 | 0.0\% | 36,240.7 | ${ }^{6.9}$ | 0.0\% | 36,240.7 | ${ }_{6}^{6.9}$ | 0.0\% | 36,240.7 | 6.9 | 0.0\% | 36,239.6 | 8.1 | 0.0\% | ${ }^{36,239.6}$ | 8.1 | 0.0\% |
| ME4 | 375515 | 2004 | Wet | January |  | 31,430.6 | 31,425.9 | 4.6 | 0.0\% | 31,424.8 | 5.8 | 0.0\% | 31,424.8 | 5.8 | 0.0\% | 31,423.6 | 6.9 | 0.0\% | 31,423.6 | 6.9 | 0.0\% | 31,423.6 | 6.9 | 0.0\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flowwithout Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Increase |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference |
| ME 4 | 375515 | 2004 | Wet |  | February | -- | 38,194.4 | 38,189.8 | 4.6 | 0.0\% | 38,189.8 | 4.6 | 0.0\% | 38,189.8 | 4.6 | 0.0\% | 38,188.7 | 5.8 | 0.0\% | 38,188.7 | 5.8 | 0.0\% | 38,187.5 | 6.9 | 0.0\% |
| ME 4 | 375515 | 2004 | Wet | March | - | 16,516.2 | 16,512.7 | 3.5 | 0.0\% | 16,511.6 | 4.6 | 0.0\% | 16,511.6 | 4.6 | 0.0\% | 16,511.6 | 4.6 | 0.0\% | 16,510.4 | 5.8 | 0.0\% | 16,510.4 | 5.8 | 0.0\% |
| ME 4 | 375515 | 2004 | Wet | April | - | 9,444.8 | 9,441.0 | 3.8 | 0.0\% | 9,440.6 | 4.2 | 0.0\% | 9,440.2 | 4.6 | 0.0\% | 9,439.8 | 5.0 | 0.1\% | 9,439.4 | 5.4 | 0.1\% | 9,439.0 | 5.8 | 0.1\% |
| me 4 | 375515 | 2004 | Wet | May | - | 3,415.5 | 3,407.1 | 8.4 | 0.2\% | 3,406.1 | 9.4 | 0.3\% | 3,405.3 | 10.2 | 0.3\% | 3,404.4 | 11.1 | 0.3\% | 3,403.6 | 11.9 | 0.3\% | 3,402.8 | 12.7 | 0.4\% |
| ME4 | 375515 | 2004 | Wet | June | - | 691.0 | 680.4 | 10.6 | 1.5\% | 679.3 | 11.7 | 1.7\% | 678.2 | 12.8 | 1.8\% | 677.2 | 13.8 | 2.0\% | 676.1 | 14.9 | 2.2\% | 675.1 | 15.9 | 2.3\% |
| ME4 | 375515 | 2004 | Wet | July | - | 354.9 | 343.6 | 11.2 | 3.2\% | 342.5 | 12.3 | 3.5\% | 341.4 | 13.5 | 3.8\% | 340.3 | 14.6 | 4.1\% | 339.2 | 15.7 | 4.4\% | 338.0 | 16.8 | 4.7\% |
| ME 4 | 375515 | 2004 | Wet | August | -- | 224.1 | 213.6 | 10.5 | 4.7\% | 212.5 | 11.5 | 5.1\% | 211.5 | 12.6 | 5.6\% | 210.4 | 13.6 | 6.1\% | 209.4 | 14.7 | 6.5\% | 208.3 | 15.7 | 7.0\% |
| ME4 | 375515 | 2004 | Wet | September | Used in Summary Table Analysis | 161.3 | 151.4 | 9.8 | 6.1\% | 150.5 | 10.8 | 6.7\% | 149.5 | 11.8 | 7.3\% | 148.5 | 12.8 | 7.9\% | 147.5 | 13.8 | 8.6\% | 146.5 | 14.8 | 9.2\% |
| me 4 | 375515 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,664.0 | 7,656.4 | 7.6 | 0.1\% | 7,655.6 | 8.4 | 0.1\% | 7,654.9 | 9.1 | 0.1\% | 7,654.1 | 10.0 | 0.1\% | 7,653.2 | 10.8 | 0.1\% | 7,652.5 | 11.5 | 0.1\% |
| ME4 | 375515 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,254.6 | 2,248.6 | 6.0 | 0.3\% | 2,248.0 | 6.6 | 0.3\% | 2,247.5 | 7.2 | 0.3\% | 2,246.9 | 7.8 | 0.3\% | 2,246.2 | 8.4 | 0.4\% | 2,245.6 | 9.0 | 0.4\% |
| me 4 | 375515 | 2005 | Above Normal | December |  | 20,974.5 | 20,968.8 | 5.8 | 0.0\% | 20,968.8 | 5.8 | 0.0\% | 20,967.6 | 6.9 | 0.0\% | 20,967.6 | 6.9 | 0.0\% | 20,966.4 | 8.1 | 0.0\% | 20,966.4 | 8.1 | 0.0\% |
| ME 4 | 375515 | 2005 | Above Normal | January | -- | 22,343.8 | 22,339.1 | 4.6 | 0.0\% | 22,338.0 | 5.8 | 0.0\% | 22,338.0 | 5.8 | 0.0\% | 22,338.0 | 5.8 | 0.0\% | 22,336.8 | 6.9 | 0.0\% | 22,336.8 | 6.9 | 0.0\% |
| ME4 | 375515 | 2005 | Above Normal | February | -- | 14,004.6 | 14,000.0 | 4.6 | 0.0\% | 14,000.0 | 4.6 | 0.0\% | 13,998.8 | 5.8 | 0.0\% | 13,998.8 | 5.8 | 0.0\% | 13,998.8 | 5.8 | 0.0\% | 13,997.7 | 6.9 | 0.0\% |
| me 4 | 375515 | 2005 | Above Normal | March | -- | 28,535.9 | 28,532.4 | 3.5 | 0.0\% | 28,531.3 | 4.6 | 0.0\% | 28,531.3 | 4.6 | 0.0\% | 28,531.3 | 4.6 | 0.0\% | 28,530.1 | 5.8 | 0.0\% | 28,530.1 | 5.8 | 0.0\% |
| me 4 | 375515 | 2005 | Above Normal | April | - | 21,424.8 | 21,421.3 | 3.5 | 0.0\% | 21,420.1 | 4.6 | 0.0\% | 21,420.1 | 4.6 | 0.0\% | 21,420.1 | 4.6 | 0.0\% | 21,419.0 | 5.8 | 0.0\% | 21,419.0 | 5.8 | 0.0\% |
| me 4 | 375515 | 2005 | Above Normal | May | - | 19,545.1 | 19,537.0 | 8.1 | 0.0\% | 19,535.9 | 9.3 | 0.0\% | 19,534.7 | 10.4 | 0.1\% | 19,534.7 | 10.4 | 0.1\% | 19,533.6 | 11.6 | 0.1\% | 19,532.4 | 12.7 | 0.1\% |
| ME 4 | 375515 | 2005 | Above Normal | June | - | 15,842.6 | 15,829.9 | 12.7 | 0.1\% | 15,828.7 | 13.9 | 0.1\% | 15,826.4 | 16.2 | 0.1\% | 15,825.2 | 17.4 | 0.1\% | 15,824.1 | 18.5 | 0.1\% | 15,822.9 | 19.7 | 0.1\% |
| ME4 | 375515 | 2005 | Above Normal | July | - | 2,863.7 | 2,852.0 | 11.7 | 0.4\% | 2,850.8 | 12.8 | 0.4\% | 2,849.7 | 14.0 | 0.5\% | 2,848.5 | 15.2 | 0.5\% | 2,847.3 | 16.3 | 0.6\% | 2,846.2 | 17.5 | 0.6\% |
| me 4 | 375515 | 2005 | Above Normal | August | -- | 981.1 | 970.7 | 10.5 | 1.1\% | 969.6 | 11.5 | 1.2\% | 968.6 | 12.6 | 1.3\% | 967.5 | 13.6 | 1.4\% | 96.5 | 14.6 | 1.5\% | 965.5 | 15.7 | 1.6\% |
| ME4 | 375515 | 2005 | Above Normal | September | Used in Summary Table Analysis | 522.8 | 513.7 | 9.1 | 1.7\% | 512.8 | 10.0 | 1.9\% | 511.9 | 10.9 | 2.1\% | 511.0 | 11.8 | 2.3\% | 510.1 | 12.8 | 2.4\% | 509.2 | 13.7 | 2.6\% |
| me 4 | 375515 | 2006 | Wet | October | Used in Summary Table Analysis | 632.4 | 625.2 | 7.3 | 1.2\% | 624.4 | 8.0 | 1.3\% | 623.7 | 8.7 | 1.4\% | 623.0 | 9.5 | 1.5\% | 622.2 | 10.2 | 1.6\% | 621.5 | 10.9 | 1.7\% |
| ME 4 | 375515 | 2006 | Wet | November | Used in Summary Table Analysis | 9,281.9 | 9,276.3 | 5.7 | 0.1\% | 9,275.7 | 6.3 | 0.1\% | 9,275.1 | 6.8 | 0.1\% | 9,274.5 | 7.4 | 0.1\% | 9,274.0 | 8.0 | 0.1\% | 9,273.4 | 8.6 | 0.1\% |
| ME4 | 375515 | 2006 | Wet | December | -- | 43,419.0 | 43,414.4 | 4.6 | 0.0\% | 43,413.2 | 5.8 | 0.0\% | 43,413.2 | 5.8 | 0.0\% | 43,413.2 | 5.8 | 0.0\% | 43,412.0 | 6.9 | 0.0\% | 43,412.0 | 6.9 | 0.0\% |
| ME 4 | 375515 | 2006 | Wet | January | -- | 46,226.9 | 46,222.2 | 4.6 | 0.0\% | 46,221.1 | 5.8 | 0.0\% | 46,221.1 | 5.8 | 0.0\% | 46,219.9 | 6.9 | 0.0\% | 46,219.9 | 6.9 | 0.0\% | 46,219.9 | 6.9 | 0.0\% |
| me4 | 375515 | 2006 | Wet | February | -- | 26,588.0 | 26,584.5 | 3.5 | 0.0\% | 26,583.3 | 4.6 | 0.0\% | 26,583.3 | 4.6 | 0.0\% | 26,582,2 | 5.8 | 0.0\% | 26,582.2 | 5.8 | 0.0\% | 26,582.2 | 5.8 | 0.0\% |
| ME4 4 | 37515 | 2006 | Wet | March | - | 47,101.9 | 47,098.4 | 3.5 | 0.0\% | 47,098.4 | 3.5 | 0.0\% | 47,097.2 | 4.6 | 0.0\% | 47,097.2 | 4.6 | 0.0\% | 47,096.1 | 5.8 | 0.0\% | 47,096.1 | 5.8 | 0.0\% |
| ME 4 | 375515 | 2006 | Wet | April | - | 30,406.3 | 30,402.8 | 3.5 | 0.0\% | 30,401.6 | 4.6 | 0.0\% | 30,401.6 | 4.6 | 0.0\% | 30,401.6 | 4.6 | 0.0\% | 30,400.5 | 5.8 | 0.0\% | 30,400.5 | 5.8 | 0.0\% |
| ME4 | 375515 | 2006 | Wet | May | - | 14,194.4 | 14,188.7 | 5.8 | 0.0\% | 14,188.7 | 5.8 | 0.0\% | 14,187.5 | 6.9 | 0.0\% | 14,187.5 | 6.9 | 0.0\% | 14,187.5 | 6.9 | 0.0\% | 14,186.3 | 8.1 | 0.1\% |
| ME 4 | 375515 | 2006 | Wet | June | - | 3,545.8 | 3,535.2 | 10.6 | 0.3\% | 3,534.1 | 11.7 | 0.3\% | 3,533.1 | 12.7 | 0.4\% | 3,532.1 | 13.8 | 0.4\% | 3,531.0 | 14.8 | 0.4\% | 3,530.0 | 15.9 | 0.4\% |
| me 4 | 375515 | 2006 | Wet | July | - | 1,277.0 | 1,265.9 | 11.1 | 0.9\% | 1,264.7 | 12.3 | 1.0\% | 1,263.5 | 13.4 | 1.1\% | 1,262.5 | 14.5 | 1.1\% | 1,261.3 | 15.6 | 1.2\% | 1,260.3 | 16.7 | 1.3\% |
| ME4 | 375515 | 2006 | Wet | August | -- | 663.2 | 652.5 | 10.7 | 1.6\% | 651.4 | 11.7 | 1.8\% | 650.4 | 12.8 | 1.9\% | 649.3 | 13.9 | 2.1\% | 648.2 | 15.0 | 2.3\% | 647.1 | 16.1 | 2.4\% |
| me 4 | 375515 | 2006 | Wet | September | Used in Summary Table Analysis | 424.4 | 415.2 | 9.2 | 2.2\% | 414.2 | 10.2 | 2.4\% | 413.3 | 11.1 | 2.6\% | 412.4 | 12.0 | 2.8\% | 411.5 | 12.9 | 3.0\% | 410.5 | 13.9 | 3.3\% |
| ME4 4 | 375515 | 2007 | Above Normal | October | Used in Summary Table Analysis | 273.0 | 265.6 | 7.4 | 2.7\% | 264.9 | 8.1 | 3.0\% | 264.2 | 8.9 | 3.3\% | 263.4 | 9.6 | 3.5\% | 262.7 | 10.3 | 3.8\% | 261.9 | 11.1 | 4.1\% |
| ME 4 | 375515 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,645.6 | $8,639.7$ | 5.9 | 0.1\% | $8,639.1$ | 6.5 | 0.1\% | 8,638.5 | 7.1 | 0.1\% | 8,637.8 | 7.8 | 0.1\% | 8,637.3 | 8.3 | 0.1\% | 8,636.7 | 8.9 | 0.1\% |
| me4 | 375515 | 2007 | Above Normal | December |  | 20,368.1 | 20,362.3 | 5.8 | 0.0\% | 20,362.3 | 5.8 | 0.0\% | 20,361.1 | 6.9 | 0.0\% | 20,361.1 | 6.9 | 0.0\% | 20,360.0 | 8.1 | 0.0\% | 20,360.0 | 8.1 | 0.0\% |
| ME4 | 375515 | 2007 | Above Normal | January | -- | 10,240.3 | 10,235.6 | 4.6 | 0.0\% | 10,235.2 | 5.1 | 0.0\% | 10,234.7 | 5.6 | 0.1\% | 10,234.3 | 6.0 | 0.1\% | 10,233.8 | 6.5 | 0.1\% | 10,233.2 | 7.1 | 0.1\% |
| ME 4 | 375515 | 2007 | Above Normal | February | -- | 30,523.1 | 30,599.7 | 3.5 | 0.0\% | 30,518.5 | 4.6 | 0.0\% | 30,518.5 | 4.6 | 0.0\% | 30,517.4 | 5.8 | 0.0\% | 30,517.4 | 5.8 | 0.0\% | 30,517.4 | 5.8 | 0.0\% |
| ME4 4 | 375515 | 2007 | Above Normal | March | -- | 13,093.8 | 13,089.1 | 4.6 | 0.0\% | 13,089.1 | 4.6 | 0.0\% | 13,089.1 | 4.6 | 0.0\% | 13,088.0 | 5.8 | 0.0\% | 13,088.0 | 5.8 | 0.0\% | 13,086.8 | 6.9 | 0.1\% |
| ME4 4 | 375515 | 2007 | Above Normal | April | - | 11,527.0 | 11,518.6 | 8.3 | 0.1\% | 11,517.8 | 9.1 | 0.1\% | 11,517.0 | 10.0 | 0.1\% | 11,516.2 | 10.8 | 0.1\% | 11,515.3 | 11.7 | 0.1\% | 11,514.5 | 12.5 | 0.1\% |
| ME4 | 375515 <br> 75515 | 2007 | Above Normal | May | - | 4,136.5 | 4,126.5 | 10.0 | ${ }^{0.2 \%}$ | 4,125.6 | 10.9 | 0.3\% | 4,124.5 | 11.9 | 0.3\% | 4,123.6 | 12.8 | ${ }^{0.3 \%}$ | ${ }^{4,122.6}$ | 13.9 | ${ }^{0.3 \%}$ | $4,121.6$ <br> 1 <br> 7775 | 14.8 | ${ }^{0.4 \%}$ |
| ME 4 <br> ME 4 | 37515 | 2007 | Above Normal | June | - | 1,496.2 | 1,484.4 | 11.8 | 0.8\% | 1,483.2 | 13.0 | 0.9\% | 1,481.9 | 14.2 | 1.0\% | 1,480.8 | 15.4 | 1.0\% | 1,479.6 | 16.6 | 1.1\% | 1,478.5 | 17.7 | ${ }^{1.2 \%}$ |
| ME 4 | $\begin{array}{r}375515 \\ 375515 \\ \hline\end{array}$ | 2007 | Above Normal | ${ }_{\text {July }}^{\text {Jugust }}$ | $\cdots$ | ${ }_{2295}^{495}$ | 483.4 211.4 | 11.8 10.5 | $2.4 \%$ $4.7 \%$ | 482.2 2103 | 13.0 11.6 | 2.6\% | 481.1 | 14.2 | ${ }_{57 \%}^{2.9 \%}$ | 479.9 | 15.3 | 3.1\% | 488.7 2072 | 16.5 | ${ }^{3.3 \%}$ | 477.5 | 17.7 <br> 15.8 <br> 14.7 | ${ }^{3.6 \%}$ |
| ME ME 4 4 | 375515 375515 | 2007 2007 | Above Normal Above Normal | August September | Used in Summary Table Analysis | 221.9 149.6 | 211.4 139.8 | 10.5 9.8 | 4.7\%\% | 210.3 138.8 | 11.6 10.8 | 5.2\% | 209.3 137.8 | 12.6 11.8 | 5.7\% $7.9 \%$ | 208.2 136.8 | 13.7 <br> 12.8 | ${ }_{8}^{6.5 \%}$ | 207.2 135.8 | 14.7 13.8 | ${ }_{\text {9.2\% }}{ }^{6.6 \%}$ | 206.1 134.8 | 15.8 14.7 | 7.19\% |
| ME 4 | 375515 | 2008 | Dry | October | Used in Summary Table Analysis | 3,426.4 | 3,418.5 | 7.9 | 0.2\% | 3,417.7 | 8.7 | 0.3\% | 3,417.0 | ${ }_{9.4}$ | 0.3\% | 3,416.2 | 10.2 | 0.3\% | 3,415.4 | 11.0 | 0.3\% | 3,414.6 | 11.8 | 0.3\% |
| ME 4 | 375515 | 2008 | Dry | November | Used in Summary Table Analysis | 3,267.9 | 3,261.9 | 6.0 | 0.2\% | 3,261.3 | 6.6 | 0.2\% | 3,260.8 | 7.2 | 0.2\% | 3,260.2 | 7.8 | 0.2\% | 3,259.5 | 8.4 | 0.3\% | 3,258.9 | 9.0 | 0.3\% |
| me 4 | 375515 | 2008 | Dry | December | -- | 23,070.6 | 23,066.0 | 4.6 | 0.0\% | 23,064.8 | 5.8 | 0.0\% | 23,064.8 | 5.8 | 0.0\% | 23,063.7 | 6.9 | 0.0\% | 23,063.7 | 6.9 | 0.0\% | 23,062.5 | 8.1 | 0.0\% |
| ME4 | 375515 | 2008 | Dry | January | -- | 37,478.0 | 37,473.4 | 4.6 | 0.0\% | 37,472.2 | 5.8 | 0.0\% | 37,472.2 | 5.8 | 0.0\% | 37,471.1 | 6.9 | 0.0\% | 37,471.1 | 6.9 | 0.0\% | 37,47.1. | 6.9 | 0.0\% |
| ME 4 | 375515 | 2008 | Dry | February | -- | 26,258.1 | 26,253.5 | 4.6 | 0.0\% | 26,253.5 | 4.6 | 0.0\% | 26,253.5 | 4.6 | 0.0\% | 26,252.3 | 5.8 | 0.0\% | 26,252.3 | 5.8 | 0.0\% | 26,252.3 | 5.8 | 0.0\% |
| ME4 | 375515 | 2008 | Dry | March | -- | 11,788.2 | 11,784.7 | 3.5 | 0.0\% | 11,784.7 | 3.5 | 0.0\% | 11,783.6 | 4.6 | 0.0\% | 11,783.6 | 4.6 | 0.0\% | 11,783.6 | 4.6 | 0.0\% | 11,782.4 | 5.8 | 0.0\% |
| ME4 | 375515 | 2008 | Dry | April | - | 9,012.3 | 9,003.8 | 8.4 | 0.1\% | 9,002.9 | 9.4 | 0.1\% | 9,002.1 | 10.2 | 0.1\% | $9,001.3$ | 11.0 | 0.1\% | $9,000.3$ | 11.9 | 0.1\% | 8,999.5 | 12.7 | 0.1\% |
| ME 4 | 375515 | 2008 | Dry | May | - | 1,360.3 | 1,351.3 | 9.0 | 0.7\% | 1,350.3 | 10.0 | 0.7\% | 1,349.5 | 10.8 | 0.8\% | 1,348.6 | 11.7 | 0.9\% | 1,347.7 | 12.6 | 0.9\% | 1,346.8 | 13.5 | 1.0\% |
| ME4 4 | 37515 | 2008 | Dry | June | - | 436.9 | 424.0 | 13.0 | 3.0\% | 422.7 | 14.2 | 3.3\% | 421.4 | 15.5 | 3.6\% | 420.1 | 16.8 | 3.8\% | 418.8 | 18.1 | 4.1\% | 417.6 | 19.4 | 4.4\% |
| ME4 | 375515 | 2008 | Dry | July | - | 255.2 | 242.7 | 12.5 | 4.9\% | 241.5 | 13.8 | 5.4\% | 240.2 | 15.0 | 5.9\% | 239.0 | 16.3 | 6.4\% | 237.7 | 17.5 | 6.9\% | 236.5 | 18.8 | 7.3\% |
| ME4 | 375515 | 2008 | Dry | August | -- | 178.6 | 166.6 | 12.0 | 6.7\% | 165.4 | 13.2 | 7.4\% | 164.2 | 14.4 | 8.1\% | 163.0 | 15.6 | 8.8\% | 161.8 | 16.8 | 9.4\% | 160.6 | 18.0 | 10.1\% |
| ME4 | 375515 | 2008 | Dry | September | Used in Summary Table Analysis | 140.3 | 128.9 | 11.5 | 8.2\% | 127.7 | 12.6 | 9.0\% | 126.6 | 13.8 | 9.8\% | 125.5 | 14.9 | 10.6\% | 124.3 | 16.0 | 11.4\% | 123.2 | 17.2 | 12.2\% |
| ME4 | 375515 | 2009 | Critical | October | Used in Summary Table Analysis | 922.9 | 914.1 | 8.8 | 1.0\% | 913.2 | 9.7 | 1.1\% | 912.3 | 10.6 | 1.2\% | 911.4 | 11.5 | 1.2\% | 910.5 | 12.4 | 1.3\% | 909.6 | 13.3 | 1.4\% |
| ME4 | 37515 | 2009 | Critical | November | Used in Summary Table Analysis | 5,498.5 | 5,491.7 | 6.8 | 0.1\% | 5,491.0 | 7.5 | 0.1\% | 5,490.3 | 8.2 | 0.1\% | 5,489.6 | 8.9 | 0.2\% | 5,488.9 | 9.6 | 0.2\% | 5,488.3 | 10.2 | 0.2\% |
| ME4 | 375515 | 2009 | Critical | December | - | 12,137.7 | 12,131.9 | 5.8 | 0.0\% | 12,131.9 | 5.8 | 0.0\% | 12,130.8 | 6.9 | 0.1\% | 12,130.8 | 6.9 | 0.1\% | 12,129.6 | 8.1 | 0.1\% | 12,129.6 | 8.1 | 0.1\% |
| ME4 4 | 375515 | 2009 | Critical | January | -- | 8,788.9 | 8,783.6 | 5.3 | 0.1\% | 8,783.0 | 5.9 | 0.1\% | 8,782.5 | 6.4 | 0.1\% | $\begin{array}{r}8,781.9 \\ \hline 2 \text { 2,56. }\end{array}$ | ${ }^{6.9}$ | 0.1\% | 8,781.4 | 7.5 | 0.1\% | 8,780.9 | 8.0 | 0.1\% |
| ME 4 ME 4 | 37515 | 2009 | Critical | February | -- | 22,591.4 | 22,586.8 | 4.6 | 0.0\% | 22,586.8 | 4.6 | 0.0\% | 22,586.8 | 4.6 | 0.0\% | 22,585.6 | 5.8 | 0.0\% | 22,585.6 | 5.8 | 0.0\% | 22,584.5 | 6.9 | 0.0\% |
| ME 4 ME 4 | $\begin{array}{r}375515 \\ 375515 \\ \hline\end{array}$ | 2009 | ${ }_{\text {critical }}$ | March | - | 21,104.2 | 21,100.7 | 3.5 88 | 0.0\% | 21,099.5 | ${ }_{9}^{4.6}$ | ${ }^{0.0 \%}$ | 21,099.5 | 4.6 <br> 10.5 <br> 12. | -0.0\% | $21,099.5$ <br> 10,0838 <br> 15,88 | 4.6 <br> 11.3 <br> 13 | 0.0\% | 21,098.4 10083 15, | 5.8 <br> 12.2 | 0.0\% | $21,098.4$ 10.082 .1 15 | 5.8 13.1 13.2 | - $0.0 \%$ |
| ME4 | 375515 | 2009 | Critical | May | -- | 15,575.2 | 15,564.8 | 10.4 | 0.1\% | 15,563.7 | 11.6 | 0.1\% | 1,562.5 | 112.7 | 0.1\% | 15,561.3 | 13.9 | 0.1\% | 15,560.2 | 15.0 | 0.1\% | 15,559.0 | 16.2 | 0.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  |  |  | FlowWithout Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Increr |  |  | 20\% Pumping Incre |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water <br> Reach) |  |  | Month | Note |  | Flow (cts) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent <br> Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \substack{\text { Difference } \\ \text { (cfs) }} \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { FFlow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference |
| ME4 | 375515 | 2009 | Critical | June | -- | 3,159.1 | 3,145.5 | 13.7 | 0.4\% | 3,144.1 | 15.0 | 0.5\% | 3,142.7 | 16.4 | 0.5\% | 3,141.3 | 17.8 | 0.6\% | 3,139.9 | 19.2 | 0.6\% | 3,138.7 | 20.5 | 0.6\% |
| me4 | 375515 | 2009 | Critical | July | - | 1,261.8 | 1,249.1 | 12.7 | 1.0\% | 1,247.8 | 14.0 | 1.1\% | 1,246.5 | 15.3 | 1.2\% | 1,245.3 | 16.6 | 1.3\% | 1,244.0 | 17.8 | 1.4\% | 1,242.7 | 19.1 | 1.5\% |
| me4 | 375515 | 2009 | Critical | August | -- | 667.7 | 655.5 | 12.2 | 1.8\% | 654.3 | 13.3 | 2.0\% | 653.1 | 14.6 | 2.2\% | 651.9 | 15.8 | 2.4\% | 650.7 | 17.0 | 2.5\% | 649.5 | 18.2 | 2.7\% |
| ME4 | 375515 | 2009 | Critical | September | Used in Summary Table Analysis | 389.1 | 378.4 | 10.7 | 2.7\% | 377.3 | 11.7 | 3.0\% | 376.3 | 12.8 | 3.3\% | 375.2 | 13.9 | 3.6\% | 374.1 | 14.9 | 3.8\% | 373.1 | 16.0 | 4.1\% |
| ME4 | 375515 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,087.0 | 6,078.0 | 9.0 | 0.1\% | 6,077.1 | 10.0 | 0.2\% | 6,076.2 | 10.9 | 0.2\% | 6,075.3 | 11.7 | 0.2\% | 6,074.4 | 12.6 | 0.2\% | 6,073.5 | 13.5 | 0.2\% |
| ME4 | 375515 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,281.9 | 8,275.0 | 6.9 | 0.1\% | 8,274.3 | 7.6 | 0.1\% | 8,273.6 | 8.3 | 0.1\% | 8,272.8 | 9.1 | 0.1\% | 8,272.1 | 9.8 | 0.1\% | 8,271.4 | 10.5 | 0.1\% |
| me4 | 375515 | 2010 | Below Normal | December - |  | 12,338.0 | 12,332.2 | 5.8 | 0.0\% | 12,332.2 | 5.8 | 0.0\% | 12,331.0 | 6.9 | 0.1\% | 12,331.0 | 6.9 | 0.1\% | 12,329.9 | 8.1 | 0.1\% | 12,329.9 | 8.1 | 0.1\% |
| me4 | 375515 | 2010 | Below Normal | January | -- | 36,179.4 | 36,173.6 | 5.8 | 0.0\% | 36,173.6 | 5.8 | 0.0\% | 36,172.5 | 6.9 | 0.0\% | 36,772.5 | 6.9 | 0.0\% | 36,172.5 | 6.9 | 0.0\% | 36,171.3 | 8.1 | 0.0\% |
| ME4 | 375515 | 2010 | Below Normal | February | - | 27,230.3 | 27,225.7 | 4.6 | 0.0\% | 27,224.5 | 5.8 | 0.0\% | 27,224.5 | 5.8 | 0.0\% | 27,223.4 | 6.9 | 0.0\% | 27,223.4 | 6.9 | 0.0\% | 27,223.4 | 6.9 | 0.0\% |
| ME4 | 375515 | 2010 | Below Normal | March | - | 28,824.1 | 28,819.4 | 4.6 | 0.0\% | 28,819.4 | 4.6 | 0.0\% | 28,819.4 | 4.6 | 0.0\% | 28,818.3 | 5.8 | 0.0\% | 28,818.3 | 5.8 | 0.0\% | 28,817.1 | 6.9 | 0.0\% |
| me4 | 375515 | 2010 | Below Normal | April | - | 39,990.7 | 39,986.1 | 4.6 | 0.0\% | 39,985.0 | 5.8 | 0.0\% | 39,985.0 | 5.8 | 0.0\% | 39,885.0 | 5.8 | 0.0\% | 39,983.8 | 6.9 | 0.0\% | 39,983, | 6.9 | 0.0\% |
| ME4 | 375515 | 2010 | Below Normal | May | - | 20,251.2 | 20,241.9 | 9.3 | 0.0\% | 20,240.7 | 10.4 | 0.1\% | 20,239.6 | 11.6 | 0.1\% | 20,238.4 | 12.7 | 0.1\% | 20,238.4 | 12.7 | 0.1\% | 20,237.3 | 13.9 | 0.1\% |
| me4 | 375515 | 2010 | Below Normal | June | -- | 9,335.9 | 9,322.7 | 13.2 | 0.1\% | 9,321.4 | 14.5 | 0.2\% | 9,320.0 | 15.9 | 0.2\% | 9,318.8 | 17.1 | 0.2\% | 9,317.5 | 18.4 | 0.2\% | 9,316.1 | 19.8 | 0.2\% |
| ME4 | 375515 | 2010 | Below Normal | July | - | 1,453.5 | 1,441.7 | 11.8 | 0.8\% | 1,440.5 | 13.0 | 0.9\% | 1,439.4 | 14.1 | 1.0\% | 1,438.2 | 15.3 | 1.1\% | 1,436.9 | 16.6 | 1.1\% | 1,435.8 | 17.7 | 1.2\% |
| ME4 | 375515 | 2010 | Below Normal | August | - | 567.2 | 556.4 | 10.8 | 1.9\% | 555.3 | 11.9 | 2.1\% | 554.3 | 12.9 | 2.3\% | 553.2 | 14.0 | 2.5\% | 552.2 | 15.0 | 2.6\% | 551.1 | 16.1 | 2.8\% |
| me4 | 375515 | 2010 | Below Normal | September | Used in Summary Table Analysis | 649.4 | 639.3 | 10.1 | 1.6\% | 638.2 | 11.1 | 1.7\% | 637.2 | 12.1 | 1.9\% | 636.2 | 13.1 | 2.0\% | 635.2 | 14.2 | 2.2\% | 634.2 | 15.2 | 2.3\% |
| me4 | 375515 | 2011 | Wet | October | Used in Summary Table Analysis | 9,623.6 | 9,616.0 | 7.6 | 0.1\% | 9,615.3 | 8.3 | 0.1\% | 9,614.5 | 9.1 | 0.1\% | 9,613.8 | 9.8 | 0.1\% | 9,613.0 | 10.6 | 0.1\% | 9,612.3 | 11.3 | 0.1\% |
| me4 | 375515 | 2011 | Wet | November | Used in Summary Table Analysis | 14,209.5 | 14,202.5 | 6.9 | 0.0\% | 14,202.5 | 6.9 | 0.0\% | 14,201.4 | 8.1 | 0.1\% | 14,201.4 | 8.1 | 0.1\% | 14,200.2 | 9.3 | 0.1\% | 14,200.2 | 9.3 | 0.1\% |
| me4 | 375515 | 2011 | Wet | December - |  | 33,655.1 | 33,650.5 | 4.6 | 0.0\% | 33,649.3 | 5.8 | 0.0\% | 33,649.3 | 5.8 | 0.0\% | 33,648.1 | 6.9 | 0.0\% | 33,648.1 | 6.9 | 0.0\% | 33,647.0 | 8.1 | 0.0\% |
| ME4 | 375515 | 2011 | Wet | January | - | 14,148.1 | 14,143.5 | 4.6 | 0.0\% | 14,142.4 | 5.8 | 0.0\% | 14,142.4 | 5.8 | 0.0\% | 14,141.2 | 6.9 | 0.0\% | 14,141.2 | 6.9 | 0.0\% | 14,141.2 | 6.9 | 0.0\% |
| me4 | 375515 | 2011 | Wet | February | -- | 20,759.3 | 20,754.6 | 4.6 | 0.0\% | 20,754.6 | 4.6 | 0.0\% | 20,754.6 | 4.6 | 0.0\% | 20,753.5 | 5.8 | 0.0\% | 20,753.5 | 5.8 | 0.0\% | 20,752.3 | 6.9 | 0.0\% |
| me4 | 375515 | 2011 | wet | March | - | 51,976.9 | 51,972.2 | 4.6 | 0.0\% | 51,972.2 | 4.6 | 0.0\% | 51,972.2 | 4.6 | 0.0\% | 51,971.1 | 5.8 | 0.0\% | 51,971.1 | 5.8 | 0.0\% | 51,971.1 | 5.8 | 0.0\% |
| me4 | 375515 | 2011 | Wet | April | - | 24,790.5 | 24,785.9 | 4.6 | 0.0\% | 24,785.9 | 4.6 | 0.0\% | 24,784.7 | 5.8 | 0.0\% | 24,784,7 | 5.8 | 0.0\% | 24,784.7 | 5.8 | 0.0\% | 24,783.6 | 6.9 | 0.0\% |
| me4 | 375515 | 2011 | Wet | May | - | 11,378.0 | 11,369.4 | 8.6 | 0.1\% | 11,368.6 | 9.4 | 0.1\% | 11,367.7 | 10.3 | 0.1\% | 11,366.9 | 11.1 | 0.1\% | 11,366.0 | 12.0 | 0.1\% | 11,365.0 | 13.0 | 0.1\% |
| ME4 | 375515 | 2011 | Wet | June | - | 7,051.9 | 7,038.9 | 13.0 | 0.2\% | 7,037.6 | 14.2 | 0.2\% | 7,036.3 | 15.5 | 0.2\% | 7,035.1 | 16.8 | 0.2\% | 7,033.8 | 18.1 | 0.3\% | 7,032.5 | 19.3 | 0.3\% |
| ME4 | 375515 | 2011 | Wet | July | - | 1,828.1 | 1,815.5 | 12.6 | 0.7\% | 1,814.2 | 13.9 | 0.8\% | 1,813.0 | 15.2 | 0.8\% | 1,811.8 | 16.3 | 0.9\% | 1,810.5 | 17.6 | 1.0\% | 1,809.3 | 18.9 | 1.0\% |
| me4 | 375515 | 2011 | Wet | August | -- | 775.5 | 764.9 | 10.6 | 1.4\% | 763.8 | 11.7 | 1.5\% | 762.8 | 12.8 | 1.6\% | 761.7 | 13.8 | 1.8\% | 760.6 | 14.9 | 1.9\% | 759.6 | 15.9 | 2.1\% |
| ME4 | 375515 | 2011 | Wet | September | Used in Summary Table Analysis | 432.2 | 422.6 | 9.5 | 2.2\% | 421.7 | 10.5 | 2.4\% | 420.7 | 11.5 | 2.7\% | 419.8 | 12.4 | 2.9\% | 418.8 | 13.4 | 3.1\% | 417.8 | 14.3 | 3.3\% |
| me4 | 375515 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,536.7 | 4,528.9 | 7.8 | 0.2\% | 4,528.2 | 8.4 | 0.2\% | 4,527.4 | 9.3 | 0.2\% | 4,526.6 | 10.1 | 0.2\% | 4,525.9 | 10.8 | 0.2\% | 4,525.1 | 11.6 | 0.3\% |
| ME4 | 375515 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,228.0 | 8,221.9 | 6.1 | 0.1\% | $8,221.3$ | 6.7 | 0.1\% | 8,220.7 | 7.3 | 0.1\% | 8,220.0 | 8.0 | 0.1\% | $8,219.4$ | 8.6 | 0.1\% | $8,218.9$ | 9.1 | 0.1\% |
| ME4 | 375515 | 2012 | Below Normal | December - |  | 5,179.2 | 5,173.8 | 5.3 | 0.1\% | 5,173.4 | 5.8 | 0.1\% | 5,172.8 | 6.4 | 0.1\% | 5,172.3 | 6.8 | 0.1\% | 5,171.8 | 7.4 | 0.1\% | 5,171.3 | 7.9 | 0.2\% |
| me4 | 375515 | 2012 | Below Normal | January | -- | 20,086.8 | 20,082,2 | 4.6 | 0.0\% | 20,081.0 | 5.8 | 0.0\% | 20,081.0 | 5.8 | 0.0\% | 20,079.9 | 6.9 | 0.0\% | 20,079.9 | 6.9 | 0.0\% | 20,079.9 | 6.9 | 0.0\% |
| ME4 | 375515 | 2012 | Below Normal | February - |  | 18,204.9 | 18,200.2 | 4.6 | 0.0\% | 18,200.2 | 4.6 | 0.0\% | 18,200.2 | 4.6 | 0.0\% | 18,199.1 | 5.8 | 0.0\% | 18,199.1 | 5.8 | 0.0\% | 18,197.9 | 6.9 | 0.0\% |
| me4 | 375515 | 2012 | Below Normal | March | -- | 45,391.2 | 45,386.6 | 4.6 | 0.0\% | 45,386.6 | 4.6 | 0.0\% | 45,385.4 | 5.8 | 0.0\% | 45,385.4 | 5.8 | 0.0\% | 45,385.4 | 5.8 | 0.0\% | 45,384.3 | 6.9 | 0.0\% |
| ME4 | 375515 | 2012 | Below Normal | April | - | 26,847.2 | 26,842.6 | 4.6 | 0.0\% | 26,842.6 | 4.6 | 0.0\% | 26,842.6 | 4.6 | 0.0\% | 26,841.4 | 5.8 | 0.0\% | 26,841.4 | 5.8 | 0.0\% | 26,841.4 | 5.8 | 0.0\% |
| ME4 | 375515 | 2012 | Below Normal | May |  | 7,480.0 | 7,471.3 | 8.7 | 0.1\% | 7,470.5 | 9.5 | 0.1\% | 7,469.6 | 10.4 | 0.1\% | 7,468.8 | 11.2 | 0.2\% | 7,467.9 | 12.0 | 0.2\% | 7,467.1 | 12.8 | 0.2\% |
| me4 | 375515 | 2012 | Below Normal | June | - | 5,511.1 | 5,497.9 | 13.2 | 0.2\% | 5,496.5 | 14.6 | 0.3\% | 5,495.3 | 15.9 | 0.3\% | 5,494.0 | 17.1 | 0.3\% | 5,492.6 | 18.5 | 0.3\% | 5,491.3 | 19.8 | 0.4\% |
| ME4 | 375515 | 2012 | Below Normal | July | - | 2,221.1 | 2,208.8 | 12.3 | 0.6\% | 2,207.6 | 13.4 | 0.6\% | 2,206.4 | 14.7 | 0.7\% | 2,205.1 | 16.0 | 0.7\% | 2,203.9 | 17.1 | 0.8\% | 2,202.8 | 18.3 | 0.8\% |
| me4 | 375515 | 2012 | Below Normal | August | -- | 387.6 | 377.8 | 9.8 | 2.5\% | 376.8 | 10.7 | 2.8\% | 375.9 | 11.7 | 3.0\% | 374.9 | 12.7 | 3.3\% | 373.9 | 13.6 | 3.5\% | 373.0 | 14.6 | 3.8\% |
| ME4 | 375515 | 2012 | Below Normal | September | Used in Summary Table Analysis | 247.9 | 239.3 | 8.6 | 3.5\% | 238.5 | 9.4 | 3.8\% | 237.6 | 10.3 | 4.1\% | 236.8 | 11.1 | 4.5\% | 235.9 | 12.0 | 4.8\% | 235.1 | 12.8 | 5.2\% |
| ME4 | 375515 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,908.8 | 1,901.4 | 7.4 | 0.4\% | $1,900.7$ | 8.1 | 0.4\% | 1,899.9 | 8.9 | 0.5\% | 1,899.2 | 9.6 | 0.5\% | 1,898.4 | 10.4 | 0.5\% | 1,897.7 | 11.1 | 0.6\% |
| ME4 | 375515 <br> 375515 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,666.7 | $14,660.9$ 59,944 | 5.8 58 | 0.0\% | $14,660.9$ 59,943 | 5.8 | 0.0\% | $14,659.7$ 59 | ${ }_{6}^{6.9}$ | 0.0\% | $14,659.7$ 59 | ${ }_{6}^{6.9}$ | 0.0\% | 14,658.6 | 8.1 | ${ }^{0.1 \%}$ | $14,658.6$ <br> 9.9421 | 8.1 | ${ }^{0.1 \%}$ |
| ME 4 ME4 den | 375515 | 2013 | Below Normal Below Normal | December |  | $59,950.2$ 22,188.7 | 59,944.4 | $\begin{aligned} & 5.8 \\ & 4.6 \end{aligned}$ | $0.0 \%$ $0.0 \%$ 0.0 | $59,943.3$ 22, 184.0 | 6.9 4.6 | 0.0\% | $59,943.3$ 22, 184.0 | 6.9 4.6 | 0.0\% | 59,943.3 22, 28.9 | 6.9 5.8 | - $0.0 \%$ | 59,942.1. 22,182.9 | 8.1 5.8 | - | 59,942.1 22,181.7 | 8.1 6.9 | -0.0\% |
| ME4 4 | 375515 | 2013 | Below Normal | February - | -- | 8, | 8,835.4 | 4.4 | 0.0\% | 8,835.0 | 4.9 | 0.1\% | 8,834.6 | 5.2 | 0.1\% | 8,834.1 | 5.7 | 0.1\% | ${ }_{8,833.7}$ | 6.1 | 0.1\% | 8,833.2 | 6.6 | 0.1\% |
| ME4 | 375515 | 2013 | Below Normal | March |  | 10,321.3 | 10,317.1 | 4.2 | 0.0\% | 10,316.7 | 4.6 | 0.0\% | 10,316.3 | 5.0 | 0.0\% | 10,315.9 | 5.4 | 0.1\% | 10,315.4 | 5.9 | 0.1\% | 10,315.0 | 6.3 | 0.1\% |
| ME4 | 375515 | 2013 | Below Normal | April | -- | 8,288.4 | 8,280,3 | 8.1 | 0.1\% | 8,279.5 | 8.9 | 0.1\% | 8,278.6 | 9.8 | 0.1\% | 8,277.8 | 10.6 | 0.1\% | 8,277.0 | 11.5 | 0.1\% | 8,276.2 | 12.3 | 0.1\% |
| ME4 | 375515 | 2013 | Below Normal | May | - | 4,427.4 | 4,417.6 | 9.8 | 0.2\% | 4,416.6 | 10.9 | 0.2\% | 4,415.6 | 11.8 | 0.3\% | 4,414.6 | 12.8 | 0.3\% | 4,413.7 | 13.8 | 0.3\% | 4,412.6 | 14.8 | 0.3\% |
| me4 | 375515 | 2013 | Below Normal | June | - | 2,109.4 | 2,097.5 | 11.9 | 0.6\% | 2,096.3 | 13.1 | 0.6\% | 2,095.1 | 14.2 | 0.7\% | 2,094.0 | 15.4 | 0.7\% | 2,092.8 | 16.6 | 0.8\% | 2,091.7 | 17.7 | 0.8\% |
| ME4 | 375515 | 2013 | Below Normal | July | - | 717.8 | 706.5 | 11.3 | 1.6\% | 705.3 | 12.4 | 1.7\% | 704.2 | 13.6 | 1.9\% | 703.1 | 14.7 | 2.0\% | 702.0 | 15.8 | 2.2\% | 700.8 | 16.9 | 2.4\% |
| ME 4 | 375515 | 2013 | Below Normal | August | -- | 339.4 | 328.9 | 10.5 | 3.1\% | 327.8 | 11.5 | 3.4\% | 326.8 | 12.6 | 3.7\% | 325.7 | 13.6 | 4.0\% | 324.7 | 14.7 | 4.3\% | 323.6 | 15.7 | 4.6\% |
| ME4 | 375515 375515 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,781.3 | 4,770.4 | 10.9 | $0.2 \%$ $28 \%$ | 4,769.3 | 11.9 8.5 | 0.2\% | $4,768.3$ 271.9 | 13.0 | 年.3\% | 4,767.1 | 14.1 | 0.3\% | 4,766.1 | 15.2 | 0.3\% 388 | 4,765.0 | 16.2 | $0.3 \%$ 4.10 |
| ME 4 ME 4 | 375515 375515 | 2014 | Critical Critical | October | Used in Summary Table Analysis | 281.2 $1,535.5$ | 273.4 $1,529.4$ | 7.7 6.1 | 2.8\% | 272.7 $1,528.8$ | 8.5 6.7 | 3.0\% | 271.9 $1,528.1$ | 9.3 7.4 | 3.3\% | ${ }_{\text {1,527.5 }}^{271.1}$ | 10.0 8.0 | 3.5\% | 27.40 .4 $1,527.0$ | 10.8 8.6 | 3.8\% | ${ }_{1,526.3}^{269.6}$ | ${ }_{9.3}^{11.6}$ | 4.1\% |
| ME4 | 375515 | 2014 | Critical | December - | - | 1,588.5 | 1,583.1 | 5.4 | 0.3\% | 1,582.5 | 6.0 | 0.4\% | 1,581.9 | 6.6 | 0.4\% | ${ }_{1,581.5}$ | 7.1 | 0.4\% | 1,580.9 | 7.6 | 0.5\% | 1,580.3 | 8.2 | 0.5\% |
| ME4 | 375515 | 2014 | Critical | January |  | 2,818.9 | 2,814.0 | 4.9 | 0.2\% | 2,813.5 | 5.3 | 0.2\% | 2,813.1 | 5.8 | 0.2\% | 2,812.6 | 6.3 | 0.2\% | 2,812.0 | 6.8 | 0.2\% | 2,811.6 | 7.3 | 0.3\% |
| me4 | 375515 | 2014 | Critical | February - | -- | 15,745.4 | 15,740.7 | 4.6 | 0.0\% | 15,739.6 | 5.8 | 0.0\% | 15,739.6 | 5.8 | 0.0\% | 15,738.4 | 6.9 | 0.0\% | 15,738.4 | 6.9 | 0.0\% | 15,738.4 | 6.9 | 0.0\% |
| ME4 | 375515 | 2014 | Critical | March | - | 31,475.7 | 31,471.1 | 4.6 | 0.0\% | 31,471.1 | 4.6 | 0.0\% | 31,469.9 | 5.8 | 0.0\% | 31,469.9 | 5.8 | 0.0\% | 31,469.9 | 5.8 | 0.0\% | 31,468.8 | 6.9 | 0.0\% |
| me4 | 375515 | 2014 | Critical | April | - | 12,986.1 | 12,978.0 | 8.1 | 0.1\% | 12,976.9 | 9.3 | 0.1\% | 12,975.7 | 10.4 | 0.1\% | 12,975.7 | 10.4 | 0.1\% | 12,974.5 | 11.6 | 0.1\% | 12,973.4 | 12.7 | 0.1\% |
| me4 | 375515 | 2014 | Critical | May | - | 5,185.9 | 5,175.5 | 10.4 | 0.2\% | 5,174.4 | 11.5 | 0.2\% | 5,173.4 | 12.5 | 0.2\% | 5,172.3 | 13.5 | 0.3\% | 5,171.3 | 14.6 | 0.3\% | 5,170.3 | 15.6 | 0.3\% |
| ME4 | 375515 | 2014 | Critical | June | - | 1,197.1 | 1,182.9 | 14.2 | 1.2\% | 1,181.5 | 15.6 | 1.3\% | 1,180, 1 | 17.0 | 1.4\% | 1,178.6 | 18.5 | 1.5\% | 1,177.2 | 19.9 | 1.7\% | 1,175.8 | ${ }^{21.3}$ | 1.8\% |
| me4 | 375515 | 2014 | Critical | July | - | 545.6 | 532.7 | 12.9 | 2.4\% | 531.4 | 14.2 | 2.6\% | 530.1 | 15.5 | 2.8\% | 528.8 | 16.7 | 3.1\% | 527.5 | 18.0 | 3.3\% | 526.3 | 19.3 | 3.5\% |
| ME 4 | 375515 | 2014 | Critical | August | matar Ans | 347.3 | 335.2 | ${ }_{12.2}$ | 3.5\% | 334.0 | 13.4 | 3.9\% | 332.7 | 14.6 | 4.2\% | 331.5 | 15.8 | 4.6\% | 330.3 | 17.0 | 4.9\% | 329.1 | 18.2 | 5.3\% |
| ME4 | 375515 | 2014 | Critical | September | d in Summary Table Analysis | 2,571.3 | 2,559.5 | 11.8 | 0.5\% | 2,558.3 | 13.0 | 0.5\% | 2,557.1 | 14.2 | 0.6\% | 2,555.9 | 15.4 | 0.6\% | 2,554.7 | 16.6 | 0.6\% | 2,553.6 | 17.7 | 0.7\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column <br> Surface Water <br> Reach) |  |  | Note | Flow (cfs) |  | Flow Difference | Percent Difference | $\begin{array}{cc}  & \begin{array}{c} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{array} \\ \hline \text { Flow (cfs) } \end{array}$ |  | Percent Difference | ${ }_{\text {Flow (ffs) }}$Flow <br> Difference <br> (ffs) |  | Percent Difference | $\begin{gathered} \text { Flow (cfs) } \begin{array}{c} \text { Fiflew } \\ \text { Dference } \end{array} \\ \text { (cts } \end{gathered}$ |  | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | $\begin{gathered} \text { Percent } \\ \text { Difference } \end{gathered}$ |
| me 4 | 375515 | 2015 | Dry |  | ober | Used in Summary Table Analysis | 11,353.0 | 11,344.2 | 8.8 | 0.1\% | 11,343.3 | 9.7 | 0.1\% | 11,342.5 | 10.5 | 0.1\% | 11,340.9 | 12.2 | 0.1\% | 11,340.0 | 13.0 | 0.1\% | 11,339.1 | 13.9 | 0.1\% |
| me 4 | 375515 | 2015 | Dry | November | Used in Summary Table Analysis | 9,030.1 | 9,023.4 | 6.7 | 0.1\% | 9,022.7 | 7.4 | 0.1\% | 9,022.0 | 8.1 | 0.1\% | 9,021.3 | 8.8 | 0.1\% | 9,020.6 | 9.5 | 0.1\% | 9,019.9 | 10.2 | 0.1\% |
| me 4 | 375515 | 2015 | Dry | December - |  | 32,583.3 | 32,577.5 | 5.8 | 0.0\% | 32,57. 5 | 5.8 | 0.0\% | 32,576.4 | 6.9 | 0.0\% | 32,576.4 | 6.9 | 0.0\% | 32,575.2 | 8.1 | 0.0\% | 32,575.2 | 8.1 | 0.0\% |
| me 4 | 375515 | 2015 | Dry | January | - | 14,572.9 | 14,567.1 | 5.8 | 0.0\% | 14,567.1 | 5.8 | 0.0\% | 14,566.0 | 6.9 | 0.0\% | 14,566.0 | 6.9 | 0.0\% | 14,566.0 | 6.9 | 0.0\% | 14,564.8 | 8.1 | 0.1\% |
| ME4 | 375515 | 2015 | Dry | February | -- | 27,221.1 | 27,216.4 | 4.6 | 0.0\% | 27,216.4 | 4.6 | 0.0\% | 27,215.3 | 5.8 | 0.0\% | 27,215.3 | 5.8 | 0.0\% | 27,214.1 | 6.9 | 0.0\% | 27,244.1 | 6.9 | 0.0\% |
| ME4 | 375515 | 2015 | Dry | March | - | 11,567.9 | 11,563.7 | 4.3 | 0.0\% | 11,563.3 | 4.6 | 0.0\% | 11,562.8 | 5.1 | 0.0\% | 11,562.4 | 5.6 | 0.0\% | 11,562.0 | 5.9 | 0.1\% | 11,561.6 | 6.4 | 0.1\% |
| ME4 | 375515 | 2015 | Dry | April | - | 8,378.0 | 8,369.3 | 8.7 | 0.1\% | 8,368.5 | 9.5 | 0.1\% | 8,367.6 | 10.4 | 0.1\% | 8,366.8 | 11.2 | 0.1\% | 8,365.9 | 12.2 | 0.1\% | 8,365.0 | 13.0 | 0.2\% |
| ME4 | 375515 | 2015 | Dry | May | - | 1,509.0 | 1,498.8 | 10.2 | 0.7\% | 1,497.8 | 11.2 | 0.7\% | 1,496.8 | 12.3 | 0.8\% | 1,495.7 | 13.3 | 0.9\% | 1,494.7 | 14.4 | 1.0\% | 1,493.6 | 15.4 | 1.0\% |
| ME4 | 375515 | 2015 | Dry | June | - | 652.3 | 639.2 | 13.1 | 2.0\% | 637.8 | 14.5 | 2.2\% | 636.5 | 15.8 | 2.4\% | 635.2 | 17.1 | 2.6\% | 633.9 | 18.4 | 2.8\% | 632.6 | 19.7 | 3.0\% |
| ME4 | 375515 | 2015 | Dry | July | - | 268.3 | 255.7 | 12.6 | 4.7\% | 254.5 | 13.9 | 5.2\% | 253.2 | 15.1 | 5.6\% | 251.9 | 16.4 | 6.1\% | 250.7 | 17.7 | 6.6\% | 249.4 | 18.9 | 7.0\% |
| ME4 | 375515 | 2015 | Dry | August | -- | 165.8 | 153.8 | 12.1 | 7.3\% | 152.5 | 13.3 | 8.0\% | 151.3 | 14.5 | 8.7\% | 150.1 | 15.7 | 9.5\% | 148.9 | 16.9 | 10.2\% | 147.7 | 18.1 | 10.9\% |
| ME4 | 375515 | 2015 | Dry | September | Used in Summary Table Analysis | 120.3 | 109.6 | 10.7 | 8.9\% | 108.6 | 11.7 | 9.8\% | 107.5 | 12.8 | 10.6\% | 106.4 | 13.9 | 11.5\% | 105.4 | 15.0 | 12.4\% | 104.3 | 16.0 | 13.3\% |
| ME4 | 375515 | 2016 | Above Normal | October | Used in Summary Table Analysis | 85.8 | 76.7 | 9.0 | 10.5\% | 75.8 | 10.0 | 11.6\% | 74.9 | 10.9 | 12.7\% | 74.6 | 11.2 | 13.1\% | 73.8 | 11.9 | 13.9\% | 72.5 | 13.2 | 15.4\% |
| ME4 | 375515 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,858.2 | 3,851.4 | 6.8 | 0.2\% | 3,850.7 | 7.5 | 0.2\% | 3,850.0 | 8.2 | 0.2\% | 3,849.3 | 8.9 | 0.2\% | 3,848.6 | 9.6 | 0.2\% | 3,847.9 | 10.3 | 0.3\% |
| ME4 | 375515 | 2016 | Above Normal | December - | -- | 36,579.9 | 36,574.1 | 5.8 | 0.0\% | 36,57.9 | 6.9 | 0.0\% | 36,572.9 | 6.9 | 0.0\% | 36,571.8 | 8.1 | 0.0\% | 36,571.8 | 8.1 | 0.0\% | 36,570.6 | 9.3 | 0.0\% |
| ME4 | 375515 | 2016 | Above Normal | January | -- | 57,275.5 | 57,269.7 | 5.8 | 0.0\% | 57,299.7 | 5.8 | 0.0\% | 57,268.5 | 6.9 | 0.0\% | 57,268.5 | 6.9 | 0.0\% | 57,267.4 | 8.1 | 0.0\% | 57,267.4 | 8.1 | 0.0\% |
| ME4 | 375515 | 2016 | Above Normal | February - | -- | 24,261.6 | 24,256.9 | 4.6 | 0.0\% | 24,256.9 | 4.6 | 0.0\% | 24,256.9 | 4.6 | 0.0\% | 24,25.8 | 5.8 | 0.0\% | 24,255.8 | 5.8 | 0.0\% | 24,254.6 | 6.9 | 0.0\% |
| ME4 | 375515 | 2016 | Above Normal | March | -- | 41,758.1 | 41,753.5 | 4.6 | 0.0\% | 41,753.5 | 4.6 | 0.0\% | 41,753.5 | 4.6 | 0.0\% | 41,752.3 | 5.8 | 0.0\% | 41,752.3 | 5.8 | 0.0\% | 41,751.2 | 6.9 | 0.0\% |
| ME4 | 375515 | 2016 | Above Normal | April | - | 18,532.4 | 18,527.8 | 4.6 | 0.0\% | 18,527.8 | 4.6 | 0.0\% | 18,527.8 | 4.6 | 0.0\% | 18,526.6 | 5.8 | 0.0\% | 18,526,6 | 5.8 | 0.0\% | 18,526.6 | 5.8 | 0.0\% |
| ME4 | 375515 | 2016 | Above Normal | May | -- | 5,213.4 | 5,208.3 | 5.1 | 0.1\% | 5,207.8 | 5.7 | 0.1\% | 5,207.3 | 6.1 | 0.1\% | 5,206.7 | 6.7 | 0.1\% | 5,206.3 | 7.2 | 0.1\% | 5,205.7 | 7.8 | 0.1\% |
| ME4 | 375515 | 2016 | Above Normal | June | - | 1,508.4 | 1,498.1 | 10.3 | 0.7\% | 1,497.2 | 11.2 | 0.7\% | 1,496.2 | 12.3 | 0.8\% | 1,495.1 | 13.3 | 0.9\% | 1,494.1 | 14.4 | 1.0\% | 1,993.1 | 15.4 | 1.0\% |
| me4 | 375515 | 2016 | Above Normal | July | - | 821.9 | 810.8 | 11.2 | 1.4\% | 809.7 | 12.3 | 1.5\% | 808.6 | 13.4 | 1.6\% | 807.4 | 14.5 | 1.8\% | 806.3 | 15.6 | 1.9\% | 805.2 | 16.7 | 2.0\% |
| ME4 | 375515 | 2016 | Above Normal | August | -- | 490.5 | 479.8 | 10.7 | 2.2\% | 478.7 | 11.8 | 2.4\% | 477.6 | 12.9 | 2.6\% | 476.5 | 14.0 | 2.8\% | 475.5 | 15.0 | 3.1\% | 474.4 | 16.1 | 3.3\% |
| ME4 | 375515 | 2016 | Above Normal | September | Used in Summary Table Analysis | 327.0 | 317.6 | 9.4 | 2.9\% | 316.6 | 10.4 | 3.2\% | 315.7 | 11.3 | 3.5\% | 314.7 | 12.3 | 3.8\% | 313.8 | 13.2 | 4.0\% | 312.8 | 14.2 | 4.3\% |
| ME4 | 375515 | 2017 | Wet | October | Used in Summary Table Analysis | 18,268.5 | 18,260.4 | 8.1 | 0.0\% | 18,260.4 | 8.1 | 0.0\% | 18,259.3 | 9.3 | 0.1\% | 18,258.1 | 10.4 | 0.1\% | 18,258.1 | 10.4 | 0.1\% | 18,256.9 | 11.6 | 0.1\% |
| ME4 | 375515 | 2017 | Wet | November | Used in Summary Table Analysis | 18,805.6 | 18,799.8 | 5.8 | 0.0\% | 18,799.8 | 5.8 | 0.0\% | 18,798.6 | 6.9 | 0.0\% | 18,798.6 | 6.9 | 0.0\% | 18,797.5 | 8.1 | 0.0\% | 18,797.5 | 8.1 | 0.0\% |
| ME4 | 375515 | 2017 | Wet | December - |  | 24,083.3 | 24,078.7 | 4.6 | 0.0\% | 24,077.5 | 5.8 | 0.0\% | 24,077.5 | 5.8 | 0.0\% | 24,076.4 | 6.9 | 0.0\% | 24,076.4 | 6.9 | 0.0\% | 24,075.2 | 8.1 | 0.0\% |
| ME4 | 375515 | 2017 | Wet | January | - | 106,814.8 | 106,810.2 | 4.6 | 0.0\% | 106,810.2 | 4.6 | 0.0\% | 106,809.0 | 5.8 | 0.0\% | 106,809.0 | 5.8 | 0.0\% | 106,807.9 | 6.9 | 0.0\% | 106,807.9 | 6.9 | 0.0\% |
| ME4 | 375515 | 2017 | Wet | February | -- | 81,788.2 | 81,783.6 | 4.6 | 0.0\% | 81,783.6 | 4.6 | 0.0\% | 81,782.4 | 5.8 | 0.0\% | 81,782.4 | 5.8 | 0.0\% | 81,781.3 | 6.9 | 0.0\% | 81,781.3 | 6.9 | 0.0\% |
| ME4 4 | 375515 | 2017 | Wet | March | - | 27,258.1 | 27,254.6 | 3.5 | 0.0\% | 27,253.5 | 4.6 | 0.0\% | 27,253.5 | 4.6 | 0.0\% | 27,253.5 | 4.6 | 0.0\% | 27,252.3 | 5.8 | 0.0\% | 27,252.3 | 5.8 | 0.0\% |
| ME4 | 375515 | 2017 | Wet | April |  | 22,999.0 | 22,915.5 | 3.5 | 0.0\% | 22,915.5 | 3.5 | 0.0\% | 22,914.4 | 4.6 | 0.0\% | 22,914.4 | 4.6 | 0.0\% | 22,914,4 | 4.6 | 0.0\% | 22,913.2 | 5.8 | 0.0\% |
| ME4 | 375515 | 2017 | Wet | May | - | 6,272.3 | 6,267.0 | 5.3 | 0.1\% | 6,266.6 | 5.8 | 0.1\% | 6,266.0 | 6.4 | 0.1\% | 6,265.4 | 6.9 | 0.1\% | 6,264.9 | 7.4 | 0.1\% | 6,264.4 | 8.0 | 0.1\% |
| ME4 | 375515 | 2017 | Wet | June | - | 2,113.9 | 2,103.4 | 10.5 | 0.5\% | 2,102.3 | 11.6 | 0.5\% | 2,101.3 | 12.6 | 0.6\% | 2,100.2 | 13.7 | 0.6\% | 2,099.2 | 14.7 | 0.7\% | 2,098.1 | 15.7 | 0.7\% |
| ME4 | 375515 | 2017 | Wet | July | - | 932.5 | 921.3 | 11.3 | 1.2\% | 920.2 | 12.4 | 1.3\% | 919.0 | 13.5 | 1.4\% | 917.9 | 14.7 | 1.6\% | 916.8 | 15.8 | 1.7\% | 915.6 | 16.9 | 1.8\% |
| ME4 | 37515 | 2017 | Wet | August | -- | 504.8 | 494.0 | 10.8 | 2.1\% | 493.0 | 11.9 | 2.4\% | 491.9 | 13.0 | 2.6\% | 490.8 | 14.0 | 2.8\% | 489.7 | 15.1 | 3.0\% | 488.6 | 16.2 | 3.2\% |
| ME4 | 375515 | 2017 | Wet | September | Used in Summary Table Analysis | 321.3 | 311.5 | 9.9 | 3.1\% | 310.5 | 10.8 | 3.4\% | 309.5 | 11.8 | 3.7\% | 308.5 | 12.8 | 4.0\% | 307.6 | 13.8 | 4.3\% | 306.6 | 14.8 | 4.6\% |
| ME 4 | $\begin{array}{r}375515 \\ 37515 \\ \hline\end{array}$ | 2018 | Above Normal | October | Used in Summary Table Analysis | 274.2 10769.2 20,4.4 | ${ }^{2677.3}$ | ${ }_{5}^{6.8}$ | 2.5\% | 266.2 107627 | 8.0 6 | 2.9\% | ${ }^{265.3}$ | 8.9 | ${ }^{3.2 \%}$ | 264.3 107615 | 9.9 78 | ${ }^{3.6 \%}$ | 263.4 $10,760$. | ${ }_{8}^{10.8}$ | ${ }^{3.9 \%}$ | ${ }^{262.6}$ | ${ }_{189}^{11.6}$ | 4.2\% |
| ME4 | 375515 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,769.2 | 10,763.3 | 5.9 | 0.1\% | 10,762.7 | 6.5 5.6 | 0.1\% | $10,762.0$ 5.438 .3 | $\begin{aligned} & 7.2 \\ & 6.1 \end{aligned}$ | 0.1\% | $10,761.5$ 5.437 .8 17.8 .8 | 7.8 66 | 0.1\% | $10,760.9$ <br> 54374 <br> 18.74 .4 | 8.3 71 | 0.1\% | $10,760.3$ 5.436 .8 | 8.9 7.6 | 0.1\% |
| ME4 ME 4 | 375515 375515 | 2018 2018 | Above Normal | December $\begin{aligned} & \text { January }\end{aligned}$ | -- | 5,444.4 $17,741.9$ | 5,439.4 $17,737.3$ | 5.1 4.6 | 0.0\% | 5,438.9 $17,737.3$ | 5.6 4.6 | 0.0\% | - ${ }^{5,4388.3} \mathbf{1 7 , 7 3 6 . 1}$ | 6.1 5.8 | 0.0\% | 5,4737.8 $17,736.1$ | ¢ <br> 5.8 <br> 8.6 | 0.0\% | 5,4737.4 $17,736.1$ | 7.1 5.8 | 0.0\% |  | 6.9 | 0.1\%\% |
| ME4 | 375515 | 2018 | Above Normal | February |  | 7,596.2 | 7,592.1 | 4.1 | 0.1\% | 7,591.7 | 4.5 | 0.1\% | 7,591.2 | 5.0 | 0.1\% | 7,590.9 | 5.3 | 0.1\% | 7,590.4 | 5.8 | 0.1\% | 7,590.0 | 6.1 | 0.1\% |
| ME4 | 375515 | 2018 | Above Normal | March | -- | 20,674.8 | 20,671.3 | 3.5 | 0.0\% | 20,671.3 | 3.5 | 0.0\% | 20,670.1 | 4.6 | 0.0\% | 20,670.1 | 4.6 | 0.0\% | 20,670.1 | 4.6 | 0.0\% | 20,669.0 | 5.8 | 0.0\% |
| ME4 | 375515 | 2018 | Above Normal | April | - | 32,172.5 | 32,167.8 | 4.6 | 0.0\% | 32,167.8 | 4.6 | 0.0\% | 32,167.8 | 4.6 | 0.0\% | 32,167.8 | 4.6 | 0.0\% | 32,166.7 | 5.8 | 0.0\% | 32,166.7 | 5.8 | 0.0\% |
| ME4 | 375515 | 2018 | Above Normal | May | - | 6,987.8 | 6,979.6 | 8.2 | 0.1\% | 6,978.8 | 9.0 | 0.1\% | 6,978.0 | 9.8 | 0.1\% | 6,977.2 | 10.6 | 0.2\% | 6,976.4 | 11.5 | 0.2\% | 6,975.6 | 12.3 | 0.2\% |
| ME4 4 | $\begin{array}{r}375515 \\ \hline 7515\end{array}$ | 2018 | Above Normal | June | - | 1,912.8 | 1,902.3 | 10.5 | 0.6\% | 1,901.2 | 11.7 | 0.6\% | 1,900.1 | 12.7 | 0.7\% | 1,899.1 | 13.8 | 0.7\% | 1,898.0 | 14.8 | 0.8\% | 1,897.0 | 15.9 | 0.8\% |
| ME4 | 375515 | 2018 | Above Normal | July | - | 780.1 | 768.8 | 11.3 | 1.4\% | 767.7 | 12.4 | 1.6\% | 766.6 | 13.5 | 1.7\% | 765.4 | 14.6 | 1.9\% | 764.3 | 15.7 | 2.0\% | 763.2 | 16.9 | 2.2\% |
| ME 4 | $\begin{array}{r}375515 \\ 37515 \\ \hline\end{array}$ | 2018 | Above Normal | August | Used in Summar Tale Analysis | 44.4 | 431.0 2891 | 10.3 | $2.3 \%$ <br> 3.36 | 43.0 2881 | 11.4 | 2.6\% | 428.9 | 12.4 | 2.8\% | 427.9 2862 | 13.4 | $3.0 \%$ 4.36 | 426.9 <br> 285 | 14.5 138 | 3.3\% | 42.8 | 15.5 | 3.5\% |
| ME 4 | $\begin{array}{r}375515 \\ 375515 \\ \hline\end{array}$ | 2018 2019 | Above Normal Below Normal | September October | Used in Summary Table Analysis Used in Summary Table Analysis | 299.0 207.2 | $\begin{aligned} & 289.1 \\ & 199.6 \end{aligned}$ | $\begin{aligned} & 9.8 \\ & 7.6 \end{aligned}$ | $\begin{aligned} & \begin{array}{l} 3.3 \% \\ 3.7 \% \end{array}, ~ \end{aligned}$ | 288.1 1988 | $\begin{aligned} & 10.8 \\ & 8.4 \end{aligned}$ | $3.6 \%$ $4.0 \%$ | $\begin{aligned} & 287.1 \\ & 198.1 \end{aligned}$ | $\begin{gathered} 11.8 \\ 9.1 \end{gathered}$ | $4.0 \%$ $4.4 \%$ | $\begin{aligned} & 286.2 \\ & 19.3 \end{aligned}$ | 12.8 9.9 | 4.3\% $4.8 \%$ | 285.2 196.6 | 13.8 10.6 | 4.6\% $5.1 \%$ | $\begin{aligned} & 284.2 \\ & 195.9 \end{aligned}$ | 14.8 11.3 | 5.9\% |
| ME 4 | 375515 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,609.0 | 6,603.1 | 5.9 | 0.1\% | 6,602.5 | 6.5 | 0.1\% | 6,601.9 | 7.2 | 0.1\% | 6,601.3 | 7.8 | 0.1\% | 6,600.7 | 8.3 | 0.1\% | 6,600.1 | 8.9 | 0.1\% |
| ME4 | 375515 | 2019 | Below Normal | December - |  | 14,641.2 | 14,635.4 | 5.8 | 0.0\% | 14,635.4 | 5.8 | 0.0\% | 14,634.3 | 6.9 | 0.0\% | 14,634.3 | 6.9 | 0.0\% | 14,634.3 | 6.9 | 0.0\% | 14,633.1 | 8.1 | 0.1\% |
| ME4 | 375515 | 2019 | Below Normal | January | -- | 35,169.0 | 35,164.4 | 4.6 | 0.0\% | 35,164.4 | 4.6 | 0.0\% | 35,164.4 | 4.6 | 0.0\% | 35,163.2 | 5.8 | 0.0\% | 35,163.2 | 5.8 | 0.0\% | 35,162.0 | 6.9 | 0.0\% |
| ME4 | 375515 | 2019 | Below Normal | February |  | 141, 863.4 | 141, 1863.4 | 0.0 | 0.0\% | 141,863.4 | 0.0 | 0.0\% | 141,863.4 | 0.0 | 0.0\% | 141, 1363.4 | 0.0 | 0.0\% | 141,863.4 | 0.0 | 0.0\% | 141, 1863.4 | 0.0 | 0.0\% |
| ME4 | 375515 | 2019 | Below Normal | March | - | 42,292.8 | 42,289.4 | 3.5 | 0.0\% | 42,289.4 | 3.5 | 0.0\% | 42,288.2 | 4.6 | 0.0\% | 42,288.2 | 4.6 | 0.0\% | 42,288.2 | 4.6 | 0.0\% | 42,287.0 | 5.8 | 0.0\% |
| ME4 | 375515 | 2019 | Below Normal | April | - | $15,265.0$ | 15,261.6 | 3.5 | 0.0\% | 15,260.4 | 4.6 | 0.0\% | 15,260.4 | 4.6 | 0.0\% | 15,260.4 | 4.6 | 0.0\% | 15,259.3 | 5.8 | 0.0\% | $15,259.3$ 16888 | 5.8 | 0.0\% |
| ME4 | 375515 | 2019 | Below Normal | May | - | 16,901.6 | 16,893.5 | 8.1 | 0.0\% | 16,892.4 | 9.3 | 0.1\% | 16,891.2 | 10.4 | 0.1\% | 16,890.0 | 11.6 | 0.1\% | 16,890.0 | 11.6 | 0.1\% | 16,888.9 | 12.7 | 0.1\% |
| ME4 | $\begin{array}{r}375515 \\ 37515 \\ \hline\end{array}$ | 2019 | Below Normal | June | - | $4,243.2$ 1,599 | $4,231.7$ <br> 1,348 | 11.5 | $0.3 \%$ $0.8 \%$ | $4,230.6$ 13469 | 12.6 | 0.3\% | $4,229.5$ <br> 1345 | 13.7 135 | 0.3\% | $4,228.4$ <br> 1,344 | 14.8 | 0.3\% | $4,227.2$ 1,3435 | 16.0 | 0.4\% | $4,226.0$ 1,3424 | 17.1 | 0.4\% |
| ME 4 ME 4 | 375515 375515 | 2019 | Below Normal Below Normal | July August | -- | $1,359.3$ 594.8 | $1,348.0$ 584.1 | 11.2 10.7 | $0.8 \%$ $1.8 \%$ | $1,346.9$ 583.0 | 12.4 11.7 | 0.9\% | $\underset{\text { l }}{\substack{1,3454.7}}$ | 13.5 12.8 1 | 1.0\% | $1,344.7$ 580.9 | 14.6 13.9 | 1.1.\% | 1,343.5 579.8 | 15.7 14.9 | ${ }^{1.2 \%}$ | $1,342.4$ 578.8 | 16.9 16.0 | 1.2\% |
| me4 | 375515 | 2019 | Below Normal | September | Used in Summary Table Analysis | 461.4 | 451.6 | 9.8 | 2.1\% | 450.6 | 10.8 | 2.3\% | 449.6 | 11.8 | 2.6\% | 448.6 | 12.8 | 2.8\% | 447.6 | 13.8 | 3.0\% | 446.6 | 14.7 | 3.2\% |
| me4 | 375515 | 2020 | Dry | October | Used in Summary Table Analysis | 355.0 | 347.8 | 7.2 | 2.0\% | 347.1 | 8.0 | 2.2\% | 346.4 | 8.7 | 2.4\% | 345.6 | 9.4 | 2.6\% | 344.9 | 10.1 | 2.9\% | 344.2 | 10.9 | 3.1\% |
| me 4 | 375515 | 2020 | Dry | November | Used in Summary Table Analysis | 317.5 | 311.9 | 5.6 | 1.8\% | 311.3 | 6.1 | 1.9\% | 310.8 | 6.7 | 2.1\% | 310.2 | 7.3 | 2.3\% | 309.6 | 7.8 | 2.5\% | 309.1 | 8.4 | 2.7\% |
| ME 4 | 37555 <br> 7515 | 2020 | Dry | December - |  | 13,247.7 | 13,243.1 | 4.6 | 0.0\% | 13,241.9 | 5.8 | 0.0\% | 13,241.9 | 5.8 | 0.0\% | 13,241.9 | 5.8 | 0.0\% | 13,240.7 | 6.9 | 0.1\% | 13,240.7 | ${ }^{6.9}$ | 0.1\% |
|  | 375515 | 2020 | Dry | January |  | 22,300.9 | 22,296.3 | 4.6 |  |  |  | 0.0\% |  | 5.8 | 0.0\% |  | 5.8 |  |  | 6.9 | 0.0\% |  |  | 0.0\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  |  |  |  |  |  | Existing Conditions |  |  | 10\% Pumping Increas |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) | Water Year | Water Year Type | Month | Note | Without Pumping (cfs) | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference |
| me 4 | 375515 | 2020 | Dry | February | - | 7,413.8 | 7,409.6 | 4.2 | 0.1\% | 7,409.1 | 4.6 | 0.1\% | 7,408.8 | 5.0 | 0.1\% | 7,408.3 | 5.4 | 0.1\% | 7,407.9 | 5.9 | 0.1\% | 7,407.5 | 6.3 | 0.1\% |
| me 4 | 375515 | 2020 | Dry | March | - | 7,238.9 | 7,235.0 | 3.9 | 0.1\% | 7,234,6 | 4.3 | 0.1\% | 7,234,1 | 4.7 | 0.1\% | 7,233.8 | 5.1 | 0.1\% | 7,233.3 | 5.6 | 0.1\% | 7,233.0 | 5.9 | 0.1\% |
| ME4 | 375515 | 2020 | Dry | April | - | 5,477.1 | 5,468.5 | 8.6 | 0.2\% | 5,467.7 | 9.4 | 0.2\% | 5,466.8 | 10.3 | 0.2\% | 5,466.0 | 11.1 | 0.2\% | 5,465.0 | 12.0 | 0.2\% | 5,464.2 | 12.8 | 0.2\% |
| me 4 | 375515 | 2020 | Dry | May | - | 7,369.3 | 7,359.0 | 10.3 | 0.1\% | 7,358.1 | 11.2 | 0.2\% | 7,357.1 | 12.3 | 0.2\% | 7,356.0 | 13.3 | 0.2\% | 7,355.0 | 14.4 | 0.2\% | 7,353.9 | 15.4 | 0.2\% |
| ME4 | 375515 | 2020 | Dry | June | - | 2,104.6 | 2,091.1 | 13.5 | 0.6\% | 2,089.8 | 14.8 | 0.7\% | 2,088.4 | 16.2 | 0.8\% | 2,087.0 | 17.6 | 0.8\% | 2,085.6 | 19.0 | 0.9\% | 2,084.4 | 20.3 | 1.0\% |
| me 4 | 375515 | 2020 | Dry | July | - | 795.6 | 782.5 | 13.1 | 1.5\% | 781.2 | 14.4 | 1.8\% | 779.9 | 15.7 | 2.0\% | 778.6 | 17.0 | 2.1\% | 777.3 | 18.3 | 2.3\% | 776.0 | 19.6 | 2.5\% |
| ME 4 | 375515 | 2020 | Dry | August | -- | 398.3 | 385.5 | 12.8 | 3.2\% | 384.2 | 14.1 | 3.5\% | 382.9 | 15.3 | 3.9\% | 381.6 | 16.6 | 4.2\% | 380.4 | 17.9 | 4.5\% | 379.1 | 19.2 | 4.8\% |
| me 4 | 375515 | 2020 | Dry | September | Used in Summary Table Analysis | 247.8 | 236.5 | 11.3 | 4.6\% | 235.4 | 12.4 | 5.0\% | 234.2 | 13.6 | 5.5\% | 233.1 | 14.7 | 5.9\% | 232.0 | 15.8 | 6.4\% | 230.8 | 16.9 | 6.8\% |
| me 4 | 365516 | 2000 | Above Normal | October | Used in Summary Table Analysis | 814.6 | 806.9 | 7.7 | 0.9\% | 806.1 | 8.5 | 1.0\% | 805.4 | 9.3 | 1.1\% | 804.6 | 10.0 | 1.2\% | 803.8 | 10.8 | 1.3\% | 803.1 | 11.6 | 1.4\% |
| ME4 | 365516 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,093.8 | 12,088.0 | 5.8 | 0.0\% | 12,086.8 | 6.9 | 0.1\% | 12,086.8 | 6.9 | 0.1\% | 12,085.6 | 8.1 | 0.1\% | 12,085.6 | 8.1 | 0.1\% | 12,084,5 | 9.3 | 0.1\% |
| me 4 | 365516 | 2000 | Above Normal | December - |  | 10,797.9 | 10,792.7 | 5.2 | 0.0\% | 10,792.2 | 5.7 | 0.1\% | 10,791.7 | 6.3 | 0.1\% | 10,791.2 | 6.7 | 0.1\% | 10,790.6 | 7.3 | 0.1\% | 10,790.2 | 7.8 | 0.1\% |
| me 4 | 365516 | 2000 | Above Normal | January | -- | 28,534.7 | 28,530.1 | 4.6 | 0.0\% | 28,58.9 | 5.8 | 0.0\% | 28,528.9 | 5.8 | 0.0\% | 28,528.9 | 5.8 | 0.0\% | 28,527.8 | 6.9 | 0.0\% | 28,527.8 | 6.9 | 0.0\% |
| ME4 | 365516 | 2000 | Above Normal | February | - | 37,015.0 | 37,010.4 | 4.6 | 0.0\% | 37,010.4 | 4.6 | 0.0\% | 37,009.3 | 5.8 | 0.0\% | 37,009.3 | 5.8 | 0.0\% | 37,008.1 | 6.9 | 0.0\% | 37,008.1 | 6.9 | 0.0\% |
| me 4 | 365516 | 2000 | Above Normal | March | - | 18,309.0 | 18,304.4 | 4.6 | 0.0\% | 18,304.4 | 4.6 | 0.0\% | 18,303.2 | 5.8 | 0.0\% | 18,303.2 | 5.8 | 0.0\% | 18,303.2 | 5.8 | 0.0\% | 18,302.1 | 6.9 | 0.0\% |
| ME4 | 365516 | 2000 | Above Normal | April | -- | 12,307.9 | 12,304.4 | 3.5 | 0.0\% | 12,304.4 | 3.5 | 0.0\% | 12,303.2 | 4.6 | 0.0\% | 12,303,2 | 4.6 | 0.0\% | 12,303.2 | 4.6 | 0.0\% | 12,302.1 | 5.8 | 0.0\% |
| me 4 | 365516 | 2000 | Above Normal | May | - | 7,089.7 | 7,081.1 | 8.6 | 0.1\% | 7,080.3 | 9.4 | 0.1\% | 7,079.5 | 10.2 | 0.1\% | 7,078.6 | 11.1 | 0.2\% | 7,077.8 | 11.9 | 0.2\% | 7,076.9 | 12.8 | 0.2\% |
| me 4 | 365516 | 2000 | Above Normal | June | - | 2,609.5 | 2,596.8 | 12.7 | 0.5\% | 2,595.5 | 14.0 | 0.5\% | 2,594.2 | 15.3 | 0.6\% | 2,592.9 | 16.6 | 0.6\% | 2,591.7 | 17.8 | 0.7\% | 2,590.4 | 19.1 | 0.7\% |
| ME4 | 365516 | 2000 | Above Normal | July | - | 990.8 | 979.4 | 11.4 | 1.1\% | 978.3 | 12.5 | 1.3\% | 977.1 | 13.6 | 1.4\% | 976.0 | 14.8 | 1.5\% | 974.9 | 15.9 | 1.6\% | 973.7 | 17.1 | 1.7\% |
| me4 | 365516 | 2000 | Above Normal | August | -- | 520.7 | 510.1 | 10.6 | 2.0\% | 509.0 | 11.7 | 2.2\% | 508.0 | 12.8 | 2.4\% | 506.9 | 13.8 | 2.7\% | 505.9 | 14.9 | 2.9\% | 504.8 | 15.9 | 3.1\% |
| ME4 4 | 365516 | 2000 | Above Normal | September | Used in Summary Table Analysis | 294.3 | 284.9 | 9.3 | 3.2\% | 284.0 | 10.3 | 3.5\% | 283.1 | 11.2 | 3.8\% | 282.2 | 12.1 | 4.1\% | 281.2 | 13.0 | 4.4\% | 280.3 | 14.0 | 4.8\% |
| me 4 | 365516 | 2001 | Dry | October | Used in Summary Table Analysis | 3,809.5 | 3,801.9 | 7.6 | 0.2\% | 3,800.2 | 8.3 | 0.2\% | 3,800.3 | 9.1 | 0.2\% | 3,799.5 | 10.0 | 0.3\% | 3,798.8 | 10.6 | 0.3\% | 3,798.0 | 11.5 | 0.3\% |
| me 4 | 365516 | 2001 | Dry | November | Used in Summary Table Analysis | 6,115.0 | 6,109.0 | 6.0 | 0.1\% | 6,108.4 | 6.6 | 0.1\% | 6,107.8 | 7.3 | 0.1\% | 6,107.2 | 7.9 | 0.1\% | 6,106.6 | 8.4 | 0.1\% | 6,105.9 | 9.1 | 0.1\% |
| ME 4 | 365516 | 2001 | Dry | December - |  | 8,829.5 | 8,824.2 | 5.3 | 0.1\% | 8,823.7 | 5.8 | 0.1\% | 8,823.1 | 6.4 | 0.1\% | ${ }^{8,8222.7}$ | 6.8 | 0.1\% | 8,822.1 | 7.4 | 0.1\% | $8,881.5$ | 8.0 | 0.1\% |
| me 4 | 365516 | 2001 | Dry | January | - | 12,773.1 | 12,768.5 | 4.6 | 0.0\% | 12,768.5 | 4.6 | 0.0\% | 12,768.5 | 4.6 | 0.0\% | 12,767.4 | 5.8 | 0.0\% | 12,767.4 | 5.8 | 0.0\% | 12,766.2 | 6.9 | 0.1\% |
| ME4 4 | 365516 | 2001 | Dry | February - | - | 17,460.6 | 17,457.2 | 3.5 | 0.0\% | 17,456.0 | 4.6 | 0.0\% | 17,456.0 | 4.6 | 0.0\% | 17,454.9 | 5.8 | 0.0\% | 17,454.9 | 5.8 | 0.0\% | 17,454.9 | 5.8 | 0.0\% |
| me 4 | 365516 | 2001 | Dry | March |  | 12,291.7 | 12,287.0 | 4.6 | 0.0\% | 12,287.0 | 4.6 | 0.0\% | 12,287.0 | 4.6 | 0.0\% | 12,285.9 | 5.8 | 0.0\% | 12,285.9 | 5.8 | 0.0\% | 12,285.9 | 5.8 | 0.0\% |
| me4 | 365516 | 2001 | Dry | April | - | 10,966.1 | 10,957.4 | 8.7 | 0.1\% | 10,956.5 | 9.6 | 0.1\% | 10,955.6 | 10.5 | 0.1\% | 10,954.7 | 11.3 | 0.1\% | 10,953.8 | 12.3 | 0.1\% | 10,953.0 | 13.1 | 0.1\% |
| me 4 | 365516 | 2001 | Dry | May | - | 2,637.0 | 2,626.7 | 10.3 | 0.4\% | 2,625.7 | 11.3 | 0.4\% | 2,624.7 | 12.4 | 0.5\% | 2,623.7 | 13.3 | 0.5\% | 2,622.7 | 14.4 | 0.5\% | 2,621.6 | 15.4 | 0.6\% |
| me 4 | 365516 | 2001 | Dry | June | - | 2,644.4 | 2,630.3 | 14.1 | 0.5\% | 2,628.9 | 15.5 | 0.6\% | 2,627.4 | 17.0 | 0.6\% | 2,626.0 | 18.4 | 0.7\% | 2,624.7 | 19.8 | 0.7\% | 2,623.3 | 21.2 | 0.8\% |
| ME4 4 | 365516 | 2001 | Dry | July | - | 718.2 | 705.2 | ${ }^{13.1}$ | 1.8\% | 703.9 | 14.4 | 2.0\% | 702.6 | 15.7 | 2.2\% | 701.3 | 17.0 | 2.4\% | 700.0 | 18.3 | 2.5\% | 698.7 | 19.6 | 2.7\% |
| me 4 | 365516 | 2001 | Dry | August | -- | 171.8 | 159.2 | 12.6 | 7.4\% | 157.9 | 13.9 | 8.1\% | 156.6 | 15.2 | 8.8\% | 155.4 | 16.4 | 9.6\% | 154.1 | 17.7 | 10.3\% | 152.8 | 19.0 | 11.0\% |
| me4 | 365516 | 2001 | Dry | September | Used in Summary Table Analysis | 94.6 | 83.4 | 11.2 | 11.8\% | 82.3 | 12.3 | 13.0\% | 81.2 | 13.4 | 14.2\% | 80.0 | 14.5 | 15.4\% | 78.9 | 15.7 | 16.6\% | 77.8 | 16.8 | 17.7\% |
| ME 4 | 365516 | 2002 | Below Normal | October | Used in Summary Table Analysis | 264.1 | 254.9 | 9.2 | 3.5\% | 254.0 | 10.1 | 3.8\% | 253.0 | 11.1 | 4.2\% | 252.1 | 12.0 | 4.5\% | 251.2 | 12.9 | 4.9\% | 250.2 | 13.9 | 5.2\% |
| me 4 | 365516 | 2002 | Below Normal | November | Used in Summary Table Analysis | 12,013.9 | 12,005.8 | 8.1 | 0.1\% | 12,005.8 | 8.1 | 0.1\% | 12,004,6 | 9.3 | 0.1\% | 12,004.6 | 9.3 | 0.1\% | 12,003.5 | 10.4 | 0.1\% | 12,002.3 | 11.6 | 0.1\% |
| ME4 4 | ${ }^{365556}$ | 2002 | Below Normal | December - | -- | 35,645.8 | 35,638.9 | 6.9 | 0.0\% | 35,638.9 | ${ }^{6.9}$ | 0.0\% | 35,637.7 | 8.1 | 0.0\% | 35,636.6 | 9.3 | 0.0\% | 35,636.6 | 9.3 | 0.0\% | 35,635.4 | 10.4 | 0.0\% |
| ME4 4 | 365516 | 2002 | Below Normal | January |  | 30,854.2 | 30,848.4 | 5.8 | 0.0\% | 30,848.4 | 5.8 | 0.0\% | 30,847.2 | 6.9 | 0.0\% | 30,847.2 | 6.9 | 0.0\% | 30,846.1 | 8.1 | 0.0\% | 30,846.1 | 8.1 | 0.0\% |
| ME 4 | 365516 365516 | 2002 | Below Normal | February | - | $24,663.2$ <br> 17,785 | 24,658.6 | 4.6 4 4 | 0.0\% | 24,657.4 | 5.8 58 | 0.0\% | $24,657.4$ P17,72. P | 5.8 58 | 0.0\% | 24,656.3 | ${ }_{6}^{6.9}$ | 0.0\% | 24,656.3 | ${ }_{6}^{6.9}$ | 0.0\% | $24,655.1$ 17760.4 | 8.1 | 0.0\% |
| ME 4 ME 4 | 365516 | 2002 | Below Normal | March April | - | 17,768.5 | ${ }_{\substack{17,763.9 \\ 9,912.2}}$ | $\begin{aligned} & 4.6 \\ & 8.7 \end{aligned}$ | 0.0\% | ${ }_{\substack{17,762.7 \\ 9,911.2}}$ | $\begin{aligned} & 5.8 \\ & 9.6 \end{aligned}$ | 0.0\% | 17,762.7 $9,910.3$ | $\begin{gathered} 5.8 \\ 10.5 \end{gathered}$ | 0.0\% | 17,761.6 9.909 .4 3 | 6.9 11.5 | 0.0\% | ${ }_{\substack{17,761.6 \\ 9,908.6 \\ 3}}$ | 6.9 12.3 | 0.0\% | $177,760.4$ $9,907.6$ | 8.1 13.2 | 0.0\% |
| ME 4 | 365516 | 2002 | Below Normal | May | -- | 3,317.9 | 3,307.6 | 10.3 | 0.3\% | 3,306.6 | 11.3 | 0.3\% | 3,305.6 | 12.4 | 0.4\% | 3,304.5 | 13.4 | 0.4\% | 3,303.5 | 14.5 | 0.4\% | 3,302.4 | 15.2 15.5 | 0.5\% |
| ME 4 | 365516 | 2002 | Below Normal | June | -- | 853.3 | 841.6 | 11.7 | 1.4\% | 840.4 | 12.8 | 1.5\% | 839.3 | 14.0 | 1.6\% | 838.1 | 15.2 | 1.8\% | 836.9 | 16.3 | 1.9\% | 835.8 | 17.5 | 2.0\% |
| me 4 | 365516 | 2002 | Below Normal | July | - | 361.7 | 350.0 | 11.7 | 3.2\% | 348.8 | 12.9 | 3.6\% | 347.6 | 14.1 | 3.9\% | 346.4 | 15.2 | 4.2\% | 345.3 | 16.4 | 4.5\% | 344.1 | 17.6 | 4.9\% |
| me 4 | 365516 | 2002 | Below Normal | August | -- | 226.2 | 215.3 | 10.9 | 4.8\% | 214.2 | 12.0 | 5.3\% | 213.1 | 13.1 | 5.8\% | 212.0 | 14.2 | 6.3\% | 210.9 | 15.3 | 6.8\% | 2098 | 16.4 | 7.3\% |
| ME 4 | 365516 | 2002 | Below Normal | September | Used in Summary Table Analysis | 163.0 | 152.8 | 10.3 | 6.3\% | 151.8 | 11.3 | 6.9\% | 150.7 | 12.3 | 7.5\% | 149.7 | 13.3 | 8.2\% | 148.7 | 14.4 | 8.8\% | 147.7 | 15.4 | 9.4\% |
| me 4 | 365516 | 2003 | Wet | October | Used in Summary Table Analysis | 128.0 | 119.8 | 8.3 | 6.4\% | 119.0 | 9.1 | 7.1\% | 118.1 | 9.9 | 7.7\% | 117.3 | 10.8 | 8.4\% | 116.5 | 11.6 | 9.0\% | 115.6 | 12.4 | 9.7\% |
| ME4 | 365516 | 2003 | Wet | November | Used in Summary Table Analysis | 895.0 | 888.4 | 6.6 | 0.7\% | 887.8 | 7.2 | 0.8\% | 887.1 | 7.9 | 0.9\% | 886.4 | 8.6 | 1.0\% | 885.8 | 9.2 | 1.0\% | 885.1 | 9.9 | 1.1\% |
| ME4 | 365516 | 2003 | Wet | December - | - | 56,730.3 | 56,724.5 | 5.8 | 0.0\% | 56,724.5 | 5.8 | 0.0\% | $56,723.4$ | 6.9 | 0.0\% | 56,723.4 | 6.9 | 0.0\% | 56,722.2 | 8.1 | 0.0\% | 56,722.2 | 8.1 | 0.0\% |
| ME 4 | 365516 | 2003 | Wet | January |  | 31,512.7 | 31,508.1 | 4.6 | 0.0\% | 31,506.9 | 5.8 | 0.0\% | 31,506.9 | 5.8 | 0.0\% | 31,505.8 | 6.9 | 0.0\% | 31,505.8 | 6.9 | 0.0\% | 31,504.6 | 8.1 | 0.0\% |
| ME 4 | 365516 | 2003 | Wet | February | - | 20,343.8 | 20,339.1 | 4.6 | 0.0\% | 20,339.1 | 4.6 | 0.0\% | 20,338.0 | 5.8 | 0.0\% | 20,338.0 | 5.8 | 0.0\% | 20,338.0 | 5.8 | 0.0\% | 20,336.8 | 6.9 | 0.0\% |
| ME4 4 | 365516 36516 | 2003 | Wet | March | - | 24,018.5 | 24,013.9 | 4.6 | 0.0\% | 24,013.9 | 4.6 | 0.0\% | 24,013.9 | 4.6 | 0.0\% | 24,012.7 | ${ }_{5}^{5.8}$ | 0.0\% | 24,012.7 | 5.8 5 | 0.0\% | 24,011.6 | ${ }^{6.9}$ | 0.0\% |
| ME 4 | 365516 | 2003 | Wet | April | - | 42,876.2 | $42,871.5$ | 4.6 | 0.0\% | 42,871.5 | 4.6 | 0.0\% | 42,871.5 | 4.6 | 0.0\% | 42,870.4 | 5.8 | 0.0\% | $42,870.4$ | 5.8 | 0.0\% | 42,870.4 | 5.8 | 0.0\% |
| ME 4 | 365516 <br> 365516 | 2003 | Wet | May | - | $12,219.9$ 1,165 1 | $12,210.6$ 1,154 1 | ${ }^{9.3}$ | ${ }^{0.1 \%}$ | 12,209.5 | 10.4 12.5 | 0.1\% $0.4 \%$ | $12,209.5$ 3,1519 | 10.4 13.7 | 0.1\% | 12,208.3 3,1507 1,498 | 11.6 14.8 | 0.1\% | $12,207.2$ $\begin{aligned} & 1,149.7\end{aligned}$ 1,462 | 12.7 15.9 | 0.1\% | $12,206.0$ $3,148.5$ 1,458 | 13.9 <br> 17.0 <br> 175 | 0.1\% |
| ME 4 ME 4 | 365516 365516 | 2003 2003 | Wet Wet | June July | $\cdots$ | $3,165.5$ $1,472.9$ | 3,154.1 $1,461.2$ | 11.5 11.7 | 0.4\% $0.8 \%$ | 3,153.0 $1,460.1$ | 12.5 <br> 12.8 | 0.4\% $0.9 \%$ | $3,151.9$ $1,458.9$ | 13.7 14.0 | 0.4\% $1.0 \%$ | $3,150.7$ <br> $1,457.8$ <br> 18.4 | 14.8 15.2 | 0.5\% $1.0 \%$ | $3,149.7$ $1,456.6$ | 15.9 16.3 | 0.5\% $1.1 \%$ | 3,148.5 $1,455.4$ | 17.0 17.5 | 0.5\% $1.2 \%$ $1.2 \%$ |
| me 4 | 365516 | 2003 | Wet | August | -- | 758.9 | 747.8 | 11.2 | 1.5\% | 746.7 | 12.3 | 1.6\% | 745.6 | 13.4 | 1.8\% | 744.4 | 14.5 | 1.9\% | 743.3 | 15.7 | 2.1\% | 742.1 | 16.8 | 2.2\% |
| me 4 | 365516 | 2003 | Wet | September | Used in Summary Table Analysis | 456.9 | 447.4 | 9.5 | 2.1\% | 446.5 | 10.4 | 2.3\% | 445.5 | 11.4 | 2.5\% | 444.6 | 12.3 | 2.7\% | 443.6 | 13.3 | 2.9\% | 442.7 | 14.2 | 3.1\% |
| me 4 | 365516 | 2004 | wet | October | Used in Summary Table Analysis | 323.9 | 316.1 | 7.7 | 2.4\% | 315.4 | 8.5 | 2.6\% | 314.6 | 9.3 | 2.9\% | 313.8 | 10.0 | 3.1\% | 313.0 | 10.8 | 3.3\% | 312.2 | 11.6 | 3.6\% |
| me 4 | 365516 | 2004 | Wet | November | Used in Summary Table Analysis | 5,794.2 | 5,788.1 | 6.1 | 0.1\% | 5,787.4 | ${ }^{6.8}$ | 0.1\% | 5,786.8 | 7.4 | 0.1\% | 5,786.2 | 8.0 | 0.1\% | 5,785.5 | 8.7 | 0.1\% | 5,785.0 | ${ }^{9.3}$ | 0.2\% |
| me4 | 365516 | 2004 | Wet | December - | -- | 36,273.1 | 36,267.4 | 5.8 | 0.0\% | 36,266.2 | 6.9 | 0.0\% | 36,266.2 | 6.9 | 0.0\% | 36,266.2 | 6.9 | 0.0\% | 36,265.0 | 8.1 | 0.0\% | 36,265.0 | 8.1 | 0.0\% |
| ME 4 | 365516 | 2004 | Wet | January | -- | 31,447.9 | 31,443.3 | 4.6 | 0.0\% | 31,433.3 | 4.6 | 0.0\% | 31,442.1 | 5.8 | 0.0\% | 31,442.1 | 5.8 | 0.0\% | 31,442.1 | 5.8 | 0.0\% | 31,441.0 | 6.9 | 0.0\% |
| ME 4 | 365516 | 2004 | Wet | February |  | 38,211.8 | 38,207.2 | 4.6 | 0.0\% | 38,207.2 | 4.6 | 0.0\% | 38,206.0 | 5.8 | 0.0\% | 38,206.0 | 5.8 | 0.0\% | 38,204.9 | 6.9 | 0.0\% | 38,204.9 | 6.9 | 0.0\% |
| me 4 | 365516 | 2004 | Wet | March | - | 16,519.7 | 16,515.0 | 4.6 | 0.0\% | 16,515.0 | 4.6 | 0.0\% | 16,515.0 | 4.6 | 0.0\% | 16,513.9 | 5.8 | 0.0\% | 16,513.9 | 5.8 | 0.0\% | 16,513.9 | 5.8 | 0.0\% |
| ME 4 | ${ }^{3655516}$ | 2004 | Wet | April | - | 9,447.1 | 9,443.2 | 3.9 | 0.0\% | 9,442.7 | 4.4 | 0.0\% | 9,442.4 | 4.7 | 0.1\% | 9,441.9 | 5.2 | 0.1\% | 9,441.6 | 5.6 | 0.1\% | 9,441.1 | 6.0 | 0.1\% |
|  | 365516 | 2004 | Wet | May | -- | 3,417.4 | 3,408.8 | 8.6 | 0.3\% | 3,407.9 | 9.5 | 0.3\% | 3,407.1 | 10.3 | 0.3\% | 3,406.3 | 11.1 | 0.3\% | 3,405.3 | 12.0 | 0.4\% | 3,404.5 | 12.8 | 0.4\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
EER River Valley Groundwater sustainability Plan
Humboldt County Grondwate Sur

|  | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Increase |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest |  |  |  | Note | Flow (cts) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (cts) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \substack{\text { Difference } \\ \text { (cfs) }} \end{gathered}$ | Percent Difference |
| ME4 | 365516 | 2004 | Wet |  | June | - | 691.3 | 680.5 | 10.8 | 1.6\% | 679.5 | 11.9 | 1.7\% | 678.4 | 12.9 | 1.9\% | 677.3 | 14.0 | 2.0\% | 676.3 | 15.1 | 2.2\% | 675.2 | 16.1 | 2.3\% |
| me4 | 365516 | 2004 | Wet | July | -- | 355.2 | 343.8 | 11.4 | 3.2\% | 342.7 | 12.5 | 3.5\% | 341.5 | 13.7 | 3.9\% | 340.4 | 14.8 | 4.2\% | 339.3 | 16.0 | 4.5\% | 338.1 | 17.1 | 4.8\% |
| ME4 | 365516 | 2004 | Wet | August | -- | 224.3 | 213.6 | 10.7 | 4.8\% | 212.6 | 11.7 | 5.2\% | 211.5 | 12.8 | 5.7\% | 210.4 | 13.9 | 6.2\% | 209.4 | 15.0 | 6.7\% | 208.3 | 16.0 | 7.1\% |
| me4 | 365516 | 2004 | Wet | September | Used in Summary Table Analysis | 161.4 | 151.4 | 10.1 | 6.2\% | 150.4 | 11.1 | 6.9\% | 149.4 | 12.1 | 7.5\% | 148.4 | 13.1 | 8.1\% | 147.3 | 14.1 | 8.7\% | 146.3 | 15.1 | 9.4\% |
| ME4 | 365516 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,671.2 | 7,663.3 | 7.9 | 0.1\% | 7,662.5 | 8.7 | 0.1\% | 7,661.7 | 9.5 | 0.1\% | 7,660.9 | 10.3 | 0.1\% | 7,660.1 | 11.1 | 0.1\% | 7,659.4 | 11.8 | 0.2\% |
| ME4 | 365516 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,255.4 | 2,249.3 | 6.1 | 0.3\% | 2,248.6 | 6.8 | 0.3\% | 2,248.0 | 7.4 | 0.3\% | 2,247.5 | 8.0 | 0.4\% | 2,246.8 | 8.7 | 0.4\% | 2,246.2 | 9.3 | 0.4\% |
| me4 | 365516 | 2005 | Above Normal | December - | -- | 20,995.4 | 20,990.7 | 4.6 | 0.0\% | 20,989.6 | 5.8 | 0.0\% | 20,989,6 | 5.8 | 0.0\% | 20,988.4 | 6.9 | 0.0\% | 20,988.4 | 6.9 | 0.0\% | 20,987.3 | 8.1 | 0.0\% |
| me4 | 365516 | 2005 | Above Normal | January | -- | 22,361.1 | 22,356.5 | 4.6 | 0.0\% | 22,355.3 | 5.8 | 0.0\% | 22,355.3 | 5.8 | 0.0\% | 22,354.2 | 6.9 | 0.0\% | 22,354.2 | 6.9 | 0.0\% | 22,354.2 | 6.9 | 0.0\% |
| me4 | 365516 | 2005 | Above Normal | February | -- | 14,006.9 | 14,002.3 | 4.6 | 0.0\% | 14,002.3 | 4.6 | 0.0\% | 14,002.3 | 4.6 | 0.0\% | 14,001.2 | 5.8 | 0.0\% | 14,001.2 | 5.8 | 0.0\% | 14,001.2 | 5.8 | 0.0\% |
| me4 | 365516 | 2005 | Above Normal | March | -- | 28,548.6 | 28,545.1 | 3.5 | 0.0\% | 28,544.0 | 4.6 | 0.0\% | 28,544.0 | 4.6 | 0.0\% | 28,544.0 | 4.6 | 0.0\% | 28,542.8 | 5.8 | 0.0\% | 28,542.8 | 5.8 | 0.0\% |
| me4 | 365516 | 2005 | Above Normal | April | - | 21,434.0 | 21,429.4 | 4.6 | 0.0\% | 21,429.4 | 4.6 | 0.0\% | 21,428.2 | 5.8 | 0.0\% | 21,428.2 | 5.8 | 0.0\% | 21,428.2 | 5.8 | 0.0\% | 21,427.1 | 6.9 | 0.0\% |
| ME4 | 365516 | 2005 | Above Normal | May | - | 19,555.6 | 19,547.5 | 8.1 | 0.0\% | 19,546.3 | 9.3 | 0.0\% | 19,545.1 | 10.4 | 0.1\% | 19,544.0 | 11.6 | 0.1\% | 19,544.0 | 11.6 | 0.1\% | 19,542.8 | 12.7 | 0.1\% |
| ME4 | 365516 | 2005 | Above Normal | June | - | 15,855.3 | 15,841.4 | 13.9 | 0.1\% | 15,840.3 | 15.0 | 0.1\% | 15,839.1 | 16.2 | 0.1\% | 15,838.0 | 17.4 | 0.1\% | 15,836.8 | 18.5 | 0.1\% | 15,835.6 | 19.7 | 0.1\% |
| me4 | 365516 | 2005 | Above Normal | July | - | 2,864.0 | 2,852.2 | 11.8 | 0.4\% | 2,850.9 | 13.1 | 0.5\% | 2,849.8 | 14.2 | 0.5\% | 2,848.6 | 15.4 | 0.5\% | 2,847.5 | 16.6 | 0.6\% | 2,846.3 | 17.7 | 0.6\% |
| ME4 | 365516 | 2005 | Above Normal | August | -- | 981.8 | 971.1 | 10.7 | 1.1\% | 970.0 | 11.7 | 1.2\% | 969.0 | 12.8 | 1.3\% | 967.9 | 13.9 | 1.4\% | 966.8 | 14.9 | 1.5\% | 965.8 | 16.0 | 1.6\% |
| me4 | 365516 | 2005 | Above Normal | September | Used in Summary Table Analysis | 523.3 | 514.0 | 9.3 | 1.8\% | 513.1 | 10.3 | 2.0\% | 512.1 | 11.2 | 2.1\% | 511.2 | 12.1 | 2.3\% | 510.3 | 13.1 | 2.5\% | 509.3 | 14.0 | 2.7\% |
| ME4 | 365516 | 2006 | Wet | October | Used in Summary Table Analysis | 632.9 | ${ }^{625.5}$ | 7.5 | 1.2\% | 624.7 | 8.2 | 1.3\% | ${ }^{624.0}$ | 9.0 | 1.4\% | 623.2 | 9.7 | 1.5\% | ${ }^{622.5}$ | 10.5 | 1.7\% | 621.7 | 11.2 | 1.8\% |
| ME4 | 365516 | 2006 | Wet | November | Used in Summary Table Analysis | 9,291.6 | 9,285.8 | 5.8 | 0.1\% | 9,285.2 | 6.4 | 0.1\% | 9,284.6 | 6.9 | 0.1\% | 9,284.0 | 7.5 | 0.1\% | 9,283.3 | 8.2 | 0.1\% | 9,282.8 | 8.8 | 0.1\% |
| me4 | 365516 | 2006 | wet | December - |  | 43,451.4 | 43,466.8 | 4.6 | 0.0\% | 43,445.6 | 5.8 | 0.0\% | 43,445.6 | 5.8 | 0.0\% | 43,444.4 | 6.9 | 0.0\% | 43,444.4 | 6.9 | 0.0\% | 43,444.4 | 6.9 | 0.0\% |
| ME4 | 365516 | 2006 | Wet | January | - | 46,256.9 | 46,252.3 | 4.6 | 0.0\% | 46,251.2 | 5.8 | 0.0\% | 46,251.2 | 5.8 | 0.0\% | 46,250.0 | 6.9 | 0.0\% | 46,250.0 | 6.9 | 0.0\% | 46,250.0 | 6.9 | 0.0\% |
| me4 | 365516 | 2006 | Wet | February | -- | 26,601.9 | 26,597.2 | 4.6 | 0.0\% | 26,596.1 | 5.8 | 0.0\% | 26,596.1 | 5.8 | 0.0\% | 26,596.1 | 5.8 | 0.0\% | 26,594.9 | 6.9 | 0.0\% | 26,594.9 | 6.9 | 0.0\% |
| ME4 4 | 365516 | 2006 | Wet | March | - | 47,126.2 | $47,121.5$ | 4.6 | 0.0\% | 47,121.5 | 4.6 | 0.0\% | 47,120.4 | 5.8 | 0.0\% | 47,120.4 | 5.8 | 0.0\% | 47,120.4 | 5.8 | 0.0\% | 47,119.2 | 6.9 | 0.0\% |
| ME4 | 365516 | 2006 | Wet | April | - | 30,415.5 | 30,412.0 | 3.5 | 0.0\% | 30,412.0 | 3.5 | 0.0\% | 30,410.9 | 4.6 | 0.0\% | 30,410.9 | 4.6 | 0.0\% | 30,410.9 | 4.6 | 0.0\% | 30,409.7 | 5.8 | 0.0\% |
| me4 | 365516 | 2006 | wet | May | - | 14,200.2 | 14,194.4 | 5.8 | 0.0\% | 14,194.4 | 5.8 | 0.0\% | 14,193.3 | 6.9 | 0.0\% | 14,193.3 | 6.9 | 0.0\% | 14,193.3 | 6.9 | 0.0\% | 14,192.1 | 8.1 | 0.1\% |
| me4 | 365516 | 2006 | Wet | June | - | 3,546.8 | 3,536.0 | 10.8 | 0.3\% | 3,535.0 | 11.8 | 0.3\% | 3,533.9 | 12.8 | 0.4\% | 3,532.8 | 14.0 | 0.4\% | 3,531.7 | 15.0 | 0.4\% | 3,530.7 | 16.1 | 0.5\% |
| me4 | 365516 | 2006 | Wet | July | -- | 1,277.8 | 1,266.6 | 11.2 | 0.9\% | 1,265.4 | 12.4 | 1.0\% | 1,264.2 | 13.5 | 1.1\% | 1,263.1 | 14.7 | 1.2\% | 1,262.0 | 15.7 | 1.2\% | 1,260.9 | 16.9 | 1.3\% |
| ME4 | 365516 | 2006 | Wet | August | - | 663.9 | 653.0 | 10.9 | 1.6\% | 651.9 | 12.0 | 1.8\% | 650.8 | 13.1 | 2.0\% | 649.7 | 14.2 | 2.1\% | 648.6 | 15.3 | 2.3\% | 647.5 | 16.4 | 2.5\% |
| ME4 | 365516 | 2006 | Wet | September | Used in Summary Table Analysis | 424.9 | 415.5 | 9.4 | 2.2\% | 414.6 | 10.4 | 2.4\% | 413.6 | 11.3 | 2.7\% | 412.7 | 12.3 | 2.9\% | 411.7 | 13.2 | 3.1\% | 410.8 | 14.2 | 3.3\% |
| me4 | 365516 | 2007 | Above Normal | October | Used in Summary Table Analysis | 273.4 | 265.8 | 7.6 | 2.8\% | 265.0 | 8.4 | 3.1\% | 264.3 | 9.1 | 3.3\% | 263.5 | 9.9 | 3.6\% | 262.8 | 10.6 | 3.9\% | 262.0 | 11.4 | 4.2\% |
| ME4 | 365516 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,653.9 | 8,647.9 | 6.0 | 0.1\% | 8,647.3 | 6.6 | 0.1\% | 8,646.6 | 7.3 | 0.1\% | 8,646.1 | 7.9 | 0.1\% | 8,645.5 | 8.4 | 0.1\% | 8,644.9 | 9.0 | 0.1\% |
| me4 | 365516 | 2007 | Above Normal | December - |  | 20,385.4 | 20,379.6 | 5.8 | 0.0\% | 20,379.6 | 5.8 | 0.0\% | 20,378.5 | 6.9 | 0.0\% | 20,378.5 | 6.9 | 0.0\% | 20,377.3 | 8.1 | 0.0\% | 20,377.3 | 8.1 | 0.0\% |
| ME4 4 | 365516 | 2007 | Above Normal | January | - | 10,245.1 | 10,240.3 | 4.9 | 0.0\% | 10,239.8 | 5.3 | 0.1\% | 10,239.4 | 5.8 | 0.1\% | 10,238.9 | 6.3 | 0.1\% | 10,238.4 | 6.7 | 0.1\% | 10,238.0 | 7.2 | 0.1\% |
| ME4 | 365516 | 2007 | Above Normal | February |  | 30,544.0 | 30,539.4 | 4.6 | 0.0\% | 30,538.2 | 5.8 | 0.0\% | 30,538.2 | 5.8 | 0.0\% | 30,537.0 | 6.9 | 0.0\% | 30,537.0 | 6.9 | 0.0\% | 30,537.0 | 6.9 | 0.0\% |
| ME4 | 365516 365516 | 2007 | Above Normal | March | - | 13,097.2 | ${ }_{1}^{13,0922.6}$ | 4.6 8.4 | 0.0\% | 13,092.6 | 4.6 | ${ }^{0.0 \%}$ | 13,092.6 | 4.6 101 | ${ }^{0.0 \%}$ | $13,091.4$ 11.5191 | 5.8 | ${ }^{0.0 \%}$ | $13,091.4$ 11,518. | 5.8 | ${ }^{0.0 \%}$ | 13,090.3 | 6.9 | ${ }^{0.1 \%}$ |
| ME4 | 365516 | 2007 | Above Normal | April | -- | 11,530.1 | $11,521.6$ | 8.4 | 0.1\% | 11,520.8 | 9.3 | 0.1\% | 11,520.0 | 10.1 | 0.1\% | 11,519.1 | 11.0 | 0.1\% | 11,518.3 | 11.8 | 0.1\% | 11,517.5 | 12.6 | 0.1\% |
| me4 | 365516 | 2007 | Above Normal | May | - | 4,138.0 | 4,127.9 | 10.1 | 0.2\% | 4,127.0 | 11.0 | 0.3\% | 4,125.9 | 12.0 | 0.3\% | 4,124.9 | 13.1 | 0.3\% | 4,124.0 | 14.0 | 0.3\% | 4,122.9 | 15.0 | 0.4\% |
| ME4 | 365516 | 2007 | Above Normal | June | -- | 1,497.2 | 1,485.2 | 12.0 | 0.8\% | 1,483.9 | 13.3 | 0.9\% | 1,482.8 | 14.5 | 1.0\% | 1,481.6 | 15.6 | 1.0\% | 1,480.3 | 16.9 | ${ }^{1.1 \%}$ | 1,479.2 | 18.1 | 1.2\% |
| ME4 | 365516 | 2007 | Above Normal | July | - | 495.5 | 483.5 | 12.0 | 2.4\% | 482.3 | 13.2 | 2.7\% | 481.1 | 14.4 | 2.9\% | 479.9 | 15.6 | 3.1\% | 478.7 | 16.8 | 3.4\% | 477.5 | 18.0 | 3.6\% |
| me4 | 365516 | 2007 | Above Normal | August | -- | 222.2 | 211.4 | 10.7 | 4.8\% | 210.4 | 11.8 | 5.3\% | 2093 | 12.9 | 5.8\% | 208.2 | 13.9 | 6.3\% | 207.2 | 15.0 | 6.8\% | 206.1 | 16.1 | 7.2\% |
| ME4 | 365516 | 2007 | Above Normal | September | Used in Summary Table Analysis | 149.8 | 139.8 | 10.1 | 6.7\% | 138.8 | 11.1 | 7.4\% | 137.7 | 12.1 | 8.1\% | 136.7 | 13.1 | 8.7\% | 135.7 | 14.1 | 9.4\% | 134.7 | 15.1 | 10.1\% |
| me4 | 365516 | 2008 | Dry | October | Used in Summary Table Analysis | 3,429.2 | 3,421.1 | 8.1 | 0.2\% | 3,420.3 | 8.9 | 0.3\% | 3,419.4 | 9.7 | 0.3\% | 3,418.6 | 10.5 | 0.3\% | 3,417.8 | 11.3 | 0.3\% | 3,417.0 | 12.2 | 0.4\% |
| ME4 | 365516 | 2008 | Dry | November | Used in Summary Table Analysis | 3,270.7 | 3,264.5 | 6.3 | 0.2\% | 3,263.8 | ${ }^{6.9}$ | 0.2\% | 3,263.2 | 7.5 | 0.2\% | ${ }^{3,262.6}$ | 8.1 | ${ }^{0.2 \%}$ | 3,261.9 | 8.8 | 0.3\% | 3,261.3 | 9.4 | 0.3\% |
| ME4 | 365516 | 2008 | Dry | December - |  | 23,093.8 | 23,088.0 | 5.8 | 0.0\% | 23,088.0 | 5.8 | 0.0\% | 23,086.8 | 6.9 | 0.0\% | 23,086.8 | 6.9 | 0.0\% | 23,085.6 | 8.1 | 0.0\% | 23,085.6 | 8.1 | 0.0\% |
| ME4 | 365516 365516 | 2008 | Dry | January | - | $37,500.0$ <br> 26, <br> 1539 | $37,495.4$ <br> 26,593 <br> 11 | 4.6 4.6 | 0.0\% | $37,494.2$ <br> 262593 <br> 12 | 5.8 4 4.6 | 0.0\% |  | 5.8 5 5 | 0.0\% | $37,493.1$ <br> 36,2581 <br> 10, | 6.9 58 | 0.0\% |  | 6.9 58 | 0.0\% |  | ${ }_{6}^{6.9}$ | ${ }^{\text {0.0\% }}$ |
| ME4 | 365516 | 2008 | Dry | February - |  | 26,263.9 | 26,259.3 | 4.6 | 0.0\% | 26,259.3 | 4.6 | 0.0\% | 26,258.1 | 5.8 | 0.0\% | 26,258.1 | 5.8 | 0.0\% | 26,258.1 | 5.8 | 0.0\% | 26,256.9 | 6.9 | 0.0\% |
| ME 4 | 365516 365516 | 2008 2008 | Dry | March | -- | ${ }_{\substack{11,791.7 \\ 9,014.1}}^{1}$ | 11,787.0 $9,005,6$ 1,050 | 4.6 8.6 | 0.0\% | 11,787.0 | 4.6 <br> .5 | 0.0\% | 11,785.9 9 9,038 | 5.8 <br> 10.3 <br> 10.0 | ${ }_{\text {0, }}^{0.0 \%}$ | 11,785.9 | 5.8 11.2 11.2 | 0.0\% |  | 5.8 120 120 | 0.0\% | ¢11,784.7 | 6.9 128 | 0.1\% |
| ME 4 ME 4 | 365516 365516 | 2008 2008 | Dry Dry | April May | $\cdots$ | $9,014.1$ $1,360.2$ | 9,005.6 $1,351.0$ | 8.6 9.1 | 0.0.1\% | 9,004.6 $1,350.1$ | 9.5 10.1 | -0.1\% | 9,003.8 $1,399.2$ | 10.3 11.0 | 0.1\% | $9,002.9$ $1,348.3$ | 11.2 11.9 | - $0.1 \%$ | 9,002.1 $1,347.3$ | 12.0 12.8 | - | 9,001.3 $1,346.5$ | 12.8 13.7 | 0.1\% 1.0\% |
| me4 | 365516 | 2008 | Dry | June | -- | 437.2 | ${ }_{424.1}$ | 13.1 | 3.0\% | 422.8 | 14.4 | 3.3\% | 421.5 | 15.7 | 3.6\% | 420.2 | 17.0 | 3.9\% | 418.9 | 18.3 | 4.2\% | 417.6 | 19.6 | 4.5\% |
| ME 4 | 365516 | 2008 | Dry | July | - | 255.4 | 242.7 | 12.7 | 5.0\% | 241.4 | 14.0 | 5.5\% | 240.1 | 15.3 | 6.0\% | 238.9 | 16.6 | 6.5\% | ${ }^{237.6}$ | 17.8 | 7.0\% | ${ }^{236.3}$ | 19.1 | 7.5\% |
| ME4 | 365516 | 2008 | Dry | August | -- | 178.8 | 166.5 | 12.3 | 6.9\% | 165.2 | 13.5 | 7.6\% | 164.0 | 14.8 | 8.3\% | 162.8 | 16.0 | 8.9\% | 161.6 | 17.2 | 9.6\% | 160.3 | 18.4 | 10.3\% |
| ME4 | 365516 | 2008 | Dry | September | Used in Summary Table Analysis | 140.4 | 128.7 | 11.7 | 8.4\% | 127.5 | 12.9 | 9.2\% | 126.4 | 14.1 | 10.0\% | 125.2 | 15.3 | 10.9\% | 124.0 | 16.4 | 11.7\% | 122.8 | 17.6 | 12.5\% |
| me4 | 365516 | 2009 | Critical | October | Used in Summary Table Analysis | 923.1 | 914.0 | 9.1 | 1.0\% | 913.1 | 10.0 | 1.1\% | 912.2 | 10.9 | 1.2\% | 911.3 | 11.9 | 1.3\% | 910.3 | 12.8 | 1.4\% | 909.4 | 13.7 | 1.5\% |
| me4 | 365516 | 2009 | Critical | November | Used in Summary Table Analysis | 5,503.7 | 5,496.6 | 7.1 | 0.1\% | 5,495.9 | 7.8 | 0.1\% | 5,495.3 | 8.4 | 0.2\% | 5,494.6 | 9.1 | 0.2\% | 5,493.9 | 9.8 | 0.2\% | 5,493.2 | 10.5 | 0.2\% |
| ME4 | 365516 | 2009 | Critical | December - |  | 12,149.3 | 12,143.5 | 5.8 | 0.0\% | 12,142.4 | 6.9 | 0.1\% | 12,142.4 | 6.9 | 0.1\% | 12,141.2 | 8.1 | 0.1\% | 12,141.2 | 8.1 | 0.1\% | 12,140.0 | 9.3 | 0.1\% |
| ME4 | 365516 | 2009 | Critical | January | -- | 8,792.2 | 8,786.7 | 5.6 | 0.1\% | 8,786.1 | 6.1 | 0.1\% | 8,785.5 | 6.7 | 0.1\% | 8,785.0 | 7.3 | 0.1\% | 8,784.4 | 7.9 | 0.1\% | 8,783.9 | 8.3 | 0.1\% |
| ME4 | 365516 | 2009 | Critical | February - | - | 22,601.9 | 22,597.2 | 4.6 | 0.0\% | 22,596.1 | 5.8 | 0.0\% | 22,596.1 | 5.8 | 0.0\% | 22,594.9 | ${ }^{6.9}$ | 0.0\% | 22,594.9 | 6.9 | 0.0\% | 22,593.8 | 8.1 | 0.0\% |
| ME4 | 365516 | 2009 | Critical | March | - | 21,112.3 | 21,107.6 | 4.6 | 0.0\% | 21,107.6 | 4.6 | 0.0\% | ${ }^{21,106.5}$ | 5.8 | 0.0\% | 21,106.5 | 5.8 | 0.0\% | 21,105.3 | 6.9 | 0.0\% | ${ }^{21,105.3}$ | ${ }^{6.9}$ | 0.0\% |
| ME4 | 365516 365516 | 2009 | Critical Critical | April | $\cdots$ | $10,096.1$ 15 15787 | ${ }^{10,087.2}$ | 8.9 | ${ }^{0.1 \%}$ | $10,086.2$ 15667 | ${ }^{9} 9.8$ | ${ }^{0.1 \%}$ | $10,085.4$ 15566 | 10.6 | ${ }_{\text {0.1\% }}^{0.1 \%}$ | $10,084.6$ <br> 15.544 | 11.5 | ${ }^{0.1 \%}$ | $10,083.7$ <br> 15,563 | 12.4 | ${ }^{0.1 \%}$ | $10,082.8$ 15.525 | 13.3 | ${ }_{\text {0.1\% }}^{0.1 \%}$ |
| ME 4 ME4 d | 365516 36516 | 2009 2009 | Critical Critical | May June | - | 15,578.7 | 15,568.3 | 10.4 | 0.1\% | 15,567.1 | 11.6 | 0.1\% | 15,566.0 | 12.7 | 0.1\% | $15,564.8$ 3,1417 | 13.9 | 0.1\% | $15,563.7$ 3,1403 | 15.0 | 0.1\% | 15,562.5 | 16.2 | 0.0.1\% |
| ME4 4 | 365516 | 2009 | Critical | July | -- | 1,262.2 | 1,249.2 | 13.0 | 1.0\% | $1,547.1$ $1,247.9$ | 14.2 | 1.1\% | 1, 1246.6 | 15.5 | 1.2\% | 1,245.4 | 16.8 | 1.3\% | ${ }_{1}^{1,244.1}$ | 18.1 | 1.4\% | 1,242.8 | 19.3 | 1.5\% |
| ME4 4 | 365516 | 2009 | Critical | August | -- | 668.0 | 655.6 | 12.4 | 1.9\% | 654.3 | 13.6 | 2.0\% | 653.1 | 14.9 | 2.2\% | 651.9 | 16.1 | 2.4\% | 650.6 | 17.3 | 2.6\% | 649.4 | 18.6 | 2.8\% |
| ME4 | 365516 | 2009 | Critical | September | Used in Summary Table Analysis | 389.3 | 378.3 | 11.0 | 2.8\% | 377.2 | 12.1 | 3.1\% | 376.1 | 13.2 | 3.4\% | 375.0 | 14.3 | 3.7\% | 373.9 | 15.3 | 3.9\% | 372.9 | 16.4 | 4.2\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | Model Cell (Row, Column, Surface Wat Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | Existing Conditions |  |  | \% Pumping Increase |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 5\% Pumping Inc |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\underset{\substack{\text { Fiffew } \\ \text { Difersce }}}{\text { (cts) }}$ | Percent Difference Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference |
| ME4 | 365516 | 2010 | Below Normal |  | October | Used in Summary Table Analysis | 6,087.3 | 6,078.0 | 9.3 | 0.2\% | 6,077.1 | 10.2 | 0.2\% | 6,076.2 | 11.1 | 0.2\% | 6,075.2 | 12.0 | 0.2\% | 6,074.3 | 13.0 | 0.2\% | 6,073.4 | 13.9 | 0.2\% |
| ME4 | 365516 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,285.4 | 8,278.1 | 7.3 | 0.1\% | 8,277.4 | 8.0 | 0.1\% | $8,276.7$ | 8.7 | 0.1\% | 8,276.0 | 9.4 | 0.1\% | 8,275.2 | 10.2 | 0.1\% | 8,274.5 | 10.9 | 0.1\% |
| me4 | 365516 | 2010 | Below Normal | December | -- | 12,346,1 | 12,340.3 | 5.8 | 0.0\% | 12,339.1 | 6.9 | 0.1\% | 12,339.1 | 6.9 | 0.1\% | 12,38.0 | 8.1 | 0.1\% | 12,365,8 | 9.3 | 0.1\% | 12,366.8 | 9.3 | 0.1\% |
| ME 4 | 365516 | 2010 | Below Normal | January | - | 36,206.0 | 36,200.2 | 5.8 | 0.0\% | 36,200.2 | 5.8 | 0.0\% | 36,199.1 | 6.9 | 0.0\% | 36,199.1 | 6.9 | 0.0\% | 36,197.9 | 8.1 | 0.0\% | 36,197.9 | 8.1 | 0.0\% |
| ME4 | 365516 | 2010 | Below Normal | February | - | 27,237.3 | 27,232.6 | 4.6 | 0.0\% | 27,232.6 | 4.6 | 0.0\% | 27,231.5 | 5.8 | 0.0\% | 27,231.5 | 5.8 | 0.0\% | 27,230.3 | 6.9 | 0.0\% | 27,230.3 | 6.9 | 0.0\% |
| ME4 | 365516 | 2010 | Below Normal | March | - | 28,831.0 | 28,826.4 | 4.6 | 0.0\% | 28,825.2 | 5.8 | 0.0\% | 28,825.2 | 5.8 | 0.0\% | 28,824.1 | 6.9 | 0.0\% | 28,824.1 | 6.9 | 0.0\% | 28,824.1 | 6.9 | 0.0\% |
| ME4 | 365516 | 2010 | Below Normal | April | - | 40,002.3 | 39,997.7 | 4.6 | 0.0\% | 39,996.5 | 5.8 | 0.0\% | 39,996.5 | 5.8 | 0.0\% | 39,996.5 | 5.8 | 0.0\% | 39,995.4 | 6.9 | 0.0\% | 39,995.4 | 6.9 | 0.0\% |
| ME4 | 365516 | 2010 | Below Normal | may | - | 20,260.4 | 20,251.2 | 9.3 | 0.0\% | 20,250.0 | 10.4 | 0.1\% | 20,250.0 | 10.4 | 0.1\% | 20,248.8 | 11.6 | 0.1\% | 20,247.7 | 12.7 | 0.1\% | 20,246.5 | 13.9 | 0.1\% |
| ME4 | 365516 | 2010 | Below Normal | June | - | 9,343.6 | 9,330.2 | 13.4 | 0.1\% | 9,328.9 | 14.7 | 0.2\% | 9,327.5 | 16.1 | 0.2\% | 9,326.3 | 17.4 | 0.2\% | 9,324.9 | 18.8 | 0.2\% | 9,323.6 | 20.0 | 0.2\% |
| ME4 | 365516 | 2010 | Below Normal | July | - | 1,454.1 | 1,442.1 | 11.9 | 0.8\% | 1,440.9 | 13.2 | 0.9\% | 1,439.7 | 14.4 | 1.0\% | 1,438.5 | 15.5 | 1.1\% | 1,437.3 | 16.8 | 1.2\% | 1,436.1 | 17.9 | 1.2\% |
| ME4 | 365516 | 2010 | Below Normal | August | -- | 567.8 | 556.8 | 11.0 | 1.9\% | 555.7 | 12.1 | 2.1\% | 554.6 | 13.2 | 2.3\% | 553.5 | 14.3 | 2.5\% | 552.5 | 15.3 | 2.7\% | 551.4 | 16.4 | 2.9\% |
| ME4 | 365516 | 2010 | Below Normal | September | Used in Summary Table Analysis | 649.9 | 639.5 | 10.3 | 1.6\% | 638.5 | 11.4 | 1.7\% | 637.5 | 12.4 | 1.9\% | 636.4 | 13.4 | 2.1\% | 635.4 | 14.5 | 2.2\% | 634.4 | 15.5 | 2.4\% |
| ME4 | 365516 | 2011 | Wet | October | Used in Summary Table Analysis | 9,628.8 | 9,621.1 | 7.8 | 0.1\% | 9,620.4 | 8.4 | 0.1\% | 9,619.6 | 9.3 | 0.1\% | 9,618.8 | 10.1 | 0.1\% | 9,617.9 | 10.9 | 0.1\% | 9,617.2 | 11.6 | 0.1\% |
| ME4 | 365516 | 2011 | Wet | November | Used in Summary Table Analysis | 14,215.3 | 14,209.5 | 5.8 | 0.0\% | 14,208.3 | 6.9 | 0.0\% | 14,208.3 | 6.9 | 0.0\% | 14,207.2 | 8.1 | 0.1\% | 14,207.2 | 8.1 | 0.1\% | 14,206.0 | 9.3 | 0.1\% |
| ME4 | 365516 | 2011 | Wet | December | -- | 33,681.7 | 33,677.1 | 4.6 | 0.0\% | 33,67.9 | 5.8 | 0.0\% | 33,675.9 | 5.8 | 0.0\% | 33,674.8 | 6.9 | 0.0\% | 33,674.8 | 6.9 | 0.0\% | 33,673.6 | 8.1 | 0.0\% |
| ME4 | 365516 | 2011 | Wet | January | - | 14,152.8 | 14,148.1 | 4.6 | 0.0\% | 14,148.1 | 4.6 | 0.0\% | 14,147.0 | 5.8 | 0.0\% | 14,147.0 | 5.8 | 0.0\% | 14,147.0 | 5.8 | 0.0\% | 14,145.8 | 6.9 | 0.0\% |
| ME4 | 365516 | 2011 | Wet | February |  | 20,763.9 | 20,759.3 | 4.6 | 0.0\% | 20,759.3 | 4.6 | 0.0\% | 20,759.3 | 4.6 | 0.0\% | 20,758.1 | 5.8 | 0.0\% | 20,758.1 | 5.8 | 0.0\% | 20,756.9 | 6.9 | 0.0\% |
| ME4 | 365516 | 2011 | Wet | March | - | 51,994.2 | 51,989.6 | 4.6 | 0.0\% | 51,989.6 | 4.6 | 0.0\% | 51,989.6 | 4.6 | 0.0\% | 51,988.4 | 5.8 | 0.0\% | 51,988.4 | 5.8 | 0.0\% | 51,987.3 | 6.9 | 0.0\% |
| ME4 | 365516 | 2011 | Wet | April | - | 24,799.3 | 24,792.8 | 3.5 | 0.0\% | 24,791.7 | 4.6 | 0.0\% | 24,791.7 | 4.6 | 0.0\% | 24,790.5 | 5.8 | 0.0\% | 24,790.5 | 5.8 | 0.0\% | 24,790.5 | 5.8 | 0.0\% |
| ME4 | 365516 | 2011 | Wet | May | - | 11,381.0 | 11,372.5 | 8.6 | 0.1\% | 11,371.5 | 9.5 | 0.1\% | 11,370.7 | 10.3 | 0.1\% | 11,369.8 | 11.2 | 0.1\% | 11,368.9 | 12.2 | 0.1\% | 11,368.1 | 13.0 | 0.1\% |
| ME4 | 365516 | 2011 | Wet | June | - | 7,054.7 | 7,041.8 | 13.0 | 0.2\% | 7,040.4 | 14.4 | 0.2\% | 7,039.1 | 15.6 | 0.2\% | 7,037.8 | 16.9 | 0.2\% | 7,036.6 | 18.2 | 0.3\% | 7,035.2 | 19.6 | 0.3\% |
| ME4 | 365516 | 2011 | Wet | July | - | 1,828.5 | 1,815.6 | 12.8 | 0.7\% | 1,814.4 | 14.1 | 0.8\% | 1,813.1 | 15.4 | 0.8\% | 1,811.8 | 16.7 | 0.9\% | 1,810.5 | 17.9 | 1.0\% | 1,809.3 | 19.2 | 1.1\% |
| ME4 | 365516 | 2011 | Wet | August | -- | 776.0 | 765.1 | 10.8 | 1.4\% | 764.1 | 11.9 | 1.5\% | 763.0 | 13.0 | 1.7\% | 761.9 | 14.1 | 1.8\% | 760.8 | 15.2 | 2.0\% | 759.7 | 16.2 | 2.1\% |
| ME4 | 365516 | 2011 | Wet | September | Used in Summary Table Analysis | 432.5 | 422.8 | 9.8 | 2.3\% | 421.8 | 10.7 | 2.5\% | 420.8 | 11.7 | 2.7\% | 419.8 | 12.7 | 2.9\% | 418.9 | 13.7 | 3.2\% | 417.9 | 14.6 | 3.4\% |
| ME4 | 365516 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,539.2 | 4,531.4 | 7.9 | 0.2\% | 4,530.6 | 8.7 | 0.2\% | 4,529.7 | 9.5 | 0.2\% | 4,528.9 | 10.3 | 0.2\% | 4,528.2 | 11.0 | 0.2\% | 4,527.4 | 11.8 | 0.3\% |
| ME4 | 365516 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,233.7 | 8,227.4 | 6.3 | 0.1\% | 8,226.9 | 6.8 | 0.1\% | 8,226.2 | 7.5 | 0.1\% | 8,225.6 | 8.1 | 0.1\% | 8,224.9 | 8.8 | 0.1\% | 8,224.3 | 9.4 | 0.1\% |
| ME4 | 365516 | 2012 | Below Normal | December |  | 5,181.6 | 5,176.3 | 5.3 | 0.1\% | 5,175.7 | 5.9 | 0.1\% | 5,175.1 | 6.5 | 0.1\% | 5,174.7 | 6.9 | 0.1\% | 5,174.1 | 7.5 | 0.1\% | 5,173.5 | 8.1 | 0.2\% |
| ME4 | 365516 | 2012 | Below Normal | January | - | 20,104.2 | 20,098.4 | 5.8 | 0.0\% | 20,098.4 | 5.8 | 0.0\% | 20,098.4 | 5.8 | 0.0\% | 20,097.2 | 6.9 | 0.0\% | 20,097.2 | 6.9 | 0.0\% | 20,096.1 | 8.1 | 0.0\% |
| ME4 | 365516 | 2012 | Below Normal | February | - | 18,209.5 | 18,204.9 | 4.6 | 0.0\% | 18,204.9 | 4.6 | 0.0\% | 18,204.9 | 4.6 | 0.0\% | 18,203.7 | 5.8 | 0.0\% | 18,203.7 | 5.8 | 0.0\% | 18,203.7 | 5.8 | 0.0\% |
| ME4 | 365516 | 2012 | Below Normal | March | - | 45,410.9 | 45,406.3 | 4.6 | 0.0\% | 45,406.3 | 4.6 | 0.0\% | 45,406.3 | 4.6 | 0.0\% | 45,405.1 | 5.8 | 0.0\% | 45,405.1 | 5.8 | 0.0\% | 45,405.1 | 5.8 | 0.0\% |
| ME4 | 365516 | 2012 | Below Normal | April | - | 26,855.3 | 26,850.7 | 4.6 | 0.0\% | 26,850.7 | 4.6 | 0.0\% | 26,849.5 | 5.8 | 0.0\% | 26,849.5 | 5.8 | 0.0\% | 26,849.5 | 5.8 | 0.0\% | 26,848.4 | 6.9 | 0.0\% |
| ME4 | 365516 | 2012 | Below Normal | May | - | 7,482.1 | 7,473.4 | 8.7 | 0.1\% | 7,472.5 | 9.6 | 0.1\% | 7,471.6 | 10.4 | 0.1\% | 7,470.7 | 11.3 | 0.2\% | 7,469.9 | 12.2 | 0.2\% | 7,469.1 | 13.0 | 0.2\% |
| ME4 | 365516 | 2012 | Below Normal | June | - | 5,513.9 | 5,500.6 | 13.3 | 0.2\% | 5,499.3 | 14.6 | 0.3\% | 5,497.9 | 16.0 | 0.3\% | 5,496.6 | 17.2 | 0.3\% | 5,495.3 | 18.6 | 0.3\% | 5,494.0 | 19.9 | 0.4\% |
| ME4 | 365516 | 2012 | Below Normal | July | - | 2,222.7 | 2,210.3 | 12.4 | 0.6\% | 2,209.1 | 13.5 | 0.6\% | 2,207.9 | 14.8 | 0.7\% | 2,206.6 | 16.1 | 0.7\% | 2,205.4 | 17.2 | 0.8\% | 2,204.2 | 18.5 | 0.8\% |
| ME4 | 365516 | 2012 | Below Normal | August | -- | 387.9 | 377.9 | 10.0 | 2.6\% | 376.9 | 10.9 | 2.8\% | 375.9 | 11.9 | 3.1\% | 374.9 | 12.9 | 3.3\% | 374.0 | 13.9 | 3.6\% | 373.0 | 14.9 | 3.8\% |
| ME4 | 365516 | 2012 | Below Normal | September | Used in Summary Table Analysis | 248.2 | 2395 | 8.8 | 3.5\% | 238.6 | 9.7 | 3.9\% | 237.7 | 10.5 | 4.2\% | 236.8 | 11.4 | 4.6\% | 235.9 | 12.3 | 5.0\% | 235.1 | 13.2 | 5.3\% |
| ME4 | 365516 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,910.4 | 1,902.9 | 7.5 | 0.4\% | 1,902.1 | 8.3 | 0.4\% | 1,901.3 | 9.1 | 0.5\% | 1,900.6 | 9.8 | 0.5\% | 1,899.8 | 10.6 | 0.6\% | 1,899.1 | 11.3 | 0.6\% |
| ME4 | 365516 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,677.1 | 14,671.3 | 5.8 | 0.0\% | 14,671.3 | 5.8 | 0.0\% | 14,670.1 | 6.9 | 0.0\% | 14,670.1 | 6.9 | 0.0\% | 14,669.0 | 8.1 | 0.1\% | 14,669.0 | 8.1 | 0.1\% |
| ME4 | 365516 | 2013 | Below Normal | December | -- | 59,974.5 | 59,968.8 | 5.8 | 0.0\% | 59,968.8 | 5.8 | 0.0\% | 59,967.6 | 6.9 | 0.0\% | 59,967.6 | 6.9 | 0.0\% | 59,966.4 | ${ }^{8.1}$ | 0.0\% | 59,966.4 | 8.1 | 0.0\% |
| ME4 | 365516 | 2013 | Below Normal | January | -- | 22,196.8 | 22,192.1 | 4.6 | 0.0\% | 22,192.1 | 4.6 | 0.0\% | 22,191.0 | 5.8 | 0.0\% | 22,191.0 | 5.8 | 0.0\% | 22,189.8 | 6.9 | 0.0\% | 22,189.8 | 6.9 | 0.0\% |
| ME4 | 365516 | 2013 | Below Normal | February | -- | 8,843.3 | 8,838.9 | 4.4 | 0.0\% | 8,838.4 | 4.9 | 0.1\% | 8,838.0 | 5.3 | 0.1\% | 8,837.5 | 5.8 | 0.1\% | 8,837.2 | 6.1 | 0.1\% | 8,836.7 | 6.6 | 0.1\% |
| ME4 | 365516 | 2013 | Below Normal | March | - | 10,326.4 | 10,322.1 | 4.3 | 0.0\% | 10,321.8 | 4.6 | 0.0\% | 10,321.3 | 5.1 | 0.0\% | 10,320.8 | 5.6 | 0.1\% | 10,320.4 | 6.0 | 0.1\% | 10,320.0 | 6.4 | 0.1\% |
| ME4 | 365516 | 2013 | Below Normal | April | - | 8,289.9 | 8,281.6 | 8.3 | 0.1\% | 8,280.8 | 9.1 | 0.1\% | 8,280.0 | 10.0 | 0.1\% | 8,279.2 | 10.8 | 0.1\% | 8,278.4 | 11.6 | 0.1\% | 8,277.4 | 12.5 | 0.2\% |
| ME4 | 365516 | 2013 | Below Normal | May | - | 4,429.4 | 4,419.4 | 10.0 | 0.2\% | 4,418.4 | 11.0 | 0.2\% | 4,417.5 | 11.9 | 0.3\% | 4,416.4 | 13.0 | 0.3\% | 4,415.5 | 13.9 | 0.3\% | 4,414.5 | 14.9 | 0.3\% |
| ME4 | 365516 | 2013 | Below Normal | June | - | 2,109.8 | 2,097.9 | 11.9 | 0.6\% | 2,096.8 | 13.1 | 0.6\% | 2,095.5 | 14.4 | 0.7\% | 2,094.3 | 15.5 | 0.7\% | 2,093.2 | 16.7 | 0.8\% | 2,091.9 | 17.9 | 0.9\% |
| ME4 | 365516 | 2013 | Below Normal | July | - | 717.9 | 706.4 | 11.5 | 1.6\% | 705.3 | 12.7 | 1.8\% | 704.1 | 13.8 | 1.9\% | 703.0 | 15.0 | 2.1\% | 701.8 | 16.1 | 2.2\% | 700.7 | 17.2 | 2.4\% |
| ME4 | 365516 | 2013 | Below Normal | August | - | 339.6 | 328.9 | 10.7 | 3.1\% | 327.8 | 11.8 | 3.5\% | 326.7 | 12.8 | 3.8\% | 325.7 | 13.9 | 4.1\% | 324.6 | 15.0 | 4.4\% | 323.6 | 16.0 | 4.7\% |
| ME4 | 365516 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,783.8 | 4,772.8 | 11.0 | 0.2\% | 4,771.6 | 12.2 | 0.3\% | 4,770.6 | 13.2 | 0.3\% | 4,769.4 | 14.4 | 0.3\% | 4,768.4 | 15.4 | 0.3\% | 4,767.2 | 16.6 | 0.3\% |
| ME4 4 | ${ }^{365556}$ | 2014 | Critical | October | Used in Summary Table Analysis | 281.1 | 273.1 | 8.0 | 2.8\% | 272.3 | 8.8 | 3.1\% | 271.5 | 9.5 | 3.4\% | 270.7 | 10.3 | 3.7\% | 269.9 | ${ }^{11.1}$ | 4.0\% | 269.2 | 11.9 | 4.2\% |
| ME4 | 365516 | 2014 | Critical | November | Used in Summary Table Analysis | 1,536.8 | 1,530.6 | 6.3 | 0.4\% | 1,529.9 | 6.9 | 0.5\% | 1,529.2 | 7.6 | 0.5\% | 1,528.6 | 8.2 | 0.5\% | 1,527.9 | 8.9 | 0.6\% | 1,527.3 | 9.5 | 0.6\% |
| ME4 4 | 365516 | 2014 | Critical | December |  | 1,589.1 | 1,583.4 | 5.7 | 0.4\% | 1,583.0 | ${ }^{6.1}$ | 0.4\% | 1,582.4 | ${ }_{6}^{6.7}$ | 0.4\% | 1,581.8 | 7.3 | 0.5\% | $1,581.3$ | 7.9 | 0.5\% | $1,580.7$ | 8.4 | 0.5\% |
|  | 365516 | 2014 | Critical | January | - | 2,820.1 | 2,815.2 | 5.0 | 0.2\% | 2,814.7 | 5.4 | 0.2\% | 2,814.2 | 5.9 | 0.2\% | 2,813.7 | 6.5 | 0.2\% | 2,813.2 | 6.9 | 0.2\% | 2,812.7 | 7.4 | 0.3\% |
| ME 4 ME 4 | 365516 365516 | 2014 | Critical Critical | February March A | - | 15.748 .8 314815 | $15,744.2$ 314769 | 4.6 4.6 | 0.0\% | 15,744.2 | 4.6 4.6 | 0.0\% | 15.743 .1 $31,475.7$ | 5.8 5.8 | - $0.0 \%$ | 15,743.1 $31,475.7$ | 5.8 5.8 | - $0.0 \%$ | $15,743.1$ 31.474 .5 10.6 | 5.8 6.9 | 0.0\% | $15,741.9$ 31474.5 12 | 6.9 6.9 | -0.0\% |
| ME4 | 365516 | 2014 | Critical | April | - | 12,988.4 | 12,980.3 | 8.1 | 0.1\% | 12,979.2 | 9.3 | 0.1\% | 12,978.0 | 10.4 | 0.1\% | 12,976.9 | 11.6 | 0.1\% | 12,976.9 | 11.6 | 0.1\% | 12,975.7 | 12.7 | 0.1\% |
| ME4 | 365516 | 2014 | Critical | May | - | 5,187.3 | 5,176.7 | 10.5 | 0.2\% | 5,175.7 | 11.6 | 0.2\% | 5,174.7 | 12.6 | 0.2\% | 5,173.5 | 13.8 | 0.3\% | 5,172.5 | 14.8 | 0.3\% | 5,771.4 | 15.9 | 0.3\% |
| ME4 | 365516 | 2014 | Critical | June | - | 1,197.6 | 1,183,2 | 14.4 | 1.2\% | 1,181.7 | 15.9 | 1.3\% | 1,180.3 | 17.2 | 1.4\% | 1,178.8 | 18.8 | 1.6\% | 1,177.4 | 20.1 | 1.7\% | 1,176.0 | 21.5 | 1.8\% |
| ME4 | 365516 | 2014 | Critical | July | - | 545.7 | 532.5 | 13.1 | 2.4\% | 531.2 | 14.4 | 2.6\% | 529.9 | 15.8 | 2.9\% | 528.6 | 17.1 | 3.1\% | 527.3 | 18.4 | 3.4\% | 526.0 | 19.6 | 3.6\% |
| ME4 | 365516 | 2014 | Critical | August | -- | 347.5 | 335.1 | 12.4 | 3.6\% | 333.9 | 13.7 | 3.9\% | 332.6 | 14.9 | 4.3\% | 331.4 | 16.1 | 4.6\% | 330.1 | 17.4 | 5.0\% | 328.9 | 18.6 | 5.4\% |
| me4 | 365516 | 2014 | Critical | September | Used in Summary Table Analysis | 2,572.3 | 2,560.2 | 12.2 | 0.5\% | 2,559.0 | 13.3 | 0.5\% | 2,557.8 | 14.6 | 0.6\% | 2,556.6 | 15.7 | 0.6\% | 2,555.4 | 16.9 | 0.7\% | 2,554.2 | 18.2 | 0.7\% |
| me4 | 365516 | 2015 | Dry | October | Used in Summary Table Analysis | 11,358.0 | 11,399.0 | 9.0 | 0.1\% | 11,388.0 | 10.0 | 0.1\% | 11,347.1 | 10.9 | 0.1\% | 11,345.5 | 12.5 | 0.1\% | 11,344.7 | 13.3 | 0.1\% | 11,343.8 | 14.2 | 0.1\% |
| ME4 | 365516 | 2015 | Dry | November | Used in Summary Table Analysis | 9,035.6 | 9,028.7 | 6.9 | 0.1\% | 9,028.0 | 7.6 | 0.1\% | 9,027.3 | 8.3 | 0.1\% | $9,026.6$ | 9.0 | 0.1\% | 9,025.9 | 9.7 | 0.1\% | 9,025.2 | 10.4 | 0.1\% |
| ME4 | 365516 | 2015 | Dry | December | -- | 32,605.3 | 32,599.5 | 5.8 | 0.0\% | 32,598.4 | 6.9 | 0.0\% | 32,598.4 | 6.9 | 0.0\% | 32,597.2 | 8.1 | 0.0\% | 32,597.2 | 8.1 | 0.0\% | 32,596.1 | 9.3 | 0.0\% |
| ME4 | 365516 | 2015 | Dry | January |  | 14,576.4 | 14,570.6 | 5.8 | 0.0\% | 14,570.6 | 5.8 | 0.0\% | 14,569.4 | 6.9 | 0.0\% | 14,569.4 | 6.9 | 0.0\% | 14,568.3 | 8.1 | 0.1\% | 14,568.3 | 8.1 | 0.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flowwithout Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column <br> Surface Water <br> Reach) |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiffew } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) |  | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Fifference } \\ \text { (ffs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| me 4 | 365516 | 2015 | Dry |  | February | -- | 27,229.2 | 27,224.5 | 4.6 | 0.0\% | 27,223.4 | 5.8 | 0.0\% | 27,223.4 | 5.8 | 0.0\% | 27,223.4 | 5.8 | 0.0\% | 27,222.2 | 6.9 | 0.0\% | 27,222.2 | 6.9 | 0.0\% |
| ME4 | 365516 | 2015 | Dry | March | - | 11,570.0 | 11,565.6 | 4.4 | 0.0\% | 11,565.3 | 4.7 | 0.0\% | 11,564.8 | 5.2 | 0.0\% | 11,564.4 | 5.7 | 0.0\% | 11,563.9 | 6.1 | 0.1\% | 11,563.4 | 6.6 | 0.1\% |
| ME4 | 365516 | 2015 | Dry | April |  | 8,383.6 | 8,374.9 | 8.7 | 0.1\% | 8,374.0 | 9.6 | 0.1\% | 8,373.1 | 10.4 | 0.1\% | 8,372.2 | 11.3 | 0.1\% | 8,371.4 | 12.2 | 0.1\% | 8,370.5 | 13.1 | 0.2\% |
| me 4 | 365516 | 2015 | Dry | May | - | 1,509.1 | 1,498.7 | 10.4 | 0.7\% | 1,497.8 | 11.3 | 0.8\% | 1,496.8 | 12.4 | 0.8\% | 1,495.7 | 13.4 | 0.9\% | 1,494.7 | 14.5 | 1.0\% | 1,493.6 | 15.5 | 1.0\% |
| ME4 | 365516 | 2015 | Dry | June | - | 652.4 | 639.1 | 13.3 | 2.0\% | 637.8 | 14.6 | 2.2\% | 636.4 | 16.0 | 2.4\% | 635.1 | 17.3 | 2.7\% | 633.8 | 18.6 | 2.9\% | 632.5 | 19.9 | 3.1\% |
| ME4 | 365516 | 2015 | Dry | July | - | 268.4 | 255.6 | 12.9 | 4.8\% | 254.3 | 14.1 | 5.3\% | 253.0 | 15.4 | 5.7\% | 251.7 | 16.7 | 6.2\% | 25.4 | 18.0 | 6.7\% | 24.2 | 19.3 | 7.2\% |
| ME4 | 365516 | 2015 | Dry | August | -- | 166.0 | 153.6 | 12.3 | 7.4\% | 152.4 | 13.6 | 8.2\% | 151.2 | 14.8 | 8.9\% | 149.9 | 16.0 | 9.7\% | 148.7 | 17.3 | 10.4\% | 147.5 | 18.5 | 11.1\% |
| ME4 | 365516 | 2015 | Dry | September | Used in Summary Table Analysis | 120.3 | 109.4 | 11.0 | 9.1\% | 108.3 | 12.0 | 10.0\% | 107.2 | 13.1 | 10.9\% | 106.1 | 14.2 | 11.8\% | 105.0 | 15.3 | 12.7\% | 103.9 | 16.4 | 13.7\% |
| ME4 | 365516 | 2016 | Above Normal | October | Used in Summary Table Analysis | 85.7 | 76.5 | 9.3 | 10.8\% | 75.5 | 10.2 | 11.9\% | 74.6 | 11.2 | 13.0\% | 74.2 | 11.5 | 13.4\% | 73.4 | 12.3 | 14.3\% | 72.1 | 13.6 | 15.9\% |
| ME4 | 365516 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,862.8 | 3,855.8 | 7.1 | 0.2\% | 3,855.1 | 7.8 | 0.2\% | 3,854.4 | 8.4 | 0.2\% | 3,853.7 | 9.1 | 0.2\% | 3,852.9 | 10.0 | 0.3\% | 3,852.2 | 10.6 | 0.3\% |
| ME4 | 365516 | 2016 | Above Normal | December | -- | 36,60.3 | 36,598.4 | 6.9 | 0.0\% | 36,598.4 | 6.9 | 0.0\% | 36,597.2 | 8.1 | 0.0\% | 36,597.2 | 8.1 | 0.0\% | 36,596.1 | 9.3 | 0.0\% | 36,594.9 | 10.4 | 0.0\% |
| ME4 | 365516 | 2016 | Above Normal | January | -- | 57,302.1 | 57,297.5 | 4.6 | 0.0\% | 57,296.3 | 5.8 | 0.0\% | 57,296.3 | 5.8 | 0.0\% | 57,295.1 | 6.9 | 0.0\% | 57,294.0 | 8.1 | 0.0\% | 57,294.0 | 8.1 | 0.0\% |
| ME4 | 365516 | 2016 | Above Normal | February | -- | 24,267.4 | 24,261.6 | 5.8 | 0.0\% | 24,261.6 | 5.8 | 0.0\% | 24,261.6 | 5.8 | 0.0\% | 24,260.4 | 6.9 | 0.0\% | 24,260.4 | 6.9 | 0.0\% | 24,259.3 | 8.1 | 0.0\% |
| ME4 | 365516 | 2016 | Above Normal | March | - | 41,770.8 | 41,766.2 | 4.6 | 0.0\% | 41,765.0 | 5.8 | 0.0\% | 41,765.0 | 5.8 | 0.0\% | 41,763.9 | 6.9 | 0.0\% | 41,763.9 | 6.9 | 0.0\% | 41,763.9 | 6.9 | 0.0\% |
| ME4 | 365516 | 2016 | Above Normal | April | - | 18,535.9 | 18,532.4 | 3.5 | 0.0\% | 18,531.3 | 4.6 | 0.0\% | 18,531.3 | 4.6 | 0.0\% | 18,530.1 | 5.8 | 0.0\% | 18,530.1 | 5.8 | 0.0\% | 18,530.1 | 5.8 | 0.0\% |
| ME4 | 365516 | 2016 | Above Normal | May | - | 5,214.9 | 5,209.7 | 5.2 | 0.1\% | 5,209.1 | 5.8 | 0.1\% | 5,208.7 | 6.3 | 0.1\% | 5,208.1 | 6.8 | 0.1\% | 5,207.5 | 7.4 | 0.1\% | 5,207.1 | 7.9 | 0.2\% |
| ME4 | 365516 | 2016 | Above Normal | June | - | 1,509.0 | 1,498.6 | 10.4 | 0.7\% | 1,497.6 | 11.5 | 0.8\% | 1,496.6 | 12.4 | 0.8\% | 1,495.6 | 13.4 | 0.9\% | 1,494.6 | 14.5 | 1.0\% | 1,993.5 | 15.5 | 1.0\% |
| ME4 | 365516 | 2016 | Above Normal | July | - | 822.4 | 811.1 | 11.3 | 1.4\% | 809.9 | 12.5 | 1.5\% | 808.8 | 13.6 | 1.7\% | 807.7 | 14.7 | 1.8\% | 806.5 | 15.9 | 1.9\% | 805.4 | 17.0 | 2.1\% |
| ME4 | 365516 | 2016 | Above Normal | August | -- | 490.9 | 48.0 | 11.0 | 2.2\% | 478.9 | 12.1 | 2.5\% | 477.8 | 13.2 | 2.7\% | 476.7 | 14.3 | 2.9\% | 475.6 | 15.4 | 3.1\% | 474.5 | 16.5 | 3.4\% |
| ME4 | 365516 | 2016 | Above Normal | September | Used in Summary Table Analysis | 327.3 | 317.7 | 9.7 | 3.0\% | 316.7 | 10.6 | 3.2\% | 315.7 | 11.6 | 3.5\% | 314.7 | 12.6 | 3.8\% | 313.8 | 13.6 | 4.1\% | 312.8 | 14.5 | 4.4\% |
| ME4 | 365516 | 2017 | Wet | October | Used in Summary Table Analysis | 18,277.8 | 18,269.7 | 8.1 | 0.0\% | 18,268.5 | 9.3 | 0.1\% | 18,268.5 | 9.3 | 0.1\% | 18,267.4 | 10.4 | 0.1\% | 18,266.2 | 11.6 | 0.1\% | 18,266.2 | 11.6 | 0.1\% |
| me4 | 365516 | 2017 | Wet | November | Used in Summary Table Analysis | 18,817.1 | 18,811.3 | 5.8 | 0.0\% | 18,810.2 | 6.9 | 0.0\% | 18,810.2 | 6.9 | 0.0\% | 18,809.0 | 8.1 | 0.0\% | 18,809.0 | 8.1 | 0.0\% | 18,807.9 | 9.3 | 0.0\% |
| ME4 | 365516 | 2017 | Wet | December |  | 24,100.7 | 24,096.1 | 4.6 | 0.0\% | 24,094.9 | 5.8 | 0.0\% | 24,094.9 | 5.8 | 0.0\% | 24,093.8 | 6.9 | 0.0\% | 24,093.8 | 6.9 | 0.0\% | 24,092.6 | 8.1 | 0.0\% |
| ME4 | 365516 | 2017 | Wet | January | -- | 106,866.9 | 106,861.1 | 5.8 | 0.0\% | 106,861.1 | 5.8 | 0.0\% | 106,861.1 | 5.8 | 0.0\% | 106,860.0 | 6.9 | 0.0\% | 106,860.0 | 6.9 | 0.0\% | 106,85.8 | 8.1 | 0.0\% |
| ME4 | 365516 | 2017 | Wet | February | - | 81,818.3 | $81,813.7$ | 4.6 | 0.0\% | 81,813.7 | 4.6 | 0.0\% | $81,812.5$ | 5.8 | 0.0\% | 81,812.5 | 5.8 | 0.0\% | ${ }^{81,811.3}$ | ${ }^{6.9}$ | 0.0\% | 81,811.3 | ${ }^{6.9}$ | 0.0\% |
| ME4 | 365516 | 2017 | Wet | March |  | 27,268.5 | 27,265.0 | 3.5 | 0.0\% | 27,263.9 | 4.6 | 0.0\% | 27,263.9 | 4.6 | 0.0\% | 27,263.9 | 4.6 | 0.0\% | 27,262.7 | 5.8 | 0.0\% | 27,262.7 | 5.8 | 0.0\% |
| ME4 | 365516 | 2017 | Wet | April | -- | 22,929.4 | 22,925.9 | 3.5 | 0.0\% | 22,925.9 | 3.5 | 0.0\% | 22,924.8 | 4.6 | 0.0\% | 22,924.8 | 4.6 | 0.0\% | 22,924.8 | 4.6 | 0.0\% | 22,923,6 | 5.8 | 0.0\% |
| ME4 | 365516 | 2017 | Wet | May | - | 6,273.3 | 6,267.9 | 5.3 | 0.1\% | 6,267.4 | 5.9 | 0.1\% | 6,266.8 | 6.5 | 0.1\% | 6,266.2 | 7.1 | 0.1\% | 6,265.7 | 7.5 | 0.1\% | 6,265.2 | 8.1 | 0.1\% |
| ME4 | 365516 | 2017 | Wet | June | - | 2,115.4 | 2,104.9 | 10.5 | 0.5\% | 2,103.8 | 11.6 | 0.5\% | 2,102.7 | 12.7 | 0.6\% | 2,101.6 | 13.8 | 0.7\% | 2,100.6 | 14.8 | 0.7\% | 2,099.5 | 15.9 | 0.7\% |
| ME4 4 | 365516 | 2017 | Wet | July | - | 933.4 | 921.9 | 11.4 | 1.2\% | 920.8 | 12.6 | 1.3\% | 919.6 | 13.7 | 1.5\% | 918.5 | 14.9 | 1.6\% | 917.4 | 16.0 | 1.7\% | 916.2 | 17.2 | 1.8\% |
| ME4 | 365516 | 2017 | Wet | August | -- | 505.5 | 494.5 | 11.0 | 2.2\% | 493.4 | 12.1 | 2.4\% | 492.3 | 13.2 | 2.6\% | 491.2 | 14.3 | 2.8\% | 490.1 | 15.4 | 3.0\% | 489.0 | 16.5 | 3.3\% |
| ME4 | 365516 | 2017 | Wet | September | Used in Summary Table Analysis | 321.8 | 311.8 | 10.1 | 3.1\% | 310.8 | 11.1 | 3.4\% | 309.7 | 12.1 | 3.8\% | 308.7 | 13.1 | 4.1\% | 307.7 | 14.1 | 4.4\% | 306.7 | 15.1 | 4.7\% |
| ME4 | 365516 | 2018 | Above Normal | October | Used in Summary Table Analysis | 274.6 | 267.5 | 7.0 | 2.6\% | 266.4 | 8.2 | 3.0\% | 265.5 | 9.1 | 3.3\% | 264.4 | 10.2 | 3.7\% | 263.5 | 11.1 | 4.0\% | 262.7 | 11.9 | 4.3\% |
| ME4 | 365516 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,780.4 | 10,774.3 | 6.1 | 0.1\% | 10,773.7 | 6.7 | 0.1\% | 10,773.0 | 7.4 | 0.1\% | 10,772.5 | 8.0 | 0.1\% | 10,771.9 | 8.6 | 0.1\% | 10,771.2 | 9.3 | 0.1\% |
| ME4 | 365516 | 2018 | Above Normal | December | -- | 5,445.5 | 5,440.3 | 5.2 | 0.1\% | 5,439.7 | 5.8 | 0.1\% | 5,439.2 | 6.3 | 0.1\% | 5,438.7 | ${ }^{6.8}$ | 0.1\% | 5,438.2 | 7.3 | 0.1\% | 5,437.6 | 7.9 | 0.1\% |
| ME4 | 365516 | 2018 | Above Normal | January |  | 17,761.6 | 17,756.9 | 4.6 | 0.0\% | 17,756.9 | 4.6 | 0.0\% | 17,755.8 | 5.8 | 0.0\% | 17,755.8 | 5.8 | 0.0\% | 17,755.8 | 5.8 | 0.0\% | 17,754.6 | 6.9 | 0.0\% |
| ME 4 | 365516 <br> 36516 | 2018 | Above Normal | February | -- | $7,597.1$ <br> 206875 | 7,592.9 | 4.2 35 | 0.1\% | $7,592.5$ 2082. | 4.6 | 0.1\% | 7,592.1 20,629 | 5.0 4.6 | ${ }^{0.1 \%}$ | $7,591.7$ 20,629 | 5.4 4.6 | ${ }^{0.1 \%}$ | $7,591.2$ 206817 | 5.9 5 58 | 0.1\% | $7,590.9$ 20,617 | ${ }_{5}^{6.3}$ | 0.1\% |
| ME4 | 365516 | 2018 | Above Normal Above Normal | $\underset{\substack{\text { March } \\ \text { April }}}{ }$ | - | 20,687.5 | 20,684.0 | 3.5 | 0.0\% | 20,682.9 | 4.6 | 0.0\% | 20,682.9 | $\begin{aligned} & 4.6 \\ & 4.6 \end{aligned}$ | $0.0 \%$ $0.0 \%$ 0 | 20,682.9 | $\begin{aligned} & 4.6 \\ & 5.8 \end{aligned}$ | - | 20,681.7 | 5.8 58 5 | 0.0\% $0.0 \%$ 0.08 | 20,681.7 | 5.8 5.8 | 0.0\% |
| ME 4 ME 4 | 365516 365516 | 2018 2018 | Above Norrmal | May | - | $32,187.5$ $6,988.8$ | $32,182.9$ $6,980.4$ | 4.6 8.3 | 0.1\% | $32,182.9$ $6,979.6$ | 4.6 9.1 | 0.1\% | $32,182.9$ $6,978.8$ | 4.6 10.0 | 0.1\% | $32,181.7$ $6,978.0$ | 5.8 10.8 | 0.2\% | $32,181.7$ $6,977.2$ | 5.8 11.6 | 0.2\% | $32,181.7$ $6,976.3$ | 5.8 12.5 | - |
| ME4 | 365516 | 2018 | Above Normal | June | -- | 1,913.4 | 1,902.8 | 10.6 | 0.6\% | 1,901.7 | 11.7 | 0.6\% | 1,900.6 | 12.8 | 0.7\% | 1,899.5 | 13.9 | 0.7\% | 1,898.5 | 14.9 | 0.8\% | 1,897.5 | 16.0 | 0.8\% |
| ME4 | 365516 | 2018 | Above Normal | July | - | 780.6 | 769.2 | 11.4 | 1.5\% | 768.0 | 12.6 | 1.6\% | 766.9 | 13.7 | 1.8\% | 765.7 | 14.9 | 1.9\% | 764.6 | 16.0 | 2.1\% | 763.4 | 17.2 | 2.2\% |
| ME4 | 365516 | 2018 | Above Normal | August | - | 441.8 | 431.2 | 10.5 | 2.4\% | 430.2 | 11.6 | 2.6\% | 429.1 | 12.7 | 2.9\% | 428.1 | 13.7 | 3.1\% | 427.0 | 14.8 | 3.3\% | 425.9 | 15.8 | 3.6\% |
| ME4 | 365516 | 2018 | Above Normal | September | Used in Summary Table Analysis | 2993 | 289.2 | 10.1 | 3.4\% | 288.2 | 11.1 | 3.7\% | 287.2 | 12.1 | 4.0\% | 286.2 | 13.1 | 4.4\% | 285.2 | 14.1 | 4.7\% | 284.2 | 15.1 | 5.1\% |
| ME4 | 365516 36516 | 2019 | Below Normal | October | Used in Summary Table Analysis | 207.3 | 199.5 | 7.8 | 3.8\% | 198.7 | 8.6 | 4.1\% | 198.0 | 9.3 | 4.5\% | 197.2 | 10.2 | 4.9\% | 196.5 | 10.9 | 5.2\% | 195.7 | 11.6 | 5.6\% |
| ME4 | 365516 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,616.2 | $6,610.1$ | ${ }^{6.1}$ | 0.1\% | 6,609.5 | ${ }^{6.7}$ | ${ }^{0.1 \%}$ | 6,608.8 | 7.4 | 0.1\% | 6,608.2 | 8.0 | 0.1\% | ${ }^{6,607.6}$ | 8.6 | 0.1\% | ${ }^{6,606.9}$ | 9.3 | 0.1\% |
| ME 4 | 365516 <br> 36516 | 2019 | Below Normal | December | - | $14,653.9$ 351956 | $14,648.1$ $\mathbf{3 5 , 1 9 1 0}$ | 5.8 4.6 | 0.0\% | $14,648.1$ 351898 | 5.8 58 | 0.0\% | $14,647.0$ 351898 | 6.9 58 | 0.0\% | $14,647.0$ 35.1898 | 6.9 58 | 0.0\% | $14,645.8$ 35,1887 | ${ }_{8}^{8.1}$ | 0.1\% |  | 8.1 6.9 | ${ }^{0.1 \%}$ |
| ME 4 | 365516 365516 | 2019 2019 | Below Normal Below Normal | January February |  | $35,195.6$ $141,898.1$ | $35,191.0$ $141,886.6$ | $\begin{gathered} 4.6 \\ 11.6 \end{gathered}$ | $\begin{aligned} & \text { 0.0\% } \\ & 0.0 \% \end{aligned}$ | $35,189.8$ $141,886.6$ | $\begin{aligned} & 5.8 \\ & 11.6 \end{aligned}$ | 0.0\% $0.0 \%$ | $35,189.8$ $141,886.6$ | $\begin{gathered} 5.8 \\ 11.6 \end{gathered}$ | 0.0\% $0.0 \%$ | $35,189.8$ $141,886.6$ | 5.8 11.6 | 0.0\% $0.0 \%$ | $35,188.7$ $141,886.6$ | 6.9 11.6 | 0.0\% $0.0 \%$ | $35,188.7$ $141,886.6$ | 6.9 11.6 | -0.0\% |
| ME4 | 365516 | 2019 | Below Normal | March | -- | 42,309.0 | 42,304.4 | 4.6 | 0.0\% | 42,304.4 | 4.6 | 0.0\% | 42,303.2 | 5.8 | 0.0\% | 42,303.2 | 5.8 | 0.0\% | 42,303.2 | 5.8 | 0.0\% | 42,302, 1 | 6.9 | 0.0\% |
| ME4 | 365516 | 2019 | Below Normal | April | - | 15,269.7 | 15,266.2 | 3.5 | 0.0\% | 15,265.0 | 4.6 | 0.0\% | 15,265.0 | 4.6 | 0.0\% | 15,265.0 | 4.6 | 0.0\% | 15,263.9 | 5.8 | 0.0\% | 15,263.9 | 5.8 | 0.0\% |
| ME4 | 365516 | 2019 | Below Normal | May | - | 16,922.5 | 16,913.2 | 9.3 | 0.1\% | 16,993.2 | 9.3 | 0.1\% | 16,912.0 | 10.4 | 0.1\% | 16,910.9 | 11.6 | 0.1\% | 16,909.7 | 12.7 | 0.1\% | 16,909.7 | 12.7 | 0.1\% |
| ME4 | 365516 | 2019 | Below Normal | June | - | 4,243.6 | 4,232.1 | 11.6 | 0.3\% | 4,230.9 | 12.7 | 0.3\% | 4,229.7 | 13.9 | 0.3\% | 4,228.6 | 15.0 | 0.4\% | 4,227.4 | 16.2 | 0.4\% | 4,226.3 | 17.4 | 0.4\% |
| ME4 | 365516 | 2019 | Below Normal | July | - | 1,360.2 | 1,348.7 | 11.5 | 0.8\% | 1,347.6 | 12.6 | 0.9\% | 1,346.4 | 13.8 | 1.0\% | 1,345.3 | 14.9 | 1.1\% | 1,344.1 | 16.1 | 1.2\% | 1,342.9 | 17.2 | 1.3\% |
| ME 4 | 365516 365516 | 2019 | ${ }^{\text {Below Normal }}$ | August | Hsed in Summar Tale Analvis | 595.4 | 584.6 458 | 10.9 | ${ }^{1.8 \%}$ | 583.5 458 | 12.0 | 2.0\% | 582.4 | 13.0 | 2.2\% | 581.3 | 14.1 | 2.4\% | 580.2 4788 | 15.2 | 2.6\% | 579.1 | ${ }^{16.3}$ | 2.7\% |
| ME4 | 365516 | 2019 | Below Normal | September | Used in Summary Table Analysis | 461.8 | 451.8 | 10.0 | 2.2\% | 450.8 | 11.1 | 2.4\% | 449.8 | 12.1 | 2.6\% | 448.8 | 13.0 | 2.8\% | 447.8 | 14.1 | 3.0\% | 446.8 | 15.1 | 3.3\% |
| ME4 | 365516 36516 | 2020 2020 | Dry | October | Used in Summary Table Analysis | 335.3 | 347.8 3124 | 7.4 58 | $2.1 \%$ $1.8 \%$ | 347.1 3118 | 8.2 6.4 | ${ }_{\text {2 }}^{2.3 \%}$ | 346.3 3112 | 8.9 | 2.5\% | 345.6 3106 | 9.7 75 | 2.7\% | 344.8 | 10.4 | 2.9\% | 344.1 3095 | 11.2 8.7 | 3.1\% |
| ME 4 ME 4 | 365516 365516 | 2020 2020 | Dry Dry | November December | Used in Summary Table Analysis | 318.2 $13,26.2$ | 312.4 $13,261.6$ | 5.8 4.6 | $1.8 \%$ $0.0 \%$ | 331.8 $13,260.4$ 12, | 6.4 5.8 | $2.0 \%$ $0.0 \%$ | 311.2 $13,260.4$ | 6.9 5.8 | $2.2 \%$ $0.0 \%$ | 310.6 <br> $13,260.4$ <br> 2.4 | 7.5 5.8 | $2.4 \%$ $0.0 \%$ | 310.1 <br> $13,259.3$ | 8.1 6.9 | 2.5\% | 309.5 $13,259.3$ | 8.7 6.9 | 2.7\% |
| ME4 | 365516 | 2020 | Dry | January | -- | 22,316.0 | 22,311.3 | 4.6 | 0.0\% | 22,310.2 | 5.8 | 0.0\% | 22,310.2 | 5.8 | 0.0\% | 22,310.2 | 5.8 | 0.0\% | 22,309.0 | 6.9 | 0.0\% | 22,309.0 | 6.9 | 0.0\% |
| ME4 4 | 365516 | 2020 | Dry | February |  | 7,414.6 | 7,410.3 | 4.3 | 0.1\% | 7,409.8 | 4.7 | 0.1\% | 7,409.4 | 5.2 | 0.1\% | 7,408.9 | 5.7 | 0.1\% | 7,408.6 | 6.0 | 0.1\% | 7,408.1 | 6.5 | 0.1\% |
| ME4 | 365516 | 2020 | Dry | March | -- | 7,241.4 | 7,237.4 | 4.1 | 0.1\% | 7,237.0 | 4.4 | 0.1\% | 7,236.6 | 4.9 | 0.1\% | 7,236.2 | 5.2 | 0.1\% | 7,235.8 | 5.7 | 0.1\% | 7,235.4 | 6.0 | 0.1\% |
| ME 4 | 365516 36516 | 2020 | Dry | April | - | 5,487.0 | 5,471.3 | 8.7 | 0.2\% | 5,470.5 | 9.5 | 0.2\% | 5,469.6 | 10.4 | 0.2\% | 5,468.6 | 11.3 | 0.2\% | 5,467.8 | 12.2 | 0.2\% | 5,466.9 | 13.1 | 0.2\% |
|  | 365516 | 2020 | Dry | May | - | 7,372.9 | 7,362.5 | 10.4 | 0.1\% | 7,361.5 | 11.5 | 0.2\% | 7,360.4 | 12.5 | 0.2\% | 7,359.4 | 13.5 | 0.2\% | 7,358.3 | 14.6 | 0.2\% | 7,357.3 | 15.6 | 0.2\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  |  |  |  |  |  | Existing Conditions |  |  | 10\% Pumping Increas |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) | Water Year | Water Year Type | Month | Note | Without Pumping (cfs) | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference |
| me 4 | 365516 | 2020 | Dry | June | - | 2,104.6 | 2,091.0 | 13.7 | 0.6\% | 2,089.6 | 15.0 | 0.7\% | 2,088.2 | 16.4 | 0.8\% | 2,086.9 | 17.7 | 0.8\% | 2,085.5 | 19.1 | 0.9\% | 2,084.1 | 20.5 | 1.0\% |
| me 4 | 365516 | 2020 | Dry | July | - | 795.9 | 782.6 | 13.3 | 1.7\% | 781.2 | 14.7 | 1.8\% | 779.9 | 16.0 | 2.0\% | 778.6 | 17.3 | 2.2\% | 777.2 | 18.6 | 2.3\% | 775.9 | 20.0 | 2.5\% |
| ME4 4 | 365516 | 2020 | Dry | August | -- | 398.5 | 385.4 | 13.1 | 3.3\% | 384.1 | 14.4 | 3.6\% | 382.8 | 15.7 | 3.9\% | 381.5 | 17.0 | 4.3\% | 380.2 | 18.3 | 4.6\% | 378.9 | 19.6 | 4.9\% |
| ME 4 | 365516 | 2020 | Dry | September | Used in Summary Table Analysis | 247.9 | 236.4 | 11.6 | 4.7\% | 235.2 | 12.7 | 5.1\% | 234.1 | 13.9 | 5.6\% | 232.9 | 15.0 | 6.1\% | 231.7 | 16.2 | 6.5\% | 230.6 | 17.4 | 7.0\% |
| ME4 | 365417 | 2000 | Above Normal | October | Used in Summary Table Analysis | 815.5 | 807.7 | 7.8 | 1.0\% | 807.0 | 8.5 | 1.0\% | 806.2 | 9.3 | 1.1\% | 805.4 | 10.1 | 1.2\% | 804.7 | 10.9 | 1.3\% | 803.9 | 11.6 | 1.4\% |
| me 4 | 365417 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,111.1 | 12,105.3 | 5.8 | 0.0\% | 12,104.2 | 6.9 | 0.1\% | 12,104.2 | 6.9 | 0.1\% | 12,103.0 | 8.1 | 0.1\% | 12,103.0 | 8.1 | 0.1\% | 12,101.9 | 9.3 | 0.1\% |
| me 4 | 365417 | 2000 | Above Normal | December | - | 10,807.3 | 10,802.1 | 5.2 | 0.0\% | 10,801.5 | 5.8 | 0.1\% | 10,801.0 | 6.3 | 0.1\% | 10,800.5 | 6.8 | 0.1\% | 10,800.0 | 7.3 | 0.1\% | 10,799.4 | 7.9 | 0.1\% |
| me 4 | 365417 | 2000 | Above Normal | January | -- | 28,564.8 | 28,59.0 | 5.8 | 0.0\% | 28,59.0 | 5.8 | 0.0\% | 28,559.0 | 5.8 | 0.0\% | 28,557.9 | 6.9 | 0.0\% | 28,557.9 | 6.9 | 0.0\% | 28,556.7 | 8.1 | 0.0\% |
| ME 4 | 365417 | 2000 | Above Normal | February | -- | 37,034.7 | 37,030.1 | 4.6 | 0.0\% | 37,030.1 | 4.6 | 0.0\% | 37,028.9 | 5.8 | 0.0\% | 37,028.9 | 5.8 | 0.0\% | 37,028.9 | 5.8 | 0.0\% | 37,027.8 | 6.9 | 0.0\% |
| ME4 | 365417 | 2000 | Above Normal | March | -- | 18,314.8 | 18,311.3 | 3.5 | 0.0\% | 18,310.2 | 4.6 | 0.0\% | 18,310.2 | 4.6 | 0.0\% | 18,310.2 | 4.6 | 0.0\% | 18,309.0 | 5.8 | 0.0\% | 18,309.0 | 5.8 | 0.0\% |
| me 4 | 365417 | 2000 | Above Normal | April | - | 12,313.7 | 12,309.0 | 4.6 | 0.0\% | 12,309.0 | 4.6 | 0.0\% | 12,309.0 | 4.6 | 0.0\% | 12,307.9 | 5.8 | 0.0\% | 12,307.9 | 5.8 | 0.0\% | 12,307.9 | 5.8 | 0.0\% |
| me 4 | 365417 | 2000 | Above Normal | May | - | 7,093.6 | 7,085.1 | 8.6 | 0.1\% | 7,084.3 | 9.4 | 0.1\% | 7,083.3 | 10.3 | 0.1\% | 7,082.5 | 11.1 | 0.2\% | 7,081.6 | 12.0 | 0.2\% | 7,080.8 | 12.8 | 0.2\% |
| ME4 | 365417 | 2000 | Above Normal | June | - | 2,611.0 | 2,598.3 | 12.7 | 0.5\% | 2,597.0 | 14.0 | 0.5\% | 2,595.7 | 15.3 | 0.6\% | 2,594.4 | 16.6 | 0.6\% | 2,593.2 | 17.8 | 0.7\% | 2,591.9 | 19.1 | 0.7\% |
| ME 4 | 365417 | 2000 | Above Normal | July | - | 991.4 | 980.0 | 11.4 | 1.2\% | 978.9 | 12.6 | 1.3\% | 977.7 | 13.7 | 1.4\% | 976.6 | 14.8 | 1.5\% | 975.5 | 16.0 | 1.6\% | 974.3 | 17.1 | 1.7\% |
| ME4 | 365417 | 2000 | Above Normal | August | -- | 521.4 | 510.7 | 10.7 | 2.0\% | 509.6 | 11.7 | 2.3\% | 508.6 | 12.8 | 2.5\% | 507.5 | 13.9 | 2.7\% | 506.4 | 14.9 | 2.9\% | 505.4 | 16.0 | 3.1\% |
| me 4 | 365417 | 2000 | Above Normal | September | Used in Summary Table Analysis | 294.7 | 285.4 | 9.4 | 3.2\% | 284.4 | 10.3 | 3.5\% | 283.5 | 11.2 | 3.8\% | 282.6 | 12.2 | 4.1\% | 281.6 | 13.1 | 4.4\% | 280.7 | 14.1 | 4.8\% |
| me 4 | 365417 | 2001 | Dry | October | Used in Summary Table Analysis | 3,813.4 | 3,805.8 | 7.6 | 0.2\% | 3,805.0 | 8.4 | 0.2\% | 3,804.3 | 9.1 | 0.2\% | 3,803.5 | 10.0 | 0.3\% | 3,802.8 | 10.6 | 0.3\% | 3,802.0 | 11.5 | 0.3\% |
| ME 4 | 365417 | 2001 | Dry | November | Used in Summary Table Analysis | 6,121.6 | 6,115.5 | 6.1 | 0.1\% | 6,114.9 | 6.7 | 0.1\% | 6,114.2 | 7.4 | 0.1\% | 6,113.7 | 8.0 | 0.1\% | 6,113.1 | 8.6 | 0.1\% | 6,112.4 | 9.3 | 0.2\% |
| me4 | 365417 | 2001 | Dry | December |  | 8,836.1 | 8,830.8 | 5.3 | 0.1\% | 8,830.3 | 5.8 | 0.1\% | 8,829.7 | 6.4 | 0.1\% | 8,829.2 | 6.9 | 0.1\% | 8,828.7 | 7.4 | 0.1\% | 8,828.1 | 8.0 | 0.1\% |
| ME4 | 365417 <br> 36547 | 2001 | Dry | January | -- | 12,785.9 | 12,781.3 | 4.6 | 0.0\% | 12,781.3 | 4.6 | 0.0\% | 12,780.1 | 5.8 | 0.0\% | 12,780.1 | 5.8 | 0.0\% | 12,780.1 | 5.8 | 0.0\% | 12,778.9 | 6.9 | 0.1\% |
| me 4 | 365417 | 2001 | Dry | February | -- | 17,468.8 | 17,465.3 | 3.5 | 0.0\% | 17,464.1 | 4.6 | 0.0\% | 17,464.1 | 4.6 | 0.0\% | 17,463.0 | 5.8 | 0.0\% | 17,463.0 | 5.8 | 0.0\% | 17,463.0 | 5.8 | 0.0\% |
| me 4 | 365417 | 2001 | Dry | March | -- | 12,296.3 | 12,291.7 | 4.6 | 0.0\% | 12,291.7 | 4.6 | 0.0\% | 12,290.5 | 5.8 | 0.0\% | 12,290.5 | 5.8 | 0.0\% | 12,290.5 | 5.8 | 0.0\% | 12,289.4 | 6.9 | 0.1\% |
| ME 4 | 365417 | 2001 | Dry | April | - | 10,970.6 | 10,961.8 | 8.8 | 0.1\% | 10,961.0 | 9.6 | 0.1\% | 10,960.1 | 10.5 | 0.1\% | 10,959.1 | 11.5 | 0.1\% | 10,958.3 | 12.3 | 0.1\% | 10,957.4 | 13.2 | 0.1\% |
| me 4 | 365417 | 2001 | Dry | May | - | 2,637.3 | 2,626.9 | 10.4 | 0.4\% | 2,625.8 | 11.5 | 0.4\% | 2,624.8 | 12.5 | 0.5\% | 2,623.7 | 13.5 | 0.5\% | 2,622.7 | 14.6 | 0.6\% | 2,621.6 | 15.6 | 0.6\% |
| ME4 | 365417 | 2001 | Dry | June | - | 2,647.1 | 2,633.0 | 14.1 | 0.5\% | 2,631.5 | 15.6 | 0.6\% | 2,630.1 | 17.0 | 0.6\% | 2,628.7 | 18.4 | 0.7\% | 2,627.3 | 19.8 | 0.7\% | 2,625.9 | 21.2 | 0.8\% |
| me 4 | 365417 | 2001 | Dry | July | - | 718.4 | 705.3 | 13.1 | 1.8\% | 704.0 | 14.4 | 2.0\% | 702.7 | 15.7 | 2.2\% | 701.4 | 17.0 | 2.4\% | 700.1 | 18.3 | 2.6\% | 698.8 | 19.6 | 2.7\% |
| me4 | 365417 | 2001 | Dry | August | -- | 172.1 | 159.4 | 12.7 | 7.4\% | 158.2 | 13.9 | 8.1\% | 156.9 | 15.2 | 8.8\% | 155.6 | 16.5 | 9.6\% | 154.4 | 17.8 | 10.3\% | 153.1 | 19.0 | 11.1\% |
| me 4 | 365417 | 2001 | Dry | September | Used in Summary Table Analysis | 94.9 | 83.7 | 11.2 | 11.8\% | 82.6 | 12.3 | 13.0\% | 81.4 | 13.5 | 14.2\% | 80.3 | 14.6 | 15.4\% | 79.2 | 15.7 | 16.6\% | 78.1 | 16.9 | 17.8\% |
| me 4 | 365417 | 2002 | Below Normal | October | Used in Summary Table Analysis | 264.5 | 255.3 | 9.2 | 3.5\% | 254.3 | 10.2 | 3.9\% | 253.4 | 11.1 | 4.2\% | 252.4 | 12.1 | 4.6\% | 251.5 | 13.0 | 4.9\% | 250.6 | 13.9 | 5.3\% |
| me 4 | 365417 | 2002 | Below Normal | November | Used in Summary Table Analysis | 12,022.0 | 12,015.0 | 6.9 | 0.1\% | 12,013.9 | 8.1 | 0.1\% | 12,013.9 | 8.1 | 0.1\% | 12,012.7 | 9.3 | 0.1\% | 12,011.6 | 10.4 | 0.1\% | 12,011.6 | 10.4 | 0.1\% |
| me4 | 365417 | 2002 | Below Normal | December |  | 35,672.5 | 35,665.5 | 6.9 | 0.0\% | 35,665.5 | 6.9 | 0.0\% | 35,664.4 | 8.1 | 0.0\% | 35,663.2 | 9.3 | 0.0\% | 35,663.2 | 9.3 | 0.0\% | 35,662.0 | 10.4 | 0.0\% |
| me4 | 365417 | 2002 | Below Normal | January | -- | 30,871.5 | 30,865.7 | 5.8 | 0.0\% | 30,864.6 | 6.9 | 0.0\% | 30,864.6 | 6.9 | 0.0\% | 30,863.4 | 8.1 | 0.0\% | 30,863.4 | 8.1 | 0.0\% | 30,862.3 | 9.3 | 0.0\% |
| ME 4 | 365417 | 2002 | Below Normal | February | -- | 24,673.6 | 24,699.0 | 4.6 | 0.0\% | 24,667.8 | 5.8 | 0.0\% | 24,667.8 | 5.8 | 0.0\% | 24,666.7 | 6.9 | 0.0\% | 24,666.7 | 6.9 | 0.0\% | 24,665.5 | 8.1 | 0.0\% |
| me 4 | 365417 | 2002 | Below Normal | March | -- | 17,776.6 | 17,772.0 | 4.6 | 0.0\% | 17,770.8 | 5.8 | 0.0\% | 17,770.8 | 5.8 | 0.0\% | 17,769.7 | 6.9 | 0.0\% | 17,769.7 | 6.9 | 0.0\% | 17,768.5 | 8.1 | 0.0\% |
| ME4 4 | ${ }^{365417}$ | 2002 | Below Normal | April | - | 9,924.1 | ${ }^{9,915.3}$ | 8.8 | 0.1\% | 9,914.4 | 9.7 | 0.1\% | 9,913.5 | 10.5 | 0.1\% | 9,912.6 | 11.5 | 0.1\% | 9,911.7 | 12.4 | 0.1\% | 9,910.9 | 13.2 | 0.1\% |
| ME4 4 | 365417 | 2002 | Below Normal | May | - | 3,319.1 | 3,308.8 | 10.3 | 0.3\% | 3,307.8 | 11.3 | 0.3\% | 3,306.7 | 12.4 | 0.4\% | 3,305.7 | 13.4 | 0.4\% | 3,304.6 | 14.5 | 0.4\% | 3,303.6 | 15.5 | 0.5\% |
| ME 4 | 365417 <br> 365417 | 2002 | Below Normal | June | - | 853.7 3621 | 842.0 3503 | 11.7 | ${ }^{1.4 \%}$ | 840.8 | 12.9 | 1.5\% | 839.7 <br> 348 <br> 18 | 14.0 | ${ }^{1.6 \%}$ | 838.5 <br> 3868 | 15.2 | ${ }^{1.8 \%}$ | 837.3 <br> 3456 <br> 15 | 16.4 | ${ }^{1.9 \%}$ | 836.1 <br> 344 <br> 14 | 17.5 17.6 | 2.1\% |
| ME 4 | 365417 | 2002 | Below Normal | July | - | 362.1 | 350.3 | 11.8 | 3.2\% | 349.1 | 12.9 | 3.6\% | 348.0 | 14.1 | 3.9\% | 346.8 | 15.3 | 4.2\% | 345.6 | 16.5 | 4.5\% | 344.4 | 17.6 | 4.9\% |
| ME 4 | 365417 | 2002 | Below Normal | August | -- | 226.6 | 215.7 | 11.0 | 4.8\% | 214.6 | 12.1 | 5.3\% | 213.5 | 13.2 | 5.8\% | 212.3 | 14.3 | 6.3\% | 211.3 | 15.4 | 6.8\% | 210.2 | 16.5 | 7.3\% |
| me 4 | 365417 | 2002 | Below Normal | September | Used in Summary Table Analysis | 163.4 | 153.1 | 10.3 | 6.3\% | 152.1 | 11.3 | 6.9\% | 151.1 | 12.4 | 7.6\% | 150.0 | 13.4 | 8.2\% | 149.0 | 14.4 | 8.8\% | 148.0 | 15.5 | 9.5\% |
| ME 4 | 365417 | 2003 | Wet | October | Used in Summary Table Analysis | 128.4 | 120.1 | 8.3 | 6.5\% | 119.3 | 9.1 | 7.1\% | 118.4 | 10.0 | 7.8\% | 117.6 | 10.8 | 8.4\% | 116.7 | 11.7 | 9.1\% | 115.9 | 12.5 | 9.7\% |
| ME 4 | 365417 <br> 365417 | 2003 | Wet | November | Used in Summary Table Analysis | $\xrightarrow{895.6}$ | 889.0 56787.0 | ${ }_{6}^{6.6}$ | 0.7\% | 888.3 56785 | 7.3 | 0.8\% | ${ }_{\text {c }}^{\text {887.6 }}$ | 8.0 | 0.9\% | 887.0 567.04, | 8.6 81 | 1.0\% | 886.3 56884 | ${ }^{9.3}$ | ${ }^{1.0 \%}$ |  | 10.0 | ${ }^{1.1 \%}$ |
| ME 4 | 365417 | 2003 | Wet | December |  | 56,792.8 | 56,787.0 | 5.8 | 0.0\% | 56,785.9 | 6.9 | 0.0\% | 56,785.9 | 6.9 | 0.0\% | 56,784.7 | 8.1 | 0.0\% | 56,784.7 | 8.1 | 0.0\% | 56,783.6 | 9.3 | 0.0\% |
| ME 4 | 365417 365417 | 2003 2003 | Wet Wet | ${ }^{\text {January }}$ February | -- | 31.526 .6 20,51.9 | $31,520.8$ 203472 2, | 5.8 4.6 | 0.0\% | 31.520 .8 20.366 .1 | 5.8 5.8 5 | 0.0\% $0.0 \%$ 0.0 | $31,519.7$ 20,36.1 | 6.9 5.8 | 0.0\% | $31,519.7$ 20,344 | 6.9 6.9 | 0.0\% $0.0 \%$ 0 | $31,518.5$ 20,344 | 8.1 6.9 | 0.0\% | $31,518.5$ 20,343. | 8.1 81 | 0.0\% |
| ME 4 ME4 | 365417 365417 | 2003 2003 | Wet Wet | February March | -- | $20,351.9$ $24,030.1$ | $20,347.2$ 24,255 | 4.6 4.6 | 0.0\% | $20,346.1$ $24,024.3$ | 5.8 5.8 | 0.0\% | $20,346.1$ 24,024.3 | 5.8 5.8 | 0.0\% | $20,344.9$ 24,024 | 6.9 5.8 | 0.0\% | $20,344.9$ $24,023.1$ | 6.9 6.9 | 0.0\% | $20,343.8$ 24,023.1 | 8.1 6.9 | 0.0\% |
| ME4 | 365417 | 2003 | Wet | April | - | 42,902.8 | 42,898.1 | 4.6 | 0.0\% | 42,898.1 | 4.6 | 0.0\% | 42,897.0 | 5.8 | 0.0\% | 42,897.0 | 5.8 | 0.0\% | 42,897.0 | 5.8 | 0.0\% | 42,895.8 | 6.9 | 0.0\% |
| ME4 4 | 365417 | 2003 | Wet | may | - | 12,223.4 | 12,214.1 | 9.3 | 0.1\% | 12,214.1 | 9.3 | 0.1\% | 12,213.0 | 10.4 | 0.1\% | 12,211.8 | 11.6 | 0.1\% | 12,210.6 | 12.7 | 0.1\% | 12,210.6 | 12.7 | 0.1\% |
| me4 | 365417 | 2003 | Wet | June | - | 3,166.4 | 3,155.0 | 11.5 | 0.4\% | 3,153.9 | 12.5 | 0.4\% | 3,152.8 | 13.7 | 0.4\% | 3,151.6 | 14.8 | 0.5\% | 3,150.6 | 15.9 | 0.5\% | 3,149.4 | 17.0 | 0.5\% |
| me 4 | 365417 | 2003 | Wet | July | - | 1,473.7 | 1,462.0 | 11.7 | 0.8\% | 1,460.9 | 12.8 | 0.9\% | 1,459.7 | 14.0 | 1.0\% | 1,458.6 | 15.2 | 1.0\% | 1,457.4 | 16.3 | 1.1\% | 1,456.3 | 17.5 | 1.2\% |
| ME4 | 365417 | 2003 | Wet | August | -- | 759.6 | 748.4 | 11.2 | 1.5\% | 747.3 | 12.3 | 1.6\% | 746.2 | 13.4 | 1.8\% | 745.0 | 14.6 | 1.9\% | 743.9 | 15.7 | 2.1\% | 742.8 | 16.9 | 2.2\% |
| me 4 | 365417 | 2003 | Wet | September | Used in Summary Table Analysis | 457.5 | 448.0 | 9.5 | 2.1\% | 447.0 | 10.5 | 2.3\% | 446.0 | 11.4 | 2.5\% | 445.1 | 12.4 | 2.7\% | 44.1 | 13.3 | 2.9\% | 443.2 | 14.3 | 3.1\% |
| me 4 | 365417 | 2004 | Wet | October | Used in Summary Table Analysis | 324.4 | 316.6 | 7.8 | 2.4\% | 315.8 | 8.5 | 2.6\% | 315.0 | 9.3 | 2.9\% | 314.3 | 10.1 | 3.1\% | 313.5 | 10.9 | 3.4\% | 312.7 | 11.7 | 3.6\% |
| me 4 | 365417 | 2004 | Wet | November | Used in Summary Table Analysis | 5,801.2 | 5,795.0 | 6.1 | 0.1\% | 5,794.3 | 6.8 | 0.1\% | 5,793.8 | 7.4 | 0.1\% | 5,793.1 | 8.1 | 0.1\% | 5,792.5 | 8.7 | 0.1\% | 5,791.8 | 9.4 | 0.2\% |
| ME4 | 365417 | 2004 | Wet | December |  | 36,304.4 | 36,298.6 | 5.8 | 0.0\% | 36,298.6 | 5.8 | 0.0\% | $36,297.5$ 31 | ${ }_{5}^{6.9}$ | 0.0\% | $36,297.5$ <br> 1,4641 | ${ }_{6}^{6.9}$ | 0.0\% | $36,297.5$ 31464 | 6.9 58 | 0.0\% | $36,296.3$ <br> 31463 <br> 18250 | 8.1 | 0.0\% |
| ME 4 | 365417 | 2004 | Wet | January |  | 31,469.9 | 31,465.3 | 4.6 | 0.0\% | 31,465.3 | 4.6 | 0.0\% | 31,464.1 | 5.8 | 0.0\% | 31,464.1 | 5.8 | 0.0\% | 31,464.1 | 5.8 | 0.0\% | 31,463.0 | 6.9 | 0.0\% $0.0 \%$ 0 |
| ME 4 | ${ }^{365417}$ | 2004 | Wet | February | - | 38,232.6 | 38,228.0 | 4.6 | 0.0\% | 38,228.0 | 4.6 | 0.0\% | 38,228.0 | 4.6 | 0.0\% | 38,226.9 | 5.8 | 0.0\% | 38,226.9 | 5.8 | 0.0\% | 38,225.7 | 6.9 | 0.0\% |
| ME 4 ME 4 | 365417 365417 | 2004 2004 | Wet Wet | $\underset{\substack{\text { March } \\ \text { April }}}{\text { a }}$ | $\stackrel{-}{-}$ | ${ }_{\substack{16,524.3 \\ 9,450.0}}$ | ${ }_{9,446.1}^{16,59.7}$ | 4.6 3.9 | 0.0\% | ${ }_{\substack{16,519.7 \\ 9,445.7}}$ | 4.6 4.3 | 0.0\% $0.0 \%$ | ${ }_{\text {16,518.5 }}^{9,445.3}$ | 5.8 4.7 | ${ }^{0.0 \%}$ | $16,518.5$ $9,444.9$ | 5.8 5.1 | 0.0\% | $\xrightarrow[\substack{16,518.5 \\ 9,444.4}]{ }$ | 5.8 5.6 | 0.0\% | $\underset{\substack{16,517.4 \\ 9,444.1}}{ }$ | 6.9 5.9 | 0.0\% |
| me 4 | 365417 | 2004 | wet | May | - | 3,419.6 | 3,411.0 | 8.6 | 0.3\% | 3,410.2 | 9.4 | 0.3\% | 3,409.3 | 10.3 | 0.3\% | 3,408.4 | 11.1 | 0.3\% | 3,407.5 | 12.0 | 0.4\% | 3,406.7 | 12.8 | 0.4\% |
| ME 4 | 365417 | 2004 | Wet | June | - | 691.7 | 680.9 | 10.8 | 1.5\% | 679.8 | 11.9 | 1.7\% | 678.8 | 13.0 | 1.9\% | 677.7 | 14.1 | 2.0\% | 676.6 | 15.1 | 2.2\% | 675.5 | 16.2 | 2.3\% |
| me 4 | 365417 | 2004 | Wet | July | - | 355.8 | 344.3 | 11.4 | 3.2\% | 343.2 | 12.6 | 3.5\% | 342.0 | 13.7 | 3.9\% | 340.9 | 14.9 | 4.2\% | 339.7 | 16.0 | 4.5\% | 338.6 | 17.2 | 4.8\% |
| ME 4 | ${ }^{365417}$ | 2004 | Wet | August | usinsumar Tate Atasis | 224.7 | 214.0 | 10.7 | 4.8\% | 213.0 1507 | 11.8 | 5.2\% | 211.9 | 12.9 | 5.7\% | 210.8 | 13.9 | ${ }^{6.2 \%}$ | 2097 | 15.0 | 6.7\% | 208.6 | 16.1 | 7.2\% |
|  | 365417 | 2004 | Wet | September | Used in Summary Table Analysis | 161.8 | 151.7 | 10.1 | 6.3\% | 150.7 | 11.1 | 6.9\% | 149.7 | 12.1 | 7.5\% | 148.7 | 13.1 | 8.1\% | 147.6 | 14.2 | 8.8\% | 146.6 | 15.2 | 9.4\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month | Note | Flow Without Pumping(cfs) (cfs) | xisting Conditions |  |  | 10\% Pumping |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water Reach) |  |  | Flow (cfs) |  |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \end{gathered}$ (cfs) | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME4 | 365417 | 2005 | Above Normal |  | October | Used in Summary Table Analysis | 7,680.2 | 7,672.3 | 7.9 | 0.1\% | 7,671.5 | 8.7 | 0.1\% | 7,670.7 | 9.5 | 0.1\% | 7,670.0 | 10.2 | 0.1\% | 7,669.2 | 11.0 | 0.1\% | 7,668.4 | 11.8 | 0.2\% |
| ME4 | 365417 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,256.6 | 2,250.3 | 6.3 | 0.3\% | 2,249.8 | 6.8 | 0.3\% | 2,249.1 | 7.5 | 0.3\% | 2,248.5 | 8.1 | 0.4\% | 2,247.9 | 8.7 | 0.4\% | 2,247.2 | 9.4 | 0.4\% |
| ME 4 | 365417 | 2005 | Above Normal | December | -- | 21,022.0 | 21,017.4 | 4.6 | 0.0\% | 21,016.2 | 5.8 | 0.0\% | 21,016.2 | 5.8 | 0.0\% | 21,015.0 | ${ }^{6.9}$ | 0.0\% | 21,015.0 | 6.9 | 0.0\% | 21,013.9 | 8.1 | 0.0\% |
| ME4 | 365417 | 2005 | Above Normal | January | -- | 22,381.9 | 22,377.3 | 4.6 | 0.0\% | 22,376.2 | 5.8 | 0.0\% | 22,376.2 | 5.8 | 0.0\% | 22,376.2 | 5.8 | 0.0\% | 22,375.0 | 6.9 | 0.0\% | 22,375.0 | 6.9 | 0.0\% |
| ME4 | 365417 | 2005 | Above Normal | February - | -- | 14,011.6 | 14,006.9 | 4.6 | 0.0\% | 14,006.9 | 4.6 | 0.0\% | 14,005.8 | 5.8 | 0.0\% | 14,005.8 | 5.8 | 0.0\% | 14,004.6 | 6.9 | 0.0\% | 14,004.6 | 6.9 | 0.0\% |
| me4 | 365417 | 2005 | Above Normal | March | -- | 28,564.8 | 28,561.3 | 3.5 | 0.0\% | 28,560.2 | 4.6 | 0.0\% | 28,560.2 | 4.6 | 0.0\% | 28,560.2 | 4.6 | 0.0\% | 28,59.0 | 5.8 | 0.0\% | 28,59.0 | 5.8 | 0.0\% |
| ME4 | 365417 | 2005 | Above Normal | April | - | 21,444.4 | 21,439.8 | 4.6 | 0.0\% | 21,439.8 | 4.6 | 0.0\% | 21,439.8 | 4.6 | 0.0\% | 21,438.7 | 5.8 | 0.0\% | 21,438.7 | 5.8 | 0.0\% | 21,438.7 | 5.8 | 0.0\% |
| ME4 | 365417 | 2005 | Above Normal | May | - | 19,568.3 | 19,560.2 | 8.1 | 0.0\% | 19,559.0 | 9.3 | 0.0\% | 19,557.9 | 10.4 | 0.1\% | 19,556.7 | 11.6 | 0.1\% | 19,556.7 | 11.6 | 0.1\% | 19,555.6 | 12.7 | 0.1\% |
| ME4 | 365417 | 2005 | Above Normal | June | - | 15,870.4 | 15,856.5 | 13.9 | 0.1\% | 15,855.3 | 15.0 | 0.1\% | 15,854.2 | 16.2 | 0.1\% | 15,853.0 | 17.4 | 0.1\% | 15,851.9 | 18.5 | 0.1\% | 15,850.7 | 19.7 | 0.1\% |
| me4 | 365417 | 2005 | Above Normal | July | - | 2,864.2 | 2,852.3 | 11.9 | 0.4\% | 2,851.2 | 13.1 | 0.5\% | 2,850.0 | 14.2 | 0.5\% | 2,848.8 | 15.4 | 0.5\% | 2,847.6 | 16.7 | 0.6\% | 2,846.4 | 17.8 | 0.6\% |
| me4 | 365417 | 2005 | Above Normal | August | -- | 982.5 | 971.8 | 10.7 | 1.1\% | 970.7 | 11.8 | 1.2\% | 969.7 | 12.9 | 1.3\% | 968.6 | 13.9 | 1.4\% | 967.5 | 15.0 | 1.5\% | 966.5 | 16.0 | 1.6\% |
| ME4 | 365417 | 2005 | Above Normal | September | Used in Summary Table Analysis | 524.0 | 514.6 | 9.4 | 1.8\% | 513.7 | 10.3 | 2.0\% | 512.7 | 11.3 | 2.1\% | 511.8 | 12.2 | 2.3\% | 510.8 | 13.1 | 2.5\% | 509.9 | 14.1 | 2.7\% |
| me4 | 365417 | 2006 | Wet | October | Used in Summary Table Analysis | 633.7 | 626.2 | 7.5 | 1.2\% | 625.4 | 8.3 | 1.3\% | 624.7 | 9.0 | 1.4\% | 623.9 | 9.8 | 1.5\% | ${ }^{623.1}$ | 10.5 | 1.7\% | 622.4 | 11.3 | 1.8\% |
| ME4 | 365417 | 2006 | Wet | November | Used in Summary Table Analysis | 9,303.7 | 9,297.8 | 5.9 | 0.1\% | 9,297.2 | 6.5 | 0.1\% | 9,296.5 | 7.2 | 0.1\% | 9,295.9 | 7.8 | 0.1\% | 9,295.4 | 8.3 | 0.1\% | 9,294.8 | 8.9 | 0.1\% |
| me4 | 365417 | 2006 | Wet | December - | -- | 43,491.9 | 43,486.1 | 5.8 | 0.0\% | 43,486.1 | 5.8 | 0.0\% | 43,485.0 | 6.9 | 0.0\% | 43,485.0 | 6.9 | 0.0\% | 43,485.0 | 6.9 | 0.0\% | 43,483.8 | 8.1 | 0.0\% |
| me4 | 365417 | 2006 | Wet | January | -- | 46,294.0 | 46,289.4 | 4.6 | 0.0\% | 46,288.2 | 5.8 | 0.0\% | 46,288.2 | 5.8 | 0.0\% | 46,287.0 | 6.9 | 0.0\% | 46,287.0 | 6.9 | 0.0\% | 46,285.9 | 8.1 | 0.0\% |
| ME4 | 365417 | 2006 | Wet | February - | - | 26,618.1 | 26,613.4 | 4.6 | 0.0\% | 26,613.4 | 4.6 | 0.0\% | 26,612.3 | 5.8 | 0.0\% | 26,612.3 | 5.8 | 0.0\% | 26,611.1 | 6.9 | 0.0\% | 26,611.1 | 6.9 | 0.0\% |
| ME4 | 365417 | 2006 | Wet | March | - | 47,155.1 | 47,150.5 | 4.6 | 0.0\% | 47,150.5 | 4.6 | 0.0\% | 47,150.5 | 4.6 | 0.0\% | 47,149.3 | 5.8 | 0.0\% | 47,199.3 | 5.8 | 0.0\% | 47,148.1 | 6.9 | 0.0\% |
| me4 | 365417 | 2006 | wet | April | -- | 30,428.2 | 30,423.6 | 4.6 | 0.0\% | 30,423.6 | 4.6 | 0.0\% | 30,423.6 | 4.6 | 0.0\% | 30,422.5 | 5.8 | 0.0\% | 30,422.5 | 5.8 | 0.0\% | 30,422.5 | 5.8 | 0.0\% |
| me4 | 365417 | 2006 | Wet | May | - | 14,207.2 | 14,201.4 | 5.8 | 0.0\% | 14,201.4 | 5.8 | 0.0\% | 14,201.4 | 5.8 | 0.0\% | 14,200.2 | 6.9 | 0.0\% | 14,200.2 | 6.9 | 0.0\% | 14,199.1 | 8.1 | 0.1\% |
| me4 | 365417 | 2006 | Wet | June | - | 3,547.7 | 3,536.9 | 10.8 | 0.3\% | 3,535.8 | 11.9 | 0.3\% | 3,534.7 | 13.0 | 0.4\% | 3,533.7 | 14.0 | 0.4\% | 3,532.5 | 15.2 | 0.4\% | 3,531.5 | 16.2 | 0.5\% |
| ME4 | 365417 | 2006 | Wet | July | - | 1,278.8 | 1,267.5 | 11.3 | 0.9\% | 1,266.3 | 12.5 | 1.0\% | 1,265.2 | 13.7 | 1.1\% | 1,264.0 | 14.8 | 1.2\% | 1,263.0 | 15.9 | 1.2\% | 1,261.8 | 17.0 | 1.3\% |
| ME4 | 365417 | 2006 | Wet | August | -- | 664.7 | 653.8 | 10.9 | 1.6\% | 652.7 | 12.0 | 1.8\% | 651.6 | 13.1 | 2.0\% | 650.5 | 14.2 | 2.1\% | 649.4 | 15.3 | 2.3\% | 648.3 | 16.4 | 2.5\% |
| ME4 | 365417 | 2006 | Wet | September | Used in Summary Table Analysis | 425.7 | 416.2 | 9.5 | 2.2\% | 415.2 | 10.4 | 2.5\% | 414.3 | 11.4 | 2.7\% | 413.3 | 12.3 | 2.9\% | 412.4 | 13.3 | 3.1\% | 411.4 | 14.2 | 3.3\% |
| me4 | 365417 | 2007 | Above Normal | October | Used in Summary Table Analysis | 273.9 | 266.3 | 7.7 | 2.8\% | 265.5 | 8.4 | 3.1\% | 264.8 | 9.2 | 3.4\% | 264.0 | 9.9 | 3.6\% | 263.2 | 10.7 | 3.9\% | 262.5 | 11.5 | 4.2\% |
| me4 | 365417 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,664.6 | 8,658.4 | 6.1 | 0.1\% | 8,657.9 | 6.7 | 0.1\% | 8,657.3 | 7.3 | 0.1\% | 8,656.6 | 8.0 | 0.1\% | 8,656.0 | 8.6 | 0.1\% | 8,655.4 | 9.1 | 0.1\% |
| ME4 | 365417 | 2007 | Above Normal | December - | -- | 20,407.4 | 20,401.6 | 5.8 | 0.0\% | 20,401.6 | 5.8 | 0.0\% | 20,400.5 | 6.9 | 0.0\% | 20,400.5 | 6.9 | 0.0\% | 20,399.3 | 8.1 | 0.0\% | 20,399.3 | 8.1 | 0.0\% |
| ME4 | 365417 | 2007 | Above Normal | January | - | 10,251.0 | 10,246.2 | 4.9 | 0.0\% | 10,245.7 | 5.3 | 0.1\% | 10,245.3 | 5.8 | 0.1\% | 10,244.8 | 6.3 | 0.1\% | 10,244.2 | 6.8 | 0.1\% | 10,243.8 | 7.3 | 0.1\% |
| ME4 | 365417 | 2007 | Above Normal | February | - | 30,568.3 | 30,563.7 | 4.6 | 0.0\% | 30,563.7 | 4.6 | 0.0\% | 30,562.5 | 5.8 | 0.0\% | 30,562.5 | 5.8 | 0.0\% | 30,561.3 | 6.9 | 0.0\% | 30,561.3 | 6.9 | 0.0\% |
| me4 | 365417 | 2007 | Above Normal | March |  | 13,101.9 | 13,097.2 | 4.6 | 0.0\% | 13,097.2 | 4.6 | 0.0\% | 13,096.1 | 5.8 | 0.0\% | 13,096.1 | 5.8 | 0.0\% | 13,096.1 | 5.8 | 0.0\% | 13,094.9 | 6.9 | 0.1\% |
| ME4 | 365417 | 2007 | Above Normal | April | - | 11,534.3 | 11,525.8 | 8.4 | 0.1\% | 11,525.0 | 9.3 | 0.1\% | 11,524.1 | 10.2 | 0.1\% | 11,523.3 | 11.0 | 0.1\% | 11,522.5 | 11.8 | 0.1\% | 11,521.5 | 12.7 | 0.1\% |
| ME4 | 365417 | 2007 | Above Normal | May | - | 4,139.7 | 4,129.7 | 10.0 | 0.2\% | 4,128.7 | 11.0 | 0.3\% | 4,127.8 | 11.9 | 0.3\% | 4,126.7 | 13.0 | 0.3\% | 4,125.7 | 14.0 | 0.3\% | 4,124.8 | 14.9 | 0.4\% |
| me 4 | 365417 | 2007 | Above Normal | June | - | 1,498.4 | 1,486.3 | 12.0 | 0.8\% | 1,485.1 | 13.3 | 0.9\% | 1,483.9 | 14.5 | 1.0\% | 1,482.6 | 15.7 | ${ }^{1.1 \%}$ | 1,481.5 | 16.9 | ${ }_{\text {1.1\% }}$ | 1,480.3 | 18.1 | 1.2\% |
| ME4 | 365417 | 2007 | Above Normal | July | - | 495.9 | 483.8 | 12.0 | 2.4\% | 482.6 | 13.2 | 2.7\% | 481.4 | 14.4 | 2.9\% | 480.2 | 15.6 | 3.2\% | 479.0 | 16.8 | 3.4\% | 477.8 | 18.0 | 3.6\% |
| me4 | 365417 | 2007 | Above Normal | August | - | 222.7 | 211.9 | 10.8 | 4.8\% | 210.8 | 11.9 | 5.3\% | 209.7 | 12.9 | 5.8\% | 208.7 | 14.0 | 6.3\% | 207.6 | 15.1 | 6.8\% | 206.5 | 16.1 | 7.3\% |
| ME4 | 365417 | 2007 | Above Normal | September | Used in Summary Table Analysis | 150.3 | 140.2 | 10.1 | 6.7\% | 139.1 | 11.1 | 7.4\% | 138.1 | 12.2 | 8.1\% | 137.1 | 13.1 | 8.7\% | 136.1 | 14.2 | 9.4\% | 135.1 | 15.2 | 10.1\% |
| me4 | 365417 | 2008 | Dry | October | Used in Summary Table Analysis | 3,432.9 | 3,424.8 | 8.1 | 0.2\% | 3,424.0 | 8.9 | 0.3\% | 3,423.1 | 9.7 | 0.3\% | 3,422.3 | 10.5 | 0.3\% | 3,421.4 | 11.5 | 0.3\% | 3,420.6 | 12.3 | 0.4\% |
| ME4 | 365417 | 2008 | Dry | November | Used in Summary Table Analysis | 3,274.2 | 3,267.9 | ${ }^{6.3}$ | 0.2\% | 3,267.4 | ${ }^{6.8}$ | 0.2\% | 3,266.7 | 7.5 | 0.2\% | 3,266.1 | 8.1 | 0.2\% | 3,265.5 | 8.7 | 0.3\% | 3,264.8 | 9.4 | 0.3\% |
| ME4 | 365417 | 2008 | Dry | December - |  | 23,122.7 | 23,116.9 | 5.8 | 0.0\% | 23,115.7 | 6.9 | 0.0\% | 23,115.7 | 6.9 | 0.0\% | 23,114.6 | 8.1 | 0.0\% | 23,114.6 | 8.1 | 0.0\% | 23,113.4 | 9.3 | 0.0\% |
| me4 | 365417 | 2008 | Dry | January - | -- | 37,527.8 | 37,522.0 | 5.8 | 0.0\% | 37,522.0 | 5.8 | 0.0\% | 37,522.0 | 5.8 | 0.0\% | 37,520.8 | 6.9 | 0.0\% | 37,520.8 | 6.9 | 0.0\% | 37,519,7 | 8.1 | 0.0\% |
| ME4 | 365417 | 2008 | Dry | February - |  | 26,270.8 | 26,266.2 | 4.6 | 0.0\% | 26,266.2 | 4.6 | 0.0\% | 26,266.2 | 4.6 | 0.0\% | 26,265.0 | 5.8 | 0.0\% | 26,265.0 | 5.8 | 0.0\% | 26,263.9 | 6.9 | 0.0\% |
| me4 | 365417 | 2008 | Dry | March | -- | 11,795.1 | 11,790.5 | 4.6 | 0.0\% | 11,790.5 | 4.6 | 0.0\% | 11,789.4 | 5.8 | 0.0\% | 11,789.4 | 5.8 | 0.0\% | 11,789.4 | 5.8 | 0.0\% | 11,788.2 | 6.9 | 0.1\% |
| ME4 | 365417 | 2008 | Dry | April | - | 9,016.7 | 9,008.1 | 8.6 | 0.1\% | 9,007.3 | 9.4 | 0.1\% | $9,006.4$ | 10.3 | 0.1\% | $9,005.6$ | 11.1 | 0.1\% | 9,004.6 | 12.0 | 0.1\% | ${ }^{9,003.8}$ | 12.8 | 0.1\% |
| ME4 | 365417 | 2008 | Dry | May | - | 1,360.0 | 1,350.8 | 9.1 | 0.7\% | 1,349.9 | 10.1 | 0.7\% | 1,349.0 | 11.0 | 0.8\% | 1,348.0 | 11.9 | 0.9\% | 1,347.2 | 12.7 | 0.9\% | 1,346.3 | 13.7 | 1.0\% |
| me4 | 365417 | 2008 | Dry | June | -- | 437.7 | 424.5 | 13.2 | 3.0\% | 423.2 | 14.5 | 3.3\% | 421.9 | 15.8 | 3.6\% | 420.6 | 17.1 | 3.9\% | 419.3 | 18.4 | 4.2\% | 418.0 | 19.7 | 4.5\% |
| ME4 | 365417 | 2008 | Dry | July | - | 255.8 | 243.0 | 12.8 | 5.0\% | 241.7 | 14.1 | 5.5\% | 240.4 | 15.4 | 6.0\% | 239.1 | 16.6 | 6.5\% | 237.9 | 17.9 | 7.0\% | 236.6 | 19.2 | 7.5\% |
| me4 | 365417 | 2008 | Dry | August | -- | 179.1 | 166.7 | 12.4 | 6.9\% | 165.5 | 13.6 | 7.6\% | 164.3 | 14.8 | 8.3\% | 163.1 | 16.1 | 9.0\% | 161.8 | 17.3 | 9.7\% | 160.6 | 18.5 | 10.3\% |
| ME4 | 365417 | 2008 | Dry | September | Used in Summary Table Analysis | 140.8 | 129.0 | 11.8 | 8.4\% | 127.8 | 13.0 | 9.2\% | 126.6 | 14.2 | 10.1\% | 125.4 | 15.3 | 10.9\% | 124.2 | 16.5 | 11.7\% | 123.1 | 17.7 | 12.6\% |
| ME4 | 365417 | 2009 | Critical | October | Used in Summary Table Analysis | 923.7 | 914.6 | 9.2 | 1.0\% | 913.6 | 10.1 | 1.1\% | 912.7 | 11.0 | 1.2\% | 911.8 | 11.9 | 1.3\% | 910.9 | 12.8 | 1.4\% | 910.0 | 13.8 | 1.5\% |
| ME4 | 365417 365417 | 2009 | Critical Critical | November | Used in Summary Table Analysis | $5,510.5$ <br> 12164.4 <br> 8.96. | 5,503.5 121586 | 7.1 58 | 0.1\% |  | 7.8 68 | ${ }^{0.1 \%}$ | 5,502.1 | 88.4 | 0.2\% | 5,501.3 12,1563 | ${ }_{81}^{9.3}$ | 0.2\% | 5.500 .6 12.151 | 10.0 | 0.2\% | $5,499.9$ <br> 12951 | ${ }^{10.6}$ | ${ }^{0.2 \%}$ |
| ME 4 ME4 den | 365417 | 2009 | ${ }^{\text {critical }}$ | December - |  | 12,164.4 | 12,158.6 | 5.8 | 0.0\% | 12,157.4 | 6.9 | 0.1\% | 12,175.3 | 8.1 | 0.1\% | 12,156.3 | 8.1 | 0.1\% | 12,155.1 | 9.3 | - ${ }_{0.1 \%}^{0.1 \%}$ | 12,155.1 | ${ }^{9.3}$ | 0.1\% |
| ME4 4 | 365417 | 2009 | Critical | February - | -- | 22,613.4 | 22,608.8 | 4.6 | 0.0\% | 22,608.8 | 4.6 | 0.0\% | 22,607.6 | 5.8 | 0.0\% | 22,607.6 | 5.8 | 0.0\% | ${ }^{22,606.5}$ | 6.9 | 0.0\% | 22,606.5 | 6.9 | 0.0\% |
| ME4 4 | 365417 | 2009 | Critical | March | -- | 21,121.5 | 21,116.9 | 4.6 | 0.0\% | 21,116.9 | 4.6 | 0.0\% | 21,115.7 | 5.8 | 0.0\% | 21,115.7 | 5.8 | 0.0\% | 21,115.7 | 5.8 | 0.0\% | 21,114.6 | 6.9 | 0.0\% |
| me4 | 365417 | 2009 | Critical | April | -- | 10,097.3 | 10,088.4 | 8.9 | 0.1\% | 10,087.6 | 9.7 | 0.1\% | 10,086.7 | 10.6 | 0.1\% | 10,085.9 | 11.5 | 0.1\% | 10,085.0 | 12.4 | 0.1\% | 10,084.0 | 13.3 | 0.1\% |
| ME4 | 365417 | 2009 | Critical | May | - | 15,583.3 | 15,572.9 | 10.4 | 0.1\% | 15,571.8 | 11.6 | 0.1\% | 15,570.6 | 12.7 | 0.1\% | 15,569.4 | 13.9 | 0.1\% | 15,568.3 | 15.0 | 0.1\% | 15,567.1 | 16.2 | 0.1\% |
| me4 | 365417 | 2009 | Critical | June | - | 3,160.5 | 3,146.6 | 13.9 | 0.4\% | 3,145.3 | 15.3 | 0.5\% | 3,143.9 | 16.7 | 0.5\% | 3,142.4 | 18.2 | 0.6\% | 3,141.1 | 19.4 | 0.6\% | 3,139.7 | 20.8 | 0.7\% |
| me4 | 365417 | 2009 | Critical | July | - | 1,262.7 | 1,249.8 | 13.0 | 1.0\% | 1,248.4 | 14.4 | 1.1\% | 1,247.1 | 15.6 | 1.2\% | 1,245.8 | 16.9 | 1.3\% | 1,244.6 | 18.2 | 1.4\% | 1,243.3 | 19.4 | 1.5\% |
| ME4 | 365417 | 2009 | Critical | August | -- | 668.5 | 656.0 | 12.5 | 1.9\% | 654.8 | 13.7 | 2.0\% | 653.6 | 14.9 | 2.2\% | 652.3 | 16.2 | 2.4\% | 651.1 | 17.4 | 2.6\% | 649.8 | 18.6 | 2.8\% |
| me4 | 365417 | 2009 | Critical | September | Used in Summary Table Analysis | 389.7 | 378.7 | 11.0 | 2.8\% | 377.6 | 12.1 | 3.1\% | 376.5 | 13.2 | 3.4\% | 375.3 | 14.3 | 3.7\% | 374.3 | 15.4 | 4.0\% | 373.2 | 16.5 | 4.2\% |
| ME4 | 365417 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,088.1 | 6,078.8 | 9.3 | 0.2\% | 6,077.9 | 10.2 | 0.2\% | 6,077.0 | ${ }^{11.1}$ | 0.2\% | ${ }^{6,076.0}$ | 12.0 | 0.2\% | 6,075.1 | 13.0 | ${ }^{0.2 \%}$ | ${ }_{6}^{6,074.2}$ | 13.9 | 0.2\% |
| ME4 | 365417 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,290.2 | 8,282.9 | 7.3 | 0.1\% | 8,288.1 | 8.1 | 0.1\% | 8,281.4 | 8.8 | 0.1\% | $8,280.7$ | 9.5 | 0.1\% | 8,279.9 | 10.3 | 0.1\% | 8,279.2 | 11.0 | 0.1\% |
| ME 4 | 365417 365417 | 2010 | Below Normal | December - | - | $12,355.3$ 36, 38.4 | $12,349.5$ | $\stackrel{5.8}{5}$ | 0.0\% | $12,348.4$ 363215 | 6.9 | ${ }^{0.1 \%}$ | $12,348.4$ 36,2315 | ${ }_{6}^{6.9}$ | 0.1\% | $12,347.2$ 362303 | 8.1 | 0.1\% | $12,347.2$ 36,2303 | 8.1 | 0.1\% | 12,346.1 | 9.3 | 0.1\% |
| ME4 | 365417 | 2010 | Below Normal | January |  | 36,238.4 | 36,232.6 | 5.8 | 0.0\% | 36,231.5 | 6.9 | 0.0\% | 36,231.5 | 6.9 | 0.0\% | 36,230.3 | 8.1 | 0.0\% | 36,230.3 | 8.1 | 0.0\% | 36,229.2 | 9.3 | 0.0\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | $\begin{gathered} \text { Flow } \\ \text { Without } \\ \text { Pumping } \end{gathered}$ | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column <br> Surface Water <br> Reach) |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiffew } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\underset{\substack{\text { Fifference } \\ \text { (cfs) }}}{\text { (ction }}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Fifference } \\ \text { (ffs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| me 4 | 365417 | 2010 | Below Normal |  | February | -- | 27,247.7 | 27,24.9 | 5.8 | 0.0\% | 27,241.9 | 5.8 | 0.0\% | 27,240.7 | 6.9 | 0.0\% | 27,240.7 | 6.9 | 0.0\% | 27,240.7 | 6.9 | 0.0\% | 27,239.6 | 8.1 | 0.0\% |
| ME4 | 365417 | 2010 | Below Normal | March | - | 28,839,1 | 28,834.5 | 4.6 | 0.0\% | 28,833.3 | 5.8 | 0.0\% | 28,833.3 | 5.8 | 0.0\% | 28,83, 3 | 5.8 | 0.0\% | 28,832.2 | 6.9 | 0.0\% | 28,832.2 | 6.9 | 0.0\% |
| ME4 | 365417 | 2010 | Below Normal | April | - | 40,017.4 | 40,012.7 | 4.6 | 0.0\% | 40,012.7 | 4.6 | 0.0\% | 40,011.6 | 5.8 | 0.0\% | 40,011.6 | 5.8 | 0.0\% | 40,010.4 | 6.9 | 0.0\% | 40,010.4 | 6.9 | 0.0\% |
| me 4 | 365417 | 2010 | Below Normal | May | - | 20,272.0 | 20,262.7 | 9.3 | 0.0\% | 20,262.7 | 9.3 | 0.0\% | 20,261.6 | 10.4 | 0.1\% | 20,260.4 | 11.6 | 0.1\% | 20,259.3 | 12.7 | 0.1\% | 20,258.1 | 13.9 | 0.1\% |
| ME4 | 365417 | 2010 | Below Normal | June | - | 9,352.8 | 9,339.5 | ${ }^{13.3}$ | 0.1\% | 9,338.1 | 14.7 | 0.2\% | 9,336.8 | 16.0 | 0.2\% | 9,335.4 | 17.4 | 0.2\% | 9,334.1 | 18.6 | 0.2\% | 9,332.8 | 20.0 | 0.2\% |
| ME4 | 365417 | 2010 | Below Normal | July | - | 1,454.7 | 1,442.7 | 12.0 | 0.8\% | 1,441.6 | 13.2 | 0.9\% | 1,440.3 | 14.5 | 1.0\% | 1,439.1 | 15.6 | 1.1\% | 1,437.8 | 16.9 | 1.2\% | 1,436.7 | 18.1 | 1.2\% |
| ME4 | 365417 | 2010 | Below Normal | August | -- | 568.6 | 557.5 | 11.1 | 1.9\% | 556.4 | 12.1 | 2.1\% | 555.3 | 13.3 | 2.3\% | 554.2 | 14.4 | 2.5\% | 553.2 | 15.4 | 2.7\% | 552.1 | 16.5 | 2.9\% |
| ME4 | 365417 | 2010 | Below Normal | September | Used in Summary Table Analysis | 650.6 | 640.2 | 10.4 | 1.6\% | 639.2 | 11.4 | 1.8\% | 638.1 | 12.5 | 1.9\% | 637.1 | 13.5 | 2.1\% | 636.0 | 14.5 | 2.2\% | 635.0 | 15.6 | 2.4\% |
| ME4 | 365417 | 2011 | Wet | October | Used in Summary Table Analysis | 9,635.8 | 9,628.0 | 7.8 | 0.1\% | 9,627.2 | 8.6 | 0.1\% | 9,626.5 | 9.3 | 0.1\% | 9,625.7 | 10.1 | 0.1\% | 9,624.9 | 10.9 | 0.1\% | 9,624.1 | 11.7 | 0.1\% |
| ME4 | 365417 | 2011 | Wet | November | Used in Summary Table Analysis | 14,223,4 | 14,217.6 | 5.8 | 0.0\% | 14,216,4 | 6.9 | 0.0\% | 14,216.4 | 6.9 | 0.0\% | 14,215.3 | 8.1 | 0.1\% | 14,215.3 | 8.1 | 0.1\% | 14,214.1 | 9.3 | 0.1\% |
| ME4 | 365417 | 2011 | Wet | December | -- | 33,715.3 | 33,709.5 | 5.8 | 0.0\% | 33,709.5 | 5.8 | 0.0\% | 33,708.3 | 6.9 | 0.0\% | 33,708.3 | 6.9 | 0.0\% | 33,707.2 | 8.1 | 0.0\% | 33,707.2 | 8.1 | 0.0\% |
| ME4 | 365417 | 2011 | Wet | January | - | 14,159.7 | 14,155.1 | 4.6 | 0.0\% | 14,153.9 | 5.8 | 0.0\% | 14,153.9 | 5.8 | 0.0\% | 14,153.9 | 5.8 | 0.0\% | 14,152.8 | 6.9 | 0.0\% | 14,152.8 | 6.9 | 0.0\% |
| ME4 | 365417 | 2011 | Wet | February | -- | 20,770.8 | 20,766.2 | 4.6 | 0.0\% | 20,765.0 | 5.8 | 0.0\% | 20,765.0 | 5.8 | 0.0\% | 20,765.0 | 5.8 | 0.0\% | 20,763.9 | 6.9 | 0.0\% | 20,763.9 | 6.9 | 0.0\% |
| ME4 | 365417 | 2011 | Wet | March | - | 52,016.2 | 52,011.6 | 4.6 | 0.0\% | 52,011.6 | 4.6 | 0.0\% | 52,010.4 | 5.8 | 0.0\% | 52,010.4 | 5.8 | 0.0\% | 52,010.4 | 5.8 | 0.0\% | 52,009.3 | 6.9 | 0.0\% |
| ME4 | 365417 | 2011 | wet | April | - | 24,804.4 | 24,799.8 | 4.6 | 0.0\% | 24,799.8 | 4.6 | 0.0\% | 24,799.8 | 4.6 | 0.0\% | 24,798.6 | 5.8 | 0.0\% | 24,798.6 | 5.8 | 0.0\% | 24,798.6 | 5.8 | 0.0\% |
| ME4 | 365417 | 2011 | Wet | May | - | 11,385.0 | 11,376.4 | 8.6 | 0.1\% | 11,375.5 | 9.5 | 0.1\% | 11,374.5 | 10.4 | 0.1\% | 11,373.7 | 11.2 | 0.1\% | 11,372.8 | 12.2 | 0.1\% | 11,371.9 | 13.1 | 0.1\% |
| ME4 | 365417 | 2011 | Wet | June | - | 7,058.4 | 7,045.4 | 13.1 | 0.2\% | 7,044.1 | 14.4 | 0.2\% | 7,042.7 | 15.7 | 0.2\% | 7,041.4 | 17.0 | 0.2\% | 7,040.2 | 18.3 | 0.3\% | 7,038.9 | 19.6 | 0.3\% |
| ME4 | 365417 | 2011 | Wet | July | - | 1,828.8 | 1,816.0 | 12.8 | 0.7\% | 1,814.7 | 14.1 | 0.8\% | 1,813.4 | 15.4 | 0.8\% | 1,812.2 | 16.7 | 0.9\% | 1,810.9 | 17.9 | 1.0\% | 1,809.6 | 19.2 | 1.1\% |
| ME4 | 365417 | 2011 | Wet | August | -- | 776.6 | 765.7 | 10.9 | 1.4\% | 764.6 | 12.0 | 1.5\% | 763.5 | 13.1 | 1.7\% | 762.4 | 14.1 | 1.8\% | 761.3 | 15.2 | 2.0\% | 760.3 | 16.3 | 2.1\% |
| ME4 | 365417 | 2011 | Wet | September | Used in Summary Table Analysis | 433.1 | 423.2 | 9.8 | 2.3\% | 422.3 | 10.8 | 2.5\% | 421.3 | 11.8 | 2.7\% | 420.3 | 12.7 | 2.9\% | 4193 | 13.7 | 3.2\% | 418.3 | 14.7 | 3.4\% |
| ME4 | 365417 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,542.7 | 4,534.8 | 7.9 | 0.2\% | 4,534.0 | 8.7 | 0.2\% | 4,533.2 | 9.5 | 0.2\% | 4,532.4 | 10.3 | 0.2\% | 4,531.6 | 11.1 | 0.2\% | 4,530.8 | 11.9 | 0.3\% |
| me4 | 365417 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,241.0 | 8,234,7 | 6.3 | 0.1\% | 8,234,1 | 6.8 | 0.1\% | 8,233.4 | 7.5 | 0.1\% | 8,232.9 | 8.1 | 0.1\% | 8,232,2 | 8.8 | 0.1\% | 8,231.6 | 9.4 | 0.1\% |
| ME4 | 365417 | 2012 | Below Normal | December |  | 5,184,8 | 5,179.4 | 5.4 | 0.1\% | 5,178.8 | 6.0 | 0.1\% | 5,178.4 | 6.5 | 0.1\% | 5,177.8 | 7.1 | 0.1\% | 5,177.2 | 7.6 | 0.1\% | 5,176.6 | 8.2 | 0.2\% |
| ME4 | 365417 | 2012 | Below Normal | January | -- | 20,125.0 | 20,120.4 | 4.6 | 0.0\% | 20,119.2 | 5.8 | 0.0\% | 20,119.2 | 5.8 | 0.0\% | 20,118.1 | 6.9 | 0.0\% | 20,118, 1 | 6.9 | 0.0\% | 20,118.1 | 6.9 | 0.0\% |
| ME4 | 365417 | 2012 | Below Normal | February | - | 18,216.4 | 18,211.8 | 4.6 | 0.0\% | 18,211.8 | 4.6 | 0.0\% | 18,210.6 | 5.8 | 0.0\% | 18,210.6 | 5.8 | 0.0\% | 18,209.5 | 6.9 | 0.0\% | 18,209.5 | 6.9 | 0.0\% |
| ME4 | 365417 | 2012 | Below Normal | March |  | 45,436,3 | 45,431.7 | 4.6 | 0.0\% | 45,43.7 | 4.6 | 0.0\% | 45,430.6 | 5.8 | 0.0\% | 45,430.6 | 5.8 | 0.0\% | 45,430.6 | 5.8 | 0.0\% | 45,429.4 | 6.9 | 0.0\% |
| ME4 | 365417 | 2012 | Below Normal | April | -- | 26,864.6 | 26,860.0 | 4.6 | 0.0\% | 26,860.0 | 4.6 | 0.0\% | 26,860.0 | 4.6 | 0.0\% | 26,85.8 | 5.8 | 0.0\% | 26,858.8 | 5.8 | 0.0\% | 26,858.8 | 5.8 | 0.0\% |
| ME4 | 365417 | 2012 | Below Normal | May | - | 7,484,6 | 7,475.9 | 8.7 | 0.1\% | 7,475.0 | 9.6 | 0.1\% | 7,474.1 | 10.5 | 0.1\% | 7,473.1 | 11.5 | 0.2\% | 7,472.5 | 12.2 | 0.2\% | 7,471.6 | 13.0 | 0.2\% |
| ME4 | 365417 | 2012 | Below Normal | June | - | 5,517.5 | 5,504.2 | 13.3 | 0.2\% | 5,502.8 | 14.7 | 0.3\% | 5,501.5 | 16.0 | 0.3\% | 5,500.1 | 17.4 | 0.3\% | 5,498.8 | 18.6 | 0.3\% | 5,497.5 | 20.0 | 0.4\% |
| ME4 4 | ${ }^{365417}$ | 2012 | Below Normal | July | - | 2,224.9 | 2,212.4 | 12.5 | 0.6\% | 2,211.2 | 13.7 | 0.6\% | 2,210.0 | 14.9 | 0.7\% | 2,208.7 | 16.2 | 0.7\% | 2,207.4 | 17.5 | 0.8\% | 2,206.3 | 18.6 | 0.8\% |
| ME4 | 365417 | 2012 | Below Normal | August | -- | 388.2 | 378.2 | 10.0 | 2.6\% | 377.2 | 11.0 | 2.8\% | 376.2 | 12.0 | 3.1\% | 375.3 | 13.0 | 3.3\% | 374.3 | 14.0 | 3.6\% | 373.3 | 14.9 | 3.8\% |
| ME4 | 365417 | 2012 | Below Normal | September | Used in Summary Table Analysis | 248.7 | 2399 | 8.8 | 3.5\% | 239.0 | 9.7 | 3.9\% | 238.1 | 10.6 | 4.3\% | 237.2 | 11.5 | 4.6\% | 236.4 | 12.3 | 5.0\% | 235.5 | 13.2 | 5.3\% |
| ME4 | 365417 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,912.6 | 1,905.0 | 7.6 | 0.4\% | 1,904.2 | 8.4 | 0.4\% | 1,903.5 | 9.1 | 0.5\% | 1,902.7 | 10.0 | 0.5\% | 1,901.9 | 10.8 | 0.6\% | 1,901.2 | 11.5 | 0.6\% |
| ME4 | 365417 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,691.0 | 14,685.2 | 5.8 | 0.0\% | 14,684.0 | 6.9 | 0.0\% | 14,684.0 | 6.9 | 0.0\% | 14,682.9 | 8.1 | 0.1\% | 14,682.9 | 8.1 | 0.1\% | 14,681.7 | 9.3 | 0.1\% |
| ME4 4 | ${ }^{365417}$ | 2013 | Below Normal | December | - | 60,004.6 | 59,998.8 | 5.8 | 0.0\% | 59,998.8 | 5.8 | 0.0\% | 59,997.7 | 6.9 | 0.0\% | 59,997.7 | 6.9 | 0.0\% | 59,996.5 | 8.1 | 0.0\% | 59,996.5 | 8.1 | 0.0\% |
| ME4 | 365417 | 2013 | Below Normal | January |  | 22,206.0 | 22,201.4 | 4.6 | 0.0\% | 22,201.4 | 4.6 | 0.0\% | 22,200.2 | 5.8 | 0.0\% | 22,200.2 | 5.8 | 0.0\% | 22,200.2 | 5.8 | 0.0\% | 22,199.1 | 6.9 | 0.0\% |
| ME 4 | 365417 365417 | 2013 | Below Normal | February | - | $8,847.8$ 10,3380 | $8,843.4$ <br> 103286 <br> 8.8 | 4.4 4.4 | 0.0\% |  | 4.9 | 0.1\% | $8,842.5$ 103278 | 5.3 | ${ }^{0.1 \%}$ | $8,842.0$ 103273 S | 5.8 <br> 5 | ${ }^{0.1 \%}$ | $8,841.6$ 10,3269 | ${ }_{6}^{6.3}$ | 0.1\% | $8,841.1$ 10326. 8, | ${ }_{6}^{6.7}$ | ${ }^{0.1 \%}$ |
| ME4 | 365417 | 2013 | Below Normal Below Normal | March April | -- | 10,333.0 | 10,328.6 | 4.4 8.3 | $0.0 \%$ $0.1 \%$ | $10,328.1$ <br> $8,282.8$ <br> , 26.8 | 4.9 9.1 | 0.0\% | $10,327.8$ $8,281.9$ | 5.2 10.0 10.0 | 0.1\% | $10,327.3$ $8,281.1$ | $\begin{aligned} & 5.7 \\ & 10.8 \end{aligned}$ | 0.1\% | $10,326.9$ $8,880.3$ | 6.1 <br> 11.6 <br> 1.6 | 0.1\% | $10,326.4$ <br> 8.279 .5 <br> , 4 | 6.6 12.4 12.4 | 0.1\% |
| ME4 | 365417 | 2013 | Below Normal | May | - | 4,431.9 | 4,421.9 | 10.1 | 0.2\% | 4,420.9 | 11.0 | 0.2\% | 4,419.9 | 12.0 | 0.3\% | 4,418.9 | 13.1 | 0.3\% | 4,417.9 | 14.0 | 0.3\% | 4,416.9 | 15.0 | 0.3\% |
| ME4 | 365417 | 2013 | Below Normal | June | -- | 2,110.6 | 2,098.6 | 12.0 | 0.6\% | 2,097.5 | 13.2 | 0.6\% | 2,096.3 | 14.4 | 0.7\% | 2,095.0 | 15.6 | 0.7\% | 2,093.9 | 16.8 | 0.8\% | 2,092.7 | 17.9 | 0.8\% |
| ME4 | 365417 | 2013 | Below Normal | July | -- | 718.1 | 706.6 | 11.5 | 1.6\% | 705.5 | 12.7 | 1.8\% | 704.3 | 13.8 | 1.9\% | 703.1 | 15.0 | 2.1\% | 702.0 | 16.1 | 2.2\% | 700.8 | 17.3 | 2.4\% |
| ME4 | 365417 | 2013 | Below Normal | August | - | 339.9 | 329.2 | 10.7 | 3.2\% | 328.1 | ${ }^{11.8}$ | 3.5\% | 327.1 | 12.9 | 3.8\% | 326.0 | 13.9 | 4.1\% | 324.9 | 15.0 | 4.4\% | 323.9 | 16.1 | 4.7\% |
| ME4 | 365417 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,787.4 | 4,776.3 | 11.1 | 0.2\% | 4,775.2 | 12.2 | 0.3\% | 4,774.1 | 13.3 | 0.3\% | 4,773.0 | 14.4 | 0.3\% | 4,771.9 | 15.5 | 0.3\% | 4,770.7 | 16.7 | 0.3\% |
| ME4 | 365417 | 2014 | Critical | October | Used in Summary Table Analysis | 281.0 | 273.0 | 8.0 | 2.8\% | 272.2 | 8.8 | 3.1\% | 271.4 | 9.6 | 3.4\% | 270.6 | 10.4 | 3.7\% | 269.8 | 11.2 | 4.0\% | 269.1 | 11.9 | 4.3\% |
| ME4 | 365417 | 2014 | Critical | November | Used in Summary Table Analysis | 1,538.7 | 1,532.3 | 6.4 | 0.4\% | 1,531.6 | 7.1 | 0.5\% | 1,531.0 | 7.6 | 0.5\% | 1,530.3 | 8.3 | 0.5\% | 1,529.6 | 9.0 | 0.6\% | 1,529.1 | 9.6 | 0.6\% |
| ME4 | 365417 | 2014 | Critical | December | -- | 1,590.0 | 1,584.5 | 5.6 | 0.3\% | 1,583.9 | 6.1 | 0.4\% | 1,583.3 | 6.7 | 0.4\% | 1,582.8 | 7.3 | 0.5\% | 1,582.2 | 7.9 | 0.5\% | 1,581.6 | 8.4 | 0.5\% |
| ME4 | 365417 | 2014 | Critical | January |  | 2,822.0 | 2,817.0 | 5.0 | 0.2\% | 2,816.6 | 5.4 | 0.2\% | 2,816.1 | 5.9 | 0.2\% | 2,815.5 | 6.5 | 0.2\% | $2,815.0$ 15788 | ${ }^{6} 9$ | 0.2\% | 2,814.5 | 7.5 | 0.3\% |
| ME4 | 365417 | 2014 | Critical | February | -- | 15,754.6 | 15,750.0 | 4.6 | 0.0\% | 15,750.0 | 4.6 | 0.0\% | 15,750.0 | 4.6 | 0.0\% | 15,748.8 | 5.8 | 0.0\% | 15,748.8 | 5.8 | 0.0\% | 15,747.7 | 6.9 | 0.0\% |
| ME 4 | 365417 365417 | 2014 | ${ }^{\text {critical }}$ | March | - | 31,489.6 | $31,485.0$ 12982 | 4.6 | 0.0\% | $31,485.0$ 12,9815 | 4.6 | 0.0\% | $31,483.8$ 129815 | 5.8 | 0.0\% | $31,483.8$ 12988 | ${ }^{5.8}$ | 0.0\% | $31,482.6$ <br> 129792 | 6.9 | 0.0\% | $31,482.6$ 12,988 | 6.9 | 0.0\% |
| ME4 | ${ }^{365447}$ | 2014 | Critical | April | - | 12,991.9 | ${ }_{1}^{12,982.6}$ | 9.3 | 0.1\% | 12,981.5 | 10.4 | 0.1\% | 12,981.5 | 10.4 | 0.1\% | 12,980.3 | 11.6 | ${ }^{0.1 \%}$ | 12,979.2 | 12.7 | 0.1\% | 12,978.0 | 13.9 | 0.1\% |
| ME4 | 365417 <br> 365417 | 2014 | ${ }_{\text {critical }}$ | May | - | 5,188.9 1,1981 | $5,178.4$ <br> 1,1837 | 10.5 | 0.2\% | $5,177.3$ 11823 | ${ }_{11.6}$ | 0.2\% | $5,176.3$ 1,1809 | 12.6 | 0.2\% | $5,175.2$ 1179.4 | 13.7 188 | 0.3\% | $5,174.2$ 11780 1 | 14.7 |  | 5,173.0 | 15.9 | 0.3\% <br> $1.8 \%$ |
| ME 4 ME4 | 365417 365417 | 2014 | Critical Critical | June July | $\cdots$ | $1,198.1$ 545.9 | 1,183.7 <br> 532.8 | $\begin{aligned} & 14.5 \\ & { }_{13.2} \end{aligned}$ | $1.2 \%$ $2.4 \%$ | 1,1822.3 531.4 | 15.9 14.5 | 1.3\% | 1,180.9 530.1 | 17.2 15.8 | $1.4 \%$ $2.9 \%$ | 1,179.4 <br> 528.8 | 18.8 17.1 | 3.1.\% | 1,178.0 527.5 | 20.1 18.4 | $1.7 \%$ $3.4 \%$ | $1,176.5$ 526.2 | 21.6 19.7 | 1.8\% |
| ME4 | 365417 | 2014 | Critical | August | - | 347.9 | 335.4 | 12.5 | 3.6\% | 334.1 | 13.7 | 3.9\% | 332.9 | 15.0 | 4.3\% | 331.6 | 16.2 | 4.7\% | 330.4 | 17.5 | 5.0\% | 329.2 | 18.7 | 5.4\% |
| ME4 | 365417 | 2014 | Critical | September | Used in Summary Table Analysis | 2,573.8 | 2,561.7 | 12.2 | 0.5\% | 2,560.5 | 13.3 | 0.5\% | 2,559.3 | 14.6 | 0.6\% | 2,558.1 | 15.7 | 0.6\% | 2,556.9 | 16.9 | 0.7\% | 2,555.7 | 18.2 | 0.7\% |
| ME4 | 365417 | 2015 | Dry | October | Used in Summary Table Analysis | 11,364.8 | 11,355.6 | 9.3 | 0.1\% | 11,354.7 | 10.1 | 0.1\% | 11,353.8 | 11.0 | 0.1\% | 11,352.2 | 12.6 | 0.1\% | 11,351.3 | 13.5 | 0.1\% | 11,350.3 | 14.5 | 0.1\% |
| ME4 4 | 365417 | 2015 | Dry | November | Used in Summary Table Analysis | 9,042.7 | ${ }^{9,035.8}$ | ${ }^{6.9}$ | 0.1\% | 9,035.0 | 7.8 | 0.1\% | 9,034.3 | 8.4 | 0.1\% | 9,033.6 | 9.1 | 0.1\% |  | ${ }^{9.8}$ | 0.1\% |  | 10.5 | 0.1\% |
| ME4 | 365417 | 2015 | Dry | December | -- | 32,631.9 | 32,626.2 | 5.8 | 0.0\% | 32,625.0 | 6.9 | 0.0\% | 32,625.0 | 6.9 | 0.0\% | 32,623.8 | 8.1 | 0.0\% | 32,623.8 | 8.1 | 0.0\% | 32,622.7 | 9.3 | 0.0\% |
| ME4 4 | 365417 | 2015 | Dry | January | -- | 14,581.0 | 14,575.2 | 5.8 | 0.0\% | 14,574.1 | 6.9 | 0.0\% | 14,574.1 | ${ }_{6}^{6.9}$ | 0.0\% | 14,574.1 | ${ }^{6.9}$ | 0.0\% | 14,572.9 | 8.1 6.9 | 0.1\% | $14,572.9$ <br> $\mathbf{2 7 , 2 3 2 6}$ <br> 1.562 | 8.1 6.9 | 0.1\% $0.0 \%$ 0.0 |
| ME 4 ME 4 | 365417 365417 | 2015 | Dry Dry | February March | -- | $27,239.6$ $11,572.7$ | $27,235.0$ $11,568.4$ | 4.6 4.3 | 0.0\% $0.0 \%$ | $27,235.0$ $11,567.9$ | 4.6 4.7 | $0.0 \%$ $0.0 \%$ | $27,233.8$ $11,567.5$ | 5.8 5.2 | 0.0\% $0.0 \%$ | $27,233.8$ $11,567.0$ | 5.8 5.7 | 0.0\% $0.0 \%$ | $27,232.6$ $11,566.6$ | 6.9 6.1 | 0.0\% | $27,232.6$ $11,56.2$ | 6.9 6.5 | 0.0\% |
| ME4 | 365417 | 2015 | Dry | April | -- | 8,390.5 | 8,381.8 | 8.7 | 0.1\% | 8,380.9 | 9.6 | 0.1\% | 8,380.1 | 10.4 | 0.1\% | 8,379.2 | 11.3 | 0.1\% | 8,378.2 | 12.3 | 0.1\% | 8,377.4 | 13.1 | 0.2\% |
| ME4 | 365417 | 2015 | Dry | May | - | 1,509.3 | 1,498.8 | 10.4 | 0.7\% | 1,497.8 | 11.5 | 0.8\% | 1,496.8 | 12.5 | 0.8\% | 1,495.7 | 13.5 | 0.9\% | 1,494.7 | 14.6 | 1.0\% | 1,993.6 | 15.6 | 1.0\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  |  |  |  |  |  |  | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water <br> Reach) | Water Year | Water Year Type | Month | Note | Without <br> Pumping <br> (cfs) | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent <br> Difference | Flow (cfs) |  | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME4 | 365417 | 2015 | Dry | June | -- | 652.6 | 6393 | 13.3 | 2.0\% | 637.9 | 14.7 | 2.2\% | 636.6 | 16.0 | 2.5\% | 635.3 | 17.3 | 2.7\% | 633.9 | 18.7 | 2.9\% | 632.6 | 20.0 | 3.1\% |
| me4 | 365417 | 2015 | Dry | July | - | 268.6 | 255.7 | 12.9 | 4.8\% | 254.4 | 14.2 | 5.3\% | 253.1 | 15.5 | 5.8\% | 251.8 | 16.8 | 6.2\% | 250.5 | 18.0 | 6.7\% | 249.2 | 19.3 | 7.2\% |
| me4 | 365417 | 2015 | Dry | August | -- | 166.2 | 153.8 | 12.4 | 7.5\% | 152.6 | 13.6 | 8.2\% | 151.4 | 14.9 | 8.9\% | 150.1 | 16.1 | 9.7\% | 148.9 | 17.3 | 10.4\% | 147.7 | 18.6 | 11.2\% |
| ME4 | 365417 | 2015 | Dry | September | Used in Summary Table Analysis | 120.5 | 109.5 | 11.0 | 9.1\% | 108.4 | 12.1 | 10.0\% | 107.3 | 13.2 | 11.0\% | 106.2 | 14.3 | 11.9\% | 105.1 | 15.4 | 12.8\% | 104.0 | 16.5 | 13.7\% |
| ME4 | 365417 | 2016 | Above Normal | October | Used in Summary Table Analysis | 85.8 | 76.5 | 9.3 | 10.8\% | 75.5 | 10.3 | 12.0\% | 74.6 | 11.2 | 13.1\% | 74.2 | 11.6 | 13.5\% | 73.5 | 12.4 | 14.4\% | 72.2 | 13.7 | 15.9\% |
| ME4 | 365417 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,868.8 | 3,861.7 | 7.1 | 0.2\% | 3,861.0 | 7.8 | 0.2\% | 3,860.3 | 8.4 | 0.2\% | 3,859.5 | 9.3 | 0.2\% | 3,858.8 | 10.0 | 0.3\% | 3,858.1 | 10.6 | 0.3\% |
| me4 | 365417 | 2016 | Above Normal | December - |  | 36,636.6 | 36,629.6 | 6.9 | 0.0\% | 36,629.6 | 6.9 | 0.0\% | 36,628.5 | 8.1 | 0.0\% | 36,627.3 | 9.3 | 0.0\% | 36,627.3 | 9.3 | 0.0\% | 36,626.2 | 10.4 | 0.0\% |
| me4 | 365417 | 2016 | Above Normal | January | -- | 57,335.6 | 57,329.9 | 5.8 | 0.0\% | 57,329.9 | 5.8 | 0.0\% | 57,328.7 | 6.9 | 0.0\% | 57,327.5 | 8.1 | 0.0\% | 57,327.5 | 8.1 | 0.0\% | 57,326.4 | 9.3 | 0.0\% |
| ME4 | 365417 | 2016 | Above Normal | February | -- | 24,273.1 | 24,268.5 | 4.6 | 0.0\% | 24,267.4 | 5.8 | 0.0\% | 24,267.4 | 5.8 | 0.0\% | 24,266.2 | 6.9 | 0.0\% | 24,266.2 | 6.9 | 0.0\% | 24,265.0 | 8.1 | 0.0\% |
| ME4 | 365417 | 2016 | Above Normal | March | -- | 41,785.9 | 41,781.3 | 4.6 | 0.0\% | 41,781.3 | 4.6 | 0.0\% | 41,780.1 | 5.8 | 0.0\% | 41,780.1 | 5.8 | 0.0\% | 41,780.1 | 5.8 | 0.0\% | 41,778.9 | 6.9 | 0.0\% |
| me4 | 365417 | 2016 | Above Normal | April | - | 18,540.5 | 18,537.0 | 3.5 | 0.0\% | 18,535.9 | 4.6 | 0.0\% | 18,535.9 | 4.6 | 0.0\% | 18,534.7 | 5.8 | 0.0\% | 18,534.7 | 5.8 | 0.0\% | 18,534.7 | 5.8 | 0.0\% |
| ME4 | 365417 | 2016 | Above Normal | May | - | 5,216.6 | 5,211.3 | 5.2 | 0.1\% | 5,210.8 | 5.8 | 0.1\% | 5,210.2 | 6.4 | 0.1\% | 5,209.7 | 6.8 | 0.1\% | 5,209.1 | 7.4 | 0.1\% | 5,208.6 | 8.0 | 0.2\% |
| me4 | 365417 | 2016 | Above Normal | June | -- | 1,509.6 | 1,499.2 | 10.4 | 0.7\% | 1,498.1 | 11.5 | 0.8\% | 1,497.1 | 12.5 | 0.8\% | 1,496.1 | 13.5 | 0.9\% | 1,495.0 | 14.6 | 1.0\% | 1,494.0 | 15.6 | 1.0\% |
| ME4 | 365417 | 2016 | Above Normal | July | - | 822.9 | 811.5 | 11.4 | 1.4\% | 810.4 | 12.5 | 1.5\% | 809.3 | 13.6 | 1.7\% | 808.1 | 14.8 | 1.8\% | 807.0 | 15.9 | 1.9\% | 805.9 | 17.0 | 2.1\% |
| ME4 | 365417 | 2016 | Above Normal | August | - | 491.4 | 480.4 | 11.0 | 2.2\% | 479.3 | 12.1 | 2.5\% | 478.2 | 13.2 | 2.7\% | 477.1 | 14.3 | 2.9\% | 476.0 | 15.4 | 3.1\% | 474.9 | 16.5 | 3.4\% |
| me4 | 365417 | 2016 | Above Normal | September | Used in Summary Table Analysis | 327.7 | 318.0 | 9.7 | 3.0\% | 317.0 | 10.7 | 3.3\% | 316.1 | 11.7 | 3.6\% | 315.1 | 12.7 | 3.9\% | 314.1 | 13.6 | 4.2\% | 313.1 | 14.6 | 4.5\% |
| me4 | 365417 | 2017 | Wet | October | Used in Summary Table Analysis | 18,289.4 | 18,282.4 | 6.9 | 0.0\% | 18,281.3 | 8.1 | 0.0\% | 18,280.1 | 9.3 | 0.1\% | 18,280.1 | 9.3 | 0.1\% | 18,278.9 | 10.4 | 0.1\% | 18,277.8 | 11.6 | 0.1\% |
| me4 | 365417 | 2017 | Wet | November | Used in Summary Table Analysis | 18,831.0 | 18,824.1 | 6.9 | 0.0\% | 18,824.1 | 6.9 | 0.0\% | 18,822.9 | 8.1 | 0.0\% | 18,822.9 | 8.1 | 0.0\% | 18,821.8 | 9.3 | 0.0\% | 18,821.8 | 9.3 | 0.0\% |
| me4 | 365417 | 2017 | Wet | December - |  | 24,121.5 | 24,116.9 | 4.6 | 0.0\% | 24,115.7 | 5.8 | 0.0\% | 24,115.7 | 5.8 | 0.0\% | 24,114.6 | 6.9 | 0.0\% | 24,114.6 | 6.9 | 0.0\% | 24,114.6 | 6.9 | 0.0\% |
| ME4 | 365417 | 2017 | Wet | January | -- | 106,928.2 | 106,923.6 | 4.6 | 0.0\% | 106,923.6 | 4.6 | 0.0\% | 106,922.5 | 5.8 | 0.0\% | 106,922.5 | 5.8 | 0.0\% | 106,921.3 | 6.9 | 0.0\% | 106,921.3 | 6.9 | 0.0\% |
| me4 | 365417 | 2017 | Wet | February | -- | 81,856.5 | $81,851.9$ | 4.6 | 0.0\% | 81,850.7 | 5.8 | 0.0\% | 81,850.7 | 5.8 | 0.0\% | 81,849.5 | 6.9 | 0.0\% | 81,849.5 | 6.9 | 0.0\% | 81,849.5 | 6.9 | 0.0\% |
| me4 | 365417 | 2017 | wet | March | - | 27,281.3 | 27,276.6 | 4.6 | 0.0\% | 27,276.6 | 4.6 | 0.0\% | 27,276.6 | 4.6 | 0.0\% | 27,275.5 | 5.8 | 0.0\% | 27,275.5 | 5.8 | 0.0\% | 27,274.3 | 6.9 | 0.0\% |
| me4 | 365417 | 2017 | Wet | April | - | 22,942.1 | 22,938.7 | 3.5 | 0.0\% | 22,938.7 | 3.5 | 0.0\% | 22,937.5 | 4.6 | 0.0\% | 22,937.5 | 4.6 | 0.0\% | 22,936.3 | 5.8 | 0.0\% | 22,936.3 | 5.8 | 0.0\% |
| me4 | 365417 | 2017 | Wet | May | - | 6,273.8 | 6,268.5 | 5.3 | 0.1\% | 6,267.9 | 5.9 | 0.1\% | 6,267.4 | 6.5 | 0.1\% | 6,266.9 | 6.9 | 0.1\% | 6,266.3 | 7.5 | 0.1\% | 6,265.7 | 8.1 | 0.1\% |
| ME4 | 365417 | 2017 | Wet | June | -- | 2,116.9 | 2,106.4 | 10.5 | 0.5\% | 2,105.3 | 11.6 | 0.5\% | 2,104.2 | 12.7 | 0.6\% | 2,103.1 | 13.8 | 0.7\% | 2,102.1 | 14.8 | 0.7\% | 2,101.0 | 15.9 | 0.7\% |
| ME4 | 365417 | 2017 | Wet | July | - | 934.2 | 922.7 | 11.5 | 1.2\% | 921.6 | 12.6 | 1.4\% | 920.4 | 13.8 | 1.5\% | 919.3 | 14.9 | 1.6\% | 918.1 | 16.1 | 1.7\% | 917.0 | 17.2 | 1.8\% |
| me4 | 365417 | 2017 | Wet | August | -- | 506.3 | 495.2 | 11.1 | 2.2\% | 494.1 | 12.2 | 2.4\% | 493.0 | 13.3 | 2.6\% | 491.9 | 14.4 | 2.8\% | 490.8 | 15.5 | 3.1\% | 489.7 | 16.6 | 3.3\% |
| me4 | 365417 | 2017 | Wet | September | Used in Summary Table Analysis | 322.4 | 312.3 | 10.1 | 3.1\% | 311.3 | 11.1 | 3.5\% | 310.2 | 12.2 | 3.8\% | 309.2 | 13.2 | 4.1\% | 308.2 | 14.2 | 4.4\% | 307.2 | 15.2 | 4.7\% |
| me4 | 365417 | 2018 | Above Normal | October | Used in Summary Table Analysis | 275.1 | 268.0 | 7.1 | 2.6\% | 266.9 | 8.3 | 3.0\% | 265.9 | 9.2 | 3.3\% | 264.9 | 10.2 | 3.7\% | 264.0 | 11.1 | 4.0\% | 263.2 | 11.9 | 4.3\% |
| ME4 4 | 365417 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,794.3 | 10,788.2 | 6.1 | 0.1\% | 10,787.6 | 6.7 | 0.1\% | 10,787.0 | 7.3 | 0.1\% | 10,786.3 | 8.0 | 0.1\% | 10,785.8 | 8.6 | 0.1\% | 10,785.1 | 9.3 | 0.1\% |
| ME4 | 365417 | 2018 | Above Normal | December - |  | 5,446.6 | 5,441.4 | 5.2 | 0.1\% | 5,441.0 | 5.7 | 0.1\% | 5,440.4 | 6.3 | 0.1\% | 5,439.8 | 6.8 | 0.1\% | 5,439.4 | 7.3 | 0.1\% | 5,438.8 | 7.9 | 0.1\% |
| me4 | 365417 | 2018 | Above Normal | January | -- | 17,785.9 | 17,781.3 | 4.6 | 0.0\% | 17,781.3 | 4.6 | 0.0\% | 17,780.1 | 5.8 | 0.0\% | 17,780.1 | 5.8 | 0.0\% | 17,778.9 | 6.9 | 0.0\% | 17,778.9 | 6.9 | 0.0\% |
| ME4 | 365417 | 2018 | Above Normal | February - |  | 7,598.4 | 7,594.2 | 4.2 | 0.1\% | 7,593.8 | 4.6 | 0.1\% | 7,593.3 | 5.1 | 0.1\% | 7,592.9 | 5.4 | 0.1\% | $7,592.5$ | 5.9 | 0.1\% | 7,592.0 | 6.4 | 0.1\% |
| me4 | 365417 | 2018 | Above Normal | March | -- | 20,703.7 | 20,699.1 | 4.6 | 0.0\% | 20,699.1 | 4.6 | 0.0\% | 20,699.1 | 4.6 | 0.0\% | 20,697.9 | 5.8 | 0.0\% | 20,697.9 | 5.8 | 0.0\% | 20,697.9 | 5.8 | 0.0\% |
| ME4 | 365417 | 2018 | Above Normal | April | - | 32,206.0 | 32,201.4 | 4.6 | 0.0\% | 32,201.4 | 4.6 | 0.0\% | 32,201.4 | 4.6 | 0.0\% | 32,200.2 | 5.8 | 0.0\% | 32,200.2 | 5.8 | 0.0\% | 32,200.2 | 5.8 | 0.0\% |
| ME4 | 365417 | 2018 | Above Normal | May |  | 6,989.6 | 6,981.3 | 8.3 | 0.1\% | 6,980.4 | 9.1 | 0.1\% | 6,979.6 | 10.0 | 0.1\% | 6,978.8 | 10.8 | 0.2\% | 6,978.0 | 11.6 | 0.2\% | 6,977.1 | 12.5 | 0.2\% |
| ME4 | 365417 365417 | 2018 | Above Normal | June | - | ${ }_{1}^{1,914.1}$ | $1,903.4$ 7697 | 10.8 | 0.6\% | ${ }^{1,9022.3}$ | 11.8 | ${ }^{0.6 \%}$ | $1,961.3$ 7675 | 12.8 | ${ }^{0.7 \%}$ | $1,900.2$ 7663 | 13.9 | 0.7\% | $1,899.1$ 7651 | 15.0 | ${ }^{0.8 \%}$ | $1,888.0$ 7640 | 16.1 | ${ }^{0.8 \%}$ |
| ME4 | 365417 | 2018 | Above Normal | July | - | 781.2 | 769.7 | 11.5 | 1.5\% | 768.6 | 12.6 | 1.6\% | 767.5 | 13.8 | 1.8\% | 766.3 | 14.9 | 1.9\% | 765.2 | 16.1 | 2.1\% | 764.0 | 17.2 | 2.2\% |
| me4 | 365417 | 2018 | Above Normal | August | -- | 442.3 | 431.7 | 10.6 | 2.4\% | 430.7 | 11.7 | 2.6\% | 429.6 | 12.7 | 2.9\% | 428.6 | 13.8 | 3.1\% | 427.5 | 14.8 | 3.4\% | 426.4 | 15.9 | 3.6\% |
| ME4 | 365417 | 2018 | Above Normal | September | Used in Summary Table Analysis | 299.7 | 289.6 | 10.1 | 3.4\% | 288.6 | 11.1 | 3.7\% | 287.6 | 12.2 | 4.1\% | 286.6 | 13.2 | 4.4\% | ${ }^{285.6}$ | 14.2 | 4.7\% | 284.5 <br> 195 | 15.2 | ${ }_{5}^{5.1 \%}$ |
| ME4 | 365417 | 2019 | Below Normal | October | Used in Summary Table Analysis | 207.6 | 199.8 | 7.8 | 3.8\% | 199.0 | 8.6 | 4.2\% | 198.2 | 9.4 | 4.5\% | 197.4 | 10.2 | 4.9\% | 196.7 | 10.9 | 5.3\% | 195.9 | 11.7 | 5.6\% |
| ME4 | 365417 365417 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,625.3 |  | ${ }_{6}^{6.3}$ | 0.1\% | $6,618.5$ 146,63 | ${ }_{5}^{6.8}$ | ${ }^{0.1 \%}$ | 6,417.9 1 | 7.4 58 | ${ }^{0.1 \%}$ | 6,6617.2 | 8.1 6.9 | ${ }^{0.1 \%}$ | ¢,6616.7 | 8.7 | ${ }^{0.1 \%}$ | ${ }^{6,416.0}$ | 9.4 | ${ }^{0.1 \%}$ |
| ME 4 ME 4 | 365417 <br> 365417 <br> 6547 | 2019 2019 | Below Normal Below Normal | December January |  | $14,669.0$ 35.226 .9 | $14,664.4$ 35.222 .2 | 4.6 | 0.0\% | 14,663.2 | $\begin{aligned} & 5.8 \\ & 4.6 \end{aligned}$ | 0.0\% $0.0 \%$ | $14,663.2$ 35,22.2 | 5.8 4.6 | 0.0\% $0.0 \%$ | $14,662.0$ 35.221 .1 | 6.9 5.8 | - | $14,662.0$ 35.221 .1 | 6.9 5.8 | - | $14,660.9$ 35.219 .9 | 8.1 6.9 | - |
| ME4 | 365417 | 2019 | Below Normal | February - | -- | 141,932.9 | 141,921.3 | 11.6 | 0.0\% | 141,921.3 | 11.6 | 0.0\% | 141,921.3 | 11.6 | 0.0\% | 141,921.3 | 11.6 | 0.0\% | 141,921.3 | 11.6 | 0.0\% | 141,921.3 | 11.6 | 0.0\% |
| me4 | 365417 | 2019 | Below Normal | March |  | 42,327.5 | 42,324.1 | 3.5 | 0.0\% | 42,322.9 | 4.6 | 0.0\% | 42,322.9 | 4.6 | 0.0\% | 42,321.8 | 5.8 | 0.0\% | 42,321.8 | 5.8 | 0.0\% | 42,321.8 | 5.8 | 0.0\% |
| me4 | 365417 | 2019 | Below Normal | April | - | 15,275.5 | 15,270.8 | 4.6 | 0.0\% | 15,270.8 | 4.6 | 0.0\% | 15,270.8 | 4.6 | 0.0\% | 15,269.7 | 5.8 | 0.0\% | 15,269.7 | 5.8 | 0.0\% | 15,269.7 | 5.8 | 0.0\% |
| ME4 | 365417 | 2019 | Below Normal | May | - | 16,946.8 | 16,938.7 | 8.1 | 0.0\% | 16,937.5 | 9.3 | 0.1\% | 16,936.3 | 10.4 | 0.1\% | 16,935.2 | 11.6 | 0.1\% | 16,934.0 | 12.7 | 0.1\% | 16,934.0 | 12.7 | 0.1\% |
| me4 | 365417 | 2019 | Below Normal | June | - | 4,243.8 | 4,232.2 | 11.6 | 0.3\% | 4,231.0 | 12.7 | 0.3\% | 4,229.9 | 13.9 | 0.3\% | 4,228.7 | 15.0 | 0.4\% | 4,227.4 | 16.3 | 0.4\% | 4,226.3 | 17.5 | 0.4\% |
| ME4 | 365417 | 2019 | Below Normal | July | - | 1,361.1 | 1,349.5 | 11.6 | 0.9\% | 1,348.4 | 12.7 | 0.9\% | 1,347.3 | 13.8 | 1.0\% | 1,346.2 | 14.9 | ${ }^{1.1 \%}$ | 1,34500 580.0 | 16.1 | ${ }^{1.2 \%}$ | 1,3433 <br> 5798 | 17.2 | 1.3\% |
| ME 4 | 365417 | 2019 | Below Normal | August | -- | 596.2 | 585.3 | 10.9 | 1.8\% | 584.2 | 12.0 | 2.0\% | 583.1 | 13.1 | 2.2\% | 582.0 | 14.2 | 2.4\% | 580.9 | 15.3 | 2.6\% | 579.8 | 16.4 | 2.7\% |
| ME4 | 365417 <br> 365417 | 2019 | Below Normal | September | Used in Summary Table Analysis | 462.4 | 452.3 | 10.1 <br> 75 | 2.2\% | 451.3 3473 | ${ }_{81}^{11.1}$ | $2.4 \%$ 2.36 | 450.3 <br> 346.6 | 12.1 | 2.6\% | 449.3 <br> 3458 | 13.1 | 2.8\% | 488.2 | 14.1 | $3.1 \%$ <br> $2.0 \%$ | 447.2 374.3 | 15.1 | 3.3\% |
| ME 4 ME 4 | 365417 365417 | 2020 2020 | Dry Dry | October | Used in Summary Table Analysis | 355.6 319.1 | 348.1 313.3 | 7.5 5.8 | 2.1.\% | 347.3 312.7 | 8.2 6.4 | $2.3 \%$ 2.0\% | 344.6 312.1 | ${ }^{9.0}$ | 2.5\% | 345.8 311.5 | 9.7 7.6 | 2.7\% | 345.1 310.9 | 10.5 8.2 | 2.9\%\% | 344.3 310.3 | ${ }_{8.8}^{11.2}$ | 3.2\% |
| ME4 | 365417 | 2020 | Dry | December - |  | 13,289.4 | 13,284,7 | 4.6 | 0.0\% | 13,283.6 | 5.8 | 0.0\% | 13,283.6 | 5.8 | 0.0\% | 13,282.4 | 6.9 | 0.1\% | 13,282.4 | 6.9 | 0.1\% | 13,281.3 | 8.1 | 0.1\% |
| ME4 | 365417 | 2020 | Dry | January | - | 22,334.5 | 22,328.7 | 5.8 | 0.0\% | 22,328.7 | 5.8 | 0.0\% | 22,328.7 | 5.8 | 0.0\% | 22,327.5 | 6.9 | 0.0\% | 22,327.5 | 6.9 | 0.0\% | 22,326.4 | 8.1 | 0.0\% |
| me4 | 365417 | 2020 | Dry | February - | -- | 7,415.5 | 7,411.2 | 4.3 | 0.1\% | 7,410.8 | 4.7 | 0.1\% | 7,410.3 | 5.2 | 0.1\% | 7,409.8 | 5.7 | 0.1\% | 7,409.4 | 6.1 | 0.1\% | 7,409.0 | 6.5 | 0.1\% |
| ME4 | 365417 | 2020 | Dry | March | - | 7,244.8 | 7,240.7 | 4.1 | 0.1\% | 7,240.4 | 4.4 | 0.1\% | 7,2399, | 4.9 | 0.1\% | 7,239.5 | 5.3 | 0.1\% | 7,239.1 | 5.7 | ${ }^{0.1 \%}$ | 7,238.7 54770.5 | ${ }_{6}^{6.1}$ | ${ }^{0.1 \%}$ |
| me4 | 365417 | 2020 | Dry | April | - | 5,483.6 | 5,474.9 | 8.7 | 0.2\% | 5,474.0 | 9.6 | 0.2\% | 5,473.1 | 10.4 | 0.2\% | 5,472.2 | 11.3 | 0.2\% | 5,471.4 | 12.2 | 0.2\% | 5,470.5 | 13.1 | 0.2\% |
| ME4 | 365417 | 2020 | Dry | May | - | 7,377.5 | 7,367.1 | 10.4 | 0.1\% | 7,366.1 | 11.5 15.2 | 0.2\% | 7,365.0 | ${ }_{12.5}$ | ${ }^{0.2 \%}$ | 7,364.0 | 13.5 | ${ }^{0.2 \%}$ | $7,363.0$ <br> 2085 | 14.6 | 0.2\% | $7,361.9$ <br> , 084 | 15.6 | 0.2\% <br> $1.0 \%$ |
| ME4 | 365417 | 2020 | Dry | June | - | 2,104.7 | 2,091.0 | 13.8 | 0.7\% | 2,089.6 | 15.2 | 0.7\% | 2,088.2 | 16.6 | 0.8\% | 2,086.8 | 17.9 | 0.9\% | 2,085.5 | 19.2 | 0.9\% | 2,084.1 | 20.6 | 年.5\% |
| ME 4 ME4 | 365417 365417 | 2020 | Dry | ${ }^{\text {July }}$ | - | 796.3 3989 | 782.9 <br> 3888 | 13.4 131 | $1.7 \%$ 3.36 | 781.6 <br> 3845 | 14.7 | $1.8 \%$ $3.6 \%$ 5. | 780.2 3832 3 | 16.0 15.7 | 3.0\% | 778.9 <br> 381.8 | 17.4 17.0 | 2.2\% | 777.6 380.5 | 18.7 18.3 | 2.46\% | 776.2 379.2 | 20.0 19.7 | 2.5\% $4.9 \%$ |
| ME4 | 365417 | 2020 | Dry | September | Used in Summary Table Analysis | 248.3 | ${ }_{236.6}$ | 11.6 | 4.7\% | 235.5 | 12.8 | 5.2\% | 234.3 | 14.0 | 5.6\% | 233.2 | 15.1 | 6.1\% | 380.5 232.0 | 18.3 18.3 | 6.6\% | 330.8 | 17.4 | 7.0\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of of interest
EER River Valley Groundwater sustainability Plan
Humboldt County Groundaate Susa


Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column <br> Surface Water <br> Reach) |  |  | Note | Flow (cfs) |  | $\underset{\substack{\text { Fiflow } \\ \text { Difference } \\ \text { (cts) }}}{\text { cent }}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiffew } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Fifference } \\ \text { (ffs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| me 4 | 365318 | 2005 | Above Normal |  | February | -- | 14,015.0 | 14,010.4 | 4.6 | 0.0\% | 14,010.4 | 4.6 | 0.0\% | 14,009.3 | 5.8 | 0.0\% | 14,009.3 | 5.8 | 0.0\% | 14,009.3 | 5.8 | 0.0\% | 14,008.1 | 6.9 | 0.0\% |
| me 4 | 365318 | 2005 | Above Normal | March | - | 28,585.6 | 28,582.2 | 3.5 | 0.0\% | 28,581.0 | 4.6 | 0.0\% | 28,581.0 | 4.6 | 0.0\% | 28,581.0 | 4.6 | 0.0\% | 28,579.9 | 5.8 | 0.0\% | 28,579.9 | 5.8 | 0.0\% |
| ME4 | 365318 | 2005 | Above Normal | April | - | 21,457.2 | 21,453.7 | 3.5 | 0.0\% | 21,452.5 | 4.6 | 0.0\% | 21,452.5 | 4.6 | 0.0\% | 21,452.5 | 4.6 | 0.0\% | 21,451.4 | 5.8 | 0.0\% | 21,451.4 | 5.8 | 0.0\% |
| me 4 | 365318 | 2005 | Above Normal | May | - | 19,584.5 | 19,576.4 | 8.1 | 0.0\% | 19,575.2 | 9.3 | 0.0\% | 19,574.1 | 10.4 | 0.1\% | 19,572.9 | 11.6 | 0.1\% | 19,572.9 | 11.6 | 0.1\% | 19,571.8 | 12.7 | 0.1\% |
| ME4 | 365318 | 2005 | Above Normal | June | - | 15,890.0 | 15,876.2 | 13.9 | 0.1\% | 15,875.0 | 15.0 | 0.1\% | 15,873.8 | 16.2 | 0.1\% | 15,872.7 | 17.4 | 0.1\% | 15,871.5 | 18.5 | 0.1\% | 15,870.4 | 19.7 | 0.1\% |
| ME4 | 365318 | 2005 | Above Normal | July | - | 2,863.4 | 2,851.5 | 11.9 | 0.4\% | 2,850.2 | 13.2 | 0.5\% | 2,849.1 | 14.4 | 0.5\% | 2,847.9 | 15.5 | 0.5\% | 2,846.6 | 16.8 | 0.6\% | 2,845.5 | 17.9 | 0.6\% |
| ME4 | 365318 | 2005 | Above Normal | August | -- | 983.0 | 972.2 | 10.8 | 1.1\% | 971.1 | 11.9 | 1.2\% | 970.0 | 13.0 | 1.3\% | 968.9 | 14.1 | 1.4\% | 967.8 | 15.2 | 1.5\% | 966.8 | 16.2 | 1.6\% |
| ME4 | 365318 | 2005 | Above Normal | September | Used in Summary Table Analysis | 524.6 | 515.1 | 9.5 | 1.8\% | 514.1 | 10.5 | 2.0\% | 513.1 | 11.4 | 2.2\% | 512.2 | 12.3 | 2.4\% | 511.3 | 13.3 | 2.5\% | 510.3 | 14.3 | 2.7\% |
| ME4 | 365318 | 2006 | Wet | October | Used in Summary Table Analysis | 634.5 | 626.8 | 7.6 | 1.2\% | 626.1 | 8.4 | 1.3\% | 625.3 | 9.2 | 1.4\% | 624.6 | 9.9 | 1.6\% | 623.8 | 10.7 | 1.7\% | 623.0 | 11.5 | 1.8\% |
| ME4 | 365318 | 2006 | Wet | November | Used in Summary Table Analysis | 9,320.4 | 9,314.4 | 6.0 | 0.1\% | 9,313.8 | 6.6 | 0.1\% | 9,313.2 | 7.2 | 0.1\% | 9,312.6 | 7.8 | 0.1\% | 9,311.9 | 8.4 | 0.1\% | 9,311.3 | 9.0 | 0.1\% |
| ME4 | 365318 | 2006 | Wet | December | -- | 43,547.5 | 43,542.8 | 4.6 | 0.0\% | 43,541.7 | 5.8 | 0.0\% | 43,541.7 | 5.8 | 0.0\% | 43,540.5 | 6.9 | 0.0\% | 43,540.5 | 6.9 | 0.0\% | 43,539.4 | 8.1 | 0.0\% |
| ME4 | 365318 | 2006 | Wet | January | -- | 46,343, | 46,339.1 | 4.6 | 0.0\% | 46,388.0 | 5.8 | 0.0\% | 46,388.0 | 5.8 | 0.0\% | 46,36.8 | 6.9 | 0.0\% | 46,336.8 | 6.9 | 0.0\% | 46,335.6 | 8.1 | 0.0\% |
| ME4 | 365318 | 2006 | Wet | February | - | 26,337.7 | 26,633.1 | 4.6 | 0.0\% | 26,633.1 | 4.6 | 0.0\% | 26,631.9 | 5.8 | 0.0\% | 26,631.9 | 5.8 | 0.0\% | 26,631.9 | 5.8 | 0.0\% | 26,630.8 | 6.9 | 0.0\% |
| ME4 | 365318 | 2006 | Wet | March | - | 47,194.4 | 47,189.8 | 4.6 | 0.0\% | 47,189.8 | 4.6 | 0.0\% | 47,188.7 | 5.8 | 0.0\% | 47,188.7 | 5.8 | 0.0\% | 47,187.5 | 6.9 | 0.0\% | 47,187.5 | 6.9 | 0.0\% |
| ME4 | 365318 | 2006 | wet | April | - | 30,442.1 | 30,437.5 | 4.6 | 0.0\% | 30,437.5 | 4.6 | 0.0\% | 30,437.5 | 4.6 | 0.0\% | 30,436.3 | 5.8 | 0.0\% | 30,436, 3 | 5.8 | 0.0\% | 30,436.3 | 5.8 | 0.0\% |
| ME4 | 365318 | 2006 | Wet | May | - | 14,215.3 | 14,209.5 | 5.8 | 0.0\% | 14,209.5 | 5.8 | 0.0\% | 14,208.3 | 6.9 | 0.0\% | 14,208.3 | 6.9 | 0.0\% | 14,207.2 | 8.1 | 0.1\% | 14,207.2 | 8.1 | 0.1\% |
| ME4 | 365318 | 2006 | Wet | June | - | 3,547.6 | 3,536.7 | 10.9 | 0.3\% | 3,535.6 | 11.9 | 0.3\% | 3,534.6 | 13.0 | 0.4\% | 3,533.4 | 14.1 | 0.4\% | 3,532.4 | 15.2 | 0.4\% | 3,531.4 | 16.2 | 0.5\% |
| ME4 | 365318 | 2006 | Wet | July | - | 1,279.4 | 1,267.9 | 11.5 | 0.9\% | 1,266.8 | 12.6 | 1.0\% | 1,265.6 | 13.8 | 1.1\% | 1,264.5 | 14.9 | 1.2\% | 1,263.4 | 16.0 | 1.2\% | 1,262.3 | 17.1 | 1.3\% |
| ME4 | 365318 | 2006 | Wet | August | -- | 65.5 | 654.5 | 11.0 | 1.7\% | 653.3 | 12.2 | 1.8\% | 652.2 | 13.3 | 2.0\% | 651.1 | 14.4 | 2.2\% | 650.0 | 15.5 | 2.3\% | 648.9 | 16.6 | 2.5\% |
| ME4 4 | 365318 | 2006 | Wet | September | Used in Summary Table Analysis | 426.4 | 416.7 | 9.6 | 2.3\% | 415.8 | 10.6 | 2.5\% | 414.8 | 11.6 | 2.7\% | 413.8 | 12.5 | 2.9\% | 412.9 | ${ }^{13.5}$ | 3.2\% | 411.9 | 14.4 | 3.4\% |
| ME4 | 365318 | 2007 | Above Normal | October | Used in Summary Table Analysis | 27.5 | 266.7 | 7.8 | 2.8\% | 265.9 | 8.5 | 3.1\% | 265.2 | 9.3 | 3.4\% | 264.4 | 10.1 | 3.7\% | 263.6 | 10.9 | 4.0\% | 262.8 | 11.7 | 4.2\% |
| ME4 | 365318 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,679.3 | 8,673.0 | 6.3 | 0.1\% | 8,672.5 | 6.8 | 0.1\% | 8,671.8 | 7.5 | 0.1\% | 8,671.2 | 8.1 | 0.1\% | 8,670.5 | 8.8 | 0.1\% | 8,669.9 | 9.4 | 0.1\% |
| ME4 | 365318 | 2007 | Above Normal | December |  | 20,437.5 | 20,431.7 | 5.8 | 0.0\% | 20,431.7 | 5.8 | 0.0\% | 20,430.6 | 6.9 | 0.0\% | 20,430.6 | 6.9 | 0.0\% | 20,429.4 | 8.1 | 0.0\% | 20,429.4 | 8.1 | 0.0\% |
| ME4 | 365318 | 2007 | Above Normal | January | -- | 10,258.0 | 10,253.1 | 4.9 | 0.0\% | 10,25.5 | 5.4 | 0.1\% | 10,252.1 | 5.9 | 0.1\% | 10,251.6 | 6.4 | 0.1\% | 10,251.2 | 6.8 | 0.1\% | 10,250.6 | 7.4 | 0.1\% |
| ME4 4 | 365318 | 2007 | Above Normal | February | - | 30,601.9 | 30,597.2 | 4.6 | 0.0\% | 30,597.2 | 4.6 | 0.0\% | 30,596.1 | 5.8 | 0.0\% | 30,596.1 | 5.8 | 0.0\% | 30,594.9 | 6.9 | 0.0\% | 30,594.9 | 6.9 | 0.0\% |
| ME4 | 365318 | 2007 | Above Normal | March |  | 13,106.5 | 13,101.9 | 4.6 | 0.0\% | 13,101.9 | 4.6 | 0.0\% | 13,100.7 | 5.8 | 0.0\% | 13,100.7 | 5.8 | 0.0\% | 13,099.5 | 6.9 | 0.1\% | 13,099.5 | 6.9 | 0.1\% |
| ME4 | 365318 | 2007 | Above Normal | April | -- | 11,538.7 | 11,530.1 | 8.6 | 0.1\% | 11,529.3 | 9.4 | 0.1\% | 11,528.5 | 10.2 | 0.1\% | 11,527.5 | 11.1 | 0.1\% | 11,526.7 | 11.9 | 0.1\% | 11,525.9 | 12.7 | 0.1\% |
| ME4 | 365318 | 2007 | Above Normal | May | - | 4,141.2 | 4,131.1 | 10.1 | 0.2\% | 4,130.2 | 11.0 | 0.3\% | 4,129.2 | 12.0 | 0.3\% | 4,128.1 | 13.1 | 0.3\% | 4,127.1 | 14.1 | 0.3\% | 4,126.2 | 15.0 | 0.4\% |
| ME4 | 365318 | 2007 | Above Normal | June | - | 1,499.3 | 1,487.3 | 12.0 | 0.8\% | 1,486.0 | 13.3 | 0.9\% | 1,484.8 | 14.5 | 1.0\% | 1,483.6 | 15.7 | 1.0\% | 1,482.4 | 16.9 | 1.1\% | 1,481.1 | 18.2 | 1.2\% |
| ME4 | 365318 | 2007 | Above Normal | July | - | 496.0 | 483.8 | 12.1 | 2.4\% | 482.6 | 13.4 | 2.7\% | 481.4 | 14.6 | 2.9\% | 480.2 | 15.8 | 3.2\% | 479.0 | 17.0 | 3.4\% | 477.8 | 18.2 | 3.7\% |
| ME4 | 365318 | 2007 | Above Normal | August | -- | 223.1 | 212.2 | 10.9 | 4.9\% | 211.1 | 12.0 | 5.4\% | 210.0 | 13.1 | 5.9\% | 208.9 | 14.2 | 6.3\% | 207.8 | 15.2 | 6.8\% | 206.7 | 16.3 | 7.3\% |
| ME4 | 365318 | 2007 | Above Normal | September | Used in Summary Table Analysis | 150.7 | 140.5 | 10.2 | 6.8\% | 139.5 | 11.3 | 7.5\% | 138.4 | 12.3 | 8.2\% | 137.4 | 13.3 | 8.8\% | 136.4 | 14.3 | 9.5\% | 135.4 | 15.4 | 10.2\% |
| ME4 | 365318 | 2008 | Dry | October | Used in Summary Table Analysis | 3,437.8 | 3,429.6 | 8.2 | 0.2\% | 3,428.8 | 9.0 | 0.3\% | 3,427.9 | 10.0 | 0.3\% | 3,427.1 | 10.8 | 0.3\% | 3,426.3 | 11.6 | 0.3\% | 3,425.5 | 12.4 | 0.4\% |
| ME4 | 365318 | 2008 | Dry | November | Used in Summary Table Analysis | 3,278.8 | 3,272.5 | 6.4 | 0.2\% | 3,271.9 | 6.9 | 0.2\% | 3,271.2 | 7.6 | 0.2\% | 3,270.6 | 8.2 | 0.3\% | 3,269.9 | 8.9 | 0.3\% | 3,269.3 | 9.5 | 0.3\% |
| ME4 | 365318 | 2008 | Dry | December | -- | 23,162.0 | 23,156, ${ }^{\text {3,27.6 }}$ | 5.8 | 0.0\% | 23,156.3 | 5.8 | 0.0\% | 23,155.1 | 6.9 | 0.0\% | 23,155.1 | 6.9 | 0.0\% | 23,153.9 | 8.1 | 0.0\% | 23,153.9 | 8.1 | 0.0\% |
| ME4 | 365318 | 2008 | Dry | January |  | 37,564,8 | 37,599.0 | 5.8 | 0.0\% | 37,599.0 | 5.8 | 0.0\% | 37,599.0 | 5.8 | 0.0\% | 37,557.9 | 6.9 | 0.0\% | 37,557.9 | 6.9 | 0.0\% | 37,556.7 | 8.1 | 0.0\% |
| ME 4 | 365318 <br> 365318 | 2008 | Dry | February | -- | $26,278.9$ <br> 117975 | $26,274.3$ 117940 | 4.6 3.5 | 0.0\% | $26,273.1$ <br> 117928 | 5.8 4.6 | 0.0\% | $26,273.1$ 117928 | 5.8 4.6 | 0.0\% | $26,273.1$ 117928 | 5.8 | 0.0\% | 26,727.0 | 6.9 58 | 0.0\% | $26,272.0$ 117917 | 6.9 58 | ${ }^{\text {0.0\% }}$ |
| ME4 | 365318 | 2008 | Dry | March | - | 11,797.5 | 11,794.0 | 3.5 | 0.0\% | $\underset{\substack{11,792.8 \\ 9,009.5 \\ 1,58}}{ }$ | 4.6 9.5 | 0.0\% | 11,792.8 | 4.6 10.3 | 0.0\% | 11,792.8 | 4.6 112 | 0.0\% | ${ }_{9}^{11,791.7}$ | 5.8 <br> 120 <br> 128 | 0.0\% | ${ }_{\substack{11,791.7 \\ 0,0060}}^{1,3,0}$ | 5.8 130 130 | 0.0\% |
| ME4 | 365318 | 2008 | Dry | May | -- | 1,358.8 | 1,349.5 | ${ }_{9} 9.3$ | 0.7\% | 1,348.7 | 10.1 | 0.7\% | ${ }_{1}^{1,347.8}$ | 11.0 | 0.8\% | 1,346.9 | 11.9 | 0.9\% | 1,345.9 | 12.8 | 0.9\% | 1,345.0 | 13.8 | 1.0\% |
| ME4 | 365318 | 2008 | Dry | June | -- | 437.8 | 424.6 | 13.3 | 3.0\% | 423.3 | 14.6 | 3.3\% | 422.0 | 15.9 | 3.6\% | 420.6 | 17.2 | 3.9\% | 4193 | 18.5 | 4.2\% | 418.0 | 19.8 | 4.5\% |
| ME4 | 365318 | 2008 | Dry | July | - | 25.0 | 243.0 | 12.9 | 5.1\% | 241.7 | 14.2 | 5.6\% | 240.5 | 15.5 | 6.1\% | 239.2 | 16.8 | 6.6\% | 237.9 | 18.1 | 7.1\% | 236.6 | 19.4 | 7.6\% |
| ME4 | 365318 | 2008 | Dry | August | -- | 179.4 | 166.9 | 12.5 | 7.0\% | 165.7 | 13.8 | 7.7\% | 164.4 | 15.0 | 8.4\% | 163.2 | 16.2 | 9.1\% | 161.9 | 17.5 | 9.7\% | 160.7 | 18.7 | 10.4\% |
| ME4 | 365318 | 2008 | Dry | September | Used in Summary Table Analysis | 141.1 | 129.1 | 11.9 | 8.5\% | 127.9 | 13.1 | 9.3\% | 126.7 | 14.3 | 10.2\% | 125.5 | 15.5 | 11.\% | 124.3 | 16.7 | 11.9\% | 123.1 | 17.9 | 12.7\% |
| ME4 | 365318 | 2009 | Critical | October | Used in Summary Table Analysis | 924.4 | 915.1 | 9.3 | 1.0\% | 914.2 | 10.3 | 1.1\% | 913.2 | 11.2 | 1.2\% | ${ }^{912.3}$ | 12.1 | 1.3\% | 911.4 | ${ }^{13.1}$ | 1.4\% | 910.4 | 14.0 | 1.5\% |
| ME4 | 365318 | 2009 | Critical | November | Used in Summary Table Analysis | 5,519.9 | 5,512.6 | 7.3 | 0.1\% | 5,511.9 | 8.0 | 0.1\% | 5,511.2 | 8.7 | 0.2\% | 5,510.4 | 9.5 | 0.2\% | 5,509.7 | 10.2 | 0.2\% | 5,509.0 | 10.9 | 0.2\% |
| ME 4 | 365318 <br> 365318 | 2009 | Critical critical | December | - | $12,184.0$ 888013 | 12,178.2 8.7956 | 5.8 5 | ${ }^{0.0 \%}$ | $12,177.1$ 8,795 | ${ }_{6}^{6.9}$ | 0.1\% | 12,177.1 | 6.9 68 | ${ }^{0.1 \%}$ | 12.175 .9 88939 | 8.1 | ${ }^{0.1 \%}$ | 12,175.9 8 8,7933 | 8.1 | ${ }^{0.1 \%}$ | $12,174.8$ 88927 | 9.3 86 | ${ }^{0.1 \%}$ |
| ME 4 ME4 | 365318 <br> 365318 | 2009 2009 | Critical Critical | January February | -- | $8,801.3$ $22,629.6$ | 8,7995.6 22,65.0 | $\begin{aligned} & 5.7 \\ & 4.6 \end{aligned}$ | 0.1\% $0.0 \%$ | 8,795.0 22,625.0 | 6.3 4.6 | $0.1 \%$ $0.0 \%$ | 8,794.4 22,623.8 | 6.8 5.8 | 0.1\% $0.0 \%$ | 8,793.9 22,623.8 | 7.4 5.8 | $0.1 \%$ $0.0 \%$ | $8,793.3$ 22,622.7 | 8.0 6.9 | 0.1\% $0.0 \%$ | 8,7992.7 22,622.7 | 8.6 6.9 | - |
| ME 4 | 365318 | 2009 | Critical | March | -- | 21,133,1 | 21,128.5 | 4.6 | 0.0\% | 21,128.5 | 4.6 | 0.0\% | 21,127.3 | 5.8 | 0.0\% | 21,127.3 | 5.8 | 0.0\% | 21,126.2 | 6.9 | 0.0\% | 21,126.2 | 6.9 | 0.0\% |
| ME4 | 365318 | 2009 | Critical | April | - | 10,097.6 | 10,088.5 | 9.0 | 0.1\% | 10,087.7 | 9.8 | 0.1\% | 10,086.8 | 10.8 | 0.1\% | 10,086.0 | 11.6 | 0.1\% | 10,085.1 | 12.5 | 0.1\% | 10,084.1 | 13.4 | 0.1\% |
| ME4 | 365318 | 2009 | Critical | May | - | 15,589.1 | 15,578.7 | 10.4 | 0.1\% | 15,577.5 | 11.6 | 0.1\% | 15,576.4 | 12.7 | 0.1\% | 15,575.2 | 13.9 | 0.1\% | 15,574.1 | 15.0 | 0.1\% | 15,572.9 | 16.2 | 0.1\% |
| ME4 | 365318 | 2009 | Critical | June | - | 3,160.4 | 3,146.5 | 13.9 | 0.4\% | 3,145.1 | 15.3 | 0.5\% | 3,143.6 | 16.8 | 0.5\% | 3,142.2 | 18.2 | 0.6\% | 3,140.9 | 19.6 | 0.6\% | 3,139.5 | 20.9 | 0.7\% |
| ME4 | 365318 | 2009 | Critical | July | - | 1,262.8 | 1,249.8 | 13.1 | 1.0\% | 1,248.5 | 14.4 | 1.1\% | 1,247.1 | 15.7 | 1.2\% | 1,245.8 | 17.0 | 1.3\% | 1,244.6 | 18.3 | 1.4\% | 1,243.3 | 19.6 | 1.5\% |
| ME4 | 365318 | 2009 | Critical | August | -- | 668.9 | 656.2 | 12.6 | 1.9\% | 655.0 | 13.9 | 2.1\% | 653.7 | 15.1 | 2.3\% | 652.5 | 16.4 | 2.5\% | 651.2 | 17.6 | 2.6\% | 650.0 | 18.9 | 2.8\% |
| ME4 | 365318 | 2009 | Critical | September | Used in Summary Table Analysis | 390.0 | 378.8 | 11.2 | 2.9\% | 377.7 | 12.3 | 3.2\% | 376.6 | 13.4 | 3.4\% | 375.5 | 14.5 | 3.7\% | 374.4 | 15.6 | 4.0\% | 373.3 | 16.7 | 4.3\% |
| ME4 | 365318 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,088.9 | 6,079.4 | 9.5 | 0.2\% | 6,078.5 | 10.4 | 0.2\% | 6,077.5 | 11.3 | 0.2\% | 6,076.6 | 12.3 | 0.2\% | 6,075.7 | 13.2 | 0.2\% | 6,074.8 | 14.1 | 0.2\% |
| ME4 | 365318 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,296.1 | $8,288.5$ | 7.5 | 0.1\% | 8,287.8 | 8.2 | 0.1\% | 8,287.0 | 9.0 | 0.1\% | 8,286.3 | 9.7 | 0.1\% | 8,285.6 | 10.4 | 0.1\% | 8,284.8 | 11.2 | 0.1\% |
| ME4 | 365318 | 2010 | Below Normal | December | -- | 12,368.1 | 12,362.3 | 5.8 | 0.0\% | 12,361.1 | 6.9 | 0.1\% | 12,361.1 | 6.9 | 0.1\% | 12,360.0 | 8.1 | 0.1\% | 12,360.0 | 8.1 | 0.1\% | 12,358.8 | 9.3 | 0.1\% |
| ME4 | 365318 | 2010 | Below Normal | January | -- | 36,882.4 | 36,776.6 | 5.8 | 0.0\% | 36,276.6 | 5.8 | 0.0\% | 36,275.5 | ${ }^{6} .9$ | 0.0\% | 36,275.5 | 6.9 | 0.0\% | 36,774.3 | 8.1 | 0.0\% | 36,274.3 | 8.1 | 0.0\% |
| ME4 | 365318 | 2010 | Below Normal | February | -- | 27,258.1 | 27,253.5 | 4.6 | 0.0\% | 27,252.3 | 5.8 | 0.0\% | 27,252.3 | 5.8 | 0.0\% | 27,251.2 | 6.9 | 0.0\% | 27,251.2 | 6.9 | 0.0\% | 27,251.2 | 6.9 | 0.0\% |
|  | 365318 <br> 365318 | 2010 | Below Normal | March | $\cdots$ | 28,884.4 | $28,843.8$ 40,013 | ${ }_{4}^{4.6}$ | 0.0\% | $28,843.8$ 400313 | ${ }_{4}^{4.6}$ | 0.0\% | $28,842.6$ 40 40 | 58.8 58 | 0.0\% | 28,842.6 | 5.8 <br> 5.8 <br> 12. | 0.0\% $0.0 \%$ 0 | $28,841.4$ 40,0301 | 6.9 <br> 5.8 <br> 12.8 | 0.0\% | $28,841.4$ 40 40289 | 6.9 6.9 | 0.0\% |
| ME4 | 365318 | 2010 | ${ }_{\text {Below Normal }}$ | May | -- | 20,287.0 | ${ }_{20,277.8}$ | 9.3 | 0.0\% | 20,276.6 | 10.4 | 0.1\% | 20,275.5 | 11.6 | 0.1\% | 20,274.3 | 12.7 | 0.1\% | 20,274.3 | 12.7 | 0.1\% | 20,273,1 | 13.9 | 0.1\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  |  |  | Flowwithout Pumping (cfs) | xisting Conditions |  |  | mping |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water Reach) |  |  | Month | Note |  | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference <br> Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME4 | 365318 | 2010 | Below Normal | June | - | 9,364.5 | 9,350.9 | 13.5 | 0.1\% | 9,349.7 | 14.8 | 0.2\% | 9,348.3 | 16.2 | 0.2\% | 9,347.0 | 17.5 | 0.2\% | 9,345.6 | 18.9 | 0.2\% | 9,344.2 | 20.3 | 0.2\% |
| ME4 | 365318 | 2010 | Below Normal | July | - | 1,454.6 | 1,442.6 | 12.0 | 0.8\% | 1,441.3 | 13.3 | 0.9\% | 1,440.0 | 14.6 | 1.0\% | 1,438.9 | 15.7 | 1.1\% | 1,437.6 | 17.0 | 1.2\% | 1,436.5 | 18.2 | 1.2\% |
| ME 4 | 365318 | 2010 | Below Normal | August | -- | 569.1 | 557.9 | 11.2 | 2.0\% | 556.8 | ${ }^{12.3}$ | ${ }^{2.2 \%}$ | 555.7 | 13.4 | 2.4\% | 554.6 | 14.5 | 2.6\% | 553.5 | 15.6 | 2.7\% | 552.4 | 16.7 | 2.9\% |
| ME4 | 365318 | 2010 | Below Normal | September | Used in Summary Table Analysis | 651.3 | 640.8 | 10.5 | 1.6\% | 639.7 | 11.6 | 1.8\% | 638.6 | 12.6 | 1.9\% | 637.6 | 13.7 | 2.1\% | 636.5 | 14.7 | 2.3\% | 635.5 | 15.8 | 2.4\% |
| ME4 | 365318 | 2011 | Wet | October | Used in Summary Table Analysis | 9,645.1 | 9,637.3 | 7.9 | 0.1\% | 9,636.5 | 8.7 | 0.1\% | 9,635.6 | 9.5 | 0.1\% | 9,634.8 | 10.3 | 0.1\% | 9,634.0 | 11.1 | 0.1\% | 9,633.2 | 11.9 | 0.1\% |
| me4 | 365318 | 2011 | wet | November | Used in Summary Table Analysis | 14,233.8 | 14,228.0 | 5.8 | 0.0\% | 14,226.9 | 6.9 | 0.0\% | 14,225.7 | 8.1 | 0.1\% | 14,225.7 | 8.1 | 0.1\% | 14,224.5 | 9.3 | 0.1\% | 14,224.5 | 9.3 | 0.1\% |
| ME4 | 365318 | 2011 | wet | December - | -- | 33,760.4 | 33,754.6 | 5.8 | 0.0\% | 33,754.6 | 5.8 | 0.0\% | 33,753.5 | 6.9 | 0.0\% | 33,753.5 | 6.9 | 0.0\% | 33,75.3 | 8.1 | 0.0\% | 33,752.3 | 8.1 | 0.0\% |
| ME4 | 365318 | 2011 | Wet | January | -- | 14,166.7 | 14,162.0 | 4.6 | 0.0\% | 14,162.0 | 4.6 | 0.0\% | 14,160.9 | 5.8 | 0.0\% | 14,160.9 | 5.8 | 0.0\% | 14,159.7 | 6.9 | 0.0\% | 14,159.7 | 6.9 | 0.0\% |
| ME4 | 365318 | 2011 | Wet | February - | - | 20,777.8 | 20,773.1 | 4.6 | 0.0\% | 20,773.1 | 4.6 | 0.0\% | 20,772.0 | 5.8 | 0.0\% | 20,772.0 | 5.8 | 0.0\% | 20,770.8 | 6.9 | 0.0\% | 20,770.8 | 6.9 | 0.0\% |
| ME4 | 365318 | 2011 | Wet | March | - | 52,045.1 | 52,040.5 | 4.6 | 0.0\% | 52,040.5 | 4.6 | 0.0\% | 52,039.4 | 5.8 | 0.0\% | 52,039.4 | 5.8 | 0.0\% | 52,038.2 | 6.9 | 0.0\% | 52,038.2 | 6.9 | 0.0\% |
| me4 | 365318 | 2011 | wet | April | - | 24,812.5 | 24,809.0 | 3.5 | 0.0\% | 24,807.9 | 4.6 | 0.0\% | 24,807.9 | 4.6 | 0.0\% | 24,807.9 | 4.6 | 0.0\% | 24,806.7 | 5.8 | 0.0\% | 24,806.7 | 5.8 | 0.0\% |
| ME4 | 365318 | 2011 | Wet | May | - | 11,388.5 | 11,380.0 | 8.6 | 0.1\% | 11,379.1 | 9.5 | 0.1\% | 11,378.1 | 10.4 | 0.1\% | 11,377.2 | 11.3 | 0.1\% | 11,376.4 | 12.2 | 0.1\% | 11,375.5 | 13.1 | 0.1\% |
| ME4 | 365318 | 2011 | Wet | June | - | 7,062.4 | 7,049.2 | 13.2 | 0.2\% | 7,047.9 | 14.5 | 0.2\% | 7,046.5 | 15.9 | 0.2\% | 7,045.3 | 17.1 | 0.2\% | 7,044.0 | 18.4 | 0.3\% | 7,042.7 | 19.7 | 0.3\% |
| ME4 | 365318 | 2011 | Wet | July | - | 1,828.5 | 1,815.5 | 13.0 | 0.7\% | 1,814.2 | 14.2 | 0.8\% | 1,813.0 | 15.5 | 0.8\% | 1,811.7 | 16.8 | 0.9\% | 1,810.4 | 18.1 | 1.0\% | 1,809.0 | 19.4 | 1.1\% |
| me4 | 365318 | 2011 | Wet | August | -- | 776.9 | 765.9 | 11.0 | 1.4\% | 764.8 | 12.1 | 1.6\% | 763.7 | 13.2 | 1.7\% | 762.6 | 14.3 | 1.8\% | 761.5 | 15.4 | 2.0\% | 760.4 | 16.5 | 2.1\% |
| me4 | 365318 | 2011 | Wet | September | Used in Summary Table Analysis | 433.5 | 423.6 | 9.9 | 2.3\% | 422.6 | 10.9 | 2.5\% | 421.6 | 11.9 | 2.8\% | 420.6 | 12.9 | 3.0\% | 419.6 | 13.9 | 3.2\% | 418.6 | 14.9 | 3.4\% |
| ME4 | 365318 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,547.2 | 4,539.2 | 8.0 | 0.2\% | 4,538.4 | 8.8 | 0.2\% | 4,537.6 | 9.6 | 0.2\% | 4,536.8 | 10.4 | 0.2\% | 4,536.0 | 11.2 | 0.2\% | 4,535.2 | 12.0 | 0.3\% |
| ME4 | 365318 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,250.8 | 8,244.3 | 6.5 | 0.1\% | 8,243.8 | 7.1 | 0.1\% | 8,243.1 | 7.8 | 0.1\% | $8,242.5$ | 8.3 | 0.1\% | 8,241.8 | 9.0 | 0.1\% | 8,241.1 | 9.7 | 0.1\% |
| me4 | 365318 | 2012 | Below Normal | December - | -- | 5,188.5 | 5,183.1 | 5.4 | 0.1\% | 5,182.5 | 6.0 | 0.1\% | 5,181.9 | 6.6 | 0.1\% | 5,181.4 | 7.2 | 0.1\% | 5,180.9 | 7.6 | 0.1\% | 5,180.3 | 8.2 | 0.2\% |
| me4 | 365318 | 2012 | Below Normal | January | -- | 20,153.9 | 20,149.3 | 4.6 | 0.0\% | 20,149.3 | 4.6 | 0.0\% | 20,148.1 | 5.8 | 0.0\% | 20,148.1 | 5.8 | 0.0\% | 20,147.0 | 6.9 | 0.0\% | 20,147.0 | 6.9 | 0.0\% |
| me4 | 365318 | 2012 | Below Normal | February |  | 18,223.4 | 18,218.8 | 4.6 | 0.0\% | 18,218.8 | 4.6 | 0.0\% | 18,217.6 | 5.8 | 0.0\% | 18,217.6 | 5.8 | 0.0\% | 18,217.6 | 5.8 | 0.0\% | 18,216.4 | 6.9 | 0.0\% |
| ME4 | 365318 | 2012 | Below Normal | March | - | 45,471.1 | 45,466.4 | 4.6 | 0.0\% | 45,465.3 | 5.8 | 0.0\% | 45,465.3 | 5.8 | 0.0\% | 45,465.3 | 5.8 | 0.0\% | 45,464.1 | 6.9 | 0.0\% | 45,464.1 | 6.9 | 0.0\% |
| ME4 | 365318 | 2012 | Below Normal | April | - | 26,875.0 | 26,871.5 | 3.5 | 0.0\% | 26,870.4 | 4.6 | 0.0\% | 26,870.4 | 4.6 | 0.0\% | 26,870.4 | 4.6 | 0.0\% | 26,869.2 | 5.8 | 0.0\% | 26,869.2 | 5.8 | 0.0\% |
| ME4 | 365318 | 2012 | Below Normal | May | - | 7,486.3 | 7,477.5 | 8.8 | 0.1\% | 7,476.6 | 9.7 | 0.1\% | 7,475.8 | 10.5 | 0.1\% | 7,474.9 | 11.5 | 0.2\% | 7,474.1 | 12.3 | 0.2\% | 7,473.3 | 13.1 | 0.2\% |
| me4 | 365318 | 2012 | Below Normal | June | -- | 5,521.4 | 5,508.1 | 13.3 | 0.2\% | 5,506.7 | 14.7 | 0.3\% | 5,505.3 | 16.1 | 0.3\% | 5,504.1 | 17.4 | 0.3\% | 5,502.7 | 18.8 | 0.3\% | 5,501.4 | 20.0 | 0.4\% |
| me4 | 365318 | 2012 | Below Normal | July | - | 2,227.1 | 2,214.6 | 12.5 | 0.6\% | 2,213.3 | 13.8 | 0.6\% | 2,212.0 | 15.0 | 0.7\% | 2,210.8 | 16.3 | 0.7\% | 2,209.6 | 17.5 | 0.8\% | 2,208.3 | 18.8 | 0.8\% |
| ME4 | 365318 | 2012 | Below Normal | August | -- | 388.3 | 378.2 | 10.1 | 2.6\% | 377.2 | 11.1 | 2.9\% | 376.2 | 12.1 | 3.1\% | 375.2 | 13.1 | 3.4\% | 374.2 | 14.1 | 3.6\% | 373.2 | 15.1 | 3.9\% |
| ME4 | 365318 | 2012 | Below Normal | September | Used in Summary Table Analysis | 249.1 | 240.2 | 8.9 | 3.6\% | 2393 | 9.8 | 3.9\% | 238.4 | 10.7 | 4.3\% | 237.5 | 11.6 | 4.7\% | 236.6 | 12.5 | 5.0\% | 235.7 | 13.4 | 5.4\% |
| ME4 | 365318 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,915.5 | 1,907.8 | 7.8 | 0.4\% | 1,906.9 | 8.6 | 0.4\% | 1,906.1 | 9.4 | 0.5\% | 1,905.4 | 10.1 | 0.5\% | 1,904.6 | 10.9 | 0.6\% | 1,903.8 | 11.7 | 0.6\% |
| me4 | 365318 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,709.5 | 14,703.7 | 5.8 | 0.0\% | 14,702.5 | 6.9 | 0.0\% | 14,702.5 | 6.9 | 0.0\% | 14,701.4 | 8.1 | 0.1\% | 14,701.4 | 8.1 | 0.1\% | 14,700.2 | 9.3 | 0.1\% |
| ME4 | 365318 | 2013 | Below Normal | December - |  | 60,046.3 | 60,040.5 | 5.8 | 0.0\% | 60,040.5 | 5.8 | 0.0\% | 60,039.4 | 6.9 | 0.0\% | 60,039.4 | 6.9 | 0.0\% | 60,038.2 | 8.1 | 0.0\% | 60,038.2 | 8.1 | 0.0\% |
| ME4 | 365318 | 2013 | Below Normal | January | -- | 22,216.4 | 22,211.8 | 4.6 | 0.0\% | 22,211.8 | 4.6 | 0.0\% | 22,211.8 | 4.6 | 0.0\% | 22,210.6 | 5.8 | 0.0\% | 22,210.6 | 5.8 | 0.0\% | 22,209.5 | 6.9 | 0.0\% |
| ME4 | 365318 | 2013 | Below Normal | February - | - | 8,852.4 | 8,847.9 | 4.5 | 0.1\% | 8,847.5 | 5.0 | 0.1\% | 8,847.0 | 5.4 | 0.1\% | 8,846.5 | 5.9 | 0.1\% | $8,846.2$ | 6.3 | 0.1\% | 8,845.7 | 6.7 | 0.1\% |
| ME4 | 365318 | 2013 | Below Normal | March | -- | 10,340.9 | 10,336.5 | 4.4 | 0.0\% | 10,336.1 | 4.7 | 0.0\% | 10,335.6 | 5.2 | 0.1\% | 10,335.2 | 5.7 | 0.1\% | 10,334.7 | 6.1 | 0.1\% | 10,334.3 | 6.6 | 0.1\% |
| me4 | 365318 | 2013 | Below Normal | April | - | 8,293.5 | 8,285.2 | 8.3 | 0.1\% | 8,284.4 | 9.1 | 0.1\% | 8,883.6 | 10.0 | 0.1\% | 8,282.6 | 10.9 | 0.1\% | 8,281.8 | 11.7 | 0.1\% | 8,281.0 | 12.5 | 0.2\% |
| ME4 | 365318 | 2013 | Below Normal | May | - | 4,434.6 | 4,424.5 | 10.1 | 0.2\% | 4,423.5 | 11.1 | 0.3\% | 4,422.5 | 12.2 | 0.3\% | 4,421.5 | 13.1 | 0.3\% | 4,420.5 | 14.1 | 0.3\% | 4,419.4 | 15.2 | 0.3\% |
| me4 | 365318 | 2013 | Below Normal | June | - | 2,111.0 | 2,099.0 | 12.0 | 0.6\% | 2,097.8 | 13.2 | 0.6\% | 2,096.5 | 14.5 | 0.7\% | 2,095.4 | 15.6 | 0.7\% | 2,094.2 | 16.8 | 0.8\% | 2,092.9 | 18.1 | 0.9\% |
| ME4 | 365318 | 2013 | Below Normal | July | - | 718.0 | 706.4 | 11.7 | 1.6\% | 705.2 | 12.8 | 1.8\% | 704.1 | 14.0 | 1.9\% | 702.9 | 15.1 | 2.1\% | 701.7 | 16.3 | 2.3\% | 700.6 | 17.5 | 2.4\% |
| ME4 | 365318 | 2013 | Below Normal | August | -- | 340.2 | 329.4 | 10.9 | 3.2\% | 328.3 | 11.9 | 3.5\% | 327.2 | 13.0 | 3.8\% | 326.1 | 14.1 | 4.1\% | 325.0 | 15.2 | 4.5\% | 323.9 | 16.3 | 4.8\% |
| me4 | 365318 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,792.1 | 4,780.9 | 11.2 | 0.2\% | 4,779.7 | 12.4 | 0.3\% | 4,778.7 | 13.4 | 0.3\% | 4,777.5 | 14.6 | 0.3\% | 4,776.4 | 15.7 | 0.3\% | 4,775.3 | 16.8 | 0.4\% |
| ME4 | 365318 | 2014 | Critical | October | Used in Summary Table Analysis | 280.5 | 272.4 | 8.1 | 2.9\% | 271.6 | 8.9 | 3.2\% | 270.8 | 9.7 | 3.5\% | 270.0 | 10.5 | 3.8\% | 269.2 | 11.4 | 4.1\% | 268.4 | 12.1 | 4.3\% |
| me4 | 365318 | 2014 | Critical | November | Used in Summary Table Analysis | 1,541.0 | 1,534.5 | 6.5 | 0.4\% | 1,533.8 | 7.2 | 0.5\% | 1,533.1 | 7.9 | 0.5\% | 1,532.5 | 8.4 | 0.5\% | 1,531.8 | 9.1 | 0.6\% | 1,531.1 | 9.8 | 0.6\% |
| ME4 | 365318 | 2014 | Critical | December - | -- | 1,591.2 | 1,585.4 | 5.8 | 0.4\% | 1,584.8 | 6.4 | 0.4\% | 1,584.4 | ${ }^{6.8}$ | 0.4\% | 1,583.8 | 7.4 | 0.5\% | 1,583.2 | 8.0 | 0.5\% | 1,582.6 | 8.6 | 0.5\% |
| ME4 | 365318 | 2014 | Critical | January | - | 2,824.4 | 2,819.3 | 5.1 | 0.2\% | 2,818.8 | 5.7 | 0.2\% | 2,818.3 | 6.1 | 0.2\% | 2,817.7 | 6.7 | 0.2\% | 2,817.2 | 7.2 | 0.3\% | 2,816.8 | 7.6 | 0.3\% |
| me4 | 365318 | 2014 | Critical | February - | -- | 15,762.7 | 15,758.1 | 4.6 | 0.0\% | 15,758.1 | 4.6 | 0.0\% | 15,756.9 | 5.8 | 0.0\% | 15,756.9 | 5.8 | 0.0\% | 15,755.8 | 6.9 | 0.0\% | 15,755.8 | 6.9 | 0.0\% |
| ME4 | 365318 | 2014 | Critical | March | -- | 31,498.8 | 31,494.2 | 4.6 | 0.0\% | 31,494.2 | 4.6 | 0.0\% | 31,493.1 | 5.8 | 0.0\% | 31,493.1 | 5.8 | 0.0\% | 31,493.1 | 5.8 | 0.0\% | 31,491.9 | 6.9 | 0.0\% |
| me4 | 365318 | 2014 | Critical | April | - | 12,994.2 | 12,985.0 | 9.3 | 0.1\% | 12,983.8 | 10.4 | 0.1\% | 12,983.8 | 10.4 | 0.1\% | 12,982.6 | 11.6 | 0.1\% | 12,981.5 | 12.7 | 0.1\% | 12,980.3 | 13.9 | 0.1\% |
| ME4 | 365318 | 2014 | Critical | May | - | 5,190.3 | 5,179.7 | 10.5 | 0.2\% | 5,178.7 | 11.6 | 0.2\% | 5,177.5 | 12.7 | 0.2\% | 5,176.5 | 13.8 | 0.3\% | 5,175.5 | 14.8 | 0.3\% | 5,174.4 | 15.9 | 0.3\% |
| ME4 | 365318 | 2014 | Critical | June | - | 1,198.4 | 1,183.9 | 14.5 | 1.2\% | 1,182.4 | 16.0 | 1.3\% | 1,181.0 | 17.4 | 1.4\% | 1,179.5 | 18.9 | 1.6\% | 1,178.1 | 20.3 | 1.7\% | 1,176.6 | 21.8 | 1.8\% |
| me4 | 365318 | 2014 | Critical | July | - | 546.0 | 532.7 | 13.3 | 2.4\% | 531.3 | 14.6 | 2.7\% | 53.0 | 16.0 | 2.9\% | 528.7 | 17.3 | 3.2\% | 527.4 | 18.6 | 3.4\% | 526.1 | 19.9 | 3.6\% |
| ME4 | 365318 | 2014 | Critical | August | - | 348.2 | 335.6 | 12.6 | 3.6\% | 334.3 | 13.9 | 4.0\% | 333.0 | 15.1 | 4.3\% | 331.8 | 16.4 | 4.7\% | 330.5 | 17.7 | 5.1\% | 329.3 | 18.9 | 5.4\% |
| me4 | 365318 | 2014 | Critical | September | Used in Summary Table Analysis | 2,575.9 | 2,563.7 | 12.3 | 0.5\% | 2,562.4 | 13.5 | 0.5\% | 2,561.2 | 14.7 | 0.6\% | 2,560.0 | 16.0 | 0.6\% | 2,558.7 | 17.2 | 0.7\% | 2,557.5 | 18.4 | 0.7\% |
| ME4 | 365318 | 2015 | Dry | October | Used in Summary Table Analysis | 11,373.6 | 11,364.4 | 9.3 | 0.1\% | 11,363.4 | 10.2 | 0.1\% | 11,362.5 | ${ }^{11.1}$ | 0.1\% | 11,360.9 | 12.7 | 0.1\% | 11,360.0 | 13.7 | 0.1\% | 11,359.0 | 14.6 | 0.1\% |
| ME4 | 365318 | 2015 | Dry | November | Used in Summary Table Analysis | 9,051.9 | 9,044.7 | 7.2 | 0.1\% | 9,044.0 | 7.9 | 0.1\% | 9,043.3 | 8.6 | 0.1\% | 9,042.6 | ${ }^{9.3}$ | 0.1\% | 9,041.9 | 10.0 | 0.1\% | 9,041.1 | 10.8 | 0.1\% |
| ME4 | 365318 | 2015 | Dry | December - |  | 32,669.0 | 32,663.2 | 5.8 | 0.0\% | 32,662.0 | ${ }^{6.9}$ | 0.0\% | 32,662.0 | ${ }^{6.9}$ | 0.0\% | $32,660.9$ 14575 | 8.1 | 0.0\% | 32,6597 14575 | 9.3 | 0.0\% | 32,659.7 | 9.3 | 0.0\% |
| ME 4 ME4 d | 365318 | 2015 | Dry | January | - | 14,584.5 | 14,579.9 | 4.6 | 0.0\% | 14,578.7 | 5.8 | 0.0\% | 14,578.7 | 5.8 | 0.0\% | 14,577.5 | 6.9 | 0.0\% | 14,577.5 | 6.9 | 0.0\% | 14,576.4 | 8.1 | 0.1\% |
| ME4 | 365318 | 2015 | Dry | March | -- | 11,575.2 | 11,570.4 | 4.9 | 0.0\% | 111,569.9 | ${ }_{5.3}^{5.8}$ | 0.0\% | 11,569.6 | 5.7 | 0.0\% | 111,569.1 | 6.1 | 0.1\% | 11,568.6 | 6.6 | 0.1\% | 11,568.2 | 7.1 | 0.1\% |
| ME4 4 | 365318 | 2015 | Dry | April | - | 8,399.3 | 8,390.4 | 8.9 | 0.1\% | 8,389.6 | 9.7 | 0.1\% | 8,388.7 | 10.6 | 0.1\% | 8,387.8 | 11.5 | 0.1\% | 8,386.9 | 12.4 | 0.1\% | 8,386.0 | 13.3 | 0.2\% |
| me4 | 365318 | 2015 | Dry | May | - | 1,508.6 | 1,498.1 | 10.4 | 0.7\% | 1,497.1 | 11.5 | 0.8\% | 1,496.1 | 12.5 | 0.8\% | 1,495.0 | 13.5 | 0.9\% | 1,494.0 | 14.6 | 1.0\% | 1,492.9 | 15.6 | 1.0\% |
| ME4 | 365318 | 2015 | Dry | June | - | 652.5 | 639.0 | 13.4 | 2.1\% | 637.7 | 14.8 | 2.3\% | 636.3 | 16.1 | 2.5\% | 635.0 | 17.5 | 2.7\% | 633.7 | 18.8 | 2.9\% | 632.3 | 20.1 | 3.1\% |
| ME4 | 365318 | 2015 | Dry | July | -- | 268.6 | 255.6 | 13.0 | 4.9\% | 254.3 | 14.3 | 5.3\% | 253.0 | 15.6 | 5.8\% | 251.7 | 16.9 | 6.3\% | 250.4 | 18.2 | 6.8\% | 249.1 | 19.5 | 7.3\% |
| ME 4 | 365318 365318 | 2015 | Dry | August | Usedin Summary Tale Analy | 166.5 | 154.0 | 12.5 | 7.5\% | 152.7 | 13.8 | 8.3\% | 151.5 | 15.0 | 9.0\% | 150.2 | 16.3 | 9.8\% | 149.0 | 17.5 | 10.5\% | 147.7 | 18.8 | 11.3\% |
|  | 365318 | 2015 | Dry | September | Used in Summary Table Analysis | 120.7 | 109.5 | 11.2 | 9.3\% | 108.4 | 12.3 | 10.2\% | 107.3 | 13.4 | 11.1\% | 106.2 | 14.5 | 12.0\% | 105.0 | 15.6 | 13.0\% | 103.9 | 16.8 | 13.9\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | Exing Condrons |  |  |  |  |  | 20\% |  |  | 30\% |  |  | 40\% Pumping increase |  |  | S0\% |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference |
| me 4 | 365318 | 2016 | Above Normal |  | October | Used in Summary Table Analysis | 86.0 | 76.5 | 9.5 | 11.0\% | 75.6 | 10.4 | 12.1\% | 74.6 | 11.4 | 13.3\% | 74.2 | 11.8 | 13.7\% | 73.4 | 12.6 | 14.6\% | 72.1 | 13.9 | 16.2\% |
| ME4 | 365318 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,877.1 | 3,869.9 | 7.2 | 0.2\% | 3,869.2 | 7.9 | 0.2\% | 3,868.5 | 8.6 | 0.2\% | 3,867.7 | 9.4 | 0.2\% | 3,867.0 | 10.1 | 0.3\% | 3,866.2 | 10.9 | 0.3\% |
| me4 | 365318 | 2016 | Above Normal | December - |  | 36,679.4 | 36,673.6 | 5.8 | 0.0\% | 36,67.5 | 6.9 | 0.0\% | 36,672.5 | 6.9 | 0.0\% | 36,671.3 | 8.1 | 0.0\% | 36,670.1 | 9.3 | 0.0\% | 36,670.1 | 9.3 | 0.0\% |
| ME4 | 365318 | 2016 | Above Normal | January | -- | 57,379.6 | 57,373.8 | 5.8 | 0.0\% | 57,373.8 | 5.8 | 0.0\% | 57,372.7 | 6.9 | 0.0\% | 57,372.7 | 6.9 | 0.0\% | 57,371.5 | 8.1 | 0.0\% | 57,371.5 | 8.1 | 0.0\% |
| ME4 | 365318 | 2016 | Above Normal | February |  | 24,277.8 | 24,273.1 | 4.6 | 0.0\% | 24,273.1 | 4.6 | 0.0\% | 24,272.0 | 5.8 | 0.0\% | 24,272.0 | 5.8 | 0.0\% | 24,270.8 | 6.9 | 0.0\% | 24,270.8 | 6.9 | 0.0\% |
| ME4 | 365318 | 2016 | Above Normal | March | - | 41,805.6 | 41,800.9 | 4.6 | 0.0\% | 41,800.9 | 4.6 | 0.0\% | 41,799.8 | 5.8 | 0.0\% | 41,7998 | 5.8 | 0.0\% | 41,798.6 | 6.9 | 0.0\% | 41,798.6 | 6.9 | 0.0\% |
| ME4 | 365318 | 2016 | Above Normal | April | - | 18,545.1 | 18,540.5 | 4.6 | 0.0\% | 18,50.5 | 4.6 | 0.0\% | 18,539.4 | 5.8 | 0.0\% | 18,539.4 | 5.8 | 0.0\% | 18,539.4 | 5.8 | 0.0\% | 18,538.2 | 6.9 | 0.0\% |
| ME4 | 365318 | 2016 | Above Normal | May | - | 5,217.5 | 5,212.2 | 5.3 | 0.1\% | 5,211.7 | 5.8 | 0.1\% | 5,211.1 | 6.4 | 0.1\% | 5,210.5 | 6.9 | 0.1\% | 5,210.0 | 7.5 | 0.1\% | 5,209.5 | 8.0 | 0.2\% |
| ME4 | 365318 | 2016 | Above Normal | June | - | 1,509.6 | 1,499.2 | 10.4 | 0.7\% | 1,498.1 | 11.5 | 0.8\% | 1,497.1 | 12.5 | 0.8\% | 1,496.1 | 13.5 | 0.9\% | 1,495.0 | 14.6 | 1.0\% | 1,994.0 | 15.6 | 1.0\% |
| ME4 | 365318 | 2016 | Above Normal | July | - | 823.2 | 811.7 | 11.5 | 1.4\% | 810.6 | 12.6 | 1.5\% | 809.5 | 13.8 | 1.7\% | 808.3 | 14.9 | 1.8\% | 807.2 | 16.1 | 2.0\% | 806.0 | 17.2 | 2.1\% |
| ME4 | 365318 | 2016 | Above Normal | August | -- | 491.9 | 480.7 | 11.1 | 2.3\% | 479.6 | 12.3 | 2.5\% | 478.5 | 13.4 | 2.7\% | 477.4 | 14.5 | 2.9\% | 476.3 | 15.6 | 3.2\% | 475.2 | 16.7 | 3.4\% |
| ME4 | 365318 | 2016 | Above Normal | September | Used in Summary Table Analysis | 328.2 | 318.4 | 9.8 | 3.0\% | 317.4 | 10.8 | 3.3\% | 316.4 | 11.8 | 3.6\% | 315.4 | 12.8 | 3.9\% | 314.4 | 13.8 | 4.2\% | 313.4 | 14.8 | 4.5\% |
| ME4 | 365318 | 2017 | Wet | October | Used in Summary Table Analysis | 18,306.7 | 18,298.6 | 8.1 | 0.0\% | 18,297.5 | 9.3 | 0.1\% | 18,297.5 | 9.3 | 0.1\% | 18,296.3 | 10.4 | 0.1\% | 18,295.1 | 11.6 | 0.1\% | 18,294.0 | 12.7 | 0.1\% |
| ME4 | 365318 | 2017 | Wet | November | Used in Summary Table Analysis | 18,848.4 | 18,842.6 | 5.8 | 0.0\% | 18,841.4 | 6.9 | 0.0\% | 18,841.4 | 6.9 | 0.0\% | 18,840.3 | 8.1 | 0.0\% | 18,840.3 | 8.1 | 0.0\% | 18,839.1 | 9.3 | 0.0\% |
| ME4 | 365318 | 2017 | Wet | December - |  | 24,150.5 | 24,145.8 | 4.6 | 0.0\% | 24,144.7 | 5.8 | 0.0\% | 24,144.7 | 5.8 | 0.0\% | 24,143.5 | 6.9 | 0.0\% | 24,143.5 | 6.9 | 0.0\% | 24,142.4 | 8.1 | 0.0\% |
| ME4 | 365318 | 2017 | Wet | January | -- | 107,005.0 | 107,0993 | 5.8 | 0.0\% | 107,009.3 | 5.8 | 0.0\% | 107,09.3 | 5.8 | 0.0\% | 107,008.1 | 6.9 | 0.0\% | 107,008.1 | 6.9 | 0.0\% | 107,006.9 | 8.1 | 0.0\% |
| ME4 | 365318 | 2017 | Wet | February - | -- | 81,905.1 | 81,900.5 | 4.6 | 0.0\% | 81,899.3 | 5.8 | 0.0\% | 81,899.3 | 5.8 | 0.0\% | 81,898.1 | 6.9 | 0.0\% | 81,898.1 | 6.9 | 0.0\% | $81,898.1$ | 6.9 | 0.0\% |
| ME4 | 365318 | 2017 | Wet | March | - | 27,295.1 | 27,290.5 | 4.6 | 0.0\% | 27,290.5 | 4.6 | 0.0\% | 27,290.5 | 4.6 | 0.0\% | 27,289.4 | 5.8 | 0.0\% | 27,289.4 | 5.8 | 0.0\% | 27,288.2 | 6.9 | 0.0\% |
| ME4 | 365318 | 2017 | Wet | April | - | 22,958.3 | 22,953.7 | 4.6 | 0.0\% | 22,993.7 | 4.6 | 0.0\% | 22,953.7 | 4.6 | 0.0\% | 22,952.5 | 5.8 | 0.0\% | 22,952.5 | 5.8 | 0.0\% | 22,952.5 | 5.8 | 0.0\% |
| ME4 | 365318 | 2017 | Wet | May | - | 6,273.0 | 6,267.7 | 5.3 | 0.1\% | 6,267.1 | 5.9 | 0.1\% | 6,266.6 | 6.5 | 0.1\% | 6,266.0 | 7.1 | 0.1\% | 6,265.4 | 7.6 | 0.1\% | 6,264.9 | 8.1 | 0.1\% |
| ME4 | 365318 | 2017 | Wet | June | - | 2,118.3 | 2,107.6 | 10.6 | 0.5\% | 2,106.6 | 11.7 | 0.6\% | 2,105.4 | 12.8 | 0.6\% | 2,104.4 | 13.9 | 0.7\% | 2,103.4 | 14.9 | 0.7\% | 2,102.2 | 16.1 | 0.8\% |
| ME4 | 365318 | 2017 | Wet | July | - | 934.8 | 923.3 | 11.6 | 1.2\% | 922.1 | 12.7 | 1.4\% | 921.0 | 13.9 | 1.5\% | 919.8 | 15.1 | 1.6\% | 918.6 | 16.2 | 1.7\% | 917.5 | 17.4 | 1.9\% |
| ME4 | 365318 | 2017 | Wet | August | -- | 507.0 | 495.9 | 11.2 | 2.2\% | 494.7 | 12.3 | 2.4\% | 493.6 | 13.4 | 2.6\% | 492.5 | 14.5 | 2.9\% | 491.4 | 15.6 | 3.1\% | 490.3 | 16.7 | 3.3\% |
| ME4 | 365318 | 2017 | Wet | September | Used in Summary Table Analysis | 323.0 | 312.7 | 10.3 | 3.2\% | 311.7 | 11.3 | 3.5\% | 310.7 | 12.3 | 3.8\% | 309.7 | 13.3 | 4.1\% | 308.7 | 14.3 | 4.4\% | 307.6 | 15.4 | 4.8\% |
| ME4 | 365318 | 2018 | Above Normal | October | Used in Summary Table Analysis | 275.8 | 268.6 | 7.2 | 2.6\% | 267.4 | 8.4 | 3.0\% | 266.4 | 9.3 | 3.4\% | 265.4 | 10.4 | 3.8\% | 264.4 | 11.3 | 4.1\% | 263.6 | 12.1 | 4.4\% |
| ME4 | 365318 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,813.9 | 10,807.6 | 6.3 | 0.1\% | 10,806.9 | 6.9 | 0.1\% | 10,806.4 | 7.5 | 0.1\% | 10,805.7 | 8.2 | 0.1\% | 10,805.1 | 8.8 | 0.1\% | 10,804.4 | 9.5 | 0.1\% |
| ME4 4 | 365318 | 2018 | Above Normal | December - | - | 5,447.6 | 5,442.2 | 5.3 | 0.1\% | 5,441.8 | 5.8 | 0.1\% | 5.441 .2 | 6.4 | 0.1\% | 5,440.6 | 6.9 | 0.1\% | 5,440.2 | 7.4 | 0.1\% | 5,439.6 | 8.0 | 0.1\% |
| ME4 | 365318 | 2018 | Above Normal | January |  | 17,819.4 | 17,814.8 | 4.6 | 0.0\% | 17,814.8 | 4.6 | 0.0\% | 17,813.7 | 5.8 | 0.0\% | 17,813,7 | 5.8 | 0.0\% | 17,812.5 | 6.9 | 0.0\% | 17,812.5 | 6.9 | 0.0\% |
| ME4 | 365318 | 2018 | Above Normal | February - | -- | 7,598.8 | 7,594.6 | 4.3 | 0.1\% | 7,594.1 | 4.7 | 0.1\% | 7,593.8 | 5.1 | 0.1\% | 7,593.3 | 5.6 | 0.1\% | 7,592.8 | 6.0 | 0.1\% | 7,592.4 | 6.5 | 0.1\% |
| ME4 | 365318 | 2018 | Above Normal | March | -- | 20,724.5 | 20,721.1 | 3.5 | 0.0\% | 20,719.9 | 4.6 | 0.0\% | 20,719.9 | 4.6 | 0.0\% | 20,718.8 | 5.8 | 0.0\% | 20,718.8 | 5.8 | 0.0\% | 20,718.8 | 5.8 | 0.0\% |
| ME4 | 365318 | 2018 | Above Normal | April | - | 32,230.3 | 32,226.9 | 3.5 | 0.0\% | 32,225.7 | 4.6 | 0.0\% | 32,225.7 | 4.6 | 0.0\% | 32,225.7 | 4.6 | 0.0\% | 32,224.5 | 5.8 | 0.0\% | 32,224.5 | 5.8 | 0.0\% |
| ME4 4 | 365318 | 2018 | Above Normal | May | - | 6,989.1 | 6,980.8 | 8.3 | 0.1\% | 6,979.9 | 9.3 | 0.1\% | 6,979.1 | 10.1 | 0.1\% | 6,978.2 | 10.9 | 0.2\% | 6,977.4 | 11.7 | 0.2\% | 6,976.6 | 12.5 | 0.2\% |
| ME4 | 365318 | 2018 | Above Normal | June |  | 1,914.2 | 1,903.5 | 10.8 | 0.6\% | 1,902.4 | 11.8 | 0.6\% | 1,901.3 | 13.0 | 0.7\% | 1,900.2 | 14.0 | 0.7\% | 1,899.2 | 15.0 | 0.8\% | 1,898.0 | 16.2 | 0.8\% |
| ME4 | 365318 | 2018 | Above Normal | July | - | 781.7 | 770.1 | 11.6 | 1.5\% | 768.9 | 12.7 | 1.6\% | 767.8 | 13.9 | 1.8\% | 766.6 | 15.1 | 1.9\% | 765.5 | 16.2 | 2.1\% | 764.3 | 17.4 | 2.2\% |
| ME4 | 365318 | 2018 | Above Normal | August | - | 442.9 | 432.2 | 10.7 | 2.4\% | 431.1 | 11.8 | 2.7\% | 430.0 | 12.9 | 2.9\% | 429.0 | 13.9 | 3.1\% | 427.9 | 15.0 | 3.4\% | 426.8 | 16.1 | 3.6\% |
| ME4 | 365318 | 2018 | Above Normal | September | Used in Summary Table Analysis | 300.3 | 290.0 | 10.2 | 3.4\% | 289.0 | 11.3 | 3.8\% | 288.0 | 12.3 | 4.1\% | 286.9 | 13.3 | 4.4\% | 285.9 | 14.4 | 4.8\% | 284.9 | 15.4 | 5.1\% |
| ME4 | 365318 | 2019 | Below Normal | October | Used in Summary Table Analysis | 208.0 | 200.0 | 8.0 | 3.8\% | 199.2 | 8.8 | 4.2\% | 198.4 | 9.5 | 4.6\% | 197.6 | 10.4 | 5.0\% | 196.9 | 11.1 | 5.3\% | 196.1 | 11.9 | 5.7\% |
| ME4 | 365318 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,638.0 | 6,631.7 | 6.3 | 0.1\% | 6,631.0 | 6.9 | 0.1\% | 6,630.4 | 7.5 | 0.1\% | 6,629.7 | 8.2 | 0.1\% | 6,629.2 | 8.8 | 0.1\% | 6,628.6 | 9.4 | 0.1\% |
| ME 4 | 365318 365318 | 2019 | Below Normal | December - | - | $14,691.0$ 359720 | $14,685.2$ $\mathbf{3 5 , 2 6 2}$ | 5.8 58 | 0.0\% | $14,685.2$ 35.26 .2 | 5.8 58 | 0.0\% | $14,684.0$ 3526.2 | 6.9 58 | 0.0\% | $14,684.0$ S5, | ${ }_{6}^{6.9}$ | 0.0\% | $14,682.9$ $\mathbf{3 5 , 2 5 0}$ | 8.1 | 0.1\% | $14,682.9$ 53,239 | 8.1 | 0.1\% |
|  | 365318 <br> 365318 | $\begin{aligned} & 2019 \\ & 2019 \\ & 2019 \end{aligned}$ | Below Normal Below Normal | January February - | $\cdots$ | $35,272.0$ 141979.2 | $35,266.2$ $141,967.6$ | 5.8 11.6 | 0.0\% $0.0 \%$ | $35,266.2$ $141,967.6$ | 5.8 11.6 | 0.0\% $0.0 \%$ | $35,266.2$ $141,967.6$ | 5.8 11.6 | 0.0\% $0.0 \%$ | $35,265.0$ $141,967.6$ | 6.9 11.6 | 0.0\% $0.0 \%$ | $35,265.0$ $141,967.6$ | 6.9 11.6 | 0.0\% $0.0 \%$ | 35,263.9 $141,967.6$ | 8.1 11.6 | - $0.0 \%$ |
| ME4 | 365318 | 2019 | Below Normal | March | -- | 42,399.5 | 42,346,1 | 3.5 | 0.0\% | 42,344.9 | 4.6 | 0.0\% | 42,344.9 | 4.6 | 0.0\% | 42,344.9 | 4.6 | 0.0\% | 42,343.8 | 5.8 | 0.0\% | 42,343.8 | 5.8 | 0.0\% |
| ME4 | 365318 | 2019 | Below Normal | April | - | 15,280.1 | 15,276.6 | 3.5 | 0.0\% | 15,275.5 | 4.6 | 0.0\% | 15,275.5 | 4.6 | 0.0\% | 15,275.5 | 4.6 | 0.0\% | 15,274.3 | 5.8 | 0.0\% | 15,274.3 | 5.8 | 0.0\% |
| ME4 | 365318 | 2019 | Below Normal | May | - | 16,980.3 | 16,971.1 | 9.3 | 0.1\% | 16,971.1 | 9.3 | 0.1\% | 16,969.9 | 10.4 | 0.1\% | 16,968.8 | 11.6 | 0.1\% | 16,967.6 | 12.7 | 0.1\% | 16,966.4 | 13.9 | 0.1\% |
| ME4 | 365318 | 2019 | Below Normal | June | - | 4,242.6 | 4,230.9 | 11.7 | 0.3\% | 4,229.7 | 12.8 | 0.3\% | 4,228.6 | 14.0 | 0.3\% | 4,227.4 | 15.2 | 0.4\% | 4,226.3 | 16.3 | 0.4\% | 4,225.1 | 17.5 | 0.4\% |
| ME4 | 365318 | 2019 | Below Normal | July | - | 1,361.7 | 1,350.1 | 11.6 | 0.8\% | 1,349.0 | 12.7 | 0.9\% | 1,347.8 | 13.9 | 1.0\% | 1,346.6 | 15.0 | 1.1\% | 1,345.5 | 16.2 | 1.2\% | 1,344.2 | 17.5 | 1.3\% |
| ME4 | 365318 | 2019 | Below Normal | August | -- | 596.9 | 585.8 | 11.0 | 1.8\% | 584.7 | 12.1 | 2.0\% | 583.6 | 13.2 | 2.2\% | 582.5 | 14.3 | 2.4\% | 581.4 | 15.5 | 2.6\% | 580.3 | 16.6 | 2.8\% |
| ME4 | 365318 | 2019 | Below Normal | September | Used in Summary Table Analysis | 462.9 | 452.7 | 10.2 | 2.2\% | 451.7 | 11.2 | 2.4\% | 450.6 | ${ }^{12.3}$ | 2.7\% | 449.7 | ${ }^{13.3}$ | 2.9\% | 448.6 | 14.3 | 3.1\% | 447.6 | 15.3 | 3.3\% |
| ME 4 | 365318 <br> 365318 | 2020 | Dry | October | Used in Summary Table Analysis | 355.9 3203 | 348.3 314.4 | 7.6 59 | 2.1\% | 347.5 3138 | 8.4 6.5 | ${ }^{2.4 \%}$ | 346.8 | ${ }_{71}^{9.1}$ | 2.6\% | 346.0 312. | 9.9 | 2.8\% | 345.2 312.2 | 10.7 8.3 | 3.0\% | 344.5 | 11.4 | $3.2 \%$ $28 \%$ |
| ME4 | 365318 | 2020 | Dry Dry | November December -- | Used in Summary Table Analysis | 320.3 | 314.4 13,36.0 | 5.9 5.8 | 1.8\% | 313.8 13.316 .0 | $\begin{aligned} & 6.5 \\ & 5.8 \end{aligned}$ | $\begin{aligned} & 2.0 \% \\ & 0.0 \% \\ & 0 . \end{aligned}$ |  | $\begin{aligned} & 7.1 \\ & 6.9 \end{aligned}$ | $\begin{aligned} & 2.2 \% \\ & 0.1 \% \\ & 0 \end{aligned}$ |  | $\begin{aligned} & 7.7 \\ & 6.9 \end{aligned}$ | 2.4\% | 312.0 13,314.8 | 8.3 6.9 | 2.6\% | 311.4 $13,313.7$ | 8.9 8.1 | 2.8\% |
| ME 4 ME 4 | 365318 365318 | 2020 | ${ }_{\text {dry }}$ | December - January | -- | $13,321.8$ <br> $22,358.8$ <br> 1 | ${ }^{13,3146.0}$ | 5.8 4.6 | 0.0\% | 13,31.0 22,353.0 | 5.8 5.8 | 0.0\% | ${ }_{\text {22,353.0 }}$ | 5.8 | 0.0\% | ${ }_{\text {22,351.9 }}^{13,12.6}$ | 6.9 | 0.0\% | 22,351.9 | 6.9 | 0.0\% | 22,350.7 | ${ }_{8.1}^{8.1}$ | 0.1\%\% |
| ME4 | 365318 | 2020 | Dry | February |  | 7,415.4 | 7,411.0 | 4.4 | 0.1\% | 7,410.5 | 4.9 | 0.1\% | 7,410.1 | 5.3 | 0.1\% | 7,409.6 | 5.8 | 0.1\% | +7,409.1 | 6.3 | 0.1\% | 7,408.7 | 6.7 | 0.1\% |
| ME4 | 365318 | 2020 | Dry | March | - | 7,248.6 | 7,244.4 | 4.2 | 0.1\% | 7,244.0 | 4.6 | 0.1\% | 7,243.6 | 5.0 | 0.1\% | 7,243.2 | 5.4 | 0.1\% | 7,242.7 | 5.9 | 0.1\% | 7,242.4 | 6.3 | 0.1\% |
| ME4 | 365318 | 2020 | Dry | April | - | 5,487.8 | 5,479.2 | 8.7 | 0.2\% | 5,478.2 | 9.6 | 0.2\% | 5,477.3 | 10.5 | 0.2\% | 5,476.5 | 11.3 | 0.2\% | 5,475.6 | 12.3 | 0.2\% | 5,474.8 | 13.1 | 0.2\% |
| ME4 | 365318 | 2020 | Dry | May | -- | 7,383.3 | 7,372.9 | 10.4 | 0.1\% | 7,371.9 | 11.5 | 0.2\% | 7,370.7 | 12.6 | 0.2\% | 7,369.7 | 13.7 | 0.2\% | 7,368.6 | 14.7 | 0.2\% | 7,367.6 | 15.7 | 0.2\% |
| ME4 | 365318 | 2020 | Dry | June | - | 2,104.2 | 2,090.3 | 13.9 | 0.7\% | 2,088.9 | 15.3 | 0.7\% | 2,087.5 | 16.7 | 0.8\% | 2,086.1 | 18.1 | 0.9\% | 2,084.7 | 19.4 | 0.9\% | 2,083.3 | 20.8 | 1.0\% |
| me 4 | 365318 | 2020 | Dry | July | - | 796.5 | 783.0 | 13.5 | 1.7\% | 781.6 | 14.8 | 1.9\% | 780.3 | 16.2 | 2.0\% | 778.9 | 17.5 | 2.2\% | 777.6 | 18.9 | 2.4\% | 776.2 | 20.2 | 2.5\% |
| ME4 | 365318 | 2020 | Dry | August | -- | 399.2 | 386.0 | 13.3 | 3.3\% | 384.7 | 14.6 | 3.7\% | 383.3 | 15.9 | 4.0\% | 382.0 | 17.2 | 4.3\% | 380.7 | 18.5 | 4.6\% | 379.4 | 19.9 | 5.0\% |
| me 4 | 365318 | 2020 | Dry | September | Used in Summary Table Analysis | 248.6 | 236.9 | 11.8 | 4.7\% | 235.7 | 13.0 | 5.2\% | 234.5 | 14.1 | 5.7\% | 233.3 | 15.3 | 6.2\% | 232.2 | 16.5 | 6.6\% | 231.0 | 17.7 | 7.1\% |
| ME4 | 355319 | 2000 | Above Normal | October | Used in Summary Table Analysis | 817.3 | 809.1 | 8.1 | 1.0\% | 808.3 | 8.9 | 1.1\% | 807.5 | 9.7 | 1.2\% | 806.7 | 10.6 | 1.3\% | 805.9 | 11.4 | 1.4\% | 805.1 | 12.2 | 1.5\% |
| ME 4 | 355319 35519 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,153.9 | 12,147.0 | 6.9 54 | ${ }^{0.1 \%}$ | 12,145.8 | 8.1 | ${ }^{0.1 \%}$ | 12,145.8 | 8.1 | 0.1\% | 12,144.7 | 9.3 | 0.1\% | 12,144.7 | ${ }^{9.3}$ | ${ }^{0.1 \%}$ | 12,143.5 | 10.4 | 0.1\% |
| ME4 | 355319 | 2000 | Above Normal | December - |  | 10,829.3 | 10,823.8 | 5.4 | 0.1\% | 10,823.3 | ${ }^{6.0}$ | 0.1\% | 10,822.7 | ${ }^{6.6}$ | 0.1\% | 10,822.1 | 7.2 | 0.1\% | 10,821.6 | 7.6 | 0.1\% | 10,821.1 | 8.2 | 0.1\% $0.0 \%$ |
|  |  |  | Above Normal | January |  |  |  |  |  | 28,629.6 |  |  | 28,629.6 | 5.8 |  | 28,628.5 | 6.9 | 0.0\% | 28,628.5 | 6.9 | 0.0\% | 28,628.5 | 6.9 | 0.0\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | FlowWithout Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Note | Flow (cts) |  | Flow Difference (cfs) | Percent Difference | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (cts) | $\begin{gathered} \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| me 4 | 355319 | 2000 | Above Normal |  | February | -- | 37,079.9 | 37,075.2 | 4.6 | 0.0\% | 37,075.2 | 4.6 | 0.0\% | 37,075.2 | 4.6 | 0.0\% | 37,074.1 | 5.8 | 0.0\% | 37,074.1 | 5.8 | 0.0\% | 37,072.9 | 6.9 | 0.0\% |
| ME 4 | 355319 | 2000 | Above Normal | March | - | 18,328.7 | 18,324.1 | 4.6 | 0.0\% | 18,324.1 | 4.6 | 0.0\% | 18,322.9 | 5.8 | 0.0\% | 18,32.9 | 5.8 | 0.0\% | 18,322.9 | 5.8 | 0.0\% | 18,321.8 | 6.9 | 0.0\% |
| ME 4 | 355319 | 2000 | Above Normal | April | - | 12,322.9 | 12,319.4 | 3.5 | 0.0\% | 12,3199.4 | 3.5 | 0.0\% | 12,318.3 | 4.6 | 0.0\% | 12,318.3 | 4.6 | 0.0\% | 12,317.1 | 5.8 | 0.0\% | 12,317.1 | 5.8 | 0.0\% |
| ME4 | 355319 | 2000 | Above Normal | May | - | 7,102.0 | 7,093.3 | 8.7 | 0.1\% | 7,092.5 | 9.5 | 0.1\% | 7,091.6 | 10.4 | 0.1\% | 7,090.7 | 11.2 | 0.2\% | 7,089.8 | 12.2 | 0.2\% | 7,089.0 | 13.0 | 0.2\% |
| ME4 | 355319 | 2000 | Above Normal | June | - | 2,613.8 | 2,600.8 | 13.0 | 0.5\% | 2,599.5 | 14.2 | 0.5\% | 2,598.3 | 15.5 | 0.6\% | 2,597.0 | 16.8 | 0.6\% | 2,595.7 | 18.1 | 0.7\% | 2,594.4 | 19.3 | 0.7\% |
| ME4 | 355319 | 2000 | Above Normal | July | - | 992.4 | 980.7 | 11.7 | 1.2\% | 979.5 | 12.8 | 1.3\% | 978.4 | 14.0 | 1.4\% | 977.2 | 15.2 | 1.5\% | 976.0 | 16.4 | 1.6\% | 974.9 | 17.5 | 1.8\% |
| me 4 | 355319 | 2000 | Above Normal | August | -- | 522.5 | 511.5 | 11.0 | 2.1\% | 510.4 | 12.1 | 2.3\% | 509.3 | 13.2 | 2.5\% | 508.2 | 14.3 | 2.7\% | 507.1 | 15.4 | 2.9\% | 506.0 | 16.5 | 3.2\% |
| ME4 | 355319 | 2000 | Above Normal | September | Used in Summary Table Analysis | 295.6 | 285.9 | 9.7 | 3.3\% | 284.9 | 10.7 | 3.6\% | 284.0 | 11.6 | 3.9\% | 283.0 | 12.6 | 4.3\% | 282.0 | 13.6 | 4.6\% | 281.0 | 14.5 | 4.9\% |
| ME4 | 355319 | 2001 | Dry | October | Used in Summary Table Analysis | 3,822.6 | 3,814.6 | 8.0 | 0.2\% | 3,813.8 | 8.8 | 0.2\% | 3,813.1 | 9.5 | 0.2\% | 3,812.3 | 10.3 | 0.3\% | 3,811.5 | 11.1 | 0.3\% | 3,810.6 | 11.9 | 0.3\% |
| ME4 | 355319 | 2001 | Dry | November | Used in Summary Table Analysis | 6,136.9 | 6,130.4 | 6.5 | 0.1\% | 6,129.9 | 7.1 | 0.1\% | 6,129.2 | 7.8 | 0.1\% | 6,128.6 | 8.3 | 0.1\% | 6,127.9 | 9.0 | 0.1\% | 6,127.3 | 9.6 | 0.2\% |
| ME4 | 355319 | 2001 | Dry | December |  | 8,851.4 | 8,845.8 | 5.6 | 0.1\% | 8,845.4 | 6.0 | 0.1\% | 8,844.8 | 6.6 | 0.1\% | 8,844.2 | 7.2 | 0.1\% | 8,843.6 | 7.8 | 0.1\% | 8,843.1 | 8.3 | 0.1\% |
| me 4 | 355319 | 2001 | Dry | January | -- | 12,816.0 | 12,811.3 | 4.6 | 0.0\% | 12,811.3 | 4.6 | 0.0\% | 12,810.2 | 5.8 | 0.0\% | 12,810.2 | 5.8 | 0.0\% | 12,809.0 | 6.9 | 0.1\% | 12,809.0 | 6.9 | 0.1\% |
| ME4 | 355319 | 2001 | Dry | February | -- | 17,487.3 | 17,482.6 | 4.6 | 0.0\% | 17,482.6 | 4.6 | 0.0\% | 17,482.6 | 4.6 | 0.0\% | 17,481.5 | 5.8 | 0.0\% | 17,481.5 | 5.8 | 0.0\% | 17,480.3 | 6.9 | 0.0\% |
| ME4 | 355319 | 2001 | Dry | March | - | 12,304.4 | 12,300.9 | 3.5 | 0.0\% | 12,299.8 | 4.6 | 0.0\% | 12,299.8 | 4.6 | 0.0\% | 12,299.8 | 4.6 | 0.0\% | 12,298.6 | 5.8 | 0.0\% | 12,298.6 | 5.8 | 0.0\% |
| ME4 | 355319 | 2001 | Dry | April | - | 10,980.1 | 10,971.2 | 8.9 | 0.1\% | 10,970.3 | 9.8 | 0.1\% | 10,969.4 | 10.6 | 0.1\% | 10,968.5 | 11.6 | 0.1\% | 10,967.6 | 12.5 | 0.1\% | 10,966.8 | 13.3 | 0.1\% |
| ME4 | 355319 | 2001 | Dry | May | - | 2,636.6 | 2,626.0 | 10.5 | 0.4\% | 2,625.0 | 11.6 | 0.4\% | 2,624.0 | 12.6 | 0.5\% | 2,622.9 | 13.7 | 0.5\% | 2,621.9 | 14.7 | 0.6\% | 2,620.8 | 15.7 | 0.6\% |
| ME4 | 355319 | 2001 | Dry | June | - | 2,653.0 | 2,638.7 | 14.4 | 0.5\% | 2,637.2 | 15.9 | 0.6\% | 2,635.8 | 17.2 | 0.7\% | 2,634.3 | 18.8 | 0.7\% | 2,632.9 | 20.1 | 0.8\% | 2,631.5 | 21.5 | 0.8\% |
| ME4 | 355319 | 2001 | Dry | July | - | 718.3 | 704.9 | 13.4 | 1.9\% | 703.5 | 14.8 | 2.1\% | 702.2 | 16.1 | 2.2\% | 700.8 | 17.5 | 2.4\% | 699.5 | 18.8 | 2.6\% | 698.2 | 20.2 | 2.8\% |
| ME4 | 355319 | 2001 | Dry | August | -- | 172.7 | 159.6 | 13.1 | 7.6\% | 158.3 | 14.4 | 8.3\% | 157.0 | 15.7 | 9.1\% | 155.7 | 17.0 | 9.9\% | 154.4 | 18.3 | 10.6\% | 153.1 | 19.6 | 11.4\% |
| ME4 | 355319 | 2001 | Dry | September | Used in Summary Table Analysis | 95.6 | 83.9 | 11.6 | 12.2\% | 82.8 | 12.8 | 13.4\% | 81.6 | 14.0 | 14.6\% | 80.4 | 15.2 | 15.9\% | 79.2 | 16.3 | 17.1\% | 78.1 | 17.5 | 18.3\% |
| ME4 | 355319 | 2002 | Below Normal | October | Used in Summary Table Analysis | 265.3 | 255.7 | 9.7 | 3.6\% | 254.7 | 10.6 | 4.0\% | 253.7 | 11.6 | 4.4\% | 252.7 | 12.7 | 4.8\% | 251.7 | 13.6 | 5.1\% | 250.8 | 14.6 | 5.5\% |
| ME4 | 355319 | 2002 | Below Normal | November | Used in Summary Table Analysis | 12,042.8 | 12,034.7 | 8.1 | 0.1\% | 12,034.7 | 8.1 | 0.1\% | 12,033.6 | 9.3 | 0.1\% | 12,032.4 | 10.4 | 0.1\% | 12,032.4 | 10.4 | 0.1\% | 12,031.3 | 11.6 | 0.1\% |
| ME4 | 355319 | 2002 | Below Normal | December | - | 35,736.1 | 35,729.2 | 6.9 | 0.0\% | 35,728.0 | 8.1 | 0.0\% | 35,728.0 | 8.1 | 0.0\% | 35,726.9 | 9.3 | 0.0\% | 35,726.9 | 9.3 | 0.0\% | 35,725.7 | 10.4 | 0.0\% |
| ME4 | 355319 | 2002 | Below Normal | January | -- | 30,910.9 | 30,905.1 | 5.8 | 0.0\% | 30,903.9 | 6.9 | 0.0\% | 30,903.9 | 6.9 | 0.0\% | 30,902.8 | 8.1 | 0.0\% | 30,902.8 | 8.1 | 0.0\% | 30,901.6 | 9.3 | 0.0\% |
| ME4 | 355319 | 2002 | Below Normal | February | -- | 24,696.8 | 24,992.1 | 4.6 | 0.0\% | 24,691.0 | 5.8 | 0.0\% | 24,691.0 | 5.8 | 0.0\% | 24,689.8 | 6.9 | 0.0\% | 24,689.8 | 6.9 | 0.0\% | 24,688.7 | 8.1 | 0.0\% |
| ME4 | 355319 | 2002 | Below Normal | March | - | 17,794.0 | 17,789.4 | 4.6 | 0.0\% | 17,789.4 | 4.6 | 0.0\% | 17,788.2 | 5.8 | 0.0\% | 17,788.2 | 5.8 | 0.0\% | 17,787.0 | 6.9 | 0.0\% | 17,787.0 | 6.9 | 0.0\% |
| ME4 | 355319 | 2002 | Below Normal | April | - | 9,930.3 | 9,921.4 | 8.9 | 0.1\% | 9,920.6 | 9.7 | 0.1\% | 9,919.7 | 10.6 | 0.1\% | 9,918.8 | 11.6 | 0.1\% | 9,917.8 | 12.5 | 0.1\% | 9,916.9 | 13.4 | 0.1\% |
| ME4 | 355319 | 2002 | Below Normal | May | - | 3,320.8 | 3,310.4 | 10.4 | 0.3\% | 3,309.4 | 11.5 | 0.3\% | 3,308.2 | 12.6 | 0.4\% | 3,307.2 | 13.7 | 0.4\% | 3,306.1 | 14.7 | 0.4\% | 3,305.1 | 15.7 | 0.5\% |
| ME4 | 355319 | 2002 | Below Normal | June | - | 854.2 | 842.2 | 11.9 | 1.4\% | 841.0 | 13.1 | 1.5\% | 839.8 | 14.3 | 1.7\% | 838.6 | 15.5 | 1.8\% | 837.5 | 16.7 | 2.0\% | 836.3 | 17.9 | 2.1\% |
| ME4 | 355319 | 2002 | Below Normal | July | - | 362.7 | 350.6 | 12.1 | 3.3\% | 349.4 | 13.3 | 3.7\% | 348.2 | 14.5 | 4.0\% | 346.9 | 15.7 | 4.3\% | 345.7 | 16.9 | 4.7\% | 344.5 | 18.1 | 5.0\% |
| ME4 | 355319 | 2002 | Below Normal | August | - | 227.5 | 216.2 | 11.3 | 5.0\% | 215.0 | 12.5 | 5.5\% | 213.9 | 13.6 | 6.0\% | 212.7 | 14.7 | 6.5\% | 211.6 | 15.9 | 7.0\% | 210.5 | 17.0 | 7.5\% |
| ME4 | 355319 | 2002 | Below Normal | September | Used in Summary Table Analysis | 164.2 | 153.5 | 10.7 | 6.5\% | 152.4 | 11.7 | 7.2\% | 151.4 | 12.8 | 7.8\% | 150.3 | 13.9 | 8.5\% | 149.2 | 15.0 | 9.1\% | 148.1 | 16.0 | 9.8\% |
| ME4 4 | 355319 | 2003 | Wet | October | Used in Summary Table Analysis | 129.1 | 120.4 | 8.7 | 6.7\% | 119.5 | ${ }^{9.6}$ | 7.4\% | 118.7 | 10.4 | 8.1\% | 117.8 | 11.3 | 8.8\% | 116.9 | 12.2 | 9.4\% | 116.0 | 13.1 | 10.1\% |
| ME4 | 355319 | 2003 | Wet | November | Used in Summary Table Analysis | 896.8 | 889.8 | 7.0 | 0.8\% | 889.1 | 7.7 | 0.9\% | 888.4 | 8.4 | 0.9\% | 887.7 | 9.1 | 1.0\% | 887.0 | 9.8 | 1.1\% | 886.3 | 10.5 | 1.2\% |
| ME4 | 355319 | 2003 | Wet | December |  | 56,945.6 | 56,938.7 | 6.9 | 0.0\% | 56,938.7 | 6.9 | 0.0\% | 56,937.5 | 8.1 | 0.0\% | 56,937.5 | 8.1 | 0.0\% | 56,936, 3 | 9.3 | 0.0\% | 56,936.3 | 9.3 | 0.0\% |
| ME4 | 355319 | 2003 | Wet | January | -- | 31,555.6 | 31,550.9 | 4.6 | 0.0\% | 31,549.8 | 5.8 | 0.0\% | 31,549.8 | 5.8 | 0.0\% | 31,548.6 | 6.9 | 0.0\% | 31,548.6 | 6.9 | 0.0\% | 31,547.5 | 8.1 | 0.0\% |
| ME4 | 355319 | 2003 | Wet | February | -- | 20,366.9 | 20,361.1 | 5.8 | 0.0\% | 20,361.1 | 5.8 | 0.0\% | 20,361.1 | 5.8 | 0.0\% | 20,360.0 | 6.9 | 0.0\% | 20,360.0 | 6.9 | 0.0\% | 20,358.8 | 8.1 | 0.0\% |
| ME4 4 | 355319 | 2003 | Wet | March | - | 24,054.4 | 24,049.8 | 4.6 | 0.0\% | 24,048.6 | 5.8 | 0.0\% | 24,048.6 | 5.8 | 0.0\% | 24,047.5 | 6.9 | 0.0\% | 24,047.5 | 6.9 | 0.0\% | 24,047.5 | 6.9 | 0.0\% |
| ME4 | 355319 | 2003 | Wet | April | - | 42,965.3 | 42,960.6 | 4.6 | 0.0\% | 42,959.5 | 5.8 | 0.0\% | 42,959.5 | 5.8 | 0.0\% | 42,959.5 | 5.8 | 0.0\% | 42,958.3 | 6.9 | 0.0\% | 42,958.3 | 6.9 | 0.0\% |
| ME4 | 355319 | 2003 | Wet | May | - | 12,230, 3 | 12,222.2 | 8.1 | 0.1\% | 12,221.1 | 9.3 | 0.1\% | 12,219.9 | 10.4 | 0.1\% | 12,218.8 | 11.6 | 0.1\% | 12,217.6 | 12.7 | 0.1\% | 12,217.6 | 12.7 | 0.1\% |
| ME4 | 355319 | 2003 | Wet | June | - | 3,167.6 | 3,155.9 | 11.7 | 0.4\% | 3,154.9 | 12.7 | 0.4\% | 3,153.7 | 13.9 | 0.4\% | 3,152.5 | 15.0 | 0.5\% | 3,151.4 | 16.2 | 0.5\% | 3,150.2 | 17.4 | 0.5\% |
| ME4 | 355319 | 2003 | Wet | July | - | 1,475.1 | 1,463.2 | 11.9 | 0.8\% | 1,461.9 | 13.2 | 0.9\% | 1,460.8 | 14.4 | 1.0\% | 1,459.5 | 15.6 | 1.1\% | 1,458.3 | 16.8 | 1.1\% | 1,457.2 | 17.9 | 1.2\% |
| ME4 4 | 355319 | 2003 | Wet | August | - | 760.9 | 749.3 | 11.6 | 1.5\% | 748.2 | 12.7 | 1.7\% | 747.1 | 13.9 | 1.8\% | 745.9 | 15.1 | 2.0\% | 744.7 | 16.2 | 2.1\% | 743.5 | 17.4 | 2.3\% |
| ME4 | 355319 | 2003 | Wet | September | Used in Summary Table Analysis | 458.5 | 448.7 | 9.9 | 2.2\% | 447.7 | 10.9 | 2.4\% | 446.7 | 11.9 | 2.6\% | 445.7 | 12.8 | 2.8\% | 444.7 | 13.8 | 3.0\% | 443.7 | 14.8 | 3.2\% |
| ME4 | 355319 | 2004 | Wet | October | Used in Summary Table Analysis | 325.4 | 317.3 | 8.1 | 2.5\% | 316.4 | 8.9 | 2.7\% | 315.6 | 9.7 | 3.0\% | 314.8 | 10.6 | 3.2\% | 314.0 | 11.4 | 3.5\% | 313.2 | 12.2 | 3.7\% |
| ME4 | 355319 | 2004 | Wet | November | Used in Summary Table Analysis | 5,817.7 | 5,811.2 | 6.5 | 0.1\% | 5,810.5 | 7.2 | 0.1\% | 5,809.8 | 7.9 | 0.1\% | 5,809.3 | 8.4 | 0.1\% | 5,808.6 | 9.1 | 0.2\% | 5,807.9 | 9.8 | 0.2\% |
| ME4 | 355319 | 2004 | Wet | December | -- | 36,380.8 | 36,375.0 | 5.8 | 0.0\% | 36,375.0 | 5.8 | 0.0\% | 36,373.8 | 6.9 | 0.0\% | 36,373.8 | 6.9 | 0.0\% | 36,372.7 | 8.1 | 0.0\% | 36,372.7 | 8.1 | 0.0\% |
| ME4 4 | 355319 | 2004 | Wet | January | - | 31,522.0 | 31,517.4 | 4.6 | 0.0\% | 31,516.2 | 5.8 | 0.0\% | 31,516.2 | 5.8 | 0.0\% | 31,515.0 | 6.9 | 0.0\% | 31,515.0 | 6.9 | 0.0\% | 31,513.9 | 8.1 | 0.0\% |
| ME4 | 355319 | 2004 | Wet | February |  | 38,282.4 | 38,277.8 | 4.6 | 0.0\% | 38,276.6 | 5.8 | 0.0\% | 38,276.6 | 5.8 | 0.0\% | 38,276.6 | 5.8 | 0.0\% | 38,275.5 | 6.9 | 0.0\% | 38,275.5 | 6.9 | 0.0\% |
| ME4 | 355319 | 2004 | Wet | March | - | 16,531.3 | 16,527.8 | 3.5 | 0.0\% | 16,526.6 | 4.6 | 0.0\% | 16,526.6 | 4.6 | 0.0\% | 16,525.5 | 5.8 | 0.0\% | 16,525.5 | 5.8 | 0.0\% | 16,525.5 | 5.8 | 0.0\% |
| ME4 | 355319 | 2004 | Wet | April | - | 9,455.7 | 9,451.6 | 4.1 | 0.0\% | 9,451.2 | 4.5 | 0.0\% | 9,450.8 | 4.9 | 0.1\% | 9,450.3 | 5.3 | 0.1\% | 9,449.9 | 5.8 | 0.1\% | 9,449.5 | 6.1 | 0.1\% |
| ME4 | 355319 | 2004 | Wet | May | - | 3,424.1 | 3,415.4 | 8.7 | 0.3\% | 3,414.5 | 9.6 | 0.3\% | 3,413.5 | 10.5 | 0.3\% | 3,412.7 | 11.3 | 0.3\% | 3,411.8 | 12.3 | 0.4\% | 3,411.0 | 13.1 | 0.4\% |
| ME4 4 | 355319 | 2004 | Wet | June | - | ${ }^{692.1}$ | ${ }^{681.1}$ | 11.0 | 1.6\% | 680.1 | 12.1 | 1.7\% | 679.0 | 13.2 | 1.9\% | 677.9 | 14.3 | 2.1\% | 676.8 | 15.4 | 2.2\% | 675.7 | 16.4 | 2.4\% |
| ME 4 | 355319 | 2004 | Wet | July | - | 356.7 | 344.9 | 11.7 | 3.3\% | 343.8 | 12.9 | 3.6\% | 342.6 | 14.1 | 3.9\% | 341.4 | 15.3 | 4.3\% | 340.2 | 16.4 | 4.6\% | 339.1 | 17.6 | 4.9\% |
| ME4 | 355319 355319 | 2004 | Wet | August September | Used in Summary Table Analysis | 225.6 <br> 1525 | 214.5 1520 | 11.1 | 4.9\% | 213.4 1509 | 12.2 | 5.4\% | 212.3 | 13.3 | 5.9\% | 211.2 1189 | 14.4 | $6.4 \%$ <br> $8.4 \%$ <br> 18 | 210.1 <br> 1478 <br> 18.8 | 15.5 14.7 | 6.9\% | 20.0 1467 | 16.6 157 | 7.4\% |
| ME4 | 355319 | 2004 | Wet | September | Used in Summary Table Analysis | 162.5 | 152.0 | 10.5 | 6.4\% | 150.9 | 11.5 | 7.1\% | 149.9 | 12.6 | 7.7\% | 148.9 | 13.6 | 8.4\% | 147.8 | 14.7 | 9.0\% | 146.7 | 15.7 | 9.7\% |
| ME4 | 355319 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,702.0 | 7,693.8 | 8.2 | 0.1\% | 7,692.9 | 9.0 | 0.1\% | 7,692.1 | 9.8 | 0.1\% | 7,691.2 | 10.8 | 0.1\% | 7,690.4 | 11.6 | 0.2\% | 7,689.6 | 12.4 | 0.2\% |
| ME4 4 | 355319 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,258.8 | 2,252.3 | ${ }^{6.5}$ | 0.3\% | 2,251.7 | 7.1 | 0.3\% | ${ }^{2,2,51.0}$ | 7.8 | 0.3\% | 2,250.3 | 8.4 | 0.4\% | 2,249.8 21098 | 9.0 81 | 0.4\% $0.0 \%$ | $2,249.1$ 21,077 | 9.7 | 0.4\% |
| ME4 | 355319 | 2005 | Above Normal | December | -- | 21,086.8 | 21,081.0 | 5.8 | 0.0\% | 21,079.9 | 6.9 | 0.0\% | 21,079.9 | 6.9 | 0.0\% | 21,078.7 | 8.1 | 0.0\% | 21,078.7 | 8.1 | 0.0\% | 21,077.5 | 9.3 | 0.0\% $0.0 \%$ $0.0 \%$ |
| ME4 4 | 355319 | 2005 | Above Normal | January | - | $22,431.7$ 14 | 22,427.1 140150 | 4.6 35 | 0.0\% | $22,425.9$ 14,0139 | 5.8 4.6 | 0.0\% | $22,425.9$ 14,0139 | 5.8 4.6 | 0.0\% $0.0 \%$ 0 | $22,424.8$ 14.012 .7 | 6.9 5.8 | 0.0\% $0.0 \%$ 0 | $22,424.8$ 14.012 .7 | 6.9 5.8 | 0.0\% $0.0 \%$ | $22,424.8$ $14,012.7$ | 6.9 5.8 | $0.0 \%$ $0.0 \%$ 0 |
| ME <br> ME 4 | 355319 | 2005 2005 | Above Normal Above Normal | February |  | 14,018.5 | 14,015.0 | 3.5 | 0.0\% | 14,013.9 | 4.6 | 0.0\% | $14,013.9$ 28,972 | 4.6 58 | 0.0\% | $14,012.7$ 28,5972 | 5.8 58 5 | 0.0\% | 14,012.7 | ${ }_{5}^{5.8}$ | 0.0\% | 14,012.7 | ${ }_{5}^{5.8}$ | 0.0\% |
| ME4 4 | 355319 | 2005 | Above Normal | April | - | 21,468.8 | 21,464.1 | 4.6 | 0.0\% | 21,464.1 | 4.6 | 0.0\% | 21,463.0 | 5.8 | 0.0\% | ${ }_{21,463.0}$ | ${ }_{5}^{5.8}$ | 0.0\% | 21,463.0 | 5.8 | 0.0\% | 21,461.8 | 6.9 | 0.0\% |
| ME4 | 355319 | 2005 | Above Normal | May | - | 19,598.4 | 19,589.1 | 9.3 | 0.0\% | 19,588.0 | 10.4 | 0.1\% | 19,586.8 | 11.6 | 0.1\% | 19,586.8 | 11.6 | 0.1\% | 19,585.6 | 12.7 | 0.1\% | 19,584.5 | 13.9 | 0.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  |  |  | $\begin{aligned} & \text { Flow } \\ & \text { Without } \\ & \text { Pumping } \\ & \text { (cfs) } \end{aligned}$ | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Month | Note |  | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference |
| me 4 | 355319 | 2005 | Above Normal | June | - | 15,905.1 | 15,891.2 | 13.9 | 0.1\% | 15,890.0 | 15.0 | 0.1\% | 15,888.9 | 16.2 | 0.1\% | 15,887.7 | 17.4 | 0.1\% | 15,886.6 | 18.5 | 0.1\% | 15,885.4 | 19.7 | 0.1\% |
| me 4 | 355319 | 2005 | Above Normal | July | - | 2,863.9 | 2,851.7 | 12.2 | 0.4\% | 2,850.5 | 13.4 | 0.5\% | 2,849.3 | 14.6 | 0.5\% | 2,848.0 | 15.9 | 0.6\% | 2,846.9 | 17.0 | 0.6\% | 2,845.6 | 18.3 | 0.6\% |
| ME4 | 355319 | 2005 | Above Normal | August | -- | 983.9 | 972.8 | 11.0 | 1.1\% | 971.7 | 12.1 | 1.2\% | 970.6 | 13.2 | 1.3\% | 969.5 | 14.3 | 1.5\% | 968.4 | 15.4 | 1.6\% | 967.3 | 16.5 | 1.7\% |
| ME 4 | 355319 | 2005 | Above Normal | September | Used in Summary Table Analysis | 525.3 | 515.6 | 9.7 | 1.8\% | 514.6 | 10.7 | 2.0\% | 513.6 | 11.7 | 2.2\% | 512.7 | 12.6 | 2.4\% | 511.7 | 13.6 | 2.6\% | 510.7 | 14.6 | 2.8\% |
| ME4 | 355319 | 2006 | Wet | October | Used in Summary Table Analysis | 635.2 | 627.4 | 7.8 | 1.2\% | 626.6 | 8.6 | 1.4\% | 625.8 | 9.4 | 1.5\% | 625.0 | 10.2 | 1.6\% | 624.2 | 11.0 | 1.7\% | 623.5 | 11.8 | 1.9\% |
| me 4 | 355319 | 2006 | Wet | November | Used in Summary Table Analysis | 9,332.6 | 9,326.4 | 6.3 | 0.1\% | 9,325.8 | 6.8 | 0.1\% | 9,325.2 | 7.4 | 0.1\% | 9,324.5 | 8.1 | 0.1\% | 9,324.0 | 8.7 | 0.1\% | 9,323.4 | 9.3 | 0.1\% |
| ME 4 | 355319 | 2006 | Wet | December | - | 43,589.1 | 43,583.3 | 5.8 | 0.0\% | 43,583.3 | 5.8 | 0.0\% | 43,582.2 | 6.9 | 0.0\% | 43,582.2 | 6.9 | 0.0\% | 43,581.0 | 8.1 | 0.0\% | 43,581.0 | 8.1 | 0.0\% |
| me 4 | 355319 | 2006 | Wet | January | -- | 46,380.8 | 46,376.2 | 4.6 | 0.0\% | 46,375.0 | 5.8 | 0.0\% | 46,375.0 | 5.8 | 0.0\% | 46,373.8 | 6.9 | 0.0\% | 46,373.8 | 6.9 | 0.0\% | 46,372.7 | 8.1 | 0.0\% |
| ME 4 | 355319 | 2006 | Wet | February | -- | 26,653.9 | 26,649.3 | 4.6 | 0.0\% | 26,649.3 | 4.6 | 0.0\% | 26,648.1 | 5.8 | 0.0\% | 26,648.1 | 5.8 | 0.0\% | 26,648.1 | 5.8 | 0.0\% | 26,647.0 | 6.9 | 0.0\% |
| ME 4 | 355319 | 2006 | Wet | March | -- | 47,223.4 | 47,219.9 | 3.5 | 0.0\% | 47,218.8 | 4.6 | 0.0\% | 47,218.8 | 4.6 | 0.0\% | 47,217.6 | 5.8 | 0.0\% | 47,217.6 | 5.8 | 0.0\% | 47,217.6 | 5.8 | 0.0\% |
| me 4 | 355319 | 2006 | wet | April | - | 30,453.7 | 30,450.2 | 3.5 | 0.0\% | 30,499.1 | 4.6 | 0.0\% | 30,449.1 | 4.6 | 0.0\% | 30,499.1 | 4.6 | 0.0\% | 30,477.9 | 5.8 | 0.0\% | 30,447.9 | 5.8 | 0.0\% |
| me 4 | 355319 | 2006 | wet | May | - | 14,222.2 | 14,216.4 | 5.8 | 0.0\% | 14,216.4 | 5.8 | 0.0\% | 14,215.3 | 6.9 | 0.0\% | 14,215.3 | 6.9 | 0.0\% | 14,214.1 | 8.1 | 0.1\% | 14,214.1 | 8.1 | 0.1\% |
| ME 4 | 355319 | 2006 | Wet | June | - | 3,548.6 | 3,537.6 | 11.0 | 0.3\% | 3,536.6 | 12.0 | 0.3\% | 3,535.5 | 13.1 | 0.4\% | 3,534.4 | 14.2 | 0.4\% | 3,533.3 | 15.3 | 0.4\% | 3,532.2 | 16.4 | 0.5\% |
| ME 4 | 355319 | 2006 | Wet | July | - | 1,280.4 | 1,268.9 | 11.6 | 0.9\% | 1,267.7 | 12.7 | 1.0\% | 1,266.6 | 13.9 | 1.1\% | 1,265.4 | 15.0 | 1.2\% | 1,264.2 | 16.2 | 1.3\% | 1,263.1 | 17.4 | 1.4\% |
| me 4 | 355319 | 2006 | Wet | August | -- | 666.4 | 655.2 | 11.2 | 1.7\% | 654.1 | 12.4 | 1.9\% | 65.9 | 13.5 | 2.0\% | 651.7 | 14.7 | 2.2\% | 650.6 | 15.8 | 2.4\% | 649.5 | 16.9 | 2.5\% |
| me 4 | 355319 | 2006 | Wet | September | Used in Summary Table Analysis | 427.1 | 417.3 | 9.8 | 2.3\% | 416.3 | 10.8 | 2.5\% | 415.3 | 11.8 | 2.8\% | 414.3 | 12.8 | 3.0\% | 413.3 | 13.8 | 3.2\% | 412.3 | 14.8 | 3.5\% |
| me 4 | 355319 | 2007 | Above Normal | October | Used in Summary Table Analysis | 275.0 | 267.0 | 8.0 | 2.9\% | 266.2 | 8.8 | 3.2\% | 265.4 | 9.6 | 3.5\% | 264.6 | 10.4 | 3.8\% | 263.8 | 11.2 | 4.1\% | 263.0 | 12.0 | 4.4\% |
| ME 4 | 355319 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,689.9 | $8,683.6$ | 6.4 | 0.1\% | $8,682.9$ | 7.1 | 0.1\% | 8,682.3 | 7.6 | 0.1\% | 8,681.6 | 8.3 | 0.1\% | $8,681.0$ | 8.9 | 0.1\% | 8,680.3 | 9.6 | 0.1\% |
| me4 | 355319 | 2007 | Above Normal | December |  | 20,459.5 | 20,453.7 | 5.8 | 0.0\% | 20,453.7 | 5.8 | 0.0\% | 20,452.5 | 6.9 | 0.0\% | 20,452.5 | 6.9 | 0.0\% | 20,451.4 | 8.1 | 0.0\% | 20,451.4 | 8.1 | 0.0\% |
| ME4 | 355319 | 2007 | Above Normal | January | -- | 10,264.0 | 10,259.0 | 5.0 | 0.0\% | 10,258.6 | 5.4 | 0.1\% | 10,258.1 | 5.9 | 0.1\% | 10,257.5 | 6.5 | 0.1\% | 10,257.1 | 6.9 | 0.1\% | 10,256.5 | 7.5 | 0.1\% |
| ME 4 | 355319 | 2007 | Above Normal | February | -- | 30,627.3 | 30,622.7 | 4.6 | 0.0\% | 30,621.5 | 5.8 | 0.0\% | 30,621.5 | 5.8 | 0.0\% | 30,620.4 | 6.9 | 0.0\% | 30,620.4 | 6.9 | 0.0\% | 30,620.4 | 6.9 | 0.0\% |
| me 4 | 355319 | 2007 | Above Normal | March | -- | 13,111.1 | 13,106.5 | 4.6 | 0.0\% | 13,106.5 | 4.6 | 0.0\% | 13,105.3 | 5.8 | 0.0\% | 13,105.3 | 5.8 | 0.0\% | 13,104.2 | 6.9 | 0.1\% | 13,104.2 | 6.9 | 0.1\% |
| ME 4 | 355319 | 2007 | Above Normal | April | - | 11,542.8 | 11,534.3 | 8.6 | 0.1\% | 11,533.4 | 9.4 | 0.1\% | 11,532.6 | 10.2 | 0.1\% | 11,531.7 | 11.1 | 0.1\% | 11,530.9 | 11.9 | 0.1\% | 11,533.0 | 12.8 | 0.1\% |
| me 4 | 355319 | 2007 | Above Normal | May | - | 4,143.2 | 4,133.0 | 10.2 | 0.2\% | 4,132.1 | 11.1 | 0.3\% | 4,131.0 | 12.2 | 0.3\% | 4,133.0 | 13.2 | 0.3\% | 4,128.9 | 14.2 | 0.3\% | 4,128.0 | 15.2 | 0.4\% |
| me 4 | 355319 | 2007 | Above Normal | June | - | 1,500.6 | 1,488.3 | 12.3 | 0.8\% | 1,487.2 | 13.4 | 0.9\% | 1,485.9 | 14.7 | 1.0\% | 1,484.6 | 16.0 | 1.1\% | 1,483.4 | 17.1 | 1.1\% | 1,482.2 | 18.4 | 1.2\% |
| me 4 | 355319 | 2007 | Above Normal | July | - | 496.4 | 484.1 | 12.3 | 2.5\% | 482.8 | 13.6 | 2.7\% | 481.6 | 14.8 | 3.0\% | 480.4 | 16.0 | 3.2\% | 479.1 | 17.2 | 3.5\% | 477.9 | 18.5 | 3.7\% |
| me4 | 355319 | 2007 | Above Normal | August | -- | 223.6 | 212.4 | 11.1 | 5.0\% | 211.3 | 12.2 | 5.5\% | 210.2 | 13.3 | 6.0\% | 209.1 | 14.4 | 6.5\% | 208.0 | 15.5 | 6.9\% | 206.9 | 16.6 | 7.4\% |
| me 4 | 355319 | 2007 | Above Normal | September | Used in Summary Table Analysis | 151.2 | 140.7 | 10.5 | 6.9\% | 139.6 | 11.5 | 7.6\% | 138.6 | 12.6 | 8.3\% | 137.5 | 13.6 | 9.0\% | 136.5 | 14.7 | 9.7\% | 135.4 | 15.7 | 10.4\% |
| me 4 | 355319 | 2008 | Dry | October | Used in Summary Table Analysis | 3,441.6 | 3,433.1 | 8.4 | 0.2\% | 3,432.2 | 9.4 | 0.3\% | 3,431.4 | 10.2 | 0.3\% | 3,430.4 | 11.1 | 0.3\% | 3,429.6 | 11.9 | 0.3\% | 3,428.8 | 12.7 | 0.4\% |
| ME4 | 355319 | 2008 | Dry | November | Used in Summary Table Analysis | 3,282.4 | 3,275.9 | ${ }^{6.5}$ | 0.2\% | 3,275.2 | 7.2 | 0.2\% | 3,274.5 | 7.9 | 0.2\% | 3,273.8 | 8.6 | 0.3\% | 3,273.3 | 9.1 | 0.3\% | ${ }_{3}^{3,272.6}$ | ${ }^{9.8}$ | ${ }^{0.3 \%}$ |
| me4 | 355319 | 2008 | Dry | December |  | 23,191.0 | 23,185.2 | 5.8 | 0.0\% | 23,184.0 | 6.9 | 0.0\% | 23,184.0 | 6.9 | 0.0\% | 23,182,9 | 8.1 | 0.0\% | 23,182.9 | 8.1 | 0.0\% | 23,181.7 | 9.3 | 0.0\% |
| me4 | 355319 | 2008 | Dry | January | -- | 37,593.8 | 37,588.0 | 5.8 | 0.0\% | 37,586.8 | 6.9 | 0.0\% | 37,586.8 | 6.9 | 0.0\% | 37,585,6 | 8.1 | 0.0\% | 37,585.6 | 8.1 | 0.0\% | 37,584,5 | 9.3 | 0.0\% |
| ME 4 | 355319 | 2008 | Dry | February | -- | 26,285.9 | 26,281.3 | 4.6 | 0.0\% | 26,280.1 | 5.8 | 0.0\% | 26,280.1 | 5.8 | 0.0\% | 26,280, 1 | 5.8 | 0.0\% | 26,278.9 | 6.9 | 0.0\% | 26,278.9 | 6.9 | 0.0\% |
| me 4 | 355319 | 2008 | Dry | March | -- | 11,800.9 | 11,796.3 | 4.6 | 0.0\% | 11,796.3 | 4.6 | 0.0\% | 11,796.3 | 4.6 | 0.0\% | 11,795.1 | 5.8 | 0.0\% | 11,795.1 | 5.8 | 0.0\% | 11,795.1 | 5.8 | 0.0\% |
| ME4 4 | 355319 | 2008 | Dry | April | - | 9,021.6 | $9,013.0$ | 8.7 | 0.1\% | 9,012.0 | 9.6 | 0.1\% | 9,011.2 | 10.4 | 0.1\% | 9,010.3 | 11.3 | 0.1\% | 9,009.5 | 12.2 | 0.1\% | 9,008.6 | 13.1 | 0.1\% |
| ME4 4 | 355319 | 2008 | Dry | May | - | 1,358.7 | 1,349.3 | 9.4 | 0.7\% | 1,348.4 | 10.3 | 0.8\% | 1,347.5 | 11.2 | 0.8\% | 1,346.5 | 12.2 | 0.9\% | 1,345.6 | 13.1 | 1.0\% | 1,344.7 | 14.0 | 1.0\% |
| ME 4 | 355319 355319 | 2008 | Dry | June | - | 438.3 <br> 25.3 <br> 18.7 | 424.9 24.3 | 13.4 | ${ }_{\text {3. }}^{3.1 \%}$ | 423.6 | 14.7 | $3.4 \%$ $5.6 \%$ | 422.2 20.5 | 16.1 | ${ }^{3.7 \%}$ | 420.9 | 17.4 | 4.0\% | ${ }^{419.6}$ | 18.7 18.4 | 4.3\% | 418.3 | 20.0 | 4.6\% |
| ME 4 | 355319 | 2008 | Dry | July | - | 256.3 | 243.1 | 13.2 | 5.1\% | 241.8 | 14.5 | 5.6\% | 240.5 | 15.8 | 6.2\% | 239.2 | 17.1 | 6.7\% | 237.9 | 18.4 | 7.2\% | 236.6 | 19.7 | 7.7\% |
| me 4 | 355319 | 2008 | Dry | August | -- | 179.7 | 166.9 | 12.8 | 7.1\% | 165.7 | 14.0 | 7.8\% | 164.4 | 15.3 | 8.5\% | 163.1 | 16.6 | 9.2\% | 161.9 | 17.9 | 9.9\% | 160.6 | 19.1 | 10.6\% |
| ME4 | 355319 | 2008 | Dry | September | Used in Summary Table Analysis | 141.3 | 129.1 | 12.2 | 8.7\% | 127.8 | 13.5 | 9.5\% | 126.6 | 14.7 | 10.4\% | 125.4 | 15.9 | 11.3\% | 124.2 | 17.1 13.5 | 12.1\% | 123.0 9105 | 18.4 | ${ }^{13.0 \%}$ |
| ME4 4 | 355319 | 2009 | Critical | October | Used in Summary Table Analysis | 924.9 | 915.3 | 9.6 | 1.0\% | 914.4 | 10.6 | 1.1\% | 913.4 | 11.5 | 1.2\% | 912.4 | 12.5 | 1.4\% | 911.5 | 13.5 | 1.5\% | 910.5 | 14.4 | 1.6\% |
| ME4 4 | 355319 | 2009 | Critical | November | Used in Summary Table Analysis | 5,526.6 | 5,519.2 | 7.4 | 0.1\% | $5,518.5$ 1212, | 8.1 | 0.1\% | ${ }^{5,517.7}$ | 8.9 | ${ }^{0.2 \%}$ | 5,517.0 | 9.6 8.1 | ${ }^{0.2 \%}$ | 5,516.2 | 10.4 9.3 | $0.2 \%$ $0.1 \%$ | 5.515 .5 12189.8 | 11.1 9.3 | 0.2\% $0.1 \%$ |
| me 4 | 355319 | 2009 | Critical | December |  | 12,199.1 | 12,192.1 | 6.9 | 0.1\% | 12,192.1 | 6.9 | 0.1\% | 12,191.0 | 8.1 | 0.1\% | 12,191.0 | 8.1 | 0.1\% | 12,189.8 | 9.3 | 0.1\% | 12,189.8 | 9.3 | 0.1\% |
| ME 4 | 355319 | 2009 | Critical | January | -- | 8,805.6 | 8,799.8 | 5.8 | 0.1\% | 8,799.2 | 6.4 | 0.1\% | 8,798.6 | 6.9 | 0.1\% | 8,798.0 | 7.5 | 0.1\% | 8,797.5 | 8.1 | 0.1\% | 8,796.9 | 8.7 | 0.1\% |
| ME 4 | 355319 | 2009 | Critical | February | -- | 22,642.4 | 22,637.7 | 4.6 | 0.0\% | 22,636.6 | 5.8 | 0.0\% | 22,636.6 | 5.8 | 0.0\% | ${ }^{22,636.6}$ | 5.8 | 0.0\% | 22,635.4 | 6.9 58 | 0.0\% | $22,635.4$ 211354 | ${ }_{6}^{6.9}$ | 0.0\% |
| ME 4 | 355319 | 2009 | Critical | March | -- | 21,142.4 | 21,137.7 | 4.6 | 0.0\% | 21,137.7 | 4.6 | 0.0\% | 21,136.6 | 5.8 | 0.0\% | 21,136.6 | 5.8 | 0.0\% | 21,136.6 | 5.8 | 0.0\% | 21,135.4 | 6.9 | 0.0\% |
| ME4 4 | $\begin{array}{r}35539 \\ \hline 5519\end{array}$ | 2009 | Critical | April | - | $10,099.0$ 15938 15 | $10,089.9$ <br> 15,583 | 9.0 <br> 104 <br> 10. | ${ }^{0.1 \%}$ | $10,089.0$ <br> 15882 | 10.0 | ${ }^{0.1 \%}$ | $10,088.1$ 15,5810 | 10.9 | ${ }^{0.1 \%}$ | 10,087.3 | 11.7 | 0.1\% $0.1 \%$ | $10,086.3$ $15,578.7$ | 12.6 15.0 | 0.1\% $0.1 \%$ | $10,085.4$ 15.577 .5 | 13.5 16.2 | 0.1\% |
| ME 4 ME 4 | 355319 355319 | 2009 209 | Critical Critical | May June | $\cdots$ | ${ }_{\substack{15,593.8 \\ 3,161.2}}$ | $15,583.3$ $3,147.1$ | 10.4 14.1 | 0.1\% | $\underset{\substack{15,582.2 \\ 3,145.7}}{1,2}$ | 11.6 15.5 | 0.1\% | $15,581.0$ $3,144.3$ 1 | 12.7 16.9 | 0.1\% | 15.579 .9 $3,142.8$ 1 | 13.9 18.4 | 0.1\% | $15,578.7$ $3,141.4$ 1.12 .4 | 15.0 <br> 19.8 <br> 1.8 | 0.1\% $0.6 \%$ | $15,577.5$ $3,140.0$ 1, | 16.2 21.2 | 0.1\% |
| me 4 | 355319 | 2009 | Critical | July | -- | 1,263.5 | 1,250.1 | 13.4 | 1.1\% | 1,248.8 | 14.7 | 1.2\% | 1,247.5 | 16.1 | 1.3\% | 1,246.1 | 17.5 | 1.4\% | 1,244.8 | 18.8 | 1.5\% | 1,243.5 | 20.0 | 1.6\% |
| me 4 | 355319 | 2009 | Critical | August | -- | 669.4 | 656.5 | 12.9 | 1.9\% | 655.2 | 14.2 | 2.1\% | 653.9 | 15.4 | 2.3\% | 652.6 | 16.8 | 2.5\% | 651.4 | 18.0 | 2.7\% | 650.1 | 19.3 | 2.9\% |
| me 4 | 355319 | 2009 | Critical | September | Used in Summary Table Analysis | 390.4 | 378.9 | 11.5 | 2.9\% | 377.8 | 12.6 | 3.2\% | 376.6 | 13.8 | 3.5\% | 375.5 | 14.9 | 3.8\% | 374.4 | 16.0 | 4.1\% | 373.2 | 17.2 | 4.4\% |
| me 4 | 355319 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,089.8 | 6,080.0 | 9.8 | 0.2\% | 6,079.1 | 10.8 | 0.2\% | 6,078.0 | 11.8 | 0.2\% | 6,077.1 | 12.7 | 0.2\% | 6,076.2 | 13.7 | 0.2\% | 6,075.1 | 14.7 | ${ }^{0.2 \%}$ |
| me 4 | 355319 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,300.7 | 8,293.1 | 7.6 | 0.1\% | 8,292.2 | 8.4 | 0.1\% | 8,291.4 | 9.3 | 0.1\% | 8,290.7 | 10.0 | 0.1\% | 8,289.9 | 10.8 | 0.1\% | 8,289.1 | 11.6 | 0.1\% |
| ME4 | 355319 | 2010 | Below Normal | December |  | 12,378.5 | 12,371.5 | 6.9 | 0.1\% | 12,370.4 | 8.1 | 0.1\% | $12,370.4$ S6,309 | 8.1 | 0.1\% |  | 9.3 | ${ }^{0.1 \%}$ | $12,369.2$ 36307 | 9.3 81 | 0.1\% | $12,368.1$ <br> 363067 | 10.4 | 0.1\% |
| ME 4 | 355319 | 2010 | Below Normal | January | -- | 36,316.0 | 36,310.2 | 5.8 | 0.0\% | 36,309.0 | 6.9 | 0.0\% | 36,399.0 | 6.9 | 0.0\% | 36,307.9 | 8.1 | 0.0\% | 36,307.9 | 8.1 | 0.0\% | 36,306.7 | 9.3 | 0.0\% |
| ME 4 | 355319 | 2010 | Below Normal | February | -- | 27,268.5 | 27,262.7 | 5.8 | 0.0\% | 27,262.7 | 5.8 | 0.0\% | 27,261.6 | ${ }^{6.9}$ | 0.0\% | 27,261.6 | ${ }^{6} 9$ | 0.0\% | 27,260.4 | 8.1 | 0.0\% | 27,260.4 | 8.1 |  |
| ME 4 ME 4 | 355319 355319 | 2010 2010 | Below Normal Below Normal | ${ }_{\text {March }}^{\substack{\text { April }}}$ | $\cdots$ | 28,856.5 $40,052.1$ | $28,851.9$ $40,047.5$ | 4.6 4.6 | 0.0\% 0.0\% | $28,851.9$ $40,046.3$ | 4.6 5.8 | 0.0\% | $28,850.7$ $40,046.3$ | 5.8 5.8 | 0.0\% $0.0 \%$ | 28,850.7 $40,045.1$ | 5.8 6.9 | 0.0\% | $28,849.5$ $40,045.1$ | 6.9 6.9 | 0.0\% $0.0 \%$ | $28,849.5$ $40,044.0$ | 6.9 8.1 | 0.0\% 0.0\% |
| me 4 | 355319 | 2010 | Below Normal | May | - | 20,298.6 | 20,289.4 | 9.3 | 0.0\% | 20,288.2 | 10.4 | 0.1\% | 20,288.2 | 10.4 | 0.1\% | 20,287.0 | 11.6 | 0.1\% | 20,285.9 | 12.7 | 0.1\% | 20,284,7 | 13.9 | 0.1\% |
| ME 4 | 355319 | 2010 | Below Normal | June | - | 9,373.8 | 9,360.3 | 13.5 | 0.1\% | 9,358.9 | 14.9 | 0.2\% | 9,357.5 | 16.3 | 0.2\% | 9,356.3 | 17.6 | 0.2\% | 9,354.9 | 19.0 | 0.2\% | 9,353.5 | 20.4 | 0.2\% |
| me 4 | 355319 | 2010 | Below Normal | July | - | 1,455.4 | 1,443.1 | 12.4 | 0.9\% | 1,441.8 | ${ }^{13.7}$ | 0.9\% | 1,440.6 | 14.8 | 1.0\% | 1,439.4 | 16.1 | 1.1\% | 1,438.1 | 17.4 | 1.2\% | 1,436.9 | 18.5 | 1.3\% |
| ME 4 | 355319 | 2010 | Below Normal | August | redinsumay Tabe Andys | 569.9 | 558.5 | 11.4 | 2.0\% | 557.4 | 12.5 | 2.2\% | 556.3 | 13.7 | 2.4\% | 555.1 | 14.8 | 2.6\% | 554.1 | 15.8 | 2.8\% | 552.9 | 17.0 | 3.0\% |
| ME4 | 355319 | 2010 | Below Normal | September | Used in Summary Table Analysis | 652.0 | 641.3 | 10.7 | 1.6\% | 640.2 | 11.8 | 1.8\% | 639.1 | 12.9 | 2.0\% | 638.1 | 14.0 | 2.1\% | 637.0 | 15.0 | 2.3\% | 635.9 | 16.1 | 2.5\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  |  |  |  |  |  | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) | Water Year | Water Year Type | Month | Note | $\begin{aligned} & \text { Without } \\ & \text { Pumping } \end{aligned}$ (cfs) | Flow (cfs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference |
| me 4 | 355319 | 2011 | Wet | October | Used in Summary Table Analysis | 9,652.2 | 9,644.1 | 8.1 | 0.1\% | 9,643.3 | 8.9 | 0.1\% | 9,642.5 | 9.7 | 0.1\% | 9,641.7 | 10.5 | 0.1\% | 9,640.9 | 11.3 | 0.1\% | 9,640.0 | 12.2 | 0.1\% |
| me 4 | 355319 | 2011 | Wet | November | Used in Summary Table Analysis | 14,241.9 | 14,235.0 | 6.9 | 0.0\% | 14,235.0 | 6.9 | 0.0\% | 14,233.8 | 8.1 | 0.1\% | 14,233.8 | 8.1 | 0.1\% | 14,232.6 | 9.3 | 0.1\% | 14,232.6 | 9.3 | 0.1\% |
| ME4 | 355319 | 2011 | Wet | December |  | 33,794.0 | 33,788.2 | 5.8 | 0.0\% | 33,788.2 | 5.8 | 0.0\% | 33,787.0 | 6.9 | 0.0\% | 33,787.0 | 6.9 | 0.0\% | 33,785.9 | 8.1 | 0.0\% | 33,785.9 | 8.1 | 0.0\% |
| ME 4 | 355319 | 2011 | Wet | January |  | 14,173.6 | 14,169.0 | 4.6 | 0.0\% | 14,167.8 | 5.8 | 0.0\% | 14,167.8 | 5.8 | 0.0\% | 14,166.7 | 6.9 | 0.0\% | 14,166.7 | 6.9 | 0.0\% | 14,165.5 | 8.1 | 0.1\% |
| ME4 | 355319 | 2011 | Wet | February | - | 20,784.7 | 20,780.1 | 4.6 | 0.0\% | 20,78.9 | 5.8 | 0.0\% | 20,778.9 | 5.8 | 0.0\% | 20,777.8 | 6.9 | 0.0\% | 20,777.8 | 6.9 | 0.0\% | 20,777.8 | 6.9 | 0.0\% |
| me 4 | 355319 | 2011 | wet | March | - | 52,067.1 | 52,062.5 | 4.6 | 0.0\% | 52,062.5 | 4.6 | 0.0\% | 52,061.3 | 5.8 | 0.0\% | 52,061.3 | 5.8 | 0.0\% | 52,061.3 | 5.8 | 0.0\% | 52,060.2 | 6.9 | 0.0\% |
| ME 4 | 355319 | 2011 | Wet | April | - | 24,821.8 | 24,817.1 | 4.6 | 0.0\% | 24,816.0 | 5.8 | 0.0\% | 24,816.0 | 5.8 | 0.0\% | 24,816.0 | 5.8 | 0.0\% | 24,814.8 | 6.9 | 0.0\% | 24,814.8 | 6.9 | 0.0\% |
| me 4 | 355319 | 2011 | Wet | May | - | 11,392.6 | 11,383.9 | 8.7 | 0.1\% | 11,383.0 | 9.6 | 0.1\% | 11,382.1 | 10.5 | 0.1\% | 11,381.1 | 11.5 | 0.1\% | 11,380.2 | 12.4 | 0.1\% | 11,379.4 | 13.2 | 0.1\% |
| ME 4 | 355319 | 2011 | Wet | June | - | 7,066.1 | 7,052.9 | 13.2 | 0.2\% | 7,051.5 | 14.6 | 0.2\% | 7,050.2 | 15.9 | 0.2\% | 7,049.0 | 17.1 | 0.2\% | 7,047.6 | 18.5 | 0.3\% | 7,046.3 | 19.8 | 0.3\% |
| ME 4 | 355319 | 2011 | Wet | July | - | 1,888.9 | 1,815.9 | 13.1 | 0.7\% | 1,814.5 | 14.5 | 0.8\% | 1,813.2 | 15.7 | 0.9\% | 1,811.9 | 17.0 | 0.9\% | 1,810.5 | 18.4 | 1.0\% | 1,809.3 | 19.7 | 1.1\% |
| me 4 | 355319 | 2011 | Wet | August | -- | 777.5 | 766.4 | 11.2 | 1.4\% | 765.2 | 12.3 | 1.6\% | 764.1 | 13.4 | 1.7\% | 763.0 | 14.5 | 1.9\% | 761.9 | 15.7 | 2.0\% | 760.8 | 16.8 | 2.2\% |
| me 4 | 355319 | 2011 | Wet | September | Used in Summary Table Analysis | 434.1 | 423.9 | 10.2 | 2.3\% | 422.9 | 11.2 | 2.6\% | 421.9 | 12.2 | 2.8\% | 420.9 | 13.2 | 3.0\% | 419.8 | 14.2 | 3.3\% | 418.8 | 15.2 | 3.5\% |
| ME4 | 355319 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,550.8 | 4,542.5 | 8.3 | 0.2\% | 4,541.7 | 9.1 | 0.2\% | 4,540.9 | 10.0 | 0.2\% | 4,540.0 | 10.8 | 0.2\% | 4,539.2 | 11.6 | 0.3\% | 4,538.4 | 12.4 | 0.3\% |
| me 4 | 355319 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,258.2 | 8,251.6 | 6.6 | 0.1\% | 8,250.9 | 7.3 | 0.1\% | 8,250.3 | 7.9 | 0.1\% | 8,249.7 | 8.6 | 0.1\% | 8,249.0 | 9.3 | 0.1\% | 8,248.3 | 10.0 | 0.1\% |
| me 4 | 355319 | 2012 | Below Normal | December |  | 5,191.9 | 5,186.2 | 5.7 | 0.1\% | 5,185.6 | 6.3 | 0.1\% | 5,185.1 | 6.8 | 0.1\% | 5,184.5 | 7.4 | 0.1\% | 5,184.0 | 7.9 | 0.2\% | 5,183.4 | 8.4 | 0.2\% |
| ME4 | 355319 | 2012 | Below Normal | January | -- | 20,175.9 | 20,171.3 | 4.6 | 0.0\% | 20,170.1 | 5.8 | 0.0\% | 20,170.1 | 5.8 | 0.0\% | 20,169.0 | 6.9 | 0.0\% | 20,169.0 | 6.9 | 0.0\% | 20,167.8 | 8.1 | 0.0\% |
| me 4 | 355319 | 2012 | Below Normal | February | -- | 18,230.3 | 18,225.7 | 4.6 | 0.0\% | 18,224.5 | 5.8 | 0.0\% | 18,224.5 | 5.8 | 0.0\% | 18,223.4 | 6.9 | 0.0\% | 18,223.4 | 6.9 | 0.0\% | 18,223.4 | 6.9 | 0.0\% |
| ME 4 | 355319 | 2012 | Below Normal | March | - | 45,496.5 | 45,491.9 | 4.6 | 0.0\% | 45,491.9 | 4.6 | 0.0\% | 45,490.7 | 5.8 | 0.0\% | 45,490.7 | 5.8 | 0.0\% | 45,490.7 | 5.8 | 0.0\% | 45,489.6 | 6.9 | 0.0\% |
| me4 | 355319 | 2012 | Below Normal | April | - | 26,885.4 | 26,880.8 | 4.6 | 0.0\% | 26,880.8 | 4.6 | 0.0\% | 26,879.6 | 5.8 | 0.0\% | 26,879.6 | 5.8 | 0.0\% | 26,879.6 | 5.8 | 0.0\% | 26,878.5 | 6.9 | 0.0\% |
| ME4 | 355319 | 2012 | Below Normal | May | - | 7,488.9 | 7,480.1 | 8.8 | 0.1\% | 7,479.2 | 9.7 | 0.1\% | 7,478.4 | 10.5 | 0.1\% | 7,477.4 | 11.5 | 0.2\% | 7,476.6 | 12.3 | 0.2\% | 7,475.8 | 13.1 | 0.2\% |
| me 4 | 355319 | 2012 | Below Normal | June | - | 5,525.1 | 5,511.6 | 13.5 | 0.2\% | 5,510.3 | 14.8 | 0.3\% | 5,508.9 | 16.2 | 0.3\% | 5,507.5 | 17.6 | 0.3\% | 5,506.3 | 18.9 | 0.3\% | 5,504.9 | 20.3 | 0.4\% |
| me 4 | 355319 | 2012 | Below Normal | July | - | 2,229.3 | 2,216.7 | 12.6 | 0.6\% | 2,215.4 | 13.9 | 0.6\% | 2,214.1 | 15.2 | 0.7\% | 2,212.8 | 16.4 | 0.7\% | 2,211.6 | 17.7 | 0.8\% | 2,210.3 | 19.0 | 0.9\% |
| ME 4 | 355319 | 2012 | Below Normal | August | - | 388.8 | 378.4 | 10.3 | 2.7\% | 377.4 | 11.3 | 2.9\% | 376.4 | 12.3 | 3.2\% | 375.4 | 13.4 | 3.4\% | 374.4 | 14.4 | 3.7\% | 373.4 | 15.4 | 4.0\% |
| me 4 | 355319 | 2012 | Below Normal | September | Used in Summary Table Analysis | 249.6 | 240.5 | 9.1 | 3.7\% | 239.6 | 10.0 | 4.0\% | 238.7 | 11.0 | 4.4\% | 237.7 | 11.9 | 4.8\% | 236.8 | 12.8 | 5.1\% | 235.9 | 13.7 | 5.5\% |
| ME 4 | 355319 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,917.7 | 1,909.7 | 8.0 | 0.4\% | 1,909.0 | 8.7 | 0.5\% | 1,908.2 | 9.5 | 0.5\% | 1,907.4 | 10.3 | 0.5\% | 1,906.6 | 11.1 | 0.6\% | 1,905.8 | 11.9 | 0.6\% |
| ME 4 | 355319 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,723.4 | 14,717.6 | 5.8 | 0.0\% | 14,716.4 | 6.9 | 0.0\% | 14,716.4 | 6.9 | 0.0\% | 14,715.3 | 8.1 | 0.1\% | 14,714.1 | 9.3 | 0.1\% | 14,714.1 | 9.3 | 0.1\% |
| me4 | 355319 | 2013 | Below Normal | December |  | 60,077.5 | 60,071.8 | 5.8 | 0.0\% | 60,071.8 | 5.8 | 0.0\% | 60,070.6 | 6.9 | 0.0\% | 60,070.6 | 6.9 | 0.0\% | 60,069.4 | 8.1 | 0.0\% | 60,069.4 | 8.1 | 0.0\% |
| ME4 | 355319 | 2013 | Below Normal | January | - | 22,226.9 | 22,221.1 | 5.8 | 0.0\% | 22,221.1 | 5.8 | 0.0\% | 22,221.1 | 5.8 | 0.0\% | 22,219.9 | 6.9 | 0.0\% | 22,299.9 | 6.9 | 0.0\% | 22,218.8 | 8.1 | 0.0\% |
| me 4 | 355319 | 2013 | Below Normal | February | - | 8,856.9 | 8,852.3 | 4.6 | 0.1\% | 8,851.9 | 5.1 | 0.1\% | 8,851.4 | 5.6 | 0.1\% | 8,850.9 | 6.0 | 0.1\% | 8,850.5 | 6.5 | 0.1\% | 8,850.0 | 6.9 | 0.1\% |
| ME4 | 355319 | 2013 | Below Normal | March | - | 10,347.5 | 10,343.1 | 4.4 | 0.0\% | 10,342.6 | 4.9 | 0.0\% | 10,342.1 | 5.3 | 0.1\% | 10,341.7 | 5.8 | ${ }^{0.1 \%}$ | 10,341.3 | 6.1 | ${ }^{0.1 \%}$ | 10,300.9 | ${ }^{6.6}$ | ${ }^{0.1 \%}$ |
| ME4 | 355319 | 2013 | Below Normal | April | - | 8,295.6 | 8,287.3 | ${ }^{8.3}$ | 0.1\% | 8,286.3 | 9.3 | 0.1\% | 8,285.5 | 10.1 | 0.1\% | 8,284.7 | 10.9 | 0.1\% | 8,283.9 | 11.7 | 0.1\% | 8,283.0 | 12.6 | 0.2\% |
| ME4 | 355319 355319 | 2013 | Below Normal | May | - | $4,437.2$ 21119 | 4,427.0 | 10.2 | ${ }^{0.2 \%}$ | $\begin{array}{r}4,426.0 \\ \hline 2985\end{array}$ | 11.1 | ${ }^{0.3 \%}$ | 4,425.0 | 12.2 | ${ }^{0.3 \%}$ | $4,424.0$ 2 | 13.2 | 0.3\% | $4,422.9$ 2048 | 14.2 | 0.3\% | $4,422.0$ <br> 2036 | 15.2 | 0.3\% |
| ME 4 | 355319 | 2013 | Below Normal | June | - | 2,111.9 | 2,099.7 | 12.3 | 0.6\% | 2,098.5 | 13.4 | 0.6\% | 2,097.2 | 14.7 | 0.7\% | 2,096.1 | 15.9 | 0.8\% | 2,094.8 | 17.1 | 0.8\% | 2,093.6 | 18.3 | 0.9\% |
| ME 4 | 355319 | 2013 | Below Normal | July | - | 718.3 | 706.5 | 11.8 | 1.6\% | 705.3 | 13.0 | 1.8\% | 704.1 | 14.2 | 2.0\% | 703.0 | 15.4 | 2.1\% | 701.8 | 16.5 | 2.3\% | 700.6 | 17.7 | 2.5\% |
| ME 4 | 35539 35519 | 2013 | Below Normal | August | Used in Sumary Tabe Anlys | ${ }^{340.6}$ | 329.6 | 11.1 | 3.2\% | 328.5 | 12.2 | 3.6\% | 327.3 | 13.3 | 3.9\% | ${ }^{326.3}$ | 14.4 | 4.2\% | 325.1 | 15.5 | 4.5\% | 324.0 | 16.6 | 4.9\% |
| ME 4 | 355319 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,795.7 | 4,784.3 | 11.5 | 0.2\% | 4,783.1 | 12.6 | 0.3\% | 4,781.9 | 13.8 | 0.3\% | 4,780.8 | 14.9 | 0.3\% | 4,779.6 | 16.1 | 0.3\% | 4,778.6 | 17.1 | 0.4\% |
| ME4 4 | 355319 | 2014 | Critical | October | Used in Summary Table Analysis | 280.5 | 272.1 | 8.3 | 3.0\% | 271.3 <br> 153 | 9.2 7 | 3.3\% | 27.5 | 10.0 | ${ }^{3.5 \%}$ | 269.7 | 10.8 | 3.9\% | 268.8 1.533 | 11.7 9.4 | $4.2 \%$ $0.6 \%$ | 268.0 1.5328 | 12.5 10.0 | $4.4 \%$ $0.6 \%$ |
| ME 4 | 355319 | 2014 | Critical | November | Used in Summary Table Analysis | 1,542.7 | 1,536.1 | 6.6 | 0.4\% | 1,535.4 | 7.3 | 0.5\% | 1,534.7 | 8.0 | 0.5\% | 1,534.0 | 8.7 | 0.6\% | 1,533.3 | 9.4 | 0.6\% | 1,532.8 | 10.0 | 0.6\% |
| me 4 | 355319 | 2014 | Critical | December |  | 1,592.1 | 1,586.3 | 5.8 | 0.4\% | 1,585.8 | 6.4 | 0.4\% | 1,585.1 | 7.1 | 0.4\% | 1,584.5 | 7.6 | 0.5\% | 1,583.9 | 8.2 | 0.5\% | 1,583.3 | 8.8 | 0.6\% |
| ME4 | 355319 | 2014 | Critical | January | -- | ${ }^{2,826.3}$ | 2,821.11 | 5.2 | 0.2\% | $2,882.5$ 15,69, | 5.8 | 0.2\% | 2,820.0 15262.7 | ${ }^{6.3}$ | 0.2\% | 2,819.4 | ${ }^{6.8}$ | 0.2\% | 2,819.0 | 7.3 58 | 0.3\% | $2,818.4$ 15761.6 | 7.9 | 0.3\% |
| ME4 4 | 355319 | 2014 | Critical | February |  | 15,768.5 | 15,763.9 | 4.6 | 0.0\% | 15,763.9 | 4.6 | 0.0\% | 15,762.7 | 5.8 | 0.0\% | 15,762.7 | 5.8 | 0.0\% | 15,762.7 | 5.8 | 0.0\% | 15,761.6 | 6.9 | 0.0\% |
| ME4 4 | 355319 | 2014 | Critical | March | - | 31,506.9 | $31,502.3$ 12088 | 4.6 | 0.0\% | ${ }^{31,502.3}$ | 4.6 <br> 104 | 0.0\% | 31,501.2 | 5.8 | 0.0\% | ${ }^{31,501.2}$ | 5.8 | 0.0\% | $31,501.2$ 12985 | 5.8 12.7 | 0.0\% $0.1 \%$ 0.0 | $31,500.0$ 12.983 .8 c, | 6.9 13.9 | 0.0\% $0.1 \%$ |
| ME 4 | 355319 | 2014 | Critical | April | - | 12,997.7 | 12,988.4 | 9.3 | 0.1\% | 12,987.3 | 10.4 | 0.1\% | 12,986.1 | 11.6 | 0.1\% | 12,986.1 | 11.6 | 0.1\% | 12,985.0 | 12.7 | 0.1\% | 12,983.8 | 13.9 | 0.1\% |
| me4 | 355319 | 2014 | Critical | May | - | 5,192.1 | 5,181.5 | 10.6 | 0.2\% | 5,180.4 | 11.7 | 0.2\% | 5,179.3 | 12.8 | 0.2\% | 5,178.2 | 13.9 | 0.3\% | 5,177.2 | 14.9 | 0.3\% | 5,176.0 | 16.1 | 0.3\% |
| ME 4 | 355319 | 2014 | Critical | June | - | 1,199.1 | 1,184.4 | 14.7 | 1.2\% | 1,183.0 | 16.1 | 1.3\% | 1,181.5 | 17.6 | 1.5\% | 1,1880.0 | 19.1 | 1.6\% | 1,178.6 | 20.5 189 | $1.7 \%$ <br> $3.5 \%$ <br> 18 | 1,177.1 | 22.0 | 1.8\% |
| ME 4 | 355319 | 2014 | Critical | July | - | 546.3 | 532.8 | 13.5 | 2.5\% | 531.4 | 14.9 | 2.7\% | 530.1 | 16.2 | 3.0\% | 528.7 | 17.6 | 3.2\% | 527.4 | 18.9 | 3.5\% | 526.1 | 20.2 | $3.7 \%$ $5.5 \%$ |
| ME4 4 | $\begin{array}{r}35539 \\ \hline 5519\end{array}$ | 2014 | Critical | August | Used in Summary Table Analys | $\begin{array}{r}348.5 \\ \hline 25775\end{array}$ | 335.7 <br> 2564 | 12.9 | 3.7\% | 334.4 <br> 2537 | 14.1 | 4.1\% | 333.1 <br> 2524 | 15.4 15.4 | 4.4\% | 331.8 2561.2 | 16.7 | $4.8 \%$ $0.6 \%$ | 330.5 2.560 .0 | 18.0 17.6 | $5.2 \%$ $0.7 \%$ | 329.2 2.558 .7 | 19.3 18.9 | 5.5\% $0.7 \%$ |
| ME 4 | 355319 | 2014 | Critical | September | Used in Summary Table Analysis | 2,577.5 | 2,564.9 | 12.6 | 0.5\% | 2,563.7 | 13.9 | 0.5\% | 2,562.4 | 15.2 | 0.6\% | 2,561.2 | 16.3 | 0.6\% | 2,560.0 | 17.6 | 0.7\% | 2,558.7 | 18.9 | 0.7\% |
| ME 4 | 355319 355319 | 2015 2015 | Dry | October November | Used in Summary Table Analysis | $11,380.4$ <br> 9,0591 <br> 3,56 | ${ }_{\substack{11,370.8 \\ 9,051.7}}^{\text {a, }}$ | 9.6 74 | 0.1\% | 11,369.9 | 10.5 8.2 | 0.1\% | 11,369.0 $9,050.2$ 3,685 | 11.5 8.9 | 0.1\% | 11, $1,367.4$ <br> $9,049.5$ <br> 3,585 | 13.1 9.6 | ${ }^{0.1 \%}$ | ${ }_{\substack{11,366.4 \\ 9,048}}$ | 14.0 10.4 | 0.1\% | 11,365.5 | 14.9 | 0.1\% |
| ME 4 ME4 | 355319 355319 | 2015 2015 | Dry Dry | November | Used in Summary Table Analysis | 9,059.1 $32,695.6$ | ${ }^{9,051.7} \mathbf{3 2 , 6 8 9 . 8}$ | 7.4 5.8 | 0.1\% | 9,050.9 $32,688.7$ | 8.2 6.9 | 0.1\% | $9,050.2$ $32,688.7$ | 8.9 6.9 | 0.1\% | 9,049.5 $32,687.5$ | 9.6 8.1 | 0.1\% | $9,048.7$ $32,687.5$ | 10.4 8.1 | 0.1\% | $9,048.0$ $32,886.3$ | 11.1 9.3 | 0.1\% |
| me 4 | 355319 | 2015 | Dry | January | -- | 14,589.1 | 14,583.3 | 5.8 | 0.0\% | 14,583.3 | 5.8 | 0.0\% | 14,582.2 | 6.9 | 0.0\% | 14,582.2 | ${ }_{6} 6$ | 0.0\% | 14,581.0 | 8.1 | 0.1\% | 14,581.0 | 8.1 | 0.1\% |
| me 4 | 355319 | 2015 | Dry | February |  | 27,263,9 | 27,259.3 | 4.6 | 0.0\% | 27,259.3 | 4.6 | 0.0\% | 27,258.1 | 5.8 | 0.0\% | 27,258.1 | 5.8 | 0.0\% | 27,256.9 | 6.9 | 0.0\% | 27,256.9 | 6.9 | 0.0\% |
| me 4 | 355319 | 2015 | Dry | March | - | 11,577.5 | 11,573.0 | 4.5 | 0.0\% | 11,572.6 | 5.0 | 0.0\% | 11,572.2 | 5.3 | 0.0\% | 11,571.8 | 5.8 | 0.0\% | 11,571.3 | 6.3 | 0.1\% | 11,570.8 | 6.7 | 0.1\% |
| ME4 | 355319 | 2015 | Dry | April | - | 8,406.4 | 8,397.5 | 8.9 | 0.1\% | 8,396.6 | 9.7 | 0.1\% | 8,395.7 | 10.6 | 0.1\% | 8,394.8 | 11.6 | 0.1\% | 8,393.9 | 12.5 | 0.1\% | 8,392.9 | 13.4 | 0.2\% |
| ME 4 | 355319 | 2015 | Dry | May | - | 1,508.8 | 1,498.3 | 10.5 | 0.7\% | 1,497.2 | 11.6 | 0.8\% | 1,496.2 | 12.6 | 0.8\% | 1,495.1 | 13.7 | 0.9\% | 1,494.1 | 14.7 | 1.0\% | 1,492.9 | 15.9 | 1.1\% |
| me 4 | 355319 | 2015 | Dry | June | - | 652.8 | 6392 | 13.6 | 2.1\% | 637.8 | 15.0 | 2.3\% | 636.4 | 16.3 | 2.5\% | 635.1 | 17.7 | 2.7\% | 633.7 | 19.0 | 2.9\% | 632.4 | 20.4 | 3.1\% |
| ME 4 | 355319 | 2015 | Dry | July | - | 268.8 | 255.6 | ${ }^{13.3}$ | 4.9\% | 254.3 | 14.6 | 5.4\% | 252.9 | 15.9 | 5.9\% | 251.6 | 17.2 | 6.4\% | 250.3 | 18.6 | ${ }^{6.9 \%}$ | 24.0 | 19.9 | 7.4\% |
| me4 | 355319 | 2015 | Dry | August | -- | 166.8 | 154.0 | 12.8 | 7.7\% | 152.8 | 14.1 | 8.4\% | 151.5 | 15.3 | 9.2\% | 150.2 | 16.6 | 10.0\% | 148.9 | 17.9 | 10.7\% | 147.6 | 19.2 | 11.5\% |
| ME 4 | 355319 | 2015 | Dry | September | Used in Summary Table Analysis | 120.9 | 109.4 | 11.4 | 9.4\% | 108.3 | 12.6 | 10.4\% | 107.2 | 13.7 | 11.3\% | 106.0 | 14.9 | 12.3\% | 104.9 | 16.0 | 13.2\% | 103.7 | 17.2 | 14.2\% |
| ME 4 | 355319 | 2016 | Above Normal | October | Used in Summary Table Analysis | 86.1 | 76.4 | 9.7 | 11.2\% | 75.4 | 10.7 | 12.4\% | 74.5 | 11.7 | 13.6\% | 74.0 | 12.1 | 14.1\% | 73.2 | 12.9 | 15.0\% | 71.9 | 14.3 | - $16.6 \%$ |
| ME 4 | 355319 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,883.2 | 3,875.8 | 7.4 | 0.2\% | $3,875.0$ 3,7037 | 8.2 | 0.2\% | $3,874.3$ <br> 3,7037 | 8.9 | 0.2\% | $3,873.5$ cren | 9.7 | ${ }^{0.3 \%}$ | $3,872.7$ <br> 3,7025 <br> 10.05 | 10.5 | ${ }^{0.3 \%}$ | $3,872.0$ 3,6704 | 11.2 | 0.3\% |
| ME4 | 355319 355319 | 2016 2016 | Above Normal Above Normal | December |  | $36,711.8$ $57,414.4$ | $36,704.9$ $57,408.6$ | 6.9 5.8 | 0.0\% | $36,703.7$ $57,407.4$ | 8.1 6.9 | 0.0\% | $36,703.7$ $57,47.4$ | 8.1 6.9 | 0.0\% | $36,702.5$ $57,406.3$ | 9.3 8.1 | - $0.0 \%$ | $36,702.5$ $57,405.1$ | 9.3 9.3 | 0.0\% | $36,701.4$ $57,405.1$ | 10.4 9.3 | 0.0\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Increase |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference |
| ME 4 | 355319 | 2016 | Above Normal |  | February | -- | 24,284.7 | 24,278.9 | 5.8 | 0.0\% | 24,278.9 | 5.8 | 0.0\% | 24,277.8 | 6.9 | 0.0\% | 24,277.8 | 6.9 | 0.0\% | 24,277.8 | 6.9 | 0.0\% | 24,276.6 | 8.1 | 0.0\% |
| ME 4 | 355319 | 2016 | Above Normal | March | - | 41,821.8 | 41,817.1 | 4.6 | 0.0\% | 41,817.1 | 4.6 | 0.0\% | 41,816.0 | 5.8 | 0.0\% | 41,816.0 | 5.8 | 0.0\% | 41,814.8 | 6.9 | 0.0\% | 41,814.8 | 6.9 | 0.0\% |
| ME 4 | 355319 | 2016 | Above Normal | April | - | 18,549.8 | 18,545.1 | 4.6 | 0.0\% | 18,545.1 | 4.6 | 0.0\% | 18,545.1 | 4.6 | 0.0\% | 18,544.0 | 5.8 | 0.0\% | 18,544.0 | 5.8 | 0.0\% | 18,542.8 | 6.9 | 0.0\% |
| me 4 | 355319 | 2016 | Above Normal | May | - | 5,219.3 | 5,213.9 | 5.4 | 0.1\% | 5,213.4 | 5.9 | 0.1\% | 5,212.8 | 6.5 | 0.1\% | 5,212.3 | 7.1 | 0.1\% | 5,211.7 | 7.6 | 0.1\% | 5,211.1 | 8.2 | 0.2\% |
| ME4 | 355319 | 2016 | Above Normal | June | - | 1,510.3 | 1,499.8 | 10.5 | 0.7\% | 1,498.7 | 11.6 | 0.8\% | 1,497.7 | 12.6 | 0.8\% | 1,496.6 | 13.7 | 0.9\% | 1,495.6 | 14.7 | 1.0\% | 1,494.6 | 15.7 | 1.0\% |
| ME4 | 355319 | 2016 | Above Normal | July | - | 823.9 | 812.2 | 11.7 | 1.4\% | 811.1 | 12.8 | 1.6\% | 809.9 | 14.0 | 1.7\% | 808.8 | 15.1 | 1.8\% | 807.6 | 16.3 | 2.0\% | 806.4 | 17.5 | 2.1\% |
| ME 4 | 355319 | 2016 | Above Normal | August | -- | 492.5 | 481.1 | 11.4 | 2.3\% | 480.0 | 12.5 | 2.5\% | 478.9 | 13.6 | 2.8\% | 477.7 | 14.8 | 3.0\% | 476.6 | 15.9 | 3.2\% | 475.5 | 17.0 | 3.5\% |
| ME4 | 355319 | 2016 | Above Normal | September | Used in Summary Table Analysis | 328.7 | 318.6 | 10.1 | 3.1\% | 317.6 | 11.1 | 3.4\% | 316.6 | 12.1 | 3.7\% | 315.6 | 13.1 | 4.0\% | 314.6 | 14.1 | 4.3\% | 313.6 | 15.2 | 4.6\% |
| me 4 | 355319 | 2017 | wet | October | Used in Summary Table Analysis | 18,319.4 | 18,310.2 | 9.3 | 0.1\% | 18,310.2 | 9.3 | 0.1\% | 18,309.0 | 10.4 | 0.1\% | 18,307.9 | 11.6 | 0.1\% | 18,307.9 | 11.6 | 0.1\% | 18,306.7 | 12.7 | 0.1\% |
| ME4 | 355319 | 2017 | Wet | November | Used in Summary Table Analysis | 18,862.3 | 18,85.5 | 5.8 | 0.0\% | 18,855.3 | 6.9 | 0.0\% | 18,85.3 3 | 6.9 | 0.0\% | 18,854.2 | 8.1 | 0.0\% | 18,854.2 | 8.1 | 0.0\% | 18,853.0 | 9.3 | 0.0\% |
| me 4 | 355319 | 2017 | Wet | December |  | 24,172.5 | 24,166.7 | 5.8 | 0.0\% | 24,166.7 | 5.8 | 0.0\% | 24,165.5 | 6.9 | 0.0\% | 24,165.5 | 6.9 | 0.0\% | 24,164,4 | 8.1 | 0.0\% | 24,164,4 | 8.1 | 0.0\% |
| ME 4 | 355319 | 2017 | Wet | January | -- | 107,078.7 | 107,072.9 | 5.8 | 0.0\% | 107,072.9 | 5.8 | 0.0\% | 107,072.9 | 5.8 | 0.0\% | 107,071.8 | 6.9 | 0.0\% | 107,071.8 | 6.9 | 0.0\% | 107,00.6 | 8.1 | 0.0\% |
| ME4 | 355319 | 2017 | Wet | February | -- | 81,942.1 | 81,937.5 | 4.6 | 0.0\% | 81,937.5 | 4.6 | 0.0\% | $81,936.3$ | 5.8 | 0.0\% | 81,936.3 | 5.8 | 0.0\% | 81,935.2 | 6.9 | 0.0\% | $81,935.2$ | 6.9 | 0.0\% |
| me 4 | 355319 | 2017 | Wet | March | -- | 27,307.9 | 27,303.2 | 4.6 | 0.0\% | 27,303.2 | 4.6 | 0.0\% | 27,302.1 | 5.8 | 0.0\% | 27,302.1 | 5.8 | 0.0\% | 27,302.1 | 5.8 | 0.0\% | 27,300.9 | 6.9 | 0.0\% |
| ME4 | 355319 | 2017 | Wet | April | - | 22,971.1 | 22,96.4 | 4.6 | 0.0\% | 22,966.4 | 4.6 | 0.0\% | 22,966.4 | 4.6 | 0.0\% | 22,965.3 | 5.8 | 0.0\% | 22,965.3 | 5.8 | 0.0\% | 22,965.3 | 5.8 | 0.0\% |
| me 4 | 355319 | 2017 | Wet | May | - | 6,274.1 | 6,268.6 | 5.4 | 0.1\% | 6,268.1 | 6.0 | 0.1\% | 6,267.5 | 6.6 | 0.1\% | 6,266.9 | 7.2 | 0.1\% | 6,266.3 | 7.8 | 0.1\% | 6,265.7 | 8.3 | 0.1\% |
| ME 4 | 355319 | 2017 | Wet | June | - | 2,120.1 | 2,109.4 | 10.8 | 0.5\% | 2,108.3 | 11.8 | 0.6\% | 2,107.2 | 13.0 | 0.6\% | 2,106.1 | 14.0 | 0.7\% | 2,105.0 | 15.2 | 0.7\% | 2,103.9 | 16.2 | 0.8\% |
| ME4 | 355319 | 2017 | Wet | July | - | 935.9 | 924.1 | 11.7 | 1.3\% | 923.0 | 12.9 | 1.4\% | 921.8 | 14.1 | 1.5\% | 920.6 | 15.3 | 1.6\% | 919.5 | 16.4 | 1.8\% | 918.3 | 17.6 | 1.9\% |
| me 4 | 355319 | 2017 | Wet | August | -- | 508.0 | 496.6 | 11.4 | 2.2\% | 495.4 | 12.5 | 2.5\% | 494.3 | 13.7 | 2.7\% | 493.2 | 14.8 | 2.9\% | 492.0 | 15.9 | 3.1\% | 490.9 | 17.1 | 3.4\% |
| ME4 | 355319 | 2017 | Wet | September | Used in Summary Table Analysis | 323.7 | 313.2 | 10.5 | 3.2\% | 312.2 | 11.5 | 3.5\% | 311.1 | 12.6 | 3.9\% | 310.1 | 13.6 | 4.2\% | 309.0 | 14.7 | 4.5\% | 308.0 | 15.7 | 4.9\% |
| me 4 | 355319 | 2018 | Above Normal | October | Used in Summary Table Analysis | 276.4 | 268.9 | 7.4 | 2.7\% | 267.7 | 8.6 | 3.1\% | 266.8 | 9.6 | 3.5\% | 265.7 | 10.7 | 3.9\% | 264.8 | 11.6 | 4.2\% | 263.9 | 12.5 | 4.5\% |
| ME 4 | 355319 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,828.1 | 10,821.6 | 6.5 | 0.1\% | 10,820.9 | 7.2 | 0.1\% | 10,820.3 | 7.9 | 0.1\% | 10,819.7 | 8.4 | 0.1\% | 10,819.0 | 9.1 | 0.1\% | 10,818.4 | 9.7 | 0.1\% |
| ME4 | 355319 | 2018 | Above Normal | December | -- | 5,449.1 | 5,443.6 | 5.4 | 0.1\% | 5,443.1 | 6.0 | 0.1\% | 5,442.5 | 6.6 | 0.1\% | 5,441.9 | 7.2 | 0.1\% | 5,441.4 | 7.6 | 0.1\% | 5,400.9 | 8.2 | 0.2\% |
| ME 4 | 355319 | 2018 | Above Normal | January | -- | 17,844.9 | 17,839.1 | 5.8 | 0.0\% | 17,839.1 | 5.8 | 0.0\% | 17,839.1 | 5.8 | 0.0\% | 17,838.0 | 6.9 | 0.0\% | 17,838.0 | 6.9 | 0.0\% | 17,836.8 | 8.1 | 0.0\% |
| me4 | 355319 | 2018 | Above Normal | February | -- | 7,600.2 | 7,595.8 | 4.4 | 0.1\% | 7,595.4 | 4.9 | 0.1\% | 7,594.9 | 5.3 | 0.1\% | 7,594.4 | 5.8 | 0.1\% | 7,594.1 | 6.1 | 0.1\% | 7,593.6 | 6.6 | 0.1\% |
| me 4 | 355319 | 2018 | Above Normal | March | -- | 20,740.7 | 20,736.1 | 4.6 | 0.0\% | 20,736.1 | 4.6 | 0.0\% | 20,736.1 | 4.6 | 0.0\% | 20,735.0 | 5.8 | 0.0\% | 20,735.0 | 5.8 | 0.0\% | 20,733.8 | 6.9 | 0.0\% |
| ME 4 | 355319 | 2018 | Above Normal | April | - | 32,248.8 | 32,245.4 | 3.5 | 0.0\% | 32,245.4 | 3.5 | 0.0\% | 32,244.2 | 4.6 | 0.0\% | 32,244.2 | 4.6 | 0.0\% | 32,244.2 | 4.6 | 0.0\% | 32,243.1 | 5.8 | 0.0\% |
| ME4 | 355319 | 2018 | Above Normal | May | - | 6,990.2 | 6,981.8 | 8.3 | 0.1\% | 6,980.9 | 9.3 | 0.1\% | 6,980.1 | 10.1 | 0.1\% | 6,979.3 | 10.9 | 0.2\% | 6,978.5 | 11.7 | 0.2\% | 6,977.5 | 12.6 | 0.2\% |
| ME 4 | 355319 | 2018 | Above Normal | June | - | 1,915.0 | 1,904.2 | 10.9 | 0.6\% | 1,903.1 | 11.9 | 0.6\% | 1,902.0 | 13.1 | 0.7\% | 1,900.9 | 14.1 | 0.7\% | 1,899.8 | 15.3 | 0.8\% | 1,898.7 | 16.3 | 0.9\% |
| me 4 | 355319 | 2018 | Above Normal | July | - | 782.5 | 770.7 | 11.8 | 1.5\% | 769.5 | 12.9 | 1.7\% | 768.3 | 14.1 | 1.8\% | 767.2 | 15.3 | 2.0\% | 766.0 | 16.5 | 2.1\% | 764.8 | 17.7 | 2.3\% |
| ME4 | 355319 | 2018 | Above Normal | August | -- | 443.6 | 432.6 | 10.9 | 2.5\% | 431.5 | 12.0 | 2.7\% | 430.5 | ${ }^{13.1}$ | 3.0\% | 429.4 | 14.2 | 3.2\% | 428.3 | 15.3 | 3.4\% | 427.2 | 16.4 | 3.7\% |
| me 4 | 355319 | 2018 | Above Normal | September | Used in Summary Table Analysis | 300.8 | 290.3 | 10.5 | 3.5\% | 289.3 | 11.5 | 3.8\% | 288.2 | 12.6 | 4.2\% | 287.2 | 13.6 | 4.5\% | 286.1 | 14.7 | 4.9\% | 285.1 | 15.7 | 5.2\% |
| ME4 4 | 355319 | 2019 | Below Normal | October | Used in Summary Table Analysis | 208.3 | 200.1 | 8.2 | 3.9\% | 199.2 | 9.0 | 4.3\% | 198.5 | 9.8 | 4.7\% | 197.6 | 10.7 | 5.1\% | 196.9 | 11.4 | 5.5\% | 196.1 | 12.2 | 5.9\% |
| ME 4 | 355319 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,647.2 | 6,640.7 | 6.5 | 0.1\% | 6,640.0 | 7.2 | 0.1\% | 6,639.4 | 7.9 | 0.1\% | 6,638.8 | 8.4 | 0.1\% | 6,638.1 | 9.1 | 0.1\% | 6,637.4 | 9.8 | 0.1\% |
| me4 | 355319 | 2019 | Below Normal | December |  | 14,707.2 | 14,701.4 | 5.8 | 0.0\% | 14,700.2 | 6.9 | 0.0\% | 14,700.2 | 6.9 | 0.0\% | 14,699.1 | 8.1 | 0.1\% | 14,699.1 | 8.1 | 0.1\% | 14,697.9 | 9.3 | 0.1\% |
| ME4 | 355319 | 2019 | Below Normal | January | -- | 35,304.4 | 35,299.8 | 4.6 | 0.0\% | 35,298.6 | 5.8 | 0.0\% | 35,298.6 | 5.8 | 0.0\% | 35,297.5 | 6.9 | 0.0\% | 35,297.5 | 6.9 | 0.0\% | 35,296.3 | 8.1 | 0.0\% |
| ME 4 | 355319 | 2019 | Below Normal | February | -- | 142,013.9 | 142,002.3 | 11.6 | 0.0\% | 142,002.3 | 11.6 | 0.0\% | 142,002.3 | 11.6 | 0.0\% | 142,002.3 | 11.6 | 0.0\% | 142,002.3 | 11.6 | 0.0\% | 142,02.3 | 11.6 | 0.0\% |
| ME4 4 | 355319 | 2019 | Below Normal | March | -- | 42,368.1 | 42,364.6 | 3.5 | 0.0\% | 42,363.4 | 4.6 | 0.0\% | 42,363.4 | 4.6 | 0.0\% | 42,362.3 | 5.8 | 0.0\% | 42,362.3 | 5.8 | 0.0\% | 42,362.3 | 5.8 | 0.0\% |
| ME 4 | 355319 | 2019 | Below Normal | April | - | 15,285.9 | 15,282.4 | 3.5 | 0.0\% | 15,28.3 | 4.6 | 0.0\% | 15,281.3 | 4.6 | 0.0\% | 15,281.3 | 4.6 | 0.0\% | 15,280.1 | 5.8 | 0.0\% | 15,280.1 | 5.8 | 0.0\% |
| ME4 | $\begin{array}{r}35319 \\ \hline 5539\end{array}$ | 2019 | Below Normal | May | - | 17,005.8 | 16,996.5 | ${ }^{9.3}$ | ${ }^{0.1 \%}$ | 16,995.4 | 10.4 | 0.1\% | 16,994.2 | 11.6 | ${ }^{0.1 \%}$ | 16,994.2 | 11.6 | 0.1\% | 16,993.1 | ${ }_{12,7}$ | 0.1\% | 16,991.9 | 13.9 | ${ }^{0.1 \%}$ |
| ME4 4 | 355319 | 2019 | Below Normal | June | - | 4,243.1 | 4,231.3 | 11.8 | 0.3\% | 4,230.1 | 13.0 | 0.3\% | 4,228.9 | 14.1 | 0.3\% | 4,227.7 | 15.4 | 0.4\% | 4,226.5 | 16.6 | 0.4\% | 4,225.3 | 17.7 | 0.4\% |
| ME 4 | 355319 | 2019 | Below Normal | July | - | 1,362.8 | 1,351.0 | 11.8 | 0.9\% | 1,349.9 | 13.0 | 1.0\% | 1,348.7 | 14.1 | 1.0\% | 1,347.5 | 15.4 | 1.1\% | 1,346.3 | 16.6 | 1.2\% | 1,345.1 | 17.7 | 1.3\% |
| ME4 4 | 355319 | 2019 | Below Normal | August | -- | 597.8 | 586.5 | 11.2 | 1.9\% | 585.4 | 12.4 | 2.1\% | 584.3 | 13.5 | 2.3\% | 583.1 | 14.6 | 2.4\% | 582.0 | 15.7 | 2.6\% | 580.9 | 16.9 | 2.8\% |
| ME4 4 | 355319 | 2019 | Below Normal | September | Used in Summary Table Analysis | 463.6 | 453.1 | 10.4 | 2.3\% | 452.1 | 11.5 | 2.5\% | 451.0 | 12.5 | 2.7\% | 450.0 | 13.6 | 2.9\% | 449.0 | 14.6 | 3.2\% | 447.9 | 15.7 | 3.4\% |
| ME4 4 | 35539 35519 | 2020 | Dry | October | Used in Summary Table Analysis | ${ }^{356.3}$ | 348.5 | 7.8 | 2.2\% | 347.7 | 8.6 6 | 2.4\% | 346.9 | 9.4 7 | 2.6\% | 346.1 | 10.2 | 2.9\% | 345.3 | 11.0 | ${ }^{3.1 \%}$ | 344.5 | 11.7 | 3.3\% |
| ME 4 <br> ME 4 | 355319 | 2020 | Dry | November | Used in Summary Table Analysis | 321.3 | 315.2 | 6.1 | 1.9\% | 314.5 | 6.7 | 2.1\% | 313.9 | 7.3 | 2.3\% | 313.3 | 8.0 | 2.5\% | 312.7 | 8.6 | 2.7\% | 312.0 | 9.2 | 2.9\% |
| ME4 <br> ME 4 | 355319 355319 | 2020 2020 | Dry Dry | ${ }^{\text {December }}$ | -- | $13,344.9$ <br> 22.377 .3 <br> 1.464 | $13,339.1$ 223727 | 5.8 4.6 | 0.0\% | $13,339.1$ 22371.5 | 5.8 5.8 5 | 0.0\% $0.0 \%$ 0.0 | $13,338.0$ $22,371.5$ | 6.9 5.8 | 0.1\% | $13,338.0$ <br> $22,370.4$ | 6.9 6.9 | 0.1\% | $13,336.8$ 22370.4 | 8.1 | 0.1\% | $13,336.8$ 22369 | 8.1 |  |
| ME ME 4 4 | 355319 355319 | 2020 2020 | Dry Dry | ${ }_{\text {January }}^{\text {February }}$ | -- | 22,377.3 $7,416.4$ | $22,372.7$ $7,411.9$ | 4.6 4.5 | 0.0\% | $22,371.5$ $7,411.5$ | 5.8 5.0 | 0.0\% | $22,371.5$ $7,411.0$ | 5.8 5.4 | 0.0\% | $2,3,370.4$ $7,410.5$ | 6.9 5.9 | 0.0\% | $22,370.4$ $7,410.1$ | 6.9 6.4 | 0.0\% | $22,369.2$ $7,409.6$ | 8.1 6.8 | 0.0\% |
| ME4 | 355319 | 2020 | Dry | March |  | 7,252.1 | 7,247.8 | 4.3 | 0.1\% | 7,247.3 | 4.7 | 0.1\% | 7,247.0 | 5.1 | 0.1\% | 7,246.5 | 5.6 | 0.1\% | 7,246.1 | 6.0 | 0.1\% | 7,245.6 | 6.5 | 0.1\% |
| ME4 | 355319 | 2020 | Dry | April | - | 5,491.7 | 5,482.9 | 8.8 | 0.2\% | 5,481.9 | 9.7 | 0.2\% | 5,481.0 | 10.6 | 0.2\% | 5,480.2 | 11.5 | 0.2\% | 5,479.3 | 12.4 | 0.2\% | 5,478.4 | 13.3 | 0.2\% |
| me4 | 355319 | 2020 | Dry | May | - | 7,388.2 | 7,377.5 | 10.6 | 0.1\% | 7,376.5 | 11.7 | 0.2\% | 7,375.5 | 12.7 | 0.2\% | 7,374.4 | 13.8 | 0.2\% | 7,373.3 | 14.9 | 0.2\% | 7,372.2 | 16.0 | 0.2\% |
| me 4 | 355319 | 2020 | Dry | June | - | 2,104.3 | 2,090.3 | 14.0 | 0.7\% | 2,088.9 | 15.4 | 0.7\% | 2,087.5 | 16.8 | 0.8\% | 2,086.1 | 18.2 | 0.9\% | 2,084.7 | 19.6 | 0.9\% | 2,083.3 | 20.9 | 1.0\% |
| me 4 | 355319 | 2020 | Dry | July | - | 797.0 | 783.2 | 13.7 | 1.7\% | 781.9 | 15.1 | 1.9\% | 780.5 | 16.5 | 2.1\% | 779.1 | 17.8 | 2.2\% | 777.8 | 19.2 | 2.4\% | 776.4 | 20.6 | 2.6\% |
| ME4 | 355319 | 2020 | Dry | August | -- | 399.7 | 386.1 | 13.5 | 3.4\% | 384.8 | 14.9 | 3.7\% | 383.4 | 16.2 | 4.1\% | 382.1 | 17.6 | 4.4\% | 380.7 | 18.9 | 4.7\% | 379.4 | 20.3 | 5.1\% |
| ME4 4 | 355319 | 2020 | Dry | September | Used in Summary Table Analysis | 249.0 | 236.9 | 12.1 | 4.8\% | 235.7 | 13.3 | 5.3\% | 234.5 | 14.5 | 5.8\% | 233.3 | 15.7 | 6.3\% | 232.1 | 16.9 | 6.8\% | 230.9 | 18.1 | 7.3\% |
| ME5 | 335221 | 2000 | Above Normal | October | Used in Summary Table Analysis | 821.6 | 813.2 | 8.4 | 1.0\% | 812.3 | 9.2 | 1.1\% | 811.5 | 10.1 | 1.2\% | 810.7 | 10.9 | 1.3\% | 809.8 | 11.7 | 1.4\% | 809.0 | 12.6 | 1.5\% |
| ME5 | 335221 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,211.8 | 12,204.9 | 6.9 | 0.1\% | 12,203.7 | 8.1 | 0.1\% | 12,203.7 | 8.1 | 0.1\% | ${ }^{12,202.5}$ | 9.3 | 0.1\% | 12,201.4 | 10.4 | 0.1\% | 12,201.4 | 10.4 | 0.1\% |
| ME5 | 335221 | 2000 | Above Normal | December |  | 10,860.0 | 10,854.4 | 5.6 | 0.1\% | 10,853.8 | 6.1 | 0.1\% | 10,853.2 | 6.7 | 0.1\% | 10,852.7 | 7.3 | 0.1\% | 10,852.1 | 7.9 | 0.1\% | 10,851.5 | 8.4 | 0.1\% |
| ME5 5 | 335221 | 2000 | Above Normal | January | -- | $28,731.5$ | 28,725.7 | 5.8 | 0.0\% | 28,725.7 | 5.8 | 0.0\% | $28,725.7$ 377136.7 | 5.8 | 0.0\% | $\begin{array}{r}28,724.5 \\ \hline 712365\end{array}$ | ${ }^{6.9}$ | 0.0\% | $28,724.5$ 37254 | ${ }_{6}^{6.9}$ | 0.0\% | $28,723.4$ 371254 | 8.1 | 0.0\% |
| ME 5 ME5 | 335221 | 2000 | Above Normal | February | -- | 37,142.4 | 37,137.7 | 4.6 | 0.0\% | 37,136.6 | 5.8 | 0.0\% | 37,136.6 | 5.8 | 0.0\% | 37,136.6 | 5.8 | 0.0\% | 37,135.4 | 6.9 | 0.0\% | 37,135.4 | 6.9 | 0.0\% |
| ME5 ME5 | $\begin{array}{r}335221 \\ 335221 \\ \hline\end{array}$ | 2000 2000 | Above Normal Above Normal | March |  | $18,347.2$ $12,388.0$ | $18,342.6$ $12,33.3$ | 4.6 4.6 | 0.0\% $0.0 \%$ 0.0 | $18,342.6$ $12,333.3$ | 4.6 4.6 | 0.0\% | $18,341.4$ 1233,3 | 5.8 4.6 | 0.0\% | $18,341.4$ $12,332.2$ 7 | 5.8 5.8 5 | 0.0\% $0.0 \%$ 0.0 | $18,341.4$ $12,332.2$ | 5.8 5.8 5, | 0.0\% | $18,340.3$ 12332.2 | 6.9 <br> 5.8 | 0.0\% |
| ME 5 | 335221 | 2000 | Above Normal | May | -- | 7,114.4 | 7,105.7 | 8.7 | 0.1\% | 7,104.7 | ${ }_{9}^{4.6}$ | 0.1\% | 1, 7103.9 | 10.4 | 0.1\% | 7,103.0 | 11.3 | 0.2\% | 7,102.2 | ${ }_{12.2}$ | 0.2\% | 7,101.3 | ${ }_{13.1}$ | 0.2\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  |  |  | Flowwithout Pumping (cfs) | Existing Conditions |  |  | ping |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Month | Note |  | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference |
| ME 5 | 335221 | 2000 | Above Normal | June | - | 2,619.0 | 2,606.0 | 13.0 | 0.5\% | 2,604.6 | 14.4 | 0.5\% | 2,603.4 | 15.6 | 0.6\% | 2,602.1 | 16.9 | 0.6\% | 2,600.8 | 18.2 | 0.7\% | 2,599.4 | 19.6 | 0.7\% |
| ME 5 | 335221 | 2000 | Above Normal | July | - | 995.4 | 983.5 | 11.9 | 1.2\% | 982.3 | 13.1 | 1.3\% | 981.1 | 14.3 | 1.4\% | 979.9 | 15.5 | 1.6\% | 978.7 | 16.7 | 1.7\% | 977.5 | 17.9 | 1.8\% |
| ME5 5 | 335221 | 2000 | Above Normal | August | -- | 525.8 | 514.5 | 11.2 | 2.1\% | 513.4 | ${ }^{12.3}$ | ${ }^{2.3 \%}$ | 512.3 | 13.5 | 2.6\% | 511.2 | 14.6 | 2.8\% | 510.0 | 15.7 | 3.0\% | 508.9 | 16.8 | 3.2\% |
| ME5 | 335221 | 2000 | Above Normal | Septembe | Used in Summary Table Analysis | 298.7 | 288.7 | 10.0 | 3.3\% | 287.7 | 10.9 | 3.7\% | 286.7 | 11.9 | 4.0\% | 285.7 | 12.9 | 4.3\% | 284.7 | 13.9 | 4.7\% | 283.7 | 14.9 | 5.0\% |
| ME5 | 335221 | 2001 | Dry | October | Used in Summary Table Analysis | 3,836.8 | 3,828.6 | 8.2 | 0.2\% | 3,827.8 | 9.0 | 0.2\% | 3,827.0 | 9.8 | 0.3\% | 3,826.2 | 10.6 | 0.3\% | 3,825.3 | 11.5 | 0.3\% | 3,824.5 | 12.3 | 0.3\% |
| ME5 | 335221 | 2001 | Dry | November | Used in Summary Table Analysis | 6,159.1 | 6,152.4 | 6.7 | 0.1\% | 6,151.9 | 7.3 | 0.1\% | 6,151.2 | 8.0 | 0.1\% | 6,150.5 | 8.7 | 0.1\% | 6,149.8 | 9.4 | 0.2\% | 6,149.2 | 10.0 | 0.2\% |
| ME5 | 335221 | 2001 | Dry | December | - | 8,873.6 | 8,867.9 | 5.7 | 0.1\% | 8,867.4 | 6.3 | 0.1\% | 8,866.8 | 6.8 | 0.1\% | 8,866.2 | 7.4 | 0.1\% | 8,865.6 | 8.0 | 0.1\% | 8,865.0 | 8.6 | 0.1\% |
| ME5 | 335221 | 2001 | Dry | January | - | 12,857.6 | 12,853.0 | 4.6 | 0.0\% | 12,851.9 | 5.8 | 0.0\% | 12,851.9 | 5.8 | 0.0\% | 12,851.9 | 5.8 | 0.0\% | 12,850.7 | 6.9 | 0.1\% | 12,850.7 | 6.9 | 0.1\% |
| ME5 | 335221 | 2001 | Dry | February | -- | 17,513.9 | 17,509.3 | 4.6 | 0.0\% | 17,509.3 | 4.6 | 0.0\% | 17,508.1 | 5.8 | 0.0\% | 17,508.1 | 5.8 | 0.0\% | 17,506.9 | 6.9 | 0.0\% | 17,506.9 | 6.9 | 0.0\% |
| ME5 | 335221 | 2001 | Dry | March | - | 12,318.3 | 12,313.7 | 4.6 | 0.0\% | 12,313.7 | 4.6 | 0.0\% | 12,312.5 | 5.8 | 0.0\% | 12,312.5 | 5.8 | 0.0\% | 12,312.5 | 5.8 | 0.0\% | 12,311.3 | 6.9 | 0.1\% |
| ME 5 | 335221 | 2001 | Dry | April | - | 10,994.3 | 10,985.3 | 9.0 | 0.1\% | 10,984.4 | 10.0 | 0.1\% | 10,983.6 | 10.8 | 0.1\% | 10,982.6 | 11.7 | 0.1\% | 10,981.7 | 12.6 | 0.1\% | 10,980.8 | 13.5 | 0.1\% |
| ME5 | 335221 | 2001 | Dry | May | - | 2,637.3 | 2,626.6 | 10.6 | 0.4\% | 2,625.5 | 11.8 | 0.4\% | 2,624.4 | 12.8 | 0.5\% | 2,623.5 | 13.8 | 0.5\% | 2,622.3 | 14.9 | 0.6\% | 2,621.3 | 16.0 | 0.6\% |
| ME5 | 335221 | 2001 | Dry | June | - | 2,662.6 | 2,648.1 | 14.5 | 0.5\% | 2,646.6 | 16.0 | 0.6\% | 2,645.1 | 17.5 | 0.7\% | 2,643.8 | 18.9 | 0.7\% | 2,642.2 | 20.4 | 0.8\% | 2,640.9 | 21.8 | 0.8\% |
| ME 5 | 335221 | 2001 | Dry | July | - | 720.1 | 706.4 | 13.7 | 1.9\% | 705.0 | 15.1 | 2.1\% | 703.6 | 16.5 | 2.3\% | 702.2 | 17.8 | 2.5\% | 700.9 | 19.2 | 2.7\% | 699.5 | 20.6 | 2.9\% |
| ME5 | 335221 | 2001 | Dry | August | - | 175.3 | 162.0 | 13.3 | 7.6\% | 160.6 | 14.7 | 8.4\% | 159.3 | 16.1 | 9.2\% | 157.9 | 17.4 | 9.9\% | 156.6 | 18.7 | 10.7\% | 155.3 | 20.1 | 11.4\% |
| ME5 | 335221 | 2001 | Dry | September | Used in Summary Table Analysis | 98.5 | 86.5 | 12.0 | 12.1\% | 85.3 | 13.2 | 13.4\% | 84.1 | 14.4 | 14.6\% | 82.9 | 15.6 | 15.9\% | 81.7 | 16.8 | 17.1\% | 80.5 | 18.0 | 18.3\% |
| ME5 | 335221 | 2002 | Below Normal | October | Used in Summary Table Analysis | 268.6 | 258.6 | 10.0 | 3.7\% | 257.5 | 11.0 | 4.1\% | 256.5 | 12.0 | 4.5\% | 255.5 | 13.1 | 4.9\% | 254.5 | 14.1 | 5.2\% | 253.4 | 15.1 | 5.6\% |
| ME5 | 335221 | 2002 | Below Normal | November | Used in Summary Table Analysis | 12,072.9 | 12,064.8 | 8.1 | 0.1\% | 12,063.7 | 9.3 | 0.1\% | 12,062.5 | 10.4 | 0.1\% | 12,062.5 | 10.4 | 0.1\% | 12,061.3 | ${ }^{11.6}$ | 0.1\% | 12,060.2 | 12.7 | 0.1\% |
| ME5 | 335221 | 2002 | Below Normal | December |  | 35,821.8 | 35,816.0 | 5.8 | 0.0\% | 35,814.8 | 6.9 | 0.0\% | 35,813.7 | 8.1 | 0.0\% | 35,813.7 | 8.1 | 0.0\% | 35,812.5 | 9.3 | 0.0\% | 35,811.3 | 10.4 | 0.0\% |
| ME5 | 335221 | 2002 | Below Normal | January | - | 30,965.3 | 30,958.3 | 6.9 | 0.0\% | 30,958.3 | 6.9 | 0.0\% | 30,957.2 | 8.1 | 0.0\% | 30,957.2 | 8.1 | 0.0\% | 30,956.0 | 9.3 | 0.0\% | 30,956.0 | 9.3 | 0.0\% |
| ME5 | 335221 | 2002 | Below Normal | February | - | 24,729.2 | 24,723.4 | 5.8 | 0.0\% | 24,723.4 | 5.8 | 0.0\% | 24,722.2 | 6.9 | 0.0\% | 24,722.2 | 6.9 | 0.0\% | 24,721.1 | 8.1 | 0.0\% | 24,721.1 | 8.1 | 0.0\% |
| ME 5 | 335221 | 2002 | Below Normal | March | - | 17,819.4 | 17,814.8 | 4.6 | 0.0\% | 17,813.7 | 5.8 | 0.0\% | 17,813.7 | 5.8 | 0.0\% | 17,812.5 | 6.9 | 0.0\% | 17,812.5 | 6.9 | 0.0\% | 17,811.3 | 8.1 | 0.0\% |
| ME5 | 335221 | 2002 | Below Normal | April | - | 9,940.0 | 9,931.0 | 9.0 | 0.1\% | 9,930.1 | 10.0 | 0.1\% | 9,929.2 | 10.9 | 0.1\% | 9,928.2 | 11.8 | 0.1\% | 9,927.3 | 12.7 | 0.1\% | 9,926.4 | 13.7 | 0.1\% |
| ME5 | 33522 | 2002 | Below Normal | May | - | 3,324.7 | 3,314.0 | 10.6 | 0.3\% | 3,313.0 | 11.7 | 0.4\% | 3,311.9 | 12.7 | 0.4\% | 3,310.8 | 13.9 | 0.4\% | 3,309.7 | 14.9 | 0.4\% | 3,308.7 | 16.0 | 0.5\% |
| ME5 | 335221 | 2002 | Below Normal | June | - | 856.5 | 844.4 | 12.1 | 1.4\% | 843.2 | 13.3 | 1.6\% | 842.0 | 14.5 | 1.7\% | 840.7 | 15.8 | 1.8\% | 839.5 | 17.0 | 2.0\% | 838.3 | 18.2 | 2.1\% |
| ME5 | 335221 | 2002 | Below Normal | July | - | 365.3 | 353.0 | 12.3 | 3.4\% | 351.7 | 13.6 | 3.7\% | 350.5 | 14.8 | 4.0\% | 349.2 | 16.0 | 4.4\% | 348.0 | 17.3 | 4.7\% | 346.8 | 18.5 | 5.1\% |
| ME5 | 335221 | 2002 | Below Normal | August | -- | 230.6 | 219.0 | 11.6 | 5.0\% | 217.8 | 12.8 | 5.5\% | 216.6 | 13.9 | 6.0\% | 215.5 | 15.1 | 6.6\% | 214.3 | 16.3 | 7.1\% | 213.1 | 17.4 | 7.6\% |
| ME5 | 335221 | 2002 | Below Normal | September | Used in Summary Table Analysis | 167.2 | 156.2 | 11.0 | 6.6\% | 155.1 | 12.1 | 7.2\% | 154.0 | 13.2 | 7.9\% | 152.9 | 14.3 | 8.6\% | 151.8 | 15.4 | 9.2\% | 150.7 | 16.5 | 9.9\% |
| ME5 | 335221 | 2003 | Wet | October | Used in Summary Table Analysis | 132.1 | 123.1 | 9.0 | 6.8\% | 122.2 | 9.9 | 7.5\% | 121.3 | 10.8 | 8.2\% | 120.4 | 11.7 | 8.9\% | 119.5 | 12.6 | 9.6\% | 118.6 | 13.5 | 10.2\% |
| ME 5 | 335221 | 2003 | Wet | November | Used in Summary Table Analysis | 900.6 | 893.3 | 7.3 | 0.8\% | 892.6 | 8.0 | 0.9\% | 891.9 | 8.7 | 1.0\% | 891.1 | 9.5 | 1.1\% | 890.4 | 10.2 | 1.1\% | 889.6 | 10.9 | 1.2\% |
| ME5 | 335221 | 2003 | Wet | December |  | 57,149.3 | 57,142.4 | 6.9 | 0.0\% | 57,142.4 | 6.9 | 0.0\% | 57,141.2 | 8.1 | 0.0\% | 57,141.2 | 8.1 | 0.0\% | 57,140.0 | 9.3 | 0.0\% | 57,140.0 | 9.3 | 0.0\% |
| ME 5 | 33522 | 2003 | wet | January | - | 31,596.1 | 31,590.3 | 5.8 | 0.0\% | 31,590.3 | 5.8 | 0.0\% | 31,589.1 | 6.9 | 0.0\% | 31,589.1 | 6.9 | 0.0\% | 31,588.0 | 8.1 | 0.0\% | 31,588.0 | 8.1 | 0.0\% |
| ME5 | 335221 | 2003 | Wet | February | - | 20,387.7 | 20,383.1 | 4.6 | 0.0\% | 20,381.9 | 5.8 | 0.0\% | 20,381.9 | 5.8 | 0.0\% | 20,381.9 | 5.8 | 0.0\% | 20,380.8 | 6.9 | 0.0\% | 20,380.8 | 6.9 | 0.0\% |
| ME 5 | 335221 | 2003 | Wet | March | - | 24,088.0 | 24,083.3 | 4.6 | 0.0\% | 24,082.2 | 5.8 | 0.0\% | 24,082.2 | 5.8 | 0.0\% | 24,082.2 | 5.8 | 0.0\% | 24,081.0 | 6.9 | 0.0\% | 24,081.0 | 6.9 | 0.0\% |
| ME 5 | 335221 | 2003 | Wet | April | - | 43,048.6 | 43,044.0 | 4.6 | 0.0\% | 43,044.0 | 4.6 | 0.0\% | 43,042.8 | 5.8 | 0.0\% | 43,042,8 | 5.8 | 0.0\% | 43,041.7 | 6.9 | 0.0\% | 43,041.7 | 6.9 | 0.0\% |
| ME5 | 335221 | 2003 | Wet | May | - | 12,240.7 | 12,231.5 | 9.3 | 0.1\% | 12,231.5 | ${ }^{9.3}$ | 0.1\% | 12,230.3 | 10.4 | 0.1\% | 12,229.2 | 11.6 | 0.1\% | 12,228.0 | 12.7 | 0.1\% | 12,226.9 | 13.9 | 0.1\% |
| ME5 | 335221 | 2003 | Wet | June | - | 3,170.3 | 3,158.4 | 11.8 | 0.4\% | 3,157.4 | 12.8 | 0.4\% | 3,156.1 | 14.1 | 0.4\% | 3,155.1 | 15.2 | 0.5\% | 3,153.9 | 16.3 | 0.5\% | 3,152.8 | 17.5 | 0.6\% |
| ME5 | 335221 | 2003 | Wet | July | - | 1,478.6 | 1,466.3 | 12.3 | 0.8\% | 1,465.2 | 13.4 | 0.9\% | 1,463.9 | 14.7 | 1.0\% | 1,462.7 | 15.9 | 1.1\% | 1,461.5 | 17.1 | 1.2\% | 1,460.2 | 18.4 | 1.2\% |
| ME5 | 335221 | 2003 | Wet | August | -- | 764.4 | 752.5 | 11.8 | 1.5\% | 751.4 | 13.0 | 1.7\% | 750.2 | 14.2 | 1.9\% | 748.9 | 15.4 | 2.0\% | 747.8 | 16.6 | 2.2\% | 746.6 | 17.8 | 2.3\% |
| ME5 | 335221 | 2003 | Wet | September | Used in Summary Table Analysis | 461.9 | 451.7 | 10.2 | 2.2\% | 450.7 | 11.2 | 2.4\% | 449.7 | 12.2 | 2.6\% | 448.6 | 13.2 | 2.9\% | 447.6 | 14.2 | 3.1\% | 446.6 | 15.3 | 3.3\% |
| ME5 | 335221 | 2004 | Wet | October | Used in Summary Table Analysis | 328.7 | 320.3 | 8.4 | 2.6\% | 319.5 | 9.2 | 2.8\% | 318.6 | 10.1 | 3.1\% | 317.8 | 10.9 | 3.3\% | 316.9 | 11.8 | 3.6\% | 316.1 | 12.6 | 3.8\% |
| ME 5 | 335221 | 2004 | Wet | November | Used in Summary Table Analysis | 5,841.8 | 5,835.1 | 6.7 | 0.1\% | 5,834.4 | 7.4 | 0.1\% | 5,833.7 | 8.1 | 0.1\% | 5,833.0 | 8.8 | 0.2\% | 5,832.3 | 9.5 | 0.2\% | 5,831.6 | 10.2 | 0.2\% |
| ME5 | 335221 | 2004 | Wet | December | - | 36,485.0 | 36,479.2 | 5.8 | 0.0\% | 36,478.0 | 6.9 | 0.0\% | 36,478.0 | 6.9 | 0.0\% | 36,476.9 | 8.1 | 0.0\% | 36,476.9 | 8.1 | 0.0\% | 36,475.7 | 9.3 | 0.0\% |
| ME 5 | 335221 | 2004 | Wet | January | - | 31,591.4 | 31,585.6 | 5.8 | 0.0\% | 31,585.6 | 5.8 | 0.0\% | 31,584.5 | 6.9 | 0.0\% | 31,584.5 | 6.9 | 0.0\% | 31,583.3 | 8.1 | 0.0\% | 31,583.3 | 8.1 | 0.0\% |
| ME5 | 335221 | 2004 | Wet | February |  | 38,399.5 | 38,343.8 | 5.8 | 0.0\% | 38,343.8 | 5.8 | 0.0\% | 38,343.8 | 5.8 | 0.0\% | 38,342.6 | 6.9 | 0.0\% | 38,342.6 | 6.9 | 0.0\% | 38,341.4 | 8.1 | 0.0\% |
| ME5 | 335221 | 2004 | Wet | March | - | 16,542.8 | 16,538.2 | 4.6 | 0.0\% | 16,538.2 | 4.6 | 0.0\% | 16,537.0 | 5.8 | 0.0\% | 16,537.0 | 5.8 | 0.0\% | 16,535.9 | 6.9 | 0.0\% | 16,535.9 | 6.9 | 0.0\% |
| ME5 | 335221 | 2004 | Wet | April | - | 9,464.4 | 9,460.3 | 4.1 | 0.0\% | 9,459.8 | 4.5 | 0.0\% | 9,459.4 | 5.0 | 0.1\% | 9,458.9 | 5.4 | 0.1\% | 9,458.6 | 5.8 | 0.1\% | 9,458.1 | ${ }^{6.3}$ | 0.1\% |
| ME5 | 335221 | 2004 | Wet | May | - | 3,431.4 | 3,422.6 | 8.8 | 0.3\% | 3,421.6 | 9.7 | 0.3\% | 3,420.8 | 10.5 | 0.3\% | 3,419.9 | 11.5 | 0.3\% | 3,419.0 | 12.4 | 0.4\% | 3,418.2 | 13.2 | 0.4\% |
| ME5 | 335221 | 2004 | Wet | June | - | 694.3 | 683.2 | 11.1 | 1.6\% | 682.1 | 12.2 | 1.8\% | 681.0 | 13.3 | 1.9\% | 679.9 | 14.4 | 2.1\% | 678.8 | 15.6 | 2.2\% | 677.7 | 16.7 | 2.4\% |
| ME5 5 | 335221 | 2004 | Wet | July | - | 359.7 | 347.8 | 12.0 | 3.3\% | 346.6 | 13.2 | 3.7\% | 345.4 | 14.4 | 4.0\% | 344.2 | 15.6 | 4.3\% | 343.0 | 16.7 | 4.7\% | 341.8 | 17.9 | 5.0\% |
| ME5 | 335221 | 2004 | Wet | August | -- | 228.6 | 217.2 | 11.3 | 5.0\% | 216.1 | 12.4 | 5.4\% | 215.0 | 13.6 | 5.9\% | 213.9 | 14.7 | 6.4\% | 212.7 | 15.8 | 6.9\% | 211.6 | 17.0 | 7.4\% |
| ME5 | 335221 | 2004 | Wet | September | Used in Summary Table Analysis | 165.4 | 154.6 | 10.8 | 6.5\% | 153.5 | 11.8 | 7.1\% | 152.5 | 12.9 | 7.8\% | 151.4 | 14.0 | 8.4\% | 150.3 | 15.1 | 9.1\% | 149.2 | 16.1 | 9.8\% |
| ME5 | 335221 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,733.0 | 7,724.4 | 8.6 | 0.1\% | 7,723.6 | 9.4 | 0.1\% | 7,722.7 | 10.3 | 0.1\% | 7,721.9 | ${ }^{11.1}$ | 0.1\% | 7,720.9 | 12.0 | 0.2\% | 7,720.1 | 12.8 | 0.2\% |
| ME5 | 335221 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,263.8 | 2,257.1 | 6.7 | 0.3\% | 2,256.4 | 7.4 | 0.3\% | 2,255.7 | 8.1 | 0.4\% | 2,255.0 | 8.8 | 0.4\% | 2,254.3 | 9.5 | 0.4\% | 2,253.6 | 10.2 | 0.4\% |
| ME5 | 335221 | 2005 | Above Normal | December |  | 21,173.6 | 21,167.8 | 5.8 | 0.0\% | 21,166.7 | 6.9 | 0.0\% | 21,166.7 | 6.9 | 0.0\% | 21,165.5 | 8.1 | 0.0\% | 21,165.5 | 8.1 | 0.0\% | 21,164.4 | 9.3 | 0.0\% |
| ME5 | 335221 | 2005 | Above Normal | January |  | 22,500.0 | 22,494.2 | 5.8 | 0.0\% | 22,494.2 | 5.8 | 0.0\% | 22,493.1 | 6.9 | 0.0\% | 22,493.1 | 6.9 | 0.0\% | 22,491.9 | 8.1 | 0.0\% | 22,491.9 | 8.1 | 0.0\% |
| ME5 | 335221 | 2005 | Above Normal | February | - | 14,031.3 | 14,026.6 | 4.6 | 0.0\% | 14,025.5 | 5.8 | 0.0\% | 14,025.5 | 5.8 | 0.0\% | 14,025.5 | 5.8 | 0.0\% | 14,024.3 | 6.9 | 0.0\% | 14,024.3 | 6.9 | 0.0\% |
| ME5 | 335221 | 2005 | Above Normal | March | - | 28,653.9 | 28,649.3 | 4.6 | 0.0\% | 28,649.3 | 4.6 | 0.0\% | 28,649.3 | 4.6 | 0.0\% | 28,648.1 | 5.8 | 0.0\% | 28,648.1 | 5.8 | 0.0\% | 28,647.0 | 6.9 | 0.0\% |
| ME5 | 335221 | 2005 | Above Normal | April | - | 21,502.3 | 21,497.7 | 4.6 | 0.0\% | 21,497.7 | 4.6 | 0.0\% | 21,496.5 | 5.8 | 0.0\% | 21,496.5 | 5.8 | 0.0\% | 21,495.4 | ${ }^{6.9}$ | 0.0\% | 21,495.4 | 6.9 | 0.0\% |
| ME5 | 335221 | 2005 | Above Normal | May | - | $19,637.7$ <br> 159525 <br> 28846 | 19,629.6 | 8.1 | 0.0\% | 19,628.5 | 9.3 | 0.0\% | 19,627.3 | 10.4 | 0.1\% | 19,626.2 | 11.6 | ${ }^{0.1 \%}$ | 19,625.0 | 12.7 | ${ }^{0.1 \%}$ | 19,625.0 | 12.7 | 0.1\% |
| ME 5 ME5 | 335221 | 2005 | Above Normal | June | - | 15,952.5 | 15,938.7 | 13.9 | 0.1\% | 15,937.5 | 15.0 | 0.1\% | 15,936.3 | 16.2 | 0.1\% | 15,935.2 | 17.4 | 0.1\% | 15,934.0 | 18.5 | 0.1\% | 15,932.9 | 19.7 | 0.1\% |
| ME5 ME5 | $\begin{array}{r}335221 \\ 335221 \\ \hline\end{array}$ | 2005 | Above Normal | July | - | 2,864.6 | 2,852.2 | 12.4 | 0.4\% | 2,850.9 | 13.7 <br> 12.4 <br> 12.0 | 0.5\% | $2,849.8$ 9737 | 14.8 <br> 13.5 <br> 12.0 | - $1.5 \%$ | 2,848.5 972.6 c, | 16.1 14.7 | 0.6\% | $\underset{\substack{2,847.2 \\ 971.5}}{\text { cis }}$ | 17.4 15.8 15 | 0.6\% $1.6 \%$ l | $\xrightarrow{2,845.9} 9$ | 18.6 16.9 | 0.7\% |
| ME 5 | 335221 | 2005 | Above Normal | September | Used in Summary Table Analysis | 528.8 | 518.8 | 10.0 | 1.9\% | 517.8 | 11.0 | 2.1\% | 516.8 | 12.0 | 2.3\% | 515.8 | 13.0 | 2.4\% | 514.8 | 14.0 | 2.6\% | 513.8 | 15.0 | 2.8\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan


Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flow Pumping (cfs) | Existing Conditions |  |  | umping |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \end{aligned}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME5 | 335122 | 2006 | Wet |  | February | -- | 26,714.1 | 26,709.5 | 4.6 | 0.0\% | 26,709.5 | 4.6 | 0.0\% | 26,708.3 | 5.8 | 0.0\% | 26,708.3 | 5.8 | 0.0\% | 26,707.2 | 6.9 | 0.0\% | 26,707.2 | 6.9 | 0.0\% |
| ME5 | 335122 | 2006 | Wet | March | - | 47,333,3 | 47,328.7 | 4.6 | 0.0\% | 47,328.7 | 4.6 | 0.0\% | 47,327.5 | 5.8 | 0.0\% | 47,327.5 | 5.8 | 0.0\% | 47,327.5 | 5.8 | 0.0\% | 47,326.4 | 6.9 | 0.0\% |
| ME5 5 | 335122 | 2006 | Wet | April | - | 30,497.7 | 30,493.1 | 4.6 | 0.0\% | 30,493.1 | 4.6 | 0.0\% | 30,493.1 | 4.6 | 0.0\% | 30,491.9 | 5.8 | 0.0\% | 30,491.9 | 5.8 | 0.0\% | 30,491.9 | 5.8 | 0.0\% |
| ME5 | 335122 | 2006 | wet | May | - | 14,247.7 | 14,24.3 | 4.6 | 0.0\% | 14,241.9 | 5.8 | 0.0\% | 14,241.9 | 5.8 | 0.0\% | 14,240.7 | 6.9 | 0.0\% | 14,240.7 | 6.9 | 0.0\% | 14,239.6 | 8.1 | 0.1\% |
| ME 5 | 335122 | 2006 | Wet | June | - | 3,552.4 | 3,541.3 | 11.1 | 0.3\% | 3,540.3 | 12.2 | 0.3\% | 3,539.2 | 13.2 | 0.4\% | 3,538.1 | 14.4 | 0.4\% | 3,536.9 | 15.5 | 0.4\% | 3,535.9 | 16.6 | 0.5\% |
| ME5 | 335122 | 2006 | Wet | July | - | 1,285.3 | 1,273.5 | 11.8 | 0.9\% | 1,272.3 | 13.0 | 1.0\% | 1,271.2 | 14.1 | 1.1\% | 1,270.0 | 15.3 | 1.2\% | 1,268.9 | 16.4 | 1.3\% | 1,267.6 | 17.7 | 1.4\% |
| ME5 | 335122 | 2006 | Wet | August | -- | 671.2 | 659.7 | 11.5 | 1.7\% | 658.5 | 12.7 | 1.9\% | 657.4 | 13.8 | 2.1\% | 656.2 | 15.0 | 2.2\% | 655.0 | 16.2 | 2.4\% | 653.9 | 17.3 | 2.6\% |
| ME5 | 335122 | 2006 | Wet | September | Used in Summary Table Analysis | 431.5 | 421.4 | 10.1 | 2.3\% | 420.4 | 11.1 | 2.6\% | 419.3 | 12.2 | 2.8\% | 418.3 | 13.2 | 3.1\% | 417.3 | 14.2 | 3.3\% | 416.3 | 15.2 | 3.5\% |
| ME5 | 335122 | 2007 | Above Normal | October | Used in Summary Table Analysis | 278.8 | 27.6 | 8.3 | 3.0\% | 269.7 | 9.1 | 3.3\% | 268.9 | 9.9 | 3.6\% | 268.1 | 10.8 | 3.9\% | 267.3 | 11.6 | 4.2\% | 266.4 | 12.4 | 4.5\% |
| ME5 | 335122 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,731.6 | 8,724.9 | 6.7 | 0.1\% | 8,724.2 | 7.4 | 0.1\% | 8,723.5 | 8.1 | 0.1\% | 8,722.8 | 8.8 | 0.1\% | 8,722.2 | 9.4 | 0.1\% | 8,721.5 | 10.1 | 0.1\% |
| ME5 | 335122 | 2007 | Above Normal | December |  | 20,542.8 | 20,537.0 | 5.8 | 0.0\% | 20,537.0 | 5.8 | 0.0\% | 20,535.9 | 6.9 | 0.0\% | 20,535.9 | 6.9 | 0.0\% | 20,534.7 | 8.1 | 0.0\% | 20,533.6 | 9.3 | 0.0\% |
| ME5 | 335122 | 2007 | Above Normal | January | -- | 10,286.8 | 10,281.6 | 5.2 | 0.1\% | 10,281.1 | 5.7 | 0.1\% | 10,280.6 | 6.3 | 0.1\% | 10,280.1 | 6.7 | 0.1\% | 10,279.5 | 7.3 | 0.1\% | 10,279.1 | 7.8 | 0.1\% |
| ME5 | 335122 | 2007 | Above Normal | February | -- | 30,721.1 | 30,715.3 | 5.8 | 0.0\% | 30,715.3 | 5.8 | 0.0\% | 30,715.3 | 5.8 | 0.0\% | 30,714.1 | 6.9 | 0.0\% | 30,714.1 | 6.9 | 0.0\% | 30,713.0 | 8.1 | 0.0\% |
| ME5 | 335122 | 2007 | Above Normal | March | - | 13,127.3 | 13,122.7 | 4.6 | 0.0\% | 13,122.7 | 4.6 | 0.0\% | 13,122.7 | 4.6 | 0.0\% | 13,121.5 | 5.8 | 0.0\% | 13,121.5 | 5.8 | 0.0\% | 13,120.4 | 6.9 | 0.1\% |
| ME5 | 335122 | 2007 | Above Normal | April | - | 11,558.9 | 11,550.2 | 8.7 | 0.1\% | 11,549.4 | 9.5 | 0.1\% | 11,548.5 | 10.4 | 0.1\% | 11,547.7 | 11.2 | 0.1\% | 11,546.8 | 12.2 | 0.1\% | 11,545.9 | 13.0 | 0.1\% |
| ME5 | 335122 | 2007 | Above Normal | May | - | 4,150.9 | 4,140.6 | 10.3 | 0.2\% | 4,139.6 | 11.3 | 0.3\% | 4,138.7 | 12.3 | 0.3\% | 4,137.6 | 13.3 | 0.3\% | 4,136.6 | 14.4 | 0.3\% | 4,135.5 | 15.4 | 0.4\% |
| ME5 | 335122 | 2007 | Above Normal | June | - | 1,506.4 | 1,494.0 | 12.4 | 0.8\% | 1,492.7 | 13.7 | 0.9\% | 1,491.4 | 14.9 | 1.0\% | 1,490.2 | 16.2 | 1.1\% | 1,489.0 | 17.4 | 1.2\% | 1,487.7 | 18.6 | 1.2\% |
| ME5 | 335122 | 2007 | Above Normal | July | - | 499.5 | 486.9 | 12.6 | 2.5\% | 485.6 | 13.8 | 2.8\% | 484.4 | 15.1 | 3.0\% | 483.1 | 16.3 | 3.3\% | 481.9 | 17.6 | 3.5\% | 480.6 | 18.9 | 3.8\% |
| ME5 | 335122 | 2007 | Above Normal | August | -- | 227.1 | 215.7 | 11.4 | 5.0\% | 214.6 | 12.5 | 5.5\% | 213.5 | 13.7 | 6.0\% | 212.3 | 14.8 | 6.5\% | 211.2 | 15.9 | 7.0\% | 210.1 | 17.1 | 7.5\% |
| ME5 | 335122 | 2007 | Above Normal | September | Used in Summary Table Analysis | 154.7 | 143.9 | 10.8 | 7.0\% | 142.8 | 11.9 | 7.7\% | 141.7 | 12.9 | 8.4\% | 140.7 | 14.0 | 9.1\% | 139.6 | 15.1 | 9.8\% | 138.5 | 16.2 | 10.5\% |
| ME5 | 335122 | 2008 | Dry | October | Used in Summary Table Analysis | 3,457.3 | 3,448.5 | 8.8 | 0.3\% | 3,447.6 | 9.7 | 0.3\% | 3,446.6 | 10.6 | 0.3\% | 3,445.8 | 11.5 | 0.3\% | 3,444.9 | 12.4 | 0.4\% | 3,444.1 | 13.2 | 0.4\% |
| ME5 | 335122 | 2008 | Dry | November | Used in Summary Table Analysis | 3,297.5 | 3,290.6 | 6.8 | 0.2\% | 3,289.9 | 7.5 | 0.2\% | 3,289.2 | 8.2 | 0.2\% | 3,288.5 | 8.9 | 0.3\% | 3,287.8 | 9.6 | 0.3\% | 3,287.3 | 10.2 | 0.3\% |
| ME5 | 335122 | 2008 | Dry | December |  | 23,299.8 | 23,292.8 | 6.9 | 0.0\% | 23,292.8 | 6.9 | 0.0\% | 23,291.7 | 8.1 | 0.0\% | 23,291.7 | 8.1 | 0.0\% | 23,290.5 | 9.3 | 0.0\% | 23,290.5 | 9.3 | 0.0\% |
| ME5 | 335122 | 2008 | Dry | January | -- | 37,696.8 | 37,691.0 | 5.8 | 0.0\% | 37,691.0 | 5.8 | 0.0\% | 37,689.8 | 6.9 | 0.0\% | 37,689.8 | 6.9 | 0.0\% | 37,688.7 | 8.1 | 0.0\% | 37,688.7 | 8.1 | 0.0\% |
| ME5 | 335122 | 2008 | Dry | February | -- | 26,311.3 | 26,306.7 | 4.6 | 0.0\% | 26,306.7 | 4.6 | 0.0\% | 26,305.6 | 5.8 | 0.0\% | 26,305.6 | 5.8 | 0.0\% | 26,304,4 | 6.9 | 0.0\% | 26,304.4 | 6.9 | 0.0\% |
| ME5 | 335122 | 2008 | Dry | March | - | 11,813.7 | 11,809.0 | 4.6 | 0.0\% | 11,809.0 | 4.6 | 0.0\% | 11,809.0 | 4.6 | 0.0\% | 11,807.9 | 5.8 | 0.0\% | 11,807.9 | 5.8 | 0.0\% | 11,806.7 | 6.9 | 0.1\% |
| ME5 | 335122 | 2008 | Dry | April | - | 9,031.9 | 9,023.1 | 8.8 | 0.1\% | 9,022.2 | 9.7 | 0.1\% | 9,021.4 | 10.5 | 0.1\% | 9,020.5 | 11.5 | 0.1\% | 9,019.7 | 12.3 | 0.1\% | $9,018.8$ | 13.2 | 0.1\% |
| ME5 | 335122 | 2008 | Dry | May | - | 1,359.0 | 1,349.5 | 9.5 | 0.7\% | 1,348.6 | 10.4 | 0.8\% | 1,347.7 | 11.3 | 0.8\% | 1,346.8 | 12.3 | 0.9\% | 1,345.7 | 13.3 | 1.0\% | 1,344.8 | 14.2 | 1.0\% |
| ME5 | 335122 | 2008 | Dry | June | - | 441.5 | 427.9 | 13.6 | 3.1\% | 426.6 | 15.0 | 3.4\% | 425.2 | 16.3 | 3.7\% | 423.9 | 17.7 | 4.0\% | 422.5 | 19.0 | 4.3\% | 421.2 | 20.3 | 4.6\% |
| ME5 | 335122 | 2008 | Dry | July | - | 259.3 | 245.9 | 13.5 | 5.2\% | 244.5 | 14.8 | 5.7\% | 243.2 | 16.2 | 6.2\% | 241.8 | 17.5 | 6.7\% | 240.5 | 18.8 | 7.3\% | 239.2 | 20.2 | 7.8\% |
| ME5 | 335122 | 2008 | Dry | August | -- | 182.9 | 169.7 | 13.1 | 7.2\% | 168.4 | 14.4 | 7.9\% | 167.1 | 15.8 | 8.6\% | 165.8 | 17.1 | 9.3\% | 164.5 | 18.4 | 10.0\% | 163.2 | 19.7 | 10.8\% |
| ME5 | 335122 | 2008 | Dry | September | Used in Summary Table Analysis | 144.4 | 131.8 | 12.6 | 8.7\% | 130.5 | 13.9 | 9.6\% | 129.2 | 15.2 | 10.5\% | 128.0 | 16.4 | 11.4\% | 126.7 | 17.7 | 12.2\% | 125.4 | 18.9 | 13.1\% |
| ME5 | 335122 | 2009 | Critical | October | Used in Summary Table Analysis | 929.1 | 919.1 | 10.0 | 1.1\% | 918.1 | 11.0 | 1.2\% | 917.1 | 12.0 | 1.3\% | 916.1 | 13.0 | 1.4\% | 915.0 | 14.0 | 1.5\% | 914.0 | 15.0 | 1.6\% |
| ME5 | 335122 | 2009 | Critical | November | Used in Summary Table Analysis | 5,553.9 | 5,546.2 | 7.8 | 0.1\% | 5,545.4 | 8.6 | 0.2\% | 5,544.7 | 9.3 | 0.2\% | 5,543.9 | 10.1 | 0.2\% | 5,543.1 | 10.9 | 0.2\% | 5,542.2 | 11.7 | 0.2\% |
| ME5 | 335122 | 2009 | Critical | December |  | 12,254.6 | 12,248.8 | 5.8 | 0.0\% | 12,247.7 | 6.9 | 0.1\% | 12,246.5 | 8.1 | 0.1\% | 12,246.5 | 8.1 | 0.1\% | 12,245.4 | 9.3 | 0.1\% | 12,245.4 | 9.3 | 0.1\% |
| ME5 | 335122 | 2009 | Critical | January | -- | 8,822.2 | 8,816.2 | 6.0 | 0.1\% | $8,815.6$ | ${ }^{6.6}$ | 0.1\% | 8,815.0 | 7.2 | 0.1\% | $8,814.5$ | 7.8 | 0.1\% | 8,813.8 | 8.4 | 0.1\% | 8,813.2 | 9.0 | 0.1\% |
| ME5 | 335122 | 2009 | Critical | February | -- | 22,689.8 | 22,685.2 | 4.6 | 0.0\% | 22,684.0 | 5.8 | 0.0\% | 22,684.0 | 5.8 | 0.0\% | 22,682.9 | 6.9 | 0.0\% | 22,682,9 | 6.9 | 0.0\% | 22,681.7 | 8.1 | 0.0\% |
| ME5 | 335122 | 2009 | Critical | March | - | 21,178.2 | 21,173.6 | 4.6 | 0.0\% | 21,172.5 | 5.8 | 0.0\% | 21,172.5 | 5.8 | 0.0\% | 21,172.5 | 5.8 | 0.0\% | 21,171.3 | 6.9 | 0.0\% | 21,171.3 | 6.9 | 0.0\% |
| ME5 | 335122 | 2009 | Critical | April | - | 10,104.1 | 10,094.9 | 9.1 | 0.1\% | 10,094.0 | 10.1 | 0.1\% | 10,093.1 | 11.0 | 0.1\% | 10,092.2 | 11.8 | 0.1\% | 10,091.3 | 12.7 | 0.1\% | 10,090.4 | 13.7 | 0.1\% |
| ME5 | 335122 | 2009 | Critical | May | - | 15,613,4 | 15,601.9 | 11.6 | 0.1\% | 15,600.7 | 12.7 | 0.1\% | 15,599.5 | 13.9 | 0.1\% | 15,598.4 | 15.0 | 0.1\% | 15,597.2 | 16.2 | 0.1\% | 15,596.1 | 17.4 | 0.1\% |
| ME5 | 335122 | 2009 | Critical | June | - | 3,164.9 | 3,150.6 | 14.4 | 0.5\% | 3,149.2 | 15.7 | 0.5\% | 3,147.7 | 17.2 | 0.5\% | 3,146.2 | 18.8 | 0.6\% | 3,144.8 | 20.1 | 0.6\% | 3,143.4 | 21.5 | 0.7\% |
| ME5 | 335122 | 2009 | Critical | July | - | 1,267.0 | 1,253.4 | 13.7 | 1.1\% | 1,252.0 | 15.0 | 1.2\% | 1,250.6 | 16.4 | 1.3\% | 1,249.2 | 17.8 | 1.4\% | 1,247.9 | 19.1 | 1.5\% | 1,246.5 | 20.5 | 1.6\% |
| ME5 | 335122 | 2009 | Critical | August | - | ${ }^{673.0}$ | 659.7 | 13.2 | 2.0\% | ${ }^{658.4}$ | 14.5 | 2.2\% | 657.1 | 15.9 | 2.4\% | ${ }^{655.8}$ | 17.2 | 2.6\% | 654.5 | 18.5 | 2.7\% | 653.2 | 19.8 | 2.9\% |
| ME5 | 335122 | 2009 | Critical | September | Used in Summary Table Analysis | 393.7 | 381.9 | 11.9 | 3.0\% | 380.7 | 13.0 | 3.3\% | 379.5 | 14.2 | 3.6\% | 378.3 | 15.5 | 3.9\% | 377.1 | 16.6 | 4.2\% | 376.0 | 17.8 | 4.5\% |
| ME5 | 335122 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,094.8 | 6,084.6 | 10.2 | 0.2\% | 6,083.6 | 11.2 | 0.2\% | 6,082.5 | 12.3 | 0.2\% | 6,081.5 | 13.3 | 0.2\% | 6,080.6 | 14.2 | 0.2\% | 6,079.5 | 15.3 | 0.3\% |
| ME5 | 335122 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,319.7 | ${ }^{8,311.6}$ | 8.1 | 0.1\% | 8,310.8 | 8.9 | 0.1\% | $8,310.0$ | 9.7 | 0.1\% | 8,309.1 | 10.5 | 0.1\% | ${ }^{8,308.3}$ | 11.3 | 0.1\% | ${ }^{8,307.5}$ | 12.2 | 0.1\% |
| ME5 | 335122 | 2010 | Below Normal | December | -- | 12,415.5 | 12,408.6 | 6.9 | 0.1\% | 12,407.4 | 8.1 | 0.1\% | 12,407.4 | 8.1 | 0.1\% | 12,406.3 | 9.3 | 0.1\% | 12,406, 3 | 9.3 | 0.1\% | 12,405.1 | 10.4 | 0.1\% |
| ME5 | 335122 | 2010 | Below Normal | January | -- | 36,438.7 | 36,432.9 | 5.8 | 0.0\% | 36,431.7 | 6.9 | 0.0\% | 36,431.7 | 6.9 | 0.0\% | 36,430.6 | 8.1 | 0.0\% | $36,430.6$ 27,2963 | 8.1 | 0.0\% | $36,429.4$ 372951 | 9.3 | 0.0\% |
| ME5 | 335122 | 2010 | Below Normal | February | - | 27,303.2 | 27,298.6 | 4.6 | 0.0\% | 27,297.5 | 5.8 | 0.0\% | 27,297.5 | 5.8 | 0.0\% | 27,296.3 | 6.9 | 0.0\% | 27,296.3 | 6.9 | 0.0\% | 27,295.1 | 8.1 | 0.0\% |
| ME5 | 335122 | 2010 | Below Normal | March | - | 28,887.7 | 28,883.1 | 4.6 | 0.0\% | 28,881.9 | 5.8 | 0.0\% | 28,881.9 | 5.8 | 0.0\% | 28,880.8 | 6.9 | 0.0\% | 28,880.8 | 6.9 | 0.0\% | 28,880.8 | 6.9 | 0.0\% |
| ME5 | 335122 | 2010 | Below Normal | April | - | 40,107.6 | 40,103.0 | 4.6 | 0.0\% | 40,103.0 | 4.6 | 0.0\% | 40,101.9 | 5.8 | 0.0\% | 40,101.9 | 5.8 | 0.0\% | 40,1019 | 5.8 | 0.0\% | 40,100.7 | 6.9 | 0.0\% |
| ME5 | 335122 | 2010 | Below Normal | May | - | 20,342.6 | 20,333.3 | 9.3 | 0.0\% | 20,332.2 | 10.4 | 0.1\% | 20,331.0 | 11.6 | 0.1\% | 20,331.0 | 11.6 | 0.1\% | 20,329.9 | 12.7 | 0.1\% | 20,328.7 | 13.9 | 0.1\% |
| ME5 | 335122 | 2010 | Below Normal | June | - | 9,408.9 | 9,395.1 | 13.8 | 0.1\% | 9,393.8 | 15.2 | 0.2\% | 9,392.4 | 16.6 | 0.2\% | 9,391.0 | 17.9 | 0.2\% | 9,389.6 | 19.3 | 0.2\% | 9,388.2 | 20.7 | 0.2\% |
| ME5 | 335122 | 2010 | Below Normal | July | - | 1,458.8 | 1,446.2 | 12.6 | 0.9\% | 1,444.9 | 13.9 | 1.0\% | 1,443.6 | 15.2 | 1.0\% | 1,442.5 | 16.3 | 1.1\% | 1,441.2 | 17.6 | 1.2\% | 1,439.9 | 18.9 | 1.3\% |
| ME5 | 335122 | 2010 | Below Normal | August | -- | 574.3 | 562.6 | 11.7 | 2.0\% | 561.4 | 12.8 | 2.2\% | 560.3 | 14.0 | 2.4\% | 559.1 | 15.2 | 2.6\% | 558.0 | 16.2 | 2.8\% | 556.9 | 17.4 | 3.0\% |
| ME5 | 335122 | 2010 | Below Normal | September | Used in Summary Table Analysis | 656.4 | 645.4 | 11.0 | 1.7\% | 644.3 | 12.1 | 1.8\% | 643.2 | 13.3 | 2.0\% | 642.1 | 14.4 | 2.2\% | 641.0 | 15.5 | 2.4\% | 639.9 | 16.6 | 2.5\% |
| ME5 | 335122 | 2011 | Wet | October | Used in Summary Table Analysis | 9,680.0 | 9,671.6 | 8.3 | 0.1\% | 9,670.7 | 9.3 | 0.1\% | 9,669.9 | 10.1 | 0.1\% | 9,669.1 | 10.9 | 0.1\% | 9,668.2 | 11.8 | 0.1\% | 9,667.4 | 12.6 | 0.1\% |
| ME5 | 335122 | 2011 | Wet | November | Used in Summary Table Analysis | 14,273.1 | 14,266.2 | ${ }^{6.9}$ | 0.0\% | 14,266.2 | 6.9 | 0.0\% | 14,265.0 | 8.1 | 0.1\% | 14,265.0 | 8.1 | 0.1\% | 14,263.9 | 9.3 | 0.1\% | $14,262.7$ 339097 | 10.4 | 0.1\% |
| ME5 | 335122 | 2011 | Wet | December | -- | 33,919.0 | 33,913.2 | 5.8 | 0.0\% | 33,912.0 | 6.9 | 0.0\% | 33,912.0 | 6.9 | 0.0\% | 33,910.9 | 8.1 | 0.0\% | 33,910.9 | 8.1 | 0.0\% | 33,909.7 | 9.3 | 0.0\% |
| ME5 | $\begin{array}{r}335122 \\ 335122 \\ \hline\end{array}$ | 2011 | Wet | January | -- | $14,197.9$ 20,8079 | $14,193.3$ 20803.2 | 4.6 | 0.0\% | $14,192.1$ 20,832 | 5.8 4.6 | 0.0\% | $14,192.1$ 208021 | 5.8 58 | 0.0\% | 14,191.0 | 6.9 58 | 0.0\% | $14,191.0$ 20,8021 | 6.9 58 | 0.0\% | $14,189.8$ 20,809 | 8.1 | 0.1\% |
| ME 5 <br> ME5 | 335122 | 2011 | Wet | February |  | 20,807.9 | 20,803.2 | 4.6 | 0.0\% | 20,803.2 | 4.6 | 0.0\% | 20,802.1 | 5.8 | 0.0\% | 20,802.1 | 5.8 | 0.0\% | 20,802.1 | ${ }_{5}^{5.8}$ | 0.0\% | 20,800.9 | ${ }_{5}^{6.9}$ | 0.0\% |
| ME 5 | 335122 | 2011 | Wet | April | - | 24,850.7 | 24,846.1 | 4.6 | 0.0\% | 24,844.9 | 5.8 | 0.0\% | 24,844,9 | 5.8 | 0.0\% | 24,844.9 | 5.8 | 0.0\% | 24,843.8 | ${ }_{6}^{5.9}$ | 0.0\% | 24,843.8 | 6.9 | 0.0\% |
| ME5 | 335122 | 2011 | Wet | May | - | 11,407.1 | 11,398.3 | 8.8 | 0.1\% | 11,397.3 | 9.7 | 0.1\% | 11,396.4 | 10.6 | 0.1\% | 11,395.6 | 11.5 | 0.1\% | 11,394.6 | 12.5 | 0.1\% | 11,393.8 | 13.3 | 0.1\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  |  |  |  |  |  | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) | Water Year | Water Year Type | Month | Note | Without Pumping (cfs) | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference |
| ME 5 | 335122 | 2017 | Wet | October | Used in Summary Table Analysis | 18,366.9 | 18,357.6 | 9.3 | 0.1\% | 18,357.6 | 9.3 | 0.1\% | 18,356.5 | 10.4 | 0.1\% | 18,355.3 | 11.6 | 0.1\% | 18,354.2 | 12.7 | 0.1\% | 18,35.0 | 13.9 | 0.1\% |
| ME 5 | 335122 | 2017 | wet | November | Used in Summary Table Analysis | 18,914.4 | 18,908.6 | 5.8 | 0.0\% | 18,907.4 | 6.9 | 0.0\% | 18,906.3 | 8.1 | 0.0\% | 18,906.3 | 8.1 | 0.0\% | 18,905.1 | 9.3 | 0.0\% | 18,905.1 | 9.3 | 0.0\% |
| ME5 | 335122 | 2017 | Wet | December |  | 24,253.5 | 24,247.7 | 5.8 | 0.0\% | 24,246.5 | 6.9 | 0.0\% | 24,246.5 | 6.9 | 0.0\% | 24,245.4 | 8.1 | 0.0\% | 24,245.4 | 8.1 | 0.0\% | 24,244.2 | 9.3 | 0.0\% |
| ME5 | 335122 | 2017 | Wet | January |  | 107,3139.7 | 107,309.0 | 4.6 | 0.0\% | 107,307.9 | 5.8 | 0.0\% | 107,307.9 | 5.8 | 0.0\% | 107,306.7 | 6.9 | 0.0\% | 107,306.7 | 6.9 | 0.0\% | 107,305.6 | 8.1 | 0.0\% |
| ME5 | 335122 | 2017 | Wet | February | -- | 82,079.9 | 82,075.2 | 4.6 | 0.0\% | 82,075.2 | 4.6 | 0.0\% | 82,074.1 | 5.8 | 0.0\% | 82,074,1 | 5.8 | 0.0\% | 82,072,9 | 6.9 | 0.0\% | 82,072.9 | 6.9 | 0.0\% |
| ME5 | 335122 | 2017 | Wet | March | -- | 27,351.9 | 27,347.2 | 4.6 | 0.0\% | 27,346.1 | 5.8 | 0.0\% | 27,346.1 | 5.8 | 0.0\% | 27,344.9 | 6.9 | 0.0\% | 27,344.9 | 6.9 | 0.0\% | 27,344.9 | 6.9 | 0.0\% |
| ME5 | 335122 | 2017 | Wet | April | - | 23,018.5 | 23,013.9 | 4.6 | 0.0\% | 23,013.9 | 4.6 | 0.0\% | 23,012.7 | 5.8 | 0.0\% | 23,012.7 | 5.8 | 0.0\% | 23,012.7 | 5.8 | 0.0\% | 23,011.6 | 6.9 | 0.0\% |
| ME 5 | 335122 | 2017 | Wet | May | - | 6,276.6 | 6,271.1 | 5.6 | 0.1\% | 6,270.5 | 6.1 | 0.1\% | 6,269.9 | 6.7 | 0.1\% | 6,269.3 | 7.3 | 0.1\% | 6,268.8 | 7.9 | 0.1\% | 6,268.2 | 8.4 | 0.1\% |
| ME5 | 335122 | 2017 | Wet | June | - | 2,127.1 | 2,116.2 | 10.9 | 0.5\% | 2,115.0 | 12.0 | 0.6\% | 2,114.0 | 13.1 | 0.6\% | 2,113.0 | 14.1 | 0.7\% | 2,111.8 | 15.3 | 0.7\% | 2,110.8 | 16.3 | 0.8\% |
| ME5 | 335122 | 2017 | Wet | July | - | 940.5 | 928.6 | 12.0 | 1.3\% | 927.4 | 13.1 | 1.4\% | 926.2 | 14.3 | 1.5\% | 925.0 | 15.5 | 1.7\% | 923.8 | 16.7 | 1.8\% | 922.6 | 17.9 | 1.9\% |
| ME 5 | 335122 | 2017 | Wet | August | -- | 512.6 | 500.9 | 11.7 | 2.3\% | 49.7 | 12.8 | 2.5\% | 498.6 | 14.0 | 2.7\% | 497.4 | 15.2 | 3.0\% | 496.3 | 16.3 | 3.2\% | 495.1 | 17.5 | 3.4\% |
| ME 5 | 335122 | 2017 | Wet | September | Used in Summary Table Analysis | 327.7 | 316.9 | 10.8 | 3.3\% | 315.8 | 11.9 | 3.6\% | 314.8 | 12.9 | 3.9\% | 313.7 | 14.0 | 4.3\% | 312.6 | 15.1 | 4.6\% | 311.5 | 16.2 | 4.9\% |
| ME5 | 335122 | 2018 | Above Normal | October | Used in Summary Table Analysis | 280.3 | 272.6 | 7.7 | 2.7\% | 271.4 | 9.0 | 3.2\% | 270.4 | 9.9 | 3.5\% | 269.3 | 11.1 | 3.9\% | 268.3 | 12.0 | 4.3\% | 267.4 | 12.9 | 4.6\% |
| ME5 | 335122 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,882.4 | 10,875.7 | 6.7 | 0.1\% | 10,875.0 | 7.4 | 0.1\% | 10,874.3 | 8.1 | 0.1\% | 10,873.6 | 8.8 | 0.1\% | 10,873.0 | 9.4 | 0.1\% | 10,872.3 | 10.1 | 0.1\% |
| ME5 | 335122 | 2018 | Above Normal | December |  | 5,455.0 | 5,449.3 | 5.7 | 0.1\% | 5,448.7 | 6.3 | 0.1\% | 5,448.1 | 6.8 | 0.1\% | 5,447.6 | 7.4 | 0.1\% | 5,447.0 | 8.0 | 0.1\% | 5,446.4 | 8.6 | 0.2\% |
| ME5 | 335122 | 2018 | Above Normal | January | -- | 17,937.5 | 17,931.7 | 5.8 | 0.0\% | 17,931.7 | 5.8 | 0.0\% | 17,930.6 | 6.9 | 0.0\% | 17,930.6 | 6.9 | 0.0\% | 17,929.4 | 8.1 | 0.0\% | 17,929.4 | 8.1 | 0.0\% |
| ME 5 | 335122 | 2018 | Above Normal | February | -- | 7,605.6 | 7,601.0 | 4.5 | 0.1\% | 7,600.6 | 5.0 | 0.1\% | 7,600.1 | 5.4 | 0.1\% | 7,599.7 | 5.9 | 0.1\% | 7,599.2 | 6.4 | 0.1\% | 7,598.7 | 6.8 | 0.1\% |
| ME5 | 335122 | 2018 | Above Normal | March | - | 20,800.9 | 20,796.3 | 4.6 | 0.0\% | 20,796.3 | 4.6 | 0.0\% | 20,795.1 | 5.8 | 0.0\% | 20,795.1 | 5.8 | 0.0\% | 20,795.1 | 5.8 | 0.0\% | 20,794.0 | 6.9 | 0.0\% |
| ME5 | 335122 | 2018 | Above Normal | April | - | 32,319.4 | 32,316.0 | 3.5 | 0.0\% | 32,314.8 | 4.6 | 0.0\% | 32,314.8 | 4.6 | 0.0\% | 32,314,8 | 4.6 | 0.0\% | 32,313.7 | 5.8 | 0.0\% | 32,313.7 | 5.8 | 0.0\% |
| ME5 | 335122 | 2018 | Above Normal | May | - | 6,993.5 | 6,985.0 | 8.6 | 0.1\% | 6,984.1 | 9.4 | 0.1\% | 6,983.2 | 10.3 | 0.1\% | 6,982.4 | 11.1 | 0.2\% | 6,981.6 | 11.9 | 0.2\% | 6,980.7 | 12.8 | 0.2\% |
| ME5 | 335122 | 2018 | Above Normal | June | - | 1,918.8 | 1,907.8 | 11.0 | 0.6\% | 1,906.6 | 12.2 | 0.6\% | 1,905.4 | 13.3 | 0.7\% | 1,904.4 | 14.4 | 0.7\% | 1,903.2 | 15.5 | 0.8\% | 1,902.2 | 16.6 | 0.9\% |
| ME 5 | 335122 | 2018 | Above Normal | July | - | 786.4 | 774.4 | 12.0 | 1.5\% | 773.2 | 13.2 | 1.7\% | 772.0 | 14.4 | 1.8\% | 770.8 | 15.6 | 2.0\% | 769.6 | 16.8 | 2.1\% | 768.4 | 18.0 | 2.3\% |
| ME5 | 335122 | 2018 | Above Normal | August |  | 447.5 | 436.3 | 11.2 | 2.5\% | 435.2 | 12.3 | 2.8\% | 434.1 | 13.4 | 3.0\% | 432.9 | 14.6 | 3.3\% | 431.8 | 15.7 | 3.5\% | 430.7 | 16.8 | 3.8\% |
| ME 5 | 335122 | 2018 | Above Normal | September | Used in Summary Table Analysis | 304.5 | 293.7 | 10.8 | 3.5\% | 292.6 | 11.9 | 3.9\% | 291.5 | 12.9 | 4.2\% | 29.5 | 14.0 | 4.5\% | 289.4 | 15.1 | 5.0\% | 288.3 | 16.2 | 5.3\% |
| ME5 | 335122 | 2019 | Below Normal | October | Used in Summary Table Analysis | 211.3 | 202.9 | 8.5 | 4.0\% | 202.0 | 9.4 | 4.4\% | 201.2 | 10.2 | 4.8\% | 200.3 | 11.0 | 5.2\% | 199.5 | 11.8 | 5.6\% | 198.7 | 12.7 | 6.0\% |
| ME5 | 335122 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,683.2 | 6,676.5 | 6.7 | 0.1\% | 6,675.8 | 7.4 | 0.1\% | 6,675.1 | 8.1 | 0.1\% | 6,674.4 | 8.8 | 0.1\% | 6,673.7 | 9.5 | 0.1\% | 6,673.0 | 10.2 | 0.2\% |
| ME 5 | 335122 | 2019 | Below Normal | December |  | 14,767.4 | 14,761.6 | 5.8 | 0.0\% | 14,760.4 | 6.9 | 0.0\% | 14,760.4 | 6.9 | 0.0\% | 14,759.3 | 8.1 | 0.1\% | 14,759.3 | 8.1 | 0.1\% | 14,758.1 | 9.3 | 0.1\% |
| ME5 | 335122 | 2019 | Below Normal | January | -- | 35,425.9 | 35,420.1 | 5.8 | 0.0\% | 35,420.1 | 5.8 | 0.0\% | 35,419.0 | 6.9 | 0.0\% | 35,499.0 | 6.9 | 0.0\% | 35,417.8 | 8.1 | 0.0\% | 35,417.8 | 8.1 | 0.0\% |
| ME 5 | 335122 | 2019 | Below Normal | February | -- | 142,141.2 | 142,129.6 | 11.6 | 0.0\% | 142,129.6 | 11.6 | 0.0\% | 142,129.6 | 11.6 | 0.0\% | 142,129.6 | 11.6 | 0.0\% | 142,129.6 | 11.6 | 0.0\% | 142,129.6 | 11.6 | 0.0\% |
| ME5 | 335122 | 2019 | Below Normal | March | -- | 42,434.0 | 42,430.6 | 3.5 | 0.0\% | 42,429.4 | 4.6 | 0.0\% | 42,429.4 | 4.6 | 0.0\% | 42,429.4 | 4.6 | 0.0\% | 42,428.2 | ${ }_{5}^{5.8}$ | 0.0\% | $42,428.2$ -1,28. 17, | 5.8 | 0.0\% |
| ME5 | 335122 | 2019 | Below Normal | April |  | 15,305.6 | 15,300.9 | 4.6 | 0.0\% | 15,300.9 | 4.6 | 0.0\% | 15,300.9 | 4.6 | 0.0\% | 15,299.8 | 5.8 | 0.0\% | 15,299.8 | 5.8 | 0.0\% | 15,298.6 | 6.9 | 0.0\% |
| ME 5 | 335122 | 2019 | Below Normal | May | - | 17,098.4 | 17,089.1 | 9.3 | 0.1\% | 17,088.0 | 10.4 | 0.1\% | 17,086.8 | 11.6 | 0.1\% | 17,086.8 | 11.6 | 0.1\% | 17,085.6 | 12.7 | 0.1\% | 17,084.5 | 13.9 | 0.1\% |
| ME 5 | 335122 | 2019 | Below Normal | June | - | 4,244.1 | 4,232.2 | 11.9 | 0.3\% | 4,231.0 | 13.1 | 0.3\% | 4,229.9 | 14.2 | 0.3\% | 4,228.6 | 15.5 | 0.4\% | 4,227.4 | 16.7 | 0.4\% | 4,226.3 | 17.8 | 0.4\% |
| ME 5 | 335122 | 2019 | Below Normal | July | - | 1,367.6 | 1,355.6 | 12.0 | 0.9\% | 1,354.4 | 13.2 | 1.0\% | 1,353.1 | 14.5 | 1.1\% | 1,352.0 | 15.6 | 1.1\% | 1,350.8 | 16.8 | 1.2\% | 1,349.5 | 18.1 | 1.3\% |
| ME5 5 | 335122 | 2019 | Below Normal | August | 兂 | 602.3 | 590.8 | 11.5 | 1.9\% | 589.6 | 12.7 | 2.1\% | 588.4 | 13.8 | 2.3\% | 587.3 | 15.0 | 2.5\% | 586.1 | 16.1 | 2.7\% | 585.0 | 17.3 | 2.9\% |
| ME5 | 335122 | 2019 | Below Normal | September | Used in Summary Table Analysis | 467.5 | 456.8 | 10.7 | 2.3\% | 455.7 | 11.8 | 2.5\% | 454.6 | 12.9 | 2.8\% | 453.6 | 13.9 | 3.0\% | 452.5 | 15.0 | 3.2\% | 451.4 | 16.1 | 3.4\% |
| M $5_{5}$ | $\begin{array}{r}335122 \\ 335122 \\ \hline\end{array}$ | 2020 | Dry | October | Used in Summary Table Analysis | 359.4 | 351.3 <br> 3204 | ${ }_{8}^{8.1}$ | 2.3\% | 350.5 3197 | 8.9 | ${ }^{2.5 \%}$ | 349.7 39.7 | 9.7 | 2.7\% | 348.9 318.4 | ${ }^{10.6}$ | 2.9\% | 348.1 | 11.4 | ${ }^{3.2 \%}$ | 347.3 3171 | 12.2 | 3.4\% |
| ME 5 | 335122 | 2020 | Dry | November | Used in Summary Table Analysis | 326.7 | 320.4 | 6.4 | 1.9\% | 319.7 | 7.0 | 2.1\% | 319.1 | 7.7 | 2.3\% | 318.4 | 8.3 | 2.5\% | 317.8 | 9.0 | 2.7\% | 317.1 | 9.6 | 2.9\% |
| ME 5 | 335122 | 2020 | Dry | December |  | 13,432.9 | 13,427.1 | 5.8 | 0.0\% | 13,427.1 | 5.8 | 0.0\% | 13,425.9 | 6.9 | 0.1\% | 13,425.9 | 6.9 | 0.1\% | 13,424.8 | 8.1 | 0.1\% | 13,424.8 | 8.1 | 0.1\% |
| ME5 | 335122 | 2020 | Dry | January | -- | 22,446.8 | 22,441.0 | 5.8 | 0.0\% | 22,441.0 | 5.8 | 0.0\% | 22,439.8 | 6.9 | 0.0\% | 22,439.8 | 6.9 | 0.0\% | 22,438.7 | 8.1 | 0.0\% | $22,438.7$ 74133 7,290 | 8.1 | 0.0\% |
| ME5 | 335122 | 2020 | Dry | February |  | 7,420.4 | 7,415.7 | 4.6 | 0.1\% | 7,415.3 | 5.1 | 0.1\% | 7,414.7 | 5.7 | 0.1\% | 7,414.2 | 6.1 | 0.1\% | 7,413.8 | 6.6 | 0.1\% | 7,413.3 | 7.1 | ${ }^{0.1 \%}$ |
| ME5 5 | 335122 | 2020 | Dry | March | -- | 7,265.6 | 7,261.2 | 4.4 | 0.1\% | 7,260.8 | 4.9 | 0.1\% | 7,260.4 <br> 5 <br> 1955 | 5.2 | ${ }^{0.1 \%}$ | $7,260.0$ 5,4948 | 5.7 | 0.1\% | $7,259.5$ 50939 | 6.1 12.6 | 0.1\% $0.2 \%$ | $7,259.0$ $5,492.9$ | 6.6 13.5 | $0.1 \%$ $0.2 \%$ |
| ME5 | 335122 | 2020 | Dry | April | - | 5,506.5 | 5,497.5 | 9.0 | 0.2\% | 5,499.6 | 9.8 | 0.2\% | 5,495.7 | 10.8 | 0.2\% | 5,494.8 | 11.7 | 0.2\% | 5,493.9 | 12.6 | 0.2\% | 5,492.9 | 13.5 | 0.2\% |
| ME 5 | 335122 | 2020 | Dry | May | - | 7,406.9 | 7,396.2 | 10.8 | 0.1\% | 7,395.0 | 11.9 | 0.2\% | 7,394.0 | 13.0 | 0.2\% | 7,392.9 | 14.0 | 0.2\% | 7,391.8 | 15.2 | 0.2\% | 7,390.7 | 16.2 | 0.2\% |
| ME5 | 335122 | 2020 | Dry | June | - | 2,105.8 | 2,091.7 | 14.1 | 0.7\% | 2,090.3 | 15.5 | 0.7\% | 2,088.8 | 17.0 | 0.8\% | 2,087.4 | 18.4 | 0.9\% | 2,086.0 | 19.8 | 0.9\% | ${ }^{2,084.6}$ | 21.2 | 1.0\% |
| ME5 5 | 335122 | 2020 | Dry | July | - | 800.1 | 786.1 | 14.0 | 1.8\% | 784.7 | 15.4 | 1.9\% | 783.3 | 16.8 | 2.1\% | 781.9 | 18.2 | 2.3\% | 780.5 | 19.6 | 2.5\% | 779.1 | 21.0 | $2.5 \%$ $5.2 \%$ |
| ME5 5 | 335122 | 2020 | Dry | August | Used in Summary Table Analysis | 403.0 <br> 252 | 389.1 2397 | 13.9 <br> 12.5 | 3.4\% | 387.7 <br> 2885 <br> 8.5 | 15.2 | $3.8 \%$ $5.4 \%$ 1.8 | 386.3 2373 | 16.6 | 4.1\% | 384.9 2360 | 18.0 | $4.5 \%$ <br> $6.4 \%$ | $\begin{array}{r}383.6 \\ 234.8 \\ \hline\end{array}$ | 19.4 17.4 | $4.8 \%$ <br> $6.9 \%$ | 382.2 2335 | 20.8 18.7 | $5.2 \%$ $7.4 \%$ |
| ME5 | 335122 | 2020 | Dry | September | Used in Summary Table Analysis | 252.2 | 239.7 | 12.5 | 4.9\% | 238.5 | 13.7 | 5.4\% | 237.3 | 14.9 | 5.9\% | 236.0 | 16.2 | 6.4\% | 234.8 | 17.4 | 6.9\% | 233.5 | 18.7 | 7.4\% |
| ME5 | 335023 | 2000 | Above Normal | October | Used in Summary Table Analysis | 824.4 | 815.9 | 8.5 | 1.0\% | 815.0 | 9.3 | 1.1\% | 814.2 | 10.2 | 1.2\% | 813.3 | 11.0 | 1.3\% | 812.5 | 11.9 | 1.4\% | 811.6 | 12.7 | 1.5\% |
| ME5 | 335023 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,250.0 | 12,243.1 | 6.9 | 0.1\% | 12,241.9 | 8.1 | 0.1\% | 12,241.9 | ${ }^{8.1}$ | ${ }^{0.1 \%}$ | ${ }^{12,2407.7}$ | 9.3 | ${ }^{0.1 \%}$ | $12,239.6$ 108726 | 10.4 80 | 0.1\% | 12,239.6 | 10.4 8.6 | 0.1\% |
| ME 5 | 335023 | 2000 | Above Normal | December |  | 10,880.6 | 10,874.9 | 5.7 | 0.1\% | 10,874.3 | 6.3 | 0.1\% | 10,873.7 | 6.8 | 0.1\% | 10,873.1 | 7.4 | 0.1\% | 10,872.6 | 8.0 | 0.1\% | 10,872.0 | 8.6 | 0.1\% $0.0 \%$ 0 |
| ME5 | 335023 <br> 335023 | 2000 | Above Normal | January | - | $28,795.1$ 371840 | $28,789.4$ 37179.4 | 5.8 4 4 | 0.0\% | $28,789.4$ 37179.4 | 5.8 4.6 | 0.0\% $0.0 \%$ 0 | $28,789.4$ 37178.2 | 5.8 5.8 | 0.0\% $0.0 \%$ | $28,788.2$ 37178.2 | 6.9 5.8 | 0.0\% $0.0 \%$ | $28,788.2$ 37178.2 | 6.9 5.8 | 0.0\% $0.0 \%$ | $28,787.0$ 37177.1 | 8.1 6.9 | 0.0\% $0.0 \%$ $0.0 \%$ |
| ME 5 ME5 | $\begin{array}{r}335023 \\ 335023 \\ \hline\end{array}$ | 2000 2000 | Above Normal Above Normal | February March | -- | $37,184.0$ $18,360.0$ | $37,179.4$ $18,36.5$ | 4.6 3.5 | 0.0\% $0.0 \%$ | $37,179.4$ $18,355.3$ | 4.6 4.6 | 0.0\% $0.0 \%$ | $37,178.2$ 18,35.3 1 | 5.8 4.6 | 0.0\% $0.0 \%$ | $37,178.2$ $18,355.3$ | 5.8 4.6 | 0.0\% $0.0 \%$ | $37,178.2$ $18,354.2$ | 5.8 5.8 | 0.0\% $0.0 \%$ | $37,177.1$ $18,354.2$ | 6.9 5.8 | 0.0\% $0.0 \%$ |
| ME5 | 335023 | 2000 | Above Normal | April | -- | 12,348.4 | 12,343.8 | 4.6 | 0.0\% | 12,343.8 | 4.6 | 0.0\% | 12,343.8 | 4.6 | 0.0\% | 12,342.6 | 5.8 | 0.0\% | 12,342.6 | 5.8 | 0.0\% | 12,342.6 | 5.8 | 0.0\% |
| ME 5 | 335023 | 2000 | Above Normal | May | - | 7,123.0 | 7,114.4 | 8.7 | 0.1\% | 7,113.4 | 9.6 | 0.1\% | 7,112.6 | 10.4 | 0.1\% | 7,111.7 | 11.3 | 0.2\% | 7,110.8 | 12.3 | 0.2\% | 7,110.0 | 13.1 | 0.2\% |
| ME 5 | 335023 | 2000 | Above Normal | June | - | 2,622.7 | 2,609.6 | 13.1 | 0.5\% | 2,608.3 | 14.4 | 0.5\% | 2,606.9 | 15.7 | 0.6\% | 2,605.7 | 17.0 | 0.6\% | 2,604.4 | 18.3 | 0.7\% | 2,603.1 | 19.6 | 0.7\% |
| ME 5 | 335023 | 2000 | Above Normal | July | - | 997.4 | 985.5 | 12.0 | 1.2\% | 984.3 | 13.2 | 1.3\% | 983.1 | 14.3 | 1.4\% | ${ }^{981.9}$ | 15.5 | 1.6\% | ${ }^{980.7}$ | 16.7 158 | ${ }^{1.7 \%}$ | 979.5 | 17.9 | 1.8\% |
| ME5 | 335023 | 2000 | Above Normal | August | -- | 527.9 | 516.6 | 11.3 | 2.1\% | 515.5 | 12.4 | 2.4\% | 514.3 | 13.6 | 2.6\% | 513.2 | 14.7 | 2.8\% | 512.1 | 15.8 | 3.0\% | 510.9 | 16.9 | 3.2\% |
| ME5 | 335023 | 2000 | Above Normal | September | Used in Summary Table Analysis | 300.6 | 290.5 | 10.0 | 3.3\% | 289.5 | 11.0 | 3.7\% | 288.5 | 12.0 | 4.0\% | 287.5 | 13.0 | 4.3\% | 288.5 | 14.0 | 4.7\% | 285.5 38338 | 15.1 | 5.0\% |
| ME 5 | 335023 | 2001 | Dry | October | Used in Summary Table Analysis | 3,846.3 | 3,838.0 | 8.3 | 0.2\% | 3,837.2 | 9.1 | 0.2\% | 3,836.3 | 10.0 | 0.3\% | 3,835.4 | 10.9 | 0.3\% | 3,834.6 | 11.7 | 0.3\% | 3,833.8 | 12.5 | 0.3\% |
| ME 5 | 335023 | 2001 | Dry | November | Used in Summary Table Analysis | 6,174.0 | 6,167.2 | ${ }_{58}^{6.7}$ | ${ }^{0.1 \%}$ | ${ }^{6,166.6}$ | 7.4 | ${ }^{0.1 \%}$ | ${ }^{6,16559}$ | 8.1 | 0.1\% | 6,165.2 | 8.8 | ${ }^{0.1 \%}$ | ${ }^{6,164.6}$ | 9.4 | 0.2\% | 6,163.9 | 10.1 | 0.2\% |
| ME5 | 335023 335023 | 2001 2001 | Dry Dry | December January |  | $8,888.5$ $12,885.4$ | 8,882.8 $12,880.8$ | 5.8 4.6 | 0.1\% | 8,882.2 $12,879.6$ | 6.4 5.8 | 0.1\% | $8,881.6$ $12,879.6$ | 6.9 5.8 | 0.1\% | $8,888.0$ $12,888.5$ | 7.5 6.9 | 0.1\% | $8,880.4$ $12,878.5$ | 8.1 6.9 | 0.1\% | $8,879.9$ $12,878.5$ | 8.7 6.9 | 0.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan


Monthly Average Stream Flow Due to Groundwater Extraction
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At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month | Note | Flowwithout Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Increase |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Flow (cfs) |  |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Percent } \\ \text { Difference } \end{gathered}$ |
| ME 5 | 335023 | 2012 | Below Normal |  | October | Used in Summary Table Analysis | 4,572.0 | 4,563.4 | 8.6 | 0.2\% | 4,562.5 | 9.5 | 0.2\% | 4,561.7 | 10.3 | 0.2\% | 4,560.8 | 11.2 | 0.2\% | 4,560.0 | 12.0 | 0.3\% | 4,559.0 | 13.0 | 0.3\% |
| ME 5 | 335023 | 2012 | Below Normal | Novembe | Used in Summary Table Analysis | 8,299.4 | 8,292.6 | 6.8 | 0.1\% | 8,291.9 | 7.5 | 0.1\% | 8,291.2 | 8.2 | 0.1\% | 8,290.5 | 8.9 | 0.1\% | 8,289.8 | 9.6 | 0.1\% | 8,289.1 | 10.3 | 0.1\% |
| ME 5 | 335023 | 2012 | Below Normal | December |  | 5,210.5 | 5,204.7 | 5.8 | 0.1\% | 5,204.2 | 6.4 | 0.1\% | 5,203.6 | 6.9 | 0.1\% | 5,203.0 | 7.5 | 0.1\% | 5,202.3 | 8.2 | 0.2\% | 5,201.7 | 8.8 | 0.2\% |
| ME5 | 335023 | 2012 | Below Normal | January | -- | 20,291.7 | 20,287.0 | 4.6 | 0.0\% | 20,25.9 | 5.8 | 0.0\% | 20,285.9 | 5.8 | 0.0\% | 20,24,7 | 6.9 | 0.0\% | 20,284.7 | 6.9 | 0.0\% | 20,283.6 | 8.1 | 0.0\% |
| ME5 | 335023 | 2012 | Below Normal | February - | - | 18,263.9 | 18,258.1 | 5.8 | 0.0\% | 18,258.1 | 5.8 | 0.0\% | 18,258.1 | 5.8 | 0.0\% | 18,256.9 | 6.9 | 0.0\% | 18,256.9 | 6.9 | 0.0\% | 18,255.8 | 8.1 | 0.0\% |
| ME5 | 335023 | 2012 | Below Normal | March |  | 45,631.9 | 45,627.3 | 4.6 | 0.0\% | 45,627.3 | 4.6 | 0.0\% | 45,626.2 | 5.8 | 0.0\% | 45,626.2 | 5.8 | 0.0\% | 45,626.2 | 5.8 | 0.0\% | 45,625.0 | 6.9 | 0.0\% |
| ME5 | 335023 | 2012 | Below Normal | April | - | 26,934.0 | 26,929.4 | 4.6 | 0.0\% | 26,929.4 | 4.6 | 0.0\% | 26,929.4 | 4.6 | 0.0\% | 26,928.2 | 5.8 | 0.0\% | 26,928.2 | 5.8 | 0.0\% | 26,927.1 | 6.9 | 0.0\% |
| ME5 | 335023 | 2012 | Below Normal | May | - | 7,500.8 | 7,491.8 | 9.0 | 0.1\% | 7,490.9 | 10.0 | 0.1\% | 7,490.0 | 10.8 | 0.1\% | 7,489.1 | 11.7 | 0.2\% | 7,488.3 | 12.5 | 0.2\% | 7,487.5 | ${ }^{13.3}$ | 0.2\% |
| ME5 | 335023 | 2012 | Below Normal | June | - | 5,544.7 | 5,531.0 | 13.7 | 0.2\% | 5,529.6 | 15.0 | 0.3\% | 5,528.2 | 16.4 | 0.3\% | 5,527.0 | 17.7 | 0.3\% | 5,525.6 | 19.1 | 0.3\% | 5,524.2 | 20.5 | 0.4\% |
| ME5 | 335023 | 2012 | Below Normal | July | - | 2,242.0 | 2,228.9 | 13.1 | 0.6\% | 2,227.7 | 14.4 | 0.6\% | 2,226.4 | 15.6 | 0.7\% | 2,225.1 | 16.9 | 0.8\% | 2,223.8 | 18.2 | 0.8\% | 2,222.6 | 19.4 | 0.9\% |
| ME 5 | 335023 | 2012 | Below Normal | August | -- | 392.7 | 382.1 | 10.6 | 2.7\% | 381.0 | 11.7 | 3.0\% | 380.0 | 12.7 | 3.2\% | 379.0 | 13.8 | 3.5\% | 377.9 | 14.8 | 3.8\% | 376.9 | 15.8 | 4.0\% |
| ME5 | 335023 | 2012 | Below Normal | September | Used in Summary Table Analysis | 254.6 | 245.2 | 9.4 | 3.7\% | 244.2 | 10.4 | 4.1\% | 243.3 | 11.3 | 4.5\% | 242.3 | 12.3 | 4.8\% | 241.4 | 13.2 | 5.2\% | 240.4 | 14.2 | 5.6\% |
| ME5 | 335023 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,932.2 | 1,923.8 | 8.3 | 0.4\% | 1,923.0 | 9.1 | 0.5\% | 1,922.2 | 10.0 | 0.5\% | 1,921.4 | 10.8 | 0.6\% | 1,920.6 | 11.6 | 0.6\% | 1,919.7 | 12.5 | 0.6\% |
| ME5 | 335023 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,798.6 | 14,791.7 | 6.9 | 0.0\% | 14,790.5 | 8.1 | 0.1\% | 14,790.5 | 8.1 | 0.1\% | 14,789,4 | 9.3 | 0.1\% | 14,789.4 | 9.3 | 0.1\% | 14,788.2 | 10.4 | 0.1\% |
| ME 5 | 335023 | 2013 | Below Normal | December - |  | 60,243.1 | 60,237.3 | 5.8 | 0.0\% | 60,236.1 | 6.9 | 0.0\% | 60,236.1 | 6.9 | 0.0\% | 60,235.0 | 8.1 | 0.0\% | 60,235.0 | 8.1 | 0.0\% | 60,233.8 | 9.3 | 0.0\% |
| ME 5 | 335023 | 2013 | Below Normal | January | -- | 22,273.1 | 22,268.5 | 4.6 | 0.0\% | 22,268.5 | 4.6 | 0.0\% | 22,267.4 | 5.8 | 0.0\% | 22,267.4 | 5.8 | 0.0\% | 22,266.2 | 6.9 | 0.0\% | 22,266.2 | 6.9 | 0.0\% |
| ME5 | 335023 | 2013 | Below Normal | February | -- | 8,879.7 | 8,875.0 | 4.7 | 0.1\% | 8,874.5 | 5.2 | 0.1\% | 8,874.1 | 5.7 | 0.1\% | 8,873.6 | 6.1 | 0.1\% | 8,873.1 | 6.6 | 0.1\% | 8,872.6 | 7.2 | 0.1\% |
| ME5 | 335023 | 2013 | Below Normal | March | -- | 10,382.6 | 10,378.0 | 4.6 | 0.0\% | 10,377.5 | 5.1 | 0.0\% | 10,377.1 | 5.6 | 0.1\% | 10,376.6 | 6.0 | 0.1\% | 10,376.2 | ${ }^{6.5}$ | 0.1\% | 10,375.7 | ${ }^{6.9}$ | 0.1\% |
| ME 5 | 335023 | 2013 | Below Normal | April | - | 8,307.1 | 8,298.5 | 8.6 | 0.1\% | 8,297.7 | 9.4 | 0.1\% | 8,296.9 | 10.2 | 0.1\% | 8,295.9 | 11.1 | 0.1\% | 8,295.1 | 11.9 | 0.1\% | 8,294.2 | 12.8 | 0.2\% |
| ME 5 | 335023 | 2013 | Below Normal | May | - | 4,451.6 | 4,441.3 | 10.3 | 0.2\% | 4,440.3 | 11.3 | 0.3\% | 4,439.2 | 12.4 | 0.3\% | 4,438.2 | 13.4 | 0.3\% | 4,437.2 | 14.5 | 0.3\% | 4,436.1 | 15.5 | 0.3\% |
| ME 5 | 335023 | 2013 | Below Normal | June | - | 2,117.7 | 2,105.2 | 12.5 | 0.6\% | 2,104.1 | 13.7 | 0.6\% | 2,102.8 | 14.9 | 0.7\% | 2,101.5 | 16.2 | 0.8\% | 2,100.3 | 17.4 | 0.8\% | 2,099.1 | 18.6 | 0.9\% |
| ME 5 | 335023 | 2013 | Below Normal | July | - | 721.7 | 709.6 | 12.1 | 1.7\% | 708.4 | ${ }^{13.3}$ | 1.8\% | 707.2 | 14.5 | 2.0\% | 706.0 | 15.8 | 2.2\% | 704.8 | 17.0 | 2.4\% | 703.6 | 18.2 | 2.5\% |
| ME5 | 335023 | 2013 | Below Normal | August | -- | 345.1 | 333.7 | 11.4 | 3.3\% | 332.6 | 12.5 | 3.6\% | 331.4 | 13.7 | 4.0\% | 330.3 | 14.8 | 4.3\% | 329.2 | 15.9 | 4.6\% | 328.0 | 17.1 | 5.0\% |
| ME5 | 335023 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,817.5 | 4,805.7 | 11.8 | 0.2\% | 4,804.5 | 13.0 | 0.3\% | 4,803.4 | 14.1 | 0.3\% | 4,802.2 | 15.3 | 0.3\% | 4,800.9 | 16.6 | 0.3\% | 4,799.8 | 17.7 | 0.4\% |
| ME 5 | 335023 | 2014 | Critical | October | Used in Summary Table Analysis | 282.4 | 27.7 | 8.7 | 3.1\% | 272.9 | 9.5 | 3.4\% | 272.0 | 10.4 | 3.7\% | 271.1 | 11.3 | 4.0\% | 270.3 | 12.2 | 4.3\% | 269.4 | 13.0 | 4.6\% |
| ME5 | 335023 | 2014 | Critical | November | Used in Summary Table Analysis | 1,555.0 | 1,548.0 | 6.9 | 0.4\% | 1,547.3 | 7.6 | 0.5\% | 1,546.6 | 8.3 | 0.5\% | 1,545.9 | 9.0 | 0.6\% | 1,545.3 | 9.7 | 0.6\% | 1,544.6 | 10.4 | 0.7\% |
| ME5 | 335023 | 2014 | Critical | December - |  | 1,600.0 | 1,594.0 | 6.0 | 0.4\% | 1,593.4 | 6.6 | 0.4\% | 1,592.7 | 7.3 | 0.5\% | 1,592.1 | 7.9 | 0.5\% | 1,591.6 | 8.4 | 0.5\% | 1,591.0 | 9.0 | 0.6\% |
| ME5 | 335023 | 2014 | Critical | January | -- | 2,839.0 | 2,833.6 | 5.4 | 0.2\% | 2,833.0 | 6.0 | 0.2\% | 2,832.5 | 6.5 | 0.2\% | 2,831.9 | 7.1 | 0.2\% | 2,831.4 | 7.6 | 0.3\% | 2,830.9 | 8.1 | 0.3\% |
| ME5 | 335023 | 2014 | Critical | February | -- | 15,804.4 | 15,798.6 | 5.8 | 0.0\% | 15,798.6 | 5.8 | 0.0\% | 15,797.5 | 6.9 | 0.0\% | 15,797.5 | 6.9 | 0.0\% | 15,797.5 | 6.9 | 0.0\% | 15,796.3 | 8.1 | 0.1\% |
| ME 5 | 335023 | 2014 | Critical | March | -- | 31,550.9 | 31,546.3 | 4.6 | 0.0\% | 31,546.3 | 4.6 | 0.0\% | 31,545.1 | 5.8 | 0.0\% | 31,545.1 | 5.8 | 0.0\% | 31,545.1 | 5.8 | 0.0\% | 31,544.0 | 6.9 | 0.0\% |
| ME5 | 335023 | 2014 | Critical | April | - | 13,011.6 | 13,003.5 | 8.1 | 0.1\% | 13,002.3 | 9.3 | 0.1\% | 13,001.2 | 10.4 | 0.1\% | 13,000.0 | 11.6 | 0.1\% | 12,998.8 | 12.7 | 0.1\% | 12,998.8 | 12.7 | 0.1\% |
| ME 5 | 335023 | 2014 | Critical | May | - | 5,202.0 | 5,191.1 | 10.9 | 0.2\% | 5,190.0 | 11.9 | 0.2\% | 5,188.9 | 13.1 | 0.3\% | 5,187.8 | 14.1 | 0.3\% | 5,186.7 | 15.3 | 0.3\% | 5,185.6 | 16.3 | 0.3\% |
| ME5 | 335023 | 2014 | Critical | June | - | 1,203.8 | 1,189.0 | 14.8 | 1.2\% | 1,187.5 | 16.3 | 1.4\% | 1,186.0 | 17.8 | 1.5\% | 1,184.5 | 19.3 | 1.6\% | 1,183.0 | 20.8 | 1.7\% | 1,181.6 | 22.2 | 1.8\% |
| ME 5 | 335023 | 2014 | Critical | July | - | 550.0 | 536.1 | 13.9 | 2.5\% | 534.7 | 15.3 | 2.8\% | 533.3 | 16.6 | 3.0\% | 532.0 | 18.0 | 3.3\% | 530.6 | 19.4 | 3.5\% | 529.2 | 20.7 | 3.8\% |
| ME 5 | 335023 | 2014 | Critical | August | -- | 353.1 | 339.8 | 13.3 | 3.8\% | 338.5 | 14.6 | 4.1\% | 337.2 | 15.9 | 4.5\% | 335.9 | 17.2 | 4.9\% | 334.5 | 18.6 | 5.3\% | 333.2 | 19.9 | 5.6\% |
| ME5 | 335023 | 2014 | Critical | September | Used in Summary Table Analysis | 2,588.9 | 2,575.9 | 13.0 | 0.5\% | 2,574.7 | 14.2 | 0.5\% | 2,573.4 | 15.5 | 0.6\% | 2,572.0 | 16.9 | 0.7\% | 2,570.7 | 18.2 | 0.7\% | 2,569.4 | 19.4 | 0.8\% |
| ME5 | 335023 | 2015 | Dry | October | Used in Summary Table Analysis | 11,418.9 | 11,408.9 | 10.0 | 0.1\% | 11,407.9 | 11.0 | 0.1\% | 11,406.9 | 11.9 | 0.1\% | 11,405.2 | 13.7 | 0.1\% | 11,404.3 | 14.6 | 0.1\% | 11,403.2 | 15.6 | 0.1\% |
| ME5 | 335023 | 2015 | Dry | November | Used in Summary Table Analysis | 9,098.4 | 9,090.6 | 7.8 | 0.1\% | 9,089.9 | 8.4 | 0.1\% | 9,089.1 | 9.3 | 0.1\% | 9,088.3 | 10.1 | 0.1\% | 9,087.6 | 10.8 | 0.1\% | 9,086.8 | 11.6 | 0.1\% |
| ME5 | 335023 | 2015 | Dry | December - |  | 32,840.3 | 32,834.5 | 5.8 | 0.0\% | 32,833.3 | 6.9 | 0.0\% | 32,83,3 | 6.9 | 0.0\% | 32,832.2 | 8.1 | 0.0\% | 32,832.2 | 8.1 | 0.0\% | 32,831.0 | 9.3 | 0.0\% |
| ME5 | 335023 | 2015 | Dry | January | -- | 14,611.1 | 14,605.3 | 5.8 | 0.0\% | 14,604.2 | 6.9 | 0.0\% | 14,604.2 | 6.9 | 0.0\% | 14,603.0 | 8.1 | 0.1\% | 14,603.0 | 8.1 | 0.1\% | 14,601.9 | 9.3 | 0.1\% |
| ME5 | 335023 | 2015 | Dry | February |  | 27,321.8 | 27,317.1 | 4.6 | 0.0\% | 27,316.0 | 5.8 | 0.0\% | 27,316.0 | 5.8 | 0.0\% | 27,314.8 | 6.9 | 0.0\% | 27,314.8 | 6.9 | 0.0\% | 27,313.7 | 8.1 | 0.0\% |
| ME5 | 335023 | 2015 | Dry | March | -- | 11,591.4 | 11,586.8 | 4.6 | 0.0\% | 11,585.6 | 5.8 | 0.0\% | ${ }^{11,585.6}$ | 5.8 | 0.0\% | 11,585.6 | 5.8 | 0.0\% | 11,584.5 | 6.9 | 0.1\% | 11,584.5 | 6.9 | 0.1\% |
| ME5 | 335023 | 2015 | Dry | April | - | 8,444.0 | 8,435.0 | 9.0 | 0.1\% | 8,434.0 | 10.0 | 0.1\% | 8,433.1 | 10.9 | 0.1\% | 8,432.3 | 11.7 | 0.1\% | 8,431.4 | 12.6 | 0.1\% | 8,430.4 | 13.5 | 0.2\% |
| ME5 | 335023 | 2015 | Dry | May | - | 1,510.6 | 1,499.9 | 10.8 | 0.7\% | 1,498.8 | 11.8 | 0.8\% | 1,497.8 | 12.8 | 0.9\% | 1,496.6 | 14.0 | 0.9\% | 1,495.6 | 15.0 | 1.0\% | 1,494.6 | 16.1 | 1.1\% |
| ME5 5 | 335023 335023 | 2015 | Dry | June | - | 655.9 | ${ }_{6}^{642.1}$ | 13.8 | ${ }^{2.1 \%}$ | 640.7 2574 | 15.2 | 2.3\% | 639.3 | 16.6 | ${ }^{2.5 \%}$ | 637.9 | 18.0 | ${ }^{2.7 \%}$ | ${ }^{636.5}$ | 19.4 | ${ }^{3.0 \%}$ | 635.2 | 20.7 | 3.2\% |
| ME5 | 335023 | 2015 | Dry | July | - | 272.3 | 258.7 | 13.6 | 5.0\% | 257.4 | 15.0 | 5.5\% | 255.0 | 16.3 | 6.0\% | 254.6 | 17.7 | 6.5\% | 253.3 | 19.1 | 7.0\% | 251.9 | 20.4 | 7.5\% |
|  | 335023 335023 | 2015 | Dry | August | -- | 171.1 | 157.9 | 13.2 | 7.7\% | 156.6 | 14.5 | 8.5\% | 155.3 | 15.8 | ${ }^{9.3 \%}$ | 154.0 1093 | 17.2 | 10.0\% | 152.7 | 18.5 | 10.8\% | 151.3 | 19.8 | 11.6\% $14.3 \%$ |
| ME5 ME5 | $\begin{array}{r}335023 \\ 335023 \\ \hline\end{array}$ | 2015 2016 | Dry Above Normal | September October | r Used in Summary Table Analysis | 124.8 89.9 | 112.9 79.8 | 11.8 10.1 | 9.5\% | 111.8 78.8 | 13.0 11.1 | 10.4\% | 110.6 77.7 | 14.2 12.1 | 11.4\% | 109.3 77.2 | 15.4 12.6 | 12.4\% | 108.2 76.4 | 16.6 13.5 | 13.3\% | 107.0 75.0 | 17.8 14.9 | 14.3\% $16.6 \%$ |
| ME5 | 335023 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,918.2 | 3,910.4 | 7.8 | 0.2\% | 3,909.6 | 8.6 | 0.2\% | 3,908.9 | 9.3 | 0.2\% | 3,908.0 | 10.2 | 0.3\% | 3,907.2 | 11.0 | 0.3\% | 3,906.4 | 11.8 | 0.3\% |
| ME5 | 335023 | 2016 | Above Normal | December - |  | 36,881.9 | 36,875.0 | 6.9 | 0.0\% | 36,873.8 | 8.1 | 0.0\% | 36,873.8 | 8.1 | 0.0\% | 36,872.7 | 9.3 | 0.0\% | 36,872.7 | 9.3 | 0.0\% | 36,871.5 | 10.4 | 0.0\% |
| ME5 | 335023 | 2016 | Above Normal | January | -- | 57,590.3 | 57,583.3 | 6.9 | 0.0\% | 57,583.3 | 6.9 | 0.0\% | 57,582.2 | 8.1 | 0.0\% | 57,582.2 | 8.1 | 0.0\% | 57,581.0 | 9.3 | 0.0\% | 57,581.0 | 9.3 | 0.0\% |
| ME5 | 335023 | 2016 | Above Normal | February - | -- | 24,312.5 | 24,306.7 | 5.8 | 0.0\% | 24,306.7 | 5.8 | 0.0\% | 24,305.6 | 6.9 | 0.0\% | 24,305.6 | 6.9 | 0.0\% | 24,304.4 | 8.1 | 0.0\% | 24,304.4 | 8.1 | 0.0\% |
| ME5 | 335023 | 2016 | Above Normal | March | -- | 41,905.1 | 41,899.3 | 5.8 | 0.0\% | 41,899.3 | 5.8 | 0.0\% | 41,898.1 | 6.9 | 0.0\% | 41,898.1 | 6.9 | 0.0\% | 41,898.1 | 6.9 | 0.0\% | 41,897.0 | 8.1 | 0.0\% |
| ME5 | 335023 | 2016 | Above Normal | April | - | 18,571.8 | 18,568.3 | 3.5 | 0.0\% | 18,567.1 | 4.6 | 0.0\% | 18,567.1 | 4.6 | 0.0\% | 18,566.0 | 5.8 | 0.0\% | 18,56.0 | 5.8 | 0.0\% | 18,566.0 | 5.8 | 0.0\% |
| ME5 | 335023 | 2016 | Above Normal | May | - | 5,227.5 | 5,222.0 | 5.6 | 0.1\% | 5,221.5 | 6.0 | 0.1\% | 5,220.9 | 6.6 | 0.1\% | 5,220.4 | 7.2 | 0.1\% | 5,219.8 | 7.8 | 0.1\% | 5,219.2 | 8.3 | 0.2\% |
| ME5 | 335023 | 2016 | Above Normal | June | - | 1,514.6 | 1,503.8 | 10.8 | 0.7\% | 1,502.8 | 11.8 | 0.8\% | 1,501.7 | 12.8 | 0.8\% | 1,500.6 | 14.0 | 0.9\% | 1,499.5 | 15.0 | 1.0\% | 1,498.5 | 16.1 | 1.1\% |
| ME5 | 335023 | 2016 | Above Normal | July | - | 828.8 | 816.8 | 11.9 | 1.4\% | 815.6 | 13.1 | 1.6\% | 814.5 | 14.3 | 1.7\% | 813.3 | 15.5 | 1.9\% | 812.1 | 16.7 | 2.0\% | 810.9 | 17.9 | 2.2\% |
| ME5 | 335023 | 2016 | Above Normal | August | -- | 497.7 | 486.0 | 11.7 | 2.4\% | 484.8 | 12.9 | 2.6\% | 483.6 | 14.1 | 2.8\% | 482.4 | 15.2 | 3.1\% | 481.3 | 16.4 | 3.3\% | 480.1 | 17.6 | 3.5\% |
| ME5 | 335023 | 2016 | Above Normal | September | Used in Summary Table Analysis | 333.8 | 323.3 | 10.5 | 3.1\% | 322.2 | 11.5 | 3.5\% | 321.2 | 12.6 | 3.8\% | 320.1 | 13.6 | 4.1\% | 319.1 | 14.7 | 4.4\% | 318.0 | 15.7 | 4.7\% |
| ME5 | 335023 | 2017 | Wet | October | Used in Summary Table Analysis | 18,386.6 | 18,378.5 | 8.1 | 0.0\% | 18,377.3 | 9.3 | 0.1\% | 18,377.3 | 9.3 | 0.1\% | 18,376.2 | 10.4 | 0.1\% | 18,375.0 | 11.6 | 0.1\% | 18,373.8 | 12.7 | 0.1\% |
| ME5 | 335023 | 2017 | Wet | November | Used in Summary Table Analysis | 18,936.3 | 18,929.4 | 6.9 | 0.0\% | 18,929.4 | 6.9 | 0.0\% | 18,928.2 | 8.1 | 0.0\% | 18,927.1 | 9.3 | 0.0\% | 18,927.1 | 9.3 | 0.0\% | 18,925.9 | 10.4 | 0.1\% |
| ME5 | 335023 | 2017 | Wet | December |  | 24,287.0 | 24,281.3 | 5.8 | 0.0\% | 24,280.1 | 6.9 | 0.0\% | 24,280.1 | 6.9 | 0.0\% | 24,278.9 | 8.1 | 0.0\% | 24,278.9 | 8.1 | 0.0\% | 24,277.8 | 9.3 | 0.0\% |
| ME 5 | 335023 | 2017 | Wet | January |  | 107,412.0 | 107,406.3 | 5.8 | 0.0\% | 107,406.3 | 5.8 | 0.0\% | 107,406.3 | 5.8 | 0.0\% | 107,405.1 | 6.9 | 0.0\% | 107,405.1 | 6.9 | 0.0\% | 107,403.9 | 8.1 | 0.0\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flow Pumping (cfs) | Existing Conditions |  |  | 0\% Pumping |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water <br> Reach) |  |  | Note | Flow (cfs) |  | Flow Difference (cfs) | Percent Difference | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (cts) | $\begin{gathered} \text { Fifference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME5 | 335023 | 2017 | Wet |  | February |  | 82,135.4 | 82,130.8 | 4.6 | 0.0\% | 82,129.6 | 5.8 | 0.0\% | 82,129.6 | 5.8 | 0.0\% | 82,128.5 | 6.9 | 0.0\% | 82,128.5 | 6.9 | 0.0\% | 127.3 | 8.1 | 0.0\% |
| ME5 | 335023 | 2017 | Wet | March | - | 27,366.9 | 27,362.3 | 4.6 | 0.0\% | 27,362.3 | 4.6 | 0.0\% | 27,61.1 | 5.8 | 0.0\% | 27,661.1 | 5.8 | 0.0\% | 27,360.0 | 6.9 | 0.0\% | 27,360.0 | 6.9 | 0,0\% |
| ME5 5 | 335023 | 2017 | Wet | April | - | 23,035.9 | 23,032.4 | 3.5 | 0.0\% | 23,031.3 | 4.6 | 0.0\% | 23,031.3 | 4.6 | 0.0\% | 23,031.3 | 4.6 | 0.0\% | 23,030.1 | 5.8 | 0.0\% | 23,030.1 | 5.8 | 0.0\% |
| ME5 | 335023 | 2017 | Wet | May | - | 6,276.2 | 6,270.6 | 5.6 | 0.1\% | 6,270.0 | 6.1 | 0.1\% | 6,269.4 | 6.7 | 0.1\% | 6,268.9 | 7.3 | 0.1\% | 6,268.3 | 7.9 | 0.1\% | 6,267.7 | 8.4 | 0.1\% |
| ME 5 | 335023 | 2017 | Wet | June | - | 2,129.2 | 2,118.2 | 11.0 | 0.5\% | 2,117.1 | 12.0 | 0.6\% | 2,116.1 | 13.1 | 0.6\% | 2,114.9 | 14.2 | 0.7\% | 2,113.9 | 15.3 | 0.7\% | 2,112.7 | 16.4 | 0.8\% |
| ME5 | 335023 | 2017 | Wet | July | - | 942.0 | 930.0 | 12.0 | 1.3\% | 928.8 | 13.2 | 1.4\% | 927.6 | 14.4 | 1.5\% | 926.4 | 15.6 | 1.7\% | 925.2 | 16.8 | 1.8\% | 924.0 | 18.0 | 1.9\% |
| ME5 | 335023 | 2017 | Wet | August | -- | 514.3 | 502.5 | 11.7 | 2.3\% | 501.4 | 12.9 | 2.5\% | 500.2 | 14.1 | 2.7\% | 499.0 | 15.2 | 3.0\% | 497.9 | 16.4 | 3.2\% | 496.7 | 17.5 | 3.4\% |
| ME5 | 335023 | 2017 | Wet | September | Used in Summary Table Analysis | 329.3 | 318.4 | 10.8 | 3.3\% | 317.4 | 11.9 | 3.6\% | 316.3 | 13.0 | 4.0\% | 315.2 | 14.1 | 4.3\% | 314.1 | 15.2 | 4.6\% | 313.0 | 16.3 | 4.9\% |
| ME5 | 335023 | 2018 | Above Normal | October | Used in Summary Table Analysis | 282.0 | 274.2 | 7.8 | 2.8\% | 273.0 | 9.0 | 3.2\% | 272.0 | 10.0 | 3.5\% | 27.9 | 11.1 | 3.9\% | 269.9 | 12.1 | 4.3\% | 269.0 | 13.0 | 4.6\% |
| ME5 | 335023 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,905.6 | 10,898.8 | 6.7 | 0.1\% | 10,898.1 | 7.4 | 0.1\% | 10,897.5 | 8.1 | 0.1\% | 10,896.8 | 8.8 | 0.1\% | 10,896.1 | 9.5 | 0.1\% | 10,895.4 | 10.2 | 0.1\% |
| ME5 | 335023 | 2018 | Above Normal | December |  | 5,457.3 | 5,451.5 | 5.8 | 0.1\% | 5,450.9 | 6.4 | 0.1\% | 5,450.3 | 6.9 | 0.1\% | 5,449.8 | 7.5 | 0.1\% | 5,499.2 | 8.1 | 0.1\% | 5,448.6 | 8.7 | 0.2\% |
| ME5 | 335023 | 2018 | Above Normal | January | - | 17,975.7 | 17,971.1 | 4.6 | 0.0\% | 17,969.9 | 5.8 | 0.0\% | 17,969.9 | 5.8 | 0.0\% | 17,968.8 | 6.9 | 0.0\% | 17,968.8 | 6.9 | 0.0\% | 17,967.6 | 8.1 | 0.0\% |
| ME5 | 335023 | 2018 | Above Normal | February | - | 7,607.2 | 7,602.7 | 4.5 | 0.1\% | 7,602.1 | 5.1 | 0.1\% | 7,601.6 | 5.6 | 0.1\% | 7,601.2 | 6.0 | 0.1\% | 7,600.8 | 6.4 | 0.1\% | 7,600.2 | 6.9 | 0.1\% |
| ME5 | 335023 | 2018 | Above Normal | March | - | 20,825.2 | 20,821.8 | 3.5 | 0.0\% | 20,820.6 | 4.6 | 0.0\% | 20,820.6 | 4.6 | 0.0\% | 20,820.6 | 4.6 | 0.0\% | 20,819.4 | 5.8 | 0.0\% | 20,819.4 | 5.8 | 0.0\% |
| ME5 | 335023 | 2018 | Above Normal | April | - | 32,388.4 | 32,344.9 | 3.5 | 0.0\% | 32,343.8 | 4.6 | 0.0\% | 32,343.8 | 4.6 | 0.0\% | 32,342.6 | 5.8 | 0.0\% | 32,342.6 | 5.8 | 0.0\% | 32,342.6 | 5.8 | 0.0\% |
| ME5 | 335023 | 2018 | Above Normal | May | - | 6,993.6 | 6,985.1 | 8.6 | 0.1\% | 6,984.3 | 9.4 | 0.1\% | 6,983.3 | 10.3 | 0.1\% | 6,982.5 | 11.1 | 0.2\% | 6,981.7 | 11.9 | 0.2\% | 6,980.8 | 12.8 | 0.2\% |
| ME5 | 335023 | 2018 | Above Normal | June | - | 1,919.7 | 1,908.6 | 11.1 | 0.6\% | 1,907.4 | 12.3 | 0.6\% | 1,906.4 | 13.3 | 0.7\% | 1,905.2 | 14.5 | 0.8\% | 1,904.2 | 15.5 | 0.8\% | 1,903.0 | 16.7 | 0.9\% |
| ME5 | 335023 | 2018 | Above Normal | July | - | 787.8 | 775.8 | 12.1 | 1.5\% | 774.6 | 13.3 | 1.7\% | 773.4 | 14.5 | 1.8\% | 772.2 | 15.7 | 2.0\% | 771.0 | 16.9 | 2.1\% | 769.7 | 18.1 | 2.3\% |
| ME5 | 335023 | 2018 | Above Normal | August | -- | 449.1 | 437.8 | 11.3 | 2.5\% | 436.7 | 12.4 | 2.8\% | 435.6 | 13.5 | 3.0\% | 434.4 | 14.7 | 3.3\% | 433.3 | 15.8 | 3.5\% | 432.2 | 16.9 | 3.8\% |
| ME5 | 335023 | 2018 | Above Normal | September | Used in Summary Table Analysis | 306.1 | 295.2 | 10.8 | 3.5\% | 294.1 | 11.9 | 3.9\% | 293.1 | 13.0 | 4.2\% | 292.0 | 14.1 | 4.6\% | 290.9 | 15.2 | 5.0\% | 289.8 | 16.3 | 5.3\% |
| ME5 | 335023 | 2019 | Below Normal | October | Used in Summary Table Analysis | 212.8 | 204.2 | 8.5 | 4.0\% | 203.3 | 9.4 | 4.4\% | 202.5 | 10.2 | 4.8\% | 201.6 | 11.1 | 5.2\% | 200.9 | 11.9 | 5.6\% | 200.0 | 12.8 | 6.0\% |
| ME5 | 335023 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,698.8 | 6,692.0 | 6.8 | 0.1\% | 6,691.3 | 7.5 | 0.1\% | 6,690.6 | 8.2 | 0.1\% | 6,689.9 | 8.9 | 0.1\% | 6,689.2 | 9.6 | 0.1\% | 6,688.5 | 10.3 | 0.2\% |
| ME5 | 335023 | 2019 | Below Normal | December | - | 14,792.8 | 14,787.0 | 5.8 | 0.0\% | 14,785.9 | 6.9 | 0.0\% | 14,785.9 | 6.9 | 0.0\% | 14,784.7 | 8.1 | 0.1\% | 14,784.7 | 8.1 | 0.1\% | 14,783.6 | 9.3 | 0.1\% |
| ME5 | 335023 | 2019 | Below Normal | January | - | 35,476.9 | 35,471.1 | 5.8 | 0.0\% | 35,471.1 | 5.8 | 0.0\% | 35,469.9 | 6.9 | 0.0\% | 35,469.9 | 6.9 | 0.0\% | 35,468.8 | 8.1 | 0.0\% | 35,468.8 | 8.1 | 0.0\% |
| ME5 | 335023 | 2019 | Below Normal | February | -- | 142,199.1 | 142,187.5 | 11.6 | 0.0\% | 142,187.5 | 11.6 | 0.0\% | 142,187,5 | 11.6 | 0.0\% | 142,187.5 | 11.6 | 0.0\% | 142,187.5 | 11.6 | 0.0\% | 142,187.5 | 11.6 | 0.0\% |
| ME5 | 335023 | 2019 | Below Normal | March | - | 42,459.5 | 42,454.9 | 4.6 | 0.0\% | 42,454.9 | 4.6 | 0.0\% | 42,453.7 | 5.8 | 0.0\% | 42,453.7 | 5.8 | 0.0\% | 42,452.5 | 6.9 | 0.0\% | 42,452.5 | 6.9 | 0.0\% |
| ME5 | 335023 | 2019 | Below Normal | April | - | 15,311.3 | 15,307.9 | 3.5 | 0.0\% | 15,306.7 | 4.6 | 0.0\% | 15,306.7 | 4.6 | 0.0\% | 15,306.7 | 4.6 | 0.0\% | 15,305.6 | 5.8 | 0.0\% | 15,305.6 | 5.8 | 0.0\% |
| ME5 | 335023 | 2019 | Below Normal | May | - | 17,135.4 | 17,126.2 | 9.3 | 0.1\% | 17,126.2 | 9.3 | 0.1\% | 17,125.0 | 10.4 | 0.1\% | 17,123.8 | 11.6 | 0.1\% | 17,122.7 | 12.7 | 0.1\% | 17,121.5 | 13.9 | 0.1\% |
| ME5 | 335023 | 2019 | Below Normal | June | - | 4,243.4 | 4,231.5 | 11.9 | 0.3\% | 4,230.3 | 13.1 | 0.3\% | 4,229.2 | 14.2 | 0.3\% | 4,227.9 | 15.5 | 0.4\% | 4,226.7 | 16.7 | 0.4\% | 4,225.5 | 17.9 | 0.4\% |
| ME5 | 335023 | 2019 | Below Normal | July | - | 1,369.0 | 1,356.9 | 12.0 | 0.9\% | 1,355.7 | 13.3 | 1.0\% | 1,354.5 | 14.5 | 1.1\% | 1,353.2 | 15.7 | 1.1\% | 1,352.1 | 16.9 | 1.2\% | 1,350.8 | 18.2 | 1.3\% |
| ME5 | 335023 | 2019 | Below Normal | August | - | 603.8 | 592.3 | 11.6 | 1.9\% | 591.1 | 12.7 | 2.1\% | 590.0 | 13.9 | 2.3\% | 588.8 | 15.0 | 2.5\% | 587.6 | 16.2 | 2.7\% | 586.5 | 17.4 | 2.9\% |
| ME5 | 335023 | 2019 | Below Normal | September | Used in Summary Table Analysis | 469.1 | 458.3 | 10.8 | 2.3\% | 457.2 | 11.9 | 2.5\% | 456.1 | 13.0 | 2.8\% | 455.0 | 14.0 | 3.0\% | 453.9 | 15.1 | 3.2\% | 452.8 | 16.2 | 3.5\% |
| ME5 | 335023 | 2020 | Dry | October | Used in Summary Table Analysis | 360.8 | ${ }^{352.6}$ | 8.2 | 2.3\% | 351.8 | 9.0 | 2.5\% | 351.0 | 9.8 | 2.7\% | 350.1 | 10.6 | 2.9\% | 349.3 | 11.5 | 3.2\% | 348.5 | 12.3 | 3.4\% |
| ME5 | 335023 | 2020 | Dry | November | Used in Summary Table Analysis | 329.1 | 322.7 | 6.4 | 1.9\% | 322.1 | 7.1 | 2.1\% | 321.4 | 7.7 | 2.3\% | 320.8 | 8.4 | 2.5\% | 320.1 | 9.0 | 2.7\% | 319.4 | 9.7 | 2.9\% |
| ME5 | 335023 | 2020 | Dry | December |  | 13,469.9 | 13,464.1 | 5.8 | 0.0\% | 13,464.1 | 5.8 | 0.0\% | 13,463.0 | 6.9 | 0.1\% | 13,463.0 | 6.9 | 0.1\% | 13,461.8 | 8.1 | 0.1\% | 13,461.8 | 8.1 | 0.1\% |
| ME5 | 335023 | 2020 | Dry | January | - | 22,475.7 | 22,469.9 | 5.8 | 0.0\% | 22,469.9 | 5.8 | 0.0\% | 22,468.8 | 6.9 | 0.0\% | 22,468.8 | 6.9 | 0.0\% | 22,467.6 | 8.1 | 0.0\% | 22,467.6 | 8.1 | 0.0\% |
| ME5 | 335023 | 2020 | Dry | February | -- | 7,421.1 | 7,416.4 | 4.6 | 0.1\% | 7,416.0 | 5.1 | 0.1\% | 7,415.4 | 5.7 | 0.1\% | 7,414.9 | 6.1 | 0.1\% | 7,414.5 | 6.6 | 0.1\% | 7,414.0 | 7.1 | 0.1\% |
| ME5 | 335023 | 2020 | Dry | March | - | 7,270.9 | 7,266.6 | 4.4 | 0.1\% | 7,266.1 | 4.9 | 0.1\% | 7,265.6 | 5.3 | 0.1\% | 7,265.2 | 5.8 | 0.1\% | 7,264.7 | ${ }_{6}^{6.3}$ | 0.1\% | 7,264.4 | ${ }^{6.6}$ | 0.1\% |
| ME5 | 335023 | 2020 | Dry | April |  | 5,512.4 | 5,503.4 | 9.0 | 0.2\% | 5,502.5 | 9.8 | 0.2\% | 5,501.6 | 10.8 | 0.2\% | 5,500.7 | 11.7 | 0.2\% | 5,499.8 | 12.6 | 0.2\% | 5,498.8 | 13.5 | 0.2\% |
| ME5 | 335023 | 2020 | Dry | May | - | 7,414.7 | 7,403.9 | 10.8 | 0.1\% | 7,402.8 | 11.9 | 0.2\% | 7,401.7 | 13.0 | 0.2\% | 7,400.7 | 14.0 | 0.2\% | 7,399.5 | 15.2 | 0.2\% | 7,398.5 | 16.2 | 0.2\% |
| ME5 | 335023 | 2020 | Dry | June | - | 2,106.1 | 2,091.9 | 14.2 | 0.7\% | 2,090.5 | 15.6 | 0.7\% | 2,089.1 | 17.0 | 0.8\% | 2,087.6 | 18.5 | 0.9\% | 2,086.2 | 19.9 | 0.9\% | 2,084.8 | 21.3 | 1.0\% |
| ME 5 | 335023 | 2020 | Dry | July | - | 801.3 | 787.2 | 14.1 | 1.8\% | 785.8 | 15.5 | 1.9\% | 784.4 | 16.9 | 2.1\% | 783.0 | 18.3 | 2.3\% | 781.6 | 19.7 | 2.5\% | 780.2 | 21.1 | 2.6\% |
| ME5 | 335023 | 2020 | Dry | August | - | 404.4 | 390.4 | 13.9 | 3.4\% | 389.1 | 15.3 | 3.8\% | 387.7 | 16.7 | 4.1\% | 386.3 | 18.1 | 4.5\% | 384.9 | 19.5 | 4.8\% | 383.5 | 20.9 | 5.2\% |
| ME5 | 335023 | 2020 | Dry | September | Used in Summary Table Analysis | 253.7 | 241.1 | 12.5 | 4.9\% | 239.9 | 13.8 | 5.4\% | 238.6 | 15.0 | 5.9\% | 237.4 | 16.3 | 6.4\% | 236.1 | 17.5 | 6.9\% | 234.9 | 18.8 | 7.4\% |
| ME5 | 325024 <br> 325024 | 2000 | Above Normal | October | Used in Summary Table Analysis | 825.8 <br> 122674 | 817.1 12260.4 | 8.7 68 | 1.1\% | 816.2 12.2593 | 9.5 81 | 1.2\% | 815.4 12, 259 | 10.4 | 1.3\% |  | ${ }_{9}^{11.3}$ | 1.4\% | $\begin{array}{r}813.6 \\ \hline 12.258 .1\end{array}$ | 12.2 | ${ }^{1.5 \%}$ | 812.8 12.2569 | 13.0 | 1.6\% |
| ME5 | 325024 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,267.4 | 12,260.4 | 6.9 | 0.1\% | 12,259.3 | 8.1 | 0.1\% | 12,259.3 | 8.1 | 0.1\% | 12,258.1 | 9.3 | 0.1\% | 12,258.1 | ${ }^{9.3}$ | 0.1\% | 12,256.9 | 10.4 | 0.1\% |
| ME5 | 325024 325024 | 2000 2000 | Above Normal Above Normal | December | -- | $10,890.3$ <br> 28825.2 <br> 3,283 | $10,884.5$ 28819.4 | 5.8 5.8 | $0.1 \%$ $0.0 \%$ | $10,883.8$ 28819.4 2, | 6.5 5.8 5 | 0.1\% $0.0 \%$ 0 | $10,883.2$ 28818.3 | 7.1 6.9 | $0.1 \%$ $0.0 \%$ 0 | $10,882.6$ 288818 | 7.6 6.9 | 0.1\% $0.0 \%$ 0 | $10,882.1$ 288171 | 8.2 8.1 | 0.1\% $0.0 \%$ 0 | $10,881.5$ 288171 | 8.8 8.1 | 0.1\% $0.0 \%$ 0 |
| ME5 | 325024 325024 | 2000 | Above Normal Above Normal | January |  | $28,825.2$ $37,203.7$ | 28,819.4 $37,199.1$ | 5.8 4.6 | -0.0\% | 28,819.4 $37,197.9$ | 5.8 5.8 | - $0.0 \%$ | $28,818.3$ $37,197.9$ | 6.9 5.8 | - $0.0 \%$ | $28,818.3$ $37,196.8$ | 6.9 6.9 | 0.0\% | 28,877.1 $37,196.8$ | 8.1 6.9 | -0.0\% | 28,877.1 $37,196.8$ | 8.1 6.9 | - $0.0 \%$ |
| ME5 | 325024 | 2000 | Above Normal | March | -- | 18,366.9 | 18,362.3 | 4.6 | 0.0\% | 18,362.3 | 4.6 | 0.0\% | 18,361.1 | 5.8 | 0.0\% | 18,361.1 | 5.8 | 0.0\% | 18,360.0 | 6.9 | 0.0\% | 18,360.0 | 6.9 | 0.0\% |
| ME5 | 325024 | 2000 | Above Normal | April | - | 12,353.0 | 12,349.5 | 3.5 | 0.0\% | 12,388.4 | 4.6 | 0.0\% | 12,348.4 | 4.6 | 0.0\% | 12,347.2 | 5.8 | 0.0\% | 12,347.2 | 5.8 | 0.0\% | 12,347.2 | 5.8 | 0.0\% |
| ME5 | 325024 | 2000 | Above Normal | May | - | 7,127.2 | 7,118.4 | 8.8 | 0.1\% | 7,117.6 | 9.6 | 0.1\% | 7,116.7 | 10.5 | 0.1\% | 7,115.7 | 11.5 | 0.2\% | 7,114.9 | 12.3 | 0.2\% | 7,114.0 | 13.2 | 0.2\% |
| ME5 | 325024 | 2000 | Above Normal | June | - | 2,624.7 | 2,611.5 | 13.2 | 0.5\% | 2,610.2 | 14.5 | 0.6\% | 2,608.8 | 15.9 | 0.6\% | 2,607.5 | 17.1 | 0.7\% | 2,606.3 | 18.4 | 0.7\% | 2,604.9 | 19.8 | 0.8\% |
| ME5 | 325024 | 2000 | Above Normal | July | - | 998.6 | 986.5 | 12.1 | 1.2\% | 985.3 | 13.4 | 1.3\% | 984.1 | 14.6 | 1.5\% | 982.9 | 15.8 | 1.6\% | 981.7 | 17.0 | 1.7\% | 980.4 | 18.2 | 1.8\% |
| ME5 | 325024 | 2000 | Above Normal | August | -- | 529.1 | 517.6 | 11.5 | 2.2\% | 516.5 | 12.6 | 2.4\% | 515.3 | 13.8 | 2.6\% | 514.2 | 14.9 | 2.8\% | 513.1 | 16.1 | 3.0\% | 511.9 | 17.2 | 3.3\% |
| ME5 | 325024 | 2000 | Above Normal | September | Used in Summary Table Analysis | 301.7 | 291.5 | 10.2 | 3.4\% | 290.4 | 11.3 | 3.7\% | 289.4 | 12.3 | 4.1\% | 288.4 | 13.3 | 4.4\% | 287.4 | 14.3 | 4.7\% | 286.3 | 15.4 | 5.1\% |
| ME5 | 325024 | 2001 | Dry | October | Used in Summary Table Analysis | 3,850.7 | 3,842.1 | 8.6 | 0.2\% | 3,841.3 | 9.4 | 0.2\% | 3,840.4 | 10.3 | 0.3\% | 3,839.6 | 11.1 | 0.3\% | 3,838.8 | 11.9 | 0.3\% | 3,837.8 | 12.8 | 0.3\% |
| ME5 | 325024 | 2001 | Dry | November | Used in Summary Table Analysis | 6,180.8 | 6,174.0 | ${ }^{6.8}$ | 0.1\% | 6,173.3 | 7.5 | 0.1\% | 6,172.6 | 8.2 | 0.1\% | 6,171.9 | 8.9 | 0.1\% | ${ }_{\text {6,711.2 }}$ | 9.6 8 | 0.2\% | 6,170.5 | 10.3 | 0.2\% |
| ME5 | 325024 | 2001 | Dry | December | - | 8,895.4 | 8,889.5 | 5.9 | 0.1\% | 8,888.9 | 6.5 | 0.1\% | 8,888.3 | 7.1 | 0.1\% | 8,887.7 | 7.6 | 0.1\% | 8,887.2 | 8.2 | 0.1\% | 8,886.5 | 8.9 | 0.1\% |
| ME5 | 325024 <br> 325024 | 2001 | Dry | January | - |  | $12,893.5$ <br> 17534 <br> 12375 | 4.6 4.6 | 0.0\% | $12,892.4$ 17534.7 12, | 5.8 4.6 | 0.0\% | $12,892.4$ 175336 | 5.8 5 5 | 0.0\% | $12,892.4$ 175336 | 5.8 58 | 0.0\% | $12,891.2$ <br> 175336 <br> 12,582 | 6.9 58 | 0.1\% | $12,891.2$ 17532.4 12,252 | ${ }_{6}^{6.9}$ | 0.1\% |
| ME 5 ME 5 | 325024 <br> 325024 | 2001 | Dry Dry | February March | $\cdots$ | $17,539.4$ $12,332.2$ | $17,534.7$ $12,327.5$ | 4.6 4.6 | 0.0\% | $17,534.7$ $12,327.5$ | 4.6 4.6 | 0.0\% | $177,533.6$ $12,326.4$ | 5.8 5.8 | - $0.0 \%$ | $17,533.6$ $12,326.4$ | 5.8 5.8 | 0.0\% | $17,533.6$ $12,355.2$ | 5.8 6.9 | 0.0\% | $177,532.4$ $12,325.2$ | 6.9 6.9 | - |
| me 5 | 325024 | 2001 | Dry | April | - | 11,008.8 | 10,999.7 | 9.1 | 0.1\% | 10,998.8 | 10.0 | 0.1\% | 10,997.9 | 10.9 | 0.1\% | 10,997.0 | 11.8 | 0.1\% | 10,996, 1 | 12.7 | 0.1\% | 10,995.1 | 13.7 | 0.1\% |
| ME5 | 325024 | 2001 | Dry | May | - | 2,638.5 | 2,627.8 | 10.8 | 0.4\% | 2,626.6 | 11.9 | 0.5\% | 2,625.6 | 13.0 | 0.5\% | 2,624.5 | 14.0 | 0.5\% | 2,623.5 | 15.0 | 0.6\% | 2,622.3 | 16.2 | 0.6\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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At Surface Water Depletion Locations of interest
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|  | Model Cell (Row, Column, Surface Wate Reach) | Water Year Water Year Type |  |  |  |  | Existing Conditions |  |  | 10\% Pumping Increase |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest |  |  |  | Month | Note | Without Pumping <br> (cfs) | Flow (fts) | $\begin{aligned} & \text { Fiow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cts) | Flow Difference <br> (cfs) | Percent Difference | Flow (ffs) | $\underset{\substack{\text { Fiflew } \\ \text { Difercee } \\ \text { (cts) }}}{\text { cosen }}$ | Percent Difference | Flow (cts) | $\begin{aligned} & \text { Fiffow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference |
| ME 5 | 325024 | 2012 | Below Normal | February | -- | 18,269.7 | 18,265.0 | 4.6 | 0.0\% | 18,263.9 | 5.8 | 0.0\% | 18,263.9 | 5.8 | 0.0\% | 18,262.7 | 6.9 | 0.0\% | 18,262.7 | 6.9 | 0.0\% | 18,261.6 | 8.1 | 0.0\% |
| ME5 | 325024 | 2012 | Below Normal | March | -- | 45,657.4 | 45,652.8 | 4.6 | 0.0\% | 45,651.6 | 5.8 | 0.0\% | 45,651.6 | 5.8 | 0.0\% | 45,650.5 | 6.9 | 0.0\% | 45,650.5 | 6.9 | 0.0\% | 45,649.3 | 8.1 | 0.0\% |
| ME5 | 325024 | 2012 | Below Normal | April | - | 26,943.3 | 26,938.7 | 4.6 | 0.0\% | 26,938.7 | 4.6 | 0.0\% | 26,937.5 | 5.8 | 0.0\% | 26,937.5 | 5.8 | 0.0\% | 26,936,3 | 6.9 | 0.0\% | 26,936.3 | 6.9 | 0.0\% |
| ME5 | 325024 | 2012 | Below Normal | May | - | 7,503.2 | 7,494.2 | 9.0 | 0.1\% | 7,493.3 | 10.0 | 0.1\% | 7,492.4 | 10.9 | 0.1\% | 7,491.6 | 11.7 | 0.2\% | 7,490.6 | 12.6 | 0.2\% | 7,489.8 | 13.4 | 0.2\% |
| ME5 | 325024 | 2012 | Below Normal | June | - | 5,548.6 | 5,534.8 | 13.8 | 0.2\% | 5,533.4 | 15.2 | 0.3\% | 5,532.1 | 16.6 | 0.3\% | 5,530.7 | 17.9 | 0.3\% | 5,529.4 | 19.2 | 0.3\% | 5,528.0 | 20.6 | 0.4\% |
| ME5 | 325024 | 2012 | Below Normal | July | - | 2,244.7 | 2,231.5 | 13.2 | 0.6\% | 2,230.2 | 14.5 | 0.6\% | 2,228.8 | 15.9 | 0.7\% | 2,227.5 | 17.1 | 0.8\% | 2,226.3 | 18.4 | 0.8\% | 2,224.9 | 19.8 | 0.9\% |
| ME 5 | 325024 | 2012 | Below Normal | August | - | 393.8 | 383.0 | 10.8 | 2.7\% | 381.9 | 11.9 | 3.0\% | 380.9 | 12.9 | 3.3\% | 379.8 | 14.0 | 3.6\% | 378.7 | 15.0 | 3.8\% | 377.7 | 16.1 | 4.1\% |
| ME5 | 325024 | 2012 | Below Normal | September | Used in Summary Table Analysis | 255.8 | 246.2 | 9.6 | 3.8\% | 245.2 | 10.6 | 4.1\% | 244.2 | 11.6 | 4.5\% | 243.3 | 12.5 | 4.9\% | 242.3 | ${ }^{13.5}$ | 5.3\% | 241.3 | 14.4 | 5.6\% |
| ME5 | 325024 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,935.0 | 1,926.5 | 8.4 | 0.4\% | 1,925.7 | 9.3 | 0.5\% | 1,924.8 | 10.2 | 0.5\% | 1,924.0 | 11.0 | 0.6\% | 1,923.1 | 11.8 | 0.6\% | 1,922.2 | 12.7 | 0.7\% |
| ME5 | 325024 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,811.3 | 14,805.6 | 5.8 | 0.0\% | 14,804.4 | 6.9 | 0.0\% | 14,804.4 | 6.9 | 0.0\% | 14,803.2 | 8.1 | 0.1\% | 14,802.1 | 9.3 | 0.1\% | 14,802.1 | 9.3 | 0.1\% |
| ME5 | 325024 | 2013 | Below Normal | December | -- | 60,273.1 | 60,266.2 | 6.9 | 0.0\% | 60,266.2 | 6.9 | 0.0\% | 60,265.0 | 8.1 | 0.0\% | 60,265.0 | 8.1 | 0.0\% | 60,263,9 | 9.3 | 0.0\% | 60,262.7 | 10.4 | 0.0\% |
| ME5 | 325024 | 2013 | Below Normal | January | - | 22,282.4 | 22,276.6 | 5.8 | 0.0\% | 22,276.6 | 5.8 | 0.0\% | 22,276.6 | 5.8 | 0.0\% | 22,275.5 | 6.9 | 0.0\% | 22,275.5 | 6.9 | 0.0\% | 22,274.3 | 8.1 | 0.0\% |
| ME5 | 325024 | 2013 | Below Normal | February |  | 8,884.1 | 8,879.4 | 4.7 | 0.1\% | 8,878.9 | 5.2 | 0.1\% | 8,878.4 | 5.8 | 0.1\% | 8,877.9 | 6.3 | 0.1\% | 8,877.4 | 6.7 | 0.1\% | 8,877.0 | 7.2 | 0.1\% |
| ME5 | 325024 | 2013 | Below Normal | March | - | 10,389.2 | 10,384,6 | 4.6 | 0.0\% | 10,384.1 | 5.1 | 0.0\% | 10,383.7 | 5.6 | 0.1\% | 10,383.2 | 6.0 | 0.1\% | 10,382.8 | 6.5 | 0.1\% | 10,382.3 | 6.9 | 0.1\% |
| ME5 | 325024 | 2013 | Below Normal | April | -- | 8,309.3 | 8,300.6 | 8.7 | 0.1\% | 8,299.8 | 9.5 | 0.1\% | 8,299.0 | 10.3 | 0.1\% | 8,298.0 | 11.2 | 0.1\% | 8,297.2 | 12.0 | 0.1\% | 8,296.3 | 13.0 | 0.2\% |
| ME5 | 325024 | 2013 | Below Normal | May | - | 4,454.5 | 4,444.1 | 10.4 | 0.2\% | 4,443.1 | 11.5 | 0.3\% | 4,442.0 | 12.5 | 0.3\% | 4,441.0 | 13.5 | 0.3\% | 4,439.9 | 14.6 | 0.3\% | 4,438.9 | 15.6 | 0.4\% |
| ME5 | 325024 | 2013 | Below Normal | June | - | 2,119.0 | 2,106.4 | 12.6 | 0.6\% | 2,105.2 | 13.8 | 0.6\% | 2,103.9 | 15.0 | 0.7\% | 2,102.7 | 16.3 | 0.8\% | 2,101.4 | 17.6 | 0.8\% | 2,100.2 | 18.8 | 0.9\% |
| ME5 | 325024 | 2013 | Below Normal | July | - | 722.6 | 710.3 | 12.3 | 1.7\% | 709.1 | 13.5 | 1.9\% | 707.8 | 14.8 | 2.0\% | 70.6 | 16.0 | 2.2\% | 705.4 | 17.2 | 2.4\% | 704.2 | 18.4 | 2.6\% |
| ME5 | 325024 | 2013 | Below Normal | August | -- | 346.2 | 334.6 | 11.6 | 3.3\% | 333.4 | 12.7 | 3.7\% | 332.3 | 13.9 | 4.0\% | 331.1 | 15.1 | 4.3\% | 330.0 | 16.2 | 4.7\% | 328.8 | 17.4 | 5.0\% |
| ME5 | 325024 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,821.5 | 4,809.5 | 12.0 | 0.2\% | 4,808.3 | 13.2 | 0.3\% | 4,807.1 | 14.5 | 0.3\% | 4,805.9 | 15.6 | 0.3\% | 4,804.6 | 16.9 | 0.4\% | 4,803.5 | 18.1 | 0.4\% |
| ME5 | 325024 | 2014 | Critical | October | Used in Summary Table Analysis | 282.9 | 274.1 | 8.9 | 3.1\% | 273.2 | 9.8 | 3.4\% | 272.3 | 10.6 | 3.8\% | 271.4 | 11.5 | 4.1\% | 270.5 | 12.4 | 4.4\% | 269.7 | 13.3 | 4.7\% |
| ME5 | 325024 | 2014 | Critical | November | Used in Summary Table Analysis | 1,557.4 | 1,550.2 | 7.2 | 0.5\% | 1,549.5 | 7.9 | 0.5\% | 1,548.8 | 8.6 | 0.5\% | 1,548.1 | 9.3 | 0.6\% | 1,547.5 | 10.0 | 0.6\% | 1,546.6 | 10.8 | 0.7\% |
| ME5 | 325024 | 2014 | Critical | December | -- | 1,601.6 | 1,595.4 | 6.3 | 0.4\% | 1,594.8 | 6.8 | 0.4\% | 1,594.1 | 7.5 | 0.5\% | 1,593.5 | 8.1 | 0.5\% | 1,592.9 | 8.7 | 0.5\% | 1,592.2 | 9.4 | 0.6\% |
| ME5 | 325024 | 2014 | Critical | January |  | 2,841.3 | 2,835.9 | 5.4 | 0.2\% | 2,835.3 | 6.0 | 0.2\% | 2,834.7 | 6.6 | 0.2\% | 2,834.1 | 7.2 | 0.3\% | 2,833.7 | 7.6 | 0.3\% | 2,833.1 | 8.2 | 0.3\% |
| ME5 | 325024 | 2014 | Critical | February | -- | 15,810.2 | 15,804.4 | 5.8 | 0.0\% | 15,804.4 | 5.8 | 0.0\% | 15,803.2 | 6.9 | 0.0\% | 15,803.2 | 6.9 | 0.0\% | 15,803.2 | 6.9 | 0.0\% | 15,802.1 | 8.1 | 0.1\% |
| ME5 | 325024 | 2014 | Critical | March |  | 31,559.0 | 31,554.4 | 4.6 | 0.0\% | 31,553.2 | 5.8 | 0.0\% | 31,553.2 | 5.8 | 0.0\% | 31,552.1 | 6.9 | 0.0\% | 31,552.1 | 6.9 | 0.0\% | 31,552.1 | 6.9 | 0.0\% |
| ME5 | 325024 | 2014 | Critical | April | - | 13,015.0 | 13,005.8 | 9.3 | 0.1\% | 13,004.6 | 10.4 | 0.1\% | 13,003.5 | 11.6 | 0.1\% | 13,002.3 | 12.7 | 0.1\% | 13,002.3 | 12.7 | 0.1\% | 13,001.2 | 13.9 | 0.1\% |
| ME5 | 325024 | 2014 | Critical | May | - | 5,204.1 | 5,193.2 | 10.9 | 0.2\% | 5,192.0 | 12.0 | 0.2\% | 5,191.0 | 13.1 | 0.3\% | 5,189.8 | 14.2 | 0.3\% | 5,188.8 | 15.3 | 0.3\% | 5,187.6 | 16.4 | 0.3\% |
| ME5 | 325024 | 2014 | Critical | June | - | 1,205.1 | 1,190.0 | 15.0 | 1.2\% | 1,188.5 | 16.6 | 1.4\% | 1,187.0 | 18.1 | 1.5\% | 1,185.5 | 19.6 | 1.6\% | 1,184.0 | 21.1 | 1.7\% | 1,182.5 | 22.6 | 1.9\% |
| ME5 | 325024 | 2014 | Critical | July | - | 550.9 | 536.9 | 14.1 | 2.6\% | 535.5 | 15.5 | 2.8\% | 534.1 | 16.9 | 3.1\% | 532.7 | 18.3 | 3.3\% | 531.3 | 19.7 | 3.6\% | 529.9 | 21.1 | 3.8\% |
| ME5 | 325024 | 2014 | Critical | August | -- | 354.2 | 340.7 | 13.5 | 3.8\% | 339.3 | 14.8 | 4.2\% | 338.0 | 16.2 | 4.6\% | 336.6 | 17.5 | 5.0\% | 335.3 | 18.9 | 5.3\% | 333.9 | 20.2 | 5.7\% |
| ME5 | 325024 | 2014 | Critical | September | Used in Summary Table Analysis | 2,591.1 | 2,577.8 | 13.3 | 0.5\% | 2,576.5 | 14.6 | 0.6\% | 2,575.1 | 16.0 | 0.6\% | 2,573.8 | 17.2 | 0.7\% | 2,572.5 | 18.6 | 0.7\% | 2,571.2 | 19.9 | 0.8\% |
| me5 | 325024 | 2015 | Dry | October | Used in Summary Table Analysis | 11,425.7 | 11,415.4 | 10.3 | 0.1\% | 11,414.5 | 11.2 | 0.1\% | 11,413.4 | 12.3 | 0.1\% | 11,411.7 | 14.0 | 0.1\% | 11,410.8 | 14.9 | 0.1\% | 11,409.7 | 16.0 | 0.1\% |
| ME5 | 325024 | 2015 | Dry | November | Used in Summary Table Analysis | 9,105.7 | 9,097.8 | 7.9 | 0.1\% | 9,097.0 | 8.7 | 0.1\% | 9,096.2 | 9.5 | 0.1\% | 9,095.4 | 10.3 | 0.1\% | 9,094.6 | 11.1 | 0.1\% | 9,093.8 | 11.9 | 0.1\% |
| ME5 | 325024 | 2015 | Dry | December |  | 32,868.1 | 32,861.1 | 6.9 | 0.0\% | 32,860.0 | 8.1 | 0.0\% | 32,860.0 | 8.1 | 0.0\% | 32,858.8 | 9.3 | 0.0\% | 32,857.6 | 10.4 | 0.0\% | 32,857.6 | 10.4 | 0.0\% |
| ME5 | 325024 | 2015 | Dry | January | - | 14,615,7 | 14,608.8 | 6.9 | 0.0\% | 14,608.8 | 6.9 | 0.0\% | 14,607.6 | 8.1 | 0.1\% | 14,607.6 | 8.1 | 0.1\% | 14,606.5 | 9.3 | 0.1\% | 14,606.5 | 9.3 | 0.1\% |
| ME5 | 325024 | 2015 | Dry | February | - | 27,332.2 | 27,327.5 | 4.6 | 0.0\% | 27,326.4 | 5.8 | 0.0\% | 27,326.4 | 5.8 | 0.0\% | 27,35.2 | 6.9 | 0.0\% | 27,325.2 | 6.9 | 0.0\% | 27,324.1 | 8.1 | 0.0\% |
| ME5 | 325024 | 2015 | Dry | March |  | 11,593.8 | 11,589.1 | 4.6 | 0.0\% | 11,589.1 | 4.6 | 0.0\% | 11,588.0 | 5.8 | 0.0\% | 11,588.0 | 5.8 | 0.0\% | 11,586.8 | 6.9 | 0.1\% | 11,586.8 | 6.9 | 0.1\% |
| ME5 | 325024 | 2015 | Dry | April | -- | 8,451.3 | 8,442.1 | 9.1 | 0.1\% | 8,441.2 | 10.1 | 0.1\% | 8,440.3 | 11.0 | 0.1\% | 8,439.4 | 11.9 | 0.1\% | 8,438.4 | 12.8 | 0.2\% | 8,437.5 | 13.8 | 0.2\% |
| ME5 | 325024 | 2015 | Dry | May | - | 1,511.2 | 1,500.5 | 10.8 | 0.7\% | 1,499.4 | 11.8 | 0.8\% | 1,498.3 | 13.0 | 0.9\% | 1,497.2 | 14.0 | 0.9\% | 1,496.2 | 15.0 | 1.0\% | 1,495.0 | 16.2 | 1.1\% |
| ME5 | 325024 | 2015 | Dry | June | - | 656.8 | 642.8 | 14.0 | 2.1\% | 641.4 | 15.4 | 2.3\% | 640.0 | 16.8 | 2.6\% | 638.6 | 18.2 | 2.8\% | 637.2 | 19.6 | 3.0\% | 635.8 | 21.0 | 3.2\% |
| ME5 | 325024 | 2015 | Dry | July | - | 273.3 | 259.4 | 13.9 | 5.1\% | 258.0 | 15.2 | 5.6\% | 256.6 | 16.6 | 6.1\% | 255.3 | 18.0 | 6.6\% | 253.9 | 19.4 | 7.1\% | 252.5 | 20.8 | 7.6\% |
| ME5 | 325024 | 2015 | Dry | August | -- | 172.2 | 158.8 | 13.4 | 7.8\% | 157.4 | 14.8 | 8.6\% | 156.1 | 16.1 | 9.4\% | 154.7 | 17.5 | 10.1\% | 153.4 | 18.8 | 10.9\% | 15.0 | 20.2 | 11.7\% |
| ME5 | 325024 | 2015 | Dry | September | Used in Summary Table Analysis | 125.7 | 113.6 | 12.1 | 9.6\% | 112.4 | 13.3 | 10.6\% | 111.2 | 14.5 | 11.5\% | 110.0 | 15.8 | 12.5\% | 108.7 | 17.0 | 13.5\% | 107.5 | 18.2 | 14.5\% |
| ME5 | 325024 | 2016 | Above Normal | October | Used in Summary Table Analysis | 90.8 | 80.5 | 10.3 | 11.3\% | 79.4 | 11.4 | 12.5\% | 78.4 | 12.4 | 13.7\% | 77.9 | 12.9 | 14.2\% | 77.0 | 13.8 | 15.2\% | 75.6 | 15.2 | 16.8\% |
| ME5 | 325024 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,924.8 | 3,916.8 | 8.0 | 0.2\% | 3,916.0 | 8.8 | 0.2\% | 3,915.2 | 9.6 | 0.2\% | 3,914.4 | 10.4 | 0.3\% | 3,913.4 | 11.3 | 0.3\% | 3,912.6 | 12.2 | 0.3\% |
| ME5 | 325024 | 2016 | Above Normal | December | -- | 36,913.2 | 36,906.3 | 6.9 | 0.0\% | 36,905.1 | 8.1 | 0.0\% | 36,905.1 | 8.1 | 0.0\% | 36,903.9 | 9.3 | 0.0\% | 36,902.8 | 10.4 | 0.0\% | 36,902.8 | 10.4 | 0.0\% |
| ME5 | 325024 | 2016 | Above Normal | January | - | 57,62.7 | 57,615.7 | 6.9 | 0.0\% | 57,615.7 | 6.9 | 0.0\% | 57,614.6 | 8.1 | 0.0\% | 57,613.4 | 9.3 | 0.0\% | 57,613.4 | 9.3 | 0.0\% | 57,612.3 | 10.4 | 0.0\% |
| ME5 | 325024 | 2016 | Above Normal | February | -- | 24,317.1 | 24,312.5 | 4.6 | 0.0\% | 24,311.3 | 5.8 | 0.0\% | 24,311.3 | 5.8 | 0.0\% | 24,310.2 | 6.9 | 0.0\% | 24,310.2 | 6.9 | 0.0\% | 24,309.0 | 8.1 | 0.0\% |
| ME5 | 325024 | 2016 | Above Normal | March | -- | 41,919.0 | 41,914.4 | 4.6 | 0.0\% | 41,914.4 | 4.6 | 0.0\% | 41,913.2 | 5.8 | 0.0\% | 41,913.2 | 5.8 | 0.0\% | 41,912.0 | 6.9 | 0.0\% | 41,912.0 | 6.9 | 0.0\% |
| ME5 | 325024 | 2016 | Above Normal | April | - | 18,576.4 | 18,571.8 | 4.6 | 0.0\% | 18,571.8 | 4.6 | 0.0\% | 18,570.6 | 5.8 | 0.0\% | 18,570.6 | 5.8 | 0.0\% | 18,570.6 | 5.8 | 0.0\% | 18,569.4 | 6.9 | 0.0\% |
| ME5 | 325024 | 2016 | Above Normal | May | - | 5,229.4 | 5,223.8 | 5.6 | 0.1\% | 5,223.3 | 6.1 | 0.1\% | 5,222.8 | 6.6 | 0.1\% | 5,222.1 | 7.3 | 0.1\% | 5,221.5 | 7.9 | 0.2\% | 5,221.1 | 8.3 | 0.2\% |
| ME5 | 325024 | 2016 | Above Normal | June | - | 1,515.7 | 1,505.0 | 10.8 | 0.7\% | 1,503.8 | 11.9 | 0.8\% | 1,502.8 | 13.0 | 0.9\% | 1,501.7 | 14.0 | 0.9\% | 1,500.6 | 15.2 | 1.0\% | 1,499.5 | 16.2 | 1.1\% |
| ME5 | 325024 | 2016 | Above Normal | July | - | 830.0 | 817.9 | 12.1 | 1.5\% | 816.7 | 13.3 | 1.6\% | 815.5 | 14.5 | 1.7\% | 814.3 | 15.7 | 1.9\% | 813.1 | 16.9 | 2.0\% | 811.9 | 18.1 | 2.2\% |
| ME5 | 325024 | 2016 | Above Normal | August | -- | 498.9 | 487.0 | 11.9 | 2.4\% | 485.8 | 13.1 | 2.6\% | 484.6 | 14.3 | 2.9\% | 483.4 | 15.5 | 3.1\% | 482.2 | 16.7 | 3.3\% | 481.1 | 17.9 | 3.6\% |
| ME5 | 325024 | 2016 | Above Normal | September | Used in Summary Table Analysis | 334.9 | 324.2 | 10.7 | 3.2\% | 323.2 | 11.8 | 3.5\% | 322.1 | 12.8 | 3.8\% | 321.0 | 13.9 | 4.2\% | 322.0 | 15.0 | 4.5\% | 318.9 | 16.1 | 4.8\% |
| ME5 | 325024 | 2017 | Wet | October | Used in Summary Table Analysis | 18,399.3 | 18,390.0 | 9.3 | 0.1\% | 18,390.0 | 9.3 | 0.1\% | 18,388.9 | 10.4 | 0.1\% | 18,387.7 | 11.6 | 0.1\% | 18,386.6 | 12.7 | 0.1\% | 18,385.4 | 13.9 | 0.1\% |
| ME5 | 325024 | 2017 | Wet | November | Used in Summary Table Analysis | 18,950.2 | 18,943.3 | ${ }^{6.9}$ | 0.0\% | 18,942.1 | 8.1 | 0.0\% | 18,942.1 | 8.1 | 0.0\% | 18,941.0 | 9.3 | 0.0\% | 18,939.8 | 10.4 | 0.1\% | 18,939.8 | 10.4 | 0.1\% |
| ME5 | 325024 | 2017 | Wet | December | -- | 24,307.9 | 24,302.1 | 5.8 | 0.0\% | 24,300.9 | 6.9 | 0.0\% | 24,300.9 | 6.9 | 0.0\% | 24,299.8 | 8.1 | 0.0\% | 24,299.8 | 8.1 | 0.0\% | 24,298.6 | 9.3 | 0.0\% |
| ME5 | 325024 | 2017 | wet | January | - | 107,474.5 | 107,468.8 | 5.8 | 0.0\% | 107,467.6 | 6.9 | 0.0\% | 107,467.6 | 6.9 | 0.0\% | 107,466.4 | 8.1 | 0.0\% | 107,466.4 | 8.1 | 0.0\% | 107,465.3 | 9.3 | 0.0\% |
| ME5 | 325024 | 2017 | Wet | February |  | 82,171.3 | 82,166.7 | 4.6 | 0.0\% | 82,165.5 | 5.8 | 0.0\% | 82,165.5 | 5.8 | 0.0\% | 82,164.4 | 6.9 | 0.0\% | 82,164,4 | 6.9 | 0.0\% | 82,163.2 | 8.1 | 0.0\% |
| ME5 | 325024 | 2017 | Wet | March | - | 27,378.5 | 27,373.8 | 4.6 | 0.0\% | 27,373.8 | 4.6 | 0.0\% | 27,372.7 | 5.8 | 0.0\% | 27,372.7 | 5.8 | 0.0\% | 27,371.5 | 6.9 | 0.0\% | 27,371.5 | 6.9 | 0.0\% |
| ME 5 | 325024 325024 | ${ }_{2017}$ | Wet | April | - | ${ }^{23,048.6}$ | 23,044.0 | 4.6 | 0.0\% | 23,024.0 | 4.6 6.1 | 0.0\% | $23,044.0$ 6,2703 | 4.6 | -0.0\% | 23,042.8 | ${ }^{5.8}$ | 0.0\% | ${ }_{\text {23,042.8 }} \mathbf{8 , 2 6 9 0}$ | 5.8 8.0 | 0.0\% | $23,042.8$ $6,268.4$ | 5.8 8.6 | 0.0\% |
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At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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At Surface Water Depletion Locations of interest
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Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flow Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Note | Flow (ffs) |  | Flow Difference (cfs) | Percent Difference | Flow (cts) | Flow Difference <br> (cfs) | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (cts) | Flow Difference <br> (cfs) | Percent Difference |
| ME6 | 324925 | 2002 | Below Normal |  | February | -- | 24,770.8 | ,765.0 | 5.8 | 0.0\% | 24,763.9 | 6.9 | 0.0\% | 24,763.9 | 6.9 | 0.0\% | , 62.7 | 8.1 | 0.0\% | 24,72.7 | 8.1 | 0.0\% | 24,761.6 | 9.3 | 0.0\% |
| ME 6 | 324925 | 2002 | Below Normal | March | -- | 17,851.9 | 17,847.2 | 4.6 | 0.0\% | 17,846.1 | 5.8 | 0.0\% | 17,846.1 | 5.8 | 0.0\% | 17,844.9 | 6.9 | 0.0\% | 17,844.9 | 6.9 | 0.0\% | 17,843.8 | 8.1 | 0.0\% |
| ME 6 | 324925 | 2002 | Below Normal | April | - | 9,953.7 | 9,944.7 | 9.0 | 0.1\% | 9,943.8 | 10.0 | 0.1\% | 9,942.8 | 10.9 | 0.1\% | 9,941.8 | 11.9 | 0.1\% | 9,940.9 | 12.8 | 0.1\% | 9,939.9 | 13.8 | 0.1\% |
| ME 6 | 324925 | 2002 | Below Normal | May | - | 3,330.9 | 3,320.1 | 10.8 | 0.3\% | 3,319.1 | 11.8 | 0.4\% | 3,317.9 | 13.0 | 0.4\% | 3,316.9 | 14.0 | 0.4\% | 3,315.7 | 15.2 | 0.5\% | 3,314.7 | 16.2 | 0.5\% |
| ME6 | 324925 | 2002 | Below Normal | June | - | 860.4 | 848.1 | 12.3 | 1.4\% | 846.9 | 13.5 | 1.6\% | 845.6 | 14.8 | 1.7\% | 844.4 | 16.0 | 1.9\% | 843.1 | 17.2 | 2.0\% | 841.9 | 18.5 | 2.1\% |
| ME6 | 324925 | 2002 | Below Normal | July | - | 369.2 | 356.6 | 12.6 | 3.4\% | 355.4 | 13.9 | 3.8\% | 354.1 | 15.1 | 4.1\% | 352.8 | 16.4 | 4.4\% | 351.6 | 17.7 | 4.8\% | 350.3 | 18.9 | 5.1\% |
| ME 6 | 324925 | 2002 | Below Normal | August | -- | 234.9 | 223.0 | 11.9 | 5.1\% | 221.8 | ${ }^{13.1}$ | 5.6\% | 220.6 | 14.3 | 6.1\% | 219.4 | 15.5 | 6.6\% | 218.2 | 16.7 | 7.1\% | 217.0 | 17.9 | 7.6\% |
| ME 6 | 324925 | 2002 | Below Normal | September | Used in Summary Table Analysis | 171.4 | 160.0 | 11.3 | 6.6\% | 158.9 | 12.5 | 7.3\% | 157.8 | 13.6 | 7.9\% | 156.6 | 14.8 | 8.6\% | 155.5 | 15.9 | 9.3\% | 154.3 | 17.0 | 9.9\% |
| ME6 | 324925 | 2003 | Wet | October | Used in Summary Table Analysis | 136.2 | 126.8 | 9.3 | 6.9\% | 125.9 | 10.3 | 7.5\% | 124.9 | 11.2 | 8.2\% | 124.0 | 12.2 | 8.9\% | 123.1 | 13.1 | 9.6\% | 122.1 | 14.0 | 10.3\% |
| ME6 | 324925 | 2003 | Wet | November | Used in Summary Table Analysis | 905.5 | 897.9 | 7.6 | 0.8\% | 897.2 | 8.3 | 0.9\% | 896.4 | 9.1 | 1.0\% | 895.6 | 9.9 | 1.1\% | 894.8 | 10.6 | 1.2\% | 894.1 | 11.4 | 1.3\% |
| ME6 | 324925 | 2003 | Wet | December | - | 57,392.4 | 57,385.4 | 6.9 | 0.0\% | 57,385.4 | 6.9 | 0.0\% | 57,384.3 | 8.1 | 0.0\% | 57,384,3 | 8.1 | 0.0\% | 57,383.1 | 9.3 | 0.0\% | 57,381.9 | 10.4 | 0.0\% |
| ME6 | 324925 | 2003 | Wet | January | - | 31,648.1 | 31,642.4 | 5.8 | 0.0\% | 31,642.4 | 5.8 | 0.0\% | 31,641.2 | 6.9 | 0.0\% | 31,641.2 | 6.9 | 0.0\% | 31,640.0 | 8.1 | 0.0\% | 31,640.0 | 8.1 | 0.0\% |
| ME6 | 324925 | 2003 | Wet | February | - | 20,416.7 | 20,410.9 | 5.8 | 0.0\% | 20,40.9 | 5.8 | 0.0\% | 20,409.7 | 6.9 | 0.0\% | 20,409.7 | 6.9 | 0.0\% | 20,408.6 | 8.1 | 0.0\% | 20,408.6 | 8.1 | 0.0\% |
| ME 6 | 324925 | 2003 | Wet | March | -- | 24,130.8 | 24,126.2 | 4.6 | 0.0\% | 24,125.0 | 5.8 | 0.0\% | 24,125.0 | 5.8 | 0.0\% | 24,123.8 | 6.9 | 0.0\% | 24,123.8 | 6.9 | 0.0\% | 24,123.8 | 6.9 | 0.0\% |
| ME6 | 324925 | 2003 | Wet | April | -- | 43,151.6 | 43,147.0 | 4.6 | 0.0\% | 43,145.8 | 5.8 | 0.0\% | 43,145.8 | 5.8 | 0.0\% | 43,144.7 | 6.9 | 0.0\% | 43,144.7 | 6.9 | 0.0\% | 43,144.7 | 6.9 | 0.0\% |
| ME6 | 324925 | 2003 | Wet | May | - | 12,256.9 | 12,247.7 | 9.3 | 0.1\% | 12,246.5 | 10.4 | 0.1\% | 12,245.4 | 11.6 | 0.1\% | 12,244.2 | 12.7 | 0.1\% | 12,243.1 | 13.9 | 0.1\% | 12,243.1 | 13.9 | 0.1\% |
| ME6 | 324925 | 2003 | Wet | June | - | 3,175.3 | 3,163.4 | 11.9 | 0.4\% | 3,162.3 | 13.1 | 0.4\% | 3,161.1 | 14.2 | 0.4\% | 3,160.0 | 15.4 | 0.5\% | 3,158.8 | 16.6 | 0.5\% | 3,157.6 | 17.7 | 0.6\% |
| ME 6 | 324925 | 2003 | wet | July | -- | 1,484.0 | 1,471.5 | 12.5 | 0.8\% | 1,470.3 | 13.8 | 0.9\% | 1,469.0 | 15.0 | 1.0\% | 1,467.7 | 16.3 | 1.1\% | 1,466.6 | 17.5 | 1.2\% | 1,465.3 | 18.8 | 1.3\% |
| me 6 | 324925 | 2003 | Wet | August |  | 769.5 | 757.3 | 12.1 | 1.6\% | 756.1 | 13.3 | 1.7\% | 754.9 | 14.5 | 1.9\% | 753.7 | 15.8 | 2.1\% | 752.5 | 17.0 | 2.2\% | 751.2 | 18.2 | 2.4\% |
| ME6 | 324925 | 2003 | Wet | September | Used in Summary Table Analysis | 466.6 | 456.1 | 10.5 | 2.2\% | 455.1 | 11.5 | 2.5\% | 454.0 | 12.6 | 2.7\% | 453.0 | 13.6 | 2.9\% | 451.9 | 14.7 | 3.1\% | 450.8 | 15.7 | 3.4\% |
| ME 6 | 324925 | 2004 | Wet | October | Used in Summary Table Analysis | 333.3 | 324.6 | 8.7 | 2.6\% | 323.7 | 9.6 | 2.9\% | 322.8 | 10.5 | 3.1\% | 321.9 | 11.3 | 3.4\% | 321.1 | 12.2 | 3.7\% | 320.2 | ${ }^{13.1}$ | 3.9\% |
| ME6 | 324925 | 2004 | Wet | November | Used in Summary Table Analysis | 5,871.2 | 5,864.1 | 7.1 | 0.1\% | 5,863.4 | 7.8 | 0.1\% | 5,862.6 | 8.6 | 0.1\% | 5,861.9 | 9.3 | 0.2\% | 5,861.2 | 10.0 | 0.2\% | 5,860.5 | 10.6 | 0.2\% |
| ME6 | 324925 | 2004 | Wet | December | -- | 36,610.0 | 36,604.2 | 5.8 | 0.0\% | 36,60.0 | 6.9 | 0.0\% | 36,601.9 | 8.1 | 0.0\% | 36,601.9 | 8.1 | 0.0\% | 36,60.7 | 9.3 | 0.0\% | 36,600.7 | 9.3 | 0.0\% |
| ME6 | 324925 | 2004 | Wet | January | -- | 31,677.1 | 31,671.3 | 5.8 | 0.0\% | 31,671.3 | 5.8 | 0.0\% | 31,670.1 | 6.9 | 0.0\% | 31,670.1 | 6.9 | 0.0\% | 31,669.0 | 8.1 | 0.0\% | 31,669.0 | 8.1 | 0.0\% |
| ME6 | 324925 | 2004 | Wet | February | -- | 38,431.7 | 38,427.1 | 4.6 | 0.0\% | 38,425.9 | 5.8 | 0.0\% | 38,425.9 | 5.8 | 0.0\% | 38,424.8 | 6.9 | 0.0\% | 38,424.8 | 6.9 | 0.0\% | 38,424.8 | 6.9 | 0.0\% |
| ME 6 | 324925 | 2004 | Wet | March | - | 16,559.0 | 16,554.4 | 4.6 | 0.0\% | 16,554.4 | 4.6 | 0.0\% | 16,553.2 | 5.8 | 0.0\% | 16,553.2 | 5.8 | 0.0\% | 16,552.1 | 6.9 | 0.0\% | 16,552.1 | 6.9 | 0.0\% |
| ME6 | 324925 | 2004 | Wet | April | - | 9,477.0 | 9,472.8 | 4.2 | 0.0\% | 9,472.3 | 4.6 | 0.0\% | 9,471.9 | 5.1 | 0.1\% | 9,471.4 | 5.6 | 0.1\% | 9,470.9 | 6.0 | 0.1\% | 9,470.6 | 6.4 | 0.1\% |
| ME6 | 324925 | 2004 | Wet | May | -- | 3,441.8 | 3,432.9 | 8.9 | 0.3\% | 3,432.1 | 9.7 | 0.3\% | 3,431.1 | 10.6 | 0.3\% | 3,430.2 | 11.6 | 0.3\% | 3,429.3 | 12.5 | 0.4\% | 3,428.5 | 13.3 | 0.4\% |
| ME 6 | 324925 | 2004 | Wet | June | - | 698.1 | 686.8 | 11.3 | 1.6\% | 685.7 | 12.4 | 1.8\% | 684.6 | 13.5 | 1.9\% | 683.4 | 14.7 | 2.1\% | 682.3 | 15.8 | 2.3\% | 681.2 | 16.9 | 2.4\% |
| ME6 | 324925 | 2004 | Wet | July | -- | 364.2 | 352.0 | 12.2 | 3.4\% | 350.8 | 13.4 | 3.7\% | 349.5 | 14.7 | 4.0\% | 348.3 | 15.9 | 4.4\% | 347.1 | 17.1 | 4.7\% | 345.9 | 18.3 | 5.0\% |
| ME6 | 324925 | 2004 | Wet | August | -- | 232.8 | 221.2 | 11.6 | 5.0\% | 220.0 | 12.8 | 5.5\% | 218.9 | 13.9 | 6.0\% | 217.7 | 15.1 | 6.5\% | 216.6 | 16.3 | 7.0\% | 215.4 | 17.4 | 7.5\% |
| ME6 | 324925 | 2004 | Wet | September | Used in Summary Table Analysis | 169.3 | 158.3 | 11.1 | 6.5\% | 157.2 | 12.2 | 7.2\% | 156.1 | 13.3 | 7.8\% | 155.0 | 14.4 | 8.5\% | 153.8 | 15.5 | 9.2\% | 152.7 | 16.6 | 9.8\% |
| ME6 | 324925 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,770.6 | 7,761.7 | 8.9 | 0.1\% | 7,760.9 | 9.7 | 0.1\% | 7,760.0 | 10.6 | 0.1\% | 7,759.0 | 11.6 | 0.1\% | 7,758.1 | 12.5 | 0.2\% | 7,757.3 | 13.3 | 0.2\% |
| ME 6 | 324925 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,270.5 | 2,263.5 | 6.9 | 0.3\% | 2,262.8 | 7.6 | 0.3\% | 2,262.2 | 8.3 | 0.4\% | 2,261.5 | 9.0 | 0.4\% | 2,260.8 | 9.7 | 0.4\% | 2,260.1 | 10.4 | 0.5\% |
| ME 6 | 324925 | 2005 | Above Normal | December | -- | 21,277.8 | 21,272.0 | 5.8 | 0.0\% | 21,272.0 | 5.8 | 0.0\% | 21,270.8 | 6.9 | 0.0\% | 21,270.8 | 6.9 | 0.0\% | 21,269.7 | 8.1 | 0.0\% | 21,268.5 | 9.3 | 0.0\% |
| ME 6 | 324925 | 2005 | Above Normal | January |  | 22,588.2 | 22,576.4 | 5.8 | 0.0\% | 22,576.4 | 5.8 | 0.0\% | 22,575.2 | 6.9 | 0.0\% | 22,575.2 | 6.9 | 0.0\% | 22,574.1 | 8.1 | 0.0\% | 22,574.1 | 8.1 | 0.0\% |
| ME6 | 324925 | 2005 | Above Normal | February | - | 14,047.5 | 14,042.8 | 4.6 | 0.0\% | 14,041.7 | 5.8 | 0.0\% | 14,041.7 | 5.8 | 0.0\% | 14,041.7 | 5.8 | 0.0\% | 14,040.5 | 6.9 | 0.0\% | 14,040.5 | 6.9 | 0.0\% |
| ME 6 | 324925 <br> 324925 <br> 18 | 2005 | Above Normal | March | - | $28,717.6$ <br> 21544 <br> 18 | $28,713.0$ <br> 1250.5 | 4.6 3 3 | 0.0\% | 28,713.0 | 4.6 | 0.0\% | $28,713.0$ 215394 | 4.6 | 0.0\% | 28,711.8 | 5.8 5 | 0.0\% | 28,711.8 | 5.8 58 | 0.0\% | 28,710.6 | ${ }^{6.9}$ | 0.0\% |
| ME 6 | 324925 | 2005 | Above Normal | April | - | 21,544.0 | 21,540.5 | 3.5 | 0.0\% | 21,539.4 | 4.6 | 0.0\% | ${ }^{21,53974}$ | 4.6 | 0.0\% | 21,538.2 | 5.8 | 0.0\% | 21,538.2 | 5.8 | 0.0\% | 21,538.2 | 5.8 | 0.0\% |
| ME 6 | 324925 324925 | 2005 | Above Normal | May | - | ${ }^{19,688.7}$ | $19,679.4$ 159977 2, | 9.3 139 | 0.0\% | $19,678.2$ 159965 2, | 10.4 | 0.1\% | $19,677.1$ 159 1595.4 | 11.6 | 0.1\% | $19,677.1$ 15993 | 11.6 | 0.1\% | $19,675.9$ 159931 2, | 12.7 | 0.1\% | 19,674.8 | 13.9 | ${ }^{0.1 \%}$ |
| ME6 ${ }_{\text {ME }}$ | 324925 324925 | 2005 | Above Normal Above Normal | June | -- | $16,011.6$ $2,867.2$ | $15,999.7$ 2,85.6 | 13.9 12.6 | 0.1\% | $15,986.5$ 2,853 | 15.0 13.9 | 0.15\% | ${ }^{15,995.4}{ }_{\text {2,52. }}$ | 16.2 15.2 | 0.15\% | $15,999.2$ 2,850.8 | 17.4 16.4 | 0.1.6\% | $15,993.1$ $2,849.5$ | 18.5 17.7 | 0.1\%\% | $15,990.7$ $2,848.3$ | 20.8 19.0 | 0.1\% |
| ME6 | 324925 | 2005 | Above Normal | August | -- | 992.4 | 980.8 | 11.6 | 1.2\% | 979.7 | 12.7 | 1.3\% | 978.5 | 13.9 | 1.4\% | 977.4 | 15.0 | 1.5\% | 976.3 | 16.1 | 1.6\% | 975.1 | 17.3 | 1.7\% |
| ME6 | 324925 | 2005 | Above Normal | September | Used in Summary Table Analysis | 533.8 | 523.5 | 10.3 | 1.9\% | 522.5 | 11.3 | 2.1\% | 521.5 | 12.3 | 2.3\% | 520.4 | 13.3 | 2.5\% | 519.4 | 14.4 | 2.7\% | 518.4 | 15.4 | 2.9\% |
| ME6 | 324925 | 2006 | Wet | October | Used in Summary Table Analysis | 644.7 | 636.3 | 8.4 | 1.3\% | 635.5 | 9.2 | 1.4\% | 634.6 | 10.1 | 1.6\% | 633.8 | 10.9 | 1.7\% | 632.9 | 11.8 | 1.8\% | 632.1 | 12.6 | 2.0\% |
| ME6 6 | 324925 | 2006 | Wet | November | Used in Summary Table Analysis | 9,422.0 | 9,415.4 | ${ }^{6.6}$ | 0.1\% | 9,414.7 | 7.3 | 0.1\% | 9,414.0 | 8.0 | 0.1\% | 9,413.4 | 8.6 | 0.1\% | 9,412.7 | 9.3 | 0.1\% | 9,412.0 | 10.0 | 0.1\% |
| ME 6 | 324925 | 2006 | Wet | December |  | 43,876.2 | 43,870.4 | 5.8 | 0.0\% | 43,869.2 | 6.9 | 0.0\% | 43,869.2 | 6.9 | 0.0\% | 43,868.1 | 8.1 | 0.0\% | 43,868.1 | 8.1 | 0.0\% | 43,86.9 | 9.3 | 0.0\% |
| ME 6 | 324925 <br> 324925 | 2006 | Wet | January | - | $46,640.0$ 267662 | $46,334.3$ 26,761. | 5.8 4.6 | 0.0\% | $46,634.3$ 26, 260.4 | 5.8 58 | 0.0\% | $46,633.1$ 267604 | 6.9 58 | 0.0\% | $\begin{array}{r}46,633.1 \\ \hline 26759\end{array}$ | ${ }_{6}^{6.9}$ | 0.0\% | $46,631.9$ 26793 | 8.1 | 0.0\% | $46,631.9$ 267593 | 8.1 | 0.0\% |
| ME ${ }_{\text {M }}^{\text {ME }}$ | 324925 | 2006 | Wet | February March |  | 26,766.2 | 26,761.6 | 4.6 | 0.0\% | 26,760.4 | 5.8 | 0.0\% | 26,760.4 | 5.8 | 0.0\% | 26,759.3 | ${ }^{6.9}$ | 0.0\% | 26,759.3 | 6.9 | 0.0\% | 26,759.3 | 6.9 | 0.0\% |
| ME6 | 324925 | 2006 | Wet | April | -- | 30,535.9 | 30,531.3 | 4.6 | 0.0\% | 30,531.3 | 4.6 | 0.0\% | 30,530.1 | 5.8 | 0.0\% | 30,530.1 | 5.8 | 0.0\% | 30,530.1 | 5.8 | 0.0\% | 30,528.9 | 6.9 | 0.0\% |
| ME6 | 324925 | 2006 | Wet | May | -- | 14,269.7 | 14,265.0 | 4.6 | 0.0\% | 14,263.9 | 5.8 | 0.0\% | 14,263.9 | 5.8 | 0.0\% | 14,262.7 | 6.9 | 0.0\% | 14,262.7 | 6.9 | 0.0\% | 14,261.6 | 8.1 | 0.1\% |
| ME6 | 324925 | 2006 | Wet | June | - | 3,555.8 | 3,544.6 | 11.2 | 0.3\% | 3,543.5 | 12.3 | 0.3\% | 3,542.4 | 13.4 | 0.4\% | 3,541.3 | 14.5 | 0.4\% | 3,540.2 | 15.6 | 0.4\% | 3,539.0 | 16.8 | 0.5\% |
| ME 6 | 324925 | 2006 | Wet | July | - | 1,289.9 | 1,278.0 | 11.9 | 0.9\% | 1,276.7 | 13.2 | 1.0\% | 1,275.6 | 14.4 | 1.1\% | 1,274.4 | 15.5 | 1.2\% | 1,273.1 | 16.8 | 1.3\% | 1,272.0 | 17.9 | 1.4\% |
| ME 6 | 324925 | 2006 | Wet | August | -- | 676.0 | 664.2 | 11.8 | 1.7\% | 663.0 | 13.0 | 1.9\% | 661.9 | 14.1 | 2.1\% | 660.6 | 15.4 | 2.3\% | 659.5 | 16.5 | 2.4\% | 658.3 | 17.7 | 2.6\% |
| ME6 | 324925 | 2006 | Wet | September | Used in Summary Table Analysis | 436.1 | 425.7 | 10.4 | 2.4\% | ${ }_{227.6}$ | 11.4 | 2.6\% | ${ }^{423.6}$ | 12.5 | 2.9\% | ${ }^{422.5}$ | 13.5 | ${ }^{3.1 \%}$ | 421.5 | 14.6 | 3.3\% | ${ }^{427.5}$ | 15.6 | 3.6\% |
| ME6 6 | 324925 | 2007 | Above Normal | October | Used in Summary Table Analysis | 283.0 | 274.4 | 8.5 | 3.0\% | 273.6 | 9.4 | 3.3\% | 272.7 | ${ }^{10.3}$ | 3.6\% | 271.9 | 11.1 | 3.9\% | 271.0 | 12.0 | 4.2\% | 270.2 | 12.8 | 4.5\% |
| ${ }_{\text {ME }}^{\text {M } 6}$ | 324925 <br> 324925 <br> 1 | 2007 | Above Norral | November | Used in Summary Table Analysis | $8,769.0$ 206169 | $8,762.0$ 206111 | 6.9 58 | 0.1\% | ${ }^{8,761.3}$ | 7.6 69 | 0.1\% | $8,760.6$ 20,610. | 8.3 69 | 0.1\% | $8,760.0$ 20688 | 9.0 81 | 0.1\% | $8,759.3$ 20.608 | 9.7 81 | 0.1\% | $8,758.6$ 20,6076 | 10.4 | 0.1\% |
| ME 68 ME 6 | 324925 | 2007 2007 | Above Normal Above Normal | December |  | 20,616.9 | 20,611.1 10.301 .6 | 5.8 5.3 | 0.0\% | $20,610.0$ 10,3010 | 6.9 5.9 | 0.0\% | $20,610.0$ 10,3006 | 6.9 6.4 | 0.0\% | 20,608.8 10,3000 | 8.1 69 | ${ }^{0.0 \%}$ | $20,608.8$ $10,299.4$ | 8.1 7.5 | 0.0\% | 20,607.6 | 9.3 | ${ }^{0.0 \%}$ |
| ME6 | 324925 | 2007 | Above Normal | February | -- | 30,803.2 | 30,798.6 | 4.6 | 0.0\% | 30,798.6 | 4.6 | 0.0\% | 30,797.5 | 5.8 | 0.0\% | 30,797.5 | 5.8 | 0.0\% | 30,796.3 | 6.9 | 0.0\% | 30,796.3 | 6.9 | 0.0\% |
| ME 6 | 324925 | 2007 | Above Normal | March | -- | 13,142.4 | 13,137.7 | 4.6 | 0.0\% | 13,137.7 | 4.6 | 0.0\% | 13,136.6 | 5.8 | 0.0\% | 13,136.6 | 5.8 | 0.0\% | 13,135.4 | 6.9 | 0.1\% | 13,135.4 | 6.9 | 0.1\% |
| ME6 | 324925 | 2007 | Above Normal | April | - | 11,573.3 | 11,564.5 | 8.8 | 0.1\% | 11,563.7 | 9.6 | 0.1\% | 11,562.7 | 10.5 | 0.1\% | 11,561.8 | 11.5 | 0.1\% | 11,561.0 | 12.3 | 0.1\% | 11,560.1 | 13.2 | 0.1\% |
| ME 6 | 324925 | 2007 | Above Normal | May | - | 4,158.0 | 4,147.7 | 10.3 | 0.2\% | 4,146.6 | 11.3 | 0.3\% | 4,145.6 | 12.4 | 0.3\% | 4,144.6 | 13.4 | 0.3\% | 4,143.5 | 14.5 | 0.3\% | 4,142.5 | 15.5 | 0.4\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan


Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
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At Surface Water Depletion Locations of interest
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Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

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At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan


Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
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nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | Model Cell |
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|  | Reach) |
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 Not


 - $10 \%$ Pumping Increase | Percent |
| :--- |
| $\substack{\text { erence }}$ | 20\% Pumping Increase Flow

Difference | $\begin{array}{c}\text { Difference } \\ \text { (fss) }\end{array}$ | $\begin{array}{c}\text { Percent } \\ \text { Difference }\end{array}$ |
| :--- | :--- |
| 58 |  | 30\% Pumping Inc

$\qquad$ 40\% Pumping Flow
Difference
(cts) 50\% Pumping Incre Flow
Difference (cfs)
(fience
Percent $\xrightarrow{\text { Flow (cfs) }}$













nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  |  |  | FlowWithout Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Month | Note |  | Flow (cfs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference |
| me6 | 324727 | 2013 | Below Normal | June | - | 2,123.3 | 2,110.6 | 12.6 | 0.6\% | 2,109.4 | 13.9 | 0.7\% | 2,108.1 | 15.2 | 0.7\% | 2,106.8 | 16.4 | 0.8\% | 2,105.6 | 17.7 | 0.8\% | 2,104.3 | 19.0 | 0.9\% |
| ME6 | 324727 | 2013 | Below Normal | July | - | 725.3 | 712.8 | 12.5 | 1.7\% | 711.5 | 13.8 | 1.9\% | 710.3 | 15.0 | 2.1\% | 709.0 | 16.3 | 2.2\% | 707.8 | 17.5 | 2.4\% | 706.5 | 18.8 | 2.6\% |
| ME6 | 324727 | 2013 | Below Normal | August | -- | 349.5 | 337.7 | 11.8 | 3.4\% | 336.6 | 13.0 | 3.7\% | 335.4 | 14.2 | 4.0\% | 334.2 | 15.3 | 4.4\% | 333.0 | 16.5 | 4.7\% | 331.9 | 17.7 | 5.1\% |
| ME 6 | 324727 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,836.7 | 4,824.4 | 12.3 | 0.3\% | 4,823.1 | 13.5 | 0.3\% | 4,822.0 | 14.7 | 0.3\% | 4,820.7 | 16.0 | 0.3\% | 4,819.6 | 17.1 | 0.4\% | 4,818.3 | 18.4 | 0.4\% |
| ME 6 | 324727 | 2014 | Critical | October | Used in Summary Table Analysis | 284.6 | 275.5 | 9.1 | 3.2\% | 274.6 | 10.0 | 3.5\% | 273.7 | 10.9 | 3.8\% | 272.8 | 11.8 | 4.1\% | 271.9 | 12.7 | 4.5\% | 271.0 | 13.6 | 4.8\% |
| me6 | 324727 | 2014 | Critical | November | Used in Summary Table Analysis | 1,566.0 | 1,558.7 | 7.3 | 0.5\% | 1,558.0 | 8.0 | 0.5\% | 1,557.3 | 8.7 | 0.6\% | 1,556.5 | 9.5 | 0.6\% | 1,555.8 | 10.2 | 0.7\% | 1,555.1 | 10.9 | 0.7\% |
| me6 | 324727 | 2014 | Critical | December | -- | 1,607.3 | 1,600.9 | 6.4 | 0.4\% | 1,600.3 | 6.9 | 0.4\% | 1,599.7 | 7.6 | 0.5\% | 1,599.1 | 8.2 | 0.5\% | 1,598.4 | 8.9 | 0.6\% | 1,597.8 | 9.5 | 0.6\% |
| ME6 | 324727 | 2014 | Critical | January | -- | 2,850.3 | 2,844.7 | 5.7 | 0.2\% | 2,844.1 | 6.3 | 0.2\% | 2,843.6 | 6.7 | 0.2\% | 2,843.1 | 7.3 | 0.3\% | 2,842.5 | 7.9 | 0.3\% | 2,841.9 | 8.4 | 0.3\% |
| ME 6 | 324727 | 2014 | Critical | February | - | 15,834.5 | 15,828.7 | 5.8 | 0.0\% | 15,828.7 | 5.8 | 0.0\% | 15,827.5 | 6.9 | 0.0\% | 15,827.5 | 6.9 | 0.0\% | 15,826.4 | 8.1 | 0.1\% | 15,826.4 | 8.1 | 0.1\% |
| me6 | 324727 | 2014 | Critical | March |  | 31,589.1 | 31,584.5 | 4.6 | 0.0\% | 31,584.5 | 4.6 | 0.0\% | 31,583.3 | 5.8 | 0.0\% | 31,583.3 | 5.8 | 0.0\% | 31,582.2 | 6.9 | 0.0\% | 31,582.2 | 6.9 | 0.0\% |
| me6 | 324727 | 2014 | Critical | April | - | 13,025.5 | 13,016.2 | 9.3 | 0.1\% | 13,015.0 | 10.4 | 0.1\% | 13,013.9 | 11.6 | 0.1\% | 13,012.7 | 12.7 | 0.1\% | 13,012.7 | 12.7 | 0.1\% | 13,011.6 | 13.9 | 0.1\% |
| ME6 | 324727 | 2014 | Critical | May | - | 5,21.1 | 5,200.0 | 11.1 | 0.2\% | 5,199.0 | 12.2 | 0.2\% | 5,197.8 | 13.3 | 0.3\% | 5,196.8 | 14.4 | 0.3\% | 5,195.6 | 15.5 | 0.3\% | 5,194.4 | 16.7 | 0.3\% |
| ME6 | 324727 | 2014 | Critical | June | - | 1,208.7 | 1,193.4 | 15.3 | 1.3\% | 1,191.9 | 16.8 | 1.4\% | 1,190.4 | 18.3 | 1.5\% | 1,188.8 | 19.9 | 1.6\% | 1,187.3 | 21.4 | 1.8\% | 1,185.8 | 22.9 | 1.9\% |
| me6 | 324727 | 2014 | Critical | July | - | 553.8 | 539.4 | 14.3 | 2.6\% | 538.0 | 15.8 | 2.8\% | 536.6 | 17.2 | 3.1\% | 535.1 | 18.6 | 3.4\% | 533.7 | 20.0 | 3.6\% | 532.3 | 21.4 | 3.9\% |
| ME 6 | 324727 | 2014 | Critical | August | - | 357.6 | 343.8 | 13.8 | 3.8\% | 342.4 | 15.1 | 4.2\% | 341.1 | 16.5 | 4.6\% | 339.7 | 17.9 | 5.0\% | 338.3 | 19.2 | 5.4\% | 336.9 | 20.6 | 5.8\% |
| me6 | 324727 | 2014 | Critical | September | Used in Summary Table Analysis | 2,599.2 | 2,585.6 | 13.5 | 0.5\% | 2,584.3 | 14.9 | 0.6\% | 2,582.9 | 16.3 | 0.6\% | 2,581.6 | 17.6 | 0.7\% | 2,580.2 | 19.0 | 0.7\% | 2,578.8 | 20.4 | 0.8\% |
| me6 | 324727 | 2015 | Dry | October | Used in Summary Table Analysis | 11,452.2 | 11,441.8 | 10.4 | 0.1\% | 11,440.7 | 11.5 | 0.1\% | 11,439.7 | 12.5 | 0.1\% | 11,438.0 | 14.2 | 0.1\% | 11,436.9 | 15.3 | 0.1\% | 11,435.9 | 16.3 | 0.1\% |
| ME6 | 324727 | 2015 | Dry | November | Used in Summary Table Analysis | 9,132.6 | 9,124.5 | 8.1 | 0.1\% | 9,123.7 | 8.9 | 0.1\% | 9,122.9 | 9.7 | 0.1\% | 9,122.1 | 10.5 | 0.1\% | 9,121.2 | 11.5 | 0.1\% | 9,120.4 | 12.3 | 0.1\% |
| me6 | 324727 | 2015 | Dry | December |  | 32,965.3 | 32,958.3 | 6.9 | 0.0\% | 32,958.3 | 6.9 | 0.0\% | 32,957.2 | 8.1 | 0.0\% | 32,956.0 | 9.3 | 0.0\% | 32,956.0 | 9.3 | 0.0\% | 32,954.9 | 10.4 | 0.0\% |
| ME6 | 324727 | 2015 | Dry | January | - | 14,630.8 | 14,623.8 | 6.9 | 0.0\% | 14,623.8 | 6.9 | 0.0\% | 14,622.7 | 8.1 | 0.1\% | 14,622.7 | 8.1 | 0.1\% | 14,621.5 | 9.3 | 0.1\% | 14,621.5 | 9.3 | 0.1\% |
| me6 | 324727 | 2015 | Dry | February | -- | 27,372.7 | 27,366.9 | 5.8 | 0.0\% | 27,365.7 | 6.9 | 0.0\% | 27,365.7 | 6.9 | 0.0\% | 27,364.6 | 8.1 | 0.0\% | 27,364.6 | 8.1 | 0.0\% | 27,364.6 | 8.1 | 0.0\% |
| me6 | 324727 | 2015 | Dry | March | -- | 11,603.0 | 11,598.4 | 4.6 | 0.0\% | 11,598.4 | 4.6 | 0.0\% | 11,597.2 | 5.8 | 0.0\% | 11,597.2 | 5.8 | 0.0\% | 11,597.2 | 5.8 | 0.0\% | 11,596.1 | 6.9 | 0.1\% |
| ME6 | 324727 | 2015 | Dry | April | - | 8,47.1 | 8,467.8 | 9.3 | 0.1\% | 8,466.9 | 10.2 | 0.1\% | 8,466.0 | 11.1 | 0.1\% | 8,465.0 | 12.0 | 0.1\% | 8,464,1 | 13.0 | 0.2\% | 8,463.2 | 13.9 | 0.2\% |
| me6 | 324727 | 2015 | Dry | May | - | 1,512.8 | 1,502.0 | 10.9 | 0.7\% | 1,500.9 | 11.9 | 0.8\% | 1,499.8 | 13.1 | 0.9\% | 1,498.7 | 14.1 | 0.9\% | 1,497.7 | 15.2 | 1.0\% | 1,996.5 | 16.3 | 1.1\% |
| me6 | 324727 | 2015 | Dry | June | -- | 659.3 | 645.1 | 14.2 | 2.2\% | 643.7 | 15.6 | 2.4\% | 642.3 | 17.0 | 2.6\% | 640.8 | 18.5 | 2.8\% | 639.4 | 19.9 | 3.0\% | 638.0 | 21.3 | 3.2\% |
| me6 | 324727 | 2015 | Dry | July | - | 27.0 | 261.9 | 14.1 | 5.1\% | 260.5 | 15.5 | 5.6\% | 259.0 | 16.9 | 6.1\% | 257.6 | 18.3 | 6.6\% | 256.2 | 19.7 | 7.2\% | 254.8 | 21.2 | 7.7\% |
| me6 | 324727 | 2015 | Dry | August | -- | 175.4 | 161.7 | 13.7 | 7.8\% | 160.3 | 15.1 | 8.6\% | 159.0 | 16.4 | 9.4\% | 157.6 | 17.8 | 10.2\% | 156.2 | 19.2 | 10.9\% | 154.8 | 20.6 | 11.7\% |
| ME6 | 324727 | 2015 | Dry | September | Used in Summary Table Analysis | 128.6 | 116.3 | 12.3 | 9.6\% | 115.1 | 13.6 | 10.6\% | 113.8 | 14.8 | 11.5\% | 112.5 | 16.1 | 12.5\% | 111.3 | 17.4 | 13.5\% | 110.0 | 18.6 | 14.5\% |
| ME6 | 324727 | 2016 | Above Normal | October | Used in Summary Table Analysis | 93.6 | 83.1 | 10.5 | 11.2\% | 82.0 | 11.6 | 12.4\% | 80.9 | 12.7 | 13.5\% | 80.3 | 13.2 | 14.1\% | 79.4 | 14.2 | 15.1\% | 78.0 | 15.6 | 16.7\% |
| me6 | 324727 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,948.6 | 3,940.5 | 8.1 | 0.2\% | 3,939.7 | 8.9 | 0.2\% | 3,938.9 | 9.7 | 0.2\% | 3,938.0 | 10.6 | 0.3\% | 3,937.0 | 11.6 | 0.3\% | 3,936.2 | 12.4 | 0.3\% |
| ME 6 | 324727 | 2016 | Above Normal | December |  | 37,028.9 | 37,020.8 | 8.1 | 0.0\% | 37,020.8 | 8.1 | 0.0\% | 37,019.7 | 9.3 | 0.0\% | 37,018.5 | 10.4 | 0.0\% | 37,018.5 | 10.4 | 0.0\% | 37,017.4 | 11.6 | 0.0\% |
| ME6 | 324727 | 2016 | Above Normal | January | - | 57,741.9 | 57,735.0 | 6.9 | 0.0\% | 57,733.8 | 8.1 | 0.0\% | 57,733.8 | 8.1 | 0.0\% | 57,732.6 | 9.3 | 0.0\% | 57,732.6 | 9.3 | 0.0\% | 57,731.5 | 10.4 | 0.0\% |
| ME6 | 324727 | 2016 | Above Normal | February | - | 24,336.8 | 24,331.0 | 5.8 | 0.0\% | 24,331.0 | 5.8 | 0.0\% | 24,329.9 | 6.9 | 0.0\% | 24,329.9 | 6.9 | 0.0\% | 24,328.7 | 8.1 | 0.0\% | 24,328.7 | 8.1 | 0.0\% |
| ME6 | 324727 | 2016 | Above Normal | March | -- | 41,975.7 | 41,971.1 | 4.6 | 0.0\% | 41,969.9 | 5.8 | 0.0\% | 41,969.9 | 5.8 | 0.0\% | 41,968.8 | 6.9 | 0.0\% | 41,968.8 | 6.9 | 0.0\% | 41,967.6 | 8.1 | 0.0\% |
| ME 6 | 324727 | 2016 | Above Normal | April | - | 18,592.6 | 18,588.0 | 4.6 | 0.0\% | 18,586.8 | 5.8 | 0.0\% | 18,586.8 | 5.8 | 0.0\% | 18,586.8 | 5.8 | 0.0\% | $18,585.6$ 5 127.5 | 6.9 | 0.0\% | 18,585.6 | ${ }_{8}^{6.9}$ | 0.0\% |
| ME6 | 324727 | 2016 | Above Normal | May | - | 5,235.5 | 5,229.9 | 5.7 | 0.1\% | 5,229.3 | 6.3 | 0.1\% | 5,228.7 | 6.8 | 0.1\% | 5,228.1 | 7.4 | 0.1\% | 5,227.5 | 8.0 | 0.2\% | 5,227.0 | 8.6 | 0.2\% |
| ME 6 | 324727 <br> 324727 | 2016 | Above Normal | June | - | $1,519.0$ 8337 | 1,508.1 | 10.9 | ${ }^{0.7 \%}$ | 1,507.1 | 11.9 | 0.8\% | 1,5059 8190 | ${ }^{13.1}$ | 0.9\% | $1,504.9$ 8177 | 14.1 | ${ }^{\text {0.9\% }}$ | $1,503.7$ 8165 | 15.3 | ${ }_{\text {1.0\% }}^{1.0 \%}$ | $1,502.7$ <br> 8.5 <br> 158 | 16.3 | 1.1\% |
| ME6 | 324727 | 2016 2016 | Above Norral Above Normal | July | - | 833.7 502.8 | 821.4 | $\begin{aligned} & 12.3 \\ & { }_{12.2} \end{aligned}$ | $1.5 \%$ $2.4 \%$ .4 | 820.2 | $\begin{aligned} & 13.5 \\ & 13.4 \end{aligned}$ | li.fe\% | 819.0 488.3 | 14.7 14.6 | $1.8 \%$ $2.9 \%$ | 817.7 487.0 | 16.0 15.8 | 1.9\% | 816.5 485.8 | 17.2 17.0 | 2.1\% $3.4 \%$ | 815.3 484.6 | 18.4 18.2 | 2.2\% |
| ME6 | 324727 <br> 324727 <br> 2 | 2016 2016 | Above Normal | September | Used in Summary Table Analysis | 503.8 338.7 | 490.7 327.8 | 12.2 10.9 | ${ }^{2.4 \%}$ | ${ }_{326.7}$ | 13.4 12.0 | 3.6\% | ${ }_{3}^{485.3}$ | 14.6 13.1 | 3.9\% | 324.5 | 14.2 14.2 | 4.2\% | ${ }_{323.4}$ | 15.3 | 3.5\% | 384.6 322.3 | 18.2 <br> 16.4 <br> 1.4 | 3.6\% $4.9 \%$ |
| ME6 | 324727 | 2017 | Wet | October | Used in Summary Table Analysis | 18,445.6 | 18,436.3 | 9.3 | 0.1\% | 18,436.3 | ${ }_{9} 9$ | 0.1\% | 18,435.2 | 10.4 | 0.1\% | 18,434.0 | 11.6 | 0.1\% | 18,432.9 | 12.7 | 0.1\% | 18,431.7 | 13.9 | 0.1\% |
| me6 | 324727 | 2017 | Wet | November | Used in Summary Table Analysis | 19,000.0 | 18,993.1 | 6.9 | 0.0\% | 18,991.9 | 8.1 | 0.0\% | 18,991.9 | 8.1 | 0.0\% | 18,990.7 | 9.3 | 0.0\% | 18,889.6 | 10.4 | 0.1\% | 18,989.6 | 10.4 | 0.1\% |
| ME6 | 324727 | 2017 | Wet | December | - | 24,385.4 | 24,379.6 | 5.8 | 0.0\% | 24,378.5 | 6.9 | 0.0\% | 24,378.5 | 6.9 | 0.0\% | 24,377.3 | 8.1 | 0.0\% | 24,377.3 | 8.1 | 0.0\% | 24,376.2 | 9.3 | 0.0\% |
| me6 | 324727 | 2017 | wet | January | -- | 107,69.1 | 107,93.3 | 5.8 | 0.0\% | 107,693.3 | 5.8 | 0.0\% | 107,692.1 | 6.9 | 0.0\% | 107,692.1 | 6.9 | 0.0\% | 107,991.0 | 8.1 | 0.0\% | 107,691.0 | 8.1 | 0.0\% |
| ME6 | 324727 | 2017 | Wet | February | -- | 82,302.1 | 82,297.5 | 4.6 | 0.0\% | 82,296.3 | 5.8 | 0.0\% | 82,296.3 | 5.8 | 0.0\% | 82,295.1 | 6.9 | 0.0\% | 82,295.1 | 6.9 | 0.0\% | 82,994.0 | 8.1 | 0.0\% |
| ME6 | 324727 | 2017 | Wet | March | -- | 27,499.0 | 27,414.4 | 4.6 | 0.0\% | 27,414.4 | 4.6 | 0.0\% | 27,413.2 | 5.8 | 0.0\% | 27,413.2 | 5.8 | 0.0\% | 27,413.2 | 5.8 | 0.0\% | 27,412.0 | 6.9 | 0.0\% |
| ME6 | 324727 | 2017 | Wet | April | -- | 23,093.8 | 23,089.1 | 4.6 | 0.0\% | 23,089.1 | 4.6 | 0.0\% | 23,088.0 | 5.8 | 0.0\% | 23,088.0 | 5.8 | 0.0\% | 23,086.8 | 6.9 | 0.0\% | 23,086.8 | 6.9 | 0.0\% |
| ME 6 | 324727 | 2017 | Wet | May | -- | 6,278.9 | 6,273.3 | 5.7 | 0.1\% | 6,272.7 | 6.3 | 0.1\% | 6,272.1 | 6.8 | 0.1\% | 6,271.5 | 7.4 | 0.1\% | 6,270.9 | 8.0 | 0.1\% | 6,270.4 | 8.6 | 0.1\% |
| ME6 | 324727 | 2017 | Wet | June | - | 2,138.0 | 2,126.9 | 11.1 | 0.5\% | 2,125.8 | 12.2 | 0.6\% | 2,124.7 | 13.3 | 0.6\% | 2,123.6 | 14.4 | 0.7\% | 2,122.5 | 15.5 | 0.7\% | 2,121.3 | 16.7 | 0.8\% |
| me6 | 324727 | 2017 | Wet | July | - | 948.2 | 935.9 | 12.3 | 1.3\% | 934.7 | 13.6 | 1.4\% | 933.4 | 14.8 | 1.6\% | 932.2 | 16.1 | 1.7\% | 931.0 | 17.3 | 1.8\% | 929.7 | 18.5 | 2.0\% |
| ME6 | 324727 | 2017 | Wet | August | -- | 520.5 | 508.4 | 12.1 | 2.3\% | 507.2 | 13.3 | 2.6\% | 506.0 | 14.5 | 2.8\% | 504.7 | 15.8 | 3.0\% | 503.5 | 17.0 | 3.3\% | 502.3 | 18.2 | 3.5\% |
| ME6 | 324727 | 2017 | Wet | September | Used in Summary Table Analysis | 334.8 | 323.5 | 11.3 | 3.4\% | 322.4 | 12.4 | 3.7\% | 327.3 | 13.5 | 4.0\% | 320.2 | 14.7 | 4.4\% | 319.0 | 15.8 | 4.7\% | 317.9 | 16.9 | 5.1\% |
| ME 6 | 324727 | 2018 | Above Normal | October | Used in Summary Table Analysis | 287.5 | 279.3 | 8.2 | 2.9\% | 278.0 | 9.5 | 3.3\% | 277.0 | 10.5 | 3.7\% | 275.8 | 11.7 | 4.1\% | 274.8 | 12.7 | 4.4\% | 273.9 | ${ }^{13.6}$ | 4.7\% |
| ME6 | 324727 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,972.7 | 10,965.5 | 7.2 | 0.1\% | 10,964.8 | 7.9 | 0.1\% | 10,964.0 | 8.7 | 0.1\% | 10,963.3 | 9.4 | 0.1\% | 10,962.6 | 10.1 | 0.1\% | 10,961.9 | 10.8 | 0.1\% |
| ME6 | 324727 | 2018 | Above Normal | December |  | 5,464.9 | 5,458.9 | 6.0 | 0.1\% | 5,458.3 | ${ }^{6.6}$ | 0.1\% | 5,457.6 | 7.3 | 0.1\% | 5,457.1 | 7.9 | 0.1\% | 5.456 .5 | 8.4 | 0.2\% | 5,455.8 | ${ }^{9.1}$ | ${ }^{0.2 \%}$ |
| ME 6 | 324727 | 2018 | Above Normal | January | -- | 18,089.1 | 18,084.5 | 4.6 | 0.0\% | 18,083.3 | 5.8 | 0.0\% | 18,083.3 | 5.8 | 0.0\% | 18,082.2 | 6.9 | 0.0\% | 18,082.2 | 6.9 | 0.0\% | 18,081.0 | 8.1 | 0.0\% |
| ME6 | 324727 | 2018 | Above Normal | February |  | 7,613.5 | 7,608.9 | 4.6 | 0.1\% | 7,608.4 | 5.1 | 0.1\% | 7,608.0 | ${ }^{5.6}$ | 0.1\% |  | ${ }_{6}^{6.1}$ | 0.1\% | 7,606.9 | ${ }^{6.6}$ | 0.1\% | $7,606.5$ 20,924 | 7.1 | 0.1\% |
| ME6 | 324727 <br> 32427 <br> 2 | 2018 | Above Normal | March | $\cdots$ | $20,899.3$ $32,434.0$ | $20,894.7$ $32,430.6$ | 4.6 3.5 | - | $20,894.7$ $32,429.4$ | 4.6 4.6 | - $0.0 \%$ | 20,894.7 $32,429.4$ | 4.6 4.6 | 0.0\% | ${ }^{20,893.5} 3$ | 5.8 4.6 | 0.0\% | $20,893.5$ $32,488.2$ | 5.8 5.8 | - $0.0 \%$ | $20,892.4$ $32,428.2$ | 6.9 5.8 | - $0.0 \%$ |
| me6 | 324727 | 2018 | Above Normal | May | -- | 6,997.2 | 6,988.7 | 8.6 | 0.1\% | 6,987.7 | 9.5 | 0.1\% | 6,986.8 | 10.4 | 0.1\% | 6,986.0 | 11.2 | 0.2\% | 6,985.2 | 12.0 | 0.2\% | 6,984.3 | 13.0 | 0.2\% |
| ME6 | 324727 | 2018 | Above Normal | June | - | 1,924.4 | 1,913.1 | 11.3 | 0.6\% | 1,911.9 | 12.5 | 0.6\% | 1,910.8 | 13.7 | 0.7\% | 1,909.6 | 14.8 | 0.8\% | 1,908.4 | 16.0 | 0.8\% | 1,907.4 | 17.0 | 0.9\% |
| ME6 | 324727 | 2018 | Above Normal | July | - | 793.2 | 780.7 | 12.5 | 1.6\% | 779.5 | 13.7 | 1.7\% | 778.2 | 14.9 | 1.9\% | 777.0 | 16.2 | 2.0\% | 775.8 | 17.4 | 2.2\% | 774.5 | 18.7 | 2.4\% |
| ME6 | 324727 | 2018 | Above Normal | August | Tabe Ansis | 454.5 | 442.8 | 11.7 | ${ }^{2.6 \%}$ | 441.6 | 12.9 | 2.8\% | 440.5 | 14.0 | 3.1\% | 439.3 | 15.2 | 3.3\% | 438.1 | 16.4 | 3.6\% | 437.0 | 17.5 | 3.9\% |
|  | 324727 | 2018 | Above Normal | Septembe | Sed in Summary Table Analysis | 311.2 | 29.9 | 11.3 | 3.5\% | 298.8 | 12.4 | 4.0\% | 297.6 | 13.5 | 4.4\% | 296.5 | 14.7 | 4.7\% | 295.4 | 15.8 | 5.1\% | 294.2 | 16.9 | 5.4\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month | Note | FlowWithoutPumping Pumping | Existing Conditions |  |  | 10\% Pumping In |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Flow (cfs) |  |  | $\underset{\substack{\text { Fiffew } \\ \text { (ffs) }}}{\text { (fs) }}$ | Percent Difference Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiffow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | $\begin{gathered} \text { Percent } \\ \text { Difference } \end{gathered}$ |
| ME7 | 324430 | 2003 | Wet |  | February | -- | 20,465.3 | 20,459.5 | 5.8 | 0.0\% | 20,459.5 | 5.8 | 0.0\% | 20,458.3 | 6.9 | 0.0\% | 20,458.3 | 6.9 | 0.0\% | 20,457.2 | 8.1 | 0.0\% | 20,457.2 | 8.1 | 0.0\% |
| ME7 | 324430 | 2003 | Wet | March | -- | 24,208.3 | 24,202.5 | 5.8 | 0.0\% | 24,202.5 | 5.8 | 0.0\% | 24,201.4 | 6.9 | 0.0\% | 24,201.4 | 6.9 | 0.0\% | 24,200.2 | 8.1 | 0.0\% | 24,200.2 | 8.1 | 0.0\% |
| ME7 | 324430 | 2003 | Wet | April | -- | 43,388.0 | 43,333.3 | 4.6 | 0.0\% | 43,333.3 | 4.6 | 0.0\% | 43,332.2 | 5.8 | 0.0\% | 43,332.2 | 5.8 | 0.0\% | 43,331.0 | 6.9 | 0.0\% | 43,331.0 | 6.9 | 0.0\% |
| ME7 | 324430 | 2003 | Wet | May | - | 12,281.3 | 12,270.8 | 10.4 | 0.1\% | 12,270.8 | 10.4 | 0.1\% | 12,269.7 | 11.6 | 0.1\% | 12,268.5 | 12.7 | 0.1\% | 12,267.4 | 13.9 | 0.1\% | 12,266.2 | 15.0 | 0.1\% |
| ME7 | 324430 | 2003 | Wet | June |  | 3,183.3 | 3,170.8 | 12.5 | 0.4\% | 3,169.6 | 13.8 | 0.4\% | 3,168.3 | 15.0 | 0.5\% | 3,167.1 | 16.2 | 0.5\% | 3,165.9 | 17.5 | 0.5\% | 3,164.6 | 18.8 | 0.6\% |
| ME7 | 324430 | 2003 | Wet | July | - | 1,493.3 | 1,480.0 | 13.3 | 0.9\% | 1,478.7 | 14.6 | 1.0\% | 1,477.3 | 16.0 | 1.1\% | 1,476.0 | 17.2 | 1.2\% | 1,474.7 | 18.6 | 1.2\% | 1,473.4 | 19.9 | 1.3\% |
| me7 | 324430 | 2003 | wet | August | -- | 778.6 | 765.6 | 13.0 | 1.7\% | 764.3 | 14.2 | 1.8\% | 763.0 | 15.5 | 2.0\% | 761.7 | 16.9 | 2.2\% | 760.4 | 18.2 | 2.3\% | 759.1 | 19.5 | 2.5\% |
| ME7 | 324430 | 2003 | Wet | September | Used in Summary Table Analysis | 475.2 | 463.9 | 11.3 | 2.4\% | 462.7 | 12.4 | 2.5\% | 461.6 | 13.6 | 2.9\% | 460.4 | 14.7 | 3.1\% | 459.3 | 15.9 | 3.3\% | 458.2 | 17.0 | 3.6\% |
| me7 | 324430 | 2004 | wet | October | Used in Summary Table Analysis | 341.6 | 332.2 | 9.4 | 2.8\% | 331.3 | 10.4 | 3.0\% | 330.3 | 11.3 | 3.3\% | 329.4 | 12.3 | 3.6\% | 328.4 | 13.2 | 3.9\% | 327.5 | 14.2 | 4.2\% |
| ME7 | 324430 | 2004 | Wet | November | Used in Summary Table Analysis | 5,925.5 | 5,917.7 | 7.8 | 0.1\% | 5,917.0 | 8.4 | 0.1\% | 5,916.2 | 9.3 | 0.2\% | 5,915.4 | 10.1 | 0.2\% | 5,914.6 | 10.9 | 0.2\% | 5,913.8 | 11.7 | 0.2\% |
| me7 | 324430 | 2004 | wet | December | -- | 36,840.3 | 36,833.3 | 6.9 | 0.0\% | 36,832.2 | 8.1 | 0.0\% | 36,832.2 | 8.1 | 0.0\% | 36,831.0 | 9.3 | 0.0\% | 36,829.9 | 10.4 | 0.0\% | 36,829.9 | 10.4 | 0.0\% |
| ME7 | 324430 | 2004 | Wet | January | - | 31,831.0 | 31,825.2 | 5.8 | 0.0\% | 31,825.2 | 5.8 | 0.0\% | 31,824.1 | 6.9 | 0.0\% | 31,824.1 | 6.9 | 0.0\% | 31,822.9 | 8.1 | 0.0\% | 31,822.9 | 8.1 | 0.0\% |
| me7 | 324430 | 2004 | Wet | February | -- | 38,581.0 | 38,576.4 | 4.6 | 0.0\% | 38,575.2 | 5.8 | 0.0\% | 38,575.2 | 5.8 | 0.0\% | 38,574.1 | 6.9 | 0.0\% | 38,574.1 | 6.9 | 0.0\% | 38,572.9 | 8.1 | 0.0\% |
| ME7 | 324430 | 2004 | Wet | March | - | 16,585.6 | 16,579.9 | 5.8 | 0.0\% | 16,579.9 | 5.8 | 0.0\% | 16,579.9 | 5.8 | 0.0\% | 16,58.7 | 6.9 | 0.0\% | 16,578.7 | 6.9 | 0.0\% | 16,577.5 | 8.1 | 0.0\% |
| me7 | 324430 | 2004 | wet | April | - | 9,498.4 | 9,494.0 | 4.4 | 0.0\% | 9,493.5 | 4.9 | 0.1\% | 9,493.1 | 5.3 | 0.1\% | 9,492.6 | 5.8 | 0.1\% | 9,492.1 | 6.3 | 0.1\% | 9,491.7 | 6.7 | 0.1\% |
| me7 | 324430 | 2004 | Wet | May | - | 3,459.7 | 3,450.6 | 9.1 | 0.3\% | 3,449.7 | 10.1 | 0.3\% | 3,448.7 | 11.0 | 0.3\% | 3,447.8 | 11.9 | 0.3\% | 3,446.9 | 12.8 | 0.4\% | 3,445.9 | 13.8 | 0.4\% |
| ME7 | 324430 | 2004 | Wet | June | - | 704.5 | 692.5 | 11.9 | 1.7\% | 691.4 | 13.1 | 1.9\% | 690.2 | 14.3 | 2.0\% | 689.0 | 15.5 | 2.2\% | 687.8 | 16.7 | 2.4\% | 686.6 | 17.8 | 2.5\% |
| ME7 | 324430 | 2004 | Wet | July | - | 372.2 | 359.2 | 13.0 | 3.5\% | 357.9 | 14.3 | 3.8\% | 356.6 | 15.6 | 4.2\% | 355.3 | 16.9 | 4.6\% | 354.0 | 18.2 | 4.9\% | 352.7 | 19.5 | 5.3\% |
| me7 | 324430 | 2004 | Wet | August | -- | 24.6 | 228.2 | 12.4 | 5.2\% | 226.9 | 13.6 | 5.7\% | 225.7 | 14.9 | 6.2\% | 224.4 | 16.1 | 6.7\% | 223.2 | 17.4 | 7.2\% | 221.9 | 18.6 | 7.7\% |
| me7 | 324430 | 2004 | Wet | September | Used in Summary Table Analysis | 176.7 | 164.8 | 11.9 | 6.7\% | 163.6 | 13.1 | 7.4\% | 162.4 | 14.3 | 8.1\% | 161.2 | 15.5 | 8.8\% | 160.0 | 16.7 | 9.4\% | 158.8 | 17.9 | 10.1\% |
| me7 | 324430 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,840.0 | 7,830.4 | 9.6 | 0.1\% | 7,829.5 | 10.5 | 0.1\% | 7,828.5 | 11.6 | 0.1\% | 7,827.5 | 12.5 | 0.2\% | 7,826.5 | 13.5 | 0.2\% | 7,825.6 | 14.5 | 0.2\% |
| me7 | 324430 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,282.3 | 2,274.8 | 7.5 | 0.3\% | 2,274.0 | 8.3 | 0.4\% | 2,273.3 | 9.0 | 0.4\% | 2,272.5 | 9.8 | 0.4\% | 2,271.6 | 10.6 | 0.5\% | 2,270.9 | 11.3 | 0.5\% |
| ME7 | 324430 | 2005 | Above Normal | December |  | 21,471.1 | 21,465.3 | 5.8 | 0.0\% | 21,464.1 | 6.9 | 0.0\% | 21,463.0 | 8.1 | 0.0\% | 21,463.0 | 8.1 | 0.0\% | 21,461.8 | 9.3 | 0.0\% | 21,460.6 | 10.4 | 0.0\% |
| me7 | 324430 | 2005 | Above Normal | January | - | 22,732.6 | 22,726.9 | 5.8 | 0.0\% | 22,725.7 | 6.9 | 0.0\% | 22,725.7 | 6.9 | 0.0\% | 22,724.5 | 8.1 | 0.0\% | 22,724.5 | 8.1 | 0.0\% | 22,723.4 | 9.3 | 0.0\% |
| me7 | 324430 | 2005 | Above Normal | February | - | 14,075.2 | 14,070.6 | 4.6 | 0.0\% | 14,070.6 | 4.6 | 0.0\% | 14,069.4 | 5.8 | 0.0\% | 14,069.4 | 5.8 | 0.0\% | 14,068.3 | 6.9 | 0.0\% | 14,068.3 | 6.9 | 0.0\% |
| me7 | 324430 | 2005 | Above Normal | March | - | 28,833.3 | 28,828.7 | 4.6 | 0.0\% | 28,828.7 | 4.6 | 0.0\% | 28,828.7 | 4.6 | 0.0\% | 28,827.5 | 5.8 | 0.0\% | 28,827.5 | 5.8 | 0.0\% | 28,826.4 | 6.9 | 0.0\% |
| me7 | 324430 | 2005 | Above Normal | April | - | 21,619.2 | 21,615.7 | 3.5 | 0.0\% | 21,614.6 | 4.6 | 0.0\% | 21,614.6 | 4.6 | 0.0\% | 21,613,4 | 5.8 | 0.0\% | 21,613.4 | 5.8 | 0.0\% | 21,613.4 | 5.8 | 0.0\% |
| me7 | 324430 | 2005 | Above Normal | May | - | 19,778.9 | 19,769.7 | 9.3 | 0.0\% | 19,768.5 | 10.4 | 0.1\% | 19,767.4 | 11.6 | 0.1\% | 19,767.4 | 11.6 | 0.1\% | 19,766.2 | 12.7 | 0.1\% | 19,765.0 | 13.9 | 0.1\% |
| me7 | 324430 | 2005 | Above Normal | June | - | 16,118.1 | 16,104.2 | 13.9 | 0.1\% | 16,103.0 | 15.0 | 0.1\% | 16,101.9 | 16.2 | 0.1\% | 16,09.5 | 18.5 | 0.1\% | 16,098.4 | 19.7 | 0.1\% | 16,097.2 | 20.8 | 0.1\% |
| ME7 | 324430 | 2005 | Above Normal | July | -- | 2,870.5 | 2,857.1 | 13.4 | 0.5\% | 2,855.8 | 14.7 | 0.5\% | 2,854.4 | 16.1 | 0.6\% | 2,853.1 | 17.4 | 0.6\% | 2,851.7 | 18.8 | 0.7\% | 2,850.3 | 20.1 | 0.7\% |
| me7 | 324430 | 2005 | Above Normal | August | -- | 1,001.3 | 989.0 | 12.3 | 1.2\% | 987.8 | 13.5 | 1.4\% | 986.6 | 14.8 | 1.5\% | 985.3 | 16.0 | 1.6\% | 984.1 | 17.2 | 1.7\% | 982.9 | 18.4 | 1.8\% |
| me7 | 324430 | 2005 | Above Normal | September | Used in Summary Table Analysis | 542.8 | 531.8 | 11.0 | 2.0\% | 530.7 | 12.2 | 2.2\% | 529.5 | 13.3 | 2.4\% | 528.5 | 14.4 | 2.6\% | 527.3 | 15.5 | 2.9\% | 526.2 | 16.6 | 3.1\% |
| me7 | 324430 | 2006 | Wet | October | Used in Summary Table Analysis | 654.7 | 645.6 | 9.1 | 1.4\% | 644.7 | 10.0 | 1.5\% | 643.8 | 10.9 | 1.7\% | 642.9 | 11.8 | 1.8\% | 642.0 | 12.7 | 1.9\% | 641.1 | 13.7 | 2.1\% |
| me7 | 324430 | 2006 | Wet | November | Used in Summary Table Analysis | 9,512.5 | 9,505.3 | 7.2 | 0.1\% | 9,504.6 | 7.9 | 0.1\% | 9,503.9 | 8.6 | 0.1\% | 9,503.1 | 9.4 | 0.1\% | 9,502.4 | 10.1 | 0.1\% | 9,501.7 | 10.8 | 0.1\% |
| me7 | 324430 | 2006 | Wet | December | -- | 44,165.5 | 44,159.7 | 5.8 | 0.0\% | 44,158.6 | 6.9 | 0.0\% | 44,157.4 | 8.1 | 0.0\% | 44,157.4 | 8.1 | 0.0\% | 44,156.3 | 9.3 | 0.0\% | 44,156.3 | 9.3 | 0.0\% |
| me7 | 324430 | 2006 | Wet | January | - | 46,898.1 | 46,892.4 | 5.8 | 0.0\% | 46,891.2 | 6.9 | 0.0\% | 46,891.2 | 6.9 | 0.0\% | 46,890.0 | 8.1 | 0.0\% | 46,890.0 | 8.1 | 0.0\% | 46,888.9 | 9.3 | 0.0\% |
| me7 | 324430 | 2006 | Wet | February | - | 26,876.2 | 26,871.5 | 4.6 | 0.0\% | 26,870.4 | 5.8 | 0.0\% | 26,870.4 | 5.8 | 0.0\% | 26,870.4 | 5.8 | 0.0\% | 26,869.2 | 6.9 | 0.0\% | 26,869.2 | 6.9 | 0.0\% |
| ME7 | 324430 | 2006 | Wet | March | -- | 47,635.4 | 47,630.8 | 4.6 | 0.0\% | 47,630.8 | 4.6 | 0.0\% | 47,629.6 | 5.8 | 0.0\% | 47,629.6 | 5.8 | 0.0\% | 47,628.5 | 6.9 | 0.0\% | 47,68.5 | 6.9 | 0.0\% |
| me7 | 324430 | 2006 | Wet | April | - | 30,615.7 | 30,612.3 | 3.5 | 0.0\% | 30,611.1 | 4.6 | 0.0\% | 30,611.1 | 4.6 | 0.0\% | 30,611.1 | 4.6 | 0.0\% | 30,610.0 | 5.8 | 0.0\% | 30,610.0 | 5.8 | 0.0\% |
| ME7 | 324430 | 2006 | Wet | May | -- | 14,317.1 | 14,312.5 | 4.6 | 0.0\% | 14,311.3 | 5.8 | 0.0\% | 14,311.3 | 5.8 | 0.0\% | ${ }^{14,310.2}$ | 6.9 | 0.0\% | ${ }^{14,31020}$ | 6.9 | 0.0\% | 14,309.0 | 8.1 | 0.1\% |
| ME7 | 324430 | 2006 | Wet | June | - | 3,563.0 | 3,551.3 | 11.7 | 0.3\% | 3,550.2 | 12.7 | 0.4\% | 3,549.0 | 14.0 | 0.4\% | 3,547.8 | 15.2 | 0.4\% | 3,546.6 | 16.3 | 0.5\% | 3,545.5 | 17.5 | 0.5\% |
| me7 | 324430 | 2006 | Wet | July | - | 1,299.9 | 1,287.2 | 12.7 | 1.0\% | 1,285.9 | 14.0 | 1.1\% | 1,284.6 | 15.3 | 1.2\% | 1,283.3 | 16.6 | 1.3\% | 1,282.1 | 17.8 | 1.4\% | 1,280.8 | 19.1 | 1.5\% |
| me7 | 324430 | 2006 | Wet | August | -- | 686.1 | 673.6 | 12.6 | 1.8\% | 672.3 | 13.9 | 2.0\% | 671.0 | 15.1 | 2.2\% | 669.7 | 16.4 | 2.4\% | 668.4 | 17.7 | 2.6\% | 667.2 | 18.9 | 2.8\% |
| me7 | 324430 | 2006 | Wet | September | Used in Summary Table Analysis | 445.6 | 434.4 | 11.2 | 2.5\% | 433.3 | 12.3 | 2.8\% | 432.1 | 13.5 | 3.0\% | 431.0 | 14.6 | 3.3\% | 429.9 | 15.7 | 3.5\% | 428.8 | 16.9 | 3.8\% |
| me7 | 324430 | 2007 | Above Normal | October | Used in Summary Table Analysis | 291.4 | 288.2 | 9.3 | 3.2\% | 281.2 | 10.2 | 3.5\% | 280.3 | 11.1 | 3.8\% | 279.4 | 12.1 | 4.1\% | 278.4 | 13.0 | 4.5\% | 277.5 | 13.9 | 4.8\% |
| ME7 | 324430 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,848.8 | 8,841.3 | 7.5 | 0.1\% | 8,840.6 | 8.2 | 0.1\% | 8,839.8 | 9.0 | 0.1\% | 8,839.1 | 9.7 | 0.1\% | 8,838.3 | 10.5 | 0.1\% | 8,837.5 | 11.3 | 0.1\% |
| me7 | 324430 | 2007 | Above Normal | December |  | 20,775.5 | 20,768.5 | 6.9 | 0.0\% | 20,768.5 | 6.9 | 0.0\% | 20,767.4 | 8.1 | 0.0\% | 20,767.4 | 8.1 | 0.0\% | 20,766.2 | 9.3 | 0.0\% | 20,765.0 | 10.4 | 0.1\% |
| me7 | 324430 | 2007 | Above Normal | January | -- | 10,399.2 | 10,343.5 | 5.7 | 0.1\% | 10,343.1 | 6.1 | 0.1\% | 10,342.5 | 6.7 | 0.1\% | 10,341.9 | 7.3 | 0.1\% | 10,341.3 | 7.9 | 0.1\% | 10,340.7 | 8.4 | 0.1\% |
| me7 | 324430 | 2007 | Above Normal | February | - | 30,981.5 | 30,975.7 | 5.8 | 0.0\% | 30,975.7 | 5.8 | 0.0\% | 30,974.5 | 6.9 | 0.0\% | 30,974.5 | 6.9 | 0.0\% | 30,973.4 | 8.1 | 0.0\% | 30,973.4 | 8.1 | 0.0\% |
| me7 | 324430 | 2007 | Above Normal | March | -- | 13,172.5 | 13,167.8 | 4.6 | 0.0\% | 13,167.8 | 4.6 | 0.0\% | 13,166.7 | 5.8 | 0.0\% | 13,166.7 | 5.8 | 0.0\% | 13,165.5 | 6.9 | 0.1\% | 13,165.5 | 6.9 | 0.1\% |
| me7 | 324430 | 2007 | Above Normal | April |  | 11,604.2 | 11,594.9 | 9.3 | 0.1\% | 11,593.8 | 10.4 | 0.1\% | 11,592.6 | 11.6 | 0.1\% | 11,592.6 | 11.6 | 0.1\% | 11,591.4 | 12.7 | 0.1\% | 11,590.3 | 13.9 | 0.1\% |
| ME7 | 324430 | 2007 | Above Normal | May | -- | 4,172.8 | 4,162.0 | 10.8 | 0.3\% | 4,161.0 | 11.8 | 0.3\% | 4,160.0 | 12.8 | 0.3\% | 4,158.9 | 13.9 | 0.3\% | 4,157.8 | 15.0 | 0.4\% | 4,156.7 | 16.1 | 0.4\% |
| me7 | 324430 | 2007 | Above Normal | June | - | 1,523.6 | 1,510.3 | 13.3 | 0.9\% | 1,508.9 | 14.7 | 1.0\% | 1,507.6 | 16.0 | 1.0\% | 1,506.3 | 17.4 | 1.1\% | 1,505.0 | 18.6 | 1.2\% | 1,503.6 | 20.0 | 1.3\% |
| ME7 | 324430 | 2007 | Above Normal | July | -- | 509.6 | 496.0 | 13.6 | 2.7\% | 494.6 | 15.0 | 2.9\% | 493.3 | 16.4 | 3.2\% | 491.9 | 17.7 | 3.5\% | 490.6 | 19.1 | 3.7\% | 489.2 | 20.5 | 4.0\% |
| me7 | 324430 | 2007 | Above Normal | August | - | 238.9 | 226.5 | 12.5 | 5.2\% | 225.2 | 13.7 | 5.7\% | 224.0 | 14.9 | 6.3\% | 222.7 | 16.2 | 6.8\% | 221.5 | 17.4 | 7.3\% | 220.2 | 18.7 | 7.8\% |
| ME7 | 324430 | 2007 | Above Normal | September | Used in Summary Table Analysis | 166.6 | 154.7 | 11.9 | 7.1\% | 153.5 | 13.1 | 7.9\% | 152.3 | 14.3 | 8.6\% | 151.1 | 15.5 | 9.3\% | 14.9 | 16.7 | 10.0\% | 148.7 | 17.9 | 10.7\% |
| me7 | 324430 | 2008 | Dry | October | Used in Summary Table Analysis | 3,503.2 | 3,493.3 | 10.0 | 0.3\% | 3,492.4 | 10.9 | 0.3\% | 3,491.3 | 11.9 | 0.3\% | 3,490.4 | 12.8 | 0.4\% | 3,489.4 | 13.9 | 0.4\% | 3,488.3 | 14.9 | 0.4\% |
| me7 | 324430 | 2008 | Dry | November | Used in Summary Table Analysis | 3,341.0 | 3,333.3 | 7.6 | 0.2\% | 3,332.5 | 8.4 | 0.3\% | 3,331.8 | 9.1 | 0.3\% | 3,331.0 | 10.0 | 0.3\% | 3,330.2 | 10.8 | 0.3\% | 3,329.4 | 11.6 | 0.3\% |
| ME7 | 324430 | 2008 | Dry | December | -- | 23,601.9 | 23,594.9 | 6.9 | 0.0\% | 23,593.8 | 8.1 | 0.0\% | 23,593.8 | 8.1 | 0.0\% | 23,592.6 | 9.3 | 0.0\% | 23,592.6 | 9.3 | 0.0\% | 23,591.4 | 10.4 | 0.0\% |
| ME7 | 324430 | 2008 | Dry | January |  | 37,985.0 | 37,978.0 | 6.9 | 0.0\% | 37,978.0 | 6.9 | 0.0\% | 37,97.9 | 8.1 | 0.0\% | 37,97.9 | 8.1 | 0.0\% | 37,975.7 | 9.3 | 0.0\% | 37,975.7 | 9.3 | 0.0\% |
| me7 | 324430 | 2008 | Dry | February | -- | 26,380.8 | 26,376.2 | 4.6 | 0.0\% | 26,375.0 | 5.8 | 0.0\% | 26,375.0 | 5.8 | 0.0\% | 26,37.8 | 6.9 | 0.0\% | 26,373.8 | 6.9 | 0.0\% | 26,373.8 | 6.9 | 0.0\% |
| ME7 | 324430 | 2008 | Dry | March | -- | 11,847.2 | 11,842.6 | 4.6 | 0.0\% | 11,842.6 | 4.6 | 0.0\% | 11,841.4 | 5.8 | 0.0\% | 11,841.4 | 5.8 | 0.0\% | 11,840.3 | 6.9 | 0.1\% | 11,840.3 | 6.9 | 0.1\% |
| me7 | 324430 | 2008 | Dry | April | - | 9,061.3 | 9,052.1 | 9.3 | 0.1\% | 9,051.3 | 10.1 | 0.1\% | 9,050.3 | 11.0 | 0.1\% | 9,049.4 | 11.9 | 0.1\% | 9,048.5 | 12.8 | 0.1\% | 9,047.6 | 13.8 | 0.2\% |
| ME7 | 324430 | 2008 | Dry | May | - | 1.360.6 | 1,350.7 | 10.0 | 0.7\% | 1,349.7 | 11.0 | 0.8\% | 1,348.6 | 12.0 | 0.9\% | 1,347.7 | 13.0 | 1.0\% | 1,346.6 | 14.0 | 1.0\% | 1,345.6 | 15.0 | 1.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  |  |  |  |  |  | Existing Conditions |  |  | 10\% Pumping Incr |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) | Water Year | Water Year Type | Month | Note | Without Pumping (cfs) | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference |
| me7 | 324430 | 2008 | Dry | June | - | 452.1 | 437.5 | 14.7 | 3.2\% | 436.0 | 16.1 | 3.6\% | 434.5 | 17.6 | 3.9\% | 433.1 | 19.0 | 4.2\% | 431.6 | 20.5 | 4.5\% | 430.2 | 21.9 | 4.9\% |
| ME7 | 324430 | 2008 | Dry | July | - | 2697 | 254.9 | 14.8 | 5.5\% | 253.4 | 16.3 | 6.0\% | 252.0 | 17.7 | 6.6\% | 250.5 | 19.2 | 7.1\% | 24.0 | 20.7 | 7.7\% | 247.5 | 22.2 | 8.2\% |
| ME7 | 324430 | 2008 | Dry | August | -- | 193.7 | 179.2 | 14.5 | 7.5\% | 177.7 | 15.9 | 8.2\% | 176.3 | 17.4 | 9.0\% | 174.8 | 18.8 | 9.7\% | 173.4 | 20.3 | 10.5\% | 171.9 | 21.7 | 11.2\% |
| ME7 | 324430 | 2008 | Dry | September | Used in Summary Table Analysis | 155.1 | 141.0 | 14.1 | 9.1\% | 139.6 | 15.5 | 10.0\% | 138.2 | 16.9 | 10.9\% | 136.8 | 18.3 | 11.8\% | 135.4 | 19.7 | 12.7\% | 133.9 | 21.1 | 13.6\% |
| ME7 | 324430 | 2009 | Critical | October | Used in Summary Table Analysis | 942.9 | 931.6 | 11.3 | 1.2\% | 930.4 | 12.5 | 1.3\% | 929.2 | 13.6 | 1.4\% | 928.1 | 14.8 | 1.6\% | 926.9 | 16.0 | 1.7\% | 925.8 | 17.1 | 1.8\% |
| ME7 7 | 324430 | 2009 | Critical | November | Used in Summary Table Analysis | 5,631.8 | 5,622.9 | 8.9 | 0.2\% | 5,622.1 | 9.7 | 0.2\% | 5,621.2 | 10.6 | 0.2\% | 5,620.3 | 11.6 | 0.2\% | 5,619.3 | 12.5 | 0.2\% | 5,618.5 | 13.3 | 0.2\% |
| ME7 | 324430 | 2009 | Critical | December |  | 12,412.0 | 12,405.1 | 6.9 | 0.1\% | 12,403.9 | 8.1 | 0.1\% | 12,402.8 | 9.3 | 0.1\% | 12,402.8 | 9.3 | 0.1\% | 12,401.6 | 10.4 | 0.1\% | 12,400.5 | 11.6 | 0.1\% |
| ME7 | 324430 | 2009 | Critical | January | - | 8,869.7 | 8,863.0 | 6.7 | 0.1\% | 8,862.4 | 7.3 | 0.1\% | 8,861.7 | 8.0 | 0.1\% | 8,861.0 | 8.7 | 0.1\% | 8,860.3 | 9.4 | 0.1\% | 8,859.6 | 10.1 | 0.1\% |
| ME7 | 324430 | 2009 | Critical | February | -- | 22,822.9 | 22,817.1 | 5.8 | 0.0\% | 22,817.1 | 5.8 | 0.0\% | 22,816.0 | 6.9 | 0.0\% | 22,816.0 | 6.9 | 0.0\% | 22,814.8 | 8.1 | 0.0\% | 22,814.8 | 8.1 | 0.0\% |
| ME 7 | 324430 | 2009 | Critical | March | - | 21,276.6 | 21,272.0 | 4.6 | 0.0\% | 21,270.8 | 5.8 | 0.0\% | 21,270.8 | 5.8 | 0.0\% | 21,269.7 | 6.9 | 0.0\% | 21,269.7 | 6.9 | 0.0\% | 21,268.5 | 8.1 | 0.0\% |
| me7 | 324430 | 2009 | Critical | April | - | 10,117.9 | 10,108.3 | 9.6 | 0.1\% | 10,107.3 | 10.6 | 0.1\% | 10,106.4 | 11.6 | 0.1\% | 10,105.6 | 12.4 | 0.1\% | 10,104.5 | 13.4 | 0.1\% | 10,103.6 | 14.4 | 0.1\% |
| ME7 | 324430 | 2009 | Critical | May | - | 15,66.7 | 15,65.1 | 11.6 | 0.1\% | 15,653.9 | 12.7 | 0.1\% | 15,652.8 | 13.9 | 0.1\% | 15,651.6 | 15.0 | 0.1\% | 15,650.5 | 16.2 | 0.1\% | 15,649.3 | 17.4 | 0.1\% |
| ME7 | 324430 | 2009 | Critical | June | - | 3,175.3 | 3,160.0 | 15.4 | 0.5\% | 3,158.4 | 16.9 | 0.5\% | 3,156.8 | 18.5 | 0.6\% | 3,155.2 | 20.1 | 0.6\% | 3,153.7 | 21.6 | 0.7\% | 3,152.2 | 23.1 | 0.7\% |
| me7 | 324430 | 2009 | Critical | July | - | 1,278.0 | 1,263.0 | 15.0 | 1.2\% | 1,261.6 | 16.4 | 1.3\% | 1,260.1 | 17.9 | 1.4\% | 1,258.4 | 19.6 | 1.5\% | 1,257.1 | 20.9 | 1.6\% | 1,255.6 | 22.5 | 1.8\% |
| me7 | 324430 | 2009 | Critical | August | -- | 684.8 | 670.2 | 14.6 | 2.1\% | 668.8 | 16.0 | 2.3\% | 667.3 | 17.5 | 2.6\% | 665.8 | 19.0 | 2.8\% | 664.4 | 20.4 | 3.0\% | 663.0 | 21.8 | 3.2\% |
| me7 | 324430 | 2009 | Critical | September | Used in Summary Table Analysis | 405.0 | 391.7 | 13.3 | 3.3\% | 390.3 | 14.6 | 3.6\% | 389.0 | 15.9 | 3.9\% | 387.7 | 17.3 | 4.3\% | 386.4 | 18.6 | 4.6\% | 385.0 | 19.9 | 4.9\% |
| ME7 | 324430 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,111.3 | 6,099.8 | 11.6 | 0.2\% | 6,098.6 | 12.7 | 0.2\% | 6,097.5 | 13.9 | 0.2\% | 6,096.3 | 15.0 | 0.2\% | 6,095.3 | 16.1 | 0.3\% | 6,094.1 | 17.2 | 0.3\% |
| ME7 | 324430 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,374.1 | 8,364.8 | 9.3 | 0.1\% | 8,363.9 | 10.2 | 0.1\% | 8,363.0 | 11.1 | 0.1\% | 8,362.0 | 12.0 | 0.1\% | 8,361.1 | 13.0 | 0.2\% | 8,360.2 | 13.9 | 0.2\% |
| me7 | 324430 | 2010 | Below Normal | December |  | 12,519.7 | 12,512.7 | 6.9 | 0.1\% | 12,511.6 | 8.1 | 0.1\% | 12,510.4 | 9.3 | 0.1\% | 12,510.4 | 9.3 | 0.1\% | 12,509.3 | 10.4 | 0.1\% | 12,508.1 | 11.6 | 0.1\% |
| ME7 | 324430 | 2010 | Below Normal | January | - | 36,780.1 | 36,773.1 | 6.9 | 0.0\% | 36,772.0 | 8.1 | 0.0\% | 36,770.8 | 9.3 | 0.0\% | 36,770.8 | 9.3 | 0.0\% | 36,769.7 | 10.4 | 0.0\% | 36,769.7 | 10.4 | 0.0\% |
| me7 | 324430 | 2010 | Below Normal | February | - | 27,400.5 | 27,394.7 | 5.8 | 0.0\% | 27,393.5 | 6.9 | 0.0\% | 27,393.5 | 6.9 | 0.0\% | 27,392.4 | 8.1 | 0.0\% | 27,392.4 | 8.1 | 0.0\% | 27,391.2 | 9.3 | 0.0\% |
| ME7 | 324430 | 2010 | Below Normal | March | - | 28,973.4 | 28,967.6 | 5.8 | 0.0\% | 28,967.6 | 5.8 | 0.0\% | 28,966.4 | 6.9 | 0.0\% | 28,966.4 | 6.9 | 0.0\% | 28,965.3 | 8.1 | 0.0\% | 28,965.3 | 8.1 | 0.0\% |
| ME7 | 324430 | 2010 | Below Normal | April | - | 40,265.0 | 40,259.3 | 5.8 | 0.0\% | 40,259.3 | 5.8 | 0.0\% | 40,258.1 | 6.9 | 0.0\% | 40,258.1 | 6.9 | 0.0\% | 40,256.9 | 8.1 | 0.0\% | 40,256.9 | 8.1 | 0.0\% |
| me7 | 324430 | 2010 | Below Normal | May | - | 20,461.8 | 20,452.5 | 9.3 | 0.0\% | 20,451.4 | 10.4 | 0.1\% | 20,450.2 | 11.6 | 0.1\% | 20,449.1 | 12.7 | 0.1\% | 20,447.9 | 13.9 | 0.1\% | 20,447.9 | 13.9 | 0.1\% |
| ME7 | 324430 | 2010 | Below Normal | June | - | 9,505.1 | 9,490.4 | 14.7 | 0.2\% | 9,489.0 | 16.1 | 0.2\% | 9,487.5 | 17.6 | 0.2\% | 9,486.1 | 19.0 | 0.2\% | 9,484.6 | 20.5 | 0.2\% | 9,483.1 | 22.0 | 0.2\% |
| me7 | 324430 | 2010 | Below Normal | July | - | 1,468.8 | 1,455.2 | 13.5 | 0.9\% | 1,453.8 | 14.9 | 1.0\% | 1,452.4 | 16.3 | 1.1\% | 1,451.0 | 17.7 | 1.2\% | 1,449.7 | 19.1 | 1.3\% | 1,448.4 | 20.4 | 1.4\% |
| ME7 | 324430 | 2010 | Below Normal | August | -- | 587.9 | 575.2 | 12.7 | 2.2\% | 573.9 | 14.0 | 2.4\% | 572.6 | 15.3 | 2.6\% | 571.4 | 16.5 | 2.8\% | 570.2 | 17.7 | 3.0\% | 568.9 | 19.0 | 3.2\% |
| ME7 | 324430 | 2010 | Below Normal | September | Used in Summary Table Analysis | 670.8 | 658.7 | 12.1 | 1.8\% | 657.5 | ${ }^{13.3}$ | 2.0\% | 656.2 | 14.6 | 2.2\% | 655.0 | 15.8 | 2.4\% | 653.8 | 17.0 | 2.5\% | ${ }^{652.6}$ | 18.2 | 2.7\% |
| me7 | 324430 | 2011 | Wet | October | Used in Summary Table Analysis | 9,759.8 | 9,750.5 | 9.4 | 0.1\% | 9,749.5 | 10.3 | 0.1\% | 9,748.6 | 11.2 | 0.1\% | 9,747.7 | 12.2 | 0.1\% | 9,746.8 | 13.1 | 0.1\% | 9,745.8 | 14.0 | 0.1\% |
| MET | 324430 | 2011 | Wet | November | Used in Summary Table Analysis | 14,361.1 | 14,354.2 | 6.9 | 0.0\% | 14,353.0 | 8.1 | 0.1\% | 14,351.9 | ${ }^{9.3}$ | 0.1\% | 14,351.9 | 9.3 | 0.1\% |  | 10.4 | 0.1\% |  | ${ }^{11.6}$ | ${ }^{0.1 \%}$ |
| ME7 | 324430 | 2011 | Wet | December |  | 34,265.0 | 34,258.1 | 6.9 | 0.0\% | 34,258.1 | 6.9 | 0.0\% | 34,256.9 | 8.1 | 0.0\% | 34,256.9 | 8.1 | 0.0\% | 34,25.8 | 9.3 | 0.0\% | 34,255.8 | 9.3 | 0.0\% |
| ME7 | 324430 | 2011 | Wet | January | -- | 14,262.7 | 14,258.1 | 4.6 | 0.0\% | 14,256.9 | 5.8 | 0.0\% | 14,256.9 | 5.8 | 0.0\% | 14,255.8 | 6.9 | 0.0\% | 14,25.8 | 6.9 | 0.0\% | 14,254.6 | 8.1 | 0.1\% |
| ME7 | 324430 | 2011 | Wet | February | - | 20,876.2 | 20,870.4 | 5.8 | 0.0\% | 20,870.4 | 5.8 | 0.0\% | 20,869.2 | 6.9 | 0.0\% | 20,869.2 | 6.9 | 0.0\% | 20,869.2 | 6.9 | 0.0\% | 20,868.1 | 8.1 | 0.0\% |
| ME7 | 324430 | 2011 | Wet | March | - | 52,378.5 | 52,373.8 | 4.6 | 0.0\% | 52,372.7 | 5.8 | 0.0\% | 52,372.7 | 5.8 | 0.0\% | 52,372.7 | 5.8 | 0.0\% | 52,371.5 | 6.9 | 0.0\% | 52,371.5 | 6.9 | 0.0\% |
| ME7 7 | 324330 | 2011 | Wet | April | - | 24,928.2 | 24,923.6 | 4.6 | 0.0\% | 24,922.5 | 5.8 | 0.0\% | 24,922.5 | 5.8 | 0.0\% | 24,921.3 | 6.9 | 0.0\% | 24,921.3 | 6.9 | 0.0\% | 24,921.3 | ${ }^{6} 9$ | 0.0\% |
| ME7 7 | 324430 | 2011 | Wet | May | - | 11,446.3 | 11,437.2 | 9.1 | 0.1\% | 11,436.2 | 10.1 | 0.1\% | 11,435.3 | 11.0 | 0.1\% | 11,434.4 | 11.9 | 0.1\% | 11,433.4 | 12.8 | 0.1\% | 11,432.5 | 13.8 | 0.1\% |
| ME7 | 324430 324330 | 2011 | Wet | June | - | $7,120.8$ 18394 | 7,106.7 | 14.1 | 0.2\% | 7,105.2 | 15.6 | 0.2\% | 7,103.8 | 17.0 | ${ }^{0.2 \%}$ | $7,102.4$ 18208 | 18.4 | 0.3\% | 7,101.0 | 19.8 | 0.3\% | $7,099.7$ <br> 18179 | 21.2 | 0.3\% |
| ME7 | 324430 | 2011 | Wet | July | - | 1,839.4 | 1,825.1 | 14.2 | 0.8\% | 1,823.6 | 15.7 | 0.9\% | 1,822.2 | 17.1 | 0.9\% | 1,820.8 | 18.5 | 1.0\% | 1,819.3 | 20.0 | 1.1\% | 1,817.9 | 21.4 | 1.2\% |
| ME7 | 324430 | 2011 | Wet | August | -- | 793.3 | 780.8 | 12.4 | 1.6\% | 779.6 | 13.7 | 1.7\% | 778.4 | 14.9 | 1.9\% | 777.1 | 16.1 | 2.0\% | 775.9 | 17.4 | 2.2\% | 774.6 | 18.6 | 2.3\% |
| ME7 7 | 324430 | 2011 | Wet | September | Used in Summary Table Analysis | 450.0 | 438.5 | 11.5 | 2.6\% | 437.3 | 12.7 | 2.8\% | 436.2 | 13.8 | ${ }^{3.1 \%}$ | 435.0 | 14.9 | 3.3\% | 433.9 | 16.1 | ${ }_{\text {3.3\% }}$ | 432.7 4.5948 | 17.2 14.2 | 3.8\% |
| ME7 7 | 324430 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,609.0 | 4,599.5 | 9.5 | 0.2\% | 4,598.6 | 10.4 | 0.2\% | 4,597.6 | 11.5 | 0.2\% | 4,596.6 | 12.4 | 0.3\% | 4,599.7 | 13.3 | 0.3\% | 4,594.8 | 14.2 | 0.3\% |
| ME7 | 324430 | 2012 | Below Normal | November | Used in Summary Table Analysis | ${ }^{8,369.4}$ | ${ }^{8,361.8}$ | 7.6 | 0.1\% | ${ }^{8,3661.1}$ | 8.3 | 0.1\% | 8,3603 52356 | 9.1 | ${ }^{0.1 \%}$ | 8,3595 5235 | 10.0 | 0.1\% | $8,358.8$ 53344 | 10.6 8.9 | 0.1\% $0.2 \%$ | $8,358.0$ $5,233,7$ | 11.5 9.6 | 0.1\% $0.2 \%$ |
| ME7 | 324430 | 2012 | Below Normal | December | - | 5,243.3 | 5,236.9 | 6.4 | 0.1\% | 5,236.3 | 6.9 | 0.1\% | 5,235.6 | 7.6 | 0.1\% | 5,235.0 | 8.3 | 0.2\% | 5,234.4 | 8.9 | 0.2\% | $5,233.7$ | 9.6 | 0.2\% |
| ME7 | 324430 | 2012 | Below Normal | January | - | 20,485.0 | 20,479.2 | 5.8 | 0.0\% | 20,479.2 | 5.8 | 0.0\% | 20,478.0 | 6.9 | 0.0\% | 20,478.0 | 6.9 | 0.0\% | 20,476.9 | 8.1 | 0.0\% | 20,476.9 | 8.1 | 0.0\% |
| ME7 | 324430 | 2012 | Below Normal | February | -- | 18,320.6 | 18,314.8 | 5.8 | 0.0\% | 18,314.8 | 5.8 | 0.0\% | 18,313,7 45, | ${ }^{6.9}$ | 0.0\% | 18,313.7 | 6.9 | 0.0\% | 18,312.5 | 8.1 | 0.0\% | $18,312.5$ 458507 | 8.1 8.1 | 0.0\% |
| ME7 | 324430 | 2012 | Below Normal | March |  | 45,858.8 | 45,853.0 | 5.8 | 0.0\% | 45,853.0 | 5.8 | 0.0\% | 45,851.9 | 6.9 | 0.0\% | 45,851.9 | 6.9 | 0.0\% | 45,851.9 | 6.9 | 0.0\% | 45,850.7 | 8.1 | 0.0\% $0.0 \%$ 0.0 |
| ME7 | 324430 | 2012 | Below Normal | April | - | $27,016.2$ <br> 7522 | $27,011.6$ 775132 | ${ }^{4.6}$ | 0.0\% | $27,011.6$ 7 | 4.6 | 0.0\% | $27,010.4$ 7 75113 | 5.8 | 0.0\% | $27,010.4$ 750.4 | 5.8 | 0.0\% $0.2 \%$ | $27,010.4$ 7,5096 | 5.8 12.8 | 0.0\% $0.2 \%$ | $27,009.3$ $7,508.7$ | 6.9 13.8 | 0.0\% $0.2 \%$ |
| ME7 ME 7 | 324430 324430 | 2012 | Below Normal Below Normal | May June | $\cdots$ | $7,522.5$ $5,579.7$ | 7,513.2 $5,565.3$ | 9.3 14.5 | 0.1\% | 7,512.3 $5,563.9$ | $\begin{aligned} & 10.2 \\ & 15.9 \\ & \hline \end{aligned}$ | 0.1\% | $7,511.3$ 5.562 .4 | 11.1 17.4 | 0.1\% | $7,510.4$ 5.561 .0 | 12.0 18.8 | - $0.2 \%$ | $7,509.6$ 5.559 .6 | 12.8 20.1 | $0.2 \%$ $0.4 \%$ | $7,508.7$ 5.558 .1 | 13.8 <br> 21.6 <br> 1.8 | $0.2 \%$ $0.4 \%$ |
| ME7 7 | 324430 | 2012 | Below Normal | July | - | 2,265.3 | 2,251.4 | 13.9 | 0.6\% | 2,250.0 | 15.3 | 0.7\% | 2,248.6 | 16.7 | 0.7\% | 2,247.2 | 18.1 | 0.8\% | 2,245.8 | 19.4 | 0.9\% | 2,244.4 | 20.8 | 0.9\% |
| ME7 | 324430 | 2012 | Below Normal | August | -- | 401.7 | 390.2 | 11.5 | 2.9\% | 389.0 | 12.7 | 3.1\% | 387.9 | 13.8 | 3.4\% | 386.8 | 14.9 | 3.7\% | 385.6 | 16.1 | 4.0\% | 384.5 | 17.2 | 4.3\% |
| ME7 | 324430 | 2012 | Below Normal | September | Used in Summary Table Analysis | 265.1 | 254.7 | 10.4 | 3.9\% | 253.7 | 11.4 | 4.3\% | 252.6 | 12.5 | 4.7\% | 251.6 | 13.5 | 5.1\% | 250.5 | 14.5 | 5.5\% | 249.5 | 15.6 | 5.9\% |
| ME7 | 324430 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,958.0 | 1,949.0 | 9.0 | 0.5\% | 1,948.0 | 10.0 | 0.5\% | 1,947.1 | 10.9 | 0.6\% | 1,946.2 | 11.8 | 0.6\% | 1,945.3 | 12.7 | 0.7\% | $1,944.3$ | 13.7 | 0.7\% |
| ME7 | 324430 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,923.6 | 14,916.7 | 6.9 | 0.0\% | 14,915.5 | 8.1 | 0.1\% | 14,914.4 | 9.3 | 0.1\% | 14,914,4 | 9.3 | 0.1\% | 14,913.2 | 10.4 | 0.1\% | 14,912.0 | 11.6 | 0.1\% |
| ME7 7 | 324430 | 2013 | Below Normal | December | -- | 60,516.2 | 60,509.3 | 6.9 | 0.0\% | 60,508.1 | ${ }^{8.1}$ | 0.0\% | 60,508.1 22,361 | 8.1 | 0.0\% | 60,506.9 | ${ }^{9.3}$ | 0.0\% | $60,506.9$ 22349 | 9.3 69 | 0.0\% | $60,505.8$ 223438 | 10.4 81 | 0.0\% |
| ME7 | 324430 | 2013 | Below Normal | January | - | 22,351.9 | 22,347.2 | 4.6 | 0.0\% | 22,346.1 | 5.8 | 0.0\% | 22,346.1 | 5.8 | 0.0\% | 22,344.9 | 6.9 | 0.0\% | 22,344.9 | 6.9 | 0.0\% | 22,343.8 | 8.1 | 0.0\% |
| ME7 | 324430 | 2013 | Below Normal | February | - | 8,9919.6 | 8,914.6 | 5.0 | 0.1\% | 8,914.0 | 5.6 | 0.1\% | $8,813.5$ | ${ }^{6.0}$ | 0.1\% | 8,913.1 | 6.5 | 0.1\% | $8,912.5$ | 7.1 | ${ }^{0.1 \%}$ | $8,812.0$ | 7.5 | 0.1\% |
| ME 7 ME 7 | 324430 324430 | 2013 2013 | Below Normal Below Normal | ${ }_{\text {March }}^{\substack{\text { April }}}$ | $\cdots$ | $10,442.9$ $8,328.1$ | $10,438.1$ $8,319.3$ | 4.9 8.8 | 0.0\% | $10,437.6$ $8,318.5$ | 5.3 9.6 | 0.1\% | $\underset{\substack{10,437.2 \\ 8,317.6}}{ }$ | 5.8 10.5 | 0.1\% | 10,436.7 $8,316.7$ | 6.3 11.5 | 0.1\% | $10,436.1$ $8,315.9$ | 6.8 12.3 | 0.1\% | $10,435.6$ $8,314.9$ | 7.3 13.2 | 0.1\% |
| me7 | 324430 | 2013 | Below Normal | May | - | 4,477.8 | 4,467.0 | 10.8 | 0.2\% | 4,466.0 | 11.8 | 0.3\% | 4,464.9 | 12.8 | 0.3\% | 4,463.8 | 14.0 | 0.3\% | 4,462.7 | 15.0 | 0.3\% | 4,461.7 | 16.1 | 0.4\% |
| ME7 | 324430 | 2013 | Below Normal | June | - | 2,129.5 | 2,116.2 | 13.3 | 0.6\% | 2,114.9 | 14.6 | 0.7\% | 2,113.7 | 15.9 | 0.7\% | 2,112.3 | 17.2 | 0.8\% | 2,111.0 | 18.5 | 0.9\% | 2,109.6 | 19.9 | 0.9\% |
| ME7 | 324430 | 2013 | Below Normal | July | - | 729.5 | 716.4 | 13.1 | 1.8\% | 715.1 | 14.4 | 2.0\% | 713.8 | 15.7 | 2.2\% | 712.5 | 17.0 | 2.3\% | 711.2 | 18.4 | 2.5\% | 709.8 | 19.7 | 2.7\% |
| ME7 7 | 324430 | 2013 | Below Normal | August |  | 354.6 | 342.2 | 12.4 | 3.5\% | 341.0 | 13.6 | 3.8\% | 3397 | 14.9 | 4.2\% | 338.5 | 16.1 | 4.5\% | 33773 | 17.3 | 4.9\% | 336.0 | 18.6 | 5.2\% |
| ME7 | 324430 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,855.3 | 4,842.5 | 12.8 | 0.3\% | 4,841.2 | 14.1 | 0.3\% | 4,839.9 | 15.4 | 0.3\% | 4,838.5 | 16.8 | 0.3\% | 4,837.3 | 18.1 | 0.4\% | 4,836.0 | 19.3 | 0.4\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | FlowWithout Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Incre |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| me7 | 324430 | 2019 | Below Normal |  | February | -- | 142,500.0 | 142, 48.4 | 11.6 | 0.0\% | 142, 888.4 | 11.6 | 0.0\% | 142, 888.4 | 11.6 | 0.0\% | 142,488.4 | 11.6 | 0.0\% | 142,488.4 | 11.6 | 0.0\% | 142,48.4 | 11.6 | 0.0\% |
| ME7 | 324430 | 2019 | Below Normal | March | -- | 42,613.4 | 42,608.8 | 4.6 | 0.0\% | 42,607.6 | 5.8 | 0.0\% | 42,607.6 | 5.8 | 0.0\% | 42,606.5 | 6.9 | 0.0\% | 42,606.5 | 6.9 | 0.0\% | 42,606.5 | 6.9 | 0.0\% |
| ME7 | 324430 | 2019 | Below Normal | April | - | 15,356.5 | 15,351.9 | 4.6 | 0.0\% | 15,351.9 | 4.6 | 0.0\% | 15,350.7 | 5.8 | 0.0\% | 15,350.7 | 5.8 | 0.0\% | 15,350.7 | 5.8 | 0.0\% | 15,399.5 | 6.9 | 0.0\% |
| ME7 | 324430 | 2019 | Below Normal | May |  | 17,354.2 | 17,344.9 | 9.3 | 0.1\% | 17,343.8 | 10.4 | 0.1\% | 17,342.6 | 11.6 | 0.1\% | 17,341.4 | 12.7 | 0.1\% | 17,341.4 | 12.7 | 0.1\% | 17,340.3 | 13.9 | 0.1\% |
| ME7 | 324430 | 2019 | Below Normal | June | - | 4,247.2 | 4,234.5 | 12.7 | 0.3\% | 4,233.2 | 14.0 | 0.3\% | 4,231.9 | 15.3 | 0.4\% | 4,230.7 | 16.6 | 0.4\% | 4,229.4 | 17.8 | 0.4\% | 4,228.1 | 19.1 | 0.4\% |
| ME7 7 | 324430 | 2019 | Below Normal | July | - | 1,382.3 | 1,369.1 | 13.2 | 1.0\% | 1,367.8 | 14.5 | 1.0\% | 1,366.6 | 15.7 | 1.1\% | 1,365.2 | 17.1 | 1.2\% | 1,363.9 | 18.4 | 1.3\% | 1,362.6 | 19.7 | 1.4\% |
| ME7 | 324430 | 2019 | Below Normal | August | -- | 616.6 | 604.1 | 12.6 | 2.0\% | 602.8 | 13.8 | 2.2\% | 601.6 | 15.1 | 2.4\% | 600.3 | 16.3 | 2.7\% | 599.0 | 17.6 | 2.9\% | 597.8 | 18.9 | 3.1\% |
| ME7 | 324430 | 2019 | Below Normal | September | Used in Summary Table Analysis | 480.5 | 468.7 | 11.8 | 2.5\% | 467.5 | 13.0 | 2.7\% | 466.4 | 14.2 | 3.0\% | 465.2 | 15.3 | 3.2\% | 464.0 | 16.6 | 3.4\% | 462.8 | 17.7 | 3.7\% |
| ME7 | 324430 | 2020 | Dry | October | Used in Summary Table Analysis | 370.4 | 361.3 | 9.1 | 2.5\% | 360.4 | 10.0 | 2.7\% | 359.5 | 10.9 | 2.9\% | 358.6 | 11.8 | 3.2\% | 357.7 | 12.8 | 3.4\% | 356.7 | 13.7 | 3.7\% |
| ME7 | 324430 | 2020 | Dry | November | Used in Summary Table Analysis | 344.2 | 337.0 | 7.2 | 2.1\% | 336.2 | 7.9 | 2.3\% | 335.5 | 8.7 | 2.5\% | 334.8 | 9.4 | 2.7\% | 334.0 | 10.1 | 2.9\% | 333.3 | 10.9 | 3.2\% |
| me7 | 324430 | 2020 | Dry | December - |  | 13,678.2 | 13,672.5 | 5.8 | 0.0\% | 13,671.3 | 6.9 | 0.1\% | 13,67.3 | 6.9 | 0.1\% | 13,670.1 | 8.1 | 0.1\% | 13,670.1 | 8.1 | 0.1\% | 13,669.0 | 9.3 | 0.1\% |
| ME7 | 324430 | 2020 | Dry | January | -- | 22,638.9 | 22,633.1 | 5.8 | 0.0\% | 22,633.1 | 5.8 | 0.0\% | 22,631.9 | 6.9 | 0.0\% | 22,631.9 | 6.9 | 0.0\% | 22,630.8 | 8.1 | 0.0\% | 22,630.8 | 8.1 | 0.0\% |
| ME7 | 324430 | 2020 | Dry | February |  | 7,430.6 | 7,425.5 | 5.1 | 0.1\% | 7,425.0 | 5.6 | 0.1\% | 7,424.4 | 6.1 | 0.1\% | 7,424.0 | 6.6 | 0.1\% | 7,423.4 | 7.2 | 0.1\% | 7,422.9 | 7.6 | 0.1\% |
| ME7 | 324430 | 2020 | Dry | March | - | 7,304.3 | 7,299.5 | 4.7 | 0.1\% | 7,299.1 | 5.2 | 0.1\% | 7,298.6 | 5.7 | 0.1\% | 7,298.1 | 6.1 | 0.1\% | 7,297.6 | 6.7 | 0.1\% | 7,297.1 | 7.2 | 0.1\% |
| ME7 | 324430 | 2020 | Dry | April | - | 5,548.7 | 5,539.5 | 9.3 | 0.2\% | 5,538.4 | 10.3 | 0.2\% | 5,537.5 | 11.2 | 0.2\% | 5,536.6 | 12.2 | 0.2\% | 5,535.6 | ${ }^{13.1}$ | 0.2\% | 5,534.7 | 14.0 | 0.3\% |
| me7 | 324430 | 2020 | Dry | May | - | 7,460.5 | 7,449.3 | 11.2 | 0.2\% | 7,448.1 | 12.4 | 0.2\% | 7,447.0 | 13.5 | 0.2\% | 7,445.8 | 14.7 | 0.2\% | 7,444.7 | 15.9 | 0.2\% | 7,443.5 | 17.0 | 0.2\% |
| ME7 | 324430 | 2020 | Dry | June | - | 2,111.3 | 2,096.1 | 15.3 | 0.7\% | 2,094.6 | 16.8 | 0.8\% | 2,093.1 | 18.3 | 0.9\% | 2,091.4 | 19.9 | 0.9\% | 2,089.9 | 21.4 | 1.0\% | 2,088.4 | 22.9 | 1.1\% |
| ME7 | 324430 | 2020 | Dry | July | - | 810.6 | 795.3 | 15.3 | 1.9\% | 793.8 | 16.9 | 2.1\% | 792.2 | 18.4 | 2.3\% | 790.7 | 19.9 | 2.5\% | 789.2 | 21.4 | 2.6\% | 787.7 | 23.0 | 2.8\% |
| me7 | 324430 | 2020 | Dry | August | -- | 414.1 | 398.9 | 15.2 | 3.7\% | 397.4 | 16.7 | 4.0\% | 395.9 | 18.2 | 4.4\% | 394.4 | 19.7 | 4.8\% | 392.9 | 21.3 | 5.1\% | 391.3 | 22.8 | 5.5\% |
| ME7 | 324430 | 2020 | Dry | September | Used in Summary Table Analysis | 263.3 | 249.4 | 13.9 | 5.3\% | 248.0 | 15.3 | 5.8\% | ${ }^{246.6}$ | 16.7 | 6.3\% | 245.2 | 18.0 | 6.9\% | ${ }^{243.8}$ | 19.4 | 7.4\% | 242.4 | 20.8 | 7.9\% |
| ME7 | 324331 | 2000 | Above Normal | October | Used in Summary Table Analysis | 840.9 | 831.2 | 9.6 | 1.1\% | 830.3 | 10.6 | 1.3\% | 829.3 | 11.6 | 1.4\% | 828.3 | 12.5 | 1.5\% | 827.3 | 13.5 | 1.6\% | 826.4 | 14.5 | 1.7\% |
| ME7 | 324331 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,436.3 | 12,429.4 | 6.9 | 0.1\% | 12,428.2 | 8.1 | 0.1\% | 12,427.1 | 9.3 | 0.1\% | 12,425.9 | 10.4 | 0.1\% | 12,425.9 | 10.4 | 0.1\% | 12,424.8 | 11.6 | 0.1\% |
| ME7 | 324331 | 2000 | Above Normal | December - |  | 10,981.7 | 10,975.3 | 6.4 | 0.1\% | 10,974.8 | 6.9 | 0.1\% | 10,974.1 | 7.6 | 0.1\% | 10,973.4 | 8.3 | 0.1\% | 10,972.8 | 8.9 | 0.1\% | 10,972.1 | 9.6 | 0.1\% |
| me7 | 324331 | 2000 | Above Normal | January | -- | 29,104.2 | 29,098.4 | 5.8 | 0.0\% | 29,098.4 | 5.8 | 0.0\% | 29,097.2 | 6.9 | 0.0\% | 29,097.2 | 6.9 | 0.0\% | 29,096.1 | 8.1 | 0.0\% | 29,096.1 | 8.1 | 0.0\% |
| ME7 | 324331 | 2000 | Above Normal | February - | -- | 37,387.7 | 37,381.9 | 5.8 | 0.0\% | 37,381.9 | 5.8 | 0.0\% | 37,380.8 | 6.9 | 0.0\% | 37,380.8 | 6.9 | 0.0\% | 37,379.6 | 8.1 | 0.0\% | 37,379.6 | 8.1 | 0.0\% |
| me7 | 324331 | 2000 | Above Normal | March |  | 18,424.8 | 18,420.1 | 4.6 | 0.0\% | 18,420.1 | 4.6 | 0.0\% | 18,420.1 | 4.6 | 0.0\% | 18,419.0 | 5.8 | 0.0\% | 18,419.0 | 5.8 | 0.0\% | 18,417.8 | 6.9 | 0.0\% |
| ME7 | 324331 | 2000 | Above Normal | April | - | 12,400.5 | 12,395.8 | 4.6 | 0.0\% | 12,395.8 | 4.6 | 0.0\% | 12,394.7 | 5.8 | 0.0\% | 12,394.7 | 5.8 | 0.0\% | 12,394.7 | 5.8 | 0.0\% | 12,393.5 | 6.9 | 0.1\% |
| ME7 | 324331 | 2000 | Above Normal | May | - | 7,167.4 | 7,158.2 | 9.1 | 0.1\% | 7,157.3 | 10.1 | 0.1\% | 7,156.5 | 10.9 | 0.2\% | 7,155.6 | 11.8 | 0.2\% | 7,154.6 | 12.7 | 0.2\% | 7,153.7 | 13.7 | 0.2\% |
| me7 | 324331 | 2000 | Above Normal | June | - | 2,643.5 | 2,629.6 | 13.9 | 0.5\% | 2,628.1 | 15.4 | 0.6\% | 2,626.7 | 16.8 | 0.6\% | 2,625.3 | 18.2 | 0.7\% | 2,624.0 | 19.6 | 0.7\% | 2,622.6 | 20.9 | 0.8\% |
| ME7 | 324331 | 2000 | Above Normal | July | - | 1,010.6 | 997.4 | 13.2 | 1.3\% | 996.1 | 14.5 | 1.4\% | 994.8 | 15.8 | 1.6\% | 993.5 | 17.1 | 1.7\% | 992.1 | 18.4 | 1.8\% | 990.8 | 19.8 | 2.0\% |
| ME7 | 324331 | 2000 | Above Normal | August | -- | 541.5 | 529.0 | 12.5 | 2.3\% | 527.8 | 13.7 | 2.5\% | 526.5 | 15.0 | 2.8\% | 525.3 | 16.2 | 3.0\% | 524.0 | 17.5 | 3.2\% | 522.8 | 18.7 | 3.5\% |
| ME7 | 324331 <br> 32431 <br> 2431 | 2000 | Above Normal | September | Used in Summary Table Analysis | 313.1 3894 | 301.8 | 11.3 9 | ${ }^{3.5 \%}$ | 300.7 <br> 3884 | 12.4 | 4.0\% | 299.6 | 13.5 | 4.3\% | 298.4 | 14.6 | 4.7\% | 297.3 | 15.8 | 5.0\% | 296.2 38802 | 16.9 | 5.4\% |
| ME7 | 324331 | 2001 | Dry | October | Used in Summary Table Analysis | 3,894.4 | 3,885.0 | 9.5 | 0.2\% | 3,884.0 | 10.4 | 0.3\% | 3,883,1 | 11.3 | 0.3\% | 3,882.2 | 12.3 | 0.3\% | 3,881.1 | 13.3 | 0.3\% | 3,880.2 | 14.2 | 0.4\% |
| ME7 | 324331 | 2001 | Dry | November | Used in Summary Table Analysis | 6,247.5 | 6,239.9 | 7.5 | 0.1\% | 6,239.2 | 8.2 | 0.1\% | 6,238.4 | 9.0 | 0.1\% | 6,237.7 | 9.7 | 0.2\% | 6,236.9 | 10.5 | 0.2\% | 6,236.1 | 11.3 | 0.2\% |
| ME7 | 324331 32331 | 2001 | Dry | December - |  | ${ }^{8,9662.4}$ | 8,955.9 | 6.5 | 0.1\% | ${ }^{8,9555.3}$ | 7.1 | 0.1\% | ${ }^{8,954.6}$ | 7.8 | 0.1\% | 8,953.9 | 8.4 | 0.1\% | 8,953.4 | 9.0 | 0.1\% | 8,952.7 | 9.7 | 0.1\% |
| ME7 | 324331 | 2001 | Dry | January |  | 13,020.8 | 13,016.2 | 4.6 | 0.0\% | 13,015.0 | 5.8 | 0.0\% | 13,015.0 | 5.8 | 0.0\% | 13,013.9 | ${ }^{6.9}$ | 0.1\% | 13,013.9 | ${ }_{6}^{6.9}$ | ${ }^{0.1 \%}$ | ${ }^{13,0121.7}$ | 8.1 | 0.1\% |
| ME7 | 324331 | 2001 | Dry | February | -- | 17,619.2 | 17,614.6 | 4.6 | 0.0\% | 17,613.4 | 5.8 58 | 0.0\% | $17,613.4$ 112369 | 5.8 5 5 | 0.0\% | 17,613.4 | ${ }_{5}^{5.8}$ | 0.0\% | $17,612.3$ 12,3681 | 6.9 6.9 | 0.0\% $0.1 \%$ | $17,612.3$ 123681 12, | 6.9 6.9 | 0.0\% $0.1 \%$ 0.0 |
| ME7 | 324331 | 2001 | Dry | March | -- | 12,375.0 | 12,370.4 | 4.6 | 0.0\% | 12,369.2 | 5.8 | 0.0\% | 12,369.2 | 5.8 | 0.0\% | 12,369.2 | 5.8 | 0.0\% | 12,368.1 | 6.9 | 0.1\% | 12,368.1 | 6.9 | 0.1\% |
| MET 7 | 324331 | 2001 | Dry | April | - | 11,053.9 | 11,044.6 | 9.4 | 0.1\% | 11,043.6 | 10.3 | 0.1\% | 11,042.6 | 11.3 | 0.1\% | 11,041.7 | 12.3 | 0.1\% | 11,040.7 | 13.2 | 0.1\% | 11,039.8 | 14.1 | 0.1\% |
| MET 7 | 324331 32331 | 2001 | Dry | May | - | 2,644.11 | 2,632.8 | 11.3 | 0.4\% | $2,631.6$ <br> 2858 | 12.5 | 0.5\% | 2,630.4 | 13.7 | 0.5\% | 2,629.4 | 14.7 | 0.6\% | 2,628.2 | 15.9 | 0.6\% | 2,627.1 | 17.0 | 0.6\% |
| ME7 7 | 324331 | 2001 | Dry | June | - | 2,703.2 | 2,687.4 | 15.9 | 0.6\% | 2,685.8 | 17.5 | 0.6\% | 2,684.1 | 19.1 | 0.7\% | 2,682.5 | 20.7 | 0.8\% | 2,680.9 | 22.3 | 0.8\% | 2,679.4 | 23.8 | 0.9\% |
| ME7 | 324331 | 2001 | Dry | July | - | 729.9 189 | 714.6 1783 | 15.3 | 2.1\% | 713.0 | 16.8 | 2.3\% | 711.4 1702 | 18.4 | ${ }_{\text {2.5\% }}$ | 709.9 1686 | 19.9 | 2.7\% | 708.4 | 21.5 21.0 | 2.9\% | 706.9 165.7 | 23.0 <br> 22.5 | 3.1\% |
| ME7 | 324331 | 2001 | Dry | August | -- | 188.1 | 173.3 | 14.9 | 7.9\% | 171.7 | 16.4 | 8.7\% | 170.2 | 18.0 | 9.6\% | 168.6 | 19.5 | 10.4\% | 167.2 | ${ }^{21.0}$ | 11.2\% | 165.7 | 22.5 | 11.9\% |
| ME7 | 324331 | 2001 | Dry | September | Used in Summary Table Analysis | 111.9 | 98.3 | 13.6 | 12.1\% | 96.9 | 15.0 | 13.4\% | 95.5 | 16.4 | 14.6\% | 94.0 | 17.9 | 16.0\% | 92.7 | 19.2 | 17.1\% | 91.4 | 20.5 | 18.4\% |
| MET 7 | 324331 | 2002 | Below Normal | October | Used in Summary Table Analysis | 283.1 | 27.5 | 11.5 | 4.1\% | 270.4 | 12.7 | 4.5\% | 269.2 | 13.9 | 4.9\% | ${ }_{2678}^{267.8}$ | 15.2 | 5.4\% | ${ }^{266.7}$ | 16.3 | 5.8\% | ${ }^{2655.5}$ | 17.5 139 | ${ }^{6.2 \%}$ |
| ME7 | 324331 | 2002 | Below Normal | November | Used in Summary Table Analysis | 12,189.8 | 12,180.6 | 9.3 | 0.1\% | 12,179.4 | 10.4 | 0.1\% | 12,178.2 | 11.6 | 0.1\% | 12,178.2 | 11.6 | 0.1\% | 12,177.1 | 12.7 | 0.1\% | 12,175.9 | 13.9 | $0.1 \%$ $0.0 \%$ 0 |
| ME7 | 324331 32331 | 2002 | Below Normal | December | -- | $36,158.6$ $31,178.2$ | $36,150.5$ 311713 | 8.1 | 0.0\% | $36,149.3$ 311701 | 9.3 8.1 | 0.0\% | $36,149.3$ 31,1701 | 9.3 81 | 0.0\% | $36,148.1$ 31269 | 10.4 | 0.0\% $0.0 \%$ | $36,147.0$ $31,169.0$ | ${ }_{9.3}^{11.6}$ | 0.0\% $0.0 \%$ 0 | $36,145.8$ <br> 31,1678 <br> 2,87 | 12.7 10.4 | 0.0\% $0.0 \%$ 0 |
| ME7 ME 7 | 324331 324331 | 2002 | Below Normal Below Normal | January February | .- | $31,178.2$ $24,858.8$ | $31,171.3$ $24,833.0$ | 6.9 5.8 | 0.0\% $0.0 \%$ | $31,170.1$ $24,853.0$ | $\begin{aligned} & 8.1 \\ & 5.8 \end{aligned}$ | 0.0\% $0.0 \%$ | $31,170.1$ $24,851.9$ | 8.1 6.9 | $0.0 \%$ $0.0 \%$ | $31,169.0$ $24,851.9$ | 9.3 6.9 | $0.0 \%$ $0.0 \%$ | $31,169.0$ $24,850.7$ | 9.3 8.1 | 0.0\% | $31,167.8$ $24,850.7$ | 10.4 8.1 | 0.0\% |
| ME7 | 324331 | 2002 | Below Normal | March | -- | 17,922.5 | 17,916.7 | 5.8 | 0.0\% | 17,916.7 | 5.8 | 0.0\% | 17,915.5 | 6.9 | 0.0\% | 17,914.4 | 8.1 | 0.0\% | 17,914.4 | 8.1 | 0.0\% | 17,913.2 | ${ }_{9}^{9.1}$ | 0.1\% |
| ME7 | 324331 | 2002 | Below Normal | April | - | 9,983.0 | 9,973.5 | 9.5 | 0.1\% | 9,972.5 | 10.5 | 0.1\% | 9,971.5 | 11.5 | 0.1\% | 9,970.5 | 12.5 | 0.1\% | 9,969.6 | 13.4 | 0.1\% | 9,968.6 | 14.4 | 0.1\% |
| ME7 | 324331 | 2002 | Below Normal | May | - | 3,344.1 | 3,332.9 | 11.2 | 0.3\% | 3,331.7 | 12.4 | 0.4\% | 3,330.6 | 13.5 | 0.4\% | 3,329.4 | 14.7 | 0.4\% | 3,328.2 | 15.9 | 0.5\% | 3,327.1 | 17.0 | 0.5\% |
| ME7 | 324331 | 2002 | Below Normal | June | - | 869.2 | 855.8 | 13.3 | 1.5\% | 854.5 | 14.6 | 1.7\% | 853.2 | 16.0 | 1.8\% | ${ }^{851.8}$ | 17.3 | 2.0\% | 850.5 | 18.7 | 2.1\% | 849.1 | 20.0 | 2.3\% |
| ME7 | 324331 | 2002 | Below Normal | July | - | 378.5 | 364.7 | 13.7 | 3.6\% | 363.4 | 15.1 | 4.0\% | 362.0 | 16.5 | 4.4\% | 360.6 | 17.9 | 4.7\% | 359.2 | 19.3 | 5.1\% | 357.8 | 20.6 | 5.5\% |
| MET 7 | 324331 | 2002 | Below Normal | August | -- | 245.1 | 232.1 | 13.1 | 5.3\% | 230.8 | 14.4 | 5.9\% | 229.4 | 15.7 | ${ }^{6.4 \%}$ | 228.1 | 17.0 | 6.9\% | 226.8 | 18.3 | 7.5\% | 22.5 152.5 12.4 | 19.6 | 8.0\% 10.4\% |
| ME7 | 324331 | 2002 | Below Normal | September | Used in Summary Table Analysis | 181.2 | 168.7 | 12.5 | 6.9\% | 167.4 | 13.8 | 7.6\% | 166.2 | 15.0 | 8.3\% | 164.9 | 16.3 | 9.0\% | 163.6 | 17.5 | 9.7\% | 162.4 | 18.8 | $10.4 \%$ $10.8 \%$ |
| ME7 | 324331 | 2003 | Wet | October | Used in Summary Table Analysis | 145.8 | 135.4 | 10.4 | 7.1\% | 134.3 | 11.5 | 7.9\% | 133.3 | 12.5 | 8.6\% | 132.2 | 13.6 | 9.3\% | 131.1 | 14.6 | 10.0\% | 130.1 | 15.7 | 10.8\% |
| ME 7 ME 7 | 324331 324331 | 2003 2003 | Wet Wet | November December | Used in Summary Table Analysis | 917.2 $57,934.0$ | 908.7 $57,927.1$ | 8.5 6.9 | 0.9\% | 907.8 $57,925.9$ | 9.4 8.1 | 1.0\% $0.0 \%$ | 907.0 $57,925.9$ | 10.2 8.1 | 1.1\% | 906.1 $57,924.8$ | 11.1 9.3 | $1.2 \%$ $0.0 \%$ | 905.2 $57,923.6$ | 12.0 10.4 | 1.3\% | 904.4 $57,93.6$ | 12.9 10.4 | 1.4\% 0.0\% |
| me7 | 324331 | 2003 | wet | January | -- | 31,759.3 | 31,753.5 | 5.8 | 0.0\% | 31,752.3 | 6.9 | 0.0\% | 31,752.3 | 6.9 | 0.0\% | 31,751.2 | 8.1 | 0.0\% | 31,750.0 | 9.3 | 0.0\% | 31,750.0 | 9.3 | 0.0\% |
| ME7 | 324331 | 2003 | Wet | February |  | 20,476.9 | 20,471.1 | 5.8 | 0.0\% | 20,469.9 | 6.9 | 0.0\% | 20,469.9 | 6.9 | 0.0\% | 20,468.8 | 8.1 | 0.0\% | 20,468.8 | 8.1 | 0.0\% | 20,467.6 | 9.3 | 0.0\% |
| ME7 | 324331 | 2003 | Wet | March | -- | 24,224.5 | 24,219.9 | 4.6 | 0.0\% | 24,218.8 | 5.8 | 0.0\% | 24,218.8 | 5.8 | 0.0\% | 24,217.6 | 6.9 | 0.0\% | 24,217.6 | 6.9 | 0.0\% | 24,216.4 | 8.1 | 0.0\% |
| ME7 7 | 324331 | ${ }_{2}^{2003}$ | Wet | April | - | 43,377.3 | 43,372.7 | 4.6 | 0.0\% | 43,371.5 | 5.8 | 0.0\% | 43,371.5 | 5.8 | 0.0\% | 43,370.4 | 6.9 | 0.0\% | 43,370.4 | 6.9 | 0.0\% | 43,369.2 | 8.1 | 0.0\% |
|  | 324331 | 2003 | Wet | May | - | 12,287.0 | 12,277.8 | 9.3 | 0.1\% | 12,276.6 | 10.4 | 0.1\% | 12,275.5 | 11.6 | 0.1\% | 12,274.3 | 12.7 | 0.1\% | 12,273.1 | 13.9 | 0.1\% | 12,272.0 | 15.0 | 0.1\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | FlowWithout Pumping (cfs) | Existing Conditions |  |  | 10\% Pumping Increa |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference |
| me7 | 324331 | 2003 | Wet |  | June | - | 3,186.0 | 3,173.3 | 12.7 | 0.4\% | 3,172.0 | 14.0 | 0.4\% | 3,170.7 | 15.3 | 0.5\% | 3,169.4 | 16.6 | 0.5\% | 3,168.2 | 17.8 | 0.6\% | 3,167.0 | 19.0 | 0.6\% |
| ME7 | 324331 | 2003 | Wet | July | - | 1,496.1 | 1,482.5 | 13.5 | 0.9\% | 1,481.1 | 14.9 | 1.0\% | 1,479.7 | 16.3 | 1.1\% | 1,478.4 | 17.7 | 1.2\% | 1,477.1 | 19.0 | 1.3\% | 1,475.7 | 20.4 | 1.4\% |
| ME7 | 324331 | 2003 | Wet | August | -- | 781.1 | 767.9 | 13.2 | 1.7\% | 766.6 | 14.5 | 1.9\% | 765.3 | 15.8 | 2.0\% | 763.9 | 17.2 | 2.2\% | 762.6 | 18.5 | 2.4\% | 761.3 | 19.9 | 2.5\% |
| ME7 | 324331 | 2003 | Wet | September | Used in Summary Table Analysis | 477.6 | 466.0 | 11.6 | 2.4\% | 464.8 | 12.7 | 2.7\% | 463.7 | 13.9 | 2.9\% | 462.5 | 15.1 | 3.2\% | 461.4 | 16.2 | 3.4\% | 460.2 | 17.4 | 3.6\% |
| ME7 | 324331 | 2004 | Wet | October | Used in Summary Table Analysis | 344.0 | 334.3 | 9.7 | 2.8\% | 333.4 | 10.6 | 3.1\% | 332.4 | 11.6 | 3.4\% | 331.4 | 12.6 | 3.7\% | 330.4 | 13.6 | 3.9\% | 329.4 | 14.5 | 4.2\% |
| me7 | 324331 | 2004 | Wet | November | Used in Summary Table Analysis | 5,936.9 | 5,929.1 | 7.9 | 0.1\% | 5,928.2 | 8.7 | 0.1\% | 5,927.4 | 9.5 | 0.2\% | 5,926.6 | 10.3 | 0.2\% | 5,925.8 | 11.1 | 0.2\% | 5,925.0 | 11.9 | 0.2\% |
| me7 | 324331 | 2004 | Wet | December | -- | 36,886.6 | 36,879.6 | 6.9 | 0.0\% | 36,879,6 | 6.9 | 0.0\% | 36,878.5 | 8.1 | 0.0\% | 36,877.3 | 9.3 | 0.0\% | 36,877.3 | 9.3 | 0.0\% | 36,876.2 | 10.4 | 0.0\% |
| ME7 | 324331 | 2004 | Wet | January | -- | 31,863.4 | 31,857.6 | 5.8 | 0.0\% | 31,857.6 | 5.8 | 0.0\% | 31,856.5 | 6.9 | 0.0\% | 31,856.5 | 6.9 | 0.0\% | 31,855.3 | 8.1 | 0.0\% | 31,85.3 | 8.1 | 0.0\% |
| ME7 | 324331 | 2004 | Wet | February |  | 38,612.3 | 38,607.6 | 4.6 | 0.0\% | 38,606.5 | 5.8 | 0.0\% | 38,606.5 | 5.8 | 0.0\% | 38,605.3 | 6.9 | 0.0\% | 38,605.3 | 6.9 | 0.0\% | 38,604.2 | 8.1 | 0.0\% |
| ME7 | 324331 | 2004 | Wet | March |  | 16,591.4 | 16,586.8 | 4.6 | 0.0\% | 16,586.8 | 4.6 | 0.0\% | 16,585.6 | 5.8 | 0.0\% | 16,585.6 | 5.8 | 0.0\% | 16,584.5 | 6.9 | 0.0\% | 16,584.5 | 6.9 | 0.0\% |
| me7 | 324331 | 2004 | wet | April | - | 9,503.9 | 9,499.4 | 4.5 | 0.0\% | 9,499.0 | 5.0 | 0.1\% | 9,498.5 | 5.4 | 0.1\% | 9,498.0 | 5.9 | 0.1\% | 9,497.6 | 6.4 | 0.1\% | 9,497.1 | 6.8 | 0.1\% |
| me7 | 324331 | 2004 | wet | May | - | 3,464.4 | 3,455.1 | 9.3 | 0.3\% | 3,454.2 | 10.2 | 0.3\% | 3,453.2 | 11.1 | 0.3\% | 3,452.3 | 12.0 | 0.3\% | 3,451.4 | 13.0 | 0.4\% | 3,450.5 | 13.9 | 0.4\% |
| ME7 | 324331 | 2004 | Wet | June | - | 706.6 | 694.4 | 12.2 | 1.7\% | 693.2 | 13.4 | 1.9\% | 692.0 | 14.6 | 2.1\% | 690.8 | 15.8 | 2.2\% | 689.6 | 17.0 | 2.4\% | 688.4 | 18.2 | 2.6\% |
| me7 | 324331 | 2004 | wet | July | -- | 374.5 | 361.3 | 13.3 | 3.6\% | 359.9 | 14.6 | 3.9\% | 358.6 | 16.0 | 4.3\% | 357.3 | 17.3 | 4.6\% | 355.9 | 18.6 | 5.0\% | 354.6 | 20.0 | 5.3\% |
| MET 7 | 324331 | 2004 | Wet | August | $\square$ | 242.8 | 230.1 | 12.7 | 5.2\% | 228.9 | 13.9 | 5.7\% | 227.6 | 15.2 | 6.3\% | 226.3 | 16.5 | 6.8\% | 225.0 | 17.8 | 7.3\% | 223.8 | 19.0 | 7.8\% |
| me7 | 324331 | 2004 | wet | September | Used in Summary Table Analysis | 178.8 | 166.6 | 12.2 | 6.8\% | 165.4 | 13.4 | 7.5\% | 164.2 | 14.6 | 8.2\% | 163.0 | 15.8 | 8.8\% | 161.7 | 17.1 | 9.5\% | 160.5 | 18.3 | 10.2\% |
| ME7 | 324331 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,854.6 | 7,844.8 | 9.8 | 0.1\% | 7,843.8 | 10.9 | 0.1\% | 7,842.8 | 11.8 | 0.2\% | 7,841.8 | 12.8 | 0.2\% | 7,840.7 | 13.9 | 0.2\% | 7,839.8 | 14.8 | 0.2\% |
| ME7 | 324331 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,285.5 | 2,277.8 | 7.8 | 0.3\% | 2,277.0 | 8.6 | 0.4\% | 2,276.2 | 9.4 | 0.4\% | 2,275.3 | 10.2 | 0.4\% | 2,274.7 | 10.9 | 0.5\% | 2,273.8 | 11.7 | 0.5\% |
| me7 | 324331 | 2005 | Above Normal | December |  | 21,510.4 | 21,503.5 | 6.9 | 0.0\% | 21,503,5 | 6.9 | 0.0\% | 21,502.3 | 8.1 | 0.0\% | 21,502.3 | 8.1 | 0.0\% | 21,501.2 | 9.3 | 0.0\% | 21,500.0 | 10.4 | 0.0\% |
| MET 7 | 324331 | 2005 | Above Normal | January | - | 22,762.7 | 22,756.9 | 5.8 | 0.0\% | 22,756.9 | 5.8 | 0.0\% | 22,755.8 | 6.9 | 0.0\% | 22,755.8 | 6.9 | 0.0\% | 22,754.6 | 8.1 | 0.0\% | 22,754.6 | 8.1 | 0.0\% |
| ME7 | 324331 | 2005 | Above Normal | February | -- | 14,082.2 | 14,077.5 | 4.6 | 0.0\% | 14,076.4 | 5.8 | 0.0\% | 14,076.4 | 5.8 | 0.0\% | 14,076.4 | 5.8 | 0.0\% | 14,075.2 | 6.9 | 0.0\% | 14,075.2 | 6.9 | 0.0\% |
| ME7 | 324331 | 2005 | Above Normal | March | -- | 28,858.8 | 28,853.0 | 5.8 | 0.0\% | 28,853.0 | 5.8 | 0.0\% | 28,853.0 | 5.8 | 0.0\% | 28,851.9 | 6.9 | 0.0\% | 28,851.9 | 6.9 | 0.0\% | 28,850.7 | 8.1 | 0.0\% |
| ME7 | 324331 | 2005 | Above Normal | April | -- | 21,636.6 | 21,631.9 | 4.6 | 0.0\% | 21,630.8 | 5.8 | 0.0\% | 21,630.8 | 5.8 | 0.0\% | 21,629.6 | 6.9 | 0.0\% | 21,629.6 | 6.9 | 0.0\% | 21,629.6 | 6.9 | 0.0\% |
| me7 | 324331 | 2005 | Above Normal | May | -- | 19,798.6 | 19,789.4 | 9.3 | 0.0\% | 19,788.2 | 10.4 | 0.1\% | 19,787.0 | 11.6 | 0.1\% | 19,785.9 | 12.7 | 0.1\% | 19,784.7 | 13.9 | 0.1\% | 19,784.7 | 13.9 | 0.1\% |
| MET 7 | 324331 | 2005 | Above Normal | June | - | 16,141.2 | 16,126.2 | 15.0 | 0.1\% | 16,125.0 | 16.2 | 0.1\% | 16,123.8 | 17.4 | 0.1\% | 16,122.7 | 18.5 | 0.1\% | 16,120.4 | 20.8 | 0.1\% | 16,119.2 | 22.0 | 0.1\% |
| ME7 | 324331 | 2005 | Above Normal | July | -- | 2,872.2 | 2,858.6 | 13.7 | 0.5\% | 2,857.2 | 15.0 | 0.5\% | 2,855.8 | 16.4 | 0.6\% | 2,854.5 | 17.7 | 0.6\% | 2,853.1 | 19.1 | 0.7\% | 2,851.7 | 20.5 | 0.7\% |
| ME7 | 324331 | 2005 | Above Normal | August | -- | 1,004.0 | 991.5 | 12.5 | 1.2\% | 990.2 | 13.8 | 1.4\% | 988.9 | 15.0 | 1.5\% | 987.7 | 16.3 | 1.6\% | 986.4 | 17.5 | 1.7\% | 985.2 | 18.8 | 1.9\% |
| ME7 | 324331 | 2005 | Above Normal | September | Used in Summary Table Analysis | 545.4 | 534.1 | 11.3 | 2.1\% | 533.0 | 12.4 | 2.3\% | 531.8 | 13.6 | 2.5\% | 530.7 | 14.7 | 2.7\% | 529.6 | 15.8 | 2.9\% | 528.4 | 16.9 | 3.1\% |
| me7 | 324331 | 2006 | Wet | October | Used in Summary Table Analysis | 657.4 | 648.1 | 9.3 | 1.4\% | 647.2 | 10.2 | 1.6\% | 646.3 | 11.2 | 1.7\% | 645.3 | 12.1 | 1.8\% | 644.4 | 13.0 | 2.0\% | 643.4 | 14.0 | 2.1\% |
| ME7 | 324331 | 2006 | Wet | November | Used in Summary Table Analysis | 9,531.4 | 9,524.0 | 7.4 | 0.1\% | 9,523.3 | 8.1 | 0.1\% | 9,522.6 | 8.8 | 0.1\% | ${ }^{9,521.8}$ | 9.6 | 0.1\% | ${ }^{9,521.1}$ | 10.3 | 0.1\% | 9,520.3 | ${ }^{11.1}$ | 0.1\% |
| ME7 | 324331 | 2006 | Wet | December |  | 44,224.5 | 44,217.6 | 6.9 | 0.0\% | 44,216.4 | 8.1 | 0.0\% | 44,216.4 | 8.1 | 0.0\% | 44,215.3 | 9.3 | 0.0\% | 44,215.3 | 9.3 | 0.0\% | 44,214.1 | 10.4 | 0.0\% |
| ME7 | 324331 324331 | 2006 | Wet | January | - | 46,951.4 | 46,945.6 | 5.8 | ${ }^{0.0 \%}$ | 46,944.4 | ${ }_{5}^{6.9}$ | 0.0\% | $46,944.4$ 268935 | 6.9 | 0.0\% | $46,943.3$ 268935 | 8.1 | 0.0\% | $46,943.3$ 26,8924 | 8.1 | 0.0\% | $46,942.1$ 26892.4 | ${ }^{9.3}$ | 0.0\% |
| ME7 | 324331 | 2006 | Wet | February | - | 26,900.5 | 26,894.7 | 5.8 | 0.0\% | 26,894.7 | 5.8 | 0.0\% | 26,893.5 | 6.9 | 0.0\% | 26,893.5 | 6.9 | 0.0\% | 26,892.4 | 8.1 | 0.0\% | 26,892.4 | 8.1 | 0.0\% |
| ME7 | 324331 32431 | 2006 | Wet | March | - | 47,678.2 30,6343 | $47,673.6$ <br> 30,629 <br> 1 | 4.6 4 | 0.0\% | 47,673.6 | 4.6 | 0.0\% | $47,672.5$ 30,628 | 5.8 58 | 0.0\% | $47,672.5$ 30,6285 | 5.8 58 | 0.0\% | $47,671.3$ 30,623 | ${ }_{6}^{6.9}$ | 0.0\% | 47,671.3 | ${ }_{6}^{6.9}$ | 0.0\% |
| $\begin{aligned} & \text { ME } 7 \\ & \text { MET } \end{aligned}$ | 324331 324331 | 2006 2006 | Wet Wet | April May | $\cdots$ | $30,634.3$ $14,328.7$ | $30,629.6$ $14,322.9$ | 4.6 5.8 | - $0.0 \%$ | $30,629.6$ $14,321.8$ | 4.6 6.9 | - 0 | $30,628.5$ $14,321.8$ | 5.8 6.9 | 0.0\% | $30,628.5$ $14,320.6$ | 5.8 8.1 | 0.0\% | $30,627.3$ $14,320.6$ | 6.9 8.1 | - $0.0 \%$ | $30,627.3$ $14,319.4$ | ${ }_{9.3}^{6.9}$ | - |
| ME7 | 324331 | 2006 | Wet | June | -- | 3,565.6 | 3,553.7 | 11.9 | 0.3\% | 3,552.5 | 13.1 | 0.4\% | 3,551.4 | 14.2 | 0.4\% | 3,550.1 | 15.5 | 0.4\% | 3,549.0 | 16.7 | 0.5\% | 3,547.8 | 17.8 | 0.5\% |
| me7 | 324331 | 2006 | wet | July | -- | 1,302.9 | 1,289.8 | 13.1 | 1.0\% | 1,288.5 | 14.4 | 1.1\% | 1,287.3 | 15.6 | 1.2\% | 1,286.0 | 16.9 | 1.3\% | 1,284,6 | 18.3 | 1.4\% | 1,283.3 | 19.6 | 1.5\% |
| ME7 | 324331 | 2006 | Wet | August | -- | 688.9 | 676.1 | 12.9 | 1.9\% | 674.8 | 14.2 | 2.1\% | 673.5 | 15.4 | 2.2\% | 672.2 | 16.8 | 2.4\% | 670.9 | 18.1 | 2.6\% | 669.6 | 19.3 | 2.8\% |
| ME7 | 324331 | 2006 | Wet | September | Used in Summary Table Analysis | 448.2 | 436.7 | 11.5 | 2.6\% | 435.6 | 12.6 | 2.8\% | 438.4 | 13.8 | 3.1\% | 433.3 | 14.9 | 3.3\% | 432.1 | 16.1 | 3.5\% | 437.0 | 17.2 | 3.8\% |
| ME7 | 324331 | 2007 | Above Normal | October | Used in Summary Table Analysis | 293.8 | 284.3 | 9.5 | 3.2\% | 283.3 | 10.4 | 3.5\% | 282.4 | 11.4 | 3.9\% | 281.4 | ${ }^{12.3}$ | 4.2\% | 280.5 | 13.3 | 4.5\% | 279.5 | 14.3 | 4.9\% |
| ME7 | 324331 32431 | 2007 | Above Normal | November | Used in Summary Table Analysis | $8,865.6$ 208079 ce, | $8,857.9$ 208009 | 7.8 <br> 69 | ${ }^{0.1 \%}$ | $8,857.1$ 20,800 | 8.6 69 | 0.1\% | $8,856.4$ 209998 | ${ }^{9.3}$ | 0.1\% | $8,855.6$ 205998 | 10.1 81 | ${ }^{0.1 \%}$ | $8,854.7$ 20598 20, | 10.9 | ${ }^{0.1 \%}$ | $8,853.9$ 207975 | 11.7 | ${ }^{0.1 \%}$ |
| ME ME7 | 324331 | 2007 | Above Norral Above Normal | December January |  | $20,807.9$ $10,358.8$ 1, | $20,800.9$ 10,353 | $\begin{aligned} & 6.9 \\ & 5.8 \end{aligned}$ | 0.0\% | $20,80.9$ $10,352.4$ | $\begin{aligned} & 6.9 \\ & 6.4 \end{aligned}$ | 0.0\% | $20,799.8$ $10,351.9$ | 8.1 6.9 | 0.0\% | $20,799.8$ $10,351.3$ | 8.1 7.5 | 0.0\% | $20,798.6$ $10,350.7$ | 9.3 8.1 | 0.0\% | $20,797.5$ 10,30.1 | 10.4 8.7 | - |
| ME7 | 324331 324331 | 2007 | Above Normal | January | -- | $10,358.8$ $31,017.4$ | ${ }^{1010,012.7}$ | ${ }_{4}^{5.6}$ | 0.0\% | ${ }_{310,011.6}^{10,659.4}$ | ${ }_{5}^{6.4}$ | 0.0\% | ${ }_{31,0111.6}^{10,09.9}$ | 5.8 | 0.0\% | ${ }_{31,010.4}^{10,31.3}$ | 6.9 | 0.0\% | ${ }_{\text {31,010.4 }}$ | ${ }_{6}^{8.9}$ | 0.0\% | ${ }_{31,009.3}^{10,397 .}$ | 8.1 8.1 | 0.0\% |
| ME7 | 324331 | 2007 | Above Normal | March | - | 13,180.6 | 13,174.8 | 5.8 | 0.0\% | 13,174.8 | 5.8 | 0.0\% | 13,173.6 | 6.9 | 0.1\% | 13,173.6 | 6.9 | 0.1\% | 13,173.6 | 6.9 | 0.1\% | 13,172.5 | 8.1 | 0.1\% |
| ME7 | 324331 | 2007 | Above Normal | April | -- | 11,611.1 | 11,601.9 | 9.3 | 0.1\% | 11,600.7 | 10.4 | 0.1\% | 11,600.7 | 10.4 | 0.1\% | 11,599.5 | 11.6 | 0.1\% | 11,598.4 | 12.7 | 0.1\% | 11,597.2 | 13.9 | 0.1\% |
| ME7 | 324331 | 2007 | Above Normal | May | -- | 4,176.9 | 4,166.0 | 10.9 | 0.3\% | 4,164.9 | 11.9 | 0.3\% | 4,163.8 | ${ }^{33.1}$ | 0.3\% | 4,162.7 | 14.1 | 0.3\% | 4,161.6 | 15.3 | 0.4\% | 4,160.5 | 16.3 | 0.4\% |
| me7 | 324331 | 2007 | Above Normal | June | -- | 1,526.9 | 1,513.2 | 13.7 | 0.9\% | 1,511.8 | 15.0 | 1.0\% | 1,510.4 | 16.4 | 1.1\% | 1,509.1 | 17.7 | 1.2\% | 1,507.8 | 19.1 | 1.3\% | 1,506.4 | 20.5 | 1.3\% |
| me7 | 324331 | 2007 | Above Normal | July | - | 511.8 | 497.9 | 13.9 | 2.7\% | 496.5 | 15.3 | 3.0\% | 495.1 | 16.7 | 3.3\% | 493.7 | 18.1 | 3.5\% | 492.3 | 19.5 | 3.8\% | 490.9 | 20.9 | 4.1\% |
| ME7 | 324331 | 2007 | Above Normal | August | -- | 241.2 | 228.5 | 12.7 | 5.3\% | 227.2 | 14.0 | 5.8\% | 225.9 | 15.3 | 6.3\% | 224.7 | 16.5 | 6.9\% | 223.4 | 17.8 | 7.4\% | 222.1 | 19.1 | 7.9\% |
| ME7 | 324331 | 2007 | Above Normal | September | Used in Summary Table Analysis | 168.8 | 156.6 | 12.2 | 7.2\% | 155.4 | 13.4 | 7.9\% | 154.2 | 14.6 | 8.7\% | 153.0 | 15.8 | 9.4\% | 151.7 | 17.1 | 10.1\% | 150.5 | 18.3 | 10.8\% |
| ME7 | 324331 | 2008 | Dry | October | Used in Summary Table Analysis | 3,510.1 | 3,500.0 | 10.1 | 0.3\% | 3,499.0 | 11.1 | 0.3\% | 3,497.9 | 12.2 | 0.3\% | 3,496.9 | 13.2 | 0.4\% | 3,495.9 | 14.1 | 0.4\% | 3,994.9 | 15.2 | 0.4\% |
| me7 | 324331 | 2008 | Dry | November | Used in Summary Table Analysis | 3,347.6 | 3,339.8 | 7.8 | 0.2\% | 3,339.0 | 8.6 | 0.3\% | 3,338.2 | 9.4 | 0.3\% | 3,337.4 | 10.2 | 0.3\% | 3,336.6 | 11.0 | 0.3\% | 3,335.8 | 11.8 | 0.4\% |
| me7 | 324331 | 2008 | Dry | December |  | 23,643.5 | 23,636.6 | 6.9 | 0.0\% | 23,636.6 | 6.9 | 0.0\% | 23,635.4 | 8.1 | 0.0\% | 23,634.3 | 9.3 | 0.0\% | 23,634.3 | 9.3 | 0.0\% | 23,633.1 | 10.4 | 0.0\% |
| me7 | 324331 | 2008 | Dry | January | -- | 38,025.5 | 38,018.5 | 6.9 | 0.0\% | 38,018.5 | 6.9 | 0.0\% | 38,017.4 | 8.1 | 0.0\% | 38,017.4 | 8.1 | 0.0\% | 38,016.2 | 9.3 | 0.0\% | 38,016.2 | 9.3 | 0.0\% |
| ME7 | 324331 | 2008 | Dry | February | -- | 26,392.4 | 26,386.6 | 5.8 | 0.0\% | 26,386.6 | 5.8 | 0.0\% | 26,385.4 | 6.9 | 0.0\% | 26,385.4 | 6.9 | 0.0\% | 26,384.3 | 8.1 | 0.0\% | 26,384.3 | 8.1 | 0.0\% |
| ME7 | 324331 | 2008 | Dry | March | - | 11,853.0 | 11,848.4 | 4.6 | 0.0\% | 11,848.4 | 4.6 | 0.0\% | 11,847.2 | 5.8 | 0.0\% | 11,847.2 | 5.8 | 0.0\% | 11,846.1 | 6.9 | 0.1\% | 11,846.1 | 6.9 | 0.1\% |
| ME7 | 324331 | 2008 | Dry | April | - | 9,066.4 | 9,057.2 | 9.3 | 0.1\% | 9,056.3 | 10.2 | 0.1\% | $9,055.3$ | 11.1 | 0.1\% | 9,054.4 | 12.0 | 0.1\% | $9,053.5$ | 13.0 | 0.1\% | 9,052.5 | 13.9 | ${ }^{0.2 \%}$ |
| ME7 | 324331 | 2008 | Dry | May | - | 1,361.8 | 1,351.6 | 10.2 | 0.7\% | 1,350.7 | 11.1 | 0.8\% | 1,349.7 | 12.2 | 0.9\% | 1,348.6 | 13.2 | 1.0\% | 1,347.6 | 14.2 | 1.0\% | 1,346.6 | 15.2 | 1.1\% $4.9 \%$ |
| ME 7 MET | 324331 324331 | 2008 2008 | Dry Dry | June July | -- | 454.3 271.8 | 439.3 256.7 | 15.0 15.1 | $3.3 \%$ $5.6 \%$ | 437.8 255.2 | 16.5 16.6 | $3.6 \%$ $6.1 \%$ | 436.4 253.7 | 18.0 18.1 | $4.0 \%$ $6.7 \%$ | 434.9 252.1 | 19.5 19.7 | 4.3\% $7.2 \%$ | 433.4 250.6 | 21.0 21.2 | 4.6\% $7.8 \%$ | 431.9 249.1 | 22.4 22.7 | 4.9\% |
| ME7 | 324331 | 2008 | Dry | August |  | 195.8 | 180.9 | 14.8 | 7.6\% | 179.4 | 16.3 | 8.3\% | 178.0 | 17.8 | 9.1\% | 176.5 | 19.3 | 9.9\% | 175.0 | 20.8 | 10.6\% | 173.5 | 22.2 | 11.4\% |
| ME7 | 324331 | 2008 | Dry | September | Used in Summary Table Analysis | 157.1 | 142.7 | 14.4 | 9.2\% | 141.3 | 15.9 | 10.1\% | 139.8 | 17.3 | 11.0\% | 138.4 | 18.8 | 11.9\% | 136.9 | 20.2 | 12.9\% | 135.5 | 21.7 | 13.8\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locationn of finterest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interes | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | Existing Conditions |  |  | mping Increase |  |  | 20\% Pumping Increas |  |  | 30\% Pumping Increas |  |  | 40\% Pumping Increase |  |  | 50\% Pumping increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| me7 | 324331 | 2014 | Critical |  | February | - | 15,872.7 | 15,868.1 | 4.6 | 0.0\% | 15,866.9 | 5.8 | 0.0\% | 15,866.9 | 5.8 | 0.0\% | 15,865.7 | 6.9 | 0.0\% | 15,865.7 | 6.9 | 0.0\% | 15,864.6 | 8.1 | 0.1\% |
| ME7 | 324331 | 2014 | Critical | March | - | 31,637.7 | 31,633.1 | 4.6 | 0.0\% | 31,631.9 | 5.8 | 0.0\% | 31,631.9 | 5.8 | 0.0\% | 31,631.9 | 5.8 | 0.0\% | 31,630.8 | 6.9 | 0.0\% | 31,630.8 | 6.9 | 0.0\% |
| ME7 | 324331 | 2014 | Critical | April | - | 13,042.8 | 13,033.6 | 9.3 | 0.1\% | 13,032.4 | 10.4 | 0.1\% | 13,031.3 | 11.6 | 0.1\% | 13,031.3 | 11.6 | 0.1\% | 13,030.1 | 12.7 | 0.1\% | 13,028.9 | 13.9 | 0.1\% |
| ME7 | 324331 | 2014 | Critical | May | - | 5,224.1 | 5,212.6 | 11.5 | 0.2\% | 5,211.5 | 12.6 | 0.2\% | 5,210.3 | 13.8 | 0.3\% | 5,209.1 | 14.9 | 0.3\% | 5,208.0 | 16.1 | 0.3\% | 5,206.8 | 17.2 | 0.3\% |
| ME7 | 324331 | 2014 | Critical | June | - | 1,216.3 | 1,200.1 | 16.2 | 1.3\% | 1,198.5 | 17.8 | 1.5\% | 1,196.9 | 19.4 | 1.6\% | 1,195.3 | 21.1 | 1.7\% | 1,193.6 | 22.7 | 1.9\% | 1,192.0 | 24.3 | 2.0\% |
| ME7 | 324331 | 2014 | Critical | July | - | 560.2 | 544.9 | 15.4 | 2.7\% | 543.3 | 16.9 | 3.0\% | 541.8 | 18.4 | 3.3\% | 540.3 | 20.0 | 3.6\% | 538.7 | 21.5 | 3.8\% | 537.2 | 23.0 | 4.1\% |
| ME7 | 324331 | 2014 | Critical | August | -- | 364.8 | 350.0 | 14.8 | 4.0\% | 348.6 | 16.3 | 4.5\% | 347.1 | 17.7 | 4.9\% | 345.6 | 19.2 | 5.3\% | 344.1 | 20.7 | 5.7\% | 342.7 | 22.2 | 6.1\% |
| me7 | 324331 | 2014 | Critical | September | Used in Summary Table Analysis | 2,613.5 | 2,599.0 | 14.6 | 0.6\% | 2,597.5 | 16.1 | 0.6\% | 2,596.1 | 17.5 | 0.7\% | 2,594.6 | 19.0 | 0.7\% | 2,593.1 | 20.5 | 0.8\% | 2,591.7 | 21.9 | 0.8\% |
| ME7 | 324331 | 2015 | Dry | October | Used in Summary Table Analysis | 11,995.0 | 11,483.7 | 11.3 | 0.1\% | 11,482.5 | 12.5 | 0.1\% | 11,481.4 | 13.7 | 0.1\% | 11,479.6 | 15.4 | 0.1\% | 11,478.5 | 16.6 | 0.1\% | 11,477.3 | 17.7 | 0.2\% |
| ME7 | 324331 | 2015 | Dry | November | Used in Summary Table Analysis | 9,176.4 | 9,167.6 | 8.8 | 0.1\% | 9,166.8 | 9.6 | 0.1\% | 9,165.9 | 10.5 | 0.1\% | 9,164.9 | 11.5 | 0.1\% | 9,164.1 | 12.3 | 0.1\% | 9,163.2 | 13.2 | 0.1\% |
| ME7 | 324331 | 2015 | Dry | December - | -- | 33,120.4 | 33,13.4 | 6.9 | 0.0\% | 33,112.3 | 8.1 | 0.0\% | 33,12.3 | 8.1 | 0.0\% | 33,111.1 | 9.3 | 0.0\% | 33,110.0 | 10.4 | 0.0\% | 33,110.0 | 10.4 | 0.0\% |
| ME7 | 324331 | 2015 | Dry | January | - | 14,656.3 | 14,649.3 | 6.9 | 0.0\% | 14,648.1 | 8.1 | 0.1\% | 14,648.1 | 8.1 | 0.1\% | 14,647.0 | 9.3 | 0.1\% | 14,647.0 | 9.3 | 0.1\% | 14,645.8 | 10.4 | 0.1\% |
| me7 | 324331 | 2015 | Dry | February - | - | 27,436.3 | 27,430.6 | 5.8 | 0.0\% | 27,429.4 | 6.9 | 0.0\% | 27,429.4 | 6.9 | 0.0\% | 27,428.2 | 8.1 | 0.0\% | 27,428.2 | 8.1 | 0.0\% | 27,427.1 | 9.3 | 0.0\% |
| ME7 | 324331 | 2015 | Dry | March | - | 11,620.4 | 11,615.7 | 4.6 | 0.0\% | 11,614.6 | 5.8 | 0.0\% | 11,614.6 | 5.8 | 0.0\% | 11,614,6 | 5.8 | 0.0\% | 11,613.4 | 6.9 | 0.1\% | 11,613.4 | 6.9 | 0.1\% |
| ME7 | 324331 | 2015 | Dry | April | - | 8,519.7 | 8,510.3 | 9.4 | 0.1\% | 8,509.3 | 10.4 | 0.1\% | 8,508.3 | 11.3 | 0.1\% | 8,507.4 | 12.3 | 0.1\% | 8,506.5 | 13.2 | 0.2\% | 8,505.4 | 14.2 | 0.2\% |
| ME7 | 324331 | 2015 | Dry | may | $=$ | 1,517.6 | 1,506.3 | 11.3 | 0.7\% | 1,505.2 | 12.4 | 0.8\% | 1,504.1 | 13.5 | 0.9\% | 1,502.9 | 14.7 | 1.0\% | 1,501.7 | 15.9 | 1.0\% | 1,500.6 | 17.0 | 1.1\% |
| ME7 | 324331 | 2015 | Dry | June | - | 665.4 | 650.2 | 15.2 | 2.3\% | 648.7 | 16.7 | 2.5\% | 647.2 | 18.2 | 2.7\% | 645.7 | 19.7 | 3.0\% | 644.2 | 21.3 | 3.2\% | 642.6 | 22.8 | 3.4\% |
| ME7 | 324331 | 2015 | Dry | July | - | 282.3 | 267.1 | 15.2 | 5.4\% | 265.6 | 16.7 | 5.9\% | 264.1 | 18.2 | 6.5\% | 262.5 | 19.8 | 7.0\% | 261.0 | 21.3 | 7.5\% | 259.5 | 22.8 | 8.1\% |
| ME7 | 324331 | 2015 | Dry | August | -- | 182.4 | 167.7 | 14.7 | 8.1\% | 166.2 | 16.2 | 8.9\% | 164.7 | 17.7 | 9.7\% | 163.3 | 19.2 | 10.5\% | 161.8 | 20.7 | 11.3\% | 160.3 | 22.1 | 12.1\% |
| ME7 | 324331 | 2015 | Dry | September | Used in Summary Table Analysis | 135.2 | 121.8 | 13.3 | 9.9\% | 120.5 | 14.7 | 10.9\% | 119.1 | 16.0 | 11.9\% | 117.7 | 17.4 | 12.9\% | 116.4 | 18.8 | 13.9\% | 115.0 | 20.2 | 14.9\% |
| ME7 | 324331 | 2016 | Above Normal | October | Used in Summary Table Analysis | 99.8 | 88.5 | 11.3 | 11.3\% | 87.3 | 12.5 | 12.5\% | 86.2 | 13.6 | 13.7\% | 85.5 | 14.3 | 14.3\% | 84.5 | 15.3 | 15.4\% | 83.0 | 16.8 | 16.9\% |
| ME7 | 324331 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,987.8 | 3,979.1 | 8.8 | 0.2\% | 3,978.2 | 9.6 | 0.2\% | 3,977.3 | 10.5 | 0.3\% | 3,976.3 | 11.6 | 0.3\% | 3,975.3 | 12.5 | 0.3\% | 3,974.5 | 13.3 | 0.3\% |
| ME7 | 324331 | 2016 | Above Normal | December - |  | 37,210.6 | 37,202.5 | 8.1 | 0.0\% | 37,202.5 | 8.1 | 0.0\% | 37,20.4 | 9.3 | 0.0\% | 37,200.2 | 10.4 | 0.0\% | 37,199.1 | 11.6 | 0.0\% | 37,199.1 | 11.6 | 0.0\% |
| me7 | 324331 | 2016 | Above Normal | January | - | 57,929,4 | 57,922.5 | 6.9 | 0.0\% | 57,922.5 | 6.9 | 0.0\% | 57,921.3 | 8.1 | 0.0\% | 57,920.1 | 9.3 | 0.0\% | 57,920.1 | 9.3 | 0.0\% | 57,919.0 | 10.4 | 0.0\% |
| ME7 | 324331 | 2016 | Above Normal | February | - | 24,369.2 | 24,363.4 | 5.8 | 0.0\% | 24,362.3 | 6.9 | 0.0\% | 24,362.3 | 6.9 | 0.0\% | 24,361.1 | 8.1 | 0.0\% | 24,361.1 | 8.1 | 0.0\% | 24,360.0 | 9.3 | 0.0\% |
| me7 | 324331 | 2016 | Above Normal | March | - | 42,066.0 | 42,061.3 | 4.6 | 0.0\% | 42,060.2 | 5.8 | 0.0\% | 42,060.2 | 5.8 | 0.0\% | 42,059.0 | 6.9 | 0.0\% | 42,059.0 | 6.9 | 0.0\% | 42,057.9 | 8.1 | 0.0\% |
| ME7 | 324331 | 2016 | Above Normal | April | - | 18,619.2 | 18,613.4 | 5.8 | 0.0\% | 18,613.4 | 5.8 | 0.0\% | 18,613.4 | 5.8 | 0.0\% | 18,612.3 | 6.9 | 0.0\% | 18,612.3 | 6.9 | 0.0\% | 18,611.1 | 8.1 | 0.0\% |
| me7 | 324331 | 2016 | Above Normal | May | - | 5,247.6 | 5,241.7 | 5.9 | 0.1\% | 5,241.1 | 6.5 | 0.1\% | 5,240.5 | 7.1 | 0.1\% | 5,239.9 | 7.6 | 0.1\% | 5,239.2 | 8.3 | 0.2\% | 5,238.7 | 8.9 | 0.2\% |
| ME7 | 324331 | 2016 | Above Normal | June | - | 1,526.6 | 1,515.2 | 11.5 | 0.8\% | 1,514.0 | 12.6 | 0.8\% | 1,512.8 | 13.8 | 0.9\% | 1,511.7 | 14.9 | 1.0\% | 1,510.5 | 16.1 | 1.1\% | 1,509.4 | 17.2 | 1.1\% |
| ME7 | 324331 | 2016 | Above Normal | July | - | 841.8 | 828.6 | 13.1 | 1.6\% | 827.3 | 14.5 | 1.7\% | 826.0 | 15.8 | 1.9\% | 824.7 | 17.1 | 2.0\% | 823.4 | 18.4 | 2.2\% | 822.1 | 19.7 | 2.3\% |
| me7 | 324331 | 2016 | Above Normal | August | -- | 511.0 | 498.0 | 13.1 | 2.6\% | 496.7 | 14.4 | 2.8\% | 495.3 | 15.7 | 3.1\% | 494.0 | 17.0 | 3.3\% | 492.7 | 18.3 | 3.6\% | 491.4 | 19.6 | 3.8\% |
| MET | 324331 | 2016 | Above Normal | September | Used in Summary Table Analysis | 346.6 | 334.7 | 11.9 | 3.4\% | 333.5 | 13.0 | 3.8\% | 332.3 | 14.2 | 4.1\% | 331.1 | 15.4 | 4.5\% | ${ }^{330.0}$ | 16.6 | 4.8\% | ${ }^{328.8}$ | 17.8 | 5.1\% |
| me7 | 324331 | 2017 | Wet | October | Used in Summary Table Analysis | 18,520.8 | 18,510.4 | 10.4 | 0.1\% | 18,509.3 | 11.6 | 0.1\% | 18,508.1 | 12.7 | 0.1\% | 18,506.9 | 13.9 | 0.1\% | 18,506.9 | 13.9 | 0.1\% | 18,505.8 | 15.0 | 0.1\% |
| ME7 | 324331 | 2017 | Wet | November | Used in Summary Table Analysis | 19,079.9 | 19,072.9 | 6.9 | 0.0\% | 19,071.8 | 8.1 | 0.0\% | 19,070.6 | 9.3 | 0.0\% | 19,070.6 | 9.3 | 0.0\% | 19,069.4 | 10.4 | 0.1\% | 19,068.3 | 11.6 | 0.1\% |
| ME7 | 324331 | 2017 | Wet | December - |  | 24,508.1 | 24,502.3 | 5.8 | 0.0\% | 24,501.2 | 6.9 | 0.0\% | 24,501.2 | 6.9 | 0.0\% | 24,500.0 | 8.1 | 0.0\% | 24,498.8 | 9.3 | 0.0\% | 24,498.8 | 9.3 | 0.0\% |
| me7 | 324331 | 2017 | Wet | January | - | 108,054.4 | 108,048.6 | 5.8 | 0.0\% | 108,047.5 | 6.9 | 0.0\% | 108,047.5 | 6.9 | 0.0\% | 108,046.3 | 8.1 | 0.0\% | 108,046.3 | 8.1 | 0.0\% | 108,045,1 | 9.3 | 0.0\% |
| ME7 | 324331 | 2017 | Wet | February - | - | 82,509.3 | 82,504.6 | 4.6 | 0.0\% | $82,503.5$ | 5.8 | 0.0\% | 82,503.5 | 5.8 | 0.0\% | 82,502.3 | 6.9 | 0.0\% | 82,502.3 | 6.9 | 0.0\% | 82,501.2 | 8.1 | 0.0\% |
| ME7 | 324331 | 2017 | Wet | March |  | 27,486.1 | 27,481.5 | 4.6 | 0.0\% | 27,480.3 | 5.8 | 0.0\% | 27,40.3 | 5.8 | 0.0\% | 27,479.2 | 6.9 | 0.0\% | 27,479.2 | 6.9 | 0.0\% | 27,478.0 | 8.1 | 0.0\% |
| ME7 | 324331 | 2017 | Wet | April | - | 23,165.5 | 23,162.0 | 3.5 | 0.0\% | 23,160.9 | 4.6 | 0.0\% | 23,160.9 | 4.6 | 0.0\% | 23,159.7 | 5.8 | 0.0\% | 23,159.7 | 5.8 | 0.0\% | 23,159.7 | 5.8 | 0.0\% |
| ME7 | 324331 | 2017 | Wet | May | - | 6,284,7 | 6,278.9 | 5.8 | 0.1\% | 6,278.2 | 6.5 | 0.1\% | 6,277.7 | 7.1 | 0.1\% | 6,277.1 | 7.6 | 0.1\% | 6,276.4 | 8.3 | 0.1\% | 6,275.8 | 8.9 | 0.1\% |
| me7 | 324331 | 2017 | Wet | June | - | 2,151.2 | 2,139.5 | 11.7 | 0.5\% | 2,138.3 | 12.8 | 0.6\% | 2,137.2 | 14.0 | 0.7\% | 2,136.0 | 15.2 | 0.7\% | 2,134.7 | 16.4 | 0.8\% | 2,133.6 | 17.6 | 0.8\% |
| ME7 | 324331 | 2017 | Wet | July | - | 958.0 | 944.8 | 13.2 | 1.4\% | 943.5 | 14.5 | 1.5\% | 942.2 | 15.8 | 1.7\% | 940.8 | 17.1 | 1.8\% | 939.5 | 18.4 | 1.9\% | 938.2 | 19.8 | 2.1\% |
| ME7 | 324331 | 2017 | Wet | August | -- | 530.1 | 517.1 | 13.0 | 2.5\% | 515.8 | 14.3 | 2.7\% | 514.5 | 15.6 | 2.9\% | 513.2 | 16.9 | 3.2\% | 511.9 | 18.2 | 3.4\% | 510.6 | 19.5 | 3.7\% |
| ME7 | 324331 | 2017 | Wet | September | Used in Summary Table Analysis | 343.4 | 331.3 | 12.1 | 3.5\% | 330.0 | 13.3 | 3.9\% | 328.8 | 14.6 | 4.2\% | 327.6 | 15.8 | 4.5\% | 326.4 | 17.0 | 4.9\% | 325.2 | 18.2 | 5.3\% |
| ME7 | 324331 | 2018 | Above Normal | October | Used in Summary Table Analysis | 295.9 | 287.0 | 8.9 | 3.0\% | 285.6 | 10.3 | 3.5\% | 284.5 | 11.4 | 3.9\% | 283.3 | 12.7 | 4.3\% | 282.2 | 13.8 | 4.6\% | 281.2 | 14.8 | 5.0\% |
| me7 | 324331 | 2018 | Above Normal | November | Used in Summary Table Analysis | 11,056.9 | 11,049.2 | 7.8 | 0.1\% | 11,048.5 | 8.4 | 0.1\% | 11,047.7 | 9.3 | 0.1\% | 11,046.9 | 10.1 | 0.1\% | 11,046.1 | 10.9 | 0.1\% | 11,045.3 | 11.7 | 0.1\% |
| MET | 324331 | 2018 | Above Normal | December - | -- | 5,475.7 | 5,469.2 | 6.5 | 0.1\% | 5,468.5 | 7.2 | 0.1\% | 5,467.9 | 7.8 | 0.1\% | 5,467.2 | 8.4 | ${ }^{0.2 \%}$ | 5,466.6 | 9.1 | 0.2\% | 5,465.9 | ${ }^{9.8}$ | ${ }^{0.2 \%}$ |
| ME7 | 324331 | 2018 | Above Normal | January |  | 18,231.5 | 18,225.7 | 5.8 | 0.0\% | 18,224.5 | ${ }^{6.9}$ | 0.0\% | 18,223.4 | 8.1 | 0.0\% | 18,223.4 | 8.1 | 0.0\% | 18,222.2 | 9.3 | 0.1\% | ${ }^{18,222.2}$ | 9.3 | ${ }^{0.1 \%}$ |
| ME7 | 324331 <br> 32431 <br> 24 | 2018 | Above Normal | February | - | $7,623.3$ 2091. | $7,618.3$ 20,983 | 5.0 4 | 0.1\% | $7,617.8$ 209873 | 5.4 | ${ }^{0.1 \%}$ | $7,617.4$ 20,961 | 5.9 | ${ }^{0.1 \%}$ | $7,616.8$ 20,961 | ${ }^{6.5}$ | ${ }^{0.1 \%}$ | $7,616.3$ 20,961 | ${ }_{5}^{6.9}$ | 0.1\% | $7,615.7$ <br> 20850 | 7.5 <br> 6 | ${ }^{0.1 \%}$ |
| ME7 | 324331 | 2018 | Above Normal | March |  | 20,991.9 | 20,987.3 | 4.6 | 0.0\% | 20,987.3 | 4.6 | 0.0\% | 20,986.1 | 5.8 | 0.0\% | 20,986.1 | 5.8 | 0.0\% | 20,986.1 | 5.8 | 0.0\% | 20,985.0 | 6.9 | 0.0\% |
| ME7 | 324331 | 2018 | Above Normal | April | - | 32,541.7 | 32,537.0 | 4.6 | 0.0\% | 32,537.0 | 4.6 | 0.0\% | 32,537.0 | 4.6 | 0.0\% | 32,535.9 | 5.8 | 0.0\% | 32,535.9 | 5.8 | 0.0\% | 32,534.7 | 6.9 | 0.0\% |
| ME7 | 324331 | 2018 | Above Normal | May | - | 7,003.6 | 6,994.7 | 8.9 | 0.1\% | 6,993.8 | 9.8 | ${ }^{0.1 \%}$ | 6,992.8 | 10.8 | 0.2\% | ${ }^{6,992.0}$ | 11.6 | 0.2\% | 6,991.1 | 12.5 | ${ }^{0.2 \%}$ | 6,990.2 | 13.4 18.2 | 0.2\% |
| ME7 | 324331 | 2018 | Above Normal | June |  | 1,932.3 | 1,920.1 | 12.2 | 0.6\% | 1,919.0 | 13.3 | 0.7\% | 1,917.7 | 14.6 | 0.8\% | 1,916.6 | 15.7 | 0.8\% | 1,915.4 | 16.9 | 0.9\% | 1,914.1 | 18.2 | 0.9\% |
| ME7 | 324331 32331 | 2018 | Above Normal | July | - | 801.7 | 788.4 <br> 50.4 | 13.3 | ${ }^{1.7 \%}$ | 787.0 | 14.7 | 1.8\% | 785.7 4479 | 16.0 151 | $2.0 \%$ 3.36 | 784.4 <br> 46.4 | 17.3 | $2.2 \%$ <br> $3.5 \%$ | 783.0 445.4 | 18.7 17.6 17.0 | $2.3 \%$ $3.8 \%$ .8 | 781.7 444.1 | 20.0 18.8 | $2.5 \%$ $4.1 \%$ |
| ME7 ME 7 | 324331 | 2018 2018 | Above Normal Above Normal | August September | Used in Summary Table Analysis | 463.0 | 450.4 307.1 | 12.5 12.1 | $2.7 \%$ <br> $3.8 \%$ | 449.2 <br> 305.8 | 13.8 13.4 | $3.0 \%$ $4.2 \%$ | 447.9 <br> 304.6 <br> 1 | 15.1 14.6 | $3.3 \%$ $4.6 \%$ | 446.7 303.4 | 16.3 <br> 15.8 <br> 12.8 | $3.5 \%$ $4.9 \%$ | 445.4 302.2 | 17.6 17.0 | $3.8 \%$ $5.3 \%$ | 444.1 301.0 | 18.8 18.3 | 4.1\% $5.7 \%$ |
| ME7 | 324331 | 2019 | Below Normal | October | Used in Summary Table Analysis | 224.2 | 214.5 | 9.7 | 4.3\% | 213.5 | 10.8 | 4.8\% | 212.5 | 11.7 | 5.2\% | 211.5 | 12.7 | 5.7\% | 210.6 | 13.6 | 6.1\% | 209.6 | 14.6 | 6.5\% |
| me7 | 324331 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,800.2 | 6,792.5 | 7.8 | 0.1\% | 6,791.7 | 8.6 | 0.1\% | 6,790.9 | 9.4 | 0.1\% | 6,790.0 | 10.2 | 0.1\% | 6,789.2 | 11.0 | 0.2\% | 6,788.4 | 11.8 | 0.2\% |
| ME7 | 324331 | 2019 | Below Normal | December - | -- | 14,959.5 | 14,953.7 | 5.8 | 0.0\% | 14,952.5 | 6.9 | 0.0\% | 14,951.4 | 8.1 | 0.1\% | 14,951.4 | 8.1 | 0.1\% | 14,950.2 | 9.3 | 0.1\% | 14,950.2 | 9.3 | 0.1\% |
| ME7 | 324331 | 2019 | Below Normal | January |  | 35,809.0 | 35,803.2 | 5.8 | 0.0\% | 35,802.1 | 6.9 | 0.0\% | 35,802.1 | 6.9 | 0.0\% | 35,800.9 | 8.1 | 0.0\% | 35,800.9 | 8.1 | 0.0\% | $35,799.8$ 124547 | ${ }^{9.3}$ | 0.0\% |
| ME7 | 324331 | 2019 | Below Normal | February | - | 142,546.3 | 142,546.3 | 0.0 | 0.0\% | 142,546.3 | 0.0 | 0.0\% | 142,546.3 | 0.0 | 0.0\% | 142,54.3 | 0.0 | 0.0\% | 142,54.3 | 0.0 | 0.0\% | 142,534.7 | 11.6 | 0.0\% |
| ME7 | 324331 | 2019 | Below Normal | March | -- | 42,638.9 | 42,634.3 | 4.6 | 0.0\% | 42,634.3 | 4.6 | 0.0\% | 42,633.1 | 5.8 | 0.0\% | 42,633.1 | 5.8 | 0.0\% | 42,631.9 | 6.9 | 0.0\% | 42,631.9 | 6.9 | 0.0\% |
| me7 | 324331 | 2019 | Below Normal | April | - | 15,364.6 | 15,360.0 | 4.6 | 0.0\% | 15,360.0 | 4.6 | 0.0\% | 15,36.0 | 4.6 | 0.0\% | 15,358.8 | 5.8 | 0.0\% | 15,358.8 | 5.8 | 0.0\% | 15,357.6 | 6.9 | 0.0\% |
| ME 7 | 324331 | 2019 | Below Normal | May | -- | 17,390.0 | 17,380.8 | 9.3 | 0.1\% | 17,379.6 | 10.4 | 0.1\% | 17,378.5 | 11.6 | 0.1\% | 17,377.3 | 12.7 | 0.1\% | 17,377.3 | 12.7 | 0.1\% | 17,376.2 | 13.9 | 0.1\% |

Change in Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  |  |  |  | Existing Conditions |  |  | 10\% Pumping Increase |  |  | 20\% Pumping Increase |  |  | 30\% Pumping Increase |  |  | 40\% Pumping Increase |  |  | 50\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Month | Note | Without <br> Pumping <br> (cfs) | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \substack{\text { Difference } \\ \text { (cfs) }} \end{gathered}$ | Percent Difference | Flow (cfs) | $\xrightarrow[\substack{\text { Difference } \\ \text { (cfs) }}]{\text { Fic }}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiflow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\underset{\substack{\text { Flow } \\ \text { Difference } \\ \text { (cfs) }}}{\text { cene }}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \end{gathered}$ (cfs) | Percent Difference |
| me7 | 324331 | 2019 | Below Normal | June | - | 4,248.8 | 4,23.9 | 13.0 | 0.3\% | 4,234.6 | 14.2 | 0.3\% | 4,233.2 | 15.6 | 0.4\% | 4,231.9 | 16.9 | 0.4\% | 4,230.7 | 18.2 | 0.4\% | 4,229.3 | 19.6 | 0.5\% |
| ME7 | 324331 | 2019 | Below Normal | July | - | 1,385.2 | 1,371.8 | 13.4 | 1.0\% | 1,370.5 | 14.7 | 1.1\% | 1,369.1 | 16.1 | 1.2\% | 1,367.8 | 17.4 | 1.3\% | 1,366.4 | 18.8 | 1.4\% | 1,365.2 | 20.0 | 1.4\% |
| me7 | 324331 | 2019 | Below Normal | August | -- | 619.4 | 60.6 | 12.8 | 2.1\% | 605.3 | 14.1 | 2.3\% | 604.0 | 15.4 | 2.5\% | 602.7 | 16.7 | 2.7\% | 601.4 | 18.0 | 2.9\% | 600.2 | 19.3 | 3.1\% |
| me7 | 324331 | 2019 | Below Normal | September | Used in Summary Table Analysis | 483.0 | 471.0 | 12.1 | 2.5\% | 469.7 | 13.3 | 2.7\% | 468.5 | 14.5 | 3.0\% | 467.3 | 15.7 | 3.2\% | 466.1 | 16.9 | 3.5\% | 464.9 | 18.1 | 3.8\% |
| me7 | 324331 | 2020 | Dry | October | Used in Summary Table Analysis | 372.6 | 363.3 | 9.3 | 2.5\% | 362.3 | 10.2 | 2.7\% | 361.4 | 11.2 | 3.0\% | 360.4 | 12.1 | 3.3\% | 359.5 | 13.1 | 3.5\% | 358.5 | 14.0 | 3.8\% |
| ME7 | 324331 | 2020 | Dry | November | Used in Summary Table Analysis | 347.2 | 339.8 | 7.3 | 2.1\% | 339.0 | 8.1 | 2.3\% | 338.3 | 8.9 | 2.6\% | 337.5 | 9.6 | 2.8\% | 336.8 | 10.4 | 3.0\% | 336.0 | 11.1 | 3.2\% |
| me7 | 324331 | 2020 | Dry | December |  | 13,713.0 | 13,706.0 | 6.9 | 0.1\% | 13,706.0 | 6.9 | 0.1\% | 13,704.9 | 8.1 | 0.1\% | 13,703.7 | 9.3 | 0.1\% | 13,703.7 | 9.3 | 0.1\% | 13,702.5 | 10.4 | 0.1\% |
| me7 | 324331 | 2020 | Dry | January | -- | 22,666.7 | 22,660.9 | 5.8 | 0.0\% | 22,659.7 | 6.9 | 0.0\% | 22,659.7 | 6.9 | 0.0\% | 22,658.6 | 8.1 | 0.0\% | 22,658.6 | 8.1 | 0.0\% | 22,657.4 | 9.3 | 0.0\% |
| ME7 | 324331 | 2020 | Dry | February | - | 7,433.1 | 7,428.0 | 5.1 | 0.1\% | 7,427.5 | 5.6 | 0.1\% | 7,427.0 | 6.1 | 0.1\% | 7,426.4 | 6.7 | 0.1\% | 7,425.9 | 7.2 | 0.1\% | 7,425.3 | 7.8 | 0.1\% |
| me7 | 324331 | 2020 | Dry | March | - | 7,310.5 | 7,35.8 | 4.7 | 0.1\% | 7,305.3 | 5.2 | 0.1\% | 7,304.9 | 5.7 | 0.1\% | 7,304.3 | 6.3 | 0.1\% | 7,303.8 | 6.7 | 0.1\% | 7,303.4 | 7.2 | 0.1\% |
| ME7 7 | 324331 | 2020 | Dry | April | - | 5,555.4 | 5,546.1 | 9.4 | 0.2\% | 5,545.1 | 10.3 | 0.2\% | 5,544.1 | 11.3 | 0.2\% | 5,543.2 | 12.3 | 0.2\% | 5,542.2 | 13.2 | 0.2\% | 5,541.3 | 14.1 | 0.3\% |
| me7 | 324331 | 2020 | Dry | May | - | 7,468.8 | 7,457.4 | 11.3 | 0.2\% | 7,456.3 | 12.5 | 0.2\% | 7,455.1 | 13.7 | 0.2\% | 7,453.9 | 14.8 | 0.2\% | 7,452.8 | 16.0 | 0.2\% | 7,451.6 | 17.1 | 0.2\% |
| me7 | 324331 | 2020 | Dry | June | - | 2,112.8 | 2,097.3 | 15.5 | 0.7\% | 2,095.8 | 17.0 | 0.8\% | 2,094.2 | 18.6 | 0.9\% | 2,092.7 | 20.1 | 1.0\% | 2,091.1 | 21.8 | 1.0\% | 2,089.6 | 23.3 | 1.1\% |
| ME7 | 324331 | 2020 | Dry | July | - | 812.8 | 797.2 | 15.7 | 1.9\% | 795.6 | 17.2 | 2.1\% | 794.0 | 18.8 | 2.3\% | 792.5 | 20.3 | 2.5\% | 790.9 | 21.9 | 2.7\% | 789.3 | 23.5 | 2.9\% |
| ME7 | 324331 | 2020 | Dry | August | -- | 416.3 | 400.8 | 15.5 | 3.7\% | 399.3 | 17.1 | 4.1\% | 397.7 | 18.6 | 4.5\% | 396.1 | 20.2 | 4.8\% | 394.6 | 21.7 | 5.2\% | 393.0 | 23.3 | 5.6\% |
| ME7 | 324331 | 2020 | Dry | September | Used in Summary Table Analysis | 265.4 | 251.2 | 14.2 | 5.4\% | 249.8 | 15.6 | 5.9\% | 248.3 | 17.1 | 6.4\% | 246.9 | 18.5 | 7.0\% | 245.5 | 19.9 | 7.5\% | 24.1 | 21.4 | 8.0\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  | $\begin{aligned} & \text { Model Cell } \\ & \text { (Row, Colum, } \\ & \text { Surface Water } \\ & \text { Reach) } \end{aligned}$ | Water Year Water Year Type |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Month | Note | Without <br> Pumping <br> (cfs) | Flow (ffs) | $\begin{gathered} \text { Fow } \\ \begin{array}{c} \text { Fifference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{aligned} & \text { Fiow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Diffow } \\ & \text { Difference } \end{aligned}$ (ffs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Diflow } \\ \begin{array}{c} \text { Diference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cffs) } \end{gathered}$ (cfs) | Percent Difference | Flow (ffs) | $\begin{gathered} \begin{array}{c} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| ME1 | 486227 | 2000 | Above Normal | October | Used in Summary Table Analysis | 380.5 | 377.9 | 2.6 | 0.7\% | 377.6 | 3.0 | 0.8\% | 376.9 | 3.7 | 1.0\% | 376.1 | 4.4 | 1.2\% | 375.3 | 5.2 | 1.4\% | 374.5 | 6.0 | 1.6\% |
| ME1 | 48627 | 2000 | Above Normal | November | Used in Summary Table Analysis | 8,151.3 | 8,149.1 | 2.2 | 0.0\% | 8,148.8 | 2.4 | 0.0\% | 8,148.3 | 3.0 | 0.0\% | 8,147.7 | 3.6 | 0.0\% | 8,147.1 | 4.2 | 0.1\% | 8,146.4 | 4.9 | 0.1\% |
| ME1 | 48627 | 2000 | Above Normal | December - |  | 4,770.1 | 4,768.5 | 1.6 | 0.0\% | 4,768.3 | 1.9 | 0.0\% | 4,767.7 | 2.4 | 0.1\% | 4,767.2 | 2.9 | 0.1\% | 4,766.8 | 3.4 | 0.1\% | 4,766.2 | 3.9 | 0.1\% |
| ME1 | 48627 | 2000 | Above Normal | January | - | 14,959.5 | 14,958.3 | 1.2 | 0.0\% | 14,958.3 | 1.2 | 0.0\% | 14,958.3 | 1.2 | 0.0\% | 14,957.2 | 2.3 | 0.0\% | 14,957.2 | 2.3 | 0.0\% | 14,956.0 | 3.5 | 0.0\% |
| ME1 | 486227 | 2000 | Above Normal | February - | -- | 16,283.6 | 16,282.4 | 1.2 | 0.0\% | 16,281.3 | 2.3 | 0.0\% | 16,281.3 | 2.3 | 0.0\% | 16,281.3 | 2.3 | 0.0\% | 16,280.1 | 3.5 | 0.0\% | 16,280.1 | 3.5 | 0.0\% |
| ME1 | 48627 | 2000 | Above Normal | March | - | 5,733.6 | 5,732.5 | 1.0 | 0.0\% | 5,732.4 | 1.2 | 0.0\% | 5,732.1 | 1.5 | 0.0\% | 5,731.7 | 1.9 | 0.0\% | 5,731.5 | 2.1 | 0.0\% | 5,731.1 | 2.4 | 0.0\% |
| ME1 | 48627 | 2000 | Above Normal | April | - | 5,364.2 | 5,363.4 | 0.8 | 0.0\% | 5,363.3 | 0.9 | 0.0\% | 5,363.1 | 1.2 | 0.0\% | 5,362.8 | 1.4 | 0.0\% | 5,362.5 | 1.7 | 0.0\% | 5,362.3 | 2.0 | 0.0\% |
| ME1 | 486227 | 2000 | Above Normal | may | - | 2,751.9 | 2,747.1 | 4.7 | 0.2\% | 2,746.5 | 5.3 | 0.2\% | 2,745.1 | 6.7 | 0.2\% | 2,743.8 | 8.1 | 0.3\% | 2,742.4 | 9.5 | 0.3\% | 2,741.1 | 10.8 | 0.4\% |
| ME1 | 48627 | 2000 | Above Normal | June | - | 602.9 | 597.0 | 5.9 | 1.0\% | 596.2 | 6.7 | 1.1\% | 594.5 | 8.4 | 1.4\% | 592.8 | 10.0 | 1.7\% | 591.2 | 11.7 | 1.9\% | 589.5 | 13.4 | ${ }^{2.2 \%}$ |
| ME1 | 486227 | 2000 | Above Normal | July | - | 68.5 | 65.4 | 3.1 | 4.5\% | 65.0 | 3.5 | 5.2\% | 64.1 | 4.4 | 6.4\% | 63.3 | 5.2 | 7.7\% | 62.5 | 6.1 | 8.9\% | 61.7 | 6.9 | 10.1\% |
| ME1 | 48627 | 2000 | Above Normal | August | -- | 55.3 | 52.4 | 2.9 | 5.3\% | 52.0 | 3.3 | 6.0\% | 51.1 | 4.2 | 7.5\% | 50.3 | 5.0 | 9.0\% | 49.5 | 5.8 | 10.5\% | 48.7 | 6.6 | 11.9\% |
| ME1 | 486227 | 2000 | Above Normal | September | Used in Summary Table Analysis | 48.9 | 46.3 | 2.6 | 5.2\% | 46.0 | 2.9 | 6.0\% | 45.2 | 3.7 | 7.5\% | 44.5 | 4.4 | 9.0\% | 43.8 | 5.1 | 10.5\% | 43.0 | 5.9 | 12.0\% |
| ME1 | 486227 | 2001 | Dry | October | Used in Summary Table Analysis | 2,771.6 | 2,768.9 | 2.8 | 0.1\% | 2,768.5 | 3.1 | 0.1\% | 2,767.7 | 3.9 | 0.1\% | 2,766.9 | 4.7 | 0.2\% | 2,766.1 | 5.6 | 0.2\% | 2,765.3 | 6.4 | 0.2\% |
| ME1 | 48627 | 2001 | Dry | November | Used in Summary Table Analysis | 3,308.9 | 3,306.8 | 2.1 | 0.1\% | 3,306.5 | 2.4 | 0.1\% | 3,305.9 | 3.0 | 0.1\% | 3,305.3 | 3.6 | 0.1\% | 3,304.7 | 4.2 | 0.1\% | 3,304.1 | 4.9 | 0.1\% |
| ME1 | 486227 | 2001 | Dry | December - |  | 4,924.0 | 4,922.2 | 1.7 | 0.0\% | 4,922.0 | 2.0 | 0.0\% | 4,921.5 | 2.4 | 0.0\% | 4,920.9 | 3.0 | 0.1\% | 4,920.5 | 3.5 | 0.1\% | 4,9919.9 | 4.1 | 0.1\% |
| ME1 | 48627 | 2001 | Dry | January | - | 6,508.2 | 6,506.7 | 1.5 | 0.0\% | 6,506.6 | 1.6 | 0.0\% | 6,506.1 | 2.1 | 0.0\% | 6,505.7 | 2.5 | 0.0\% | 6,505.3 | 2.9 | 0.0\% | 6,504.9 | 3.4 | 0.1\% |
| ME1 | 486227 | 2001 | Dry | February |  | 8,597.5 | 8,596.2 | 1.3 | 0.0\% | 8,596.1 | 1.4 | 0.0\% | 8,595.7 | 1.7 | 0.0\% | 8,595.4 | 2.1 | 0.0\% | 8,595.0 | 2.4 | 0.0\% | 8,594.7 | 2.8 | 0.0\% |
| ME1 | 486227 | 2001 | Dry | March | - | 5,147.5 | 5,146.4 | 1.0 | 0.0\% | 5,146.3 | 1.2 | 0.0\% | 5,145.9 | 1.5 | 0.0\% | 5,145.6 | 1.9 | 0.0\% | 5,145.4 | 2.1 | 0.0\% | 5,145.0 | 2.4 | 0.0\% |
| ME1 | 48627 | 2001 | Dry | April | - | 5,085.8 | 5,080.4 | 5.3 | 0.1\% | 5,079.6 | 6.1 | 0.1\% | 5,078.0 | 7.8 | 0.2\% | 5,076.5 | 9.3 | 0.2\% | 5,074.9 | 10.9 | 0.2\% | 5,073.4 | 12.4 | 0.2\% |
| ME1 | 486227 | 2001 | Dry | May | - | 603.3 | 598.9 | 4.4 | 0.7\% | 598.2 | 5.0 | 0.8\% | 596.9 | 6.3 | 1.0\% | 595.7 | 7.6 | 1.3\% | 594.4 | 8.8 | 1.5\% | 593.2 | 10.1 | 1.7\% |
| me 1 | 48627 | 2001 | Dry | June | - | 1,342.2 | 1,335.6 | 6.6 | 0.5\% | 1,334.7 | 7.5 | 0.6\% | 1,332.9 | 9.4 | 0.7\% | 1,331.0 | 11.2 | 0.8\% | 1,329.2 | 13.1 | 1.0\% | 1,327.3 | 14.9 | 1.1\% |
| ME1 | 486227 | 2001 | Dry | July | - | 66.6 | 63.0 | 3.6 | 5.3\% | 62.5 | 4.0 | 6.1\% | 61.5 | 5.0 | 7.5\% | 60.6 | 6.0 | 9.0\% | 59.6 | 7.0 | 10.5\% | 58.6 | 8.0 | 12.0\% |
| ME1 | 48627 | 2001 | Dry | August | -- | 53.3 | 49.6 | 3.7 | 7.0\% | 49.1 | 4.3 | 8.0\% | 48.0 | 5.3 | 10.0\% | 46.9 | 6.4 | 12.0\% | 45.9 | 7.4 | 13.9\% | 44.8 | 8.5 | 15.9\% |
| ME1 | 48627 | 2001 | Dry | September | Used in Summary Table Analysis | 47.7 | 44.3 | 3.4 | 7.1\% | 43.8 | 3.9 | 8.1\% | 42.8 | 4.8 | 10.1\% | 41.9 | 5.8 | 12.2\% | 40.9 | 6.8 | 14.2\% | 39.9 | 7.8 | 16.3\% |
| ME1 | 48627 | 2002 | Below Normal | October | Used in Summary Table Analysis | 135.9 | 132.2 | 3.7 | 2.7\% | 131.7 | 4.2 | 3.1\% | 130.6 | 5.3 | 3.9\% | 129.5 | 6.3 | 4.7\% | 128.5 | 7.4 | 5.4\% | 127.4 | 8.5 | 6.2\% |
| me 1 | 48627 | 2002 | Below Normal | November | Used in Summary Table Analysis | 7,269.7 | 7,266.9 | 2.8 | 0.0\% | 7,266.4 | 3.2 | 0.0\% | 7,265.6 | 4.1 | 0.1\% | 7,264.8 | 4.9 | 0.1\% | 7,264.0 | 5.7 | 0.1\% | 7,263.2 | 6.5 | 0.1\% |
| ME1 | 48627 | 2002 | Below Normal | December - |  | 13,850.7 | 13,847.2 | 3.5 | 0.0\% | 13,847.2 | 3.5 | 0.0\% | 13,847.2 | 3.5 | 0.0\% | 13,846.1 | 4.6 | 0.0\% | 13,844.9 | 5.8 | 0.0\% | 13,844.9 | 5.8 | 0.0\% |
| ME1 | 48627 | 2002 | Below Normal | January | -- | 9,657.3 | 9,655.2 | 2.1 | 0.0\% | 9,655.0 | 2.3 | 0.0\% | 9,654.3 | 3.0 | 0.0\% | 9,653.7 | 3.6 | 0.0\% | 9,653.1 | 4.2 | 0.0\% | 9,652.5 | 4.7 | 0.0\% |
| ME1 | 486227 | 2002 | Below Normal | February - | - | 8,380.2 | $8,378.5$ | 1.7 | 0.0\% | 8,378.2 | 2.0 | 0.0\% | $8,377.7$ | 2.5 | 0.0\% | $8,377.2$ | 3.0 | 0.0\% | 8,376.6 | 3.6 | 0.0\% | 8,376.2 | 4.1 | 0.0\% |
| ME1 | 48627 | 2002 | Below Normal | March | - | 7,244.0 | 7,242.6 | 1.4 | 0.0\% | 7,242.4 | 1.6 | 0.0\% | 7,242.0 | 2.0 | 0.0\% | 7,241.6 | 2.4 | 0.0\% | 7,241.2 | 2.8 | 0.0\% | 7,240.7 | 3.2 | 0.0\% |
| me 1 | 48627 | 2002 | Below Normal | April | - | 4,277.9 | 4,273.0 | 4.9 | 0.1\% | 4,272.3 | 5.6 | 0.1\% | 4,270.9 | 6.9 | 0.2\% | 4,269.6 | 8.3 | 0.2\% | 4,268.2 | 9.7 | 0.2\% | 4,266.8 | 11.1 | 0.3\% |
| ME1 | 48627 | 2002 | Below Normal | May | - | 1,138.0 | 1,134.0 | 4.0 | 0.4\% | 1,133.4 | 4.6 | 0.4\% | 1,132.2 | 5.7 | 0.5\% | 1,131.1 | 6.8 | 0.6\% | 1,130.0 | 8.0 | 0.7\% | 1,128.8 | 9.1 | 0.8\% |
| ME1 | 48627 | 2002 | Below Normal | June | - | 193.8 | 189.2 | 4.7 | 2.4\% | 188.5 | 5.3 | 2.8\% | 187.2 | 6.7 | 3.4\% | 185.9 | 8.0 | 4.1\% | 184.5 | 9.3 | 4.8\% | 183.3 | 10.6 | 5.5\% |
| ME1 | 486227 | 2002 | Below Normal | July | - | 56.7 | 53.4 | 3.3 | 5.9\% | 52.9 | 3.8 | 6.7\% | 52.0 | 4.7 | 8.4\% | 51.1 | 5.7 | 10.\% | 50.1 | 6.6 | 11.6\% | 49.2 | 7.5 | 13.3\% |
| ME1 | 486227 | 2002 | Below Normal | August | -- | 50.5 | 47.3 | 3.2 | 6.4\% | 46.8 | 3.7 | 7.3\% | 45.9 | 4.6 | 9.1\% | 45.0 | 5.5 | 10.9\% | 44.1 | 6.4 | 12.7\% | 43.2 | 7.4 | 14.6\% |
| ME1 | 48627 | 2002 | Below Normal | September | Used in Summary Table Analysis | 46.5 | 43.6 | 2.9 | 6.2\% | 43.2 | 3.3 | 7.1\% | 42.3 | 4.1 | 8.9\% | 41.5 | 5.0 | 10.7\% | 40.7 | 5.8 | 12.5\% | 39.8 | 6.6 | 14.3\% |
| ME1 | 486227 | 2003 | Wet | October | Used in Summary Table Analysis | 34.8 | 31.8 | 3.0 | 8.6\% | 31.4 | 3.4 | 9.9\% | 30.5 | 4.3 | 12.4\% | 29.6 | 5.2 | 14.9\% | 28.7 | 6.1 | 17.5\% | 27.8 | 7.0 | 20.0\% |
| ME1 | 48627 | 2003 | Wet | November | Used in Summary Table Analysis | 620.0 | 617.6 | 2.3 | 0.4\% | 617.3 | 2.7 | 0.4\% | 616.6 | 3.4 | 0.6\% | 615.8 | 4.1 | 0.7\% | 615.3 | 4.7 | 0.8\% | 614.6 | 5.4 | 0.9\% |
| ME1 | 486227 | 2003 | Wet | December - |  | 29,729.2 | 29,728.0 | 1.2 | 0.0\% | 29,726.9 | 2.3 | 0.0\% | 29,726.9 | 2.3 | 0.0\% | 29,725.7 | 3.5 | 0.0\% | 29,725.7 | 3.5 | 0.0\% | 29,724.5 | 4.6 | 0.0\% |
| ME1 | 486227 | 2003 | Wet | January | - | 7,596.1 | 7,594.3 | 1.7 | 0.0\% | 7,594.1 | 2.0 | 0.0\% | 7,593.6 | 2.4 | 0.0\% | 7,593.2 | 2.9 | 0.0\% | 7,592.6 | 3.5 | 0.0\% | 7,592.1 | 3.9 | 0.1\% |
| ME1 | 486227 | 2003 | Wet | February - | - | 5,526.9 | 5,525.5 | 1.4 | 0.0\% | 5,525.2 | 1.6 | 0.0\% | 5,524.9 | 2.0 | 0.0\% | 5,524.4 | 2.4 | 0.0\% | 5,524.0 | 2.9 | 0.1\% | 5,523.6 | 3.2 | 0.1\% |
| ME1 | 486227 | 2003 | Wet | March |  | 11,054.9 | 11,053.6 | 1.3 | 0.0\% | $11,053.5$ 21,707 | 1.4 | 0.0\% | 11,053.1 | 1.7 | 0.0\% |  | 2.1 | 0.0\% | 11,052.3 | 2.5 | 0.0\% | $11,052.0$ 217396 | 2.9 | 0.0\% |
| ME1 | 486227 486227 | 2003 2003 | Wet | ${ }^{\text {April }}$ | $\cdots$ | $21,741.9$ $2,078.5$ | $21,740.7$ 2,0735 | 1.2 50 | 0.0\% | $21,740.7$ <br> 2,0728 | 1.2 5 | 0.0\% | $21,740.7$ 2.071 .6 | 1.2 68 | $0.0 \%$ <br> $0.3 \%$ | $21,739.6$ 2000.4 | 2.3 8.1 | 0.0\% | $21,739.6$ $2,069.0$ | 2.3 <br> 9 | 0.0\% | $21,739.6$ <br> 2,0676 <br> 1220 | 2.3 109 | 0.0\% $0.5 \%$ |
| ME 1 ME 1 | 486227 486227 | 2003 2003 | Wet Wet | May | $\cdots$ | $2,078.5$ 78.4 | $2,073.5$ 75.5 | 5.0 3.0 | - ${ }_{\text {0.2\% }}^{3.8 \%}$ | $2,072.8$ 75.1 | 5.7 3.4 | $\begin{aligned} & 0.3 \% \\ & 4.3 \% \end{aligned}$ | $2,071.6$ 74.3 | 6.8 4.1 | $\begin{aligned} & 0.3 \% \\ & 5.2 \% \end{aligned}$ | $2,070.4$ 73.6 | 8.1 4.8 | 0.4\% $6.2 \%$ | $2,069.0$ 72.9 | 9.5 5.5 | 0.5\% $7.1 \%$ | $2,067.6$ 72.2 | 10.9 6.3 | 0.5\% $8.0 \%$ |
| me 1 | 48627 | 2003 | Wet | July | -- | 62.4 | 59.1 | 3.3 | 5.2\% | 58.7 | 3.7 | 5.9\% | 57.8 | 4.6 | 7.4\% | 56.9 | 5.5 | 8.9\% | 56.0 | ${ }_{6.4}$ | 10.3\% | 55.0 | 7.4 | 11.8\% |
| ME1 | 48627 | 2003 | Wet | August | -- | 63.9 | 60.3 | 3.6 | 5.7\% | 59.7 | 4.2 | 6.5\% | 58.7 | 5.2 | 8.2\% | 57.6 | 6.3 | 9.8\% | 56.6 | 7.3 | 11.5\% | 55.4 | 8.5 | 13.4\% |
| ME1 | 48627 | 2003 | Wet | September | Used in Summary Table Analysis | 48.8 | 46.2 | 2.6 | 5.3\% | 45.8 | 2.9 | 6.0\% | 45.1 | 3.7 | 7.5\% | 44.4 | 4.4 | 9.0\% | 43.7 | 5.1 | 10.5\% | 42.9 | 5.9 | 12.0\% |
| ME1 | 48627 | 2004 | Wet | October | Used in Summary Table Analysis | 36.0 | 33.4 | 2.6 | 7.3\% | 33.1 | 3.0 | 8.3\% | 32.3 | 3.7 | 10.4\% | 31.5 | 4.5 | 12.5\% | 30.8 | 5.3 4.3 | 14.6\% | 30.0 4.1161 | 6.0 50 | ${ }^{16.7 \%}$ |
| ME1 | 48627 | 2004 | Wet | November | Used in Summary Table Analysis | 4,121.1 | 4,119.0 | 2.1 | 0.1\% | 4,118.6 | 2.4 | 0.1\% | 4,118.1 | 3.0 | 0.1\% | 4,117.4 | 3.7 | 0.1\% | 4,116.8 | 4.3 | 0.1\% | 4,116.1 | 5.0 | 0.1\% |
| ME1 | 486227 | 2004 | Wet | December |  | ${ }_{18,019.7}$ | 18,017.4 | 2.3 1 | 0.0\% | 18,017.4 | 2.3 | 0.0\% | 18,016.2 | 3.5 | 0.0\% | 18,016.2 | 3.5 | 0.0\% | 18,015.0 | 4.6 3.0 2, | 0.0\% $0.0 \%$ 0 | $18,015.0$ 10,1928 17 | 4.6 <br> 3.5 | 0.0\% $0.0 \%$ 0 |
| ME1 | 486227 | 2004 | Wet | January |  | 10,196.3 | 10,194.8 | 1.5 | 0.0\% | 10,194.6 | 1.7 | 0.0\% | 10,194.1 | 2.2 | 0.0\% | 10,193.6 | 2.7 | 0.0\% | 10,193.3 | 3.0 | 0.0\% | 10,192.8 | 3.5 | $0.0 \%$ $0.0 \%$ 0 |
| ME1 | 486227 486227 | 2004 2004 | Wet | February | - | $17,441.0$ 4.1477 | $17,439.8$ $4,146.6$ | 1.2 10 | 0.0\% | $17,439.8$ <br> 4.146 .5 <br> 3,526 | 1.2 1.2 | 0.0\% $0.0 \%$ | $\underset{\substack{17,438.7 \\ 4,146.2}}{ }$ | 2.3 1.5 | 0.0\% $0.0 \%$ | $17,438.7$ $4,115.9$ | 2.3 1.7 | 0.0\% $0.0 \%$ | $17,438.7$ $4,145.6$ | 2.3 2.1 | 0.0\% $0.1 \%$ | $17,437.5$ $4,145.3$ | 3.5 2.4 | $0.0 \%$ $0.1 \%$ |
| ME 1 ME 1 | 486227 486227 | 2004 2004 | Wet Wet | $\underset{\substack{\text { March } \\ \text { April }}}{ }$ | $\cdots$ | 4,147.7 $3,533.6$ | 4,146.6 $3,532.8$ | 1.0 0.8 | 0.0\% | 4,146.5 $3,532.6$ | 1.2 0.9 | 0.0\% | $4,146.2$ $3,532.4$ | 1.5 1.2 | 0.0\% | $4,145.9$ $3,532.1$ | 1.7 | 0.0\% | 4,145.6 $3,531.8$ | 2.1 1.7 | 0.1\% $0.0 \%$ | 4,145.3 $3,531.6$ | 2.4 2.0 | 0.1\% |
| ME1 | 48627 | 2004 | Wet | May | - | 1,054.5 | 1,049.8 | 4.7 | 0.4\% | 1,049.1 | 5.4 | 0.5\% | 1,047.8 | 6.7 | 0.6\% | 1,046.4 | 8.1 | 0.8\% | 1,045.1 | 9.4 | 0.9\% | 1,043.7 | 10.8 | 1.0\% |
| ME1 | 486227 | 2004 | Wet | June | - | 68.8 | 66.3 | 2.5 | 3.6\% | 65.9 | 2.8 | 4.1\% | 65.2 | 3.5 | 5.1\% | 64.5 | 4.2 | 6.1\% | 63.8 | 4.9 | 7.1\% | 63.2 | 5.6 | 8.1\% |
| ME1 | 48627 | 2004 | Wet | July | - | 55.9 | 52.7 | 3.2 | 5.6\% | 52.3 | 3.6 | 6.4\% | 51.4 | 4.5 | 8.0\% | 50.5 | 5.4 | 9.6\% | 49.6 | 6.2 | 11.2\% | 48.7 | 7.1 | 12.8\% |
| ME1 | 486227 | 2004 | Wet | August | -- | 49.2 | ${ }^{46.2}$ | 3.0 | 6.0\% | 45.8 | 3.4 | ${ }^{6.9 \%}$ | 45.0 | 4.2 | 8.6\% | 44.1 | 5.1 | 10.3\% | 43.3 <br> 35 | 5.9 | 12.0\% | 42.5 34.4 | 6.8 8.7 | 13.7\% |
| ME1 | 48627 | 2004 | Wet | September | Used in Summary Table Analysis | 43.1 | 39.3 | 3.8 | 8.8\% | 38.8 | 4.3 | 10.0\% | 37.7 | 5.4 | 12.5\% | 36.6 | 6.5 | 15.1\% | 35.5 | 7.6 | 17.6\% | 34.4 | 8.7 | 20.2\% |
| ME1 1 | 486227 | 2005 | Above Normal | October | Used in Summary Table Analysis | 5,793.5 | 5,790.6 | 2.9 | 0.0\% | 5,790.3 | 3.2 24 | 0.1\% | 5,789.5 | 4.1 | 0.1\% | $5,788.7$ <br> 9558 <br> 18.8 | 4.9 | 0.1\% | ${ }_{\text {5,787.7 }}$ | 5.8 4.3 | $0.1 \%$ $0.4 \%$ | ${ }^{5} 9786.9$ | 6.6 4.9 | 0.1\% |
| ME1 | 486227 | 2005 | Above Normal | November | Used in Summary Table Analysis | 959.5 | 957.4 | 2.1 | 0.2\% | 957.0 | 2.4 | 0.3\% | 956.4 | 3.1 | 0.3\% | 955.8 | 3.7 | 0.4\% | 955.2 | 4.3 | 0.4\% | 954.6 | 4.9 | $0.5 \%$ $0.0 \%$ 0 |
| ME1 | 48627 | 2005 | Above Normal | December - |  | 11,813.7 | 11,812.5 | 1.2 | 0.0\% | 11,881.3 | 2.3 | 0.0\% | 11,811.3 | 2.3 | 0.0\% | 11,810.2 | 3.5 | 0.0\% | 11,810.2 | ${ }^{3.5}$ | 0.0\% | 11,810.2 | 3.5 | 0.0\% |
| ME1 | 486227 | 2005 | Above Normal | January |  | 8,355.4 | 8,353.9 | 1.5 | 0.0\% | 8,353.7 | 1.7 | 0.0\% | 8,353.2 | 2.2 | 0.0\% | 8,352.8 | 2.7 | 0.0\% | 8,352.4 | 3.0 | 0.0\% | 8,352.0 | 3.5 | 0.0\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flow Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Note | Flow (ffs) |  | Flow Difference (cfs) | Percent Difference | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { Fiow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference |
| ME1 | 486227 | 2005 | Above Normal |  | February | -- | 4,628.9 | 4,627.7 | 1.3 | 0.0\% | 4,627.5 | 1.4 | 0.0\% | 4,627.1 | 1.9 | 0.0\% | 4,626.7 | 2.2 | 0.0\% | 4,626.5 | 2.4 | 0.1\% | 4,626.2 | 2.8 | 0.1\% |
| ME1 | 48627 | 2005 | Above Normal | March | - | 14,200.2 | 14,199.1 | 1.2 | 0.0\% | 14,199.1 | 1.2 | 0.0\% | 14,199.1 | 1.2 | 0.0\% | 14,197.9 | 2.3 | 0.0\% | 14,197.9 | 2.3 | 0.0\% | 14,197.9 | 2.3 | 0.0\% |
| ME1 | 486227 | 2005 | Above Normal | April | - | 9,180.0 | 9,179.1 | 0.9 | 0.0\% | $9,178.9$ | 1.0 | 0.0\% | 9,178.6 | 1.4 | 0.0\% | 9,178.4 | 1.6 | 0.0\% | 9,178.0 | 2.0 | 0.0\% | 9,177.8 | 2.2 | 0.0\% |
| ME1 | 48627 | 2005 | Above Normal | May | - | 8,471.5 | 8,466.4 | 5.1 | 0.1\% | 8,465.7 | 5.8 | 0.1\% | 8,464.2 | 7.3 | 0.1\% | 8,462.8 | 8.7 | 0.1\% | 8,461.3 | 10.2 | 0.1\% | 8,460.0 | 11.6 | 0.1\% |
| ME1 | 48627 | 2005 | Above Normal | June | - | 6,334.0 | 6,327.8 | 6.3 | 0.1\% | 6,327.0 | 7.1 | 0.1\% | 6,325.2 | 8.8 | 0.1\% | 6,323.5 | 10.5 | 0.2\% | 6,321.8 | 12.3 | 0.2\% | 6,320.0 | 14.0 | 0.2\% |
| ME1 | 48627 | 2005 | Above Normal | July | - | 91.8 | 87.9 | 3.9 | 4.2\% | 87.3 | 4.4 | 4.8\% | 86.3 | 5.5 | 6.0\% | 85.2 | 6.6 | 7.2\% | 84.1 | 7.6 | 8.3\% | 83.1 | 8.7 | 9.5\% |
| ME1 | 48627 | 2005 | Above Normal | August | -- | 64.8 | 61.9 | 2.9 | 4.5\% | 61.5 | 3.3 | 5.1\% | 60.6 | 4.2 | 6.4\% | 59.8 | 5.0 | 7.7\% | 59.0 | 5.8 | 9.0\% | 58.1 | 6.6 | 10.3 |
| ME1 | 48627 | 2005 | Above Normal | September | Used in Summary Table Analysis | 54.8 | 52.2 | 2.6 | 4.7\% | 51.8 | 2.9 | 5.3\% | 51.1 | 3.7 | 6.7\% | 50.4 | 4.4 | 8.0\% | 49.7 | 5.1 | 9.3\% | 48.9 | 5.8 | 10.7\% |
| ME1 | 48627 | 2006 | Wet | October | Used in Summary Table Analysis | 247.6 | 244.9 | 2.7 | 1.1\% | 244.5 | 3.0 | 1.2\% | 243.8 | 3.8 | 1.5\% | 243.0 | 4.6 | 1.9\% | 242.2 | 5.3 | 2.2\% | 241.4 | 6.1 | 2.5\% |
| me 1 | 48627 | 2006 | Wet | November | Used in Summary Table Analysis | 6,495.8 | 6,494.0 | 1.9 | 0.0\% | 6,493.6 | 2.2 | 0.0\% | 6,493.1 | 2.8 | 0.0\% | 6,492.5 | 3.4 | 0.1\% | 6,491.9 | 3.9 | 0.1\% | 6,491.3 | 4.5 | 0.1\% |
| ME1 | 48627 | 2006 | Wet | December |  | 19,958.3 | 19,956.0 | 2.3 | 0.0\% | 19,956.0 | 2.3 | 0.0\% | 19,956.0 | 2.3 | 0.0\% | 19,954.9 | 3.5 | 0.0\% | 19,954.9 | 3.5 | 0.0\% | 19,953.7 | 4.6 | 0.0\% |
| ME1 | 48627 | 2006 | Wet | January | -- | 16,843.8 | 16,842.6 | 1.2 | 0.0\% | 16,842.6 | 1.2 | 0.0\% | 16,841.4 | 2.3 | 0.0\% | 16,841.4 | 2.3 | 0.0\% | 16,840.3 | 3.5 | 0.0\% | 16,840.3 | 3.5 | 0.0\% |
| ME1 | 486227 | 2006 | Wet | February | -- | 9,294.4 | 9,293.4 | 1.0 | 0.0\% | 9,293.2 | 1.3 | 0.0\% | 9,292.8 | 1.6 | 0.0\% | 9,292.5 | 2.0 | 0.0\% | 9,292.1 | 2.3 | 0.0\% | 9,291.8 | 2.7 | 0.0\% |
| ME1 | 48627 | 2006 | Wet | March | - | 23,150.5 | 23,149.3 | 1.2 | 0.0\% | 23,149.3 | 1.2 | 0.0\% | 23,149.3 | 1.2 | 0.0\% | 23,199.3 | 1.2 | 0.0\% | 23,148.1 | 2.3 | 0.0\% | 23,148.1 | 2.3 | 0.0\% |
| ME1 | 48627 | 2006 | Wet | April | - | 11,453.2 | 11,452.3 | 0.9 | 0.0\% | 11,452.2 | 1.0 | 0.0\% | 11,452.0 | 1.3 | 0.0\% | 11,451.7 | 1.5 | 0.0\% | 11,451.5 | 1.7 | 0.0\% | 11,451.2 | 2.1 | 0.0\% |
| ME1 | 48627 | 2006 | Wet | May | - | 4,628.2 | 4,626.6 | 1.6 | 0.0\% | 4,626.4 | 1.9 | 0.0\% | 4,625.9 | 2.3 | 0.1\% | 4,625.3 | 2.9 | 0.1\% | 4,624.9 | 3.4 | 0.1\% | 4,624.4 | 3.8 | 0.1\% |
| ME1 | 48627 | 2006 | Wet | June | - | 561.9 | 556.7 | 5.3 | 0.9\% | 555.9 | 6.0 | 1.1\% | 554.5 | 7.5 | 1.3\% | 553.0 | 8.9 | 1.6\% | 551.6 | 10.3 | 1.8\% | 550.2 | 11.8 | 2.1\% |
| ME1 | 486227 | 2006 | Wet | July | - | 74.6 | 71.5 | 3.1 | 4.2\% | 71.0 | 3.6 | 4.8\% | 70.2 | 4.4 | 5.9\% | 69.3 | 5.3 | 7.1\% | 68.5 | 6.1 | 8.2\% | 67.6 | 7.0 | 9.3\% |
| ME1 | 48627 | 2006 | Wet | August | -- | 60.4 | 57.4 | 3.0 | 5.0\% | 57.0 | 3.4 | 5.6\% | 56.2 | 4.2 | 7.0\% | 55.4 | 5.0 | 8.4\% | 54.5 | 5.9 | 9.7\% | 53.7 | 6.7 | 11.1\% |
| ME1 | 48627 | 2006 | Wet | September | Used in Summary Table Analysis | 53.0 | 50.4 | 2.6 | 4.8\% | 50.1 | 2.9 | 5.5\% | 49.4 | 3.6 | 6.8\% | 48.7 | 4.3 | 8.2\% | 48.0 | 5.1 | 9.5\% | 47.2 | 5.8 | 10.9\% |
| ME1 | 486227 | 2007 | Above Normal | October | Used in Summary Table Analysis | 43.8 | 41.2 | 2.6 | 5.9\% | 40.8 | 3.0 | 6.7\% | 40.1 | 3.7 | 8.4\% | 39.3 | 4.5 | 10.2\% | 38.6 | 5.2 | 11.9\% | 37.8 | 6.0 | 13.6\% |
| ME1 | 48627 | 2007 | Above Normal | November | Used in Summary Table Analysis | 5,881.8 | 5,879.7 | 2.1 | 0.0\% | 5,879.4 | 2.4 | 0.0\% | 5,878.8 | 3.0 | 0.1\% | 5,878.1 | 3.7 | 0.1\% | 5,877.4 | 4.4 | 0.1\% | 5,876.9 | 5.0 | 0.1\% |
| ME1 | 486227 | 2007 | Above Normal | December |  | 10,860.9 | 10,859.0 | 1.9 | 0.0\% | 10,858.7 | 2.2 | 0.0\% | 10,858.1 | 2.8 | 0.0\% | 10,857.6 | 3.2 | 0.0\% | 10,856.8 | 4.1 | 0.0\% | 10,856.4 | 4.5 | 0.0\% |
| ME1 | 48627 | 2007 | Above Normal | January | -- | 2,463.4 | 2,461.9 | 1.5 | 0.1\% | 2,461.7 | 1.7 | 0.1\% | 2,461.3 | 2.1 | 0.1\% | 2,460.9 | 2.5 | 0.1\% | 2,460.4 | 3.0 | 0.1\% | 2,460.0 | 3.5 | 0.1\% |
| ME1 | 486227 | 2007 | Above Normal | February | -- | 17,594.9 | 17,593.8 | 1.2 | 0.0\% | 17,593.8 | 1.2 | 0.0\% | 17,593.8 | 1.2 | 0.0\% | 17,592.6 | 2.3 | 0.0\% | 17,592.6 | 2.3 | 0.0\% | 17,592.6 | 2.3 | 0.0\% |
| ME1 | 48627 | 2007 | Above Normal | March | - | 5,045.7 | 5,044.6 | 1.2 | 0.0\% | 5,044.4 | 1.3 | 0.0\% | 5,044.1 | 1.6 | 0.0\% | 5,043.9 | 1.9 | 0.0\% | 5,043.5 | 2.2 | 0.0\% | 5,043.2 | 2.5 | 0.1\% |
| ME1 | 48627 | 2007 | Above Normal | April | - | 6,482.5 | 6,477.8 | 4.7 | 0.1\% | 6,477.1 | 5.4 | 0.1\% | 6,475.7 | 6.8 | 0.1\% | 6,474.4 | 8.1 | 0.1\% | 6,473.0 | 9.5 | 0.1\% | 6,471.6 | 10.9 | 0.2\% |
| ME1 | 486227 | 2007 | Above Normal | May | - | 1,264.5 | 1,260.8 | 3.7 | 0.3\% | 1,260.3 | 4.2 | 0.3\% | 1,259.1 | 5.3 | 0.4\% | 1,258.1 | 6.4 | 0.5\% | 1,256.9 | 7.5 | 0.6\% | 1,255.9 | 8.6 | 0.7\% |
| ME1 | 48627 | 2007 | Above Normal | June | - | 458.8 | 453.2 | 5.5 | 1.2\% | 452.4 | 6.3 | 1.4\% | 450.9 | 7.9 | 1.7\% | 449.3 | 9.5 | 2.1\% | 447.7 | 11.0 | 2.4\% | 446.2 | 12.6 | 2.7\% |
| ME1 | 48627 | 2007 | Above Normal | July | - | 107.3 | 103.3 | 4.0 | 3.8\% | 102.7 | 4.6 | 4.3\% | 101.6 | 5.7 | 5.3\% | 100.5 | 6.8 | 6.4\% | 99.4 | 7.9 | 7.4\% | 98.3 | 9.0 | 8.4\% |
| ME1 | 48627 | 2007 | Above Normal | August | -- | 53.5 | 50.5 | 3.1 | 5.8\% | 50.0 | 3.5 | 6.6\% | 49.2 | 4.4 | 8.2\% | 48.3 | 5.2 | 9.8\% | 47.4 | 6.1 | 11.4\% | 46.6 | 7.0 | 13.0\% |
| ME1 | 48627 | 2007 | Above Normal | September | Used in Summary Table Analysis | 48.5 | 45.8 | 2.8 | 5.7\% | 45.4 | 3.2 | 6.5\% | 44.6 | 4.0 | 8.2\% | 43.8 | 4.8 | 9.8\% | 43.0 | 5.5 | 11.4\% | 42.2 | 6.4 | 13.1\% |
| ME1 | 486227 | 2008 | Dry | October | Used in Summary Table Analysis | 2,917.7 | 2,914.8 | 2.9 | 0.1\% | 2,914.4 | 3.4 | 0.1\% | 2,913.5 | 4.2 | 0.1\% | 2,912.7 | 5.0 | 0.2\% | 2,911.8 | 5.9 | 0.2\% | 2,911.0 | ${ }_{51}^{6.7}$ | 0.2\% |
| ME1 | 48627 | 2008 | Dry | November | Used in Summary Table Analysis | 2,156.0 | 2,153.8 | 2.2 | 0.1\% | 2,153.6 | 2.4 | 0.1\% | 2,152.9 | 3.1 | 0.1\% | 2,152.2 | 3.8 | 0.2\% | 2,151.6 | 4.4 | 0.2\% | 2,150.9 | 5.1 | 0.2\% |
| ME1 | 48627 | 2008 | Dry | December |  | 14,186.3 | 14,184.0 | 2.3 | 0.0\% | 14,184.0 | 2.3 | 0.0\% | 14,184.0 | 2.3 | 0.0\% | 14,182.9 | 3.5 | 0.0\% | 14,182.9 | 3.5 | 0.0\% | 14,181.7 | 4.6 | 0.0\% |
| ME1 | 48627 | 2008 | Dry | January | - | 15,875.0 | 15,872.7 | 2.3 | 0.0\% | 15,872.7 | 2.3 | 0.0\% | 15,872.7 | 2.3 | 0.0\% | 15,871.5 | 3.5 | 0.0\% | 15,871.5 | 3.5 | 0.0\% | 15,870.4 | 4.6 | 0.0\% |
| ME1 | 486227 | 2008 | Dry | February | -- | 6,489.9 | 6,488.7 | 1.3 | 0.0\% | 6,488.4 | 1.5 | 0.0\% | 6,488.1 | 1.9 | 0.0\% | 6,487.6 | 2.3 | 0.0\% | 6,487.3 | 2.7 | 0.0\% | 6,486.9 | 3.0 | 0.0\% |
| ME1 | 486227 | 2008 | Dry | March | - | 3,163.8 | 3,162.7 | 1.0 | 0.0\% | 3,162.6 | 1.2 | 0.0\% | 3,162.3 | 1.5 | 0.0\% | 3,161.9 | 1.9 | 0.1\% | 3,161.7 | 2.1 | 0.1\% | 3,161.3 | 2.4 | 0.1\% |
| ME1 | 48627 | 2008 | Dry | April | - | 4,317.8 | 4,312.4 | 5.4 | 0.1\% | 4,311.6 | 6.3 | 0.1\% | 4,310.1 | 7.8 | 0.2\% | 4,308.6 | 9.3 | 0.2\% | 4,306.9 | 10.9 | 0.3\% | 4,305.4 | 12.4 | 0.3\% |
| ME1 | 48627 | 2008 | Dry | May | - | 76.0 | 73.3 | 2.7 | 3.5\% | 73.0 | 3.1 | 4.0\% | 72.2 | 3.8 | 5.0\% | 71.5 | 4.5 | 5.9\% | 71.0 | 5.1 | 6.6\% | 70.4 | 5.6 | 7.3\% |
| ME1 | 486227 | 2008 | Dry | June | - | 75.7 | 70.1 | 5.7 | 7.5\% | 69.2 | 6.5 | 8.6\% | 67.7 | 8.1 | 10.7\% | 66.1 | 9.7 | 12.8\% | 64.5 | 11.3 | 14.9\% | 62.9 | 12.8 | 17.\% |
| ME1 | 486227 | 2008 | Dry | July | - | 48.1 | 44.1 | 4.0 | 8.3\% | 43.6 | 4.5 | 9.4\% | 42.4 | 5.7 | 11.8\% | 41.3 | 6.8 | 14.1\% | 40.2 | 7.9 | 16.4\% | 39.1 | 9.0 | 18.7\% |
| ME1 | 486227 | 2008 | Dry | August | -- | 44.6 | 40.7 | 3.9 | 8.7\% | 40.1 | 4.4 | 9.9\% | 39.0 | 5.5 | 12.4\% | 37.9 | 6.6 | 14.9\% | 36.8 | 7.8 | 17.4\% | 35.7 | 8.9 | 19.9\% |
| ME1 | 48627 | 2008 | Dry | September | Used in Summary Table Analysis | 33.3 | 28.4 | 4.9 | 14.7\% | 27.7 | 5.6 | 16.9\% | 26.3 | 7.0 | 21.1\% | 24.8 | 8.4 | 25.3\% | 23.4 | 9.8 | 29.6\% | 22.0 | 11.3 | 33.8\% |
| ME1 | 48627 | 2009 | Critical | October | Used in Summary Table Analysis | 650.9 | 647.2 | 3.7 | 0.6\% | 646.6 | 4.3 | 0.7\% | 645.5 | 5.4 | 0.8\% | 644.4 | 6.5 | 1.0\% | 643.6 | 7.3 | 1.1\% | 642.5 | 8.4 | 1.3\% |
| ME1 | 48627 | 2009 | Critical | November | Used in Summary Table Analysis | 3,864.9 | 3,862.3 | 2.7 | 0.1\% | 3,861.8 | 3.1 | 0.1\% | 3,861.1 | 3.8 | 0.1\% | 3,860.3 | 4.6 | 0.1\% | 3,859.5 | 5.4 | 0.1\% | 3,858.7 | 6.3 | 0.2\% |
| ME1 | 48627 | 2009 | Critical | December | -- | 7,165.9 | 7,163.5 | 2.3 | 0.0\% | 7,163.2 | 2.7 | 0.0\% | 7,162.3 | 3.6 | 0.1\% | 7,161.6 | 4.3 | 0.1\% | 7,160.9 | 5.0 | 0.1\% | 7,160.3 | 5.6 | 0.1\% |
| ME1 | 486227 | 2009 | Critical | January | -- | 4,429.4 | 4,427.5 | 1.9 | 0.0\% | 4,427.2 | 2.2 | 0.0\% | ${ }^{4,426.6}$ | 2.8 | 0.1\% | 4,426.0 | 3.4 | 0.1\% | ${ }^{4.4255 .6}$ | 3.8 | 0.1\% | 4,425.0 13510. | 4.4 | 0.1\% |
| ME1 | 486227 | 2009 | Critical | February | - | 13,515.0 | 13,512.7 | 2.3 | 0.0\% | 13,512.7 | 2.3 | 0.0\% | 13,512.7 | 2.3 | 0.0\% | 13,511.6 | 3.5 | 0.0\% | 13,511.6 | 3.5 | 0.0\% | 13,510.4 | 4.6 | 0.0\% |
| ME1 | 486227 48627 | 2009 | Critical Critical | March | $\cdots$ | $10,992.5$ 47962 | $10,991.1$ 4,7906 | 1.4 5 | 0.0\% | $10,990.9$ <br> 7889 | ${ }^{1.6}$ | 0.0\% | $10,990.5$ 47882 | 2.0 80 | 0.0\% | $10,990.2$ 47866 | 2.3 | 0.0\% | $10,9898.7$ 47850 | 2.8 | 0.0\% | $10,989.4$ 4783 | 3.1 128 | 0.0\% |
| ME1 | 486227 | 2009 | Critical | April | - | 4,796.2 | 4,790.6 | 5.6 | 0.1\% | 4,789.8 | ${ }^{6.4}$ | 0.1\% | 4,788.2 | 8.0 | 0.2\% | 4,786.6 | ${ }^{9.6}$ | 0.2\% | 4,785.0 | 11.2 | 0.2\% | 4,783.3 | 12.8 | 0.3\% |
| ME1 ME 1 | ${ }_{486227}^{48627}$ | 2009 209 | Critical Critical | May | $\cdots$ | $10,345.9$ <br> 336.9 <br> 6.3 | $10,30.9$ 330.2 | 5.1 6.6 | 0.0\% 2.0\% | $10,340.2$ 329.3 6.3 | 5.8 7.6 | 2.1.\% | $10,388.8$ 327.3 | ${ }_{9}^{7.5}$ | 2.8\% | $10,337.4$ 325.4 | 8.6 11.5 | 3.14\% | $10,335.6$ 323.5 | 10.3 13.4 | - $4.0 \%$ | $10,334.1$ 321.5 | 11.8 15.3 | 4.5\% |
| ME1 | 486227 | 2009 | Critical | July | - | 68.3 | 64.2 | 4.0 | 5.9\% | 63.7 | 4.6 | 6.7\% | 62.6 | 5.7 | 8.3\% | 61.5 | 6.8 | 9.9\% | 60.4 | 7.8 | 11.5\% | 59.4 | 8.9 | 13.0\% |
| ME1 | 486227 | 2009 | Critical | August | -- | 54.2 | 50.4 | 3.9 | 7.1\% | 49.8 | 4.4 | 8.1\% | 48.7 | 5.5 | 10.1\% | 47.6 | 6.6 | 12.1\% | 46.5 | 7.7 | 14.1\% | 45.4 | 8.8 | 16.2\% |
| ME1 | 486227 | 2009 | Critical | September | Used in Summary Table Analysis | 48.2 | 44.8 | 3.4 | 7.1\% | 44.3 | 3.9 | 8.1\% | 43.3 | 4.9 | 10.2\% | 42.3 | 5.9 | 12.2\% | ${ }^{41.3}$ | 6.9 | 14.2\% | 40.3 | 7.9 | 16.3\% |
| ME1 | 486227 | 2010 | Below Normal | October | Used in Summary Table Analysis | 5,087.3 | 5,083.7 | 3.6 | 0.1\% | 5,083.2 | 4.1 | 0.1\% | 5,082.2 | 5.1 | 0.1\% | 5,081.1 | 6.1 | 0.1\% | 5,080.2 | 7.1 | 0.1\% | 5,079.2 | 8.1 | 0.2\% |
| ME1 | 486227 | 2010 | Below Normal | November | Used in Summary Table Analysis | 6,061.6 | 6,058.8 | 2.8 | 0.0\% | 6,058.4 | 3.1 | 0.1\% | ${ }^{6,057.6}$ | 3.9 | 0.1\% | 6,056.8 | 4.7 | 0.1\% | 6,056.0 | 5.6 | 0.1\% | 6,055.2 | ${ }^{6.4}$ | 0.1\% |
| ME1 | 486227 | 2010 | Below Normal | December | - | 6,261.1 | 6,258.9 | 2.2 | 0.0\% | 6,258.6 | 2.5 | 0.0\% | 6,257.9 | 3.2 | 0.1\% | 6,257.2 | 3.9 | 0.1\% | 6,256.5 | 4.6 | 0.1\% | 6,255.8 | 5.3 | 0.1\% |
| ME1 | 486227 | 2010 | Below Normal | January | -- | 17,998.8 | 17.996 .5 | 2.3 | 0.0\% | 17,996.5 | 2.3 | 0.0\% | 17,996.5 | 2.3 | 0.0\% | 17,995.4 | 3.5 | 0.0\% | 17,995.4 | 3.5 | 0.0\% | 17,994.2 | 4.6 3 | 0.0\% |
| ME1 | 486227 | 2010 | Below Normal | February |  | 11,604.2 | 11,601.9 | 2.3 | 0.0\% | 11,601.9 | 2.3 | 0.0\% | 11,601.9 | 2.3 | 0.0\% | 11,600.7 | 3.5 | 0.0\% | 11,600.7 | 3.5 <br> 2 | 0.0\% | $11,600.7$ 15,938 | 3.5 | - $0.0 \%$ |
| ME1 | 486227 486227 | 2010 | Below Normal Below Normal | March | $\cdots$ | 15,943.3 | $15,942.1$ 22.750 .0 | 1.2 1.2 | -0.0\% | $15,942.1$ 22,750.0 | 1.2 1.2 | 0.0\% | $115,941.0$ 22.750 .0 | 2.3 <br> 1.2 <br> 1 | -0.0\% | $15,941.0$ <br> 22,750.0 <br> 6 | 2.3 1.2 | 0.0\% | $15,941.0$ <br> 22.788 .8 | 2.3 2.3 | -0.0\% | $15,939.8$ <br> $22,788.8$ <br> 6.38 .7 | 3.5 2.3 | - |
| ME1 | 486227 | 2010 | Below Normal | May | -- | 6,388.7 | 6,383.6 | ${ }_{5.1}^{1.2}$ | 0.1\% | 6,382.8 | 5.9 | 0.1\% | 6,381.3 | 7.4 | 0.1\% | 6,379.7 | ${ }_{8.9}^{1.2}$ | 0.1\% | 6,378.2 | 10.4 | 0.2\% | ${ }_{6,376.7}$ | 11.9 | 0.2\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  | (Row, Column, Surface Water Reach) | Water Year Water Year Type |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Month | Note | Without <br> Pumping <br> (cfs) | Flow (cfs) | $\begin{aligned} & \text { Fifow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cts) | $\begin{aligned} & \text { Fiffow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Diffow } \\ & \text { Difference } \end{aligned}$ (ffs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Fifference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME1 | 486227 | 2010 | Below Normal | June | - | 3,599.0 | 3,592.6 | 6.4 | 0.2\% | 3,591.7 | 7.3 | 0.2\% | 3,589.9 | 9.0 | 0.3\% | 3,588.2 | 10.8 | 0.3\% | 3,586.5 | 12.5 | 0.3\% | 3,584.7 | 14.2 | 0.4\% |
| ME1 | 48627 | 2010 | Below Normal | July | - | 88.4 | 84.6 | 3.8 | 4.3\% | 84.1 | 4.3 | 4.9\% | 83.0 | 5.4 | 6.1\% | 81.9 | 6.5 | 7.4\% | 80.7 | 7.6 | 8.6\% | 79.9 | 8.5 | 9.6\% |
| ME1 | 48627 | 2010 | Below Normal | August | -- | 66.3 | 63.3 | 3.1 | 4.5\% | 62.8 | 3.5 | 5.3\% | 61.9 | 4.4 | 6.7\% | 61.1 | 5.3 | 7.9\% | 60.2 | 6.1 | 9.2\% | 59.3 | 7.0 | 10.6\% |
| ME1 | 48627 | 2010 | Below Normal | September | Used in Summary Table Analysis | 319.5 | 315.5 | 4.0 | 1.3\% | 314.9 | 4.6 | 1.4\% | 313.7 | 5.8 | 1.8\% | 312.6 | 6.9 | 2.1\% | 311.4 | 8.0 | 2.5\% | 310.3 | 9.2 | 2.9\% |
| ME1 | 486227 | 2011 | Wet | October | Used in Summary Table Analysis | 7,127.0 | 7,124.3 | 2.7 | 0.0\% | 7,124.0 | 3.0 | 0.0\% | 7,123.1 | 3.8 | 0.1\% | 7,122.5 | 4.5 | 0.1\% | 7,121.6 | 5.3 | 0.1\% | 7,120.8 | 6.1 | 0.1\% |
| ME1 | 48627 | 2011 | wet | November | Used in Summary Table Analysis | 6,143.3 | 6,141.2 | 2.1 | 0.0\% | 6,140.9 | 2.4 | 0.0\% | 6,140.3 | 3.0 | 0.0\% | 6,139.7 | 3.6 | 0.1\% | 6,139.0 | 4.3 | 0.1\% | 6,138.4 | 4.9 | 0.1\% |
| ME1 | 48627 | 2011 | Wet | December |  | 17,415.5 | 17,413.2 | 2.3 | 0.0\% | 17,413.2 | 2.3 | 0.0\% | 17,413.2 | 2.3 | 0.0\% | 17,412.0 | 3.5 | 0.0\% | 17,412.0 | 3.5 | 0.0\% | 17,410.9 | 4.6 | 0.0\% |
| ME1 | 486227 | 2011 | Wet | January | - | 3,454.4 | 3,453.1 | 1.3 | 0.0\% | 3,452.9 | 1.5 | 0.0\% | 3,452.5 | 1.9 | 0.1\% | 3,452.1 | 2.3 | 0.1\% | 3,451.6 | 2.8 | 0.1\% | 3,451.3 | 3.1 | 0.1\% |
| ME1 | 48627 | 2011 | Wet | February | - | 10,677.4 | 10,676.2 | 1.3 | 0.0\% | 10,675.9 | 1.5 | 0.0\% | 10,675.6 | 1.9 | 0.0\% | 10,675.2 | 2.2 | 0.0\% | 10,674.9 | 2.5 | 0.0\% | 10,674.5 | 2.9 | 0.0\% |
| ME1 | 486227 | 2011 | wet | March | - | 28,56.7 | 28,55.6 | 1.2 | 0.0\% | 28,55.6 | 1.2 | 0.0\% | 28,554.4 | 2.3 | 0.0\% | 28,554.4 | 2.3 | 0.0\% | 28,554.4 | 2.3 | 0.0\% | 28,554.4 | 2.3 | 0.0\% |
| ME1 | 48627 | 2011 | wet | April | - | 11,030.7 | 11,029.7 | 0.9 | 0.0\% | 11,029.6 | 1.0 | 0.0\% | 11,029.3 | 1.4 | 0.0\% | 11,029.1 | 1.6 | 0.0\% | 11,028.7 | 2.0 | 0.0\% | 11,028.5 | 2.2 | 0.0\% |
| ME1 | 486227 | 2011 | Wet | May | - | 4,788.8 | 4,784.1 | 4.6 | 0.1\% | 4,783.4 | 5.3 | 0.1\% | 4,782.1 | 6.7 | 0.1\% | 4,780.6 | 8.2 | 0.2\% | 4,779.3 | 9.5 | 0.2\% | 4,777.8 | 11.0 | 0.2\% |
| ME1 | 48627 | 2011 | Wet | June | - | 3,122.9 | 3,116.7 | 6.3 | 0.2\% | 3,115.9 | 7.1 | 0.2\% | 3,114.1 | 8.8 | 0.3\% | 3,112.4 | 10.5 | 0.3\% | 3,110.6 | 12.3 | 0.4\% | 3,108.9 | 14.0 | 0.4\% |
| ME1 | 48627 | 2011 | Wet | July | - | 215.1 | 209.7 | 5.4 | 2.5\% | 208.9 | 6.2 | 2.9\% | 207.4 | 7.7 | 3.6\% | 205.9 | 9.2 | 4.3\% | 204.3 | 10.8 | 5.0\% | 202.8 | 12.3 | 5.7\% |
| ME1 | 486227 | 2011 | Wet | August | -- | 65.2 | 62.3 | 2.9 | 4.5\% | 61.8 | 3.3 | 5.1\% | 61.0 | 4.2 | 6.4\% | 60.2 | 5.0 | 7.7\% | 59.3 | 5.8 | 8.9\% | 58.5 | 6.6 | 10.2\% |
| ME1 | 48627 | 2011 | Wet | September | Used in Summary Table Analysis | 54.8 | 52.2 | 2.6 | 4.7\% | 51.8 | 2.9 | 5.3\% | 51.1 | 3.6 | 6.6\% | 50.4 | 4.3 | 7.9\% | 49.7 | 5.1 | 9.2\% | 49.0 | 5.8 | 10.5\% |
| ME1 | 48627 | 2012 | Below Normal | October | Used in Summary Table Analysis | 3,519.2 | 3,516.7 | 2.5 | 0.1\% | 3,516.3 | 2.9 | 0.1\% | 3,515.6 | 3.6 | 0.1\% | 3,514.8 | 4.4 | 0.1\% | 3,514.1 | 5.1 | 0.1\% | 3,513.3 | 5.9 | 0.2\% |
| ME1 | 486227 | 2012 | Below Normal | November | Used in Summary Table Analysis | 4,803.2 | 4,800.2 | 2.1 | 0.0\% | 4,800.9 | 2.3 | 0.0\% | 4,800.2 | 3.0 | 0.1\% | 4,799.7 | 3.6 | 0.1\% | 4,799.1 | 4.2 | 0.1\% | 4,798.4 | 4.9 | 0.1\% |
| ME1 | 48627 | 2012 | Below Normal | December | -- | 1,952.0 | 1,950.2 | 1.7 | 0.1\% | 1,950.0 | 2.0 | 0.1\% | 1,949.5 | 2.4 | 0.1\% | 1,949.1 | 2.9 | 0.1\% | 1,948.5 | 3.5 | 0.2\% | 1,948.0 | 3.9 | 0.2\% |
| ME1 | 486227 | 2012 | Below Normal | January | -- | 11,396.2 | 11,394.7 | 1.5 | 0.0\% | 11,394,6 | 1.6 | 0.0\% | 11,394.1 | 2.1 | 0.0\% | 11,393.8 | 2.4 | 0.0\% | 11,393.3 | 2.9 | 0.0\% | 11,392.8 | 3.4 | 0.0\% |
| me 1 | 48627 | 2012 | Below Normal | February | -- | 6,636.2 | 6,635.1 | 1.2 | 0.0\% | 6,634.8 | 1.4 | 0.0\% | 6,634.5 | 1.7 | 0.0\% | 6,634.1 | 2.1 | 0.0\% | 6,633.8 | 2.4 | 0.0\% | 6,633.4 | 2.8 | 0.0\% |
| ME1 | 48627 | 2012 | Below Normal | March | - | 25,053.2 | 25,052.1 | 1.2 | 0.0\% | 25,052.1 | 1.2 | 0.0\% | 25,050.9 | 2.3 | 0.0\% | 25,050.9 | 2.3 | 0.0\% | 25,050.9 | 2.3 | 0.0\% | 25,049.8 | 3.5 | 0.0\% |
| ME1 | 48627 | 2012 | Below Normal | April | - | 12,476.9 | 12,475.7 | 1.2 | 0.0\% | 12,475.7 | 1.2 | 0.0\% | 12,475.7 | 1.2 | 0.0\% | 12,474.5 | 2.3 | 0.0\% | 12,474.5 | 2.3 | 0.0\% | 12,474.5 | 2.3 | 0.0\% |
| ME1 | 48627 | 2012 | Below Normal | May | - | 2,041.2 | 2,036.3 | 4.9 | 0.2\% | 2,035.6 | 5.6 | 0.3\% | 2,034.3 | 6.9 | 0.3\% | 2,032.9 | 8.3 | 0.4\% | 2,031.5 | 9.7 | 0.5\% | 2,030.1 | 11.1 | 0.5\% |
| ME1 | 48627 | 2012 | Below Normal | June | - | 3,028.2 | 3,022.0 | 6.3 | 0.2\% | 3,021.1 | 7.2 | 0.2\% | 3,019.3 | 8.9 | 0.3\% | 3,017.6 | 10.6 | 0.4\% | 3,015.9 | 12.4 | 0.4\% | 3,014.0 | 14.2 | 0.5\% |
| me 1 | 48627 | 2012 | Below Normal | July | - | 1,079.9 | 1,074.4 | 5.5 | 0.5\% | 1,073.6 | 6.3 | 0.6\% | 1,072.0 | 7.8 | 0.7\% | 1,070.5 | 9.4 | 0.9\% | 1,068.9 | 11.0 | 1.0\% | 1,067.4 | 12.5 | 1.2\% |
| ME1 | 48627 | 2012 | Below Normal | August | - | 72.1 | 69.2 | 2.9 | 4.0\% | 68.9 | 3.3 | 4.5\% | 68.0 | 4.1 | 5.6\% | 67.2 | 4.9 | 6.8\% | 66.4 | 5.7 | 7.9\% | 65.6 | 6.5 | 9.0\% |
| ME1 | 486227 | 2012 | Below Normal | September | Used in Summary Table Analysis | 58.6 | 56.0 | 2.6 | 4.5\% | 55.7 | 3.0 | 5.1\% | 54.9 | 3.7 | 6.3\% | 54.2 | 4.4 | 7.5\% | 53.5 | 5.1 | 8.7\% | 52.8 | 5.8 | 10.0\% |
| ME1 | 486227 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,478.7 | 1,475.8 | 2.9 | 0.2\% | 1,475.5 | 3.2 | 0.2\% | 1,474.7 | 4.1 | 0.3\% | 1,473.8 | 4.9 | 0.3\% | $1,473.0$ | 5.7 | 0.4\% | 1,472.1 | 6.6 | 0.4\% |
| ME1 | 48627 | 2013 | Below Normal | November | Used in Summary Table Analysis | 9,451.6 | 9,449.4 | 2.2 | 0.0\% | 9,449.1 | 2.5 | 0.0\% | 9,448.5 | 3.1 | 0.0\% | 9,447.8 | 3.8 | 0.0\% | 9,447.1 | 4.5 | 0.0\% | 9,446.5 | 5.1 | 0.1\% |
| ME1 | 486227 | 2013 | Below Normal | December | - | 32,023.1 | 32,020.8 | 2.3 | 0.0\% | 32,020.8 | 2.3 | 0.0\% | 32,019.7 | 3.5 | 0.0\% | 32,019.7 | 3.5 | 0.0\% | 32,018.5 | 4.6 | 0.0\% | 32,018.5 | 4.6 | 0.0\% |
| ME1 | 486227 | 2013 | Below Normal | January | - | 4,806.3 | 4,804.9 | 1.4 | 0.0\% | 4,804.6 | 1.6 | 0.0\% | 4,804.2 | 2.1 | 0.0\% | 4,803.7 | 2.5 | 0.1\% | 4,803.2 | 3.0 | 0.1\% | 4,802.8 | 3.5 | 0.1\% |
| ME1 | 486227 486227 | 2013 | Below Normal Below Normal | February | $\cdots$ | $3,058.8$ <br> 5 <br> 5171 | ${ }^{3,057.5}$ | 1.3 10 | 0.0\% | $3,057.3$ 5 5 46159 | 1.5 | 0.0\% $0.0 \%$ $0.0 \%$ | $3,056.9$ 5,6156 | 1.9 | $0.1 \%$ $0.0 \%$ 0.0 | $3,056.5$ 5,6153 | 2.3 <br> 19 | 0.1\% $0.0 \%$ 0.0 | $3,056.1$ 5614 | 2.7 2.2 | 0.1\% | $3,055.7$ <br> 5,614 <br> , 436 | 3.1 <br> .25 <br> 1 | $0.1 \%$ $0.0 \%$ 0.0 |
| ME 1 ME 1 | 486227 486227 | 2013 2013 | Below Normal Below Normal | March | $\cdots$ | ${ }_{4,388.1}$ | 5,616.1 $4,378.5$ | $\begin{aligned} & 1.0 \\ & 4.6 \end{aligned}$ | 0.0\% | 5,615.9 $4,377.8$ | $\begin{aligned} & 1.3 \\ & 5.3 \end{aligned}$ | $\begin{aligned} & 0.0 \% \\ & 0.1 \% \\ & \hline \end{aligned}$ | $\begin{aligned} & 5,615.6 \\ & 4,37.5 \end{aligned}$ | $\begin{aligned} & 1.5 \\ & 6.6 \end{aligned}$ | $\begin{aligned} & \text { 0.0\% } \\ & 0.2 \% \end{aligned}$ | $\begin{gathered} 5,615 \cdot 3 \\ 4,375.2 \end{gathered}$ | $\begin{aligned} & 1.9 \\ & 7.9 \end{aligned}$ | 0.0\% | 5,614.9 $4,374.0$ | 2.2 9.1 | 0.0\% | $5,614.6$ $4,372.6$ | $\begin{gathered} 2.5 \\ 10.5 \end{gathered}$ | 0.0\% |
| ME1 | 48627 | 2013 | Below Normal | May | - | 2,265.5 | 2,261.7 | 3.8 | 0.2\% | 2,261.2 | 4.3 | 0.2\% | 2,260.1 | 5.4 | 0.2\% | 2,259.0 | 6.5 | 0.3\% | 2,257.9 | 7.6 | 0.3\% | 2,256.8 | 8.7 | 0.4\% |
| ME1 | 486227 | 2013 | Below Normal | June | - | 1,010.3 | 1,004.8 | 5.5 | 0.5\% | 1,004.0 | 6.3 | 0.6\% | 1,002.4 | 7.9 | 0.8\% | 1,000.8 | 9.4 | 0.9\% | 999.2 | 11.0 | 1.1\% | 997.7 | 12.6 | 1.2\% |
| ME1 | 48627 | 2013 | Below Normal | July | - | 68.1 | 64.9 | 3.2 | 4.7\% | 64.5 | 3.6 | 5.3\% | 63.6 | 4.5 | 6.6\% | 62.7 | 5.4 | 7.9\% | 61.9 | 6.2 | 9.1\% | 61.0 | 7.1 | 10.4\% |
| me1 | 486227 | 2013 | Below Normal | August | -- | 55.1 | 52.0 | 3.1 | 5.6\% | 51.6 | 3.5 | 6.4\% | 50.7 | 4.4 | 8.0\% | 49.8 | 5.3 | 9.6\% | 48.9 | 6.2 | 11.2\% | 48.0 | 7.1 | 12.8\% |
| ME1 | 486227 | 2013 | Below Normal | September | Used in Summary Table Analysis | 3,820.4 | 3,816.1 | 4.3 | 0.1\% | 3,815.4 | 5.0 | 0.1\% | 3,814.2 | 6.1 | 0.2\% | 3,813.0 | 7.4 | 0.2\% | 3,811.7 | 8.7 | 0.2\% | 3,810.4 | 10.0 | 0.3\% |
| ME 1 | 486227 | 2014 | Critical | October | Used in Summary Table Analysis | 89.3 | ${ }^{86.6}$ | 2.8 | 3.1\% | 86.2 | 3.2 <br> 25 | 3.6\% | 85.3 <br> 11428 | 4.0 | 4.5\% | 84.5 | 4.8 <br> 8 | ${ }^{5.4 \%}$ | ${ }^{83.7}$ | 5.6 4 4 | ${ }^{6.3 \%}$ | ${ }^{82.9}$ | ${ }_{6}^{6.5}$ | 7.2\% |
| ME1 | 486227 | 2014 | Critical | November | Used in Summary Table Analysis | 1,146.0 | 1,143.8 | 2.2 | 0.2\% | 1,143.5 | 2.5 | 0.2\% | 1,142.8 | 3.2 | 0.3\% | 1,142.2 | 3.8 | 0.3\% | 1,141.5 | 4.5 | 0.4\% | 1,140.9 | 5.1 | $0.4 \%$ <br> $0.4 \%$ <br> 0. |
| ME1 | 486227 48627 | 2014 | ${ }^{\text {Critical }}$ | December | $\cdots$ | 915.0 1812.0 | 913.2 1810.5 | 1.7 1.5 | 0.2\% | 913.0 1810.3 | 2.0 1.7 | 0.2\% | 912.5 1810.0 | 2.5 21 | 0.3\% | 911.9 18095 | 3.0 <br> 25 | $0.3 \%$ $0.1 \%$ | 911.4 1.809 .0 | 3.6 3.0 | 0.4\% $0.2 \%$ | 1910.9 <br> $1,808.6$ | 4.1 3.5 | 0.4\% $0.2 \%$ |
| ME 1 ME 1 | 486227 486227 | 2014 2014 | Critical Critical | January February | $\cdots$ | 1,812.0 $9,847.8$ | 1,810.5 $9,846.4$ | 1.5 1.4 | 0.1\% | 1,810.3 $9,846.3$ | 1.7 1.5 | 0.1\% | 1,810.0 $9,845.9$ | 2.1 1.9 | 0.1\% | $1,809.5$ $9,845.5$ | 2.5 2.3 | 0.1\% | 1,809.0 $9,845.1$ | $\begin{aligned} & 3.0 \\ & 2.7 \end{aligned}$ | 0.2\% $0.0 \%$ | $1,808.6$ $9,844.7$ | $\begin{aligned} & 3.5 \\ & 3.1 \end{aligned}$ | -0.2\% |
| me 1 | 48627 | 2014 | Critical | March | - | 14,798.6 | 14,797.5 | 1.2 | 0.0\% | 14,797.5 | 1.2 | 0.0\% | 14,797.5 | 1.2 | 0.0\% | 14,797.5 | 1.2 | 0.0\% | 14,796.3 | 2.3 | 0.0\% | 14,796.3 | 2.3 | 0.0\% |
| ME1 | 48627 | 2014 | Critical | April | - | 3,617.5 | 3,612.2 | 5.3 | 0.1\% | 3,611.3 | 6.1 | 0.2\% | 3,610.0 | 7.5 | 0.2\% | 3,608.4 | 9.0 | 0.2\% | 3,606.8 | 10.6 | 0.3\% | 3,605.2 | 12.3 | 0.3\% |
| ME1 | 48627 | 2014 | Critical | may |  | 1,846.1 | 1,841.4 | 4.6 | 0.3\% | 1,840.9 | 5.2 | 0.3\% | 1,839.5 | 6.6 | 0.4\% | 1,838.2 | 7.9 | 0.4\% | 1,836.9 | 9.1 | 0.5\% | 1,835.6 | 10.4 | 0.6\% |
| ME1 | 486227 | 2014 | Critical | June | - | 120.6 | 113.9 | 6.6 | 5.5\% | 113.0 | 7.6 | 6.3\% | 111.2 | 9.4 | 7.8\% | 109.3 | 11.3 | 9.3\% | 107.5 | ${ }^{13.1}$ | 10.9\% | 105.6 | 15.0 | 12.4\% |
| ME1 | 48627 | 2014 | Critical | July | - | 57.0 | 53.2 | 3.8 | 6.7\% | 52.7 | 4.4 | 7.7\% | 51.6 | 5.5 | 9.6\% | 50.5 | 6.6 | 11.5\% | 49.4 | 7.6 | 13.4\% | ${ }^{48.3}$ | 8.7 | 15.3\% |
| ME1 | 486227 | 2014 | Critical | August | S | 49.6 | ${ }^{45.8}$ | 3.8 | 7.7\% | ${ }^{45.3}$ | 4.4 | 8.8\% | 44.2 | 5.5 7.5 | 11.0\% | 43.1 | 6.5 | 13.2\% | ${ }^{42.0}$ | 7.6 10.5 | 15.4\% | 40.9 2.086 .0 | 8.7 12.2 | - $17.6 \%$ |
| ME1 | 486227 | 2014 | Critical | September | Used in Summary Table Analysis | 2,098.1 | 2,092.8 | 5.3 | 0.3\% | 2,092.1 | 6.0 | 0.3\% | 2,090.6 | 7.5 | 0.4\% | 2,089.1 | 9.0 | 0.4\% | 2,087.6 | 10.5 | 0.5\% | 2,086.0 | 12.2 | 0.6\% |
| ME1 | 486227 486227 | 2015 | Dry | October November | Used in Summary Table Analysis Used in Summary Table Analysis |  | $8,222.5$ 4.144 .2 | 4.3 <br> 28 <br> 28 | 0.1\% | $8,221.9$ 4.1439 | 4.9 3.1 | 0.1\% | $8,220.8$ $4,143.1$ | 5.9 3.9 | 0.1\% | $8,219.7$ 4.142 .2 | 7.1 4.7 | 0.1\% | $8,218.6$ $4,141.4$ | 8.1 5.6 | $0.1 \%$ $0.1 \%$ | $8,217.4$ $4,140.7$ | 9.4 6.3 | $0.1 \%$ $0.2 \%$ |
| ME 1 ME 1 | 486227 486227 | 2015 2015 | Dry Dry | November December | Used in Summary Table Analysis | 4,147.0 $15,217.6$ | 4,144.2. $15,215.3$ | 2.8 2.3 | 0.1\% | 4,143.9 $15,215.3$ | 3.1 2.3 | 0.1\% | $4,143.1$ $15,214.1$ | 3.9 3.5 | 0.1\% | 4,142.2 $15,214.1$ | 4.7 3.5 | 0.1\% | 4,141.4 $15,213.0$ | 5.6 4.6 | 0.1\% | $4,140.7$ $15,211.8$ | 6.3 5.8 | $0.2 \%$ $0.0 \%$ |
| ME1 | 48627 | 2015 | Dry | January | -- | 2,392, | 2,391.0 | 1.7 | 0.1\% | 2,390.7 | 2.0 | 0.1\% | 2,390.2 | 2.5 | 0.1\% | 2,389.7 | 3.0 | 0.1\% | 2,389.1 | 3.6 | 0.1\% | 2,388.5 | 4.2 | 0.2\% |
| ME1 | 486227 | 2015 | Dry | February |  | 15,027.8 | 15,026.6 | 1.2 | 0.0\% | 15,025.5 | 2.3 | 0.0\% | 15,025.5 | 2.3 | 0.0\% | 15,025.5 | 2.3 | 0.0\% | 15,024.3 | 3.5 | 0.0\% | 15,024.3 | 3.5 | 0.0\% |
| ME1 | 48627 | 2015 | Dry | March | - | 4,129.6 | 4,128.4 | 1.3 | 0.0\% | 4,128.1 | 1.5 | 0.0\% | 4,127.8 | 1.9 | 0.0\% | 4,127.4 | 2.2 | 0.1\% | 4,127.1 | 2.5 | 0.1\% | 4,126.7 | 2.9 | 0.1\% |
| ME1 | 486227 | 2015 | Dry | April | - | 4,470.7 | 4,465.2 | 5.6 | 0.1\% | 4,464.4 | ${ }_{6}^{6.4}$ | ${ }^{0.1 \%}$ | $4,462.7$ 136.8 | 8.0 | ${ }^{0.2 \%}$ | 4,461.1 | 9.6 | ${ }^{0.2 \%}$ | 4,459.6 | 11.1 | 0.2\% | $4,458.0$ 1309 | 12.7 | - ${ }_{\text {0.3\% }}$ |
| ME1 | 48627 | 2015 | Dry | May | - | 141.3 | 136.7 | 4.5 | 3.2\% | 136.1 | 5.2 | 3.7\% | 134.8 | 6.4 | 4.6\% | 133.5 | 7.7 | 5.5\% | 132.2 | 9.0 | 6.4\% | 130.9 | 10.4 | 7.3\% |
| ME1 1 | 486227 | 2015 | Dry | June | - | 175.4 | 169.6 | 5.9 | 3.4\% | 168.8 | ${ }_{4}^{6.7}$ | 3.8\% | 167.1 472 | 8.3 | 4.7\% | 165.5 | 9.9 89 | 5.7\% | 163.9 450 | 11.6 8.0 | 6.6\% | 162.3 43.9 | ${ }_{9.1}^{13.2}$ | 7.5\% $17.2 \%$ |
| ME1 | 486227 | 2015 | Dry | July | - | 53.0 | 48.9 | 4.0 | 7.6\% | 48.4 | 4.6 | 8.7\% | 47.2 | 5.7 | 10.8\% | 46.1 | 6.9 | 13.0\% | 45.0 | 8.0 | 15.1\% | 43.9 | 9.1 | 17.2\% $18.8 \%$ |
| ME 1 ME 1 | 486227 486227 | 2015 | Dry | August | - | 47.4 | 43.5 | 3.9 3 | ${ }^{8.2 \%}$ | 42.9 | 4.5 | 9.4\% 8.80 | 41.8 | ${ }_{5}^{5.6}$ | 11.7\% | 40.7 389 | 6.7 6.9 | 14.1\% | 39.6 37.4 | 7.8 8.4 | 16.4\% | 38.5 35.9 | ${ }_{9}^{8.9}$ | 18.8\% |
|  | 486227 | 2015 | Dry | September | Used in Summary Table Analysis | 45.7 | 42.2 | 3.5 | 7.7\% | 41.7 | 4.0 | 8.8\% | 40.2 | 5.6 | 12.2\% | 38.9 | 6.9 | 15.0\% | 37.4 | 8.4 | 18.3\% | 35.9 | 9.8 | 21.4\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan


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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan


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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan




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nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  | (Row, Column, Surface Water Reach) | Water Year Water Year Type |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
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| Surface Water Depletion Area Area of Interes |  |  |  | Month | Note | Without <br> Pumping <br> (cfs) | Flow (ffs) | $\begin{aligned} & \text { Fifow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cts) | $\begin{aligned} & \text { Fiow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Diffow } \\ & \text { Difference } \end{aligned}$ (ffs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Diflow } \\ \begin{array}{c} \text { Diference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cffs) } \end{gathered}$ (cfs) | Percent Difference | Flow (ffs) | $\begin{gathered} \begin{array}{c} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| ME1 | 476029 | 2000 | Above Normal | June | - | 607.1 | 601.1 | 6.0 | 1.0\% | 600.2 | ${ }^{6.8}$ | 1.1\% | 598.5 | 8.6 | 1.4\% | 596.8 | 10.2 | 1.7\% | 595.1 | 11.9 | 2.0\% | 593.4 | 13.6 | 2.2\% |
| ME1 | 47629 | 2000 | Above Normal | July | - | 69.1 | 65.9 | 3.2 | 4.7\% | 65.4 | 3.7 | 5.3\% | 64.5 | 4.6 | 6.6\% | 63.6 | 5.4 | 7.9\% | 62.8 | 6.3 | 9.1\% | 61.9 | 7.2 | 10.4\% |
| ME1 | 476029 | 2000 | Above Normal | August | -- | 56.2 | 53.1 | 3.0 | 5.4\% | 52.7 | 3.5 | 6.2\% | 51.8 | 4.3 | 7.7\% | 51.0 | 5.2 | 9.2\% | 50.2 | 6.0 | 10.7\% | 49.3 | 6.9 | 12.2\% |
| ME1 | 47629 | 2000 | Above Normal | September | Used in Summary Table Analysis | 49.9 | 47.2 | 2.7 | 5.3\% | 46.8 | 3.0 | 6.1\% | 4.11 | 3.8 | 7.6\% | 45.3 | 4.6 | 9.1\% | 44.5 | 5.3 | 10.7\% | 43.8 | 6.1 | 12.2\% |
| ME1 | 47629 | 2001 | Dry | October | Used in Summary Table Analysis | 2,782.1 | 2,779.3 | 2.8 | 0.1\% | 2,778.8 | 3.2 | 0.1\% | 2,778.0 | 4.1 | 0.1\% | 2,777.2 | 4.9 | 0.2\% | 2,776.4 | 5.7 | 0.2\% | 2,75.6 | 6.5 | 0.2\% |
| ME1 | 476029 | 2001 | Dry | November | Used in Summary Table Analysis | 3,325.3 | 3,323.1 | 2.2 | 0.1\% | 3,322.9 | 2.4 | 0.1\% | 3,322.2 | 3.1 | 0.1\% | 3,321.6 | 3.7 | 0.1\% | 3,321.1 | 4.3 | 0.1\% | 3,320.4 | 5.0 | 0.1\% |
| ME1 | 47629 | 2001 | Dry | December |  | 4,940.5 | 4,938.8 | 1.7 | 0.0\% | 4,938.5 | 2.0 | 0.0\% | 4,938.1 | 2.4 | 0.0\% | 4,937.5 | 3.0 | 0.1\% | 4,937.0 | 3.5 | 0.1\% | 4,936.5 | 4.1 | 0.1\% |
| ME1 | 47629 | 2001 | Dry | January | - | 6,539.9 | 6,538.4 | 1.5 | 0.0\% | 6,538.2 | 1.7 | 0.0\% | 6,537.8 | 2.1 | 0.0\% | 6,537.4 | 2.5 | 0.0\% | 6,536.9 | 3.0 | 0.0\% | 6,536.5 | 3.5 | 0.1\% |
| ME1 | 47629 | 2001 | Dry | February | - | 8,630.7 | 8,629.4 | 1.3 | 0.0\% | 8,629.2 | 1.5 | 0.0\% | 8,628.8 | 1.9 | 0.0\% | 8,628.5 | 2.2 | 0.0\% | 8,628.1 | 2.5 | 0.0\% | 8,627.8 | 2.9 | 0.0\% |
| ME1 | 476029 | 2001 | Dry | March | - | 5,168.5 | 5,167.5 | 1.0 | 0.0\% | 5,167.4 | 1.2 | 0.0\% | 5,167.0 | 1.5 | 0.0\% | 5,166.8 | 1.7 | 0.0\% | 5,166.4 | 2.1 | 0.0\% | 5,166.1 | 2.4 | 0.0\% |
| ME1 | 476029 | 2001 | Dry | April | - | 5,111.9 | 5,106.5 | 5.4 | 0.1\% | 5,105.7 | 6.3 | 0.1\% | 5,104.2 | 7.8 | 0.2\% | 5,102.5 | 9.4 | 0.2\% | 5,101.0 | 10.9 | 0.2\% | 5,099.4 | 12.5 | 0.2\% |
| ME1 | 47629 | 2001 | Dry | May | - | 605.3 | 600.8 | 4.5 | 0.7\% | 600.1 | 5.2 | 0.9\% | 598.8 | 6.4 | 1.1\% | 597.5 | 7.8 | 1.3\% | 596.3 | 9.0 | 1.5\% | 595.0 | 10.3 | 1.7\% |
| ME1 | 47629 | 2001 | Dry | June | - | 1,345.7 | 1,338.9 | 6.8 | 0.5\% | 1,338.0 | 7.8 | 0.6\% | 1,336.1 | 9.6 | 0.7\% | 1,334.1 | 11.6 | 0.9\% | 1,332.3 | 13.4 | 1.0\% | 1,330.4 | 15.3 | 1.1\% |
| ME1 | 47629 | 2001 | Dry | July | - | 66.6 | 62.9 | 3.7 | 5.5\% | 62.4 | 4.2 | 6.3\% | 61.4 | 5.2 | 7.8\% | 60.4 | 6.2 | 9.4\% | 59.4 | 7.2 | 10.9\% | 58.3 | 8.3 | 12.5\% |
| ME1 | 476029 | 2001 | Dry | August | -- | 53.8 | 49.9 | 3.9 | 7.2\% | 49.4 | 4.4 | 8.2\% | 48.3 | 5.5 | 10.3\% | 47.2 | 6.6 | 12.3\% | 46.1 | 7.7 | 14.3\% | 45.0 | 8.8 | 16.4\% |
| ME1 | 476029 | 2001 | Dry | September | Used in Summary Table Analysis | 48.4 | 44.9 | 3.5 | 7.2\% | 44.4 | 4.0 | 8.3\% | 43.4 | 5.0 | 10.3\% | 42.4 | 6.0 | 12.4\% | 41.4 | 7.0 | 14.5\% | 40.4 | 8.0 | 16.6\% |
| ME1 | 47629 | 2002 | Below Normal | October | Used in Summary Table Analysis | 137.2 | 133.4 | 3.8 | 2.7\% | 132.9 | 4.3 | 3.1\% | 131.8 | 5.4 | 3.9\% | 130.7 | 6.5 | 4.7\% | 129.6 | 7.6 | 5.5\% | 128.5 | 8.7 | 6.3\% |
| ME1 | 47629 | 2002 | Below Normal | November | Used in Summary Table Analysis | 7,296.2 | 7,293.2 | 3.0 | 0.0\% | 7,292.8 | 3.4 | 0.0\% | 7,292.0 | 4.2 | 0.1\% | 7,291.1 | 5.1 | 0.1\% | 7,290.3 | 5.9 | 0.1\% | 7,289.5 | 6.7 | 0.1\% |
| ME1 | 47629 | 2002 | Below Normal | December |  | 13,917.8 | 13,914.4 | 3.5 | 0.0\% | 13,914.4 | 3.5 | 0.0\% | 13,913.2 | 4.6 | 0.0\% | 13,913.2 | 4.6 | 0.0\% | 13,912.0 | 5.8 | 0.0\% | 13,910.9 | 6.9 | 0.0\% |
| ME1 | 47629 | 2002 | Below Normal | January | -- | 9,696.2 | 9,694.1 | 2.1 | 0.0\% | 9,693.8 | 2.4 | 0.0\% | 9,693.2 | 3.0 | 0.0\% | 9,692.6 | 3.6 | 0.0\% | 9,691.9 | 4.3 | 0.0\% | 9,691.3 | 4.9 | 0.1\% |
| me 1 | 476029 | 2002 | Below Normal | February | -- | 8,413.7 | 8,411.9 | 1.7 | 0.0\% | 8,411.7 | 2.0 | 0.0\% | 8,411.1 | 2.5 | 0.0\% | 8,410.6 | 3.0 | 0.0\% | 8,410.1 | 3.6 | 0.0\% | 8,409.6 | 4.1 | 0.0\% |
| ME1 | 47629 | 2002 | Below Normal | March | - | 7,278.2 | 7,276.9 | 1.4 | 0.0\% | 7,276.6 | 1.6 | 0.0\% | 7,276.3 | 2.0 | 0.0\% | 7,275.8 | 2.4 | 0.0\% | 7,275.3 | 2.9 | 0.0\% | 7,275.0 | 3.2 | 0.0\% |
| ME1 | 47629 | 2002 | Below Normal | April | - | 4,296.8 | 4,291.8 | 5.0 | 0.1\% | 4,291.1 | 5.7 | 0.1\% | 4,289.7 | 7.1 | 0.2\% | 4,288.3 | 8.4 | 0.2\% | 4,286.9 | 9.8 | 0.2\% | 4,285.5 | 11.2 | 0.3\% |
| ME1 | 47629 | 2002 | Below Normal | May | - | 1,145.1 | 1,141.0 | 4.1 | 0.4\% | 1,140.4 | 4.7 | 0.4\% | 1,139.2 | 5.9 | 0.5\% | 1,138.1 | 7.0 | 0.6\% | 1,136.9 | 8.2 | 0.7\% | 1,135.7 | 9.4 | 0.8\% |
| ME1 | 47629 | 2002 | Below Normal | June | - | 193.7 | 188.9 | 4.8 | 2.5\% | 188.3 | 5.5 | 2.8\% | 186.9 | 6.8 | 3.5\% | 185.6 | 8.1 | 4.2\% | 184.2 | 9.5 | 4.9\% | 182.9 | 10.8 | 5.6\% |
| me 1 | 47629 | 2002 | Below Normal | July | - | 57.1 | 53.7 | 3.5 | 6.1\% | 53.2 | 3.9 | 6.9\% | 52.2 | 4.9 | 8.6\% | 51.2 | 5.9 | 10.3\% | 50.3 | 6.9 | 12.0\% | 49.3 | 7.8 | 13.7\% |
| ME1 | 47629 | 2002 | Below Normal | August | -- | 51.3 | 48.0 | 3.3 | 6.5\% | 47.5 | 3.8 | 7.4\% | 46.5 | 4.8 | 9.3\% | 45.6 | 5.7 | 11.2\% | 44.6 | 6.7 | 13.0\% | 43.7 | 7.6 | 14.9\% |
| ME1 | 47629 | 2002 | Below Normal | September | Used in Summary Table Analysis | 47.4 | 44.4 | 3.0 | 6.3\% | 44.0 | 3.4 | 7.2\% | 43.1 | 4.3 | 9.0\% | 42.3 | 5.1 | 10.8\% | 41.4 | 6.0 | 12.7\% | 40.5 | 6.9 | 14.5\% |
| ME1 | 47629 | 2003 | Wet | October | Used in Summary Table Analysis | 35.8 | 32.8 | 3.1 | 8.6\% | 32.3 | 3.5 | 9.8\% | 31.4 | 4.4 | 12.3\% | 30.5 | 5.3 | 14.9\% | 29.6 | 6.2 | 17.4\% | 28.7 | 7.1 | 19.9\% |
| ME1 | 47629 | 2003 | Wet | November | Used in Summary Table Analysis | 621.8 | 619.4 | 2.4 | 0.4\% | 619.0 | 2.8 | 0.4\% | 618.3 | 3.5 | 0.6\% | 617.6 | 4.2 | 0.7\% | 617.0 | 4.8 | 0.8\% | 616.3 | 5.5 | 0.9\% |
| ME1 | 476029 | 2003 | Wet | December | - | 29,855.8 | 29,857.6 | 1.2 | 0.0\% | 29,857.6 | 1.2 | 0.0\% | 29,856.5 | 2.3 | 0.0\% | 29,855.3 | 3.5 | 0.0\% | 29,855.3 | 3.5 | 0.0\% | 29,854.2 | 4.6 | 0.0\% |
| ME1 | 476029 | 2003 | Wet | January | - | 7,628.6 | 7,626.9 | 1.7 | 0.0\% | 7,626.6 | 2.0 | 0.0\% | 7,626.0 | 2.5 | 0.0\% | 7,625.6 | 3.0 | 0.0\% | 7,625.0 | 3.6 | 0.0\% | 7,624.5 | 4.1 | 0.1\% |
| ME1 | 476029 476029 | 2003 2003 | Wet | February | -- | $5,550.8$ 111029 | $5,599.4$ 111016 | 1.4 | 0.0\% | 5,549.2 111015 | 1.6 1.4 | 0.0\% $0.0 \%$ 0 | $5,548.8$ 11101.2 | 2.0 | 0.0\% | 5,548.4 111007 | 2.4 | 0.0\% | 5.547 .9 111003 | $\begin{array}{r}2.9 \\ \hline 25\end{array}$ | 0.1\% | 5,547.6 11100.0 | 3.2 29 | $0.1 \%$ $0.0 \%$ |
| ME1 | 476029 476029 | 2003 2003 | Wet Wet | $\underset{\substack{\text { March } \\ \text { April }}}{\text { a }}$ | $\cdots$ | $11,102.9$ $21,888.4$ | ${ }^{111,101.6} \mathbf{2 1 , 8 4 7 . 2}$ | $\begin{aligned} & 1.3 \\ & 1.2 \end{aligned}$ | 0.0\% | $11,101.5$ $21,847.2$ | $\begin{aligned} & 1.4 \\ & 1.2 \end{aligned}$ | 0.0\% 0.0\% | $\begin{aligned} & 11,101.2 \\ & 21,846.1 \end{aligned}$ | $\begin{aligned} & 1.7 \\ & 2.3 \end{aligned}$ | $\begin{aligned} & 0.0 \% \\ & 0.0 \% \end{aligned}$ | 11,100.7 <br> 21,846.1 | $\begin{aligned} & 2.2 \\ & 2.3 \end{aligned}$ | 0.0\% 0.0\% | $11,100.3$ $21,846.1$ | $\begin{aligned} & 2.5 \\ & 2.3 \end{aligned}$ | 0.0\% | $11,100.0$ $21,844.9$ | 2.9 3.5 | 0.0\% |
| ME1 | 47629 | 2003 | Wet | May | - | 2,091.3 | 2,086.3 | 5.0 | 0.2\% | 2,085.6 | 5.7 | 0.3\% | 2,084,5 | 6.8 | 0.3\% | 2,083.1 | 8.2 | 0.4\% | 2,081.7 | 9.6 | 0.5\% | 2,880.3 | 11.0 | 0.5\% |
| ME1 | 47629 | 2003 | Wet | June | - | 78.6 | 75.5 | 3.1 | 3.9\% | 75.1 | 3.5 | 4.4\% | 74.3 | 4.3 | 5.4\% | 73.6 | 5.0 | 6.4\% | 72.8 | 5.8 | 7.3\% | 72.1 | 6.5 | 8.3\% |
| ME1 | 47629 | 2003 | Wet | July | - | 63.4 | 60.0 | 3.4 | 5.3\% | 59.6 | 3.8 | 6.1\% | 58.6 | 4.8 | 7.5\% | 57.7 | 5.7 | 9.0\% | 56.7 | 6.7 | 10.5\% | 55.8 | 7.6 | 12.1\% |
| ME1 | 47629 | 2003 | Wet | August | -- | 65.1 | 61.4 | 3.7 | 5.7\% | 60.8 | 4.3 | 6.6\% | 59.7 | 5.4 | 8.2\% | 58.7 | 6.5 | 9.9\% | 57.6 | 7.6 | 11.6\% | 56.3 | 8.8 | 13.5\% |
| ME1 | 47629 | 2003 | Wet | September | Used in Summary Table Analysis | 49.9 | 47.2 | 2.7 | 5.4\% | 46.9 | 3.1 | 6.1\% | 46.1 | 3.8 | 7.6\% | 45.4 | 4.6 | 9.2\% | 44.6 | 5.3 | 10.7\% | 43.8 | 6.1 | 12.2\% |
| ME1 | 476029 476029 | 2004 | Wet | October | Used in Summary Table Anlysis | 37.3 4.34 .3 | ${ }_{4}^{34.6}$ | 2.7 | ${ }^{7.2 \%}$ | ${ }^{34.2}$ | 3.1 24 | ${ }^{8.2 \%}$ | 33.4 | 3.8 | 10.3\% | 32.6 4.306 | 4.6 3 | 12.4\% | 31.9 | 5.4 4.4 | 14.5\% | 31.1 41293 | ${ }^{6.2}$ | 16.6\% |
| ME1 | 47629 | 2004 | Wet | November | Used in Summary Table Analysis | 4,134.3 | 4,132.1 | 2.2 | 0.1\% | 4,131.8 | 2.4 | 0.1\% | 4,131.1 | 3.1 | 0.1\% | 4,130.6 | 3.7 | 0.1\% | 4,129.9 | 4.4 | 0.1\% | 4,129.3 | 5.0 | 0.1\% |
| ME1 | 476029 476029 | 2004 2004 | Wet | December | -- | $18,099.5$ 10245.6 | $18,097.2$ 10244. | 2.3 <br> 1.5 | 0.0\% $0.0 \%$ 0.0 | $18,097.2$ 102439 | 2.3 1.7 | 0.0\% $0.0 \%$ 0 | $18,096.1$ 10,243.4 1/, | 3.5 <br> 2 | 0.0\% | $18,096.1$ 10,2429 | 3.5 <br> 27 | 0.0\% $0.0 \%$ 0 | $18,094.9$ 102425 | 4.6 3.1 | 0.0\% $0.0 \%$ 0 | $18,094.9$ 10,2420 | 4.6 36 | 0.0\% $0.0 \%$ 0 |
| ME1 | 476029 476029 | 2004 2004 | Wet Wet | ${ }_{\text {January }}^{\text {February }}$ | -- | $10,245.6$ $17,510.4$ | $10,244.1$ $17,599.3$ | 1.5 1.2 | 0.0\% | $10,243.9$ $17,58.1$ | 1.7 2.3 | 0.0\% | $10,243.4$ $17,508.1$ | 2.2 2.3 | 0.0\% | $10,242.9$ $17,508.1$ | 2.7 2.3 | 0.0\% | $10,242.5$ 17,5069 | 3.1 3.5 | 0.0\% | $10,242.0$ $17,506.9$ | 3.6 3.5 | 0.0\% |
| me 1 | 47629 | 2004 | Wet | March | -- | 4,166.0 | 4,164.9 | 1.0 | 0.0\% | 4,164.8 | 1.2 | 0.0\% | 4,164.6 | 1.4 | 0.0\% | 4,164.2 | 1.7 | 0.0\% | 4,163.9 | 2.1 | 0.1\% | 4,163.5 | 2.4 | 0.1\% |
| ME1 | 47629 | 2004 | Wet | April | - | 3,550.9 | 3,550.1 | 0.8 | 0.0\% | 3,549.9 | 1.0 | 0.0\% | 3,549.7 | 1.3 | 0.0\% | 3,549.4 | 1.5 | 0.0\% | 3,549.2 | 1.7 | 0.0\% | 3,549.0 | 2.0 | 0.1\% |
| ME1 | 47629 | 2004 | Wet | may | - | 1,062.3 | 1,057.5 | 4.8 | 0.4\% | 1,056.8 | 5.5 | 0.5\% | 1,055.5 | 6.8 | 0.6\% | 1,054.1 | 8.2 | 0.8\% | 1,052.7 | 9.5 | 0.9\% | 1,051.4 | 10.9 | 1.0\% |
| ME1 | 47629 | 2004 | Wet | June | - | 68.8 | ${ }^{66.2}$ | 2.6 | 3.8\% | ${ }^{65.8}$ | 2.9 | 4.3\% | 65.1 51.8 | 3.7 | 5.3\% | 54.4 | 4.4 | ${ }^{6.4 \%}$ | ${ }^{63.7}$ | 5.1 6.5 | $7.4 \%$ $115 \%$ | 62.9 | 5.8 78 | 8.5\% 1310 |
| ME1 | 47629 | 2004 | Wet | July | - | 56.5 | 53.2 | 3.3 | 5.8\% | 52.8 | 3.7 | 6.6\% | 51.8 | 4.7 | 8.2\% | 50.9 | 5.6 | 9.9\% | 50.0 | ${ }^{6.5}$ | 11.5\% | 49.1 | 7.4 | 13.1\% |
| ME1 | 47629 | 2004 | Wet | August |  | 50.1 | 47.0 | 3.1 | 6.1\% | 46.6 | 3.5 44 | 7.0\% | 45.7 38.5 | 4.4 5 | 8.8\% | 44.8 | 5.3 | 10.5\% | 44.0 36.3 | 6.1 78 | 12.2\% | 43.1 35.2 | 7.0 8.9 | $14.0 \%$ $20.2 \%$ |
| ME1 | 47629 | 2004 | Wet | September | Used in Summary Table Analysis | 44.1 | 40.2 | 3.9 | 8.8\% | 39.7 | 4.4 | 10.0\% | 38.5 | 5.5 | 12.6\% | 37.4 | 6.7 | 15.1\% | 36.3 | 7.8 | 17.7\% | 35.2 | 8.9 | 20.2\% |
| ME1 | 476029 | 2005 | Above Normal | October | Used in Summary Table Analysis | 5,820.1 | 5,817.2 | 2.9 | 0.0\% | 5,816.9 | 3.2 | 0.1\% | 5,816.0 | 4.2 | 0.1\% | 5,815.2 | ${ }^{5} 50$ | 0.1\% | 5,814.4 | 5.8 | 0.1\% | ${ }_{5}^{5,813.4}$ | ${ }_{5}^{6.7}$ | 0.1\% |
| ME1 | 476029 476029 | 2005 | Above Normal Above Normal | November | Used in Summary Table Analysis | 964.0 $11,873.8$ | 961.8 $11,871.5$ | 2.2 2.3 | 0.2\% | 961.5 $11,87.5$ | 2.5 2.3 | 0.3\% $0.0 \%$ | 11,871.5 | 3.1 2.3 | 0.3\% | 960.2 $11,870.4$ | 3.8 3.5 | - $0.4 \%$ | 959.6 $11,869.2$ | 4.4 4.6 | 0.5\% | -959.0 | 5.0 4.6 | 0.5\% |
| ME1 | 47629 | 2005 | Above Normal | January | - | 8,400.0 | 8,398.5 | 1.5 | 0.0\% | 8,398.3 | 1.7 | 0.0\% | 8,397.8 | 2.2 | 0.0\% | 8,397.3 | 2.7 | 0.0\% | 8,396.9 | 3.1 | 0.0\% | 8,396.4 | 3.6 | 0.0\% |
| ME1 | 47629 | 2005 | Above Normal | February |  | 4,646.4 | 4,645.3 | 1.2 | 0.0\% | 4,645.0 | 1.4 | 0.0\% | 4,644.7 | 1.7 | 0.0\% | 4,644.2 | 2.2 | 0.0\% | 4,644.0 | 2.4 | 0.1\% | 4,643.6 | 2.8 | 0.1\% |
| ME1 | 47629 | 2005 | Above Normal | March | - | 14,266.2 | 14,265.0 | 1.2 | 0.0\% | 14,265.0 | 1.2 | 0.0\% | 14,265.0 | 1.2 | 0.0\% | 14,263.9 | 2.3 | 0.0\% | 14,263.9 | 2.3 | 0.0\% | 14,263.9 | 2.3 | 0.0\% |
| ME1 | 47629 | 2005 | Above Normal | April | - | 9,223.8 | 9,222.9 | 0.9 | 0.0\% | $9,222.7$ | 1.2 | 0.0\% | ${ }^{9,2222.5}$ | 1.4 | 0.0\% | 9,222.1 | 1.7 | ${ }^{0.0 \%}$ | 9,221.9 | 2.0 <br> 102 <br> 12.2 | 0.0\% | $9,221.5$ 85126 | ${ }^{2.3}$ | 0.0\% |
| ME1 | 47629 | 2005 | Above Normal | May | - | 8,524.3 | 8,519.2 | 5.1 | 0.1\% | 8,518.4 | 5.9 | 0.1\% | 8,517.0 | 7.3 | 0.1\% | 8,515.5 | 8.8 | 0.1\% | 8,514.1 | 10.2 | 0.1\% | 8,512.6 | 11.7 | 0.1\% |
| ME1 1 | 47629 | 2005 | Above Normal | June | - | 6,381.4 | 6,375.0 | 6.4 | 0.1\% | 6,374.1 | 7.3 | 0.1\% | ${ }^{6,372.3}$ | 9.0 587 | 0.1\% | $6,370.5$ <br> 838 <br> 6.3 | 10.9 | 0.2\% | ${ }^{6,368.8}$ | 12.6 7.9 | $0.2 \%$ <br> $8.7 \%$ <br> 8 | 6,367.0 81.6 58.6 | 14.4 9.0 | ${ }_{0}^{0.2 \%}$ |
| ME1 | 47629 | 2005 | Above Normal | July | - | 90.6 | 86.6 | 4.0 | 4.4\% | 86.0 | 4.6 | 5.0\% | 84.9 | 5.7 | 6.3\% | 83.8 | 6.8 | 7.5\% | 82.7 | 7.9 | 8.7\% | 81.6 | 9.0 | 9.9\% $10.5 \%$ |
| ME1 | 47629 | 2005 | Above Normal | August | -- | 65.5 | 62.5 | 3.0 | 4.6\% | 62.1 | 3.5 | 5.3\% | 61.2 | 4.3 | 6.6\% | 60.3 | 5.2 | 7.9\% | 59.5 | 6.1 | 9.2\% | 58.6 | 6.9 | 10.5\% |
| ME 1 | 47629 | 2005 | Above Normal | September | Used in Summary Table Analysis | 55.9 | 53.3 | 2.7 | 4.7\% | 52.9 | 3.0 | 5.4\% | 52.1 | 3.8 | 6.8\% | 51.4 | 4.6 | 8.1\% | 50.6 | 5.3 | 9.5\% | 49.9 | 6.1 | 10.8\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
EER River Valley Groundwater sustainability Plan
Humboldt County Grondwate Sum

|  | Model Cell (Row, Column Surface Water Reach) | Water Year Water Year Type |  | Month | Note | FlowWithout Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Incre |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Flow (ffs) |  |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiffow } \\ \substack{\text { Diference } \\ \text { (ffs) }} \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Filow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME1 | 476029 | 2006 | Wet |  | October | Used in Summary Table Analysis | 250.2 | 247.5 | 2.7 | 1.1\% | 247.1 | 3.1 | 1.2\% | 2463 | 3.9 | 1.6\% | 245.5 | 4.7 | 1.9\% | 244.7 | 5.5 | 2.2\% | 243.9 | 6.3 | 2.5\% |
| ME1 | 47629 | 2006 | Wet | November | Used in Summary Table Analysis | 6,525.8 | 6,523.8 | 2.0 | 0.0\% | 6,523.5 | 2.3 | 0.0\% | 6,522.9 | 2.9 | 0.0\% | 6,522.3 | 3.5 | 0.1\% | 6,511.8 | 4.1 | 0.1\% | 6,521.2 | 4.6 | 0.1\% |
| ME1 | 47629 | 2006 | Wet | December - |  | 20,053.2 | 20,050.9 | 2.3 | 0.0\% | 20,050.9 | 2.3 | 0.0\% | 20,050.9 | 2.3 | 0.0\% | 20,049.8 | 3.5 | 0.0\% | 20,049.8 | 3.5 | 0.0\% | 20,048.6 | 4.6 | 0.0\% |
| ME1 | 47629 | 2006 | Wet | January | - | 16,928.2 | 16,925.9 | 2.3 | 0.0\% | 16,925.9 | 2.3 | 0.0\% | 16,925.9 | 2.3 | 0.0\% | 16,925.9 | 2.3 | 0.0\% | 16,924.8 | 3.5 | 0.0\% | 16,924.8 | 3.5 | 0.0\% |
| ME1 | 47629 | 2006 | Wet | February |  | 9,336.6 | 9,335.3 | 1.3 | 0.0\% | 9,335.2 | 1.4 | 0.0\% | 9,334.8 | 1.7 | 0.0\% | 9,334.5 | 2.1 | 0.0\% | 9,334.1 | 2.4 | 0.0\% | 9,333.8 | 2.8 | 0.0\% |
| ME1 | 47629 | 2006 | Wet | March | - | 23,255.8 | 23,254.6 | 1.2 | 0.0\% | 23,54.6 | 1.2 | 0.0\% | 23,254.6 | 1.2 | 0.0\% | 23,254.6 | 1.2 | 0.0\% | 23,253.5 | 2.3 | 0.0\% | 23,253.5 | 2.3 | 0.0\% |
| ME1 | 476029 | 2006 | Wet | April | - | 11,500.5 | 11,499.5 | 0.9 | 0.0\% | 11,499.4 | 1.0 | 0.0\% | 11,499.2 | 1.3 | 0.0\% | 11,498.8 | 1.6 | 0.0\% | 11,498.6 | 1.9 | 0.0\% | 11,498.4 | 2.1 | 0.0\% |
| me1 | 476029 | 2006 | Wet | May | - | 4,648.7 | 4,647.1 | 1.6 | 0.0\% | 4,646.9 | 1.9 | 0.0\% | 4,646.4 | 2.3 | 0.0\% | 4,645.8 | 2.9 | 0.1\% | 4,645.4 | 3.4 | 0.1\% | 4,644.9 | 3.8 | 0.1\% |
| ME1 | 47629 | 2006 | wet | June | - | 562.7 | 557.4 | 5.4 | 1.0\% | 556.6 | 6.1 | 1.1\% | 555.2 | 7.6 | 1.3\% | 553.7 | 9.0 | 1.5\% | 552.3 | 10.5 | 1.9\% | 550.8 | 11.9 | 2.1\% |
| ME1 | 47629 | 2006 | Wet | July | - | 75.4 | 72.1 | 3.2 | 4.3\% | 71.7 | 3.7 | 4.9\% | 70.8 | 4.6 | 6.1\% | 69.9 | 5.5 | 7.3\% | 69.0 | 6.3 | 8.4\% | 68.2 | 7.2 | 9.6\% |
| me 1 | 476029 | 2006 | wet | August | -- | 61.6 | 58.5 | 3.1 | 5.0\% | 58.0 | 3.5 | 5.7\% | 57.2 | 4.4 | 7.1\% | 56.3 | 5.2 | 8.5\% | 55.5 | 6.1 | 9.9\% | 54.6 | 7.0 | 11.3\% |
| ME1 | 47629 | 2006 | Wet | September | Used in Summary Table Analysis | 54.2 | 51.6 | 2.7 | 4.9\% | 51.2 | 3.0 | 5.6\% | 50.5 | 3.8 | 6.9\% | 49.7 | 4.5 | 8.3\% | 49.0 | 5.2 | 9.7\% | 48.2 | 6.0 | 11.0\% |
| me1 | 476029 | 2007 | Above Normal | October | Used in Summary Table Analysis | 44.9 | 42.2 | 2.7 | 5.9\% | 41.9 | 3.0 | 6.7\% | 41.1 | 3.8 | 8.4\% | 40.3 | 4.6 | 10.2\% | 39.6 | 5.3 | 11.9\% | 38.8 | 6.1 | 13.7\% |
| me 1 | 47629 | 2007 | Above Normal | November | Used in Summary Table Analysis | 5,908.3 | 5,906.1 | 2.2 | 0.0\% | 5,905.9 | 2.4 | 0.0\% | 5,905.2 | 3.1 | 0.1\% | 5,904.5 | 3.8 | 0.1\% | 5,903.9 | 4.4 | 0.1\% | 5,903.2 | 5.1 | 0.1\% |
| ME1 | 47629 | 2007 | Above Normal | December - |  | 10,912.5 | 10,910.6 | 1.9 | 0.0\% | 10,910.3 | 2.2 | 0.0\% | 10,909.7 | 2.8 | 0.0\% | 10,909.1 | 3.4 | 0.0\% | 10,908.4 | 4.1 | 0.0\% | 10,907.9 | 4.6 | 0.0\% |
| ME1 | 476029 | 2007 | Above Normal | January | -- | 2,475.0 | 2,473.5 | 1.5 | 0.1\% | 2,473.3 | 1.7 | 0.1\% | 2,472.9 | 2.1 | 0.1\% | 2,472.5 | 2.5 | 0.1\% | 2,472.0 | 3.0 | 0.1\% | 2,471.5 | 3.5 | 0.1\% |
| ME1 | 47629 | 2007 | Above Normal | February | - | 17,673.6 | 17,672.5 | 1.2 | 0.0\% | 17,672.5 | 1.2 | 0.0\% | 17,672.5 | 1.2 | 0.0\% | 17,671.3 | 2.3 | 0.0\% | ${ }_{\text {17,671.3 }}$ | 2.3 | 0.0\% | ${ }^{17,670.1}$ | 3.5 | 0.0\% |
| ME1 | 47629 | 2007 | Above Normal | March | - | 5,064.0 | 5,062.8 | 1.2 | 0.0\% | 5,062.7 | 1.3 | 0.0\% | 5,062.4 | 1.6 | 0.0\% | 5,062.0 | 2.0 | 0.0\% | 5,061.7 | 2.3 | 0.0\% | 5,061.5 | 2.5 | 0.1\% |
| ME1 | 47629 | 2007 | Above Normal | April | - | 6,507.9 | 6,503.1 | 4.7 | 0.1\% | 6,502.4 | 5.4 | 0.1\% | 6,501.0 | 6.8 | 0.1\% | 6,499.8 | 8.1 | 0.1\% | 6,998.4 | 9.5 | 0.1\% | 6,497.0 | 10.9 | 0.2\% |
| ME1 | 47629 | 2007 | Above Normal | May | - | 1,273.0 | 1,269.2 | 3.8 | 0.3\% | 1,268.8 | 4.3 | 0.3\% | 1,267.6 | 5.4 | 0.4\% | 1,266.6 | 6.5 | 0.5\% | 1,265.4 | 7.6 | 0.6\% | 1,264.2 | 8.8 | 0.7\% |
| me 1 | 476029 | 2007 | Above Normal | June | - | 459.6 | 453.9 | 5.6 | 1.2\% | 453.1 | 6.5 | 1.4\% | 451.5 | 8.1 | 1.8\% | 449.9 | 9.7 | 2.1\% | 448.3 | 11.2 | 2.4\% | 446.8 | 12.8 | 2.8\% |
| ME1 | 47629 | 2007 | Above Normal | July | - | 107.7 | 103.6 | 4.1 | 3.8\% | 103.0 | 4.7 | 4.4\% | 101.9 | 5.9 | 5.4\% | 100.7 | 7.0 | 6.5\% | 99.6 | 8.2 | 7.6\% | 98.4 | 9.3 | 8.6\% |
| ME1 | 476029 | 2007 | Above Normal | August | -- | 54.2 | 51.0 | 3.2 | 5.9\% | 50.6 | 3.6 | 6.7\% | 49.7 | 4.5 | 8.4\% | 48.8 | 5.4 | 10.0\% | 47.9 | 6.3 | 11.7\% | 47.0 | 7.2 | 13.3\% |
| ME1 | 47629 | 2007 | Above Normal | September | Used in Summary Table Analysis | 49.5 | 46.6 | 2.9 | 5.8\% | 46.2 | 3.3 | 6.6\% | 45.3 | 4.1 | 8.3\% | 44.5 | 4.9 | 10.0\% | 43.7 | 5.8 | 11.6\% | 42.9 | 6.6 | 13.3\% |
| ME1 | 47629 | 2008 | Dry | October | Used in Summary Table Analysis | 2,928.9 | 2,925.9 | 3.0 | 0.1\% | 2,925.5 | 3.5 | 0.1\% | 2,924.7 | 4.3 | 0.1\% | 2,923.7 | 5.2 | 0.2\% | 2,922.9 | 6.0 | 0.2\% | 2,922.0 | 6.9 | 0.2\% |
| me 1 | 476029 | 2008 | Dry | November | Used in Summary Table Analysis | 2,163.1 | 2,160.8 | 2.3 | 0.1\% | 2,160.4 | 2.7 | 0.1\% | 2,159.8 | 3.2 | 0.1\% | 2,159.1 | 3.9 | 0.2\% | 2,158.4 | 4.6 | 0.2\% | 2,157.9 | 5.2 | 0.2\% |
| ME1 | 47629 | 2008 | Dry | December - |  | 14,252.3 | 14,250.0 | 2.3 | 0.0\% | 14,250.0 | 2.3 | 0.0\% | 14,250.0 | 2.3 | 0.0\% | 14,248.8 | 3.5 | 0.0\% | 14,247.7 | 4.6 | 0.0\% | 14,247.7 | 4.6 | 0.0\% |
| ME1 | 47629 | 2008 | Dry | January |  | 15,944.4 | 15,942.1 | 2.3 | 0.0\% | 15,942.1 | 2.3 | 0.0\% | 15,941.0 | 3.5 | 0.0\% | 15,941.0 | 3.5 | 0.0\% | 15,941.0 | 3.5 | 0.0\% | 15,939.8 | 4.6 | 0.0\% |
| ME1 | 47629 | 2008 | Dry | February - | -- | 6,515.0 | 6,513.7 | 1.4 | 0.0\% | 6,513.5 | 1.5 | 0.0\% | 6,513.1 | 2.0 | 0.0\% | 6,512.7 | 2.3 | 0.0\% | 6,512.4 | 2.7 | 0.0\% | 6,511.9 | 3.1 | 0.0\% |
| ME1 | 47629 | 2008 | Dry | March | - | 3,178.0 | 3,176.9 | 1.2 | 0.0\% | 3,176.7 | 1.3 | 0.0\% | 3,176.4 | 1.6 | 0.1\% | 3,176.0 | 2.0 | 0.1\% | 3,175.8 | 2.2 | 0.1\% | 3,175.5 | 2.5 | 0.1\% |
| me 1 | 47629 | 2008 | Dry | April | - | 4,335.1 | 4,329.5 | 5.6 | 0.1\% | 4,328.7 | 6.4 | 0.1\% | 4,327.2 | 7.9 | 0.2\% | 4,325.6 | 9.5 | 0.2\% | 4,324.1 | 11.0 | 0.3\% | 4,322.5 | 12.6 | 0.3\% |
| ME 1 | 47629 | 2008 | Dry | May | - | 74.7 | 71.9 | 2.8 | 3.7\% | 71.5 | 3.2 | 4.3\% | 70.7 | 4.0 | 5.3\% | 70.0 | 4.7 | 6.3\% | 69.4 | 5.3 | 7.0\% | 68.8 | 5.8 | 7.8\% |
| ME1 | 47629 | 2008 | Dry | June |  | 76.1 | 70.3 | 5.8 | 7.6\% | 69.4 | 6.6 | 8.7\% | 67.8 | 8.2 | 10.8\% | 66.2 | 9.9 | 13.0\% | 64.6 | 11.5 | 15.1\% | 62.9 | 13.1 | 17.3\% |
| ME1 | 476029 476029 | 2008 | Dry | July | - | 48.6 45.4 | 44.5 | 4.1 4 | 8.5\% | 43.9 | 4.7 46 | 9.7\% | 42.8 | 5.9 | 12.0\% | 41.6 385 | 7.0 60 | 14.4\% | 40.4 37.3 | 8.2 | 16.8\% | 39.3 <br> 39.2 <br> 1 | 9.3 | 19.2\% |
| ME 1 | 47629 | 2008 | Dry | August | -- | 45.4 | ${ }^{41.3}$ | 4.0 | 8.8\% | 40.8 | 4.6 | 10.1\% | 39.6 | 5.7 | 12.6\% | 38.5 | 6.9 | 15.2\% | 37.3 | 8.0 | 17.7\% | 36.2 | 9.2 | 20.2\% |
| me 1 | 47629 | 2008 | Dry | September | Used in Summary Table Analysis | 34.2 | 29.2 | 5.0 | 14.7\% | 28.5 | 5.7 | 16.8\% | 27.0 | 7.2 | 21.0\% | 25.6 | 8.6 | 25.3\% | 24.1 | 10.1 | 29.5\% | 22.7 | 11.5 | 33.7\% |
| ME1 | 47629 | 2009 | Critical | October | Used in Summary Table Analysis | 654.2 | 650.4 | 3.8 | 0.6\% | 6498 | 4.4 | 0.7\% | ${ }^{648.7}$ | 5.5 | 0.8\% | ${ }^{647.5}$ | 6.6 | 1.0\% | ${ }^{646.7}$ | 7.5 5 5 | 1.2\% | $\begin{array}{r}64.5 \\ 38778 \\ \hline\end{array}$ | 8.7 64 | 1.3\% |
| ME1 | 47629 | 2009 | Critical | November | Used in Summary Table Analysis | 3,884.1 | 3,881.4 | 2.8 | 0.1\% | 3,881.0 | 3.1 | 0.1\% | $3,880.2$ 7089 | 3.9 | 0.1\% | 3,879.4 | 4.7 | 0.1\% | 3,878.6 | 5.6 | ${ }^{0.1 \%}$ | 3,877.8 | ${ }_{6}^{6.4}$ | ${ }^{0.2 \%}$ |
| ME1 1 | 47629 | 2009 | Critical | December | - | 7,202.3 | 7,199.9 | 2.4 | 0.0\% | 7,199.5 | 2.8 | 0.0\% | $7,198.6$ 41474 | 3.7 | ${ }^{0.1 \%}$ | 7,197.9 | 4.4 3.4 | ${ }^{0.1 \%}$ | 7,197.2 | 5.1 3.9 | 0.1\% $0.1 \%$ | $7,196.5$ 4.435 .6 | 5.8 4.5 | 0.1\% $0.1 \%$ |
| ME1 | 47629 | 2009 | Critical | January - | - | 4,440.2 | 4,438.2 | 2.0 | 0.0\% | 4,438.0 | 2.2 | 0.0\% | 4,437.4 | 2.8 | ${ }^{0.1 \%}$ | 4,436.8 | 3.4 | ${ }^{0.1 \%}$ | 4,436.2 | 3.9 | ${ }^{0.1 \%}$ | 4,435.6 | 4.5 | 0.1\% $0.0 \%$ |
| ME1 | 476029 476029 | 2009 2009 | Critical Critical | February March | - | ${ }^{13,567.1}$ | $13,566.0$ 11030.8 | 1.2 1.4 | 0.0\% $0.0 \%$ 0.0 | $13,566.0$ 11030.6 | 1.2 1.6 | -0.0\% | $13,564.8$ $11,030.2$ | 2.3 2.0 | 0.0\% | $13,564.8$ $11,029.7$ | 2.3 2.4 | 0.0\% | 13,563.7 110.029 .4 | 3.5 <br> 2.8 <br> 1.3 | 0.0\% | $13,563.7$ $11,028.9$ | 3.5 3.2 | - |
| ME1 | 476029 | 2009 | Critical | April | - | 4,806.3 | 4,800.6 | 5.7 | 0.1\% | 4,799.8 | 6.5 | 0.1\% | 4,798.1 | 8.1 | 0.2\% | 4,796.5 | ${ }_{9}^{2.7}$ | 0.2\% | 4,794.9 | 11.3 | 0.2\% | 4,793.3 | 13.0 | 0.3\% |
| ME1 | 476029 | 2009 | Critical | May | - | 10,380.1 | 10,374.9 | 5.2 | 0.1\% | 10,374.2 | 5.9 | 0.1\% | 10,372.8 | 7.3 | 0.1\% | 10,371.4 | 8.7 | 0.1\% | 10,369.6 | 10.5 | 0.1\% | 10,368.1 | 12.0 | 0.1\% |
| ME1 | 47629 | 2009 | Critical | June | - | 336.2 | 329.5 | 6.8 | 2.0\% | 328.5 | 7.7 | 2.3\% | 326.5 | 9.7 | 2.9\% | 324.5 | 11.7 | 3.5\% | 322.6 | 13.6 | 4.1\% | 320.6 | 15.6 | 4.6\% |
| me 1 | 47629 | 2009 | Critical | July | - | 68.9 | 64.7 | 4.2 | 6.1\% | 64.2 | 4.8 | 6.9\% | 63.0 | 5.9 | 8.5\% | 61.9 | 7.0 | 10.2\% | 60.8 | 8.1 | 11.8\% | 59.7 | 9.2 | 13.4\% |
| ME1 | 47629 | 2009 | Critical | August | S | 55.2 | 51.2 | 4.0 | 7.3\% | 50.7 | 4.6 | 8.3\% | 49.5 | 5.7 | 10.3\% | 48.4 | ${ }_{6}^{6.8}$ | 12.3\% | ${ }^{47.3}$ | 8.0 71 | 14.4\% | 46.1 | 9.1 8.1 | 16.5\% |
| ME1 | 47629 | 2009 | Critical | September | Used in Summary Table Analysis | 49.3 | 45.7 | 3.5 | 7.2\% | 45.2 | 4.1 | 8.2\% | 44.2 | 5.1 | 10.3\% | 43.2 | 6.1 | 12.4\% | 42.2 | 7.1 | 14.4\% | 41.1 | 8.1 | 16.5\% |
| ME1 | 476029 | 2010 | Below Normal | October | Used in Summary Table Analysis | $5,093.2$ 60757 | 5,089.5 | 3.7 <br> 28 <br> 2. | 0.1\% | 5,08990 60725 | 4.2 | ${ }^{0.1 \%}$ | $5,088.0$ 6071.6 | 5.2 | 0.1\% | $5,086.9$ 60708 | 6.3 | 0.1\% $0.1 \%$ 0.1 | $5,086.0$ $6,070.0$ | 7.2 5.7 | 0.1\% $0.1 \%$ | $5,084.8$ $6,069.2$ $6,68.2$ | 8.3 6.5 | $0.2 \%$ $0.1 \%$ |
| ME1 | 476029 | 2010 | Below Normal | January | -- | 18,079.9 | 18,077.5 | 2.3 | 0.0\% | 18,077.5 | 2.3 | 0.0\% | 18,077.5 | 2.3 | 0.0\% | 18,076.4 | 3.5 | 0.0\% | 18,075.2 | 4.6 | 0.0\% | 18,075.2 | 4.6 | 0.0\% |
| me 1 | 476029 | 2010 | Below Normal | February |  | 11,642.4 | 11,641.2 | 1.2 | 0.0\% | 11,640.0 | 2.3 | 0.0\% | 11,640.0 | 2.3 | 0.0\% | 11,640.0 | 2.3 | 0.0\% | 11,638.9 | 3.5 | 0.0\% | 11,638.9 | 3.5 | 0.0\% |
| ME1 | 47629 | 2010 | Below Normal | March | - | 15,990.7 | 15,989.6 | 1.2 | 0.0\% | 15,989.6 | 1.2 | 0.0\% | 15,988.4 | 2.3 | 0.0\% | 15,988.4 | 2.3 | 0.0\% | 15,988.4 | 2.3 | 0.0\% | 15,987.3 | 3.5 | 0.0\% |
| ME1 | 476029 | 2010 | Below Normal | April | - | 22,825.2 | 22,824.1 | 1.2 | 0.0\% | 22,824.1 | 1.2 | 0.0\% | 22,822.9 | 2.3 | 0.0\% | 22,822.9 | 2.3 | 0.0\% | 22,822.9 | 2.3 | 0.0\% | 22,821.8 | 3.5 | 0.0\% |
| ME1 | 47629 | 2010 | Below Normal | May | -- | 6,427.2 | 6,422.1 | 5.1 | 0.1\% | 6,421.3 | 5.9 | 0.1\% | 6,419.8 | 7.4 | 0.1\% | 6,418.3 | 8.9 | 0.1\% | 6,416.8 | 10.4 | 0.2\% | 6,415.2 | 12.0 | 0.2\% |
| ME1 | 47629 | 2010 | Below Normal | June | - | 3,625.6 | 3,619.0 | ${ }^{6.6}$ | 0.2\% | 3,618,1 | 7.5 | ${ }^{0.2 \%}$ | 3,616.3 | ${ }^{9.3}$ | ${ }^{0.3 \%}$ | 3,614.6 | 11.0 | ${ }^{0.3 \%}$ | 3,612.7 | 12.8 79 | 0.4\% | $3,611.0$ 789 | 14.6 88 | 0.4\% |
| ME1 | 476029 | 2010 | Below Normal | July |  | 87.7 | 83.8 | 3.9 | 4.4\% | 83.2 | 4.5 | 5.1\% | 82.1 | 5.6 | 6.4\% | 80.9 | 6.7 | 7.7\% | 79.8 | 7.9 | 9.0\% | 78.9 | 8.8 | 10.0\% $10.9 \%$ |
| ME1 | 47629 | 2010 | Below Normal | August | -- | 67.1 | 63.9 | 3.2 | 4.8\% | 63.4 | 3.7 | 5.5\% | ${ }^{62.5}$ | 4.6 | 6.8\% | ${ }^{61.6}$ | 5.4 | 8.1\% | 60.7 | 6.4 | 9.5\% | 59.8 | 7.3 | 10.9\% |
| ME 1 | 476029 476029 | 2010 | Below Normal Wet | September October | Used in Summary Table Analysis | 321.7 7.199 .9 | 7.147.6 | 4.1 <br> 2.8 | $1.3 \%$ $0.0 \%$ | 317.0 7.146 .6 | 4.7 3.2 | 1.5\% | 315.8 7.145 .8 | 5.9 4.1 | ${ }_{0}^{1.8 \%}$ | 314.7 $7,145.1$ | 7.0 4.7 | 2.2\% | 313.5 7144.3 | 8.2 5.6 | ${ }_{0.1 \%}^{2.6 \%}$ | 312.3 7.143 .5 | 9.4 6.4 | 2.9\% |
| ME1 | 476029 | 2011 | wet | November | Used in Summary Table Analysis | 6,166.7 | 6,164.5 | 2.2 | 0.0\% | 6,164.2 | 2.4 | 0.0\% | 6,163.5 | 3.1 | 0.1\% | 6,163.0 | 3.7 | 0.1\% | 6,162.3 | 4.4 | 0.1\% | 6,161.7 | 5.0 | 0.1\% |
| me 1 | 47629 | 2011 | Wet | December - |  | 17,496.5 | 17,495.4 | 1.2 | 0.0\% | 17,494.2 | 2.3 | 0.0\% | 17,494.2 | 2.3 | 0.0\% | 17,494.2 | 2.3 | 0.0\% | 17,493.1 | 3.5 | 0.0\% | 17,493.1 | 3.5 | 0.0\% |
| ME1 | 476029 | 2011 | Wet | January |  | 3,467.6 | 3,466.3 | 1.3 | 0.0\% | 3,466.1 | 1.5 | 0.0\% | 3,465.7 | 1.9 | 0.1\% | 3,465.3 | 2.3 | 0.1\% | 3,464.8 | 2.8 | 0.1\% | 3,464.5 | 3.1 | 0.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flowwithout Pumping (cfs) | 75\% Pumping Increase |  |  | ing |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference |
| ME1 | 47629 | 2011 | Wet |  | February | -- | 10,707.8 | 10,706.4 | 1.4 | 0.0\% | 10,706.3 | 1.5 | 0.0\% | 10,705.9 | 1.9 | 0.0\% | 10,705.6 | 2.2 | 0.0\% | 10,705.1 | 2.7 | 0.0\% | 10,704.7 | 3.0 | 0.0\% |
| ME1 | 476029 | 2011 | Wet | March | - | 28,659.7 | 28,658.6 | 1.2 | 0.0\% | 28,658.6 | 1.2 | 0.0\% | 28,658.6 | 1.2 | 0.0\% | 28,658.6 | 1.2 | 0.0\% | 28,657.4 | 2.3 | 0.0\% | 28,657.4 | 2.3 | 0.0\% |
| ME1 | 476029 | 2011 | Wet | April | - | 11,067.4 | 11,066.4 | 0.9 | 0.0\% | 11,066.2 | 1.2 | 0.0\% | 11,066.0 | 1.4 | 0.0\% | 11,065.6 | 1.7 | 0.0\% | 11,065.4 | 2.0 | 0.0\% | 11,065.0 | 2.3 | 0.0\% |
| ME1 | 476029 | 2011 | Wet | May | - | 4,810.9 | 4,806.1 | 4.7 | 0.1\% | 4,805.4 | 5.4 | 0.1\% | 4,803.9 | 6.9 | 0.1\% | 4,802.5 | 8.3 | 0.2\% | 4,801.2 | 9.7 | 0.2\% | 4,799.8 | 11.1 | 0.2\% |
| ME1 | 47629 | 2011 | Wet | June | - | 3,138.3 | 3,131.9 | 6.4 | 0.2\% | 3,131.1 | 7.2 | 0.2\% | 3,129.3 | 9.0 | 0.3\% | 3,127.5 | 10.8 | 0.3\% | 3,125.8 | 12.5 | 0.4\% | 3,124.1 | 14.2 | 0.5\% |
| ME1 | 47629 | 2011 | Wet | July | - | 214.8 | 209.2 | 5.5 | 2.5\% | 208.5 | 6.3 | 2.9\% | 206.9 | 7.9 | 3.7\% | 205.3 | 9.4 | 4.4\% | 203.8 | 11.0 | 5.1\% | 202.2 | 12.6 | 5.8\% |
| ME1 | 476029 | 2011 | Wet | August | -- | 65.8 | 62.8 | 3.0 | 4.6\% | 62.3 | 3.5 | 5.3\% | 61.5 | 4.3 | 6.6\% | 60.6 | 5.2 | 7.9\% | 59.7 | 6.1 | 9.2\% | 58.9 | 6.9 | 10.5\% |
| ME1 | 47629 | 2011 | Wet | September | Used in Summary Table Analysis | 55.7 | 53.1 | 2.7 | 4.8\% | 52.7 | 3.0 | 5.4\% | 52.0 | 3.8 | 6.8\% | 51.2 | 4.5 | 8.1\% | 50.5 | 5.3 | 9.4\% | 49.7 | 6.0 | 10.8\% |
| ME1 | 476029 | 2012 | Below Normal | October | Used in Summary Table Analysis | 3,528.2 | 3,525.6 | 2.7 | 0.1\% | 3,525.2 | 3.0 | 0.1\% | 3,524.5 | 3.7 | 0.1\% | 3,523.7 | 4.5 | 0.1\% | 3,522.9 | 5.3 | 0.2\% | 3,522.2 | 6.0 | 0.2\% |
| ME1 | 476029 | 2012 | Below Normal | November | Used in Summary Table Analysis | 4,817.9 | 4,815.9 | 2.1 | 0.0\% | 4,815.5 | 2.4 | 0.1\% | 4,814.9 | 3.0 | 0.1\% | 4,814.4 | 3.6 | 0.1\% | 4,813.7 | 4.3 | 0.1\% | 4,813.1 | 4.9 | 0.1\% |
| ME1 | 47629 | 2012 | Below Normal | December |  | 1,959.7 | 1,958.1 | 1.6 | 0.1\% | 1,957.9 | 1.9 | 0.1\% | 1,957.3 | 2.4 | 0.1\% | 1,956.8 | 2.9 | 0.1\% | 1,956.3 | 3.5 | 0.2\% | 1,955.8 | 3.9 | 0.2\% |
| ME1 | 47629 | 2012 | Below Normal | January | -- | 11,440.7 | 11,439.2 | 1.5 | 0.0\% | 11,439.0 | 1.7 | 0.0\% | 11,438.7 | 2.1 | 0.0\% | 11,438.2 | 2.5 | 0.0\% | 11,437.7 | 3.0 | 0.0\% | 11,437.4 | 3.4 | 0.0\% |
| ME1 | 47629 | 2012 | Below Normal | February | -- | 6,660.1 | 6,658.9 | 1.2 | 0.0\% | 6,658.8 | 1.3 | 0.0\% | 6,658.4 | 1.6 | 0.0\% | 6,658.1 | 2.0 | 0.0\% | 6,657.6 | 2.4 | 0.0\% | 6,657.3 | 2.8 | 0.0\% |
| ME1 | 476029 | 2012 | Below Normal | March | -- | 25,199.3 | 25,148.1 | 1.2 | 0.0\% | 25,148.1 | 1.2 | 0.0\% | 25,148.1 | 1.2 | 0.0\% | 25,148.1 | 1.2 | 0.0\% | 25,147.0 | 2.3 | 0.0\% | 25,147.0 | 2.3 | 0.0\% |
| ME1 | 47629 | 2012 | Below Normal | April | - | 12,517.4 | 12,516.2 | 1.2 | 0.0\% | 12,516.2 | 1.2 | 0.0\% | 12,516.2 | 1.2 | 0.0\% | 12,515.0 | 2.3 | 0.0\% | 12,515.0 | 2.3 | 0.0\% | 12,515.0 | 2.3 | 0.0\% |
| ME1 | 47629 | 2012 | Below Normal | May | - | 2,049.2 | 2,044.3 | 4.9 | 0.2\% | 2,043.5 | 5.7 | 0.3\% | 2,042.1 | 7.1 | 0.3\% | 2,040.7 | 8.4 | 0.4\% | 2,039.4 | 9.8 | 0.5\% | 2,037.8 | 11.3 | 0.6\% |
| ME1 | 47629 | 2012 | Below Normal | June | - | 3,039.6 | 3,033.2 | 6.4 | 0.2\% | 3,032.3 | 7.3 | 0.2\% | 3,030.6 | 9.0 | 0.3\% | 3,028.8 | 10.8 | 0.4\% | 3,027.0 | 12.6 | 0.4\% | 3,025.2 | 14.4 | 0.5\% |
| ME1 | 47629 | 2012 | Below Normal | July | - | 1,082.5 | 1,076.9 | 5.6 | 0.5\% | 1,076.1 | 6.4 | 0.6\% | 1,074.5 | 8.0 | 0.7\% | 1,072.9 | 9.6 | 0.9\% | 1,071.3 | 11.2 | 1.0\% | 1,069.7 | 12.8 | 1.2\% |
| me1 | 476029 | 2012 | Below Normal | August | -- | 72.2 | 69.2 | 3.0 | 4.1\% | 68.8 | 3.4 | 4.7\% | 67.9 | 4.2 | 5.9\% | 67.1 | 5.1 | 7.0\% | 66.3 | 5.9 | 8.2\% | 65.4 | 6.7 | 9.3\% |
| ME1 | 47629 | 2012 | Below Normal | September | Used in Summary Table Analysis | 59.4 | 56.7 | 2.7 | 4.6\% | 56.3 | 3.1 | 5.2\% | 55.6 | 3.8 | 6.5\% | 54.8 | 4.6 | 7.7\% | 54.1 | 5.3 | 8.9\% | 53.3 | 6.1 | 10.2\% |
| ME1 | 47629 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,483.2 | 1,480.3 | 2.9 | 0.2\% | 1,480.0 | 3.2 | 0.2\% | 1,479.1 | 4.2 | 0.3\% | 1,478.2 | 5.0 | 0.3\% | 1,477.4 | 5.8 | 0.4\% | 1,476.6 | 6.6 | 0.4\% |
| ME1 | 47629 | 2013 | Below Normal | November | Used in Summary Table Analysis | 9,489.9 | 9,487.7 | 2.2 | 0.0\% | 9,487.4 | 2.5 | 0.0\% | 9,486.8 | 3.1 | 0.0\% | 9,486.1 | 3.8 | 0.0\% | 9,485.4 | 4.5 | 0.0\% | 9,484.7 | 5.2 | 0.1\% |
| ME1 | 47629 | 2013 | Below Normal | December | -- | 32,099.5 | 32,097.2 | 2.3 | 0.0\% | 32,096.1 | 3.5 | 0.0\% | 32,096.1 | 3.5 | 0.0\% | 32,094.9 | 4.6 | 0.0\% | 32,094.9 | 4.6 | 0.0\% | 32,093.8 | 5.8 | 0.0\% |
| me1 | 476029 | 2013 | Below Normal | January | -- | 4,825.1 | 4,823.7 | 1.4 | 0.0\% | 4,823.5 | 1.6 | 0.0\% | 4,823.0 | 2.1 | 0.0\% | 4,822.6 | 2.5 | 0.1\% | 4,822.1 | 3.0 | 0.1\% | 4,821.5 | 3.6 | 0.1\% |
| ME1 | 47629 | 2013 | Below Normal | February | -- | 3,069.7 | 3,068.4 | 1.3 | 0.0\% | 3,068.2 | 1.5 | 0.0\% | 3,067.8 | 1.9 | 0.1\% | 3,067.5 | 2.2 | 0.1\% | 3,067.0 | 2.7 | 0.1\% | 3,066.6 | 3.1 | 0.1\% |
| ME1 | 47629 | 2013 | Below Normal | March | - | 5,639.9 | 5,638.9 | 1.0 | 0.0\% | 5,638.7 | 1.3 | 0.0\% | 5,638.4 | 1.5 | 0.0\% | 5,638.1 | 1.9 | 0.0\% | 5,637.7 | 2.2 | 0.0\% | 5,637.4 | 2.5 | 0.0\% |
| ME1 | 47629 | 2013 | Below Normal | April | - | 4,397.9 | 4,393.2 | 4.7 | 0.1\% | 4,392.6 | 5.3 | 0.1\% | 4,391.3 | 6.6 | 0.2\% | 4,389.9 | 8.0 | 0.2\% | 4,388.7 | 9.3 | 0.2\% | 4,387.3 | 10.6 | 0.2\% |
| ME1 | 47629 | 2013 | Below Normal | May | - | 2,272.6 | 2,268.6 | 3.9 | 0.2\% | 2,268.1 | 4.5 | 0.2\% | 2,267.0 | 5.6 | 0.2\% | 2,265.9 | 6.7 | 0.3\% | 2,264.7 | 7.9 | 0.3\% | 2,263.5 | 9.0 | 0.4\% |
| ME1 | 47629 | 2013 | Below Normal | June | - | 1,010.6 | 1,005.0 | 5.6 | 0.6\% | 1,004.2 | 6.4 | 0.6\% | 1,002.6 | 8.0 | 0.8\% | 1,001.0 | 9.6 | 1.0\% | 999.4 | 11.2 | 1.1\% | 997.8 | 12.8 | 1.3\% |
| me 1 | 47629 | 2013 | Below Normal | July | - | 68.2 | 64.9 | 3.3 | 4.9\% | 64.4 | 3.8 | 5.5\% | 63.5 | 4.7 | 6.8\% | 62.6 | 5.6 | 8.2\% | 61.7 | 6.5 | 9.5\% | 60.8 | 7.3 | 10.8\% |
| ME1 | 47629 | 2013 | Below Normal | August | -- | 55.8 | 52.6 | 3.2 | 5.8\% | 52.1 | 3.7 | 6.6\% | 51.2 | 4.6 | 8.2\% | 50.3 | 5.5 | 9.8\% | 49.4 | 6.4 | 11.5\% | 48.4 | 7.3 | 13.1\% |
| me 1 | 476029 | 2013 | Below Normal | September | Used in Summary Table Analysis | 3,832.8 | 3,828.2 | 4.5 | 0.1\% | 3,827.7 | 5.1 | 0.1\% | 3,826.4 | 6.4 | 0.2\% | 3,825.1 | 7.6 | 0.2\% | 3,823.8 | 8.9 | 0.2\% | 3,822.6 | 10.2 | 0.3\% |
| ME1 | 47629 | 2014 | Critical | October | Used in Summary Table Analysis | 88.4 | 85.5 | 2.9 | 3.2\% | 85.1 | 3.3 | 3.7\% | 84.2 | 4.1 | 4.7\% | 83.4 | 5.0 | 5.6\% | 82.6 | 5.8 | 6.6\% | 81.7 | 6.7 | 7.5\% |
| ME1 | 47629 | 2014 | Critical | November | Used in Summary Table Analysis | 1,147.7 | 1,145.4 | 2.3 | 0.2\% | 1,145.1 | 2.6 | 0.2\% | 1,144.4 | 3.3 | 0.3\% | 1,143.8 | 3.9 | 0.3\% | 1,143.1 | 4.6 | 0.4\% | 1,142.5 | 5.2 | 0.5\% |
| ME1 | 476029 | 2014 | Critical | December | -- | 1916.9 | 915.2 | 1.8 <br> 1.5 <br> 1.4 | ${ }^{0.2 \%}$ | 914.9 | 2.1 | 0.2\% | 914.4 | 2.6 | 0.3\% | ${ }^{913.8}$ | 3.1 | 0.3\% | ${ }^{913.3}$ | 3.7 | ${ }^{0.4 \%}$ | 912.8 | 4.2 | 0.5\% |
| ME1 | 47629 | 2014 | Critical | January | -- | 1,815.4 | 1,813.9 | 1.5 | 0.1\% | 1,813.7 | 1.7 | 0.1\% | 1,813.2 | 2.2 | 0.1\% | 1,812.7 | 2.7 | 0.1\% | 1,812.4 | 3.0 | 0.2\% | 1,811.9 | 3.5 | 0.2\% |
| ME1 | 476029 476029 | 2014 2014 | Critical Critical | February Marc | -- | 9,880.3 <br> 14849.5 <br> 1 |  | 1.4 | 0.0\% |  | 1.5 | 0.0\% |  | 2.0 | 0.0\% | $9,878.0$ <br>  <br> 148872 | 2.3 | 0.0\% |  | 2.7 | 0.0\% | $9,877.2$ 148472 | $\begin{array}{r}3.1 \\ \hline 2 .\end{array}$ | 0.0\% |
| ME1 | 476029 476029 | 2014 2014 | Critical Critical | $\underset{\substack{\text { March } \\ \text { April }}}{\text { a }}$ | $\cdots$ | $14,849.5$ $3,630.9$ | $14,848.4$ $3,625.5$ | 1.2 5.4 | 0.0\% | $14,888.4$ $3,624.7$ | 1.2 6.3 | - $0.0 \%$ | $14,848.4$ 3,623 | 1.2 7.6 | 0.0\% | $14,847.2$ $3,621.8$ | 2.3 9.1 | - $0.0 \%$ | ${ }_{\text {l }}^{14,847.2}$ | 2.3 10.8 | 0.0\% | $14,847.2$ $3,618.5$ | 2.3 12.4 | 0.0\% |
| ME1 | 476029 | 2014 | Critical | May | - | 1,853.6 | 1,848.8 | 4.7 | 0.3\% | 1,848.3 | 5.3 | 0.3\% | 1,846.9 | 6.7 | 0.4\% | 1,845.6 | 8.0 | 0.4\% | 1,844.2 | 9.4 | 0.5\% | 1,842.8 | 10.8 | 0.6\% |
| ME1 | 47629 | 2014 | Critical | June | - | 121.0 | 114.2 | 6.7 | 5.6\% | 113.3 | 7.7 | 6.4\% | 111.4 | 9.6 | 7.9\% | 109.5 | 11.5 | 9.5\% | 107.6 | 13.3 | 11.0\% | 105.7 | 15.2 | 12.6\% |
| ME1 | 47629 | 2014 | Critical | July | - | 57.5 | 53.5 | 4.0 | 6.9\% | 53.0 | 4.5 | 7.9\% | 51.9 | 5.7 | 9.9\% | 50.7 | 6.8 | 11.8\% | 49.6 | 7.9 | 13.8\% | 48.5 | 9.0 | 15.7\% |
| ME1 | 47629 | 2014 | Critical | August | -- | 50.5 | 46.6 | 4.0 | 7.8\% | 46.0 | 4.5 | 9.0\% | 44.9 | 5.7 | 11.2\% | 43.8 | 6.8 | 13.4\% | 42.6 | 7.9 | 15.6\% | 41.5 | 9.0 | 17.9\% |
| ME1 | 47629 | 2014 | Critical | September | Used in Summary Table Analysis | 2,101.6 | 2,096.2 | 5.4 | 0.3\% | 2,095.5 | 6.1 | 0.3\% | 2,094.0 | 7.6 | 0.4\% | 2,092.4 | 9.3 | 0.4\% | 2,090.7 | 10.9 | 0.5\% | 2,889.2 | 12.4 | 0.6\% |
| ME1 | 47629 | 2015 | Dry | October | Used in Summary Table Analysis | 8,253.8 | 8,249.4 | 4.4 | 0.1\% | 8,248.8 | 5.0 | 0.1\% | 8,247.8 | 6.0 | 0.1\% | 8,246.6 | 7.2 | 0.1\% | 8,245.6 | 8.2 | 0.1\% | 8,244.2 | 9.6 | 0.1\% |
| ME1 | 47629 | 2015 | Dry | November | Used in Summary Table Analysis | 4,164.4 | 4,161.6 | 2.8 | 0.1\% | 4,161.1 | 3.2 | 0.1\% | 4,160.3 | 4.1 | 0.1\% | 4,159.5 | 4.9 | 0.1\% | 4,158.7 | 5.7 | 0.1\% | 4,157.9 | 6.5 | 0.2\% |
| ME1 | 47629 | 2015 | Dry | December | -- | 15,281.3 | 15,278.9 | 2.3 | 0.0\% | 15,277.8 | 3.5 | 0.0\% | 15,277.8 | 3.5 | 0.0\% | 15,276.6 | 4.6 | 0.0\% | 15,276.6 | 4.6 | 0.0\% | 15,275.5 | 5.8 | 0.0\% |
| ME1 | 47629 | 2015 | Dry | January | -- | 2,401.7 | 2,399.9 | 1.9 | 0.1\% | 2,399.7 | 2.1 | 0.1\% | 2,399.1 | 2.7 | 0.1\% | 2,398.6 | 3.1 | 0.1\% | 2,398.0 | 3.7 | 0.2\% | 2,397.5 | 4.3 | 0.2\% |
| ME1 | 47629 | 2015 | Dry | February | -- | 15,079.9 | 15,078.7 | 1.2 | 0.0\% | 15,078.7 | 1.2 | 0.0\% | 15,077.5 | 2.3 | 0.0\% | 15,077.5 | 2.3 | 0.0\% | 15,077.5 | 2.3 | 0.0\% | 15,076.4 | 3.5 | 0.0\% |
| ME1 | 47629 | 2015 | Dry | March | -- | 4,145.3 | 4,144.0 | 1.3 | 0.0\% | 4,143.8 | 1.5 | 0.0\% | 4,143.4 | 1.9 | 0.0\% | 4,143.1 | 2.2 | 0.1\% | 4,142.6 | 2.7 | 0.1\% | 4,142.4 | 2.9 | 0.1\% |
| ME1 | 47629 | 2015 | Dry | April | - | 4,497.0 | 4,491.4 | 5.6 | 0.1\% | 4,490.6 | 6.4 | 0.1\% | 4,489.0 | 8.0 | 0.2\% | 4,487.4 | 9.6 | 0.2\% | 4,485.8 | 11.2 | 0.2\% | 4,484.1 | 12.8 | $0.3 \%$ $7.5 \%$ |
| ME 1 | 476029 | 2015 | Dry | May | - | 141.4 | 136.8 | 4.6 | ${ }^{3.3 \%}$ | 136.1 | 5.3 68 | 3.8\% | 134.8 | 6.6 8.5 | 4.7\% | 133.5 1653 | 7.9 | $5.6 \%$ 5.80 c. | 132.2 1637 | ${ }^{9.3}$ | ${ }_{6}^{6.5 \%}$ | 130.8 | 10.6 134 | $7.5 \%$ $77 \%$ |
| ME1 | 476029 476029 | 2015 | ${ }_{\text {Dry }}$ | June | $\cdots$ | 175.5 53.6 | 169.5 49.4 | 6.0 4.2 | $3.4 \%$ $7.8 \%$ | 168.7 48.8 | 6.8 4.8 | $3.9 \%$ $8.9 \%$ | 167.0 47.6 | 8.5 5.9 | 4.8\% | 165.3 46.5 | 10.2 7.1 | 5.8\% 13.3\% | 163.7 45.3 | 11.8 8.3 | ${ }^{6.7 \%} 15.5 \%$ | 162.0 44.1 | 13.4 9.4 | 7.7\% $17.6 \%$ |
| ME1 | 476029 | 2015 | Dry | August | -- | 48.2 | 44.1 | 4.0 | 8.4\% | 43.5 | 4.6 | 9.6\% | 42.4 | 5.8 | 12.0\% | 41.2 | 6.9 | 14.4\% | 40.1 | 8.1 | 16.8\% | 38.9 | 9.2 | 19.2\% |
| ME1 | 47629 | 2015 | Dry | September | Used in Summary Table Analysis | 46.7 | 43.0 | 3.7 | 7.8\% | 42.5 | 4.2 | 8.9\% | 40.9 | 5.7 | 12.3\% | 39.6 | 7.1 | 15.2\% | 38.0 | 8.6 | 18.5\% | 36.6 | 10.1 | 21.6\% |
| ME1 | 47629 | 2016 | Above Normal | October | Used in Summary Table Analysis | 38.5 | 33.5 | 5.0 | 13.1\% | 32.7 | 5.8 | 15.1\% | 31.4 | 7.1 | 18.5\% | 30.0 | 8.5 | 22.0\% | 28.8 | 9.7 | 25.2\% | 27.7 | 10.8 | 28.0\% |
| ME1 | 47629 | 2016 | Above Normal | November | Used in Summary Table Analysis | 2,988.9 | 2,986.1 | 2.8 | 0.1\% | 2,985.6 | 3.2 | 0.1\% | 2,984.8 | 4.1 | 0.1\% | 2,984.0 | 4.9 | 0.2\% | 2,983.2 | 5.7 | 0.2\% | 2,982.3 | 6.6 | 0.2\% |
| ME1 | 47629 | 2016 | Above Normal | December |  | 19,850.7 | 19,848.4 | 2.3 | 0.0\% | 19,847.2 | 3.5 | 0.0\% | 19,847.2 | 3.5 | 0.0\% | 19,846.1 | 4.6 | 0.0\% | 19,844.9 | 5.8 | 0.0\% | 19,844.9 | 5.8 | 0.0\% |
| ME1 | 47629 | 2016 | Above Normal | January | -- | 20,939.8 | 20,937.5 | 2.3 | 0.0\% | 20,937.5 | 2.3 | 0.0\% | 20,936.3 | 3.5 | 0.0\% | 20,936.3 | 3.5 | 0.0\% | 20,935.2 | 4.6 | 0.0\% | 20,934.0 | 5.8 | 0.0\% |
| ME1 | 476029 | 2016 | Above Normal | February | -- | 5,507.6 | 5,506.1 | 1.5 | 0.0\% | 5,505.9 | 1.7 | 0.0\% | 5,505.4 | 2.2 | 0.0\% | 5,505.0 | 2.7 | 0.0\% | 5,504.5 | 3.1 | 0.1\% | 5,504.2 | 3.5 | 0.1\% |
| ME1 | 47629 | 2016 | Above Normal | March | -- | 20,275.5 | 20,274.3 | 1.2 | 0.0\% | 20,274.3 | 1.2 | 0.0\% | 20,273.1 | 2.3 | 0.0\% | 20,273.1 | 2.3 | 0.0\% | 20,272.0 | 3.5 | 0.0\% | 20,272.0 | 3.5 | 0.0\% |
| ME1 | 47629 | 2016 | Above Normal | April | - | 5,690.6 | 5,689.5 | 1.2 | 0.0\% | 5,689.2 | 1.4 | 0.0\% | 5,689.0 | 1.6 | 0.0\% | 5,688.7 | 2.0 | 0.0\% | 5,688.3 | 2.3 | 0.0\% | 5,688.0 | 2.7 | 0.0\% |
| ME1 | 47629 | 2016 | Above Normal | May | -- | 1,249.2 | 1,247.5 | 1.7 | 0.1\% | 1,247.2 | 2.0 | 0.2\% | 1,246.8 | 2.4 | 0.2\% | 1,246.3 | 2.9 | 0.2\% | 1,245.7 | 3.5 | 0.3\% | 1,245.3 | 3.9 | 0.3\% |

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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | th |  | Flow Without Pumping(cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
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|  |  |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| me1 | 485942 | 2006 | Wet |  | February | -- | 16,953.7 | 16,951.4 | 2.3 | 0.0\% | 16,951.4 | 2.3 | 0.0\% | 16,950.2 | 3.5 | 0.0\% | 16,950.2 | 3.5 | 0.0\% | 16,949.1 | 4.6 | 0.0\% | 16,949.1 | 4.6 | 0.0\% |
| ME1 | 485942 | 2006 | Wet | March | -- | 23,273.1 | 23,270.8 | 2.3 | 0.0\% | 23,270.8 | 2.3 | 0.0\% | 23,269.7 | 3.5 | 0.0\% | 23,269.7 | 3.5 | 0.0\% | 23,268.5 | 4.6 | 0.0\% | 23,268.5 | 4.6 | 0.0\% |
| ME1 | 485942 | 2006 | Wet | April | - | 18,674.8 | 18,672.5 | 2.3 | 0.0\% | 18,672.5 | 2.3 | 0.0\% | 18,672.5 | 2.3 | 0.0\% | 18,671.3 | 3.5 | 0.0\% | 18,671.3 | 3.5 | 0.0\% | 18,670.1 | 4.6 | 0.0\% |
| ME1 | 485942 | 2006 | Wet | May | - | 9,409.4 | 9,406.5 | 2.9 | 0.0\% | 9,406.0 | 3.4 | 0.0\% | 9,405.2 | 4.2 | 0.0\% | 9,404.4 | 5.0 | 0.1\% | 9,403.5 | 5.9 | 0.1\% | 9,402.7 | 6.7 | 0.1\% |
| ME1 | 485942 | 2006 | Wet | June | - | 2,969.8 | 2,963.3 | 6.5 | 0.2\% | 2,962.4 | 7.4 | 0.2\% | 2,960.5 | 9.3 | 0.3\% | 2,958.7 | 11.1 | 0.4\% | 2,956.8 | 13.0 | 0.4\% | 2,955.0 | 14.8 | 0.5\% |
| ME1 | 485942 | 2006 | Wet | July | - | 1,184.7 | 1,177.3 | 7.4 | 0.6\% | 1,176.3 | 8.4 | 0.7\% | 1,174.2 | 10.5 | 0.9\% | 1,172.1 | 12.6 | 1.1\% | 1,169.9 | 14.8 | 1.3\% | 1,167.8 | 16.9 | 1.4\% |
| me1 | 485942 | 2006 | Wet | August | -- | 585.1 | 578.7 | 6.4 | 1.1\% | 577.8 | 7.3 | 1.2\% | 576.0 | 9.1 | 1.6\% | 574.2 | 10.9 | 1.9\% | 572.4 | 12.7 | 2.2\% | 570.6 | 14.5 | 2.5\% |
| me1 | 485942 | 2006 | Wet | September | Used in Summary Table Analysis | 355.3 | 350.2 | 5.1 | 1.4\% | 349.5 | 5.8 | 1.6\% | 348.0 | 7.3 | 2.1\% | 346.5 | 8.8 | 2.5\% | 345.1 | 10.2 | 2.9\% | 343.6 | 11.7 | 3.3\% |
| ME1 | 485942 | 2007 | Above Normal | October | Used in Summary Table Analysis | 216.0 | 212.4 | 3.6 | 1.6\% | 211.9 | 4.1 | 1.9\% | 210.9 | 5.1 | 2.4\% | 209.9 | 6.1 | 2.8\% | 208.8 | 7.1 | 3.3\% | 207.8 | 8.1 | 3.8\% |
| me1 | 485942 | 2007 | Abve Normal | November | Used in Summary Table Analysis | 2,527.9 | 2,525.2 | 2.7 | 0.1\% | 2,524.9 | 3.0 | 0.1\% | 2,524.2 | 3.7 | 0.1\% | 2,523.4 | 4.5 | 0.2\% | 2,522.7 | 5.2 | 0.2\% | 2,521.9 | 6.0 | 0.2\% |
| ME1 | 485942 | 2007 | Above Normal | December | - | 9,032.8 | 9,030.3 | 2.4 | 0.0\% | 9,030.0 | 2.8 | 0.0\% | 9,029.3 | 3.5 | 0.0\% | 9,028.7 | 4.1 | 0.0\% | 9,028.0 | 4.7 | 0.1\% | 9,027.3 | 5.4 | 0.1\% |
| me1 | 485942 | 2007 | Above Normal | January | -- | 7,656.0 | 7,653.8 | 2.2 | 0.0\% | 7,653.5 | 2.5 | 0.0\% | 7,652.8 | 3.2 | 0.0\% | 7,652.2 | 3.8 | 0.0\% | 7,651.5 | 4.5 | 0.1\% | 7,650.9 | 5.1 | 0.1\% |
| me1 | 485942 | 2007 | Above Normal | February | -- | 12,370.4 | 12,368.1 | 2.3 | 0.0\% | 12,368.1 | 2.3 | 0.0\% | 12,368.1 | 2.3 | 0.0\% | 12,366.9 | 3.5 | 0.0\% | 12,365.7 | 4.6 | 0.0\% | 12,365.7 | 4.6 | 0.0\% |
| me1 | 485942 | 2007 | Above Normal | March | -- | 7,943.5 | 7,941.2 | 2.3 | 0.0\% | 7,940.9 | 2.7 | 0.0\% | 7,940.2 | 3.4 | 0.0\% | 7,939.6 | 3.9 | 0.0\% | 7,938.9 | 4.6 | 0.1\% | 7,938.2 | 5.3 | 0.1\% |
| ME1 | 485942 | 2007 | Above Normal | April | - | 4,932.3 | 4,928.2 | 4.1 | 0.1\% | 4,927.8 | 4.5 | 0.1\% | 4,926.6 | 5.7 | 0.1\% | 4,925.5 | 6.8 | 0.1\% | 4,924.3 | 8.0 | 0.2\% | 4,923.1 | 9.1 | 0.2\% |
| ME1 | 485942 | 2007 | Above Normal | May | - | 2,825.6 | 2,819.8 | 5.8 | 0.2\% | 2,819.0 | 6.6 | 0.2\% | 2,817.2 | 8.3 | 0.3\% | 2,815.6 | 10.0 | 0.4\% | 2,814.0 | 11.6 | 0.4\% | 2,812.4 | 13.2 | 0.5\% |
| me1 | 485942 | 2007 | Above Normal | June | - | 1,014.2 | 1,007.1 | 7.1 | 0.7\% | 1,006.1 | 8.1 | 0.8\% | 1,004.1 | 10.1 | 1.0\% | 1,002.1 | 12.1 | 1.2\% | 1,000.1 | 14.1 | 1.4\% | 998.1 | 16.1 | 1.6\% |
| me1 | 485942 | 2007 | Above Normal | July | -- | 379.3 | 371.9 | 7.4 | 1.9\% | 370.8 | 8.4 | 2.2\% | 368.7 | 10.5 | 2.8\% | 366.6 | 12.7 | 3.3\% | 364.5 | 14.8 | 3.9\% | 362.4 | 16.9 | 4.5\% |
| me1 | 485942 | 2007 | Abve Normal | August | -- | 156.8 | 150.8 | 6.0 | 3.8\% | 150.0 | 6.9 | 4.4\% | 148.3 | 8.6 | 5.5\% | 146.5 | 10.3 | 6.6\% | 144.8 | 12.0 | 7.6\% | 143.1 | 13.7 | 8.7\% |
| me1 | 485942 | 2007 | Above Normal | September | Used in Summary Table Analysis | 89.2 | 83.7 | 5.5 | 6.2\% | 83.0 | 6.3 | 7.0\% | 81.4 | 7.8 | 8.8\% | 79.8 | 9.4 | 10.5\% | 78.3 | 11.0 | 12.3\% | 76.7 | 12.5 | 14.0\% |
| ME1 | 485942 | 2008 | Dry | October | Used in Summary Table Analysis | 427.2 | 423.6 | 3.6 | 0.8\% | 423.1 | 4.1 | 1.0\% | 422.0 | 5.2 | 1.2\% | 421.0 | 6.2 | 1.4\% | 420.0 | 7.2 | 1.7\% | 418.9 | 8.2 | 1.9\% |
| me1 | 485942 | 2008 | Dry | November | Used in Summary Table Analysis | 1,034.7 | 1,032.0 | 2.6 | 0.3\% | 1,031.7 | 3.0 | 0.3\% | 1,030.9 | 3.8 | 0.4\% | 1,030.2 | 4.5 | 0.4\% | 1,029.4 | 5.3 | 0.5\% | 1,028.7 | 6.0 | 0.6\% |
| me1 | 485942 | 2008 | Dry | December | -- | 8,26.9 | 8,261.7 | 2.2 | 0.0\% | 8,261.3 | 2.5 | 0.0\% | 8,260.6 | 3.2 | 0.0\% | 8,260.1 | 3.8 | 0.0\% | 8,259.4 | 4.5 | 0.1\% | 8,258.8 | 5.1 | 0.1\% |
| ME1 | 485942 | 2008 | Dry | January | - | 21,000.0 | 20,997.7 | 2.3 | 0.0\% | 20,997.7 | 2.3 | 0.0\% | 20,996.5 | 3.5 | 0.0\% | 20,995.4 | 4.6 | 0.0\% | 20,995.4 | 4.6 | 0.0\% | 20,994.2 | 5.8 | 0.0\% |
| me1 | 485942 | 2008 | Dry | February | -- | 19,610.0 | 19,607.6 | 2.3 | 0.0\% | 19,607.6 | 2.3 | 0.0\% | 19,606.5 | 3.5 | 0.0\% | 19,606.5 | 3.5 | 0.0\% | 19,605.3 | 4.6 | 0.0\% | 19,605.3 | 4.6 | 0.0\% |
| ME1 | 485942 | 2008 | Dry | March | - | $8,549.5$ | 8,547.5 | 2.1 | 0.0\% | 8,547.2 | 2.3 | 0.0\% | 8,546.5 | 3.0 | 0.0\% | 8,545.9 | 3.6 | 0.0\% | 8,545.4 | 4.2 | 0.0\% | 8,544.8 | 4.7 | 0.1\% |
| ME1 | 485942 | 2008 | Dry | April | - | 4,623.7 | 4,620.0 | 3.7 | 0.1\% | 4,619.6 | 4.2 | 0.1\% | 4,618.4 | 5.3 | 0.1\% | 4,617.4 | 6.4 | 0.1\% | 4,616.3 | 7.4 | 0.2\% | 4,615.3 | 8.4 | 0.2\% |
| me1 | 485942 | 2008 | Dry | May | -- | 1,289.7 | 1,284,1 | 5.6 | 0.4\% | 1,283.3 | 6.4 | 0.5\% | 1,281.8 | 7.9 | 0.6\% | 1,280.2 | 9.5 | 0.7\% | 1,278.6 | 11.1 | 0.9\% | 1,277.0 | 12.7 | 1.0\% |
| ME1 | 485942 | 2008 | Dry | June | -- | 351.6 | 343.5 | 8.1 | 2.3\% | 342.3 | 9.3 | 2.6\% | 340.0 | 11.6 | 3.3\% | 337.7 | 13.9 | 3.9\% | 335.4 | 16.2 | 4.6\% | 333.2 | 18.4 | 5.2\% |
| me1 | 485942 | 2008 | Dry | July | -- | 198.2 | 190.2 | 8.0 | 4.0\% | 189.1 | 9.1 | 4.6\% | 186.8 | 11.4 | 5.8\% | 184.5 | 13.7 | 6.9\% | 182.2 | 16.0 | 8.1\% | 179.9 | 18.3 | 9.2\% |
| ME1 | 485942 | 2008 | Dry | August | - | 124.1 | 117.3 | ${ }^{6.8}$ | 5.5\% | 116.4 | 7.8 | 6.2\% | 114.4 | 9.7 | 7.8\% | 112.5 | 11.6 | 9.4\% | 110.6 | 13.6 | 10.9\% | 108.6 | 15.5 | 12.5\% |
| ME1 | 485942 | 2008 | Dry | September | Used in Summary Table Analysis | 97.1 | 91.5 | 5.6 | 5.7\% | 90.7 | 6.3 | 6.5\% | 89.1 | 7.9 | 8.2\% | 87.6 | 9.5 | 9.8\% | 86.0 | 11.1 | 11.4\% | 84.4 | 12.7 | 13.1\% |
| me1 | 485942 | 2009 | Critical | October | Used in Summary Table Analysis | 254.0 | 25.0 | 3.9 | 1.5\% | 249.5 | 4.5 | 1.8\% | 248.4 | 5.6 | 2.2\% | 247.2 | 6.7 | 2.7\% | 246.1 | 7.9 | 3.1\% | 245.0 | 9.0 | 3.5\% |
| me1 | 485942 | 2009 | Critical | November | Used in Summary Table Analysis | 1,477.0 | 1,474.2 | 2.8 | 0.2\% | 1,473.7 | 3.2 | 0.2\% | 1,472.9 | 4.1 | 0.3\% | 1,472.2 | 4.7 | 0.3\% | 1,471.4 | 5.6 | 0.4\% | 1,470.6 | 6.4 | 0.4\% |
| me1 | 485942 | 2009 | Critical | December |  | 4,650.5 | 4,648.0 | 2.4 | 0.1\% | 4,647.7 | 2.8 | 0.1\% | 4,647.0 | 3.5 | 0.1\% | 4,646.3 | 4.2 | 0.1\% | 4,645.6 | 4.9 | 0.1\% | 4,645.0 | 5.4 | 0.1\% |
| ME1 | 485942 | 2009 | Critical | January | - | 4,262.2 | 4,259.7 | 2.4 | 0.1\% | 4,259.4 | 2.8 | 0.1\% | 4,258.7 | 3.5 | 0.1\% | 4,258.0 | 4.2 | 0.1\% | 4,257.3 | 4.9 | 0.1\% | 4,255.6 | 5.6 | 0.1\% |
| ME1 | 485942 485942 | 2009 2009 | Critical Critical | February March | -- | ${ }_{9,882.4}^{8,764}$ | $8,762.0$ $9,880.3$ | 2.1 2.1 | 0.0\% | $8,761.7$ 9.880 .0 | 2.4 2.4 | $0.0 \%$ $0.0 \%$ 0.0 | $8,761.1$ $9,879.4$ | 3.0 3.0 | 0.0\% | $8,760.5$ $9,878.8$ | 3.6 3.6 | - $0.0 \%$ | $8,759.8$ $9,878.2$ | 4.3 4.2 | - $0.0 \%$ | $8,759.3$ $9,877.7$ | 4.9 | - |
| me1 | 485942 | 2009 | Critical | April | -- | 5,261.8 | 5,258.1 | 3.7 | 0.1\% | 5,257.5 | 4.3 | 0.1\% | 5,256.5 | 5.3 | 0.1\% | 5,255.4 | 6.4 | 0.1\% | 5,254.3 | 7.5 | 0.1\% | 5,253.2 | 8.6 | 0.2\% |
| ME1 | 485942 | 2009 | Critical | May | -- | 5,886.0 | 5,080.3 | 5.7 | 0.1\% | 5,079.5 | 6.5 | 0.1\% | 5,077.9 | 8.1 | 0.2\% | 5,076.3 | 9.7 | 0.2\% | 5,074.7 | 11.3 | 0.2\% | 5,073.0 | 13.0 | 0.3\% |
| me1 | 485942 | 2009 | Critical | June | -- | 2,809.6 | 2,801.3 | 8.3 | 0.3\% | 2,800.1 | 9.5 | 0.3\% | 2,797.8 | 11.8 | 0.4\% | 2,795.5 | 14.1 | 0.5\% | 2,793.2 | 16.4 | 0.6\% | 2,790.9 | 18.8 | 0.7\% |
| ME1 | 485942 | 2009 | Critical | July | - | 1,181.8 | 1,173.7 | 8.1 | 0.7\% | 1,172.6 | 9.3 | 0.8\% | 1,170.3 | 11.6 | 1.0\% | 1,167.9 | 13.9 | 1.2\% | 1,165.6 | 16.2 | 1.4\% | 1,163.4 | 18.4 | 1.6\% |
| ME1 | 485942 | 2009 | Critical | August | -- | 600.9 | 594.1 | 6.8 | 1.1\% | 593.1 | 7.8 | 1.3\% | 591.1 | 9.7 | 1.6\% | 589.2 | 11.7 | 1.9\% | 587.3 | 13.6 | 2.3\% | 585.3 | 15.6 | 2.6\% |
| ME1 | 485942 | 2009 | Critical | September | Used in Summary Table Analysis | 329.5 | 323.9 | 5.6 | 1.7\% | 323.1 | 6.4 | 1.9\% | 321.5 | 8.0 | 2.4\% | 319.9 | 9.5 | 2.9\% | 318.3 | 11.1 | 3.4\% | 316.8 | 12.7 | 3.9\% |
| me1 | 485942 | 2010 | Below Normal | October | Used in Summary Table Analysis | 973.2 | 969.2 | 4.0 | 0.4\% | 968.6 | 4.6 | 0.5\% | 967.5 | 5.7 | 0.6\% | 966.3 | 6.9 | 0.7\% | 965.2 | 8.0 | 0.8\% | 964.0 | 9.2 | 0.9\% |
| ME1 | 485942 | 2010 | Below Normal | November | Used in Summary Table Analysis | 2,112.2 | 2,109.3 | 2.9 | 0.1\% | 2,108.8 | 3.4 | 0.2\% | 2,108.0 | 4.2 | 0.2\% | 2,107.2 | 5.0 | 0.2\% | 2,106.4 | 5.8 | 0.3\% | 2,105.6 | ${ }^{6.6}$ | 0.3\% |
| ME1 | 485942 | 2010 | Below Normal | December |  | 5,849.7 | 5,847.2 | 2.4 | 0.0\% | 5,846.9 | 2.8 | 0.0\% | 5,846.2 | 3.5 | 0.1\% | 5,845.5 | 4.2 | 0.1\% | $5,844.8$ | 4.9 | 0.1\% | 5,844.1 | 5.6 | 0.1\% |
| ME1 | 485942 48594 | 2010 | Below Normal | January | - | $17,463.0$ 153970 | $17,460.6$ 159397 | $\begin{array}{r}2.3 \\ \hline 23\end{array}$ | ${ }^{0.0 \%}$ | $17,459.5$ 15,397 | 3.5 <br> 23 | 0.0\% | $17,459.5$ 15,393 | 3.5 3 | 0.0\% | 17,458.3 <br> 15,3924 <br> 12,597 | 4.6 4.6 | 0.0\% | $17,458.3$ 15,324 126097 | 4.6 | 0.0\% | $17,457.2$ 15,3912 | 5.8 58 | 0.0\% |
| ME1 | 485942 485942 | 2010 2010 | Below Normal Below Normal | February March | $\stackrel{-}{-}$ | $15,397.0$ $12,664.4$ | $15,394.7$ $12,662.0$ | $\begin{aligned} & 2.3 \\ & 2.3 \end{aligned}$ | $0.0 \%$ $0.0 \%$ | $15,394.7$ $12,660.9$ | 2.3 3.5 | $0.0 \%$ $0.0 \%$ | $15,393.5$ $12,660.9$ | 3.5 3.5 | $0.0 \%$ $0.0 \%$ | $15,392.4$ $12,659.7$ | 4.6 4.6 | 0.0\% $0.0 \%$ | $15,392.4$ $12,659.7$ | 4.6 4.6 | -0.0\% | $15,391.2$ 12,658.6 | 5.8 5.8 | - |
| me1 | 485942 | 2010 | Below Normal | April | -- | 16,857.6 | 16,855.3 | 2.3 | 0.0\% | 16,855.3 | 2.3 | 0.0\% | 16,854.2 | 3.5 | 0.0\% | 16,854.2 | 3.5 | 0.0\% | 16,853.0 | 4.6 | 0.0\% | 16,851.9 | 5.8 | 0.0\% |
| me1 | 485942 | 2010 | Below Normal | May | - | 13,597.2 | 13,592.6 | 4.6 | 0.0\% | 13,592.6 | 4.6 | 0.0\% | 13,591.4 | 5.8 | 0.0\% | 13,590.3 | 6.9 | 0.1\% | 13,589.1 | 8.1 | 0.1\% | 13,588.0 | 9.3 | 0.1\% |
| ME1 | 485942 | 2010 | Below Normal | June | -- | 5,529.2 | 5,521.3 | 7.9 | 0.1\% | 5,520.3 | 8.9 | 0.2\% | 5,517.9 | 11.2 | 0.2\% | 5,515.7 | 13.4 | 0.2\% | 5,513.5 | 15.6 | 0.3\% | 5,511.3 | 17.8 | 0.3\% |
| ME1 | 485942 | 2010 | Below Normal | July | - | 1,355.6 | 1,348.1 | 7.4 | 0.5\% | 1,347.1 | 8.4 | 0.6\% | 1,345.0 | 10.5 | 0.8\% | 1,342.9 | 12.6 | 0.9\% | 1,340.9 | 14.7 | 1.1\% | 1,338.8 | 16.8 | 1.2\% |
| me1 | 485942 | 2010 | Below Normal | August | -- | 485.5 | 479.4 | 6.1 | 1.3\% | 478.5 | 7.0 | 1.4\% | 476.7 | 8.8 | 1.8\% | 475.0 | 10.5 | 2.2\% | 473.3 | 12.2 | 2.5\% | 471.5 | 13.9 | 2.9\% |
| ME1 | $\begin{array}{r}485942 \\ \hline 8592\end{array}$ | 2010 | Below Normal | September | Used in Summary Table Analysis | 312.0 | 307.0 | 5.0 | 1.6\% | 306.3 | 5.7 | 1.8\% | 304.9 | 7.2 | 2.3\% | 303.4 | 8.6 | 2.8\% | 302.0 23264 | 10.0 | 3.2\% | 300.6 | 11.4 | 3.7\% |
| ME1 | 485942 | 2011 | Wet | October | Used in Summary Table Analysis | 2,333.4 | 2,329.9 | 3.6 | 0.2\% | 2,389.4 | 4.1 | 0.2\% | 2,388.4 | 5.1 | 0.2\% | 2,387.4 | 6.0 | 0.3\% | 2,386.4 | 7.1 | 0.3\% | 2,325.5 | 8.0 | 0.3\% |
| ME1 | 485942 485942 | 2011 | Wet | November | Used in Summary Table Analysis | $7,879.3$ <br> 15.5069 <br> 10.57 .5 | $7,876.6$ 155046 10 | 2.7 <br> 2. | 0.0\% | $7,876.3$ 150.54. 1, | 3.0 <br> 2 | 0.0\% | $7,875.6$ 15.505 | 3.7 3 | 0.0\% | $7,874.8$ 15953 1,535 | 4.5 3 | 0.1\% | 7.874 .1 15023 1,593, | 5.2 | 0.1\% | $7,873.3$ 155023 10.52 .4 | ${ }_{6}^{6.0}$ | ${ }^{0.1 \%}$ |
| ME 1 ME1 | 485942 485942 | 2011 2011 | Wet Wet | December January | - | $15,505.9$ $10,557.5$ | $15,504.6$ $10,55.3$ | 2.3 2.2 | 0.0\% | $15,504.6$ $10,555.0$ | 2.3 2.5 | 0.0\% $0.0 \%$ | $15,503.5$ $10,54.4$ | 3.5 3.1 | 0.0\% | $15,503.5$ $10,553.7$ | 3.5 3.8 | 0.0\% | 15,502.3 $10,553.1$ | 4.6 4.4 | 0.0\% | $15,502.3$ $10,552.4$ | 4.6 5.1 | 0.0\% |
| me1 | 485942 | 2011 | wet | February | -- | 9,919.1 | 9,916.9 | 2.2 | 0.0\% | 9,916.7 | 2.4 | 0.0\% | 9,916.0 | 3.1 | 0.0\% | 9,915.4 | 3.7 | 0.0\% | 9,914.7 | 4.4 | 0.0\% | 9,914.1 | 5.0 | 0.1\% |
| me1 | 485942 | 2011 | Wet | March | -- | 22,85.3 | 22,853.0 | 2.3 | 0.0\% | 22,853.0 | 2.3 | 0.0\% | 22,851.9 | 3.5 | 0.0\% | 22,851.9 | 3.5 | 0.0\% | 22,850.7 | 4.6 | 0.0\% | 22,850.7 | 4.6 | 0.0\% |
| ME1 | 485942 | 2011 | Wet | April | - | 13,56.0 | 13,563.7 | 2.3 | 0.0\% | 13,563.7 | 2.3 | 0.0\% | 13,563.7 | 2.3 | 0.0\% | 13,562.5 | 3.5 | 0.0\% | 13,561.3 | 4.6 | 0.0\% | 13,561.3 | 4.6 | 0.0\% |
| ME1 | 485942 | 2011 | Wet | May | - | 6,486.5 | 6,482.2 | 4.3 | 0.1\% | 6,481.6 | 4.9 | 0.1\% | 6,480.3 | 6.1 | 0.1\% | 6,479.2 | 7.3 | 0.1\% | 6,477.9 | 8.6 | 0.1\% | 6,476.7 | 9.7 | 0.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interes | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (ffs) | 75\% Pumping Increas |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (fss) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference |
| me1 | 485942 | 2011 | Wet |  | June | - | 3,888.4 | 3,830.6 | 7.9 | 0.2\% | 3,829.5 | 8.9 | 0.2\% | 3,827.3 | 11.1 | 0.3\% | 3,825.1 | 13.3 | 0.3\% | 3,822.9 | 15.5 | 0.4\% | 3,820.7 | 17.7 | 0.5\% |
| ME1 | 485942 | 2011 | Wet | July | - | 1,607.1 | 1,599.7 | 7.4 | 0.5\% | 1,598.6 | 8.4 | 0.5\% | 1,596.5 | 10.5 | 0.7\% | 1,594.3 | 12.7 | 0.8\% | 1,592.2 | 14.8 | 0.9\% | 1,590.2 | 16.9 | 1.1\% |
| ME1 | 485942 | 2011 | Wet | August | -- | 697.9 | 691.7 | 6.2 | 0.9\% | 690.8 | 7.1 | 1.0\% | 689.0 | 8.9 | 1.3\% | 687.3 | 10.6 | 1.5\% | 685.5 | 12.4 | 1.8\% | 683.7 | 14.1 | 2.0\% |
| ME1 | 485942 | 2011 | Wet | September | Used in Summary Table Analysis | 364.6 | 359.3 | 5.3 | 1.5\% | 358.6 | 6.0 | 1.7\% | 357.0 | 7.6 | 2.1\% | 355.5 | 9.1 | 2.5\% | 354.0 | 10.6 | 2.9\% | 352.5 | 12.1 | 3.3\% |
| me1 | 485942 | 2012 | Below Normal | October | Used in Summary Table Analysis | 937.1 | 933.4 | 3.7 | 0.4\% | 932.9 | 4.2 | 0.5\% | 931.8 | 5.3 | 0.6\% | 930.7 | 6.4 | 0.7\% | 929.7 | 7.5 | 0.8\% | 928.6 | 8.5 | 0.9\% |
| ME1 | 485942 | 2012 | Below Normal | November | Used in Summary Table Analysis | 3,262.0 | 3,259.3 | 2.8 | 0.1\% | 3,258.9 | 3.1 | 0.1\% | 3,258.1 | 3.9 | 0.1\% | 3,257.3 | 4.7 | 0.1\% | 3,256.5 | 5.6 | 0.2\% | 3,255.7 | 6.4 | 0.2\% |
| ME1 | 485942 | 2012 | Below Normal | December - |  | 3,152.4 | 3,149.9 | 2.5 | 0.1\% | 3,149.5 | 2.9 | 0.1\% | 3,148.8 | 3.6 | 0.1\% | 3,148.1 | 4.3 | 0.1\% | 3,147.5 | 5.0 | 0.2\% | 3,146.8 | 5.7 | 0.2\% |
| ME1 | 485942 | 2012 | Below Normal | January | -- | 8,226.9 | 8,224.4 | 2.4 | 0.0\% | 8,224.2 | 2.7 | 0.0\% | 8,223.5 | 3.4 | 0.0\% | 8,222.8 | 4.1 | 0.0\% | 8,222.1 | 4.7 | 0.1\% | 8,221.4 | 5.4 | 0.1\% |
| ME1 | 485942 | 2012 | Below Normal | February | - | 11,417.8 | 11,415.5 | 2.3 | 0.0\% | 11,415.2 | 2.7 | 0.0\% | 11,414.6 | 3.2 | 0.0\% | 11,413.9 | 3.9 | 0.0\% | ${ }^{11,413,3}$ | 4.5 | 0.0\% | $111,412.6$ | 5.2 | 0.0\% |
| me1 | 485942 | 2012 | Below Normal | March | -- | 19,726.9 | 19,724.5 | 2.3 | 0.0\% | 19,724.5 | 2.3 | 0.0\% | 19,723.4 | 3.5 | 0.0\% | 19,723.4 | 3.5 | 0.0\% | 19,72.2 | 4.6 | 0.0\% | 19,721.1 | 5.8 | 0.0\% |
| me1 | 485942 | 2012 | Below Normal | April | - | 14,141.2 | 14,138.9 | 2.3 | 0.0\% | 14,137.7 | 3.5 | 0.0\% | 14,137.7 | 3.5 | 0.0\% | 14,136.6 | 4.6 | 0.0\% | 14,136.6 | 4.6 | 0.0\% | 14,135.4 | 5.8 | 0.0\% |
| ME1 | 485942 | 2012 | Below Normal | May | - | 5,384.5 | 5,380.3 | 4.2 | 0.1\% | 5,379.7 | 4.7 | 0.1\% | 5,378.5 | 6.0 | 0.1\% | 5,377.3 | 7.2 | 0.1\% | 5,376.0 | 8.4 | 0.2\% | 5,374.9 | 9.6 | 0.2\% |
| ME1 | 485942 | 2012 | Below Normal | June | - | 2,398.5 | 2,390.4 | 8.1 | 0.3\% | 2,389.4 | 9.1 | 0.4\% | 2,387.0 | 11.5 | 0.5\% | 2,384.7 | 13.8 | 0.6\% | 2,382.5 | 16.0 | 0.7\% | 2,380.2 | 18.3 | 0.8\% |
| ME1 | 485942 | 2012 | Below Normal | July | - | 1,095.7 | 1,088.7 | 7.0 | 0.6\% | 1,087.7 | 8.0 | 0.7\% | 1,085.7 | 10.0 | 0.9\% | 1,083.7 | 12.0 | 1.1\% | 1,081.7 | 14.0 | 1.3\% | 1,079.7 | 16.0 | 1.5\% |
| me1 | 485942 | 2012 | Below Normal | August | -- | 307.0 | 301.5 | 5.6 | 1.8\% | 300.7 | 6.3 | 2.1\% | 299.1 | 7.9 | 2.6\% | 297.5 | 9.5 | 3.1\% | 295.9 | 11.1 | 3.6\% | 294.4 | 12.7 | 4.1\% |
| me1 | 485942 | 2012 | Below Normal | September | Used in Summary Table Analysis | 177.2 | 172.6 | 4.6 | 2.6\% | 172.0 | 5.3 | 3.0\% | 170.7 | 6.6 | 3.7\% | 169.4 | 7.9 | 4.4\% | 168.0 | 9.2 | 5.2\% | 166.7 | 10.5 | 5.9\% |
| ME1 | 485942 | 2013 | Below Normal | October | Used in Summary Table Analysis | 383.0 | 379.5 | 3.5 | 0.9\% | 379.0 | 4.0 | 1.0\% | 378.0 | 5.0 | 1.3\% | 377.0 | 6.0 | 1.6\% | 375.9 | 7.0 | 1.8\% | 374.9 | 8.0 | 2.1\% |
| ME1 | 485942 | 2013 | Below Normal | November | Used in Summary Table Analysis | 4,894.1 | 4,891.6 | 2.5 | 0.1\% | 4,891.2 | 2.9 | 0.1\% | 4,890.4 | 3.7 | 0.1\% | 4,889.7 | 4.4 | 0.1\% | 4,888.9 | 5.2 | 0.1\% | 4,888.2 | 5.9 | 0.1\% |
| ME1 | 485942 | 2013 | Below Normal | December |  | 27,238.4 | 27,236.1 | 2.3 | 0.0\% | 27,236.1 | 2.3 | 0.0\% | 27,235.0 | 3.5 | 0.0\% | 27,233.8 | 4.6 | 0.0\% | 27,233,8 | 4.6 | 0.0\% | 27,232.6 | 5.8 | 0.0\% |
| me1 | 485942 | 2013 | Below Normal | January | -- | 17,191.0 | 17,188.7 | 2.3 | 0.0\% | 17,188.7 | 2.3 | 0.0\% | 17,187.5 | 3.5 | 0.0\% | 17,187.5 | 3.5 | 0.0\% | 17,186.3 | 4.6 | 0.0\% | 17,185.2 | 5.8 | 0.0\% |
| me1 | 485942 | 2013 | Below Normal | February | -- | 5,990.4 | 5,688.1 | 2.3 | 0.0\% | 5,687.7 | 2.7 | 0.0\% | 5,687.0 | 3.4 | 0.1\% | 5,686.5 | 3.9 | 0.1\% | 5,685.8 | 4.6 | 0.1\% | 5,685.1 | 5.3 | 0.1\% |
| me1 | 485942 | 2013 | Below Normal | March | -- | 4,554.6 | 4,552.3 | 2.3 | 0.1\% | 4,552.0 | 2.7 | 0.1\% | 4,551.3 | 3.4 | 0.1\% | 4,550.6 | 4.1 | 0.1\% | 4,5499 | 4.7 | 0.1\% | 4,549.2 | 5.4 | 0.1\% |
| ME1 | 485942 | 2013 | Below Normal | April | -- | 3,843.3 | 3,839.4 | 3.9 | 0.1\% | 3,838.8 | 4.5 | 0.1\% | 3,837.6 | 5.7 | 0.1\% | 3,836.5 | 6.8 | 0.2\% | 3,835.4 | 7.9 | 0.2\% | 3,834.3 | 9.0 | 0.2\% |
| ME1 | 485942 | 2013 | Below Normal | May | - | 2,103.9 | 2,098.1 | 5.8 | 0.3\% | 2,097.3 | 6.6 | 0.3\% | 2,095.7 | 8.2 | 0.4\% | 2,094.1 | 9.8 | 0.5\% | 2,092.4 | 11.6 | 0.6\% | 2,090.7 | 13.2 | 0.6\% |
| me1 | 485942 | 2013 | Below Normal | June | -- | 1,083.1 | 1,076.0 | 7.1 | 0.7\% | 1,075.0 | 8.1 | 0.7\% | 1,073.0 | 10.1 | 0.9\% | 1,071.0 | 12.1 | 1.1\% | 1,069.0 | 14.1 | 1.3\% | 1,067.0 | 16.1 | 1.5\% |
| me1 | 485942 | 2013 | Below Normal | July | -- | 643.4 | 636.0 | 7.4 | 1.1\% | 634.9 | 8.4 | 1.3\% | 632.8 | 10.5 | 1.6\% | 630.7 | 12.7 | 2.0\% | 628.6 | 14.8 | 2.3\% | 626.5 | 16.9 | 2.6\% |
| me1 | 485942 | 2013 | Below Normal | August | -- | 274.0 | 268.0 | 6.0 | 2.2\% | 267.1 | 6.9 | 2.5\% | 265.4 | 8.6 | 3.1\% | 263.7 | 10.3 | 3.8\% | 262.0 | 12.0 | 4.4\% | 260.3 | 13.7 | 5.0\% |
| ME1 | 485942 | 2013 | Below Normal | September | Used in Summary Table Analysis | 874.8 | 869.3 | 5.5 | 0.6\% | 868.5 | 6.3 | 0.7\% | 867.0 | 7.8 | 0.9\% | 865.4 | 9.4 | 1.1\% | 863.8 | 11.0 | 1.3\% | 862.2 | 12.6 | 1.4\% |
| ME1 | 485942 | 2014 | Critical | October | Used in Summary Table Analysis | 191.3 | 187.8 | 3.5 | 1.8\% | 187.3 | 4.0 | 2.1\% | 186.3 | 5.0 | 2.6\% | 185.2 | 6.0 | 3.2\% | 184.2 | 7.0 | 3.7\% | 183.2 | 8.1 | 4.2\% |
| me1 | 485942 | 2014 | Critical | November | Used in Summary Table Analysis | 353.9 | 351.2 | 2.7 | 0.8\% | 350.8 | 3.1 | 0.9\% | 350.1 | 3.8 | 1.1\% | 349.3 | 4.6 | 1.3\% | 348.5 | 5.4 | 1.5\% | 347.8 | 6.1 | 1.7\% |
| me1 | 485942 | 2014 | Critical | December |  | 649.6 | 647.2 | 2.4 | 0.4\% | 646.9 | 2.8 | 0.4\% | 646.1 | 3.5 | 0.5\% | 645.5 | 4.2 | 0.6\% | 644.8 | 4.9 | 0.7\% | 644.1 | 5.6 | 0.9\% |
| ME1 | 485942 | 2014 | Critical | January | - | 963.2 | 960.9 | 2.2 | 0.2\% | 960.6 | 2.6 | 0.3\% | 960.0 | 3.2 | 0.3\% | 959.3 | 3.9 | 0.4\% | 958.7 | 4.5 | 0.5\% | 958.0 | 5.2 | 0.5\% |
| ME1 | 485942 | 2014 | Critical | February | -- | 5,726.6 | 5,724.5 | 2.1 | 0.0\% | 5,724.2 | 2.4 | 0.0\% | 5,723.6 | 3.0 | 0.1\% | 5,723.0 | 3.6 | 0.1\% | 5,722.5 | 4.2 | 0.1\% | 5,721.8 | 4.9 | 0.1\% |
| ME1 | 485942 | 2014 | Critical | March | - | 16,438.7 | 16,436.3 | 2.3 | 0.0\% | 16,436.3 | 2.3 | 0.0\% | 16,436.3 | 2.3 | 0.0\% | 16,435.2 | 3.5 | 0.0\% | 16,434.0 | 4.6 | 0.0\% | 16,434.0 | 4.6 | 0.0\% |
| ME1 | 485942 | 2014 | Critical | April |  | 9,298.5 | 9,294.7 | 3.8 | 0.0\% | 9,294.1 | 4.4 | 0.0\% | 9,293.1 | 5.4 | 0.1\% | 9,292.0 | 6.5 | 0.1\% | 9,290.9 | 7.6 | 0.1\% | 9,289.8 | 8.7 | 0.1\% |
| me1 | 485942 | 2014 | Critical | May | - | 3,299.0 | 3,293.3 | 5.7 | 0.2\% | 3,292.5 | 6.5 | 0.2\% | 3,290.9 | 8.1 | 0.2\% | 3,289.2 | 9.7 | 0.3\% | 3,287.6 | 11.3 | 0.3\% | 3,286.0 | 13.0 | 0.4\% |
| ME1 | 485942 | 2014 | Critical | June | - | 1,064.5 | 1,055.9 | 8.6 | 0.8\% | 1,054.7 | 9.8 | 0.9\% | 1,052.2 | 12.3 | 1.2\% | 1,049.8 | 14.7 | 1.4\% | 1,047.4 | 17.1 | 1.6\% | 1,045.0 | 19.5 | 1.8\% |
| ME1 | 485942 | 2014 | Critical | July | -- | 480.9 | 472.7 | 8.1 | 1.7\% | 471.6 | 9.3 | 1.9\% | 469.2 | 11.6 | 2.4\% | 466.9 | 13.9 | 2.9\% | 464.6 | 16.3 | 3.4\% | 462.3 | 18.6 | 3.9\% |
| ME1 | 485942 | 2014 | Critical | August | -- | 286.9 | 280.2 | 6.7 | 2.3\% | 279.2 | 7.7 | 2.7\% | 277.3 | 9.6 | 3.4\% | 275.4 | 11.6 | 4.0\% | 273.4 | 13.5 | 4.7\% | 271.5 | 15.4 | 5.4\% |
| ME1 | 485942 | 2014 | Critical | September | Used in Summary Table Analysis | 437.7 | 432.3 | 5.5 | 1.3\% | 431.5 | 6.3 | 1.4\% | 429.9 | 7.8 | 1.8\% | 428.3 | 9.4 | 2.1\% | 426.8 | 11.0 | 2.5\% | 425.2 | 12.6 | 2.9\% |
| me1 | 485942 | 2015 | Dry | October | Used in Summary Table Analysis | 2,948.5 | 2,944.6 | 3.9 | 0.1\% | 2,944.1 | 4.4 | 0.1\% | 2,942.9 | 5.6 | 0.2\% | 2,941.8 | 6.7 | 0.2\% | 2,940.6 | 7.9 | 0.3\% | 2,939.6 | 8.9 | 0.3\% |
| me1 | 485942 | 2015 | Dry | November | Used in Summary Table Analysis | 4,721.2 | 4,718.4 | 2.8 | 0.1\% | 4,718.1 | 3.1 | 0.1\% | 4,717.2 | 3.9 | 0.1\% | 4,716.4 | 4.7 | 0.1\% | 4,715.6 | 5.6 | 0.1\% | 4,714.8 | 6.4 | 0.1\% |
| me1 | 485942 | 2015 | Dry | December | - | 16,760.4 | 16,758.1 | 2.3 | 0.0\% | 16,758.1 | 2.3 | 0.0\% | 16,756.9 | 3.5 | 0.0\% | 16,756.9 | 3.5 | 0.0\% | 16,75.8 | 4.6 | 0.0\% | 16,755.8 | 4.6 | 0.0\% |
| me1 | 485942 | 2015 | Dry | January | - | 12,089.1 | 12,086.8 | 2.3 | 0.0\% | 12,085.6 | 3.5 | 0.0\% | 12,085.6 | 3.5 | 0.0\% | 12,084.5 | 4.6 | 0.0\% | 12,084.5 | 4.6 | 0.0\% | 12,083.3 | 5.8 | 0.0\% |
| ME1 | 485942 | 2015 | Dry | February | - | 11,914.4 | 11,913.2 | 1.2 | 0.0\% | 11,912.0 | 2.3 | 0.0\% | 11,912.0 | 2.3 | 0.0\% | 11,910.9 | 3.5 | 0.0\% | 11,910.9 | 3.5 | 0.0\% | 11,909.7 | 4.6 | 0.0\% |
| me1 | 485942 | 2015 | Dry | March | -- | 7,366.3 | 7,364.2 | 2.1 | 0.0\% | 7,363.9 | 2.4 | 0.0\% | 7,363.3 | 3.0 | 0.0\% | 7,362.7 | 3.6 | 0.0\% | 7,362.2 | 4.2 | 0.1\% | 7,361.6 | 4.7 | 0.1\% |
| me1 | 485942 | 2015 | Dry | April | - | 3,743.2 | 3,739.5 | 3.7 | 0.1\% | 3,738.9 | 4.3 | 0.1\% | 3,737.8 | 5.3 | 0.1\% | 3,736.8 | 6.4 | 0.2\% | 3,735.8 | 7.4 | 0.2\% | 3,734.7 | 8.4 | 0.2\% |
| me1 | 485942 | 2015 | Dry | May | -- | 1,363.3 | 1,357.6 | 5.7 | 0.4\% | 1,356.9 | 6.4 | 0.5\% | 1,355.3 | 8.0 | 0.6\% | 1,353.7 | 9.6 | 0.7\% | 1,352.1 | 11.2 | 0.8\% | 1,350.6 | 12.7 | 0.9\% |
| ME1 | 485942 | 2015 | Dry | June | -- | 470.7 | 462.5 | 8.2 | 1.7\% | 461.4 | 9.4 | 2.0\% | 459.1 | 11.7 | 2.5\% | 456.8 | 13.9 | 3.0\% | 454.5 | 16.2 | 3.7\% | ${ }^{452.2}$ | 18.5 | 3.9\% |
| ME1 | 485942 | 2015 | Dry | July | - | 208.0 | 200.0 | 8.0 | 3.9\% | 198.9 | 9.2 | 4.4\% | 199.6 | 11.4 | 5.5\% | 194.3 | 13.7 | 6.6\% | 192.0 | 16.0 | 7.7\% | 189.7 | 18.3 | 8.8\% |
| me1 | 485942 | 2015 | Dry | August | -- | 108.6 | 101.9 | 6.8 | 6.2\% | 100.9 | 7.8 | 7.1\% | 99.0 | 9.7 | 8.9\% | 97.0 | 11.6 | 10.7\% | 95.1 | 13.6 | 12.5\% | 93.1 | 15.5 | 14.3\% |
| me1 | 485942 | 2015 | Dry | September | Used in Summary Table Analysis | 66.3 | 60.7 | 5.6 | 8.4\% | 59.9 | 6.4 | 9.6\% | 58.3 | 7.9 | 12.\% | 56.7 | 9.5 | 14.4\% | 55.1 | 11.1 | 16.8\% | 53.5 | 12.7 | 19.2\% |
| me1 | 485942 | 2016 | Above Normal | October | Used in Summary Table Analysis | 40.4 | 36.5 | 3.9 | 9.6\% | 36.0 | 4.4 | 10.9\% | 34.9 | 5.5 | 13.7\% | 33.7 | 6.6 | 16.4\% | 32.6 | 7.7 | 19.2\% | 31.5 | 8.9 | 22.0\% |
| me1 | 485942 | 2016 | Above Normal | November | Used in Summary Table Analysis | 750.2 | 747.4 | 2.9 | 0.4\% | 747.0 | 3.3 | 0.4\% | 746.1 | 4.1 | 0.5\% | 745.3 | 4.9 | 0.7\% | 744.5 | 5.8 | 0.8\% | 743.6 | 6.6 | 0.9\% |
| ME1 | 485942 | 2016 | Above Normal | December |  | 16,076.4 | 16,074.1 | 2.3 | 0.0\% | 16,074.1 | 2.3 | 0.0\% | 16,072.9 | 3.5 | 0.0\% | 16,072.9 | 3.5 | 0.0\% | 16,071.8 | 4.6 | 0.0\% | 16,070.6 | 5.8 | 0.0\% |
| ME1 | 485942 | 2016 | Above Normal | January | -- | 35,657.4 | 35,655.1 | 2.3 | 0.0\% | 35,655.1 | 2.3 | 0.0\% | 35,653.9 | 3.5 | 0.0\% | 35,652.8 | 4.6 | 0.0\% | 35,652.8 | 4.6 | 0.0\% | 35,651.6 | 5.8 | 0.0\% |
| ME1 | 485942 | 2016 | Above Normal | February | - | 18,644.7 | 18,642.4 | 2.3 | 0.0\% | 18,641.2 | 3.5 | 0.0\% | 18,641.2 | 3.5 | 0.0\% | 18,640.0 | 4.6 | 0.0\% | 18,640.0 | 4.6 | 0.0\% | 18,638.9 | 5.8 | 0.0\% |
| me1 | 485942 | 2016 | Above Normal | March | - | 21,141.2 | 21,138.9 | 2.3 | 0.0\% | 21,138.9 | 2.3 | 0.0\% | 21,137.7 | 3.5 | 0.0\% | 21,137.7 | 3.5 | 0.0\% | 21,136.6 | 4.6 | 0.0\% | 21,136.6 | 4.6 | 0.0\% |
| ME1 | 485942 | 2016 | Above Normal | April | - | 12,746.5 | 12,745.4 | 1.2 | 0.0\% | 12,744.2 | 2.3 | 0.0\% | 12,744.2 | 2.3 | 0.0\% | 12,743.1 | 3.5 | 0.0\% | 12,743.1 | 3.5 | 0.0\% | 12,741.9 | 4.6 | 0.0\% |
| ME1 | 485942 | 2016 | Above Normal | May | - | 3,929.9 | 3,927.0 | 2.9 | 0.1\% | 3,926.5 | 3.4 | 0.1\% | 3,925.7 | 4.2 | 0.1\% | 3,924.9 | 5.0 | 0.1\% | 3,924.1 | 5.8 | 0.1\% | 3,923.3 | 6.6 | 0.2\% |
| ME1 | 485942 48594 | 2016 | Above Normal | June | $\cdots$ | $1,416.8$ 788.9 | ${ }^{1,410102}$ | ${ }^{6.6}$ | 0.5\% | $1,409.3$ 7006 | 7.5 88 | ${ }^{0.5 \%}$ | $1,407.4$ 738.6 | 9.4 | 0.7\% | 1,4055 7365 | 11.2 | 0.8\% | $1,403.7$ 734.4 | 13.1 <br> 14.5 <br> 12.5 | 0.9\% | ${ }^{1,402.0}$ | 14.8 | ${ }_{\text {1.0\% }}^{1.0 \%}$ |
| ME1 | 485942 | 2016 | Above Normal | July | - | 748.9 | 741.7 | 7.3 | ${ }_{\text {1.0\% }}^{1.5 \%}$ | 740.6 4183 | 8.3 | ${ }_{1}^{1.1 \%}$ | 738.6 4165 | 10.4 | 1.4\% | 736.5 414 | 12.4 109 | ${ }^{1.7 \%}$ | 734.4 4129 | 14.5 | 1.9\% | 732.4 | 16.5 | ${ }_{3}^{2.2 \%}$ |
| ME1 | 485942 485942 | 2016 2016 | Above Normal Above Normal | August | YTab | 425.6 266.6 | 419.2 261.4 | ¢ 5.2 | 1.5\%\% 2.0\% | 418.3 260.6 | ${ }_{5}^{7.2}$ | 2.2\% | ${ }_{259.1}^{416.5}$ | 9.4.4 | ${ }_{\text {2.8\% }}^{2.1 \%}$ | ${ }_{257.7}^{414.7}$ | 10.9 8.9 | ${ }_{\text {2.3\% }}$ | ${ }_{256.2}$ | 12.7 10.4 | 3.9\% | ${ }_{254.7}^{41.1}$ | 14.5 11.9 | 3.4\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  | (Row, Column, Surface Water Reach) | Water Year Water Year Type |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Month | Note | Without <br> Pumping <br> (cfs) | Flow (ffs) | $\underset{\substack{\text { Differencere } \\ \text { (cfss }}}{\text { Cone }}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Diffow } \\ & \text { Difference } \end{aligned}$ (ffs) | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Diflow } \\ \begin{array}{c} \text { Diference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (ffs) | $\begin{gathered} \begin{array}{c} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| ME1 | 485942 | 2017 | Wet | October | Used in Summary Table Analysis | 5,119.6 | 5,116.2 | 3.4 | 0.1\% | 5,115.7 | 3.8 | 0.1\% | 5,114.7 | 4.9 | 0.1\% | 5,113.8 | 5.8 | 0.1\% | 5,112.8 | 6.7 | 0.1\% | 5,111.8 | 7.8 | 0.2\% |
| ME1 | 48592 | 2017 | Wet | November | Used in Summary Table Analysis | 11,107.6 | 11,105.1 | 2.5 | 0.0\% | 11,104.7 | 2.9 | 0.0\% | 11,104.1 | 3.6 | 0.0\% | 11,103.4 | 4.3 | 0.0\% | 11,102.7 | 5.0 | 0.0\% | 11,101.9 | 5.8 | 0.1\% |
| ME1 | 485942 | 2017 | Wet | December - |  | 14,188.7 | 14,186.3 | 2.3 | 0.0\% | 14,186.3 | 2.3 | 0.0\% | 14,185.2 | 3.5 | 0.0\% | 14,185.2 | 3.5 | 0.0\% | 14,184.0 | 4.6 | 0.0\% | 14,184.0 | 4.6 | 0.0\% |
| ME1 | 485942 | 2017 | Wet | January | -- | 70,483.8 | 70,481.5 | 2.3 | 0.0\% | 70,481.5 | 2.3 | 0.0\% | 70,480.3 | 3.5 | 0.0\% | 70,480.3 | 3.5 | 0.0\% | 70,479.2 | 4.6 | 0.0\% | 70,478.0 | 5.8 | 0.0\% |
| ME1 | 485942 | 2017 | wet | February | -- | 47,223.4 | 47,221.1 | 2.3 | 0.0\% | 47,219.9 | 3.5 | 0.0\% | 47,219.9 | 3.5 | 0.0\% | 47,218.8 | 4.6 | 0.0\% | 47,218.8 | 4.6 | 0.0\% | 47,217.6 | 5.8 | 0.0\% |
| ME1 | 48592 | 2017 | Wet | March | - | 20,575.2 | 20,572.9 | 2.3 | 0.0\% | 20,572.9 | 2.3 | 0.0\% | 20,572.9 | 2.3 | 0.0\% | 20,571.8 | 3.5 | 0.0\% | 20,570.6 | 4.6 | 0.0\% | 20,50.6 | 4.6 | 0.0\% |
| ME1 | 48592 | 2017 | Wet | April | - | 14,496.5 | 14,494.2 | 2.3 | 0.0\% | 14,493.1 | 3.5 | 0.0\% | 14,493.1 | 3.5 | 0.0\% | 14,491.9 | 4.6 | 0.0\% | 14,491.9 | 4.6 | 0.0\% | 14,490.7 | 5.8 | 0.0\% |
| ME1 | 485942 | 2017 | Wet | May | - | 6,069.6 | 6,066.4 | 3.1 | 0.1\% | 6,066.0 | 3.6 | 0.1\% | 6,065.0 | 4.5 | 0.1\% | 6,064.1 | 5.4 | 0.1\% | 6,063.2 | 6.4 | 0.1\% | 6,062.3 | 7.3 | 0.1\% |
| ME1 | 485942 | 2017 | Wet | June | - | 1,903.5 | 1,897.0 | 6.5 | 0.3\% | 1,896.1 | 7.4 | 0.4\% | 1,894.3 | 9.1 | 0.5\% | 1,892.5 | 11.0 | 0.6\% | 1,890.6 | 12.8 | 0.7\% | 1,888.9 | 14.6 | 0.8\% |
| ME1 | 485942 | 2017 | Wet | July | - | 859.1 | 851.7 | 7.5 | 0.9\% | 850.6 | 8.6 | 1.0\% | 848.4 | 10.7 | 1.2\% | 846.3 | 12.8 | 1.5\% | 844.2 | 14.9 | 1.7\% | 842.1 | 17.1 | 2.0\% |
| ME1 | 485942 | 2017 | Wet | August | -- | 436.1 | 429.7 | 6.4 | 1.5\% | 428.8 | 7.3 | 1.7\% | 427.0 | 9.1 | 2.1\% | 425.2 | 11.0 | 2.5\% | 423.3 | 12.8 | 2.9\% | 421.5 | 14.6 | 3.3\% |
| ME1 | 48592 | 2017 | Wet | September | Used in Summary Table Analysis | 260.1 | 255.1 | 5.0 | 1.9\% | 254.4 | 5.7 | 2.2\% | 253.0 | 7.2 | 2.8\% | 251.5 | 8.6 | 3.3\% | 250.1 | 10.0 | 3.9\% | 248.7 | 11.4 | 4.4\% |
| ME1 | 48592 | 2018 | Above Normal | October | Used in Summary Table Analysis | 204.5 | 200.8 | 3.7 | 1.8\% | 200.3 | 4.2 | 2.1\% | 199.2 | 5.2 | 2.6\% | 198.2 | 6.3 | 3.1\% | 197.1 | 7.3 | 3.6\% | 196.1 | 8.4 | 4.1\% |
| ME1 | 485942 | 2018 | Above Normal | November | Used in Summary Table Analysis | 3,327.1 | 3,324.4 | 2.7 | 0.1\% | 3,324.1 | 3.0 | 0.1\% | 3,323.3 | 3.8 | 0.1\% | 3,322.6 | 4.5 | 0.1\% | 3,321.8 | 5.3 | 0.2\% | 3,321.1 | 6.0 | 0.2\% |
| ME1 | 48592 | 2018 | Above Normal | December - |  | 4,802.0 | 4,799.7 | 2.3 | 0.0\% | 4,799.4 | 2.5 | 0.1\% | 4,798.7 | 3.2 | 0.1\% | 4,798.0 | 3.9 | 0.1\% | 4,797.5 | 4.5 | 0.1\% | 4,796.8 | 5.2 | 0.1\% |
| ME1 | 48592 | 2018 | Above Normal | January | -- | 8,196.1 | 8,194.0 | 2.1 | 0.0\% | 8,193.6 | 2.4 | 0.0\% | 8,193.1 | 3.0 | 0.0\% | 8,92.4 | 3.7 | 0.0\% | 8,191.8 | 4.3 | 0.1\% | 8,191.2 | 4.9 | 0.1\% |
| ME1 | 48592 | 2018 | Above Normal | February |  | 6,842.5 | 6,840.4 | 2.1 | 0.0\% | 6,840.2 | 2.3 | 0.0\% | 6,839.6 | 2.9 | 0.0\% | 6,839.0 | 3.5 | 0.1\% | 6,838.3 | 4.2 | 0.1\% | 6,837.7 | 4.7 | 0.1\% |
| ME1 | 48592 | 2018 | Above Normal | March | - | 10,756.9 | 10,755.0 | 2.0 | 0.0\% | 10,754.6 | 2.3 | 0.0\% | 10,754.1 | 2.9 | 0.0\% | 10,753.5 | 3.5 | 0.0\% | 10,752.9 | 4.1 | 0.0\% | 10,752.3 | 4.6 | 0.0\% |
| ME1 | 485942 | 2018 | Above Normal | April | - | 14,372.7 | 14,370.4 | 2.3 | 0.0\% | 14,370.4 | 2.3 | 0.0\% | 14,369.2 | 3.5 | 0.0\% | 14,369.2 | 3.5 | 0.0\% | 14,368.1 | 4.6 | 0.0\% | 14,368.1 | 4.6 | 0.0\% |
| ME1 | 48592 | 2018 | Above Normal | May | - | 6,248.8 | 6,245.0 | 3.8 | 0.1\% | 6,244.4 | 4.4 | 0.1\% | 6,243.3 | 5.6 | 0.1\% | 6,242.1 | 6.7 | 0.1\% | 6,241.1 | 7.8 | 0.1\% | 6,239.9 | 8.9 | 0.1\% |
| me 1 | 48592 | 2018 | Above Normal | June | - | 1,836.6 | 1,829.1 | 7.5 | 0.4\% | 1,828.0 | 8.6 | 0.5\% | 1,825.8 | 10.8 | 0.6\% | 1,823.7 | 12.8 | 0.7\% | 1,821.5 | 15.0 | 0.8\% | 1,819.4 | 17.1 | 0.9\% |
| ME1 | 48592 | 2018 | Above Normal | July | - | 712.4 | 705.0 | 7.3 | 1.0\% | 704.0 | 8.4 | 1.2\% | 701.9 | 10.5 | 1.5\% | 699.8 | 12.6 | 1.8\% | 697.7 | 14.7 | 2.1\% | 695.6 | 16.8 | 2.4\% |
| ME1 | 485942 | 2018 | Above Normal | August | -- | 377.6 | 371.6 | 6.0 | 1.6\% | 370.8 | 6.8 | 1.8\% | 369.0 | 8.5 | 2.3\% | 367.3 | 10.2 | 2.7\% | 365.6 | 11.9 | 3.2\% | 363.9 | 13.7 | 3.6\% |
| ME1 | 485942 | 2018 | Above Normal | September | Used in Summary Table Analysis | 242.6 | 237.5 | 5.0 | 2.1\% | 236.8 | 5.7 | 2.4\% | 235.4 | 7.2 | 3.0\% | 234.0 | 8.6 | 3.5\% | 232.5 | 10.0 | 4.1\% | 231.1 | 11.5 | 4.7\% |
| ME1 | 48592 | 2019 | Below Normal | October | Used in Summary Table Analysis | 138.6 | 135.3 | 3.4 | 2.4\% | 134.8 | 3.8 | 2.8\% | 133.8 | 4.8 | 3.4\% | 132.9 | 5.7 | 4.1\% | 131.9 | 6.7 | 4.8\% | 131.0 | 7.7 | 5.5\% |
| me 1 | 485942 | 2019 | Below Normal | November | Used in Summary Table Analysis | 1,844.0 | 1,841.4 | 2.5 | 0.1\% | 1,841.0 | 3.0 | 0.2\% | 1,840.3 | 3.7 | 0.2\% | 1,839.6 | 4.4 | 0.2\% | 1,838.8 | 5.2 | 0.3\% | 1,838.1 | 5.9 | 0.3\% |
| ME1 | 485942 | 2019 | Below Normal | December - |  | 7,209.6 | 7,207.4 | 2.2 | 0.0\% | 7,207.1 | 2.5 | 0.0\% | 7,206.5 | 3.1 | 0.0\% | 7,205.8 | 3.8 | 0.1\% | 7,205.2 | 4.4 | 0.1\% | 7,204.5 | 5.1 | 0.1\% |
| ME1 | 485942 | 2019 | Below Normal | January | -- | 18,292.8 | 18,291.7 | 1.2 | 0.0\% | 18,290.5 | 2.3 | 0.0\% | 18,290.5 | 2.3 | 0.0\% | 18,289.4 | 3.5 | 0.0\% | 18,289.4 | 3.5 | 0.0\% | 18,288.2 | 4.6 | 0.0\% |
| ME1 | 485942 | 2019 | Below Normal | February - | -- | 96,401.6 | 96,399.3 | 2.3 | 0.0\% | 96,399.3 | 2.3 | 0.0\% | 96,399.3 | 2.3 | 0.0\% | 96,398.1 | 3.5 | 0.0\% | 96,398.1 | 3.5 | 0.0\% | 96,397.0 | 4.6 | 0.0\% |
| ME1 | 48592 | 2019 | Below Normal | March | - | 31,516.2 | 31,515.0 | 1.2 | 0.0\% | 31,513.9 | 2.3 | 0.0\% | 31,513.9 | 2.3 | 0.0\% | 31,512.7 | 3.5 | 0.0\% | 31,512.7 | 3.5 | 0.0\% | 31,511.6 | 4.6 | 0.0\% |
| ME1 | 485942 | 2019 | Below Normal | April | - | ${ }^{11,655.1}$ | 11,652.8 | 2.3 | 0.0\% | 11,652.8 | 2.3 | 0.0\% | 11,651.6 | ${ }^{3.5}$ | 0.0\% | 11,651.6 | 3.5 | 0.0\% | 11,650.5 | 4.6 | 0.0\% | 11,650.5 | 4.6 | 0.0\% |
| ME1 | 485942 | 2019 | Below Normal | May | - | 9,765.9 | ${ }^{9,761.6}$ | 4.3 | 0.0\% | 9,760.9 | 5.0 | 0.1\% | 9,759.7 | ${ }^{6.1}$ | 0.1\% | 9,758.4 | 7.4 | ${ }^{0.1 \%}$ | 9,757.3 | 8.6 155 | 0.1\% | 9,756.0 | 9.8 | 0.1\% |
| ME1 | 485942 485942 | 2019 | Below Normal | June | -- | 4,163.0 1,2779 | 4,155.2 $1,270.5$ | 7.8 74 | 0.2\% | $4,154.1$ $1,269.4$ | 8.9 8.4 | 0.2\% | $4,151.9$ 12674 | 11.1 | 0.3\% $0.8 \%$ | $4,149.7$ <br> 1,2653 | 13.3 | - ${ }_{\text {0.3\% }}^{1.0 \%}$ | $4,147.5$ <br> 1263 | 15.5 14.7 | 0.4\% | $4,145.3$ $1,261.1$ | 17.7 | 0.4\% $1.3 \%$ |
| ME1 | 485942 | 2019 | Below Normal | September | Used in Summary Table Analysis | 320.9 | 315.9 | 4.9 | 1.5\% | 315.3 | 5.6 | 1.7\% | 313.9 | 7.0 | 2.2\% | 312.5 | 8.4 | 2.5\% | 311.1 | ${ }_{9} 9$ | 3.1\% | 309.7 | 11.2 | 3.5\% |
| ME1 | 485942 | 2020 | Dry | October | Used in Summary Table Analysis | 185.8 | 182.6 | 3.3 | 1.8\% | 188.1 | 3.7 | 2.0\% | 181.1 | 4.7 | 2.5\% | 180.2 | 5.6 | 3.0\% | 179.3 | 6.5 | 3.5\% | 178.4 | 7.5 | 4.0\% |
| me 1 | 48592 | 2020 | Dry | November | Used in Summary Table Analysis | 211.2 | 208.6 | 2.6 | 1.2\% | 208.3 | 2.9 | 1.4\% | 207.5 | 3.7 | 1.7\% | 206.8 | 4.4 | 2.1\% | 206.1 | 5.1 | 2.4\% | 205.3 | 5.9 | 2.8\% |
| ME1 | 48592 | 2020 | Dry | December - |  | 4,921.1 | 4,919.0 | 2.1 | 0.0\% | 4,918.6 | 2.4 | 0.0\% | 4,917.9 | 3.1 | 0.1\% | 4,917.4 | 3.7 | 0.1\% | 4,9916.8 | 4.3 | 0.1\% | 4,916.1 | 5.0 | 0.1\% |
| ME1 | 48592 | 2020 | Dry | January | - | 12,928.2 | 12,927.1 | 1.2 | 0.0\% | 12,925.9 | 2.3 | 0.0\% | 12,925.9 | 2.3 | 0.0\% | 12,924.8 | 3.5 | 0.0\% | 12,924.8 | 3.5 | 0.0\% | 12,923.6 | 4.6 | 0.0\% |
| ME1 | 485942 | 2020 | Dry | February | -- | 7,144.3 | 7,142.4 | 2.0 | 0.0\% | 7,142.0 | 2.3 | 0.0\% | 7,141.4 | 2.9 | 0.0\% | 7,140.9 | 3.5 | 0.0\% | 7,140.3 | 4.1 | 0.1\% | 7,139.7 | 4.6 | 0.1\% |
| ME1 | 485942 | 2020 | Dry | March |  | 4,994.1 | 4,492.2 | 1.9 | 0.0\% | 4,491.9 | 2.2 | 0.0\% | 4,491.3 | 2.8 | 0.1\% | 4,490.7 | 3.4 | 0.1\% | 4,490.2 | 3.9 | 0.1\% | 4,489.6 | 4.5 | 0.1\% |
| ME1 | 48592 | 2020 | Dry | April | - | 3,241.8 | 3,238.1 | 3.7 | 0.1\% | 3,237.6 | 4.2 | 0.1\% | 3,236.5 | 5.3 | 0.2\% | 3,235.4 | 6.4 | 0.2\% | 3,234.4 | 7.4 | 0.2\% | 3,233.3 | 8.4 | 0.3\% |
| ME1 | 485942 | 2020 | Dry | May | - | 3,483.7 | 3,478.2 | 5.4 | 0.2\% | 3,477.4 | 6.3 | 0.2\% | 3,475.8 | 7.9 | 0.2\% | 3,474.3 | 9.4 | 0.3\% | 3,472.7 | 11.0 | 0.3\% | 3,471.1 | 12.6 | 0.4\% |
| ME1 | 485942 | 2020 | Dry | June |  | 2,012.3 | 2,004.2 | 8.1 | 0.4\% | 2,003.0 | 9.3 | 0.5\% | 2,000.7 | 11.6 | 0.6\% | 1,998.4 | 13.9 | 0.7\% | 1,996.1 | 16.2 | 0.8\% | 1,993.9 | 18.4 | 0.9\% |
| me1 | 48592 | 2020 | Dry | July |  | 731.9 | 723.6 | 8.3 | 1.1\% | 722.4 | ${ }^{9.5}$ | 1.3\% | 720.0 | 11.9 | ${ }^{1.6 \%}$ | 717.7 | 14.3 | 2.0\% | 715.3 | 16.7 | 2.3\% | 712.9 | 19.1 | ${ }^{2.6 \%}$ |
| ME1 | 485942 | 2020 | Dry | August | -- | 340.2 | 333.0 | 7.2 | 2.1\% | 332.0 | 8.2 | 2.4\% | 329.9 | 10.2 | 3.0\% | 327.9 | 12.3 | 3.6\% | 325.8 | 14.4 | 4.2\% | 323.8 | 16.4 | 4.8\% |
| ME1 | 485942 47591 | 2020 2000 | Dry Above Normal | September | Used in Summary Table Analysis Used in Summary Table Analysis | 192.0 7936 | 186.1 7870 | 5.8 6.7 | $3.0 \%$ $0.8 \%$ 0.0 | 185.3 7860 | 6.7 76 | 3.5\% $1.0 \%$ 0.0 | 183.6 784. | 8.3 9 | 4.3\% | 182.0 782.2 | 10.0 | $5.2 \%$ $1.4 \%$ 1.4 | 180.3 780.3 | 11.7 13.4 | ${ }^{6.1 \%}$ | 178.6 778.4 | 13.3 15.3 | ${ }^{6.9 \%}$ |
| ME 1 ME 1 | 47591 47591 | 2000 2000 | Above Normal Above Normal | October | Used in Summary Table Analysis | 793.6 $11,782.4$ | 787.0 $11,776.6$ | 6.7 5.8 | $0.8 \%$ $0.0 \%$ | 786.0 $11,775.5$ | $\begin{aligned} & 7.6 \\ & 6.9 \end{aligned}$ | $\begin{aligned} & \text { 1.0\% } \\ & 0.1 \% \end{aligned}$ | 784.2 $11,774.3$ | $\begin{aligned} & 9.5 \\ & 8.1 \end{aligned}$ | 1.2\% | 782.2 $11,773.1$ | 11.4 9.3 | 1.4\% | 780.3 $11,772.0$ | 13.4 10.4 | 1.7\% | 778.4 $11,769.7$ | 15.3 12.7 | 1.9\% |
| ME1 | 47591 | 2000 | Above Normal | December - |  | 10,629.5 | 10,625.3 | 4.2 | 0.0\% | 10,624.8 | 4.7 | 0.0\% | 10,623.5 | 6.0 | 0.1\% | 10,622.2 | 7.3 | 0.1\% | 10,621.1 | 8.4 | 0.1\% | 10,619.8 | 9.7 | 0.1\% |
| ME1 | 47591 | 2000 | Above Normal | January |  | 28,012.7 | 28,009.3 | 3.5 | 0.0\% | 28,008.1 | 4.6 | 0.0\% | 28,008.1 | 4.6 | 0.0\% | 28,006.9 | 5.8 | 0.0\% | 28,005.8 | 6.9 | 0.0\% | 28,004.6 | 8.1 | 0.0\% |
| ME1 | 47591 | 2000 | Above Normal | February |  | 36,671.3 | 36,667.8 | 3.5 | 0.0\% | 36,667.8 | 3.5 | 0.0\% | 36,666.7 | 4.6 | 0.0\% | 36,665.5 | 5.8 | 0.0\% | 36,664.4 | 6.9 | 0.0\% | 36,63.2 | 8.1 | 0.0\% |
| ME1 | 47591 | 2000 | Above Normal | March | - | 18,199.1 | 18,195.6 | 3.5 | 0.0\% | 18,194.4 | 4.6 | 0.0\% | 18,194.4 | 4.6 | 0.0\% | 18,193.3 | 5.8 58 | 0.0\% | $18,129.1$ 12176 | 6.9 | ${ }^{0.0 \%}$ | 18,191.0 | 8.1 8.1 | 0.0\% |
| ME1 | 47591 | 2000 | Above Normal | April | - | 12,224.5 | 12,221.1 | 3.5 | 0.0\% | 12,221.1 | 3.5 | 0.0\% | 12,219.9 | ${ }^{4.6}$ | 0.0\% | 12,218.8 | 5.8 | 0.0\% | 12,217.6 | 6.9 | 0.1\% | 12,216.4 | 8.1 | 0.1\% |
| ME1 1 | 47591 | 2000 | Above Normal | May | - | 7,019.1 | 7,010.1 | 9.0 | 0.1\% | 7,008.8 | 10.3 | ${ }_{0}^{0.1 \%}$ | $7,006.3$ <br> , 5596 | 12.8 | 0.2\% | $7,003.6$ <br> , 555 | 15.5 | ${ }^{0.2 \%}$ | 7,001.0 | 18.1 28.1 | 0.3\% $1.1 \%$ | $6,988.4$ 2,547, | 20.7 32.1 | - $0.3 \%$ |
| ME1 | 47591 | 2000 | Above Normal | June |  | 2,579.7 | 2,565.6 | 14.1 | 0.5\% | 2,563.7 | 16.1 | 0.6\% | 2,559.6 | 20.1 | 0.8\% | 2,555.7 | 24.1 | 0.9\% | 2,551.6 | 28.1 | 1.1\% | 2,547.7 | 32.1 | $1.2 \%$ <br> $2.6 \%$ |
| ME1 | 47591 | 2000 | Above Normal | July | - | 975.2 50.5 | 964.1 | ${ }^{11.1}$ | ${ }^{1.1 \%}$ | 962.5 | 12.7 | 1.3\% | 959.4 | 15.8 | 1.6\% | 956.3 | 18.9 | 1.9\% | 953.2 | 22.0 | 2.3\% | 950.1 | 25.1 | $2.6 \%$ <br> $4.3 \%$ <br> 6. |
| ME 1 ME 1 | 47591 47591 | 2000 2000 | Above Normal Above Normal | August September | Used in Summary Table Analysis | 504.5 279.8 | 494.9 | 9.6 8.1 | $1.9 \%$ $2.9 \%$ | 493.5 270.5 | 11.0 9.3 | 2.2\% | 490.8 268.2 | 13.7 11.6 | 2.7\% | 488.0 265.9 | 16.4 13.9 | $3.3 \%$ $5.0 \%$ | 485.3 263.6 | 19.1 16.2 | $3.8 \%$ $5.8 \%$ | ${ }_{261.3}^{482.6}$ | 21.9 18.5 | 4.3\% |
| ME1 | 47591 | 2001 | Dry | October | Used in Summary Table Analysis | 3,734.6 | 3,728.0 | 6.6 | 0.2\% | 3,727.1 | 7.5 | 0.2\% | 3,725.2 | 9.4 | 0.3\% | 3,723.4 | 11.2 | 0.3\% | 3,721.4 | 13.2 | 0.4\% | 3,719.6 | 15.0 | 0.4\% |
| ME1 | 47591 | 2001 | Dry | November | Used in Summary Table Analysis | 5,995.5 | 5,990.5 | 5.0 | 0.1\% | 5,989.8 | 5.7 | 0.1\% | 5,988.3 | 7.2 | 0.1\% | 5,986.9 | 8.6 | 0.1\% | 5,985.5 | 10.0 | 0.2\% | 5,984.0 | 11.5 | 0.2\% |
| ME1 | 47591 | 2001 | Dry | December - |  | 8,709.3 | 8,705.1 | 4.2 | 0.0\% | 8,704.5 | 4.7 | 0.1\% | 8,703.2 | 6.0 | 0.1\% | 8,702.1 | 7.2 | 0.1\% | 8,700.8 | 8.4 | 0.1\% | $8,699.5$ | 9.7 | 0.1\% |
| ME1 | 47591 | 2001 | Dry | January |  | 12,547.5 | 12,544.0 | 3.5 | 0.0\% | 12,542.8 | 4.6 | 0.0\% | 12,541.7 | 5.8 | 0.0\% | 12,541.7 | 5.8 | 0.0\% | 12,540.5 | 6.9 | 0.1\% | 12,539.4 | 8.1 | 0.1\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  | Model Cell (Row, Column, Surface Wat Reach) | Water Year Water Year Type |  | Month | Note | Flow Without Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Flow (cfs) |  |  | Flow Difference <br> (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiflow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (ffs) | Flow Differenc Differenc (cfs) | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fiffow } \\ \begin{array}{c} \text { Differnece } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| me 1 | 47591 | 2001 | Dry |  | February | -- | 17,317.1 | 17,313.7 | 3.5 | 0.0\% | 17,312.5 | 4.6 | 0.0\% | 17,311.3 | 5.8 | 0.0\% | 17,311.3 | 5.8 | 0.0\% | 17,310,2 | 6.9 | 0.0\% | 17,309.0 | 8.1 | 0.0\% |
| ME1 | 47591 | 2001 | Dry | March |  | 12,215.3 | 12,211.8 | 3.5 | 0.0\% | 12,211.8 | 3.5 | 0.0\% | 12,210.6 | 4.6 | 0.0\% | 12,209.5 | 5.8 | 0.0\% | 12,208.3 | 6.9 | 0.1\% | 12,208.3 | 6.9 | 0.1\% |
| ME1 | 47591 | 2001 | Dry | April | - | 10,886.3 | 10,876.9 | 9.5 | 0.1\% | 10,875.6 | 10.8 | 0.1\% | 10,872.8 | 13.5 | 0.1\% | 10,870.1 | 16.2 | 0.1\% | 10,867.4 | 19.0 | 0.2\% | 10,864.7 | 21.6 | 0.2\% |
| ME1 | 47591 | 2001 | Dry | May | - | 2,631.4 | 2,620.9 | 10.4 | 0.4\% | 2,619.4 | 11.9 | 0.5\% | 2,616.4 | 14.9 | 0.6\% | 2,613.4 | 17.9 | 0.7\% | 2,610.4 | 20.9 | 0.8\% | 2,607.4 | 24.0 | 0.9\% |
| ME1 | 47591 | 2001 | Dry | June | -- | 2,592.8 | 2,577.1 | 15.7 | 0.6\% | 2,574.9 | 17.9 | 0.7\% | 2,570.5 | 22.3 | 0.9\% | 2,566.1 | 26.7 | 1.0\% | 2,561.7 | 31.1 | 1.2\% | 2,557.3 | 35.5 | 1.4\% |
| ME1 | 47591 | 2001 | Dry | July | - | 709.8 | 697.2 | 12.6 | 1.8\% | 695.4 | 14.4 | 2.0\% | 691.8 | 18.0 | 2.5\% | 688.3 | 21.5 | 3.0\% | 684.7 | 25.1 | 3.5\% | 681.1 | 28.7 | 4.0\% |
| ME1 | 47591 | 2001 | Dry | August | -- | 159.5 | 148.0 | 11.5 | 7.2\% | 146.3 | 13.1 | 8.2\% | 143.0 | 16.4 | 10.3\% | 139.7 | 19.7 | 12.4\% | 136.5 | 23.0 | 14.4\% | 133.2 | 26.3 | 16.5\% |
| ME1 | 47591 | 2001 | Dry | September | Used in Summary Table Analysis | 81.6 | 71.8 | 9.8 | 12.0\% | 70.4 | 11.2 | 13.7\% | 67.6 | 14.0 | 17.1\% | 64.8 | 16.8 | 20.6\% | 62.0 | 19.6 | 24.0\% | 59.2 | 22.4 | 27.5\% |
| ME1 | 47591 | 2002 | Below Normal | October | Used in Summary Table Analysis | 249.6 | 241.3 | 8.3 | 3.3\% | 240.2 | 9.4 | 3.8\% | 237.7 | 11.9 | 4.7\% | 235.3 | 14.2 | 5.7\% | 233.0 | 16.6 | 6.7\% | 230.6 | 19.0 | 7.6\% |
| ME1 | 47591 | 2002 | Below Normal | November | Used in Summary Table Analysis | 11,855.3 | 11,848.4 | 6.9 | 0.1\% | 11,848.4 | 6.9 | 0.1\% | 11,846.1 | 9.3 | 0.1\% | 11,844.9 | 10.4 | 0.1\% | 11,842.6 | 12.7 | 0.1\% | 11,840.3 | 15.0 | 0.1\% |
| ME1 | 47591 | 2002 | Below Normal | December | -- | 35,173.6 | 35,167.8 | 5.8 | 0.0\% | 35,167.8 | 5.8 | 0.0\% | 35,165.5 | 8.1 | 0.0\% | 35,164.4 | 9.3 | 0.0\% | 35,163.2 | 10.4 | 0.0\% | 35,160.9 | 12.7 | 0.0\% |
| ME1 | 47591 | 2002 | Below Normal | January | - | 30,533.2 | 30,548.6 | 4.6 | 0.0\% | ${ }^{30,547.5}$ | 5.8 | 0.0\% | 30,546.3 | 6.9 | 0.0\% | 30,545.1 | 8.1 | 0.0\% | 30,544.0 | 9.3 | 0.0\% | 30,542.8 | 10.4 | 0.0\% |
| ME1 | 47591 | 2002 | Below Normal | February | - | 24,481.5 | 24,476.9 | 4.6 | 0.0\% | 24,476.9 | 4.6 | 0.0\% | 24,474.5 | 6.9 | 0.0\% | 24,473.4 | 8.1 | 0.0\% | 24,472.2 | 9.3 | 0.0\% | 24,471.1 | 10.4 | 0.0\% |
| ME1 | 47591 | 2002 | Below Normal | March | -- | 17,626.2 | 17,621.5 | 4.6 | 0.0\% | 17,621.5 | 4.6 | 0.0\% | 17,620.4 | 5.8 | 0.0\% | 17,619.2 | ${ }^{6.9}$ | 0.0\% | 17,618.1 | 8.1 | 0.0\% | 17,616.9 | 9.3 | 0.1\% |
| ME1 | 47591 | 2002 | Below Normal | April | - | 9,863.8 | 9,854.5 | 9.3 | 0.1\% | 9,853.1 | 10.6 | 0.1\% | 9,850.6 | 13.2 | 0.1\% | 9,847.9 | 15.9 | 0.2\% | 9,845.4 | 18.4 | 0.2\% | 9,842,7 | 21.1 | 0.2\% |
| ME1 | 47591 | 2002 | Below Normal | May | - | 3,295.0 | 3,284,8 | 10.2 | 0.3\% | 3,283.3 | 11.7 | 0.4\% | 3,280, 3 | 14.7 | 0.4\% | 3,277.4 | 17.6 | 0.5\% | 3,274.5 | 20.5 | 0.6\% | 3,271.5 | 23.5 | 0.7\% |
| ME1 | 47591 | 2002 | Below Normal | June | - | 840.9 | 828.5 | 12.5 | 1.5\% | 826.7 | 14.2 | 1.7\% | 823.2 | 17.7 | 2.1\% | 819.7 | 21.2 | 2.5\% | 816.2 | 24.8 | 2.9\% | 812.7 | 28.2 | 3.4\% |
| ME1 | 47591 | 2002 | Below Normal | July | - | 349.0 | 337.5 | 11.5 | 3.3\% | 335.9 | 13.1 | 3.8\% | 332.6 | 16.4 | 4.7\% | 329.4 | 19.6 | 5.6\% | 326.1 | 22.9 | 6.6\% | 322.9 | 26.1 | 7.5\% |
| ME1 | 47591 | 2002 | Below Normal | August | -- | 211.5 | 201.5 | 10.0 | 4.7\% | 200.1 | 11.4 | 5.4\% | 197.2 | 14.2 | 6.7\% | 199.4 | 17.1 | 8.1\% | 191.5 | 19.9 | 9.4\% | 188.7 | ${ }^{22.8}$ | 10.8\% |
| ME1 | 47591 | 2002 | Below Normal | September | Used in Summary Table Analysis | 148.9 | 139.8 | 9.1 | 6.1\% | 138.6 | 10.4 | 7.0\% | 136.0 | 13.0 | 8.7\% | 133.4 | 15.5 | 10.4\% | 130.8 | 18.1 | 12.2\% | 128.2 | 20.7 | 13.9\% |
| ME1 | 47591 | 2003 | Wet | October | Used in Summary Table Analysis | 114.2 | 107.0 | 7.2 | 6.3\% | 105.9 | 8.2 | 7.2\% | 103.9 | 10.3 | 9.0\% | 101.8 | 12.4 | 10.9\% | 99.7 | 14.5 | 12.7\% | 97.6 | 16.6 | 14.5\% |
| ME1 | 47591 | 2003 | Wet | November | Used in Summary Table Analysis | 877.3 | 871.8 | 5.5 | 0.6\% | 871.0 | 6.3 | 0.7\% | 869.4 | 7.9 | 0.9\% | 867.8 | 9.5 | 1.1\% | 866.3 | 10.9 | 1.2\% | 864.8 | 12.5 | 1.4\% |
| ME1 | 47591 | 2003 | Wet | December |  | 55,627.3 | 55,622.7 | 4.6 | 0.0\% | 55,62.7 | 4.6 | 0.0\% | 55,621.5 | 5.8 | 0.0\% | 55,619.2 | 8.1 | 0.0\% | 55,618,1 | 9.3 | 0.0\% | 55,616.9 | 10.4 | 0.0\% |
| ME1 | 47591 | 2003 | Wet | January | - | 31,280.1 | 31,276.6 | 3.5 | 0.0\% | 31,275.5 | 4.6 | 0.0\% | 31,274.3 | 5.8 | 0.0\% | 31,273.1 | 6.9 | 0.0\% | $31,272.0$ | 8.1 | 0.0\% | 31,270.8 | 9.3 | 0.0\% |
| ME1 | 47591 | 2003 | Wet | February |  | 20,219.9 | 20,215.3 | 4.6 | 0.0\% | 20,215.3 | 4.6 | 0.0\% | 20,214.1 | 5.8 | 0.0\% | 20,213.0 | 6.9 | 0.0\% | 20,211.8 | 8.1 | 0.0\% | 20,210.6 | 9.3 | 0.0\% |
| ME1 | 47591 | 2003 | Wet | March | - | 23,829.9 | 23,826.4 | 3.5 | 0.0\% | 23,826.4 | 3.5 | 0.0\% | 23,825.2 | 4.6 | 0.0\% | 23,824.1 | 5.8 | 0.0\% | 23,822.9 | 6.9 | 0.0\% | 23,821.8 | 8.1 | 0.0\% |
| ME1 | 47591 | 2003 | Wet | April | - | 42,415.5 | 42,412.0 | 3.5 | 0.0\% | 42,412.0 | 3.5 | 0.0\% | 42,410.9 | 4.6 | 0.0\% | 42,409.7 | 5.8 | 0.0\% | 42,408.6 | 6.9 | 0.0\% | 42,408.6 | 6.9 | 0.0\% |
| ME1 | 47591 | 2003 | Wet | May | - | 12,153.9 | 12,143.5 | 10.4 | 0.1\% | 12,142.4 | 11.6 | 0.1\% | 12,140.0 | 13.9 | 0.1\% | 12,137.7 | 16.2 | 0.1\% | 12,135.4 | 18.5 | 0.2\% | 12,131.9 | 22.0 | 0.2\% |
| ME1 | 47591 | 2003 | Wet | June | - | 3,147.1 | 3,135.6 | 11.5 | 0.4\% | 3,134.1 | 13.0 | 0.4\% | 3,130.9 | 16.2 | 0.5\% | 3,127.8 | 19.3 | 0.6\% | 3,124.8 | 22.3 | 0.7\% | 3,121.6 | 25.5 | 0.8\% |
| ME1 | 47591 | 2003 | Wet | July | - | 1,453.8 | 1,442.5 | 11.3 | 0.8\% | 1,440.9 | 13.0 | 0.9\% | 1,437.7 | 16.1 | 1.1\% | 1,434.5 | 19.3 | 1.3\% | 1,431.3 | 22.6 | 1.6\% | 1,428.0 | 25.8 | 1.8\% |
| ME1 | 47591 | 2003 | Wet | August | -- | 741.2 | 730.8 | 10.4 | 1.4\% | 729.2 | 12.0 | 1.6\% | 726.3 | 14.9 | 2.0\% | 723.3 | 17.9 | 2.4\% | 720.3 | 20.9 | 2.8\% | 717.2 | 24.0 | 3.2\% |
| ME1 | 47591 | 2003 | Wet | September | Used in Summary Table Analysis | 440.5 | 432.3 | 8.2 | 1.9\% | 431.1 | 9.4 | 2.1\% | 428.8 | 11.7 | 2.7\% | 426.5 | 14.0 | 3.2\% | 424.2 | 16.3 | 3.7\% | 421.9 | 18.7 | 4.2\% |
| ME1 | 47591 | 2004 | Wet | October | Used in Summary Table Analysis | 307.9 | 301.3 | 6.6 | 2.2\% | 300.3 | 7.6 | 2.5\% | 298.4 | 9.5 | 3.1\% | 296.5 | 11.4 | 3.7\% | 294.6 | 13.3 | 4.3\% | 292.7 | 15.2 | 4.9\% |
| ME1 | 47591 | 2004 | Wet | November | Used in Summary Table Analysis | 5,665.9 | 5,660.8 | 5.1 | 0.1\% | 5,660.1 | 5.8 | 0.1\% | 5,658.6 | 7.3 | 0.1\% |  | 8.8 | 0.2\% | 5,655.7 | 10.2 | 0.2\% | 5,654.2 | 11.7 | 0.2\% |
| ME1 | 47591 47591 | 2004 2004 | Wet Wet | ${ }_{\text {December }}$ |  | $35,799.5$ $31,063.7$ | $35,706.0$ 31.060 .2 | 3.5 3.5 | 0.0\% $0.0 \%$ | 35,704.9 310.059 .0 | 4.6 4.6 | 0.0\% | $35,703.7$ $31,057.9$ | 5.8 5.8 | - $0.0 \%$ | 35,702.5 31.056 .7 | 6.9 6.9 | - $0.0 \%$ | $35,701.4$ $31,055.6$ | ${ }_{8.1}^{8.1}$ | 0.0\% $0.0 \%$ | $35,699.1$ 31.054 .4 | ${ }_{9.3}^{10.4}$ | - $0.0 \%$ |
| ME1 | 47591 | 2004 | Wet | February | -- | 37,842.6 | 37,838.0 | 4.6 | 0.0\% | 37,838.0 | 4.6 | 0.0\% | 37,836.8 | 5.8 | 0.0\% | 37,835.6 | 6.9 | 0.0\% | 37,834.5 | 8.1 | 0.0\% | 37,833.3 | 9.3 | 0.0\% |
| ME1 | 47591 | 2004 | Wet | March | -- | 16,450.2 | 16,446.8 | 3.5 | 0.0\% | 16,446.8 | 3.5 | 0.0\% | 16,445.6 | 4.6 | 0.0\% | 16,444.4 | 5.8 | 0.0\% | 16,443.3 | 6.9 | 0.0\% | 16,442.1 | 8.1 | 0.0\% |
| ME1 | 47591 | 2004 | Wet | April | -- | 9,395.1 | 9,392.0 | 3.1 | 0.0\% | 9,391.6 | 3.6 | 0.0\% | 9,390.6 | 4.5 | 0.0\% | 9,389.7 | 5.4 | 0.1\% | 9,388.8 | 6.4 | 0.1\% | 9,387.8 | 7.3 | 0.1\% |
| ME1 | 47591 | 2004 | Wet | May | - | 3,375.2 | 3,366.1 | 9.1 | 0.3\% | 3,364.8 | 10.4 | 0.3\% | 3,362.2 | 13.1 | 0.4\% | 3,359.6 | 15.6 | 0.5\% | 3,356.9 | 18.3 | 0.5\% | 3,354.4 | 20.8 | 0.6\% |
| ME1 | 47591 | 2004 | Wet | June | - | 679.7 | 669.0 | 10.7 | 1.6\% | 667.5 | 12.2 | 1.8\% | 664.4 | 15.2 | 2.2\% | 661.4 | 18.2 | 2.7\% | 658.4 | 21.2 | 3.1\% | 655.4 | 24.2 | 3.6\% |
| ME1 | 47591 | 2004 | Wet | July | - | 340.2 | 329.1 | 11.1 | 3.3\% | 327.6 | 12.7 | 3.7\% | 324.4 | 15.8 | 4.7\% | 321.3 | 19.0 | 5.6\% | 318.1 | 22.2 | 6.5\% | 314.9 | 25.3 | 7.4\% |
| ME1 | 47591 | 2004 | Wet | August | -- | 210.1 | 200.4 | 9.6 | 4.6\% | 199.0 | 11.0 | 5.3\% | 196.3 | 13.8 | 6.6\% | 193.5 | 16.5 | 7.9\% | 190.8 | 19.3 | 9.2\% | 188.0 | 22.0 | 10.5\% |
| ME1 | 47591 | 2004 | Wet | September | Used in Summary Table Analysis | 148.1 | 138.8 | 9.3 | 6.3\% | 137.5 | 10.7 | 7.2\% | 134.8 | 13.3 | 9.0\% | 132.2 | 16.0 | 10.8\% | 129.5 | 18.7 | 12.6\% | 126.8 | 21.4 | 14.4\% |
| ME1 | 47591 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,505.3 | 7,498.5 | 6.8 | 0.1\% | 7,497.5 | 7.9 | 0.1\% | 7,495.5 | 9.8 | 0.1\% | 7,493.5 | 11.8 | 0.2\% | 7,491.6 | 13.8 | 0.2\% | 7,489.6 | 15.7 | 0.2\% |
| ME1 | 47591 47591 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,229.1 20,555 | 2,224.0 20,508 | 5.1 4.6 | 0.2\% | $2,223.3$ 20,520 2, | 5.8 | 0.3\% | $2,221.8$ 205185 | 7.3 | 0.3\% | $2,220.3$ 20151.4 | 8.8 81 | 0.4\% | $2,218.9$ 205162 | 10.2 | ${ }^{0.5 \%}$ | $2,217.4$ 20,5150 | 11.7 |  |
| ME1 | 47591 47591 | 2005 | Above Normal Above Normal | December January |  | $20,525.5$ $21,989.6$ | $20,520.8$ $21,986.1$ | $\begin{aligned} & 4.6 \\ & 3.5 \end{aligned}$ | 0.0\% $0.0 \%$ | $20,520.8$ $21,985.0$ | 4.6 4.6 | $0.0 \%$ $0.0 \%$ | $20,518.5$ $21,983.8$ | $\begin{aligned} & 6.9 \\ & 5.8 \end{aligned}$ | 0.0\% $0.0 \%$ | $20,517.4$ $21,982.6$ | 8.1 6.9 | 0.0\% $0.0 \%$ | $20,516.2$ $21,981.5$ | 9.3 8.1 | 0.0\% $0.0 \%$ | $20,515.0$ 21,980.3 | 10.4 9.3 | -0.1\% |
| ME1 | 47591 | 2005 | Above Normal | February | -- | 13,937.5 | 13,934.0 | 3.5 | 0.0\% | 13,932.9 | 4.6 | 0.0\% | 13,932.9 | 4.6 | 0.0\% | 13,931.7 | 5.8 | 0.0\% | 13,930.6 | 6.9 | 0.0\% | 13,929.4 | 8.1 | 0.1\% |
| ME1 | 47591 | 2005 | Above Normal | March | -- | 28,265.0 | 28,262.7 | 2.3 | 0.0\% | 28,261.6 | 3.5 | 0.0\% | 28,260.4 | 4.6 | 0.0\% | 28,259.3 | 5.8 | 0.0\% | 28,259.3 | 5.8 | 0.0\% | 28,258.1 | 6.9 | 0.0\% |
| ME1 | 47591 | 2005 | Above Normal | April | - | 21,245.4 | 21,241.9 | 3.5 | 0.0\% | 21,241.9 | 3.5 | 0.0\% | 21,240.7 | 4.6 | 0.0\% | 21,239.6 | 5.8 | 0.0\% | 21,239.6 | 5.8 | 0.0\% | 21,238.4 | 6.9 | 0.0\% |
| ME1 | 47591 | 2005 | Above Normal | may | - | 19,332.2 | 19,322.9 | 9.3 | 0.0\% | 19,321.8 | 10.4 | 0.1\% | 19,319.4 | 12.7 | 0.1\% | 19,316.0 | 16.2 | 0.1\% | 19,313.7 | 18.5 | 0.1\% | 19,311.3 | 20.8 | 0.1\% |
| ME1 | 47591 | 2005 | Above Normal | June | - | 15,591.4 | 15,576.4 | 15.0 | 0.1\% | 15,574.1 | 17.4 | 0.1\% | 15,570.6 | 20.8 | 0.1\% | 15,566.0 | 25.5 | 0.2\% | 15,561.3 | 30.1 | 0.2\% | 15,557.9 | 33.6 | 0.2\% |
| ME 1 | 47591 | 2005 | Above Normal | July | - | 2,856.3 | 2,844.4 | ${ }^{11.8}$ | ${ }^{\text {0.4\% }}$ | 2,842.7 | 13.5 | 0.5\% | 2,839.4 | 16.9 | 0.6\% | 2,836.0 | 20.3 | 0.7\% | 2,832.6 | 23.6 | 0.8\% | 2,829.3 | 27.0 | 0.9\% |
| ME1 | 47591 | 2005 | Above Normal | August | -- | 963.7 | 954.0 | 9.6 | 1.0\% | 952.7 | 11.0 | 1.1\% | 949.9 | 13.8 | 1.4\% | 947.2 | 16.5 | 1.7\% | 948.4 | 19.2 | 2.0\% | ${ }^{941.7}$ | ${ }^{22.0}$ | 2.3\% |
| ME1 | 47591 | 2005 | Above Normal | September | Used in Summary Table Analysis | 505.8 | 497.7 | 8.1 | 1.6\% | 496.5 | 9.3 | 1.8\% | 494.2 | 11.6 | 2.3\% | 491.9 | 13.9 | 2.8\% | 489.6 | 16.2 | 3.2\% | 487.3 | 18.5 | 3.7\% |
| ME1 | 47591 | 2006 | Wet | October | Used in Summary Table Analysis | 613.2 | 606.7 | 6.5 | 1.1\% | 605.8 | 7.4 | 1.2\% | 603.9 | 9.3 | 1.5\% | ${ }^{602.0}$ | 11.2 | 1.8\% | 600.2 | 13.0 | ${ }^{2.1 \%}$ | 598.3 | 14.9 | 2.4\% |
| ME1 | 47591 | 2006 | Wet | November | Used in Summary Table Analysis | 9,074.4 | 9,069.6 | 4.9 | 0.1\% | 9,068.9 | 5.6 | 0.1\% | ${ }^{9,067.5}$ | 6.9 | 0.1\% | ${ }^{9,066.1}$ | 8.3 | 0.1\% | 9,064.7 | 9.7 | 0.1\% | 9,063.3 | 11.1 | 0.1\% |
| ME1 | 47591 | 2006 | Wet | December |  | 42,744.2 | 42,740.7 | 3.5 | 0.0\% | 42,739.6 | 4.6 | 0.0\% | $42,738.4$ 456088 | 5.8 58 | 0.0\% | $42,737.3$ 45676 | 6.9 6 | 0.0\% | $42,736.1$ 45,6065 | 8.1 81 | 0.0\% 0.0\% | $42,735.0$ 45.655 .3 | 9.3 9.3 | 0.0\% $0.0 \%$ |
| ME1 | 47591 47591 | 2006 2006 | Wet Wet | January February | $\cdots$ | 45,614.6 26,324.1 | $45,610.0$ $26,320.6$ | 4.6 3.5 | 0.0\% $0.0 \%$ | $45,410.0$ $26,319.4$ | 4.6 4.6 | 0.0\% $0.0 \%$ | $45,608.8$ $26,318.3$ | 5.8 5.8 | 0.0\% $0.0 \%$ | $45,607.6$ $26,317.1$ | 6.9 6.9 | 0.0\% $0.0 \%$ | $45,606.5$ $26,317.1$ | 8.1 6.9 | 0.0\% $0.0 \%$ | $45,605.3$ 26,316.0 | 9.3 8.1 | 0.0\% $0.0 \%$ |
| ME1 | 47591 | 2006 | Wet | March | -- | ${ }_{46,618.1}$ | ${ }_{46,614.6}$ | ${ }_{3}^{3.5}$ | 0.0\% | ${ }_{4}^{46,614.6}$ | ${ }_{3}^{4.5}$ | 0.0\% | ${ }_{46,613.4}$ | 5.6 | 0.0\% | ${ }_{46,612.3}^{26,37.1}$ | ${ }_{5}^{6.8}$ | 0.0\% | ${ }_{46,611.1}^{20,1}$ | 6.9 | 0.0\% | ${ }_{46,610.0}$ | ${ }_{8.1}^{8.1}$ | 0.0\% |
| ME1 | 47591 | 2006 | Wet | April | -- | 30,211.8 | 30,208.3 | 3.5 | 0.0\% | 30,208.3 | 3.5 | 0.0\% | 30,207.2 | 4.6 | 0.0\% | 30,20.0 | 5.8 | 0.0\% | 30,206.0 | 5.8 | 0.0\% | 30,204.9 | 6.9 | 0.0\% |
| ME1 | 47591 | 2006 | Wet | May |  | 14,079.9 | 14,075.2 | 4.6 | 0.0\% | 14,074.1 | 5.8 | 0.0\% | 14,072.9 | 6.9 | 0.0\% | 14,071.8 | 8.1 | 0.1\% | 14,070.6 | 9.3 | 0.1\% | 14,068.3 | 11.6 | 0.1\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest |  |  |  | Month | Note | Without <br> Pumping <br> (cfs) | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\underset{\substack{\text { Difforencence } \\ \text { (ffs) }}}{\text { Fol}}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME1 | 47591 | 2006 | Wet | June | - | 3,529.6 | 3,517.4 | 12.3 | 0.3\% | 3,515.6 | 14.0 | 0.4\% | 3,512.3 | 17.4 | 0.5\% | 3,508.8 | 20.8 | 0.6\% | 3,505.4 | 24.2 | 0.7\% | 3,502.0 | 27.7 | 0.8\% |
| ME1 | 47591 | 2006 | Wet | July | -- | 1,256.9 | 1,245.8 | 11.1 | 0.9\% | 1,244.2 | 12.7 | 1.0\% | 1,241.1 | 15.9 | 1.3\% | 1,237.8 | 19.1 | 1.5\% | 1,234.7 | 22.2 | 1.8\% | 1,231.6 | 25.3 | 2.0\% |
| ME1 | 47591 | 2006 | Wet | August | -- | 643.6 | 633.5 | 10.0 | 1.6\% | 632.1 | 11.5 | 1.8\% | 629.3 | 14.3 | 2.2\% | 626.4 | 17.2 | 2.7\% | 623.6 | 20.0 | 3.1\% | 620.8 | 22.8 | 3.5\% |
| ME1 | 47591 | 2006 | Wet | September | Used in Summary Table Analysis | 406.3 | 398.0 | 8.3 | 2.0\% | 396.9 | 9.5 | 2.3\% | 394.5 | 11.8 | 2.9\% | 392.2 | 14.2 | 3.5\% | 389.8 | 16.5 | 4.1\% | 387.5 | 18.9 | 4.6\% |
| ME1 | 47591 | 2007 | Above Normal | October | Used in Summary Table Analysis | 257.4 | 250.8 | 6.6 | 2.6\% | 249.8 | 7.6 | 2.9\% | 247.9 | 9.5 | 3.7\% | 246.0 | 11.4 | 4.4\% | 244.1 | 13.3 | 5.2\% | 242.2 | 15.2 | 5.9\% |
| ME1 | 47591 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,462.5 | 8,457.4 | 5.1 | 0.1\% | 8,456.6 | 5.9 | 0.1\% | 8,455.1 | 7.4 | 0.1\% | 8,453.7 | 8.8 | 0.1\% | 8,452.2 | 10.3 | 0.1\% | 8,450.7 | 11.8 | 0.1\% |
| ME1 | 47591 | 2007 | Above Normal | December - | -- | 19,998.8 | 19,994.2 | 4.6 | 0.0\% | 19,993.1 | 5.8 | 0.0\% | 19,991.9 | 6.9 | 0.0\% | 19,990.7 | 8.1 | 0.0\% | 19,989.6 | 9.3 | 0.0\% | 19,987.3 | 11.6 | 0.1\% |
| ME1 | 47591 | 2007 | Above Normal | January | -- | 10,139.1 | 10,135.3 | 3.8 | 0.0\% | 10,134.7 | 4.4 | 0.0\% | 10,133.6 | 5.6 | 0.1\% | 10,132.4 | 6.7 | 0.1\% | 10,131.4 | 7.8 | 0.1\% | 10,130.1 | 9.0 | 0.1\% |
| me 1 | 47591 | 2007 | Above Normal | February | -- | 30,110.0 | 30,106.5 | 3.5 | 0.0\% | 30,105.3 | 4.6 | 0.0\% | 30,104.2 | 5.8 | 0.0\% | 30,103.0 | 6.9 | 0.0\% | 30,101.9 | 8.1 | 0.0\% | 30,100.7 | 9.3 | 0.0\% |
| ME1 | 47591 | 2007 | Above Normal | March | -- | 13,019.7 | 13,016.2 | 3.5 | 0.0\% | 13,015.0 | 4.6 | 0.0\% | 13,013.9 | 5.8 | 0.0\% | 13,012.7 | 6.9 | 0.1\% | 13,011.6 | 8.1 | 0.1\% | 13,011.6 | 8.1 | 0.1\% |
| ME1 | 47591 | 2007 | Above Normal | April | - | 11,457.1 | 11,488.1 | 8.9 | 0.1\% | 11,446.9 | 10.2 | 0.1\% | 11,444.3 | 12.7 | 0.1\% | 11,441.8 | 15.3 | 0.1\% | 11,439.1 | 17.9 | 0.2\% | 11,436.6 | 20.5 | 0.2\% |
| ME1 | 47591 | 2007 | Above Normal | May | -- | 4,102.7 | 4,092.7 | 10.0 | 0.2\% | 4,091.3 | ${ }^{11.3}$ | 0.3\% | 4,088.4 | 14.2 | 0.3\% | 4,085.5 | 17.1 | 0.4\% | 4,082.6 | 20.0 | 0.5\% | 4,079.9 | 22.8 | 0.6\% |
| ME1 | 47591 | 2007 | Above Normal | June | - | 1,472.0 | 1,458.7 | 13.3 | 0.9\% | 1,456.8 | 15.2 | 1.0\% | 1,453.0 | 19.0 | 1.3\% | 1,449.3 | 22.7 | 1.5\% | 1,445.6 | 26.4 | 1.8\% | 1,441.9 | 30.1 | 2.0\% |
| me1 | 47591 | 2007 | Above Normal | July | - | 483.1 | 471.0 | 12.1 | 2.5\% | 469.3 | 13.8 | 2.9\% | 465.9 | 17.2 | 3.6\% | 462.5 | 20.7 | 4.3\% | 459.0 | 24.1 | 5.0\% | 455.6 | 27.5 | 5.7\% |
| ME1 | 47591 | 2007 | Above Normal | August | -- | 207.4 | 197.6 | 9.8 | 4.7\% | 196.3 | 11.2 | 5.4\% | 193.5 | 13.9 | 6.7\% | 190.7 | 16.7 | 8.1\% | 187.9 | 19.5 | 9.4\% | 185.2 | 22.3 | 10.7\% |
| ME1 | 47591 | 2007 | Above Normal | September | Used in Summary Table Analysis | 135.1 | 126.2 | 8.9 | 6.6\% | 124.9 | 10.2 | 7.5\% | 122.4 | 12.7 | 9.4\% | 119.8 | 15.3 | 11.3\% | 117.3 | 17.8 | 13.2\% | 114.7 | 20.4 | 15.1\% |
| ME1 | 47591 | 2008 | Dry | October | Used in Summary Table Analysis | 3,357.8 | 3,350.7 | 7.1 | 0.2\% | 3,349.7 | 8.1 | 0.2\% | 3,347.7 | 10.1 | 0.3\% | 3,345.6 | 12.2 | 0.4\% | 3,343.6 | 14.1 | 0.4\% | 3,341.6 | 16.2 | 0.5\% |
| ME1 | 47591 | 2008 | Dry | November | Used in Summary Table Analysis | 3,202.0 | 3,196.8 | 5.2 | 0.2\% | 3,196.1 | 5.9 | 0.2\% | 3,194.6 | 7.4 | 0.2\% | 3,193.1 | 8.9 | 0.3\% | 3,191.6 | 10.4 | 0.3\% | 3,190.0 | 11.9 | 0.4\% |
| ME1 | 47591 | 2008 | Dry | December - | -- | 22,591.4 | 22,586.8 | 4.6 | 0.0\% | 22,585.6 | 5.8 | 0.0\% | 22,584,5 | 6.9 | 0.0\% | 22,583.3 | 8.1 | 0.0\% | 22,582,2 | 9.3 | 0.0\% | 22,579.9 | 11.6 | 0.1\% |
| ME1 | 47591 | 2008 | Dry | January | -- | 37,017.4 | 37,012.7 | 4.6 | 0.0\% | 37,012.7 | 4.6 | 0.0\% | 37,011.6 | 5.8 | 0.0\% | 37,010.4 | 6.9 | 0.0\% | 37,009.3 | 8.1 | 0.0\% | 37,008.1 | 9.3 | 0.0\% |
| ME1 | 47591 | 2008 | Dry | February | -- | 26,142.4 | 26,138.9 | 3.5 | 0.0\% | 26,138.9 | 3.5 | 0.0\% | 26,137.7 | 4.6 | 0.0\% | 26,136.6 | 5.8 | 0.0\% | 26,135.4 | 6.9 | 0.0\% | 26,134.3 | 8.1 | 0.0\% |
| ME1 | 47591 | 2008 | Dry | March | - | 11,732.6 | 11,729.2 | 3.5 | 0.0\% | 11,729.2 | 3.5 | 0.0\% | 11,728.0 | 4.6 | 0.0\% | 11,726.9 | 5.8 | 0.0\% | 11,725.7 | 6.9 | 0.1\% | 11,725.7 | 6.9 | 0.1\% |
| ME1 | 47591 | 2008 | Dry | April | - | 8,967.2 | 8,957.9 | 9.4 | 0.1\% | 8,956.5 | 10.8 | 0.1\% | 8,953.8 | 13.4 | 0.1\% | 8,951.2 | 16.1 | 0.2\% | 8,948.4 | 18.9 | 0.2\% | 8,945.7 | 21.5 | 0.2\% |
| ME1 | 47591 | 2008 | Dry | May | -- | 1,359.6 | 1,350.8 | 8.8 | 0.6\% | 1,349.5 | 10.1 | 0.7\% | 1,347.1 | 12.5 | 0.9\% | 1,344.7 | 14.9 | 1.1\% | 1,342.4 | 17.2 | 1.3\% | 1,340.0 | 19.6 | 1.4\% |
| ME1 | 47591 | 2008 | Dry | June | - | 424.0 | 409.5 | 14.5 | 3.4\% | 407.4 | 16.6 | 3.9\% | 403.3 | 20.7 | 4.9\% | 399.2 | 24.8 | 5.8\% | 395.2 | 28.9 | 6.8\% | 391.1 | 32.9 | 7.8\% |
| ME1 | 47591 | 2008 | Dry | July | -- | 243.1 | 2303 | 12.8 | 5.3\% | 228.5 | 14.6 | 6.0\% | 224.8 | 18.3 | 7.5\% | 221.2 | 21.9 | 9.0\% | 217.5 | 25.5 | 10.5\% | 213.9 | 29.2 | 12.0\% |
| ME1 | 47591 | 2008 | Dry | August | - | 165.8 | 154.2 | 11.5 | 6.9\% | 152.6 | 13.1 | 7.9\% | 149.3 | 16.4 | 9.9\% | 146.0 | 19.7 | 11.9\% | 142.7 | 23.0 | 13.9\% | 139.5 | 26.3 | 15.9\% |
| ME1 | 47591 | 2008 | Dry | September | Used in Summary Table Analysis | 127.6 | 116.4 | 11.3 | 8.8\% | 114.8 | 12.9 | 10.1\% | 111.5 | 16.1 | 12.6\% | 108.3 | 19.3 | 15.1\% | 105.1 | 22.5 | 17.7\% | 101.9 | 25.7 | 20.2\% |
| ME1 | 47591 | 2009 | Critical | October | Used in Summary Table Analysis | 905.3 | 897.0 | 8.3 | 0.9\% | 895.8 | 9.5 | 1.0\% | 893.4 | 11.9 | 1.3\% | 891.0 | 14.3 | 1.6\% | 888.9 | 16.4 | 1.8\% | 886.4 | 18.9 | 2.1\% |
| ME1 | 47591 | 2009 | Critical | November | Used in Summary Table Analysis | 5,378.0 | 5,372.1 | 5.9 | 0.1\% | 5,371.2 | 6.8 | 0.1\% | 5,369.4 | 8.6 | 0.2\% | 5,367.8 | 10.2 | 0.2\% | 5,366.1 | 11.9 | 0.2\% | 5,364.4 | 13.7 | 0.3\% |
| me1 | 47591 | 2009 | Critical | December - |  | 11,888.9 | 11,884.3 | 4.6 | 0.0\% | 11,883.1 | 5.8 | 0.0\% | 11,881.9 | 6.9 | 0.1\% | 11,879.6 | 9.3 | 0.1\% | 11,878.5 | 10.4 | 0.1\% | 11,877.3 | 11.6 | 0.1\% |
| ME1 | 47591 | 2009 | Critical | January | - | 8,714.7 | 8,710.1 | 4.6 | 0.1\% | 8,709.4 | 5.3 | 0.1\% | 8,708.1 | ${ }^{6.6}$ | 0.1\% | 8,706.7 | 8.0 | 0.1\% | 8,705.4 | 9.3 | 0.1\% | $8,704.1$ | 10.6 | 0.1\% |
| ME1 | 47591 | 2009 | Critical | February |  | 22,383.1 | 22,378.5 | 4.6 | 0.0\% | 22,378.5 | 4.6 | 0.0\% | 22,377.3 | 5.8 | 0.0\% | 22,376.2 | 6.9 | 0.0\% | 22,375.0 | 8.1 | 0.0\% | 22,373.8 | 9.3 | 0.0\% |
| ME1 | 47591 | 2009 | Critical | March | -- | 20,946.8 | 20,943.3 | 3.5 | 0.0\% | 20,942.1 | 4.6 | 0.0\% | 20,941.0 | 5.8 | 0.0\% | 20,939.8 | 6.9 | 0.0\% | 20,939.8 | 6.9 | 0.0\% | 20,938.7 | 8.1 | 0.0\% |
| ME1 | 47591 | 2009 | Critical | April | - | 10,072.0 | 10,062.4 | 9.6 | 0.1\% | 10,061.0 | 11.0 | 0.1\% | 10,058.2 | 13.8 | 0.1\% | 10,055.4 | 16.6 | 0.2\% | 10,052.7 | 19.3 | 0.2\% | 10,049.9 | 22.1 | 0.2\% |
| me 1 | 47591 | 2009 | Critical | May | -- | 15,491.9 | 15,481.5 | 10.4 | 0.1\% | 15,479.2 | 12.7 | 0.1\% | 15,476.9 | 15.0 | 0.1\% | 15,473.4 | 18.5 | 0.1\% | 15,469.9 | 22.0 | 0.1\% | 15,466.4 | 25.5 | 0.2\% |
| ME1 | 47591 | 2009 | Critical | June | - | 3,142.4 | 3,126.6 | 15.7 | 0.5\% | 3,124.4 | 17.9 | 0.6\% | 3,119.9 | 22.5 | 0.7\% | 3,115.4 | 27.0 | 0.9\% | 3,111.0 | 31.4 | 1.0\% | 3,106.5 | 35.9 | 1.1\% |
| ME1 | 47591 | 2009 | Critical | July | - | 1,247.0 | 1,234.0 | 13.0 | 1.0\% | 1,232.2 | 14.8 | 1.2\% | 1,228.6 | 18.4 | 1.5\% | 1,225.0 | 22.0 | 1.8\% | 1,221.3 | 25.7 | 2.1\% | 1,217.7 | 29.3 | 2.3\% |
| ME1 | 47591 | 2009 | Critical | August | -- | 652.6 | 641.0 | 11.6 | 1.8\% | 639.4 | 13.2 | 2.0\% | 636.1 | 16.5 | 2.5\% | 632.9 | 19.7 | 3.0\% | 629.6 | 23.0 | 3.5\% | 626.3 | 26.3 | 4.0\% |
| ME1 | 47591 | 2009 | Critical | September | Used in Summary Table Analysis | 375.1 | 365.3 | 9.8 | 2.6\% | 363.9 | 11.2 | 3.0\% | 361.1 | 14.0 | 3.7\% | 358.3 | 16.8 | 4.5\% | 355.5 | 19.6 | 5.2\% | 352.7 | 22.4 | 6.0\% |
| ME1 | 47591 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,065.5 | 6,057.3 | 8.2 | 0.1\% | 6,056.1 | 9.4 | 0.2\% | 6,053.7 | 11.8 | 0.2\% | 6,051.4 | 14.1 | 0.2\% | 6,049.2 | 16.3 | 0.3\% | 6,046.8 | 18.8 | 0.3\% |
| ME1 | 47591 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,198.1 | ${ }^{8,192.0}$ | 6.1 | 0.1\% | 8,191.2 | 6.9 | 0.1\% | 8,189.4 | 8.8 | 0.1\% | 8,187.6 | 10.5 | ${ }^{0.1 \%}$ | 8,185.9 | ${ }^{12.3}$ | 0.1\% | 8,184.1 | 14.0 | 0.2\% |
| ME1 | 47591 | 2010 | Below Normal | December - |  | 12,172.5 | 12,167.8 | 4.6 | 0.0\% | 12,166.7 | 5.8 | 0.0\% | 12,165.5 | 6.9 | 0.1\% | 12,164.4 | 8.1 | 0.1\% | 12,163.2 | 9.3 | 0.1\% | 12,160.9 | 11.6 | 0.1\% |
| ME1 | 47591 47591 | 2010 | Below Normal | January | - | $35,635.4$ 37,718 | 33,630.8 | 4.6 35 | 0.0\% | $35,629.6$ 270671 | 5.8 | 0.0\% | $35,628.5$ 27,066 | 6.9 58 | 0.0\% | $35,627.3$ 37,648 | 8.1 69 | 0.0\% | $35,266.2$ 27,03.7 | ${ }^{9.3}$ | 0.0\% | 35,625.0 | 10.4 | ${ }^{0.0 \%}$ |
| ME1 | 47591 | 2010 | Below Normal | February |  | 27,071.8 | 27,068.3 | 3.5 | 0.0\% | 27,067.1 | 4.6 | 0.0\% | 27,066.0 | 5.8 | 0.0\% | 27,064.8 | 6.9 | 0.0\% | 27,063.7 | 8.1 | 0.0\% | 27,062.5 | 9.3 | 0.0\% |
| ME1 | 47591 | 2010 | Below Normal | March | -- | 28,687.5 | 28,682.9 | 4.6 | 0.0\% | 28,682.9 | 4.6 | 0.0\% | 28,681.7 | 5.8 | 0.0\% | 28,680.6 | 6.9 | 0.0\% | 28,679.4 | 8.1 | 0.0\% | 28,678.2 | 9.3 | 0.0\% |
| ME1 | 47591 | 2010 | Below Normal | April | -- | 39,739.6 | 39,736.1 | 3.5 | 0.0\% | 39,735.0 | 4.6 | 0.0\% | 39,733.8 | 5.8 | 0.0\% | $39,732.6$ 20,0382 | 6.9 | ${ }^{0.0 \%}$ | 39,731.5 | 8.1 185 | ${ }_{\text {0.0\% }}^{0.0 \%}$ | $39,730.3$ 20,324 | ${ }_{220} 9$ | ${ }_{\text {0.0\% }}^{0.0}$ |
| ME1 | 47591 | 2010 | Below Normal | May | - | 20,054.4 | 20,045.1 | 9.3 | 0.0\% | 20,044.0 | 10.4 | 0.1\% | 20,040.5 | 13.9 | 0.1\% | 20,038.2 | 16.2 | 0.1\% | 20,035.9 | 18.5 <br> 295 | 0.1\% | 20,032.4 | 22.0 | 0.1\% |
| ME1 | 47591 | 2010 | Below Normal | June | - | 9,180.8 | ${ }^{9,16579}$ | 14.9 | 0.2\% | ${ }^{9,1635}$ | 17.1 | ${ }^{0.2 \%}$ | $9,159.5$ $1,222.2$ | 21.3 | ${ }^{0.2 \%}$ | $9,155.4$ 1418.9 | 25.3 20.4 | - $0.3 \%$ | $9,151.3$ 14154 | 29.5 <br> 23.8 <br> 1 | 0.3\% <br> $1.7 \%$ | $9,1477.2$ $1,412.3$ | 33.6 27.0 | 0.4\% $1.9 \%$ |
| ME1 | 47591 | 2010 | Below Normal Below Normal | July | - | 1,439.2 | 1,427.3 | 11.9 | ${ }^{0.8 \%}$ | 1,425.6 | 13.7 | 0.9\% | ${ }^{1,4222.2}$ | 17.0 | ${ }^{1.2 \%}$ | ${ }_{\text {1, } 5148.9}$ | 20.4 | 1.4\% | 1,415.4 | 23.8 | ${ }_{\text {1.7\% }}$ | 1,412.3 | 27.0 | 1.9\% |
| ME1 | 47591 47591 | 2010 | ${ }^{\text {Below Normal }}$ | September | Used in Summary Table Analysis | 549.2 630.9 | 539.3 621.2 | 9.9 | 1.5\% | 537.9 619.8 | 11.3 11.0 | 2.18\% | 535.1 617.1 | 14.1 13.8 | ${ }_{\text {2.2\% }}$ | 532.3 614.4 | 16.9 16.5 | 3.6\% | 529.5 611.6 | 19.7 19.3 | 3.1\% | 526.7 608.8 | 22.5 22.0 | ${ }^{4.15 \%}$ |
| ME1 | 47591 | 2011 | Wet | October | Used in Summary Table Analysis | 9,501.4 | 9,494.7 | 6.7 | 0.1\% | 9,493.8 | 7.6 | 0.1\% | 9,491.8 | 9.6 | 0.1\% | 9,489.9 | 11.5 | 0.1\% | 9,488.1 | 13.3 | 0.1\% | 9,486.1 | 15.3 | 0.2\% |
| ME1 | 47591 | 2011 | Wet | November | Used in Summary Table Analysis | 14,069.4 | 14,064.8 | 4.6 | 0.0\% | 14,063.7 | 5.8 | 0.0\% | 14,062.5 | 6.9 | 0.0\% | 14,061.3 | 8.1 | 0.1\% | 14,059.0 | 10.4 | 0.1\% | 14,057.9 | 11.6 | 0.1\% |
| ME1 | 47591 | 2011 | Wet | December - |  | 33,103.0 | 33,099.5 | 3.5 | 0.0\% | 33,098.4 | 4.6 | 0.0\% | 33,097.2 | 5.8 | 0.0\% | 33,096.1 | 6.9 | 0.0\% | 33,094.9 | 8.1 | 0.0\% | 33,093.8 | 9.3 | 0.0\% |
| ME1 | 47591 | 2011 | Wet | January | -- | 14,039.4 | 14,035.9 | 3.5 | 0.0\% | 14,034.7 | 4.6 | 0.0\% | 14,033.6 | 5.8 | 0.0\% | 14,032.4 | 6.9 | 0.0\% | 14,031.3 | 8.1 | 0.1\% | 14,030.1 | 9.3 | 0.1\% |
| ME1 | 47591 | 2011 | Wet | February - | -- | 20,652.8 | 20,649.3 | 3.5 | 0.0\% | 20,648.1 | 4.6 | 0.0\% | 20,648.1 | 4.6 | 0.0\% | 20,647.0 | 5.8 | 0.0\% | 20,645.8 | 6.9 | 0.0\% | 20,644.7 | 8.1 | 0.0\% |
| ME1 | 47591 | 2011 | Wet | March |  | 51,612.3 | 51,608.8 | 3.5 | 0.0\% | 51,607.6 | 4.6 | 0.0\% | 51,607.6 | 4.6 | 0.0\% | 51,606.5 | 5.8 | 0.0\% | 51,605.3 | 6.9 | 0.0\% | 51,604.2 | 8.1 | 0.0\% |
| ME1 | 47591 | 2011 | Wet | April | - | 24,660.9 | 24,657.4 | 3.5 | 0.0\% | 24,656.3 | 4.6 | 0.0\% | 24,656.3 | 4.6 | 0.0\% | 24,655.1 | 5.8 | 0.0\% | 24,653.9 | 6.9 | 0.0\% | 24,652.8 | 8.1 | 0.0\% |
| ME1 | 47591 | 2011 | Wet | May | - | 11,313.8 | 11,304.5 | 9.3 | 0.1\% | 11,303.2 | 10.5 | 0.1\% | 11,300.6 | ${ }^{13.2}$ | 0.1\% | 11,297.8 | 16.0 | 0.1\% | 11,295.1 | 18.6 | 0.2\% | 11,292.5 | 21.3 | 0.2\% |
| ME1 | 47591 | 2011 | Wet | June | -- | 6,988.4 | 6,973.8 | 14.6 | 0.2\% | 6,971.8 | 16.7 | 0.2\% | 6,967.6 | 20.8 | 0.3\% | 6,963.5 | 24.9 | 0.4\% | 6,959.4 | 29.1 | 0.4\% | 6,955.3 | 33.1 | 0.5\% |
| ME1 | 47591 | 2011 | Wet | July | - | 1,817.7 | 1,804.3 | 13.4 | 0.7\% | 1,802.3 | 15.4 | 0.8\% | 1,798.5 | 19.2 | ${ }^{1.1 \%}$ | ${ }^{1,794.7}$ | ${ }^{23.0}$ | 1.3\% | $1,790.9$ | 26.9 195 | ${ }_{\text {1. }}^{1.5 \%}$ | $1,787.0$ 7377 | 30.7 | ${ }^{1.7 \%}$ |
| ME1 | 47591 | 2011 | Wet | August | -- | 760.0 | 750.2 | 9.8 | 1.3\% | 788.9 | 11.2 | 1.5\% | 746.1 | 14.0 | 1.8\% | 743.3 | 16.7 | 2.2\% | 740.5 | 19.5 | 2.6\% | 737.7 | ${ }^{22.3}$ | 2.9\% |
| ME1 | 47591 | 2011 | Wet | September | Used in Summary Table Analysis | 416.8 | 408.4 | 8.4 | 2.0\% | 407.2 | 9.7 | 2.3\% | 404.8 | 12.1 | 2.9\% | 402.4 | 14.4 | 3.5\% | 400.0 | 16.8 | 4.0\% | 397.6 | 19.2 | 4.6\% |

解hy Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month | Note | Flowwithout Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Flow (ffs) |  |  | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \end{aligned}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME1 | 47591 | 2012 | Below Normal |  | October | Used in Summary Table Analysis | 4,472.1 | 4,465.4 | 6.7 | 0.2\% | 4,466.4 | 7.8 | 0.2\% | 4,462.4 | 9.7 | 0.2\% | 4,460.5 | 11.6 | 0.3\% | 4,458.6 | 13.5 | 0.3\% | 4,456.6 | 15.5 | 0.3\% |
| ME1 | 47591 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,100.0 | 8,094.8 | 5.2 | 0.1\% | 8,094.1 | 5.9 | 0.1\% | 8,092.6 | 7.4 | 0.1\% | 8,091.1 | 8.9 | 0.1\% | 8,089.6 | 10.4 | 0.1\% | 8,088.1 | 11.9 | 0.1\% |
| ME1 | 47591 | 2012 | Below Normal | December - | -- | 5,120.1 | 5,115.7 | 4.4 | 0.1\% | 5,115.2 | 5.0 | 0.1\% | 5,113.9 | 6.3 | 0.1\% | 5,112.6 | 7.5 | 0.1\% | 5,111.3 | 8.8 | 0.2\% | 5,110.1 | 10.1 | 0.2\% |
| ME1 | 47591 | 2012 | Below Normal | January | -- | 19,726.9 | 19,72.4 | 3.5 | 0.0\% | 19,722.2 | 4.6 | 0.0\% | 19,721.1 | 5.8 | 0.0\% | 19,799.9 | 6.9 | 0.0\% | 19,718.8 | 8.1 | 0.0\% | 19,717.6 | 9.3 | 0.0\% |
| ME1 | 47591 | 2012 | Below Normal | February | -- | 18,097.2 | 18,093.8 | 3.5 | 0.0\% | 18,093.8 | 3.5 | 0.0\% | 18,092.6 | 4.6 | 0.0\% | 18,09.4 | 5.8 | 0.0\% | 18,090.3 | 6.9 | 0.0\% | 18,089.1 | 8.1 | 0.0\% |
| ME1 | 47591 | 2012 | Below Normal | March | - | 44,967.6 | 44,964.1 | 3.5 | 0.0\% | 44,963.0 | 4.6 | 0.0\% | 44,961.8 | 5.8 | 0.0\% | 44,960.6 | 6.9 | 0.0\% | 44,959.5 | 8.1 | 0.0\% | 44,958.3 | 9.3 | 0.0\% |
| ME1 | 47591 | 2012 | Below Normal | April | - | 26,689.8 | 26,686.3 | 3.5 | 0.0\% | 26,686.3 | 3.5 | 0.0\% | 26,685.2 | 4.6 | 0.0\% | 26,684.0 | 5.8 | 0.0\% | 26,682.9 | 6.9 | 0.0\% | 26,681.7 | 8.1 | 0.0\% |
| ME1 | 47591 | 2012 | Below Normal | May | - | 7,438.3 | 7,429.1 | 9.3 | 0.1\% | 7,427.7 | 10.6 | 0.1\% | 7,424.9 | 13.4 | 0.2\% | 7,422.2 | 16.1 | 0.2\% | 7,419.6 | 18.8 | 0.3\% | 7,416.9 | 21.4 | 0.3\% |
| ME1 | 47591 | 2012 | Below Normal | June | - | 5,448.8 | 5,433.9 | 14.9 | 0.3\% | 5,431.8 | 17.0 | 0.3\% | 5,427.7 | 21.2 | 0.4\% | 5,423.5 | 25.3 | 0.5\% | 5,419.3 | 29.5 | 0.5\% | 5,415.0 | 33.8 | 0.6\% |
| ME1 | 47591 | 2012 | Below Normal | July | - | 2,181.0 | 2,167.9 | 13.1 | 0.6\% | 2,166.0 | 15.0 | 0.7\% | 2,162.3 | 18.8 | 0.9\% | 2,158.6 | 22.5 | 1.0\% | 2,154.7 | 26.3 | 1.2\% | 2,151.0 | 30.0 | 1.4\% |
| ME1 | 47591 | 2012 | Below Normal | August | -- | 375.4 | 366.3 | 9.1 | 2.4\% | 365.0 | 10.4 | 2.8\% | 362.5 | 13.0 | 3.5\% | 359.9 | 15.5 | 4.1\% | 357.3 | 18.1 | 4.8\% | 354.7 | 20.7 | 5.5\% |
| ME1 | 47591 | 2012 | Below Normal | September | Used in Summary Table Analysis | 233.2 | 225.3 | 7.8 | 3.4\% | 224.2 | 8.9 | 3.8\% | 222.0 | 11.1 | 4.8\% | 219.8 | 13.3 | 5.7\% | 217.6 | 15.5 | 6.7\% | 215.4 | 17.7 | 7.6\% |
| ME1 | 47591 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,865.0 | 1,858.2 | 6.8 | 0.4\% | 1,857.3 | 7.8 | 0.4\% | 1,855.3 | 9.7 | 0.5\% | 1,853.4 | 11.7 | 0.6\% | 1,851.4 | ${ }^{13.7}$ | 0.7\% | 1,849.4 | 15.6 | 0.8\% |
| ME1 | 47591 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,435.2 | 14,430.6 | 4.6 | 0.0\% | 14,429.4 | 5.8 | 0.0\% | 14,428.2 | 6.9 | 0.0\% | 14,425.9 | 9.3 | 0.1\% | 14,424.8 | 10.4 | 0.1\% | 14,423.6 | 11.6 | 0.1\% |
| ME1 | 47591 | 2013 | Below Normal | December - | -- | 59,436.3 | 59,431.7 | 4.6 | 0.0\% | 59,431.7 | 4.6 | 0.0\% | 59,429.4 | 6.9 | 0.0\% | 59,428.2 | 8.1 | 0.0\% | 59,427.1 | 9.3 | 0.0\% | 59,425.9 | 10.4 | 0.0\% |
| ME1 | 47591 | 2013 | Below Normal | January | -- | 22,034.7 | 22,031.3 | 3.5 | 0.0\% | 22,031.3 | 3.5 | 0.0\% | 22,028.9 | 5.8 | 0.0\% | 22,027.8 | 6.9 | 0.0\% | 22,026,6 | 8.1 | 0.0\% | 22,025.5 | 9.3 | 0.0\% |
| ME1 | 47591 | 2013 | Below Normal | February | -- | 8,765.3 | 8,761.6 | 3.7 | 0.0\% | 8,761.1 | 4.2 | 0.0\% | 8,760.0 | 5.3 | 0.1\% | 8,758.9 | 6.4 | 0.1\% | 8,757.8 | 7.5 | 0.1\% | 8,756.6 | 8.7 | 0.1\% |
| ME1 | 47591 | 2013 | Below Normal | March | - | 10,211.0 | 10,207.5 | 3.5 | 0.0\% | 10,206.9 | 4.1 | 0.0\% | 10,205.9 | 5.1 | 0.0\% | 10,204.9 | 6.1 | 0.1\% | 10,203.8 | 7.2 | 0.1\% | 10,202.8 | 8.2 | 0.1\% |
| ME1 | 47591 | 2013 | Below Normal | April | - | 8,251.7 | 8,243.1 | 8.7 | 0.1\% | 8,241.8 | 10.0 | 0.1\% | 8,239.4 | 12.4 | 0.2\% | 8,236.8 | 14.9 | 0.2\% | 8,234.3 | 17.5 | 0.2\% | 8,231.8 | 19.9 | 0.2\% |
| ME1 | 47591 | 2013 | Below Normal | May | - | 4,381.4 | 4,371.4 | 10.0 | 0.2\% | 4,370.0 | 11.3 | 0.3\% | 4,367.1 | 14.2 | 0.3\% | 4,364.2 | 17.1 | 0.4\% | 4,361.3 | 20.0 | 0.5\% | 4,358.4 | 22.9 | 0.5\% |
| ME1 | 47591 | 2013 | Below Normal | June | - | 2,091.2 | 2,078.0 | 13.2 | 0.6\% | 2,076.2 | 15.0 | 0.7\% | 2,072.3 | 18.9 | 0.9\% | 2,068.6 | 22.6 | 1.1\% | 2,064,9 | 26.3 | 1.3\% | 2,061.2 | 30.0 | 1.4\% |
| ME1 | 47591 | 2013 | Below Normal | July | - | 707.4 | 696.2 | 11.3 | 1.6\% | 694.6 | 12.8 | 1.8\% | 691.4 | 16.0 | 2.3\% | 688.2 | 19.2 | 2.7\% | 685.1 | 22.4 | 3.2\% | 681.9 | 25.5 | 3.6\% |
| ME1 | 47591 | 2013 | Below Normal | August | -- | 326.0 | 316.3 | 9.8 | 3.0\% | 314.9 | 11.2 | 3.4\% | 312.1 | 14.0 | 4.3\% | 309.3 | 16.8 | 5.1\% | 306.5 | 19.6 | 6.0\% | 303.7 | 22.4 | 6.9\% |
| ME1 | 47591 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,714.8 | 4,704.3 | 10.5 | 0.2\% | 4,702.8 | 12.0 | 0.3\% | 4,699.8 | 15.0 | 0.3\% | 4,696.8 | 18.1 | 0.4\% | 4,693.8 | 21.1 | 0.4\% | 4,690.7 | 24.1 | 0.5\% |
| ME1 | 47591 | 2014 | Critical | October | Used in Summary Table Analysis | 275.3 | 268.5 | 6.8 | 2.5\% | 267.5 | 7.8 | 2.8\% | 265.5 | 9.7 | 3.5\% | 263.5 | 11.7 | 4.3\% | 261.6 | 13.7 | 5.0\% | 259.6 | 15.7 | 5.7\% |
| ME1 | 47591 | 2014 | Critical | November | Used in Summary Table Analysis | 1,498.4 | 1,493.2 | 5.2 | 0.3\% | 1,492.4 | 6.0 | 0.4\% | 1,490.9 | 7.5 | 0.5\% | 1,489.4 | 9.0 | 0.6\% | 1,487.8 | 10.5 | 0.7\% | 1,486.3 | 12.0 | 0.8\% |
| ME1 | 47591 | 2014 | Critical | December - | -- | 1,564.7 | 1,560.3 | 4.4 | 0.3\% | 1,559.6 | 5.1 | 0.3\% | 1,558.3 | 6.4 | 0.4\% | 1,557.1 | 7.6 | 0.5\% | 1,555.7 | 9.0 | 0.6\% | 1,554.4 | 10.3 | 0.7\% |
| ME1 | 47591 | 2014 | Critical | January | - | 2,780.2 | 2,776.3 | 3.9 | 0.1\% | 2,775.8 | 4.4 | 0.2\% | 2,774.7 | 5.6 | 0.2\% | 2,773.5 | 6.7 | 0.2\% | 2,772.3 | 7.9 | 0.3\% | 2,771.2 | 9.0 | 0.3\% |
| ME1 | 47591 | 2014 | Critical | February |  | 15,637.7 | 15,634.3 | 3.5 | 0.0\% | 15,634.3 | 3.5 | 0.0\% | 15,633.1 | 4.6 | 0.0\% | 15,631.9 | 5.8 | 0.0\% | 15,630.8 | 6.9 | 0.0\% | 15,629.6 | 8.1 | 0.1\% |
| ME1 | 47591 | 2014 | Critical | March | - | 31,388.0 | 31,334.5 | 3.5 | 0.0\% | ${ }^{31,333,3}$ | 4.6 | 0.0\% | 31,332.2 | 5.8 | 0.0\% | 31,332.2 | 5.8 | 0.0\% | 31,331.0 | 6.9 | 0.0\% | 31,329.9 | 8.1 | 0.0\% |
| ME1 | 47591 | 2014 | Critical | April | - | 12,936.3 | 12,925.9 | 10.4 | 0.1\% | 12,924.8 | 11.6 | 0.1\% | 12,922.5 | 13.9 | 0.1\% | 12,920.1 | 16.2 | 0.1\% | 12,916,7 | 19.7 | 0.2\% | 12,914.4 | 22.0 | 0.2\% |
| ME1 | 47591 | 2014 | Critical | May | - | 5,153.1 | 5,142.5 | 10.6 | 0.2\% | 5,140.9 | 12.3 | 0.2\% | 5,137.8 | 15.3 | 0.3\% | 5,134.7 | 18.4 | 0.4\% | 5,131.7 | 21.4 | 0.4\% | 5,128.7 | 24.4 | 0.5\% |
| ME1 | 47591 | 2014 | Critical | June | - | 1,181.7 | 1,165.7 | 16.0 | 1.4\% | 1,163.4 | 18.3 | 1.5\% | 1,158.9 | 22.8 | 1.9\% | 1,154.5 | 27.2 | 2.3\% | 1,150.0 | 31.7 | 2.7\% | 1,145.6 | 36.1 | 3.1\% |
| ME1 | 47591 | 2014 | Critical | July | - | 534.5 | 521.7 | 12.8 | 2.4\% | 519.9 | 14.6 | 2.7\% | 516.2 | 18.3 | 3.4\% | 512.6 | 21.9 | 4.1\% | 508.9 | 25.5 | 4.8\% | 505.3 | 29.2 | 5.5\% |
| ME1 | 47591 | 2014 | Critical | August | -- | 333.8 | 322.4 | 11.4 | 3.4\% | 320.8 | 13.0 | 3.9\% | 317.6 | 16.3 | 4.9\% | 314.3 | 19.5 | 5.9\% | 311.0 | 22.8 | 6.8\% | 307.8 | 26.1 | 7.8\% |
| ME1 | 47591 | 2014 | Critical | September | Used in Summary Table Analysis | 2,537.0 | 2,525.5 | 11.6 | 0.5\% | 2,523.8 | 13.2 | 0.5\% | 2,520.6 | 16.4 | 0.6\% | 2,517.2 | 19.8 | 0.8\% | 2,513.9 | 23.1 | 0.9\% | 2,510.5 | 26.5 | 1.0\% |
| ME1 | 47591 | 2015 | Dry | October | Used in Summary Table Analysis | 11,234.4 | 11,225.6 | 8.8 | 0.1\% | 11,224.3 | 10.1 | 0.1\% | 11,222.1 | 12.3 | 0.1\% | 11,299.6 | 14.8 | 0.1\% | 11,217.2 | 17.1 | 0.2\% | 11,214.7 | 19.7 | 0.2\% |
| ME1 | 47591 | 2015 | Dry | November | Used in Summary Table Analysis | 8,906.5 | 8,900.5 | 6.0 | 0.1\% | 8,899.7 | ${ }^{6} .8$ | 0.1\% | 8,897.9 | 8.6 | 0.1\% | 8,896.2 | 10.3 | 0.1\% | 8,899.4 | 12.0 | 0.1\% | 8,892.7 | 13.8 | 0.2\% |
| ME1 | 47591 | 2015 | Dry | December - |  | 32,133.1 | 32,128.5 | 4.6 | 0.0\% | 32,127.3 | 5.8 | 0.0\% | 32,126.2 | 6.9 | 0.0\% | 32,125.0 | 8.1 | 0.0\% | 32,122.7 | 10.4 | 0.0\% | 32,121.5 | 11.6 | 0.0\% |
| ME1 | 47591 | 2015 | Dry | January | -- | 14,500.0 | 14,495.4 | 4.6 | 0.0\% | 14,494.2 | 5.8 | 0.0\% | 14,493.1 | 6.9 | 0.0\% | 14,491.9 | 8.1 | 0.1\% | 14,490.7 | 9.3 | 0.1\% | 14,489.6 | 10.4 | 0.1\% |
| ME1 | 47591 | 2015 | Dry | February |  | 27,040.5 | 27,035.9 | 4.6 | 0.0\% | 27,035.9 | 4.6 | 0.0\% | 27,034.7 | 5.8 | 0.0\% | 27,033.6 | 6.9 | 0.0\% | 27,032.4 | 8.1 | 0.0\% | 27,031.3 | 9.3 | 0.0\% |
| ME1 | 47591 | 2015 | Dry | March | - | 11,520.9 | 11,517.5 | 3.5 | 0.0\% | 11,516.9 | 4.1 | 0.0\% | 11,516.0 | 5.0 | 0.0\% | 11,514.9 | 6.0 | 0.1\% | 11,513.9 | 7.1 | 0.1\% | 11,513.0 | 8.0 | 0.1\% |
| ME1 | 47591 | 2015 | Dry | April | - | 8,258.6 | 8,249.1 | 9.5 | 0.1\% | $8,247.7$ | 10.9 | 0.1\% | 8,244.9 | ${ }^{13.7}$ | 0.2\% | 8,242.1 | 16.4 | 0.2\% | $8,239.5$ | 19.1 | 0.2\% | 8,2367.7 | 21.9 | 0.3\% |
| ME1 | 47591 | 2015 | Dry | May | - | 1,501.9 | 1,491.1 | 10.8 | 0.7\% | 1,489.6 | 12.3 | 0.8\% | 1,486.6 | 15.3 | 1.0\% | 1,483.6 | 18.3 | 1.2\% | 1,480.6 | 21.3 | 1.4\% | 1,477.4 | 24.4 | 1.6\% |
| ME1 | 47591 | 2015 | Dry | June | - | 642.3 | 627.5 | 14.8 | 2.3\% | 625.4 | 16.9 | 2.6\% | 621.3 | 21.0 | 3.3\% | 617.2 | 25.1 | 3.9\% | 613.1 | 29.2 | 4.6\% | 609.0 | 33.3 | 5.2\% |
| ME1 | 47591 | 2015 | Dry | July | - | 257.8 | 244.9 | 12.9 | 5.0\% | 243.1 | 14.7 | 5.7\% | 239.4 | 18.4 | 7.1\% | ${ }^{235.8}$ | ${ }^{22.0}$ | 8.5\% | ${ }^{232.1}$ | 25.7 | 10.0\% | 228.5 | 29.3 | 11.4\% |
| ME1 | 47591 | 2015 | Dry | August | -- | 153.1 | 141.5 | 11.6 | 7.5\% | 139.9 | 13.2 | 8.6\% | 136.6 | 16.5 | 10.8\% | 133.3 | 19.8 | 12.9\% | 130.0 | 23.1 | 15.1\% | 126.7 | 26.4 | 17.2\% |
| ME1 | 47591 | 2015 | Dry | September | Used in Summary Table Analysis | 109.1 | 99.2 | 9.9 | 9.1\% | 97.8 | ${ }^{11.3}$ | 10.4\% | 94.4 | 14.6 | 13.4\% | ${ }^{91.3}$ | 17.8 | 16.3\% | 88.0 56.6 | 21.1 | 19.3\% | 84.7 | 24.3 | 22.3\% |
| ME1 | 47591 | 2016 | Above Normal | October | Used in Summary Table Analysis | 75.0 | 65.6 | 9.4 | 12.6\% | 64.2 | 10.8 | 14.4\% | 61.7 | 13.4 | 17.8\% | 59.1 | 16.0 | 21.3\% | 55.6 | 18.5 | 24.6\% | 54.2 | 20.8 | 27.7\% |
| ME1 | 47591 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,750.6 | 3,744.4 | 6.1 | 0.2\% | 3,743.6 | ${ }^{6.9}$ | 0.2\% | 3,741.9 | 8.7 | 0.2\% | 3,740.0 | 10.5 | 0.3\% | $3,788.3$ 36,094 | 12.3 | 0.3\% | $3,736.5$ 6, | 14.1 | 0.4\% |
| ME1 | 47591 | 2016 | Above Normal | December - |  | 36,049.8 | 36,045.1 | 4.6 | 0.0\% | 36,044.0 | 5.8 | 0.0\% | 36,042.8 | 6.9 | 0.0\% | 36,040.5 | 9.3 | 0.0\% | 36,039.4 | 10.4 | 0.0\% | 36,038.2 | 11.6 | 0.0\% |
| ME1 ME 1 | 47591 47591 | 2016 | Above Normal Above Normal | January February - |  | $56,733.4$ 241667 | $56,717.6$ 24163, | 5.8 3.5 | -0.0\% | 56,717.6 24, | 5.8 4.6 | - | 56,716.4 $24,160.9$ | 6.9 5.8 | - | $56,744.1$ 24,159.7 | 9.3 6.9 | -0.0\% | 56,713.0 24,158.6 | 10.4 8.1 | -0.0\% | 566,711.8 | 11.6 9.3 | -0.0\% |
| ME1 | 47591 | 2016 | Above Normal | March | -- | 41,497.7 | 41,493.1 | 4.6 | 0.0\% | 41,493.1 | 4.6 | 0.0\% | 41,491.9 | 5.8 | 0.0\% | 41,490.7 | 6.9 | 0.0\% | 41,489.6 | 8.1 | 0.0\% | 41,488.4 | 9.3 | 0.0\% |
| ME1 | 47591 | 2016 | Above Normal | April | - | 18,454.9 | 18,451.4 | 3.5 | 0.0\% | 18,451.4 | 3.5 | 0.0\% | 18,450.2 | 4.6 | 0.0\% | 18,449.1 | 5.8 | 0.0\% | 18,447.9 | 6.9 | 0.0\% | 18,446.8 | 8.1 | 0.0\% |
| ME1 | 47591 | 2016 | Above Normal | May | - | 5,183.2 | 5,178.4 | 4.9 | 0.1\% | 5,177.7 | 5.6 | 0.1\% | 5,176.4 | 6.8 | 0.1\% | 5,175.0 | 8.2 | 0.2\% | 5,173.6 | ${ }^{9.6}$ | 0.2\% | 5,172.2 | 11.0 | 0.2\% |
| ME1 | 47591 | 2016 | Above Normal | June | - | 1,493.6 | 1,482.4 | 11.2 | 0.8\% | 1,480.8 | 12.8 | 0.9\% | 1,477.7 | 16.0 | 1.1\% | 1,474.5 | 19.1 | 1.3\% | 1,471.4 | 22.2 | 1.5\% | 1,468.3 | 25.3 | 1.7\% |
| ME1 | 47591 | 2016 | Above Normal | July | - | 806.3 | 795.1 | 11.1 | 1.4\% | 793.5 | 12.7 | 1.6\% | 790.4 | 15.9 | 2.0\% | 787.2 | 19.0 | 2.4\% | 784.1 | 22.2 | 2.7\% | 781.0 | 25.3 | 3.1\% |
| ME1 | 47591 | 2016 | Above Normal | August | -- | 474.4 | 464.3 | 10.1 | 2.1\% | 462.8 | 11.6 | 2.4\% | 460.0 | 14.4 | 3.0\% | 457.1 | 17.3 | 3.6\% | 454.2 | 20.2 | 4.2\% | 451.4 | 23.0 | 4.9\% |
| ME1 | 47591 | 2016 | Above Normal | September | Used in Summary Table Analysis | 311.6 | 303.2 | 8.4 | 2.7\% | 301.3 | 10.3 | 3.3\% | 298.7 | 12.9 | 4.1\% | 295.9 | 15.7 | 5.0\% | 293.2 | 18.4 | 5.9\% | 290.5 | 21.2 | 6.8\% |
| ME1 | 47591 | 2017 | Wet | October | Used in Summary Table Analysis | 18,057.9 | 18,050.9 | 6.9 | 0.0\% | 18,049.8 | 8.1 | 0.0\% | 18,047.5 | 10.4 | 0.1\% | 18,046.3 | 11.6 | 0.1\% | 18,042.8 | 15.0 | 0.1\% | 18,041.7 | 16.2 | 0.1\% |
| ME1 | 47591 | 2017 | Wet | November | Used in Summary Table Analysis | 18,574.1 | 18,568.3 | 5.8 | 0.0\% | 18,568.3 | 5.8 | 0.0\% | 18,56.0 | 8.1 | 0.0\% | 18,564.8 | 9.3 | 0.0\% | 18,563.7 | 10.4 | 0.1\% | 18,562.5 | 11.6 | 0.1\% |
| ME1 | 47591 | 2017 | Wet | December - | - | ${ }_{\text {23,725.7 }}$ | $23,721.1$ 105772.4 | 4.6 | 0.0\% | $23,719.9$ 10577.4 | 5.8 | 0.0\% | $23,718.8$ 1057, | ${ }_{5}^{6.9}$ | 0.0\% | $23,717.6$ 1057, | 8.1 | 0.0\% | $23,716.4$ 105739 | ${ }^{9.3}$ | 0.0\% | $23,715.3$ 105627 | 10.4 | 0.0\% |
| ME 1 | 47591 | 2017 | Wet | January - | - | 105,772.0 | 105,767.4 | 4.6 | 0.0\% | 105,767.4 | 4.6 | 0.0\% | 105,766.2 | 5.8 | 0.0\% | 105,765.0 | 6.9 | 0.0\% | 105,763.9 | 8.1 | 0.0\% | 105,762.7 | 9.3 | 0.0\% |

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At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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At Surface Water Depletion Locations of Interest
Eel River valley Groundwater Sustainability Plan

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At Surface Water Depletion Locations of interest
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At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

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At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  | (Row, Column, Surface Water Reach) | Water Year Water Year Type |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
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| Surface Water Depletion Area Area of Interes |  |  |  | Month | Note | Without <br> Pumping <br> (cfs) | Flow (cfs) |  | Percent Difference | Flow (cts) | $\begin{aligned} & \text { Fiow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Diffow } \\ & \text { Difference } \end{aligned}$ (ffs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Diflow } \\ \begin{array}{c} \text { Diference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| ME3 | 395810 | 2008 | Dry | February - | -- | 26,222.2 | 26,216.4 | 5.8 | 0.0\% | 26,215.3 | 6.9 | 0.0\% | 26,214.1 | 8.1 | 0.0\% | 26,211.8 | 10.4 | 0.0\% | 26,210.6 | 11.6 | 0.0\% | 26,208.3 | 13.9 | 0.1\% |
| ME3 | 395810 | 2008 | Dry | March |  | 11,770.8 | 11,765.0 | 5.8 | 0.0\% | 11,765.0 | 5.8 | 0.0\% | 11,762.7 | 8.1 | 0.1\% | 11,761.6 | 9.3 | 0.1\% | 11,759.3 | 11.6 | 0.1\% | 11,758.1 | 12.7 | 0.1\% |
| ме3 | 395810 | 2008 | Dry | April | - | 8,997.7 | 8,984.5 | 13.2 | 0.1\% | 8,982.6 | 15.0 | 0.2\% | 8,978.8 | 18.9 | 0.2\% | 8,975.0 | 22.7 | 0.3\% | 8,971.2 | 26.5 | 0.3\% | 8,967.5 | 30.2 | 0.3\% |
| ME3 | 395810 | 2008 | Dry | May | - | 1,358.6 | 1,344.7 | 13.9 | 1.0\% | 1,342.7 | 15.9 | 1.2\% | 1,338.7 | 19.9 | 1.5\% | 1,334.8 | 23.7 | 1.7\% | 1,331.0 | 27.5 | 2.0\% | 1,327.3 | 31.3 | 2.3\% |
| ME3 | 395810 | 2008 | Dry | June | - | 431.9 | 411.6 | 20.3 | 4.7\% | 408.7 | 23.1 | 5.4\% | 403.0 | 28.9 | 6.7\% | 397.3 | 34.5 | 8.0\% | 391.6 | 40.3 | 9.3\% | 385.9 | 45.9 | 10.6\% |
| ME3 | 395810 | 2008 | Dry | July | - | 25.5 | 231.3 | 19.2 | 7.7\% | 228.5 | 21.9 | 8.8\% | 223.0 | 27.4 | 10.9\% | 217.6 | 32.9 | 13.1\% | 212.1 | 38.3 | 15.3\% | 206.7 | 43.8 | 17.5\% |
| ME3 | 395810 | 2008 | Dry | August | -- | 173.6 | 155.3 | 18.3 | 10.5\% | 152.7 | 20.9 | 12.0\% | 147.5 | 26.1 | 15.0\% | 142.3 | 31.3 | 18.0\% | 137.1 | 36.5 | 21.0\% | 131.9 | 41.7 | 24.0\% |
| ме3 | 395810 | 2008 | Dry | September | Used in Summary Table Analysis | 135.4 | 118.0 | 17.4 | 12.9\% | 115.5 | 19.9 | 14.7\% | 110.5 | 24.9 | 18.4\% | 105.5 | 29.9 | 22.1\% | 100.5 | 34.9 | 25.7\% | 95.6 | 39.8 | 29.4\% |
| мез | 395810 | 2009 | Critical | October | Used in Summary Table Analysis | 916.5 | 903.3 | 13.1 | 1.4\% | 901.4 | 15.1 | 1.6\% | 897.7 | 18.8 | 2.1\% | 893.9 | 22.6 | 2.5\% | 890.3 | 26.2 | 2.9\% | 886.5 | 30.0 | 3.3\% |
| ме3 | 395810 | 2009 | Critical | November | Used in Summary Table Analysis | 5,462.0 | 5,452.2 | 9.8 | 0.2\% | 5,450.8 | 11.2 | 0.2\% | 5,447.9 | 14.1 | 0.3\% | 5,445.1 | 16.9 | 0.3\% | 5,442.2 | 19.8 | 0.4\% | 5,439.5 | 22.6 | 0.4\% |
| ME3 | 395810 | 2009 | Critical | December - | -- | 12,063.7 | 12,055.6 | 8.1 | 0.1\% | 12,054.4 | 9.3 | 0.1\% | 12,052.1 | 11.6 | 0.1\% | 12,049.8 | 13.9 | 0.1\% | 12,046.3 | 17.4 | 0.1\% | 12,044.0 | 19.7 | 0.2\% |
| ME3 | 395810 | 2009 | Critical | January |  | 8,765.7 | 8,758.1 | 7.6 | 0.1\% | 8,757.1 | 8.7 | 0.1\% | 8,754,7 | 11.0 | 0.1\% | 8,752.5 | 13.2 | 0.2\% | 8,750.3 | 15.4 | 0.2\% | 8,748.1 | 17.6 | 0.2\% |
| ме3 | 395810 | 2009 | Critical | February | -- | 22,528.9 | 22,523.1 | 5.8 | 0.0\% | 22,522.0 | 6.9 | 0.0\% | 22,519.7 | 9.3 | 0.0\% | 22,518.5 | 10.4 | 0.0\% | 22,516.2 | 12.7 | 0.1\% | 22,513.9 | 15.0 | 0.1\% |
| ME3 | 395810 | 2009 | Critical | March | -- | 21,056.7 | 21,050.9 | 5.8 | 0.0\% | 21,049.8 | 6.9 | 0.0\% | 21,048.6 | 8.1 | 0.0\% | 21,046.3 | 10.4 | 0.0\% | 21,045.1 | 11.6 | 0.1\% | 21,042.8 | 13.9 | 0.1\% |
| ме3 | 395810 | 2009 | Critical | April | - | 10,086.7 | 10,073.0 | 13.7 | 0.1\% | 10,071.1 | 15.6 | 0.2\% | 10,067.1 | 19.6 | 0.2\% | 10,063.2 | 23.5 | 0.2\% | 10,059.3 | 27.4 | 0.3\% | 10,055.3 | 31.4 | 0.3\% |
| ME3 | 395810 | 2009 | Critical | May | - | 15,549.8 | 15,533.6 | 16.2 | 0.1\% | 15,531.3 | 18.5 | 0.1\% | 15,525.5 | 24.3 | 0.2\% | 15,520.8 | 28.9 | 0.2\% | 15,516.2 | 33.6 | 0.2\% | 15,511.6 | 38.2 | 0.2\% |
| ME3 | 395810 | 2009 | Critical | June |  | 3,152.7 | 3,131.0 | 21.6 | 0.7\% | 3,128.0 | 24.7 | 0.8\% | 3,121.8 | 30.9 | 1.0\% | 3,115.6 | 37.0 | 1.2\% | 3,109.5 | 43.2 | 1.4\% | 3,103.4 | 49.3 | 1.6\% |
| ME3 | 395810 | 2009 | Critical | July | - | 1,256.1 | 1,236.7 | 19.4 | 1.5\% | 1,233.9 | 22.2 | 1.8\% | 1,228.4 | 27.8 | 2.2\% | 1,222.9 | 33.2 | 2.6\% | 1,217.5 | 38.7 | 3.1\% | 1,212.0 | 44.1 | 3.5\% |
| ME3 | 395810 | 2009 | Critical | August | -- | 662.0 | 643.6 | 18.4 | 2.8\% | 641.0 | 21.0 | 3.2\% | 635.8 | 26.3 | 4.0\% | 630.6 | 31.5 | 4.8\% | 625.3 | 36.7 | 5.6\% | 620.1 | 42.0 | 6.3\% |
| ме3 | 395810 | 2009 | Critical | September | Used in Summary Table Analysis | 383.8 | 367.7 | 16.1 | 4.2\% | 365.5 | 18.3 | 4.8\% | 360.9 | 22.9 | 6.0\% | 356.3 | 27.5 | 7.2\% | 351.7 | 32.1 | 8.4\% | 347.1 | 36.7 | 9.6\% |
| ME3 | 395810 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,079.5 | 6,066.3 | 13.2 | 0.2\% | 6,064.4 | 15.2 | 0.2\% | 6,060.6 | 18.9 | 0.3\% | 6,056.8 | 22.7 | 0.4\% | 6,053.1 | 26.4 | 0.4\% | 6,049.3 | 30.2 | 0.5\% |
| ME3 | 395810 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,256.1 | 8,245.9 | 10.2 | 0.1\% | 8,244.6 | 11.6 | 0.1\% | 8,241.7 | 14.5 | 0.2\% | 8,238.7 | 17.5 | 0.2\% | 8,235.8 | 20.4 | 0.2\% | 8,232.9 | 23.3 | 0.3\% |
| ME3 | 395810 | 2010 | Below Normal | December - |  | 12,289.4 | 12,280.1 | 9.3 | 0.1\% | 12,278.9 | 10.4 | 0.1\% | 12,276.6 | 12.7 | 0.1\% | 12,274.3 | 15.0 | 0.1\% | 12,272.0 | 17.4 | 0.1\% | 12,269.7 | 19.7 | 0.2\% |
| ME3 | 395810 | 2010 | Below Normal | January | -- | 36,019.7 | 36,011.6 | 8.1 | 0.0\% | 36,010.4 | 9.3 | 0.0\% | 36,008.1 | 11.6 | 0.0\% | 36,005.8 | 13.9 | 0.0\% | 36,003.5 | 16.2 | 0.0\% | 36,001.2 | 18.5 | 0.1\% |
| ме3 | 395810 | 2010 | Below Normal | February | -- | 27,181.7 | 27,175.9 | 5.8 | 0.0\% | 27,174.8 | 6.9 | 0.0\% | 27,172.5 | 9.3 | 0.0\% | 27,170.1 | 11.6 | 0.0\% | 27,169.0 | 12.7 | 0.0\% | 27,166.7 | 15.0 | 0.1\% |
| ME3 | 395810 | 2010 | Below Normal | March | -- | 28,782.4 | 28,776.6 | 5.8 | 0.0\% | 28,775.5 | 6.9 | 0.0\% | 28,773.1 | 9.3 | 0.0\% | 28,772.0 | 10.4 | 0.0\% | 28,769.7 | 12.7 | 0.0\% | 28,768.5 | 13.9 | 0.0\% |
| ME3 | 395810 | 2010 | Below Normal | April | - | 39,915.5 | 39,099.7 | 5.8 | 0.0\% | 39,908.6 | 6.9 | 0.0\% | 39,907.4 | 8.1 | 0.0\% | 39,005.1 | 10.4 | 0.0\% | 39,902.8 | 12.7 | 0.0\% | 39,901.6 | 13.9 | 0.0\% |
| ME3 | 395810 | 2010 | Below Normal | May | - | 20,192.1 | 20,178.2 | 13.9 | 0.1\% | 20,175.9 | 16.2 | 0.1\% | 20,172.5 | 19.7 | 0.1\% | 20,167.8 | 24.3 | 0.1\% | 20,164.4 | 27.8 | 0.1\% | 20,159.7 | 32.4 | 0.2\% |
| ME3 | 395810 | 2010 | Below Normal | June | - | 9,289.2 | 9,268.5 | 20.7 | 0.2\% | 9,265.5 | 23.7 | 0.3\% | 9,259.7 | 29.5 | 0.3\% | 9,253.9 | 35.3 | 0.4\% | 9,248.1 | 41.1 | 0.4\% | 9,242.4 | 46.9 | 0.5\% |
| ме3 | 395810 | 2010 | Below Normal | July | - | 1,447.9 | 1,430.1 | 17.8 | 1.2\% | 1,427.5 | 20.4 | 1.4\% | 1,422.5 | 25.5 | 1.8\% | 1,417.2 | 30.7 | 2.1\% | 1,412.2 | 35.8 | 2.5\% | 1,407.3 | 40.6 | 2.8\% |
| ME3 | 395810 | 2010 | Below Normal | August | 兂 | 560.8 | 544.9 | 15.9 | 2.8\% | 542.7 | 18.2 | ${ }^{3.2 \%}$ | 538.1 | 22.7 | 4.1\% | 533.6 | 27.2 | 4.8\% | 529.1 | 31.7 | 5.7\% | 524.6 | ${ }^{36.3}$ | ${ }^{6.5 \%}$ |
| ME3 | 395810 | 2010 | Below Normal | September | Used in Summary Table Analysis | 642.9 | 627.8 | 15.1 | ${ }^{2.3 \%}$ | ${ }_{625.6}$ | 17.2 | 2.7\% | 621.3 | 22.5 | 3.4\% | 617.1 | ${ }^{25.8}$ | 4.0\% | 612.8 | ${ }^{30.1}$ | 4.7\% | 608.5 | 34.4 | 5.4\% |
| ME3 | 395810 395810 | 2011 | Wet Wet | October | Used in Summary Table Analysis | 9,586.9 <br> 14.1667 <br> 3.97 | 9,576.0 141586 | 10.9 81 | 0.1\% | 9,574.4 <br> 141574 | 12.5 | 0.1\% |  | 15.6 11.6 | 0.2\% |  | 18.8 139 | 0.2\% | $9,565.0$ O 14150.5 | 21.9 16.2 | 0.2\% | 9,561.9 <br> 141488 | 25.0 185 18.5 | 0.3\% |
| ME <br> ME | 395810 | 2011 | Wet Wet | November December -- | Used in Summary Table Analysis | $14,166.7$ $33,493.1$ 1,1 | $14,158.6$ $33,486.1$ | $\begin{aligned} & 8.1 \\ & 6.9 \end{aligned}$ | 0.1\% | $14,157.4$ $33,485.0$ | $\begin{aligned} & 9.3 \\ & 8.1 \end{aligned}$ | $\begin{aligned} & 0.1 \% \\ & 0.0 \% \end{aligned}$ | 14,155.1 | $\begin{aligned} & 11.6 \\ & 10.4 \end{aligned}$ | 0.1\% | 14,152.8 <br> 33,480.3 | $\begin{aligned} & 13.9 \\ & 12.9 \end{aligned}$ | 0.1\% | $14,150.5$ $33,478.0$ | $\begin{aligned} & 16.2 \\ & 15.0 \end{aligned}$ | 0.0.1\% | $14,148.1$ $33,476.9$ | 18.5 16.2 | 0.1\% |
| ME3 | 395810 | 2011 | Wet | January | -- | 14,114.6 | 14,107.6 | 6.9 | 0.0\% | 14,106.5 | 8.1 | 0.1\% | 14,105.3 | 9.3 | 0.1\% | 14,103.0 | 11.6 | 0.1\% | 14,101.9 | 12.7 | 0.1\% | 14,099.5 | 15.0 | 0.1\% |
| ме3 | 395810 | 2011 | Wet | February |  | 20,726.9 | 20,721.1 | 5.8 | 0.0\% | 20,719.9 | 6.9 | 0.0\% | 20,718.8 | 8.1 | 0.0\% | 20,716.4 | 10.4 | 0.1\% | 20,715.3 | 11.6 | 0.1\% | 20,713.0 | 13.9 | 0.1\% |
| ME3 | 395810 | 2011 | Wet | March | -- | 51,869.2 | 51,863.4 | 5.8 | 0.0\% | 51,862.3 | 6.9 | 0.0\% | 51,861.1 | 8.1 | 0.0\% | 51,858.8 | 10.4 | 0.0\% | 51,857.6 | 11.6 | 0.0\% | 51,855.3 | 13.9 | 0.0\% |
| ME3 | 395810 | 2011 | Wet | April | - | 24,750.0 | 24,745.4 | 4.6 | 0.0\% | 24,744.2 | 5.8 | 0.0\% | 24,743.1 | 6.9 | 0.0\% | 24,740.7 | 9.3 | 0.0\% | 24,739.6 | 10.4 | 0.0\% | 24,737.3 | 12.7 | 0.1\% |
| ме3 | 395810 | 2011 | Wet | May | - | 11,357.9 | 11,344.7 | 13.2 | 0.1\% | 11,342.7 | 15.2 | 0.1\% | 11,338.9 | 19.0 | 0.2\% | 11,335.1 | 22.8 | 0.2\% | 11,331.3 | 26.6 | 0.2\% | 11,327.4 | 30.4 | 0.3\% |
| ME3 | 395810 | 2011 | Wet | June | - | 7,032.11 | 7,011.8 | ${ }^{20.3}$ | 0.3\% | 7,009.0 | 23.0 | 0.3\% | 7,003.2 | 28.8 | 0.4\% | 6,997.6 | 34.5 | 0.5\% | 6,991.8 | 40.3 | 0.6\% | 6,986.1 | 45.9 | ${ }^{0.7 \%}$ |
| M $\mathrm{EB}^{3}$ | 395810 | 2011 | Wet | July | - | $1,823.8$ 7688 | $1,804.5$ 754.1 | 19.3 | ${ }^{1.1 \%}$ | $1,851.7$ 7519 | 22.1 | ${ }^{1.2 \%}$ | ${ }^{1,7966.3}$ | 27.5 | ${ }^{1.5 \%}$ | ${ }^{1,790.7}$ | 33.1 | 1.8\% | 1,7855 <br> 7385 | 38.5 <br> 31.4 | ${ }^{2.1 \%}$ | 1,779.9 | 44.0 35.8 | 2.4\% |
| ME3 ${ }_{\text {M }}$ | 395810 395810 | 2011 | Wet Wet | August September | -- Used in Summary Table Analysis | 769.8 426.5 | 754.1 4127 | 15.7 139 | $2.0 \%$ $3.3 \%$ | 751.9 4107 | 17.9 159 | $2.3 \%$ $3.7 \%$ 0 | 747.4 406.7 | 22.4 198 | $2.9 \%$ $4.6 \%$ | 743.0 4028 | 26.9 237 | $3.5 \%$ $5.6 \%$ 0.6 | 738.5 3988 | 31.4 27.7 | 4.1\% | 734.0 3949 | 35.8 31.6 | 4.6\% |
| ME 3 ME | 395810 395810 | 2011 | Wet Below Normal | September October | C Used in Summary Table Analysis | ${ }^{426.5}$ | 412.7 4.505 .7 | 13.9 11.0 | $3.3 \%$ $0.2 \%$ | 410.7 4.504 .1 | 15.9 12.6 | $3.7 \%$ $0.3 \%$ | 406.7 4.500 .9 | 19.8 15.7 | 4.6\% | 402.8 $4,497.8$ | 23.7 18.9 | 5.6\% | 398.8 $4,494.6$ | 27.7 22.1 | ${ }_{\text {6.5\% }}^{6.5}$ | 394.9 $4,491.4$ | 31.6 25.2 | $7.4 \%$ $0.6 \%$ |
| ME3 | 395810 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,189.5 | 8,180.8 | 8.7 | 0.1\% | 8,179.6 | 9.8 | 0.1\% | 8,177.1 | 12.4 | 0.2\% | 8,174.7 | 14.8 | 0.2\% | 8,172.1 | 17.4 | 0.2\% | 8,169.6 | 19.9 | 0.2\% |
| ме3 | 395810 | 2012 | Below Normal | December - |  | 5,160.5 | 5,153.2 | 7.3 | 0.1\% | 5,152.2 | 8.3 | 0.2\% | 5,150.0 | 10.5 | 0.2\% | 5,147.9 | 12.6 | 0.2\% | 5,145.7 | 14.8 | 0.3\% | 5,143.6 | 16.9 | 0.3\% |
| ME3 | 395810 | 2012 | Below Normal | January | -- | 19,980.3 | 19,974.5 | 5.8 | 0.0\% | 19,973.4 | 6.9 | 0.0\% | 19,971.1 | 9.3 | 0.0\% | 19,968.8 | 11.6 | 0.1\% | 19,967.6 | 12.7 | 0.1\% | 19,965.3 | 15.0 | 0.1\% |
| ME3 | 395810 | 2012 | Below Normal | February |  | 18,172.5 | 18,165.5 | 6.9 | 0.0\% | 18,165.5 | 6.9 | 0.0\% | 18,163.2 | 9.3 | 0.1\% | 18,162.0 | 10.4 | 0.1\% | $18,159.7$ 45,24, | ${ }_{12.7}^{12.6}$ | 0.1\% | ${ }^{18,158.6}$ | 13.9 | 0.1\% |
| ME3 | 395810 | 2012 | Below Normal | March | -- | 45,266.2 | 45,260.4 | 5.8 | 0.0\% | 45,259.3 | 6.9 | 0.0\% | 45,258.1 | 8.1 | 0.0\% | 45,255.8 | 10.4 | 0.0\% | 45,254.6 | 11.6 | 0.0\% | 45,252.3 | 13.9 | 0.0\% |
| ME ${ }^{3}$ | 395810 | 2012 | Below Normal | April | - | 26,799.8 | 26,794.0 | 5.8 | 0.0\% | 26,792.8 | ${ }^{6.9}$ | 0.0\% | $26,791.7$ 74472 | 8.1 | 0.0\% | $26,790.5$ 74434 | 923 | 0.0\% | $26,788.2$ 7839 | ${ }_{21.6}$ | $0.0 \%$ $0.4 \%$ 0 | $26,787.0$ $7,435.9$ | 12.7 30. | 0.0\% $0.4 \%$ $0.9 \%$ |
| ME3 ${ }_{\text {M }}$ | 395810 | 2012 | Below Normal | May | - | 7,466.2 | 7,453.0 | 13.2 | 0.2\% | 7,451.2 | 15.0 | 0.2\% | 7,447.2 | 19.0 | 0.3\% | 7,443.4 | 22.8 | 0.3\% | 7,439.6 | 26.6 | 0.4\% | 7,435.9 | 30.3 | $0.4 \%$ $0.9 \%$ |
| ME3 ${ }_{\text {M }}$ | 395810 | 2012 | Below Normal | June | - | 5,491.7 | 5,471.1 | 20.6 | ${ }^{0.4 \%}$ | 5,468.2 | 23.5 | ${ }^{0.4 \%}$ | 5,462.4 | 29.3 | 0.5\% | 5,456.6 | 35.1 | ${ }^{0.6 \%}$ | 5,450.8 | 40.9 37.6 | 0.7\% | $\begin{array}{r}5,444.9 \\ \text {, } 2165 \\ \hline\end{array}$ | 46.8 | 0.9\% |
| ME3 <br> ME | 395810 395810 | 2012 | Below Normal Below Normal | July $\begin{aligned} & \text { Jugust }\end{aligned}$ | -- | $2,208.1$ 382.8 | $2,189.2$ 368.2 | 18.9 14.6 | 0.9\% 3.8\% | $2,186.6$ 366.1 | 21.5 16.7 | 1.0\% | 2,181.3 362.0 | 26.9 20.8 | $1.2 \%$ $5.4 \%$ | 2,175.9 357.8 | 32.2 25.0 | 1.5\% 6.5 | $2,170.5$ 353.7 | 37.6 29.1 | 7.7.7\% | 2,165.2 349.5 | 42.9 33.2 | 1.9\% |
| ME3 | 395810 | 2012 | Below Normal | September | Used in Summary Table Analysis | 242.4 | 229.7 | 12.8 | 5.3\% | 227.9 | 14.5 | 6.0\% | 224.3 | 18.2 | 7.5\% | 220.7 | 21.8 | 9.0\% | 217.1 | 25.4 | 10.5\% | 213.4 | 29.0 | 12.0\% |
| ме3 | 395810 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,894.9 | 1,884.0 | 10.9 | 0.6\% | 1,882.5 | 12.4 | 0.7\% | 1,879.4 | 15.5 | 0.8\% | 1,876.4 | 18.5 | 1.0\% | 1,873.3 | 21.6 | 1.1\% | 1,870.1 | 24.8 | 1.3\% |
| ME3 | 395810 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,598.4 | 14,590.3 | 8.1 | 0.1\% | 14,589.1 | 9.3 | 0.1\% | 14,586.8 | 11.6 | 0.1\% | 14,584.5 | 13.9 | 0.1\% | 14,581.0 | 17.4 | 0.1\% | 14,578.7 | 19.7 | 0.1\% |
| ME3 ${ }^{\text {a }}$ | 395810 | 2013 | Below Normal | December |  | 59,798.6 | 59,791.7 | 6.9 | 0.0\% | 59,790.5 | 8.1 | 0.0\% | 59,788.2 | 10.4 | 0.0\% | 59,785.9 | 12.7 | ${ }^{0.0 \%}$ | 59,783.6 | 15.0 | 0.0\% | $59,781.3$ 221273 | 17.4 | 0.0\% |
| меЗ | 395810 | 2013 | Below Normal | January | -- | 22,142.4 | 22,135.4 | 6.9 | 0.0\% | 22,134.3 | 8.1 | 0.0\% | 22,133.1 | 9.3 | 0.0\% | 22,130.8 | 11.6 | 0.1\% | 22,128.5 | 13.9 | 0.1\% | 22,127.3 | 15.0 | 0.1\% |
| ME3 | 395810 | 2013 | Below Normal | February | -- | 8,816.6 | 8,810.5 | 6.0 | 0.1\% | 8,809.7 | 6.8 | 0.1\% | 8,807.9 | 8.7 | 0.1\% | 8,806.1 | 10.4 | 0.1\% | 8,804.4 | 12.2 | 0.1\% | 8,802.7 | 13.9 | 0.2\% |
| ME3 | 395810 | 2013 | Below Normal | March | -- | 10,287.8 | 10,282.2 | 5.7 | 0.1\% | 10,281.4 | 6.5 | 0.1\% | 10,279.6 | 8.2 | 0.1\% | 10,278.0 | 9.8 | 0.1\% | 10,276.3 | ${ }^{11.6}$ | 0.1\% | 10,274.5 | 13.3 | 0.1\% |
| ME3 | 395810 | 2013 | Below Normal | April | - | 8,276.4 | 8,264.0 | 12.4 | 0.1\% | 8,262.3 | 14.1 | 0.2\% | 8,258.7 | 17.7 | 0.2\% | 8,255.1 | 21.3 | 0.3\% | 8,251.6 | 24.8 | 0.3\% | 8,248.0 | 28.4 | 0.3\% |
| ME3 | 395810 | 2013 | Below Normal | May | - | 2.7 | 7.8 | 14.9 | 0.3\% | 5 6 | 17.1 | 0.4\% | 4,391.3 | 21.4 | 0.5\% | 4,387.0 | 25.7 | 0.6\% | 82,8 | 30.0 | 0.7\% | 378.5 | 34.3 | 0.8\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  |  |  |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping In |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | $\begin{aligned} & \text { (Row, Column, } \\ & \text { Surface Water } \\ & \text { Reach) } \end{aligned}$ | Water Yea | Water Year Type | Month | Note | Without Pumping <br> (cfs) | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| мез | 395711 | 2003 | Wet | February | - | 20,310.2 | 20,302.1 | 8.1 | 0.0\% | 300.9 | 9.3 | 0.0\% | 20,299.8 | 10.4 | 0.1\% | 20,297.5 | 12.7 | 0.1\% | 20,295.1 | 15.0 | 0.1\% | 292.8 | 17.4 | 1\% |
| ME3 | 395711 | 2003 | Wet | March | - | 23,966.4 | 23,959.5 | 6.9 | 0.0\% | 23,959.5 | 6.9 | 0.0\% | 23,957.2 | 9.3 | 0.0\% | 23,954.9 | 11.6 | 0.0\% | 23,952.5 | 13.9 | 0.1\% | 23,951.4 | 15.0 | 0.1\% |
| ME3 | 395711 | 2003 | Wet | April | - | 42,748.8 | 42,741.9 | 6.9 | 0.0\% | 42,740.7 | 8.1 | 0.0\% | 42,738.4 | 10.4 | 0.0\% | 42,737.3 | 11.6 | 0.0\% | 42,735.0 | 13.9 | 0.0\% | 42,732.6 | 16.2 | 0.0\% |
| ME 3 | 395711 | 2003 | Wet | May | -- | 12,201.4 | 12,186.3 | 15.0 | 0.1\% | 12,184.0 | 17.4 | 0.1\% | 12,180.6 | 20.8 | 0.2\% | 12,175.9 | 25.5 | 0.2\% | 12,172.5 | 28.9 | 0.2\% | 12,167.8 | 33.6 | 0.3\% |
| мез | 395711 | 2003 | wet | June | - | 3,160.6 | 3,142.2 | 18.4 | 0.6\% | 3,139.6 | 21.1 | 0.7\% | 3,134.5 | 26.2 | 0.8\% | 3,129.3 | 31.4 | 1.0\% | 3,124.2 | 36.5 | 1.2\% | 3,119.1 | 41.6 | 1.3\% |
| me 3 | 395711 | 2003 | wet | July | - | 1,467.9 | 1,449.2 | 18.8 | 1.3\% | 1,446.5 | 21.4 | 1.5\% | 1,441.2 | 26.7 | 1.8\% | 1,435.9 | 32.1 | 2.2\% | 1,430.6 | 37.4 | 2.5\% | 1,425.2 | 42.7 | 2.9\% |
| ME3 | 395711 | 2003 | wet | August | -- | 754.4 | 736.6 | 17.9 | 2.4\% | 734.0 | 20.5 | 2.7\% | 728.9 | 25.6 | 3.4\% | 723.8 | 30.6 | 4.1\% | 718.7 | 35.8 | 4.7\% | 713.5 | 41.0 | 5.4\% |
| ME 3 | 395711 | 2003 | Wet | September | Used in Summary Table Analysis | 452.8 | 437.9 | 14.9 | 3.3\% | 435.8 | 17.0 | 3.8\% | 431.5 | 21.3 | 4.7\% | 427.3 | 25.5 | 5.6\% | 423.0 | 29.8 | 6.6\% | 418.8 | 34.0 | 7.5\% |
| me3 | 395711 | 2004 | Wet | October | Used in Summary Table Analysis | 319.9 | 307.8 | 12.1 | 3.8\% | 306.1 | 13.8 | 4.3\% | 302.7 | 17.2 | 5.4\% | 299.2 | 20.7 | 6.5\% | 295.7 | 24.2 | 7.6\% | 292.3 | 27.6 | 8.6\% |
| мез | 395711 | 2004 | Wet | November | Used in Summary Table Analysis | 5,759.0 | 5,749.4 | 9.6 | 0.2\% | 5,748.0 | 11.0 | 0.2\% | 5,745.3 | 13.8 | 0.2\% | 5,742.6 | 16.4 | 0.3\% | 5,739.7 | 19.3 | 0.3\% | 5,736.9 | 22.1 | 0.4\% |
| мез | 395711 | 2004 | Wet | December |  | 36,116.9 | 36,107.6 | 9.3 | 0.0\% | 36,106.5 | 10.4 | 0.0\% | 36,104.2 | 12.7 | 0.0\% | 36,101.9 | 15.0 | 0.0\% | 36,099.5 | 17.4 | 0.0\% | 36,097.2 | 19.7 | 0.1\% |
| me3 | 395711 | 2004 | Wet | January | - | 31,341.4 | 31,333.3 | 8.1 | 0.0\% | 31,332.2 | 9.3 | 0.0\% | 31,329.9 | 11.6 | 0.0\% | 31,328.7 | 12.7 | 0.0\% | 31,326.4 | 15.0 | 0.0\% | 31,324.1 | 17.4 | 0.1\% |
| ME3 | 395711 | 2004 | Wet | February | - | 38,108.8 | 38,101.9 | 6.9 | 0.0\% | 38,100.7 | 8.1 | 0.0\% | 38,099.5 | 9.3 | 0.0\% | 38,097.2 | 11.6 | 0.0\% | 38,094.9 | 13.9 | 0.0\% | 38,092.6 | 16.2 | 0.0\% |
| me3 | 395711 | 2004 | Wet | March | - | 16,500.0 | 16,494.2 | 5.8 | 0.0\% | 16,493.1 | 6.9 | 0.0\% | 16,490.7 | 9.3 | 0.1\% | 16,489.6 | 10.4 | 0.1\% | 16,487.3 | 12.7 | 0.1\% | 16,485.0 | 15.0 | 0.1\% |
| мез | 395711 | 2004 | Wet | April | -- | 9,433.0 | 9,426.9 | 6.1 | 0.1\% | 9,425.9 | 7.1 | 0.1\% | 9,424.1 | 8.9 | 0.1\% | 9,422.3 | 10.6 | 0.1\% | 9,420.5 | 12.5 | 0.1\% | 9,418.6 | 14.4 | 0.2\% |
| me3 | 395711 | 2004 | Wet | May | -- | 3,405.9 | 3,391.8 | 14.1 | 0.4\% | 3,389.7 | 16.2 | 0.5\% | 3,385.6 | 20.3 | 0.6\% | 3,381.6 | 24.3 | 0.7\% | 3,377.5 | 28.4 | 0.8\% | 3,373.5 | 32.4 | 1.0\% |
| me3 | 395711 | 2004 | Wet | June | - | 688.4 | 670.8 | 17.6 | 2.6\% | 668.3 | 20.1 | 2.9\% | 663.3 | 25.1 | 3.6\% | 658.3 | 30.1 | 4.4\% | 653.4 | 35.0 | 5.1\% | 648.4 | 40.0 | 5.8\% |
| ME3 | 395711 | 2004 | Wet | July | - | 351.4 | 333.1 | 18.4 | 5.2\% | 330.4 | 21.0 | 6.0\% | 325.2 | 26.2 | 7.5\% | 320.0 | 31.5 | 9.0\% | 314.7 | 36.7 | 10.4\% | 309.5 | 41.9 | 11.9\% |
| me3 | 395711 | 2004 | Wet | August | -- | 220.8 | 203.8 | 17.0 | 7.7\% | 201.3 | 19.4 | 8.8\% | 196.5 | 24.3 | 11.0\% | 191.6 | 29.1 | 13.2\% | 186.8 | 34.0 | 15.4\% | 181.9 | 38.8 | 17.\% |
| mes | 395711 | 2004 | Wet | September | Used in Summary Table Analysis | 158.2 | 142.2 | 16.0 | 10.1\% | 139.9 | 18.3 | 11.6\% | 135.3 | 22.9 | 14.4\% | 130.8 | 27.4 | 17.3\% | 126.2 | 32.0 | 20.2\% | 121.6 | 36.6 | 23.1\% |
| me3 | 395711 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,625.5 | 7,613.2 | 12.3 | 0.2\% | 7,611.3 | 14.1 | 0.2\% | 7,607.9 | 17.6 | 0.2\% | 7,604.3 | 21.2 | 0.3\% | 7,600.8 | 24.7 | 0.3\% | 7,597.2 | 28.2 | 0.4\% |
| ME3 | 395711 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,248.4 | 2,238.9 | 9.5 | 0.4\% | 2,237.5 | 10.9 | 0.5\% | 2,234.8 | 13.5 | 0.6\% | 2,232.1 | 16.3 | 0.7\% | 2,229.3 | 19.1 | 0.8\% | 2,226.5 | 21.9 | 1.0\% |
| me3 | 395711 | 2005 | Above Normal | December |  | 20,864.6 | 20,856.5 | 8.1 | 0.0\% | 20,855.3 | 9.3 | 0.0\% | 20,853.0 | 11.6 | 0.1\% | 20,850.7 | 13.9 | 0.1\% | 20,848.4 | 16.2 | 0.1\% | 20,846.1 | 18.5 | 0.1\% |
| me3 | 395711 | 2005 | Above Normal | January | - | 22,256.9 | 22,250.0 | 6.9 | 0.0\% | 22,248.8 | 8.1 | 0.0\% | 22,246.5 | 10.4 | 0.0\% | 22,244.2 | 12.7 | 0.1\% | 22,241.9 | 15.0 | 0.1\% | 22,240.7 | 16.2 | 0.1\% |
| мез | 395711 | 2005 | Above Normal | February | -- | 13,988.4 | 13,981.5 | 6.9 | 0.0\% | 13,980.3 | 8.1 | 0.1\% | 13,978.0 | 10.4 | 0.1\% | 13,976.9 | 11.6 | 0.1\% | 13,974.5 | 13.9 | 0.1\% | 13,972.2 | 16.2 | 0.1\% |
| me3 | 395711 | 2005 | Above Normal | March | - | 28,471.1 | 28,464.1 | 6.9 | 0.0\% | 28,463.0 | 8.1 | 0.0\% | 28,460.6 | 10.4 | 0.0\% | 28,459.5 | 11.6 | 0.0\% | 28,457.2 | 13.9 | 0.0\% | 28,456.0 | 15.0 | 0.1\% |
| мез | 395711 | 2005 | Above Normal | April | -- | 21,380.8 | 21,375.0 | 5.8 | 0.0\% | 21,373.8 | 6.9 | 0.0\% | 21,372.7 | 8.1 | 0.0\% | 21,370.4 | 10.4 | 0.0\% | 21,369.2 | 11.6 | 0.1\% | 21,366.9 | 13.9 | 0.1\% |
| me 3 | 395711 | 2005 | Above Normal | May | - | 19,494.2 | 19,479.2 | 15.0 | 0.1\% | 19,476.9 | 17.4 | 0.1\% | 19,473.4 | 20.8 | 0.1\% | 19,468.8 | 25.5 | ${ }^{0.1 \%}$ | 19,465.3 | 28.9 | 0.1\% | 19,460.6 | 33.6 | 0.2\% |
| me3 | 395711 | 2005 | Above Normal | June | - | 15,781.3 | 15,760.4 | 20.8 | 0.1\% | 15,756.9 | 24.3 | 0.2\% | 15,751.2 | 30.1 | 0.2\% | 15,744.2 | 37.0 | 0.2\% | 15,738.4 | 42.8 | 0.3\% | 15,732.6 | 48.6 | 0.3\% |
| мез | 395711 | 2005 | Above Normal | July | - | 2,862.0 | 2,842.8 | 19.2 | 0.7\% | 2,840.2 | 21.9 | 0.8\% | 2,834.7 | 27.3 | 1.0\% | 2,829.3 | 32.8 | 1.1\% | 2,823.8 | 38.2 | 1.3\% | 2,818.4 | 43.6 | 1.5\% |
| me3 | 395711 | 2005 | Above Normal | August | - | 977.0 | 960.1 | 17.0 | 1.7\% | 957.6 | 19.4 | 2.0\% | 952.8 | 24.2 | 2.5\% | 948.0 | 29.1 | 3.0\% | 943.1 | 33.9 | 3.5\% | 938.3 | 38.7 | 4.0\% |
| mes | 395711 | 2005 | Above Normal | September | Used in Summary Table Analysis | 518.8 | 504.1 | 14.7 | 2.8\% | 502.0 | 16.9 | 3.2\% | 497.8 | 21.1 | 4.1\% | 493.6 | 25.3 | 4.9\% | 489.4 | 29.4 | 5.7\% | 485.2 | 33.6 | 6.5\% |
| ME3 | 395711 | 2006 | Wet | October | Used in Summary Table Analysis | 627.9 | 616.2 | 11.7 | 1.9\% | 614.5 | 13.4 | 2.1\% | 611.2 | 16.7 | 2.7\% | 607.8 | 20.1 | 3.2\% | 604.5 | 23.4 | 3.7\% | 601.1 | 26.8 | 4.3\% |
| ME3 | 395711 | 2006 | Wet | November | Used in Summary Table Analysis | 9,231.6 | 9,222.5 | 9.1 | 0.1\% | 9,221.2 | 10.4 | 0.1\% | 9,218.5 | ${ }^{33.1}$ | 0.1\% | 9,216.0 | 15.6 | 0.2\% | 9,213.3 | 18.3 | 0.2\% | ${ }^{9,210.6}$ | 20.9 | 0.2\% |
| me3 | 395711 | 2006 | Wet | December | -- | 43,255.8 | 43,247.7 | 8.1 | 0.0\% | 43,246.5 | 9.3 | 0.0\% | 43,24. 2 | 11.6 | 0.0\% | 43,241.9 | 13.9 | 0.0\% | 43,239.6 | 16.2 | 0.0\% | 43,236.1 | 19.7 | 0.0\% |
| me3 | 395711 | 2006 | Wet | January | - | 46,077.5 | 46,070.6 | 6.9 | 0.0\% | 46,069.4 | 8.1 | 0.0\% | 46,067.1 | 10.4 | 0.0\% | 46,064.8 | 12.7 | 0.0\% | 46,062.5 | 15.0 | 0.0\% | 46,060.2 | 17.4 | 0.0\% |
| мез | 395711 | 2006 | Wet | February |  | 26,524.3 | 26,517.4 | 6.9 | 0.0\% | 26,516.2 | 8.1 | 0.0\% | 26,513.9 | 10.4 | 0.0\% | 26,512.7 | 11.6 | 0.0\% | 26,510.4 | 13.9 | 0.1\% | 26,508.1 | 16.2 | 0.1\% |
| ME3 | 395711 | 2006 | Wet | March | - | 46,985.0 | 46,978.0 | 6.9 | 0.0\% | 46,978.0 | 6.9 | 0.0\% | 46,975.7 | 9.3 | 0.0\% | 46,973.4 | 11.6 | 0.0\% | 46,972.2 | 12.7 | 0.0\% | 46,969.9 | 15.0 | 0.0\% |
| ME3 | 395711 | 2006 | Wet | April | - | 30,358.8 | 30,353.0 | 5.8 | 0.0\% | 30,351.9 | 6.9 | 0.0\% | 30,350.7 | 8.1 | 0.0\% | 30,348.4 | 10.4 | 0.0\% | 30,347.2 | 11.6 | 0.0\% | 30,344.9 | 13.9 | 0.0\% |
| me 3 | 395711 | 2006 | Wet | May | -- | 14,166.7 | 14,158.6 | 8.1 | 0.1\% | 14,157.4 | 9.3 | 0.1\% | 14,155.1 | 11.6 | 0.1\% | 14,152.8 | 13.9 | 0.1\% | 14,149.3 | 17.4 | 0.1\% | 14,147.0 | 19.7 | 0.1\% |
| me3 | 395711 | 2006 | Wet | June | - | 3,542.2 | 3,524.5 | 17.7 | 0.5\% | 3,522.0 | 20.3 | 0.6\% | 3,516.9 | 25.3 | 0.7\% | 3,511.9 | 30.3 | 0.9\% | 3,506.9 | 35.3 | 1.0\% | 3,502.0 | 40.3 | 1.1\% |
| мез | 395711 | 2006 | Wet | July | - | 1,272.3 | 1,254.1 | 18.3 | 1.4\% | 1,251.5 | 20.8 | 1.6\% | 1,246.3 | 26.0 | 2.0\% | 1,241.1 | 31.3 | 2.5\% | 1,235.9 | 36.5 | 2.9\% | 1,230.8 | 41.6 | 3.3\% |
| ME 3 | 395711 | 2006 | Wet | August | - | 658.6 | 641.2 | 17.4 | 2.6\% | ${ }^{638.7}$ | 19.9 | 3.0\% | 633.8 | 24.8 | 3.8\% | ${ }^{628.9}$ | 29.8 | 4.5\% | 623.9 | 34.7 | 5.3\% | ${ }^{619.0}$ | 39.6 | 6.0\% |
| ME3 | 395711 | 2006 | Wet | September | Used in Summary Table Analysis | 420.2 | 405.2 | 14.9 | 3.6\% | 403.1 | 17.0 | 4.1\% | 398.9 | 21.3 | 5.1\% | 394.6 | 25.5 | 6.1\% | 390.4 | 29.7 | 7.1\% | 386.2 | 34.0 | 8.1\% |
| ME 3 | 395711 | 2007 | Above Normal | October | Used in Summary Table Analysis | 269.4 88.6012 | 257.5 8.5917 | 11.9 | 4.4\% | 255.8 8.590 .3 | 13.6 | 5.0\% | 252.4 8.5876 | 17.0 13.5 | ${ }^{6.3 \%}$ | 24.9 8.5848 | 20.4 16. | 7.6\% | 245.6 8.582 .1 | 23.8 | 8.8\% | 242.2 8.579 .4 | 27.2 21.8 | 10.1\% |
| ME ${ }_{\text {M }}$ | 395711 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,601.2 | 8,591.7 | 9.5 | 0.1\% | 8,590.3 | 10.9 | 0.1\% | ${ }^{8,587.6}$ | 13.5 | ${ }^{0.2 \%}$ | $8,584.8$ $20,262.7$ | 16.3 15.0 | 0.2\% | $8,582.1$ 20, | 19.1 | ${ }^{0.2 \%}$ | 8,579.4 | 21.8 | ${ }^{0.3 \%}$ |
| ME ${ }_{\text {ME }}$ | $\begin{array}{r}395711 \\ 395711 \\ \hline\end{array}$ | 2007 | Above Normal | December January | -- | 20,277.8 $10,215.7$ | 20,269.7 $10,208.3$ | 8.1 7.4 | 0.0\% | 20,268.5 $10,207.2$ | 9.3 8.6 | 0.1. | 20,260.2. | 11.6 10.6 | 0.1\% | 20,262.9 | 15.0 12.8 | 0.1\% | 20, 282.4 $10,200.8$ | 17.4 14.9 | 0.1\% | 20,288.1 | 19.7 17.1 | 0.1\% |
| мез | 395711 | 2007 | Above Normal | February | -- | 30,422.5 | 30,415.5 | 6.9 | 0.0\% | 30,414.4 | 8.1 | 0.0\% | 30,413.2 | 9.3 | 0.0\% | 30,410.9 | 11.6 | 0.0\% | 30,408.6 | 13.9 | 0.0\% | 30,406.3 | 16.2 | 0.1\% |
| me3 | 395711 | 2007 | Above Normal | March | - | 13,075.2 | 13,068.3 | 6.9 | 0.1\% | 13,068.3 | 6.9 | 0.1\% | 13,066.0 | 9.3 | 0.1\% | 13,063.7 | 11.6 | 0.1\% | 13,061.3 | 13.9 | 0.1\% | 13,060.2 | 15.0 | 0.1\% |
| ME 3 | 395711 | 2007 | Above Normal | April | - | ${ }^{11,510.2}$ | 11,496.3 | 13.9 | 0.1\% | 11,494.3 | 15.9 | 0.1\% | 11,490.4 | 19.8 | 0.2\% | 11,486.3 | 23.8 | 0.2\% | 11,482.4 | 27.8 | 0.2\% | 11,478.5 | 31.7 | 0.3\% |
| me3 | 395711 | 2007 | Above Normal | May | -- | 4,128.4 | 4,111.9 | 16.4 | 0.4\% | 4,109.6 | 18.8 | 0.5\% | 4,105.0 | 23.4 | 0.6\% | 4,100.2 | 28.1 | 0.7\% | 4,095.5 | 32.9 | 0.8\% | 4,090.9 | 37.5 | 0.9\% |
| ME 3 | 395711 | 2007 | Above Normal | June | - | 1,490.5 | 1,470.7 | 19.8 | 1.3\% | 1,467.9 | 22.6 | 1.5\% | 1,462.4 | 28.1 | 1.9\% | 1,456.8 | 33.7 | 2.3\% | 1,451.3 | 39.2 | 2.6\% | 1,445.7 | 44.8 | 3.0\% |
| ME3 | 395711 | 2007 | Above Normal | July | - | 492.4 | 473.0 | 19.4 | 3.9\% | 470.3 | 22.1 | 4.5\% | 464.8 | 27.6 | 5.6\% | 459.3 | 33.0 | 6.7\% | 453.9 | 38.5 | 7.8\% | 448.4 | 44.0 | 8.9\% |
| ME 3 | 395711 395711 | 2007 | Above Norral | August September | Used in Summary Table Analys | 218.5 146.2 | 201.4 1302 | 17.1 159 | $7.8 \%$ $10.0 \%$ 0.4 | 199.0 128.0 | 19.5 18.5 |  | 194.1 123 1 | 24.4 22.7 | 11.1\% | 189.3 1189 | 29.2 27.2 | 13.4\% | 184.4 <br> 114.4 | 34.1 <br> 318 <br> 18.2 | 15.6\% | 179.6 1096 | 38.9 36.3 | 17.8\% 248\% |
| ME3 | 395711 | 2007 | Above Normal | September | Used in Summary Table Analysis | 146.2 | 130.2 | 15.9 | 10.9\% | 128.0 | 18.2 | 12.4\% | 123.4 | 22.7 | 15.5\% | 118.9 | 27.2 | 18.6\% | 114.4 | 31.8 | 21.7\% | 109.9 | 36.3 | 24.8\% |
| ME3 | 395711 | 2008 | Dry | October | Used in Summary Table Analysis | 3,409.7 | 3,397.1 | 12.6 | 0.4\% | 3,395.4 | 14.4 | 0.4\% | 3,391.8 | 17.9 | 0.5\% | 3,388.1 | 21.6 | 0.6\% | 3,384.5 | 25.2 | 0.7\% | 3,380.8 | 28.9 | 0.8\% |
| ME 3 | 395711 | 2008 | Dry | November | Used in Summary Table Analysis | 3,252.0 | 3,242.4 | 9.6 | 0.3\% | 3,241.0 | ${ }_{11.0}$ | 0.3\% | 3,238.2 | 13.8 | 0.4\% | $3,235.4$ 22398 | 16.6 | 0.5\% | $3,232.6$ 229363 | 19.3 <br> 17.4 <br> 1.4 | 0.6\% | 3,22999 22934, | 22.1 197 | 0.7\% |
| ME3 | 395711 | 2008 | Dry | December |  | 22,953.7 | 22,945.6 | 8.1 | 0.0\% | 22,944.4 | 9.3 | 0.0\% | 22,942.1 | 11.6 | 0.1\% | 22,939.8 | 13.9 | 0.1\% | 22,936.3 | 17.4 | 0.1\% | 22,934.0 | 19.7 | 0.1\% |
| ME 3 | 395711 395711 | 2008 | Dry | January | $\cdots$ | $37,366.9$ 26,230. 11,25 | $37,358.8$ <br> 26,223 | 8.1 6.9 | 0.0\% | $37,357.6$ $26,222.2$ | ${ }_{81}^{9.3}$ | 0.0\% | $37,355.3$ 26,2199 | 11.6 10.4 | 0.0\% $0.0 \%$ 0.08 | $37,353.0$ <br> 26.188 <br> 1188 | 13.9 11.6 | 0.0\% | $37,350.7$ $26,216.4$ | 16.2 <br> 13.9 <br> 12. | 0.0\% | $37,348.4$ $26,214.1$ | 18.5 16.2 | 0.0\% |
|  | 395711 | 2008 | Dry | February March | - | $26,230.3$ <br> 11775 | $26,223.4$ $11,768.5$ | ${ }_{6}^{6.9}$ | - $0.0 \%$ | 26,222.2 $11,768.5$ | 8.1 6.9 | 0.0\% | 26,219.9 $11,76.2$ | 10.4 9.3 | 0.0\% | 26,218.8 $11,763.9$ | 11.6 11.6 | - $0.0 \%$ | $26,216.4$ $11,762.7$ | 13.9 12.7 | 0.1\% | $26,214.1$ $11,760.4$ | 16.2 15.0 | 0.1\% |
| ME3 | 395711 39511 | 2008 | Dry Dry | Marril | - | ${ }_{9} 9,001.5$ | 8,987.4 | 14.1 | 0.2\% | 8,985.4 | 16.1 | 0.2\% | 8,981.3 | 20.3 | 0.2\% | 8,977.3 | 24.2 | 0.3\% | 8,973.1 | 28.4 | 0.3\% | 8,969.1 | 32.4 | 0.4\% |
| мез | 395711 | 2008 | Dry | May | -- | 1,360.3 | 1,345.4 | 14.9 | 1.1\% | 1,343.2 | 17.1 | 1.3\% | 1,338.9 | 21.4 | 1.6\% | 1,334.7 | 25.6 | 1.9\% | 1,330.6 | 29.7 | 2.2\% | 1,326.6 | 33.7 | 2.5\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  | $\begin{gathered} \text { Model Cell } \\ \text { (Row, Column, } \\ \text { Surface Water } \\ \text { Reach) } \end{gathered}$ | Water Year Water Year Type |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Month | Note | Without <br> Pumping <br> (cfs) | Flow (cfs) | Flow Difference <br> (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiflow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | Flow Differenc Differenc (cfs) | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fiffow } \\ \begin{array}{c} \text { Differnece } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| me3 | 395711 | 2008 | Dry | June | - | 433.9 | 412.5 | 21.5 | 4.9\% | 409.4 | 24.5 | 5.6\% | 403.4 | 30.6 | 7.0\% | 397.3 | 36.6 | 8.4\% | 391.3 | 42.7 | 9.8\% | 385.3 | 48.6 | 11.2\% |
| me3 | 395711 | 2008 | Dry | July |  | 252.4 | 231.9 | 20.5 | 8.1\% | 229.0 | 23.4 | 9.3\% | 223.1 | 29.3 | 11.6\% | 217.3 | 35.1 | 13.9\% | 211.5 | 41.0 | 16.2\% | 205.6 | 46.8 | 18.5\% |
| me3 | 395711 | 2008 | Dry | August | -- | 175.6 | 156.0 | 19.6 | 11.2\% | 153.2 | 22.4 | 12.8\% | 147.6 | 28.0 | 15.9\% | 142.1 | 33.6 | 19.1\% | 136.5 | 39.1 | 22.3\% | 130.9 | 44.7 | 25.4\% |
| ME3 | 395711 | 2008 | Dry | September | Used in Summary Table Analysis | 137.4 | 118.7 | 18.6 | 13.6\% | 116.1 | 21.3 | 15.5\% | 110.7 | 26.6 | 19.4\% | 105.4 | 31.9 | 23.2\% | 100.1 | 37.2 | 27.1\% | 94.8 | 42.5 | 31.0\% |
| me3 | 395711 | 2009 | Critical | October | Used in Summary Table Analysis | 918.7 | 904.4 | 14.3 | 1.6\% | 902.4 | 16.3 | 1.8\% | 898.3 | 20.4 | 2.2\% | 894.2 | 24.5 | 2.7\% | 890.3 | 28.4 | 3.1\% | 886.1 | 32.6 | 3.5\% |
| me3 | 395711 | 2009 | Critical | November | Used in Summary Table Analysis | 5,469.2 | 5,458.3 | 10.9 | 0.2\% | 5,456.8 | 12.4 | 0.2\% | 5,453.7 | 15.5 | 0.3\% | 5,450.6 | 18.6 | 0.3\% | 5,447.5 | 21.8 | 0.4\% | 5,444.3 | 24.9 | 0.5\% |
| ME3 | 395711 | 2009 | Critical | December |  | 12,077.5 | 12,068.3 | 9.3 | 0.1\% | 12,067.1 | 10.4 | 0.1\% | 12,063.7 | 13.9 | 0.1\% | 12,061.3 | 16.2 | 0.1\% | 12,057.9 | 19.7 | 0.2\% | 12,055.6 | 22.0 | 0.2\% |
| ME3 | 395711 | 2009 | Critical | January | -- | 8,770.9 | 8,762.3 | 8.7 | 0.1\% | 8,761.0 | 10.0 | 0.1\% | 8,758.6 | 12.4 | 0.1\% | 8,756.0 | 14.9 | 0.2\% | 8,753.6 | 17.4 | 0.2\% | 8,751.0 | 19.9 | 0.2\% |
| ME3 ${ }^{\text {a }}$ | 395711 | 2009 | Critical | February | - | 22,541.7 | 22,533.6 | 8.1 | 0.0\% | 22,532.4 | 9.3 | 0.0\% | 22,530.1 | 11.6 | 0.1\% | 22,527.8 | 13.9 | 0.1\% | 22,525.5 | 16.2 | 0.1\% | 22,523.1 | 18.5 | 0.1\% |
| ME3 | 395711 | 2009 | Critical | March | -- | 21,066.0 | 21,059.0 | 6.9 | 0.0\% | 21,057.9 | 8.1 | 0.0\% | 21,056.7 | 9.3 | 0.0\% | 21,054.4 | 11.6 | 0.1\% | 21,052.1 | 13.9 | 0.1\% | 21,049.8 | 16.2 | 0.1\% |
| ME3 | 395711 | 2009 | Critical | April | - | 10,089.7 | 10,075.1 | 14.6 | 0.1\% | 10,073.0 | 16.7 | 0.2\% | 10,068.9 | 20.8 | 0.2\% | 10,064.6 | 25.1 | 0.2\% | 10,060.4 | 29.3 | 0.3\% | 10,056.3 | 33.4 | 0.3\% |
| ME3 | 395711 | 2009 | Critical | May | - | 15,555.6 | 15,537.0 | 18.5 | 0.1\% | 15,534.7 | 20.8 | 0.1\% | 15,530.1 | 25.5 | 0.2\% | 15,525.5 | 30.1 | 0.2\% | 15,519,7 | 35.9 | 0.2\% | 15,515.0 | 40.5 | 0.3\% |
| ME3 | 395711 | 2009 | Critical | June | - | 3,155.2 | 3,132.4 | 22.8 | 0.7\% | 3,129.2 | 26.0 | 0.8\% | 3,122.6 | 32.6 | 1.0\% | 3,116.1 | 39.1 | 1.2\% | 3,109.6 | 45.6 | 1.4\% | 3,103.1 | 52.1 | 1.7\% |
| ME3 ${ }^{\text {a }}$ | 395711 | 2009 | Critical | July | - | 1,258.3 | 1,237.6 | 20.7 | 1.6\% | 1,234.6 | 23.7 | 1.9\% | 1,228.7 | 29.6 | 2.4\% | 1,222.9 | 35.4 | 2.8\% | 1,217.0 | 41.3 | 3.3\% | 1,211.2 | 47.1 | 3.7\% |
| ME3 | 395711 | 2009 | Critical | August | -- | 664.2 | 644.5 | 19.7 | 3.0\% | 641.7 | 22.5 | 3.4\% | 636.0 | 28.1 | 4.2\% | 630.5 | 33.7 | 5.1\% | 624.8 | 39.3 | 5.9\% | 619.2 | 44.9 | 6.8\% |
| ME3 | 395711 | 2009 | Critical | September | Used in Summary Table Analysis | 385.8 | 368.6 | 17.3 | 4.5\% | 366.1 | 19.7 | 5.1\% | 361.2 | 24.6 | 6.4\% | 356.3 | 29.5 | 7.7\% | 351.4 | 34.5 | 8.9\% | 346.5 | 39.4 | 10.2\% |
| ме3 | 395711 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,081.9 | 6,067.5 | 14.5 | 0.2\% | 6,065.4 | 16.6 | 0.3\% | 6,061.3 | 20.6 | 0.3\% | 6,057.2 | 24.8 | 0.4\% | 6,053.2 | 28.7 | 0.5\% | 6,049.1 | 32.9 | 0.5\% |
| ME3 | 395711 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,261.6 | 8,250.5 | 11.1 | 0.1\% | 8,248.8 | 12.7 | 0.2\% | 8,245.6 | 16.0 | 0.2\% | 8,242.5 | 19.1 | 0.2\% | 8,239.2 | 22.3 | 0.3\% | 8,236.0 | 25.6 | 0.3\% |
| ME3 ${ }^{\text {a }}$ | 395711 | 2010 | Below Normal | December | - | 12,298.6 | 12,289.4 | 9.3 | 0.1\% | 12,287.0 | 11.6 | 0.1\% | 12,284.7 | 13.9 | 0.1\% | 12,282.4 | 16.2 | 0.1\% | 12,778.9 | 19.7 | 0.2\% | 12,277.6 | 22.0 | 0.2\% |
| мез | 395711 | 2010 | Below Normal | January | - | 36,047.5 | 36,038.2 | 9.3 | 0.0\% | 36,037.0 | 10.4 | 0.0\% | 36,034.7 | 12.7 | 0.0\% | 36,032.4 | 15.0 | 0.0\% | 36,030.1 | 17.4 | 0.0\% | 36,026.6 | 20.8 | 0.1\% |
| ME3 | 395711 | 2010 | Below Normal | February | -- | 27,192.1 | 27,184.0 | 8.1 | 0.0\% | 27,82.9 | 9.3 | 0.0\% | 27,180.6 | 11.6 | 0.0\% | 27,178.2 | 13.9 | 0.1\% | 27,175.9 | 16.2 | 0.1\% | 27,173.6 | 18.5 | 0.1\% |
| ME3 | 395711 | 2010 | Below Normal | March | - | 28,791.7 | 28,783.6 | 8.1 | 0.0\% | 28,78.4 | 9.3 | 0.0\% | 28,781.3 | 10.4 | 0.0\% | 28,778.9 | 12.7 | 0.0\% | 28,776.6 | 15.0 | 0.1\% | 28,774.3 | 17.4 | 0.1\% |
| ME3 | 395711 | 2010 | Below Normal | April | - | 39,929.4 | 39,922.5 | 6.9 | 0.0\% | 3,921.3 | 8.1 | 0.0\% | 39,919.0 | 10.4 | 0.0\% | 39,917.8 | 11.6 | 0.0\% | 39,915.5 | 13.9 | 0.0\% | 39,913.2 | 16.2 | 0.0\% |
| ME3 | 395711 | 2010 | Below Normal | may | - | 20,203.7 | 20,188.7 | 15.0 | 0.1\% | 20,186.3 | 17.4 | 0.1\% | 20,181.7 | 22.0 | 0.1\% | 20,177.1 | 26.6 | 0.1\% | 20,173.6 | 30.1 | 0.1\% | 20,169.0 | 34.7 | 0.2\% |
| мез | 395711 | 2010 | Below Normal | June | - | 9,298.5 | 9,276.4 | 22.1 | 0.2\% | 9,273.3 | 25.2 | 0.3\% | 9,267.0 | 31.5 | 0.3\% | 9,260.9 | 37.6 | 0.4\% | 9,254.7 | 43.8 | 0.5\% | 9,248.5 | 50.0 | 0.5\% |
| ME3 | 395711 | 2010 | Below Normal | July | - | 1,450.2 | 1,430.9 | 19.3 | 1.3\% | 1,428.1 | 22.1 | 1.5\% | 1,422.6 | 27.7 | 1.9\% | 1,417.0 | 33.2 | 2.3\% | 1,411.5 | 38.8 | 2.7\% | 1,406.3 | 44.0 | 3.0\% |
| ME3 | 395711 | 2010 | Below Normal | August | 兂 | 563.1 | 545.7 | 17.4 | 3.1\% | 543.2 | 19.9 | 3.5\% | 538.2 | 24.9 | 4.4\% | 533.3 | 29.8 | 5.3\% | 528.4 | 34.7 | 6.2\% | 523.4 | 39.7 | 7.0\% |
| ME3 | 395711 | 2010 | Below Normal | September | Used in Summary Table Analysis | 645.1 | 628.7 | 16.4 | 2.5\% | 626.3 | 18.8 | 2.9\% | 621.6 | 23.5 | 3.6\% | 617.0 | 28.1 | 4.4\% | 612.3 | 32.8 | 5.1\% | 607.6 | 37.5 | 5.8\% |
| ME3 ${ }^{\text {a }}$ | 395711 | 2011 | Wet | October | Used in Summary Table Analysis | 9,594.1 | 9,581.9 | 12.2 | 0.1\% | 9,580.2 | 13.9 | 0.1\% | 9,576.7 | 17.4 | 0.2\% | 9,573.4 | 20.7 | 0.2\% | 9,569.9 | 24.2 | 0.3\% | 9,566.4 | 27.7 | 0.3\% |
| мез | 395711 | 2011 | Wet | November | Used in Summary Table Analysis | 14,174.8 | 14,165.5 | 9.3 | 0.1\% | 14,164.4 | 10.4 | 0.1\% | 14,162.0 | 12.7 | 0.1\% | 14,158.6 | 16.2 | 0.1\% | 14,156.3 | 18.5 | 0.1\% | 14,153.9 | 20.8 | 0.1\% |
| ME 3 | 395711 | 2011 | Wet | December | -- | $33,520.8$ 14215 | $33,512.7$ 14114.6 | 8.1 | 0.0\% | 33,511.6 | ${ }^{9.3}$ | 0.0\% | $33,509.3$ 141111 | 11.6 | ${ }^{0.0 \%}$ | $33,506.9$ 14.1088 | 13.9 | 0.0\% | $33,504.6$ 14065 | 16.2 | ${ }^{0.0 \%}$ | $33,502.3$ 14,1042 | 18.5 17.4 | ${ }^{0.1 \%}$ |
| ME3 | 395711 | 2011 | Wet | January | - | 14,121.5 | 14,114.6 | 6.9 | 0.0\% | 14,113.4 | 8.1 | 0.1\% | 14,111.1 | 10.4 | 0.1\% | 14,108.8 | 12.7 | 0.1\% | 14,106.5 | 15.0 | 0.1\% | 14,104.2 | 17.4 | 0.1\% |
| ME3 <br> ME3 | $\begin{array}{r}395711 \\ 395711 \\ \hline\end{array}$ | 2011 | Wet Wet | February | -- | $20,733.8$ <br> 518887 | $20,726.9$ $51,881.9$ | 6.9 5.8 | - 0 | 20,725.7 51.880 .8 | 8.1 6.9 | - $0.0 \%$ | $20,723.4$ $51,878.5$ | 10.4 9.3 | 0.10\% | $20,722.2$ $51,877.3$ | 11.6 10.4 | - | 20,719.9 $51,875.0$ | 13.9 <br> 12.7 <br> 1.9 | - | $20,717.6$ $51,872.7$ | 16.2 15.0 | 0.1\% |
| мез | 395711 | 2011 | Wet | April | -- | 24,759.3 | 24,752.3 | 6.9 | 0.0\% | 24,751.2 | 8.1 | 0.0\% | 24,748.8 | 10.4 | 0.0\% | 24,747.7 | 11.6 | 0.0\% | 24,745.4 | 13.9 | 0.1\% | 24,744.2 | 15.0 | 0.1\% |
| ME3 | 395711 | 2011 | Wet | May | -- | 11,362.7 | 11,388.4 | 14.4 | 0.1\% | ${ }^{11,346.3}$ | 16.4 | 0.1\% | 11,342.2 | 20.5 | 0.2\% | 11,338.1 | 24.7 | 0.2\% | 11,333.9 | 28.8 | 0.3\% | 11,399.7 | 33.0 | 0.3\% |
| ME3 | 395711 | 2011 | Wet | June | - | 7,036.7 | 7,015.2 | 21.5 | 0.3\% | 7,012.2 | 24.5 | 0.3\% | 7,006.0 | 30.7 | 0.4\% | 7,000.0 | 36.7 | 0.5\% | 6,993.9 | 42.8 | 0.6\% | 6,987.7 | 49.0 | 0.7\% |
| ME3 | 395711 | 2011 | Wet | July | - | 1,825.9 | 1,805.1 | 20.8 | 1.1\% | 1,802.1 | 23.8 | 1.3\% | 1,796.2 | 29.7 | 1.6\% | 1,790.3 | 35.6 | 2.0\% | 1,784.3 | 41.7 | 2.3\% | 1,788.4 | 47.6 | 2.6\% |
| ME3 ${ }^{\text {a }}$ | 395711 | 2011 | Wet | August | -- | 772.0 | 754.7 | 17.3 | 2.2\% | 752.3 | 19.7 | 2.6\% | 747.3 | 24.7 | ${ }^{3.2 \%}$ | 742.4 | 29.5 | 3.8\% | 737.5 | 34.5 30.5 | 4.5\% | 732.7 3985 | 39.3 351 | 5.1\% |
| ME3 | 395711 | 2011 | Wet | September | Used in Summary Table Analysis | 428.6 | 413.2 | 15.4 | 3.6\% | 411.0 | 17.6 | 4.1\% | 406.6 | ${ }^{22.0}$ | 5.1\% | 402.3 | 26.4 | 6.2\% | 397.9 | 30.8 | 7.2\% | ${ }^{393.5}$ | 35.1 | 8.2\% |
| ME3 | 395711 395711 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,521.1 | $4,508.8$ 81873 | 12.3 | 0.3\% | $4,507.1$ 88859 | 14.0 | 0.3\% | 4,503.5 | 17.6 | 0.4\% | $4,50.0$ 8,1803 | 21.1 167 | ${ }^{0.5 \%}$ | $4,496.4$ $8,177.4$ | 24.7 | 0.5\% | 4,492.8 | 28.2 | 0.6\% |
| ME3 ME3 | 395711 395711 | 2012 | Below Normal Below Normal | November December | Used in Summary Table Analysis | $8,197.0$ $5,164.9$ | 8,187.3 $5,156.5$ | $\begin{aligned} & 9.7 \\ & 8.4 \end{aligned}$ | $\begin{aligned} & 0.12 \\ & 0.2 \% \\ & 0 . \end{aligned}$ | $8,185.9$ $5,155.3$ | $\begin{aligned} & 11.1 \\ & 9.6 \\ & \hline \end{aligned}$ | 0.1\% | $\begin{aligned} & 8,183.1 \\ & 5,152.9 \end{aligned}$ | $\begin{aligned} & 13.9 \\ & 12.0 \end{aligned}$ | 0.2\% | $8,180.3$ $5,150.5$ | 16.7 14.5 | 0.2\% | $8,177.4$ $5,148.0$ | 19.6 16.9 | 0.2\% | $8,174.7$ $5,145.6$ | 22.3 19.3 | -$0.3 \%$ <br> $0.4 \%$ |
| мез 3 | 395711 | 2012 | Below Normal | January | -- | 19,998.8 | 19,991.9 | 6.9 | 0.0\% | -1,990.7 | 8.1 | 0.0\% | 19,988.4 | 10.4 | 0.1\% | -19,986,1 | 12.7 | 0.1\% | 19,983, | 15.0 | 0.1\% | 5,144.6 19,881.5 | 17.4 | 0.1\% |
| me3 | 395711 | 2012 | Below Normal | February |  | 18,179.4 | 18,172.5 | 6.9 | 0.0\% | 18,17.3 | 8.1 | 0.0\% | 18,169.0 | 10.4 | 0.1\% | 18,166.7 | 12.7 | 0.1\% | 18,165.5 | 13.9 | 0.1\% | 18,163.2 | 16.2 | 0.1\% |
| ME3 | 395711 | 2012 | Below Normal | March | -- | 45,288.2 | 45,281.3 | 6.9 | 0.0\% | 45,280.1 | 8.1 | 0.0\% | 45,277.8 | 10.4 | 0.0\% | 45,276.6 | 11.6 | 0.0\% | 45,274.3 | 13.9 | 0.0\% | 45,272.0 | 16.2 | 0.0\% |
| ME3 | 395711 | 2012 | Below Normal | April | - | 26,809.0 | 26,802.1 | 6.9 | 0.0\% | 26,802.1 | 6.9 | 0.0\% | 26,799.8 | 9.3 | 0.0\% | 26,797.5 | 11.6 | 0.0\% | 26,796.3 | 12.7 | 0.0\% | 26,794.0 | 15.0 | 0.1\% |
| ME3 | 395711 | 2012 | Below Normal | May | - | 7,470.1 | 7,455.8 | 14.4 | 0.2\% | 7,453.8 | 16.3 | 0.2\% | 7,499.5 | 20.6 | 0.3\% | 7,445.5 | 24.7 | 0.3\% | 7,441.3 | 28.8 | 0.4\% | 7,437.3 | 32.9 | 0.4\% |
| ME3 | 395711 395711 | 2012 | Below Normal | June | - | 5,496.2 | 5,474.2 | 22.0 | 0.4\% | 5,471.1 | 25.1 | 0.5\% | 5,464.9 | 31.3 | 0.6\% | 5,458.7 | 37.5 | 0.7\% | 5,452.5 | 43.6 | ${ }^{0.8 \%}$ | 5,446.3 | 49.9 | 0.9\% |
| ME3 | 395711 | 2012 | Below Normal | July | - | 2,211.5 | 2,191.3 | 20.1 | 0.9\% | 2,188.5 | 22.9 | 1.0\% | 2,182.8 | 28.7 | 1.3\% | 2,177.1 | 34.4 | 1.6\% | 2,771.3 | 40.2 | 1.8\% | 2,165.5 | 45.9 | 2.1\% |
| ME3 | 395711 395711 | 2012 | Below Normal Below Normal | August Sentember |  | 384.8 <br> 244.5 | 369.0 230.6 | 15.8 13.9 | $4.1 \%$ $5.7 \%$ | 366.8 228.7 | 18.0 15.8 | 4.7\% | 362.3 <br> 224 <br> 18.7 | 22.5 | 5.9\% | 357.8 | 27.0 237 | 7.0\% | 353.3 | 31.5 <br> 27.6 | 8.2\% $112 \%$ | 348.8 <br> 2130 <br> 18 | 36.0 316 |  |
| ME3 <br> ME | 395711 395711 | 2012 | Below Normal Below Normal | September | Used in Summary Table Analysis | ${ }^{244.5}$ | ${ }_{1}^{2388.6}$ | 13.9 11.9 | 5.7\% | 228884.7 1,88 | 15.8 13.5 | 6.5\% | 224.7 $1,881.3$ | 19.8 17.0 | 8.1\% | 220.8 $1,877.9$ | 23.7 20.4 | 9.7\% $1.1 \%$ | 216.9 1,87.5 | 27.6 23.7 | 11.3\% | $\stackrel{213.0}{1,871.1}$ | 31.6 27.2 | 12.9\% |
| ME3 | 395711 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,611.1 | 14,601.9 | 9.3 | 0.1\% | 14,599.5 | 11.6 | 0.1\% | 14,597.2 | 13.9 | 0.1\% | 14,594.9 | 16.2 | 0.1\% | 14,591.4 | 19.7 | 0.1\% | 14,589.1 | 22.0 | 0.2\% |
| мE3 | 395711 | 2013 | Below Normal | December |  | 59,825.2 | 59,817.1 | 8.1 | 0.0\% | 59,816.0 | 9.3 | 0.0\% | 59,812.5 | 12.7 | 0.0\% | 59,810.2 | 15.0 | 0.0\% | 59,807.9 | 17.4 | 0.0\% | 59,805.6 | 19.7 | 0.0\% |
| ме3 | 395711 | 2013 | Below Normal | January | -- | 22,151.6 | 22,144.7 | 6.9 | 0.0\% | 22,143.5 | 8.1 | 0.0\% | 22,141.2 | 10.4 | 0.0\% | 22,138.9 | 12.7 | 0.1\% | 22,136,6 | 15.0 | 0.1\% | 22,135.4 | 16.2 | 0.1\% |
| me3 | 395711 | 2013 | Below Normal | February | -- | 8,822.0 | 8,815.0 | 6.9 | 0.1\% | 8,814.0 | 8.0 | 0.1\% | 8,811.9 | 10.1 | 0.1\% | $8,810.0$ | 12.0 | 0.1\% | 8,807.9 | 14.1 | ${ }^{0.2 \%}$ | 8,805.8 | 16.2 | ${ }^{0.2 \%}$ |
| ME3 | 395711 | 2013 | Below Normal | March | - | 10,294.8 | 10,288.0 | 6.8 | 0.1\% | 10,287.0 | 7.8 | 0.1\% | 10,285.1 | 9.7 | 0.1\% | 10,283.1 | 11.7 | 0.1\% | 10,281.0 | 13.8 | 0.1\% | 10,279.1 | 15.7 | 0.2\% |
| me3 | 395711 | 2013 | Below Normal | April | -- | 8,279.7 | 8,266.2 | 13.5 | 0.2\% | 8,264.2 | 15.5 | ${ }^{0.2 \%}$ | 8,260.4 | 19.3 | ${ }^{0.2 \%}$ | 8,256.5 | ${ }^{23.3}$ | 0.3\% | 8,252.7 | 27.1 | 0.3\% | $8,248.7$ 4,3789 | 31.0 <br> 37.5 | - $0.4 \%$ |
| ME3 | 395711 | 2013 | Below Normal | May | - | 4,416.4 | 4,400.1 | 16.3 | 0.4\% | 4,397.8 | 18.6 | 0.4\% | 4,393.1 | 23.4 | 0.5\% | 4,388.4 | 28.0 | 0.6\% | 4,383.7 | 32.8 | 0.7\% | 4,378.9 | 37.5 | 2.8\% |
| ME <br> ME | 395711 | 2013 2013 | Below Normal | June July | $\cdots$ | 2,105.1 | ${ }_{\text {2,085.5 }}$ | 19.6 18.5 | $0.9 \%$ <br> $2.6 \%$ |  | 22.3 21.1 | $1.1 \%$ $2.9 \%$ |  | 28.0 26.3 | $1.3 \%$ $3.7 \%$ | $2,071.5$ 683.9 | 33.6 31.6 | 1.6\% $4.4 \%$ | $2,066.0$ <br> 678.6 <br> 18.2 | 39.1 <br> 36.8 | 1.9\% | $2,060.5$ 673.4 | 44.6 42.0 | 2.19\% |
| ME3 | 395711 | 2013 | Below Normal | August | - | 336.3 | 319.2 | 17.0 | 5.1\% | 316.8 | 19.5 | 5.8\% | 312.0 | 24.3 | 7.2\% | 307.1 | 29.2 | 8.7\% | 302.2 | 34.0 | 10.1\% | 297.4 | 38.9 | 11.6\% |
| ME3 | 395711 | 2013 | Below Normal | Septembe | in Summary Table Analysis | 4,765.2 | 4,747.6 | 17.6 | 0.4\% | 4,745.1 | 20.0 | 0.4\% | 4,740.2 | 25.0 | 0.5\% | 4,735.1 | 30.1 | 0.6\% | 4,730.1 | 35.1 | 0.7\% | 4,725.1 | 40.0 | 0.8 |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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At Surface Water Depletion Locations of Interest
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|  |  | Water Year Water Year Type |  | Month |  | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Without } \\ \text { Pumping } \end{array} \end{gathered}$(cfs) | 75\% Pumping Increase |  |  | mping |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Note | Flow (cfs) |  | Flow Difference <br> (cfs) | Percent Difference | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | Flow Difference <br> (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference |
| ME3 | 395711 | 2019 | Below Normal |  | February | -- | 141,724.5 | 141,724.5 | 0.0 | 0.0\% | 141,724.5 | 0.0 | 0.0\% | 141,713.0 | 11.6 | 0.0\% | 713.0 | 11.6 | 0.0\% | 13.0 | 11.6 | 0.0\% | 713.0 | 11.6 | 0.0\% |
| мE3 | 395711 | 2019 | Below Normal | March | - | 42,221.1 | 42,214.1 | 6.9 | 0.0\% | 42,213,0 | 8.1 | 0.0\% | 42,211.8 | 9.3 | 0.0\% | 42,209.5 | 11.6 | 0.0\% | 42,208.3 | 12.7 | 0.0\% | 42,206.0 | 15.0 | 0.0\% |
| ME 3 | 395711 | 2019 | Below Normal | April | - | 15,244.2 | 15,238.4 | 5.8 | 0.0\% | 15,237.3 | 6.9 | 0.0\% | 15,236.1 | ${ }^{8.1}$ | 0.1\% | 15,233.8 | 10.4 | 0.1\% | 15,233.6 | ${ }^{11.6}$ | 0.1\% | 15,230.3 | 13.9 | 0.1\% |
| ME3 | 395711 | 2019 | Below Normal | May | - | 16,802.1 | 16,788.2 | 13.9 | 0.1\% | 16,785,9 | 16.2 | 0.1\% | 16,781.3 | 20.8 | 0.1\% | 16,777.8 | 24.3 | 0.1\% | 16,773.1 | 28.9 | 0.2\% | 16,769.7 | 32.4 | 0.2\% |
| ME3 | 395711 | 2019 | Below Normal | June | - | 4,242.2 | 4,223.1 | 19.1 | 0.5\% | 4,220.5 | 21.8 | 0.5\% | 4,215.2 | 27.1 | 0.6\% | 4,210.1 | 32.2 | 0.8\% | 4,205.1 | 37.2 | 0.9\% | 4,200.0 | 42.2 | 1.0\% |
| me3 | 395711 | 2019 | Below Normal | July | - | 1,354.7 | 1,336.2 | 18.5 | 1.4\% | 1,333.6 | 21.2 | 1.6\% | 1,328.4 | 26.4 | 1.9\% | 1,323.0 | 31.7 | 2.3\% | 1,317.8 | 36.9 | 2.7\% | 1,312.5 | 42.2 | 3.1\% |
| ME3 | 395711 | 2019 | Below Normal | August | -- | 590.4 | 573.1 | 17.3 | 2.9\% | 570.6 | 19.8 | 3.4\% | 565.7 | 24.7 | 4.2\% | 560.8 | 29.6 | 5.0\% | 555.9 | 34.5 | 5.9\% | 551.0 | 39.5 | 6.7\% |
| ME3 | 395711 | 2019 | Below Normal | September | Used in Summary Table Analysis | 457.6 | 441.7 | 15.9 | 3.5\% | 439.4 | 18.2 | 4.0\% | 434.8 | 22.8 | 5.0\% | 430.3 | 27.3 | 6.0\% | 425.8 | ${ }^{31.9}$ | 7.0\% | 421.2 | 36.4 | 8.0\% |
| ME3 | 395711 | 2020 | Dry | October | Used in Summary Table Analysis | 352.0 | 340.4 | 11.6 | 3.3\% | 338.8 | 13.3 | 3.8\% | 335.4 | 16.6 | 4.7\% | 332.1 | 20.0 | 5.7\% | 328.7 | 23.3 | 6.6\% | 325.4 | 26.7 | 7.6\% |
| ME3 | 395711 | 2020 | Dry | November | Used in Summary Table Analysis | 312.0 | 303.1 | 8.9 | 2.8\% | 301.8 | 10.2 | 3.3\% | 299.2 | 12.8 | 4.1\% | 296.6 | 15.3 | 4.9\% | 294.0 | 17.9 | 5.7\% | 291.4 | 20.5 | 6.6\% |
| me3 | 395711 | 2020 | Dry | December |  | 13,153.9 | 13,145.8 | 8.1 | 0.1\% | 13,144.7 | 9.3 | 0.1\% | 13,142.4 | 11.6 | 0.1\% | 13,140.0 | 13.9 | 0.1\% | 13,137.7 | 16.2 | 0.1\% | 13,135.4 | 18.5 | 0.1\% |
| ME3 | 395711 | 2020 | Dry | January | -- | 22,226.9 | 22,218.8 | 8.1 | 0.0\% | 22,217.6 | 9.3 | 0.0\% | 22,215.3 | 11.6 | 0.1\% | 22,213,0 | 13.9 | 0.1\% | 22,211.8 | 15.0 | 0.1\% | 22,209.5 | 17.4 | 0.1\% |
| ME3 | 395711 | 2020 | Dry | February | -- | 7,409.5 | 7,402.9 | 6.6 | 0.1\% | 7,401.9 | 7.6 | 0.1\% | 7,399.9 | 9.6 | 0.1\% | 7,397.9 | 11.6 | 0.2\% | 7,395.9 | 13.5 | 0.2\% | 7,394.0 | 15.5 | 0.2\% |
| ME3 | 395711 | 2020 | Dry | March | -- | 7,224.7 | 7,218.4 | 6.3 | 0.1\% | 7,217.5 | 7.2 | 0.1\% | 7,215.6 | 9.0 | 0.1\% | 7,213.7 | 11.0 | 0.2\% | 7,211.8 | 12.8 | 0.2\% | 7,210.0 | 14.7 | 0.2\% |
| ме3 | 395711 | 2020 | Dry | April | -- | 5,461.5 | 5,447.1 | 14.4 | 0.3\% | 5,445.0 | 16.4 | 0.3\% | 5,441.0 | 20.5 | 0.4\% | 5,436.8 | 24.7 | 0.5\% | 5,432.6 | 28.8 | 0.5\% | 5,428.6 | 32.9 | 0.6\% |
| me3 | 395711 | 2020 | Dry | May | -- | 7,349.5 | 7,332.4 | 17.1 | 0.2\% | 7,329.9 | 19.7 | 0.3\% | 7,325.0 | 24.5 | 0.3\% | 7,320.0 | 29.5 | 0.4\% | 7,315.2 | 34.4 | 0.5\% | 7,310.2 | 39.4 | 0.5\% |
| ME3 | 395711 | 2020 | Dry | June | - | 2,103.1 | 2,080.6 | 22.6 | 1.1\% | 2,077.4 | 25.7 | 1.2\% | 2,071.4 | 31.7 | 1.5\% | 2,065.4 | 37.7 | 1.8\% | 2,059.3 | 43.9 | 2.1\% | 2,053.2 | 49.9 | 2.4\% |
| ME3 | 395711 | 2020 | Dry | July | - | 792.5 | 771.1 | 21.4 | 2.7\% | 768.0 | 24.5 | 3.1\% | 761.9 | 30.6 | 3.9\% | 755.8 | 36.7 | 4.6\% | 749.7 | 42.8 | 5.4\% | 743.6 | 48.9 | 6.2\% |
| me3 | 395711 | 2020 | Dry | August | -- | 395.0 | 374.2 | 20.8 | 5.3\% | 371.2 | 23.8 | 6.0\% | 365.3 | 29.7 | 7.5\% | 359.4 | 35.6 | 9.0\% | 353.4 | 41.5 | 10.5\% | 347.5 | 47.4 | 12.0\% |
| me3 | 395711 | 2020 | Dry | September | Used in Summary Table Analysis | 244.6 | 226.3 | 18.2 | 7.5\% | 223.7 | 20.8 | 8.5\% | 217.7 | 26.9 | 11.0\% | 212.2 | 32.4 | 13.2\% | 206.5 | 38.1 | 15.6\% | 200.8 | 43.7 | 17.9\% |
| me3 | 385712 | 2000 | Above Normal | October | Used in Summary Table Analysis | 810.6 | 798.2 | 12.4 | 1.5\% | 796.5 | 14.2 | 1.7\% | 793.0 | 17.7 | 2.2\% | 789.4 | 21.3 | 2.6\% | 785.8 | 24.8 | 3.1\% | 782.2 | 28.4 | 3.5\% |
| ME3 | 385712 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,023.1 | 12,013.9 | 9.3 | 0.1\% | 12,012.7 | 10.4 | 0.1\% | 12,009.3 | 13.9 | 0.1\% | 12,006.9 | 16.2 | 0.1\% | 12,003.5 | 19.7 | 0.2\% | 12,001.2 | 22.0 | 0.2\% |
| ME3 | 385712 | 2000 | Above Normal | December |  | 10,760.4 | 10,752.2 | 8.2 | 0.1\% | 10,750.9 | 9.5 | 0.1\% | 10,748.5 | 11.9 | 0.1\% | 10,746.1 | 14.4 | 0.1\% | 10,743.6 | 16.8 | 0.2\% | 10,741.2 | 19.2 | 0.2\% |
| ME3 | 385712 | 2000 | Above Normal | January | -- | 28,416.7 | 28,408.6 | 8.1 | 0.0\% | 28,407.4 | 9.3 | 0.0\% | 28,406.3 | 10.4 | 0.0\% | 28,403.9 | 12.7 | 0.0\% | 28,401.6 | 15.0 | 0.1\% | 28,399.3 | 17.4 | 0.1\% |
| me3 | 385712 | 2000 | Above Normal | February | -- | 36,937.5 | 36,930.6 | 6.9 | 0.0\% | 36,929.4 | 8.1 | 0.0\% | 36,928.2 | 9.3 | 0.0\% | 36,925.9 | 11.6 | 0.0\% | 36,923.6 | 13.9 | 0.0\% | 36,921.3 | 16.2 | 0.0\% |
| ME3 | 385712 | 2000 | Above Normal | March | -- | 18,284.7 | 18,277.8 | 6.9 | 0.0\% | 18,276.6 | 8.1 | 0.0\% | 18,275.5 | 9.3 | 0.1\% | 18,273.1 | 11.6 | 0.1\% | 18,270.8 | 13.9 | 0.1\% | 18,269.7 | 15.0 | 0.1\% |
| ME3 | 385712 | 2000 | Above Normal | April | - | 12,290.5 | 12,283.6 | 6.9 | 0.1\% | 12,282.4 | 8.1 | 0.1\% | 12,281.3 | 9.3 | 0.1\% | 12,278.9 | 11.6 | 0.1\% | 12,277.8 | 12.7 | 0.1\% | 12,275.5 | 15.0 | 0.1\% |
| ME3 | 385712 | 2000 | Above Normal | May | - | 7,074.5 | 7,060.2 | 14.4 | 0.2\% | 7,058.1 | 16.4 | 0.2\% | 7,054.1 | 20.5 | 0.3\% | 7,049.9 | 24.7 | 0.3\% | 7,045.7 | 28.8 | 0.4\% | 7,041.7 | 32.9 | 0.5\% |
| ME3 | 385712 | 2000 | Above Normal | June | - | 2,603.5 | 2,582.1 | 21.4 | 0.8\% | 2,579.1 | 24.4 | 0.9\% | 2,572.9 | 30.6 | 1.2\% | 2,566.9 | 36.6 | 1.4\% | 2,560.8 | 42.7 | 1.6\% | 2,554.7 | 48.7 | 1.9\% |
| ME3 | 385712 | 2000 | Above Normal | July | -- | 987.9 | 969.1 | 18.8 | 1.9\% | 966.5 | 21.5 | 2.2\% | 961.1 | 26.8 | 2.7\% | 955.8 | 32.1 | 3.3\% | 950.5 | 37.4 | 3.8\% | 945.2 | 42.7 | 4.3\% |
| ME3 | 385712 | 2000 | Above Normal | August | -- | 517.7 | 500.3 | 17.4 | 3.4\% | 497.9 | 19.9 | 3.8\% | 492.9 | 24.8 | 4.8\% | 488.0 | 29.7 | 5.7\% | 483.1 | 34.7 | 6.7\% | 478.1 | 39.6 | 7.7\% |
| ME3 | 385712 | 2000 | Above Normal | September | Used in Summary Table Analysis | 291.7 | 276.5 | 15.2 | 5.2\% | 274.3 | 17.3 | 5.9\% | 270.0 | 21.6 | 7.4\% | 265.7 | 26.0 | 8.9\% | 261.4 | 30.3 | 10.4\% | 257.1 | 34.6 | 11.9\% |
| ME3 | 385712 | 2001 | Dry | October | Used in Summary Table Analysis | 3,793.3 | 3,781.0 | 12.3 | 0.3\% | 3,779.3 | 14.0 | 0.4\% | 3,775.8 | 17.5 | 0.5\% | 3,772.2 | 21.1 | 0.6\% | 3,768.8 | 24.5 | 0.6\% | 3,765.3 | 28.0 | 0.7\% |
| ME3 | 385712 | 2001 | Dry | November | Used in Summary Table Analysis | 6,088.8 | 6,079.1 | 9.7 | 0.2\% | 6,077.7 | 11.1 | 0.2\% | 6,074.9 | 13.9 | 0.2\% | 6,072.0 | 16.8 | 0.3\% | 6,069.2 | 19.6 | 0.3\% | 6,066.4 | 22.3 | 0.4\% |
| ME3 | 385712 | 2001 | Dry | December |  | 8,803.1 | 8,794.7 | 8.4 | 0.1\% | 8,793.4 | 9.7 | 0.1\% | 8,791.0 | 12.2 | 0.1\% | 8,788.5 | 14.6 | 0.2\% | 8,786.1 | 17.0 | 0.2\% | 8,783.6 | 19.6 | 0.2\% |
| ME3 | 385712 | 2001 | Dry | January | - | 12,723.4 | 12,715.3 | 8.1 | 0.1\% | 12,714.1 | 9.3 | 0.1\% | 12,711.8 | 11.6 | 0.1\% | 12,709.5 | 13.9 | 0.1\% | 12,707.2 | 16.2 | 0.1\% | 12,704.9 | 18.5 | 0.1\% |
| ME3 | 385712 | 2001 | Dry | February | - | 17,429.4 | $17,422.5$ | 6.9 | 0.0\% | 17,421.3 | 8.1 | 0.0\% | 17,419.0 | 10.4 | 0.1\% | 17,417.8 | 11.6 | 0.1\% | 17,415.5 | 13.9 | 0.1\% | 17,413.2 | 16.2 | 0.1\% |
| ME3 | 385712 | 2001 | Dry | March | - | 12,275.5 | 12,268.5 | 6.9 | 0.1\% | 12,267.4 | 8.1 | 0.1\% | 12,266.2 | 9.3 | 0.1\% | 12,263.9 | 11.6 | 0.1\% | 12,261.6 | 13.9 | 0.1\% | 12,260.4 | 15.0 | 0.1\% |
| ME3 | 385712 | 2001 | Dry | April | - | 10,949.1 | 10,934.4 | 14.7 | 0.1\% | 10,932.2 | 16.9 | 0.2\% | 10,928.0 | 21.1 | 0.2\% | 10,923.7 | 25.3 | 0.2\% | 10,919.6 | 29.5 | 0.3\% | 10,915.3 | 33.8 | 0.3\% |
| ME3 | 385712 | 2001 | Dry | May | -- | 2,636.6 | 2,619.3 | 17.2 | 0.7\% | 2,616.8 | 19.8 | 0.8\% | 2,611.8 | 24.8 | 0.9\% | 2,609.8 | 29.7 | 1.1\% | 2,601.9 | 34.7 | 1.3\% | 2,597.0 | 39.6 | 1.5\% |
| ME3 | 385712 | 2001 | Dry | June | - | 2,633.4 | 2,609.8 | ${ }^{23.6}$ | 0.9\% | 2,606.5 | 27.0 | 1.0\% | 2,599.8 | 33.7 | 1.3\% | 2,593.2 | 40.3 | 1.5\% | 2,586.5 | 47.0 | 1.8\% | 2,579.9 | 53.6 | 2.0\% |
| ME3 | 385712 | 2001 | Dry | July | - | 717.1 | 695.6 | 21.5 | 3.0\% | 692.5 | 24.6 | 3.4\% | 686.4 | 30.7 | 4.3\% | 680.3 | 36.8 | 5.1\% | 674.3 | 42.8 | 6.0\% | 668.1 | 48.9 | 6.8\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2001 | Dry | August | - | 169.7 | 149.0 | 20.7 | 12.2\% | 146.0 | 23.7 | 14.0\% | 140.1 | 29.6 | 17.4\% | 134.2 | 35.5 | 20.9\% | 128.4 | ${ }^{41.3}$ | 24.4\% | 122.5 | 47.2 | 27.8\% |
| ME3 | 385712 | 2001 | Dry | September | Used in Summary Table Analysis | 92.3 | 74.2 | 18.2 | 19.7\% | 71.6 | 20.7 | 22.5\% | 66.4 | 25.9 | 28.1\% | 61.2 | 31.1 | 33.7\% | 56.1 | 36.2 | 39.3\% | 50.9 | 41.4 | 44.9\% |
| ME3 | 385712 | 2002 | Below Normal | October | Used in Summary Table Analysis | 261.6 | 246.7 | 14.9 | 5.7\% | 244.6 | 17.0 | 6.5\% | 240.3 | 21.3 | 8.1\% | 236.0 | 25.5 | 9.8\% | 231.8 | 29.8 | 11.4\% | 227.5 | 34.1 | 13.0\% |
| ME3 | 385712 | 2002 | Below Normal | November | Used in Summary Table Analysis | 11,979.2 | 11,967.6 | 11.6 | 0.1\% | 11,965.3 | 13.9 | 0.1\% | 11,961.8 | 17.4 | 0.1\% | 11,959.5 | 19.7 | 0.2\% | 11,956.0 | 23.1 | 0.2\% | 11,952.5 | 26.6 | 0.2\% |
| ме3 | 385712 | 2002 | Below Normal | December | -- | 35,539.4 | 35,588.9 | 10.4 | 0.0\% | 35,527.8 | 11.6 | 0.0\% | 35,525.5 | 13.9 | 0.0\% | 35,522.0 | 17.4 | 0.0\% | 35,519.7 | 19.7 | 0.1\% | 35,516.2 | 23.1 | 0.1\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2002 | Below Normal | January | - | 30,787.0 | 30,777.8 | 9.3 | 0.0\% | 30,776.6 | 10.4 | 0.0\% | 30,774.3 | 12.7 | 0.0\% | 30,770.8 | 16.2 | 0.1\% | 30,768.5 | 18.5 | 0.1\% | 30,766.2 | 20.8 | 0.1\% |
| ME3 | 385712 | 2002 | Below Normal | February | -- | 24,622.7 | 24,614.6 | 8.1 | 0.0\% | 24,613.4 | 9.3 | 0.0\% | 24,611.1 | 11.6 | 0.0\% | 24,608.8 | 13.9 | 0.1\% | 24,606.5 | 16.2 | 0.1\% | 24,604.2 | 18.5 | 0.1\% |
| me3 | 385712 | 2002 | Below Normal | March | -- | 17,737.3 | 17,729.2 | 8.1 | 0.0\% | 17,728.0 | 9.3 | 0.1\% | 17,725.7 | 11.6 | 0.1\% | 17,723.4 | 13.9 | 0.1\% | 17,721.1 | 16.2 | 0.1\% | 17,718,8 | 18.5 | 0.1\% |
| ME3 | 385712 | 2002 | Below Normal | April | - | 9,908.9 | 9,894.2 | 14.7 | 0.1\% | 9,892.1 | 16.8 | 0.2\% | 9,888.0 | 20.9 | 0.2\% | 9,883.8 | 25.1 | 0.3\% | 9,879.6 | 29.3 | 0.3\% | 9,875.5 | 33.4 | 0.3\% |
| ME3 | 385712 | 2002 | Below Normal | May | - | 3,313.7 | 3,296.3 | 17.4 | 0.5\% | 3,293.9 | 19.8 | 0.6\% | 3,288.9 | 24.8 | 0.7\% | 3,284.0 | 29.6 | 0.9\% | 3,279.1 | 34.6 | 1.0\% | 3,274.1 | 39.6 | 1.2\% |
| me3 | 385712 | 2002 | Below Normal | June | - | 851.2 | 831.8 | 19.4 | 2.3\% | 829.0 | 22.2 | 2.6\% | 823.5 | 27.7 | 3.3\% | 818.0 | 33.2 | 3.9\% | 812.5 | 38.8 | 4.6\% | 807.0 | 44.2 | 5.2\% |
| ME3 | 385712 | 2002 | Below Normal | July | - | 359.5 | 340.2 | 19.3 | 5.4\% | 337.5 | 22.1 | 6.1\% | 332.0 | 27.6 | 7.7\% | 326.5 | 33.1 | 9.2\% | 321.0 | 38.5 | 10.7\% | 315.5 | 44.0 | 12.2\% |
| me3 | 385712 | 2002 | Below Normal | August | -- | 223.6 | 205.7 | 17.9 | 8.0\% | 203.1 | 20.4 | 9.1\% | 198.1 | 25.5 | 11.4\% | 193.0 | 30.6 | 13.7\% | 187.9 | 35.7 | 16.0\% | 182.8 | 40.8 | 18.3\% |
| me3 | 385712 | 2002 | Below Normal | September | Used in Summary Table Analysis | 160.6 | 143.9 | 16.7 | 10.4\% | 141.6 | 19.0 | 11.9\% | 136.8 | ${ }^{23.8}$ | 14.8\% | 132.0 | 28.6 | 17.8\% | 127.3 | 33.3 | 20.7\% | 122.5 | 38.1 | 23.7\% |
| ME3 | 385712 | 2003 | Wet | October | Used in Summary Table Analysis | 125.7 | 112.4 | 13.3 | 10.6\% | 110.5 | 15.2 | 12.1\% | 106.6 | 19.0 | 15.2\% | 102.8 | 22.9 | 18.2\% | 99.0 | 26.7 | 21.3\% | 95.1 | 30.6 | 24.3\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2003 | Wet | November | Used in Summary Table Analysis | 891.9 | 881.4 | 10.5 | 1.2\% | 879.9 | 12.0 | 1.3\% | 876.9 | 15.0 | 1.7\% | 873.8 | 18.1 | 2.0\% | 870.9 | 21.0 | 2.4\% | 867.8 | 24.0 | 2.7\% |
| ME3 | 385712 | 2003 | Wet | December | -- | 56,480.3 | 56,471.1 | 9.3 | 0.0\% | 56,469.9 | 10.4 | 0.0\% | 56,467.6 | 12.7 | 0.0\% | 56,465.3 | 15.0 | 0.0\% | 56,461.8 | 18.5 | 0.0\% | 56,499.5 | 20.8 | 0.0\% |
| ME3 | 385712 | 2003 | Wet | January | -- | 31,460.6 | 31,452.5 | 8.1 | 0.0\% | 31,451.4 | ${ }^{9.3}$ | 0.0\% | 31,499.1 | 11.6 | 0.0\% | 31,446.8 | 13.9 | 0.0\% | 31,440.4 | 16.2 | 0.1\% | 31,422.1 | 18.5 | ${ }^{0.1 \%}$ |
| ME3 | 385712 | 2003 | Wet | February |  | 20,317.1 | 20,309.0 | 8.1 | 0.0\% | 20,307.9 | 9.3 | 0.0\% | 20,306.7 | 10.4 | 0.1\% | 20,304.4 | 12.7 | 0.1\% | 20,302.1 | 15.0 | 0.1\% | 20,299.8 | 17.4 | - |
| мез ${ }^{\text {¢ }}$ | 385712 | 2003 | Wet | April | -- | ${ }_{4}^{24,773.1}$ | ${ }_{42,766.2}$ | 6.9 | 0.0\% | ${ }^{242,765.0}$ | 8.1 | 0.0\% | 42,762.7 | 10.4 | 0.0\% | ${ }_{\text {42,761.6 }}$ | 11.6 | 0.0\% | 42,759.3 | 13.9 | 0.0\% | 42,756.9 | ${ }_{16.2}$ | 0.0\% |
| ME3 | 385712 | 2003 | Wet | May | -- | 12,206.0 | 12,191.0 | 15.0 | 0.1\% | 12,188.7 | 17.4 | 0.1\% | 12,184,0 | 22.0 | 0.2\% | 12,180.6 | 25.5 | 0.2\% | 12,175.9 | 30.1 | 0.2\% | 12,171.3 | 34.7 | 0.3\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Surface Water Depletion Area Area of Interest} \& \multirow[b]{2}{*}{Model Cell (Row, Column, Surface Water Reach)} \& \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Water Year Water Year Type}} \& \multirow[b]{2}{*}{Month} \& \& \multirow[b]{2}{*}{Flow
without Pumping (cfs)} \& \multicolumn{3}{|c|}{} \& \multicolumn{3}{|c|}{100\% ${ }^{\text {ampmg }}$} \& \multicolumn{3}{|c|}{150\% Pumping threase} \& \multicolumn{3}{|c|}{200\%} \& \multicolumn{3}{|c|}{20\% Pumping increase} \& \multicolumn{3}{|c|}{} <br>
\hline \& \& \& \& \& Note \& \& Flow (cfs) \& $$
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (ffs) }
\end{gathered}
$$ \& Percent
Difference \& Flow (cts) \& $$
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
$$ \& Percent
Difference \& Flow (cts) \& $$
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
$$ \& Percent
Difference \& Flow (cts) \& $$
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (ffs) } \\
\hline
\end{gathered}
$$ \& Percent
Difference \& Flow (ffs) \& $$
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) } \\
\hline
\end{gathered}
$$ \& Percent Difference \& Flow (ffs) \& $$
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
$$ \& Percent Difference <br>
\hline me3 \& 385712 \& 2003 \& Wet \& June \& - \& 3,162.2 \& 3,143.3 \& 18.9 \& 0.6\% \& 3,140.6 \& 21.5 \& 0.7\% \& 3,135.3 \& 26.9 \& 0.8\% \& 3,130.1 \& 32.1 \& 1.0\% \& 3,124.9 \& 37.3 \& 1.2\% \& 3,119.7 \& 42.5 \& 1.3\% <br>
\hline ME3 \& 385712 \& 2003 \& Wet \& July \& - \& 1,469.3 \& 1,450.1 \& 19.2 \& 1.3\% \& 1,447.3 \& 22.0 \& 1.5\% \& 1,441.9 \& 27.4 \& 1.9\% \& 1,436.5 \& 32.9 \& 2.2\% \& 1,431.0 \& 38.3 \& 2.6\% \& 1,425.6 \& 43.8 \& 3.0\% <br>
\hline мез 3 \& 385712 \& 2003 \& Wet \& August \& -- \& 755.7 \& 737.3 \& 18.4 \& 2.4\% \& 734.7 \& 21.0 \& 2.8\% \& 729.5 \& 26.2 \& 3.5\% \& 724.2 \& 31.5 \& 4.2\% \& 719.0 \& 36.7 \& 4.9\% \& 713.6 \& 42.1 \& 5.6\% <br>
\hline me3 \& 385712 \& 2003 \& wet \& September \& Used in Summary Table Analysis \& 453.9 \& 438.6 \& 15.4 \& 3.4\% \& 436.4 \& 17.6 \& 3.9\% \& 432.0 \& 21.9 \& 4.8\% \& 427.6 \& 26.3 \& 5.8\% \& 423.3 \& 30.7 \& 6.8\% \& 418.9 \& 35.0 \& 7.7\% <br>
\hline ме3 \& 385712 \& 2004 \& Wet \& October \& Used in Summary Table Analysis \& 321.0 \& 308.6 \& 12.4 \& 3.9\% \& 306.8 \& 14.2 \& 4.4\% \& 303.2 \& 17.8 \& 5.5\% \& 299.7 \& 21.3 \& 6.6\% \& 296.1 \& 24.9 \& 7.8\% \& 292.5 \& 28.5 \& 8.9\% <br>
\hline ME3 \& 385712 \& 2004 \& Wet \& November \& Used in Summary Table Analysis \& 5,766.0 \& 5,756.0 \& 10.0 \& 0.2\% \& 5,754.6 \& 11.3 \& 0.2\% \& 5,751.7 \& 14.2 \& 0.2\% \& 5,749.0 \& 17.0 \& 0.3\% \& 5,746.1 \& 19.9 \& 0.3\% \& 5,743.2 \& 22.8 \& 0.4\% <br>
\hline ME3 \& 385712 \& 2004 \& Wet \& December \& -- \& 36,147.0 \& 36,137.7 \& 9.3 \& 0.0\% \& ${ }^{36,136.6}$ \& 10.4 \& 0.0\% \& 36,134.3 \& 12.7 \& 0.0\% \& 36,131.9 \& 15.0 \& 0.0\% \& 36,128.5 \& 18.5 \& 0.1\% \& 36,126.2 \& 20.8 \& 0.1\% <br>
\hline ME3 \& 385712 \& 2004 \& Wet \& January \& -- \& 31,361.1 \& 31,354.2 \& 6.9 \& 0.0\% \& 31,353.0 \& 8.1 \& 0.0\% \& 31,350.7 \& 10.4 \& 0.0\% \& 31,388.4 \& 12.7 \& 0.0\% \& 31,346.1 \& 15.0 \& 0.0\% \& 31,343.8 \& 17.4 \& 0.1\% <br>
\hline ME3 \& 385712 \& 2004 \& Wet \& February \& -- \& 38,128.5 \& 38,121.5 \& 6.9 \& 0.0\% \& 38,120.4 \& 8.1 \& 0.0\% \& 38,119.2 \& 9.3 \& 0.0\% \& 38,116.9 \& 11.6 \& 0.0\% \& 38,114.6 \& 13.9 \& 0.0\% \& 38,112.3 \& 16.2 \& 0.0\% <br>
\hline ME3 \& 385712 \& 2004 \& Wet \& March \& -- \& 16,504.6 \& 16,498.8 \& 5.8 \& 0.0\% \& 16,497.7 \& 6.9 \& 0.0\% \& 16,495,4 \& 9.3 \& 0.1\% \& 16,493.1 \& 11.6 \& 0.1\% \& 16,491.9 \& 12.7 \& 0.1\% \& 16,489.6 \& 15.0 \& 0.1\% <br>
\hline мE3 \& 385712 \& 2004 \& Wet \& April \& - \& 9,436.3 \& 9,430.0 \& 6.4 \& 0.1\% \& 9,429.1 \& 7.3 \& 0.1\% \& 9,427.2 \& 9.1 \& 0.1\% \& 9,425.3 \& 11.0 \& 0.1\% \& 9,423.4 \& 13.0 \& 0.1\% \& 9,421.5 \& 14.8 \& 0.2\% <br>
\hline ME3 \& 385712 \& 2004 \& Wet \& May \& - \& 3,408.6 \& 3,394.1 \& 14.5 \& 0.4\% \& 3,392.0 \& 16.6 \& 0.5\% \& 3,388.0 \& 20.6 \& 0.6\% \& 3,383.8 \& 24.8 \& 0.7\% \& 3,379.7 \& 28.8 \& 0.8\% \& 3,375.6 \& 33.0 \& 1.0\% <br>
\hline ME3 \& 385712 \& 2004 \& Wet \& June \& - \& 689.4 \& 671.4 \& 18.0 \& 2.6\% \& 668.9 \& 20.5 \& 3.0\% \& 663.8 \& 25.6 \& 3.7\% \& 658.7 \& 30.7 \& 4.5\% \& 653.6 \& 35.8 \& 5.2\% \& 648.5 \& 40.9 \& 5.9\% <br>
\hline ME3 \& 385712 \& 2004 \& Wet \& July \& - \& 352.5 \& 333.7 \& 18.8 \& 5.3\% \& 331.0 \& 21.5 \& 6.1\% \& 325.6 \& 26.9 \& 7.6\% \& 320.3 \& 32.3 \& 9.2\% \& 314.9 \& 37.6 \& 10.7\% \& 309.5 \& 43.0 \& 12.2\% <br>
\hline ME3 \& 385712 \& 2004 \& Wet \& August \& -- \& 221.8 \& 204.3 \& 17.5 \& 7.9\% \& 201.8 \& 20.0 \& 9.0\% \& 196.8 \& 25.0 \& 11.3\% \& 191.8 \& 30.0 \& 13.5\% \& 186.9 \& 34.9 \& 15.7\% \& 181.9 \& 39.9 \& 18.0\% <br>
\hline ME3 \& 385712 \& 2004 \& Wet \& September \& Used in Summary Table Analysis \& 159.2 \& 142.7 \& 16.4 \& 10.3\% \& 140.4 \& 18.8 \& 11.8\% \& 135.7 \& 23.5 \& 14.8\% \& 131.0 \& 28.2 \& 17.7\% \& 126.3 \& 32.9 \& 20.7\% \& 121.6 \& 37.6 \& 23.6\% <br>
\hline ME3 ${ }^{\text {a }}$ \& 385712 \& 2005 \& Above Normal \& October \& Used in Summary Table Analysis \& 7,634.3 \& 7,621.6 \& 12.6 \& 0.2\% \& 7,619.8 \& 14.5 \& 0.2\% \& 7,616.2 \& 18.1 \& 0.2\% \& 7,612.5 \& 21.8 \& 0.3\% \& 7,608.9 \& 25.3 \& 0.3\% \& 7,605.2 \& 29.1 \& 0.4\% <br>
\hline ME3 \& 385712 \& 2005 \& Above Normal \& November \& Used in Summary Table Analysis \& 2,250.3 \& 2,240.5 \& 9.8 \& 0.4\% \& 2,239,1 \& 11.2 \& 0.5\% \& 2,236.2 \& 14.1 \& 0.6\% \& 2,233.4 \& 16.9 \& 0.8\% \& 2,230.6 \& 19.8 \& 0.9\% \& 2,227.8 \& 22.6 \& 1.0\% <br>
\hline ME3 \& 385712 \& 2005 \& Above Normal \& December \& -- \& 20,890.0 \& 20,880.8 \& 9.3 \& 0.0\% \& 20,879.6 \& 10.4 \& 0.0\% \& 20,877.3 \& 12.7 \& 0.1\% \& 20,875.0 \& 15.0 \& 0.1\% \& 20,872.7 \& 17.4 \& 0.1\% \& 20,869.2 \& 20.8 \& 0.1\% <br>
\hline ME3 \& 385712 \& 2005 \& Above Normal \& January \& - \& 22,277.8 \& 22,269.7 \& 8.1 \& 0.0\% \& 22,268.5 \& 9.3 \& 0.0\% \& 22,266.2 \& 11.6 \& 0.1\% \& 22,263,9 \& 13.9 \& 0.1\% \& 22,261.6 \& 16.2 \& 0.1\% \& 22,259.3 \& 18.5 \& 0.1\% <br>
\hline ME3 \& 385712 \& 2005 \& Above Normal \& February \& -- \& 13,993.1 \& 13,985.0 \& 8.1 \& 0.1\% \& 13,985.0 \& 8.1 \& 0.1\% \& 13,982.6 \& 10.4 \& 0.1\% \& 13,980.3 \& 12.7 \& 0.1\% \& 13,978.0 \& 15.0 \& 0.1\% \& 13,976.9 \& 16.2 \& 0.1\% <br>
\hline ME3 \& 385712 \& 2005 \& Above Normal \& March \& - \& 28,486.1 \& 28,479.2 \& 6.9 \& 0.0\% \& 28,48.0 \& 8.1 \& 0.0\% \& 28,475.7 \& 10.4 \& 0.0\% \& 28,474.5 \& 11.6 \& 0.0\% \& 28,472.2 \& 13.9 \& 0.0\% \& 28,469.9 \& 16.2 \& 0.1\% <br>
\hline ME3 \& 385712 \& 2005 \& Above Normal \& April \& -- \& 21,392.4 \& 21,385.4 \& 6.9 \& 0.0\% \& 21,384.3 \& 8.1 \& 0.0\% \& 21,383.1 \& 9.3 \& 0.0\% \& 21,380.8 \& 11.6 \& 0.1\% \& 21,378.5 \& 13.9 \& 0.1\% \& 21,377.3 \& 15.0 \& 0.1\% <br>
\hline me3 \& 385712 \& 2005 \& Above Normal \& May \& - \& 19,505.8 \& 19,491.9 \& 13.9 \& 0.1\% \& 19,489.6 \& 16.2 \& 0.1\% \& 19,485.0 \& 20.8 \& 0.1\% \& 19,480.3 \& 25.5 \& 0.1\% \& 19,476.9 \& 28.9 \& 0.1\% \& 19,472.2 \& 33.6 \& 0.2\% <br>
\hline ME3 \& 385712 \& 2005 \& Above Normal \& June \& - \& 15,795.1 \& 15,773.1 \& 22.0 \& 0.1\% \& 15,770.8 \& 24.3 \& 0.2\% \& 15,763.9 \& 31.3 \& 0.2\% \& 15,758.1 \& 37.0 \& 0.2\% \& 15,752.3 \& 42.8 \& 0.3\% \& 15,745.4 \& 49.8 \& 0.3\% <br>
\hline ME3 \& 385712 \& 2005 \& Above Normal \& July \& - \& 2,863.1 \& 2,843.5 \& 19.6 \& 0.7\% \& 2,840.6 \& 22.5 \& 0.8\% \& 2,835.1 \& 28.0 \& 1.0\% \& 2,829.5 \& 33.6 \& 1.2\% \& 2,824.0 \& 39.1 \& 1.4\% \& 2,818.4 \& 44.7 \& 1.6\% <br>
\hline ME3 \& 385712 \& 2005 \& Above Normal \& August \& -- \& 978.4 \& 960.9 \& 17.5 \& 1.8\% \& 958.4 \& 19.9 \& 2.0\% \& 953.4 \& 24.9 \& 2.5\% \& 948.5 \& 29.9 \& 3.1\% \& 943.5 \& 34.8 \& 3.6\% \& 938.6 \& 39.8 \& ${ }^{4.1 \%}$ <br>
\hline ME3 \& 385712 \& 2005 \& Above Normal \& September \& Used in Summary Table Analysis \& 520.1 \& 504.9 \& 15.2 \& 2.9\% \& 502.7 \& 17.3 \& 3.3\% \& 498.4 \& 21.7 \& 4.2\% \& 494.1 \& 26.0 \& 5.0\% \& 489.8 \& 30.3 \& 5.8\% \& 485.4 \& 34.6 \& 6.7\% <br>
\hline мез 3 \& 385712 \& 2006 \& Wet \& October \& Used in Summary Table Analysis \& 629.2 \& 617.2 \& 12.0 \& 1.9\% \& 615.5 \& 13.8 \& 2.2\% \& 612.0 \& 17.2 \& 2.7\% \& 608.5 \& 20.7 \& 3.3\% \& 605.1 \& 24.1 \& 3.8\% \& 601.6 \& 27.6 \& 4.4\% <br>
\hline ме3 \& 385712 \& 2006 \& Wet \& November \& Used in Summary Table Analysis \& 9,243.1 \& 9,233.7 \& 9.4 \& 0.1\% \& 9,232.3 \& 10.8 \& 0.1\% \& 9,229.6 \& 13.4 \& 0.1\% \& 9,226.9 \& 16.2 \& 0.2\% \& 9,224.2 \& 18.9 \& 0.2\% \& 9,221.4 \& 21.6 \& 0.2\% <br>
\hline ME3 \& 385712 \& 2006 \& Wet \& December \& \& 43,292.8 \& 43,284,7 \& 8.1 \& 0.0\% \& 43,283,6 \& 9.3 \& 0.0\% \& 43,280.1 \& 12.7 \& 0.0\% \& 43,277.8 \& 15.0 \& 0.0\% \& 43,275.5 \& 17.4 \& 0.0\% \& 43,273.1 \& 19.7 \& 0.0\% <br>
\hline ME3 ${ }^{\text {a }}$ \& 385712 \& 2006 \& Wet \& January \& - \& 46,111.1 \& 46,103.0 \& 8.1 \& 0.0\% \& 46,103.0 \& 8.1 \& 0.0\% \& 46,100.7 \& 10.4 \& 0.0\% \& 46,098.4 \& 12.7 \& 0.0\% \& 46,096.1 \& 15.0 \& 0.0\% \& 46,093.8 \& 17.4 \& 0.0\% <br>
\hline me3 \& 385712 \& 2006 \& Wet \& February \& \& 26,539.4 \& 26,532.4 \& 6.9 \& 0.0\% \& 26,531.3 \& 8.1 \& 0.0\% \& 26,528.9 \& 10.4 \& 0.0\% \& 26,527.8 \& 11.6 \& 0.0\% \& 26,525.5 \& 13.9 \& 0.1\% \& 26,523.1 \& 16.2 \& 0.1\% <br>
\hline мез 3 \& 385712 \& 2006 \& Wet \& March \& -- \& 47,011.6 \& 47,004.6 \& 6.9 \& 0.0\% \& 47,04, 6 \& 6.9 \& 0.0\% \& 47,002.3 \& 9.3 \& 0.0\% \& 47,00.0 \& 11.6 \& 0.0\% \& 46,998.8 \& 12.7 \& 0.0\% \& 46,996.5 \& 15.0 \& 0.0\% <br>
\hline ME3 \& 385712 \& 2006 \& Wet \& April \& - \& 30,370.4 \& 30,364.6 \& 5.8 \& 0.0\% \& 30,363.4 \& 6.9 \& 0.0\% \& 30,362.3 \& 8.1 \& 0.0\% \& 30,360.0 \& 10.4 \& 0.0\% \& 30,357.6 \& 12.7 \& 0.0\% \& 30,356.5 \& 13.9 \& 0.0\% <br>
\hline ME3 \& 385712 \& 2006 \& Wet \& May \& - \& 14,173.6 \& 14,165.5 \& 8.1 \& 0.1\% \& 14,164.4 \& 9.3 \& 0.1\% \& 14,160.9 \& 12.7 \& 0.1\% \& 14,158.6 \& 15.0 \& 0.1\% \& 14,156.3 \& 17.4 \& 0.1\% \& 14,153.9 \& 19.7 \& 0.1\% <br>
\hline ME3 ${ }^{\text {a }}$ \& 385712 \& 2006 \& Wet \& June \& - \& 3,543.8 \& 3,525.6 \& 18.2 \& 0.5\% \& 3,523.0 \& 20.7 \& 0.6\% \& 3,517.9 \& 25.8 \& 0.7\% \& 3,512.8 \& 30.9 \& 0.9\% \& 3,507.8 \& 35.0 \& 1.0\% \& 3,502.7 \& ${ }^{41.1}$ \& 1.2\% <br>
\hline ME3 \& 385712 \& 2006 \& Wet \& July \& - \& 1,273.8 \& 1,255.1 \& 18.8 \& 1.5\% \& 1,252.4 \& 21.4 \& 1.7\% \& 1,247.1 \& 26.7 \& 2.1\% \& 1,241.8 \& 32.1 \& 2.5\% \& 1,236.5 \& 37.4 \& 2.9\% \& 1,231.3 \& 42.6 \& 3.3\% <br>
\hline ME3 \& 385712

385712 \& 2006 \& Wet \& August
Sentember \& -- \& 660.0
4214 \& ${ }_{40,1}^{642.1}$ \& 17.9
15.4 \& 2.7\% \& 639.6
4039 \& 20.4

175 \& ${ }^{3.1 \%}$ \& | 634.5 |
| :--- |
| 39.5 | \& 25.5

21.9 \& 3.9\% \& 629.4
395
3 \& 30.6
263 \& 4.6\% \& 624.4
39.8 \& 35.6
30.6 \& 5.4\% \& 619.3
38.4 \& 40.7 \& ${ }_{\text {8.2\% }}^{6.8}$ <br>
\hline ME3 ${ }^{\text {a }}$ \& 385712 \& 2006 \& Wet \& September \& Used in Summary Table Analysis \& 421.4 \& 406.1 \& 15.4 \& 3.6\% \& 403.9 \& 17.5 \& 4.2\% \& 399.5 \& 21.9 \& 5.2\% \& 395.2 \& 26.3 \& 6.2\% \& 390.8 \& 30.6 \& 7.3\% \& 386.4 \& 35.0 \& 8.3\% <br>
\hline ME3 \& 385712 \& 2007 \& Above Normal \& October \& Used in Summary Table Analysis \& 270.5 \& 258.3 \& 12.2 \& 4.5\% \& 256.5 \& 14.0 \& 5.2\% \& 253.0 \& 17.5 \& 6.5\% \& 249.5 \& 21.0 \& 7.8\% \& 246.0 \& 24.5 \& 9.1\% \& 242.5 \& 28.0 \& 10.4\% <br>
\hline ME3 \& 385712 \& 2007 \& Above Normal \& November \& Used in Summary Table Analysis \& 8,611.2 \& 8,601.5 \& 9.7 \& 0.1\% \& 8,600.1 \& 11.1 \& 0.1\% \& 8,597.3 \& 13.9 \& 0.2\% \& 8,594.4 \& 16.8 \& 0.2\% \& 8,591.7 \& 19.6 \& 0.2\% \& $8,588.8$
20,278.

ce, \& | 22.5 |
| :--- |
| 208 |
| 176 | \& 0.3\% <br>

\hline ME3 \& 385712 \& 2007 \& Above Normal \& December \& \& 20,298.6 \& 20,289.4 \& 9.3 \& 0.0\% \& 20,288.2 \& 10.4 \& 0.1\% \& 20,285.9 \& 12.7 \& 0.1\% \& 20,283.6 \& 15.0 \& 0.1\% \& 20,280.1 \& 18.5
15.4 \& ${ }^{0.1 \%}$ \& 20,277.8 \& 20.8
17.6 \& 0.1\% <br>
\hline ME3 ${ }^{\text {a }}$ \& 385712 \& 2007 \& Above Normal \& January \& - \& 10,221.9 \& 10,214.2 \& 7.6 \& 0.1\% \& 10,213.2 \& 8.7 \& ${ }^{0.1 \%}$ \& $10,211.0$
30435
30, \& 10.9 \& ${ }^{0.1 \%}$ \& $10,208.7$

30,4329 \& 13.2 \& ${ }^{0.1 \%}$ \& $10,206.5$
30,4306 \& 15.4
15.0 \& $0.2 \%$
$0.0 \%$
0.0 \& $10,204.3$
30.428 .2

3, \& | 17.6 |
| :--- |
| 17.4 |
| 17. | \& $0.2 \%$

$0.1 \%$ <br>
\hline ME3 \& 385712 \& 2007 \& Above Normal
Above Normal \& February

March \& - \& 30,445.6 \& 30,438.7 \& $$
\begin{aligned}
& 6.9 \\
& 8.1
\end{aligned}
$$ \& 0.0\% \& $30,437.5$

$13,072.9$
1 \& 8.1
8.1 \& 0.0\%
$0.1 \%$ \& $30,435.2$
13,706 \& 10.4
10.4 \& 0.0\%
$0.1 \%$ \& 30,432.9 \& 12.7
12.7 \& 0.0\%
$0.1 \%$ \& $30,430.6$
$13,066.0$ \& 15.0
150 \& 0.0\% \& 30,428.2 \& 17.4 \& 0.1\% <br>

\hline | ME |
| :--- |
| ME | \& 385712

385712 \& 2007 \& Above Normal \& April \& - \& 13,081.0 \& $13,072.9$
$11,50.5$ \& 8.1
14.1 \& 0.1\% \& $13,02.9$
$11,488.5$ \& 8.1
16.1 \& 0.1\% \& 13,070.6 \& 10.4
20.1 \& 0.1\% \& $13,068.3$

$11,490.4$ \& | 12.7 |
| :--- |
| 24.2 | \& 0.12\% \& $13,066.0$

$11,48.3$ \& 15.0

28.2 \& 0.2\% \& ${ }^{13,063.7} 11.482 .3$ \& | 17.4 |
| :--- |
| 32.3 | \& 0.1\% <br>

\hline мез \& 385712 \& 2007 \& Above Normal \& мay \&  \& 4,130.8 \& 4,114.0 \& 16.8 \& 0.4\% \& 4,111.7 \& 19.1 \& 0.5\% \& 4,106.8 \& 24.0 \& 0.6\% \& 4,102.1 \& 28.7 \& 0.7\% \& 4,097.2 \& 33.6 \& 0.8\% \& 4,092.5 \& 38.3 \& 0.9\% <br>
\hline ME3 \& 385712 \& 2007 \& Above Normal \& June \& - \& 1,492.1 \& 1,472.1 \& 20.0 \& 1.3\% \& 1,469.2 \& 22.9 \& 1.5\% \& 1,463.5 \& 28.6 \& 1.9\% \& 1,457.9 \& 34.3 \& 2.3\% \& 1,452.2 \& 39.9 \& 2.7\% \& 1,446.5 \& 45.6 \& 3.1\% <br>
\hline ME3 \& 385712 \& 2007 \& Above Normal \& July \& - \& 493.4 \& 473.6 \& 19.8 \& 4.0\% \& 470.7 \& 22.6 \& 4.6\% \& 465.1 \& 28.2 \& 5.7\% \& 459.5 \& 33.8 \& 6.9\% \& 453.9 \& 39.5 \& 8.0\% \& 448.3 \& 45.0 \& 9.1\% <br>
\hline мE3 \& 385712 \& 2007 \& Above Normal \& August \& -- \& 219.5 \& 202.0 \& 17.5 \& 8.0\% \& 199.5 \& 20.0 \& 9.1\% \& 194.5 \& 25.0 \& 11.4\% \& 189.5 \& 30.0 \& 13.7\% \& 184.5 \& 35.0 \& 15.9\% \& 179.6 \& 40.0 \& 18.2\% <br>
\hline ME3 \& 385712 \& 2007 \& Above Normal \& September \& Used in Summary Table Analysis \& 147.2 \& 130.8 \& 16.4 \& 11.1\% \& 128.5 \& 18.7 \& 12.7\% \& 123.8 \& 23.4 \& 15.9\% \& 119.2 \& 28.0 \& 19.0\% \& 114.5 \& 32.7 \& 22.2\% \& 109.8 \& 37.4 \& 25.4\% <br>
\hline ме3 \& 385712 \& 2008 \& Dry \& October \& Used in Summary Table Analysis \& 3,413.8 \& 3,400.8 \& 13.0 \& 0.4\% \& 3,399.0 \& 14.8 \& 0.4\% \& 3,395.1 \& 18.6 \& 0.5\% \& 3,391.4 \& 22.3 \& 0.7\% \& 3,387.7 \& 26.0 \& 0.8\% \& 3,383.9 \& 29.9 \& 0.9\% <br>
\hline ME3 \& 385712 \& 2008 \& Dry \& November \& Used in Summary Table Analysis \& 3,25.9 \& 3,245.9 \& 10.0 \& 0.3\% \& 3,244.6 \& 11.3 \& 0.3\% \& 3,241.7 \& 14.2 \& 0.4\% \& 3,238.9 \& 17.0 \& 0.5\% \& 3,236.0 \& 19.9 \& 0.6\% \& 3,233.1 \& 22.8 \& 0.7\% <br>
\hline ME3 \& 385712 \& 2008 \& Dry \& December \& \& 22,980.3 \& 22,971.1 \& 9.3 \& 0.0\% \& 22,969.9 \& 10.4 \& 0.0\% \& 22,967.6 \& 12.7 \& 0.1\% \& 22,965.3 \& 15.0 \& 0.1\% \& 22,963.0 \& 17.4 \& 0.1\% \& 22,959.5 \& 20.8 \& 0.1\% <br>
\hline ME3 \& 385712 \& 2008 \& Dry \& January \& -- \& 37,392.4 \& 37,884.3 \& 8.1 \& 0.0\% \& 37,883.1 \& 9.3 \& 0.0\% \& 37,380.8 \& 11.6 \& 0.0\% \& 37,377.3 \& 15.0 \& 0.0\% \& 37,375.0 \& 17.4 \& 0.0\% \& 37,372.7 \& 19.7 \& 0.1\% <br>
\hline me 3 \& 385712 \& 2008 \& Dry \& February \& - \& 26,237.3 \& 26,230.3 \& 6.9 \& 0.0\% \& 26,229.2 \& 8.1 \& 0.0\% \& 26,226.9 \& 10.4 \& 0.0\% \& 26,225.7 \& 11.6 \& 0.0\% \& 26,223.4 \& 13.9 \& 0.1\% \& 26,221.1 \& 16.2 \& 0.1\% <br>
\hline ME3 \& 385712

38572 \& 2008 \& Dry \& March \& - \& 11,778.9 \& 11,772.0 \& 6.9 \& 0.1\% \& 11,772.0 \& ${ }_{6}^{6.9}$ \& 0.1\% \& 11,769.7 \& 9.3 \& 0.1\% \& 11,767.4 \& 11.6 \& 0.1\% \& ${ }^{11,766.2}$ \& 12.7 \& 0.1\% \& 11,763.9 \& 15.0 \& 0.1\% <br>
\hline ME3 \& 385712

385712 \& 2008 \& Dry \& April \& $\cdots$ \& 9,004.5 \& $8,930.2$
13456 \& 14.4 \& 0.2\% \& $8,9888.1$

13434 \& 16.4 \& 0.2\% \& | $8,984.0$ |
| :--- |
| 13900 | \& 20.5 \& ${ }^{0.2 \%}$ \& $8,979.9$

13347 \& 24.7 \& 0.3\% \& $8,975.7$
13304 \& 28.8
30.4 \& 0.3\% \& $8,971.6$
1,3264 \& 32.9
345 \& 0.4\% <br>
\hline ME3 \& 385712 \& 2008 \& Dry \& May \& - \& 1,360.9 \& 1,345.6 \& 15.3 \& 1.1\% \& 1,343.4 \& 17.5 \& 1.3\% \& 1,339.0 \& 21.9 \& 1.6\% \& $1,334.7$ \& 26.2 \& 1.9\% \& 1,330.4 \& 30.4 \& 2.2\% \& 1,326.4 \& 34.5 \& 2.5\% <br>
\hline me3 \& 385712 \& 2008 \& Dry \& June \& - \& 435.0 \& 413.1 \& 21.9 \& 5.0\% \& 410.0 \& 25.0 \& 5.7\% \& 403.8 \& 31.2 \& 7.2\% \& 397.6 \& 37.3 \& 8.6\% \& 391.4 \& 43.5 \& 10.0\% \& 385.3 \& 49.6 \& 11.4\% <br>
\hline ME3 ${ }^{\text {a }}$ \& 385712 \& 2008 \& Dry \& July \& - \& 253.4 \& 232.3
15.4 \& 21.0 \& 8.3\% \& 229.3 \& 24.0 \& ${ }^{9.5 \%}$ \& 223.3
1788 \& 30.0

288 \& 11.8\% \& 217.4 \& | 36.0 |
| :--- |
| 34.5 | \& 14.2\% \& 211.4

1364 \& 42.0 \& 16.6\%
22.8\% \& 205.5
130.7 \& 47.9
45.9 \& 18.9\%
$26.0 \%$ <br>
\hline ME3 \& 385712 \& 2008 \& Dry \& August \& - \& 176.6 \& 156.4 \& 20.1 \& 11.4\% \& 153.6 \& 23.0 \& 13.0\% \& 147.8 \& 28.8 \& 16.3\% \& 142.1 \& 34.5 \& 19.5\% \& 136.4 \& 40.2 \& 22.8\% \& 130.7 \& 45.9 \& 26.0\% <br>
\hline ME3 \& 385712 \& 2008 \& Dry \& September \& Used in Summary Table Analysis \& 138.3 \& 119.2 \& 19.1 \& 13.8\% \& 116.4 \& 21.9 \& 15.8\% \& 111.0 \& 27.3 \& 19.8\% \& 105.5 \& 32.8 \& 23.7\% \& 100.1 \& 38.3 \& 27.7\% \& 94.6 \& 43.7 \& 31.6\% <br>
\hline
\end{tabular}

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of of interest
EER River Valley Groundwater sustainability Plan
Humboldt County Groundwate Sustanily

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference |
| me3 | 385712 | 2014 | Critical |  | February |  | 15,725.7 | 15,717.6 | 8.1 | 0.1\% | 15,716.4 | 9.3 | 0.1\% | 15,715.3 | 10.4 | 0.1\% | 15,713.0 | 12.7 | 0.1\% | 15,710.6 | 15.0 | 0.1\% | 15,708.3 | 17.4 | 0.1\% |
| ME3 | 385712 | 2014 | Critical | March | - | 31,450.2 | 31,443.3 | 6.9 | 0.0\% | 31,442.1 | 8.1 | 0.0\% | 31,441.0 | 9.3 | 0.0\% | 31,438.7 | 11.6 | 0.0\% | 31,436.3 | 13.9 | 0.0\% | 31,434.0 | 16.2 | 0.1\% |
| ME3 | 385772 | 2014 | Critical | April | - | 12,978.0 | 12,963.0 | 15.0 | 0.1\% | 12,960.6 | 17.4 | 0.1\% | 12,957.2 | 20.8 | 0.2\% | 12,952.5 | 25.5 | 0.2\% | 12,947.9 | ${ }^{30.1}$ | 0.2\% | 12,944.4 | 33.6 | 0.3\% |
| ME3 | 385712 | 2014 | Critical | May | - | 5,180.4 | 5,162.7 | 17.7 | 0.3\% | 5,160.3 | 20.1 | 0.4\% | 5,155.2 | 25.2 | 0.5\% | 5,150.1 | 30.3 | 0.6\% | 5,145.1 | 35.3 | 0.7\% | 5,140.0 | 40.4 | 0.8\% |
| ME3 | 385712 | 2014 | Critical | June | - | 1,194.8 | 1,170.7 | 24.1 | 2.0\% | 1,167.2 | 27.5 | 2.3\% | 1,160.4 | 34.4 | 2.9\% | 1,153.7 | 41.1 | 3.4\% | 1,146.9 | 47.9 | 4.0\% | 1,140.2 | 54.6 | 4.6\% |
| ME3 | 385712 | 2014 | Critical | July | - | 543.9 | 522.3 | 21.6 | 4.0\% | 519.3 | 24.7 | 4.5\% | 513.1 | 30.8 | 5.7\% | 507.0 | 36.9 | 6.8\% | 500.9 | 43.1 | 7.9\% | 494.7 | 49.2 | 9.0\% |
| ме3 | 385712 | 2014 | Critical | August | -- | 345.2 | 324.9 | 20.4 | 5.9\% | 322.0 | 23.3 | 6.7\% | 316.2 | 29.1 | 8.4\% | 310.4 | 34.8 | 10.1\% | 304.6 | 40.6 | 11.8\% | 298.8 | 46.4 | 13.4\% |
| мез | 385712 | 2014 | Critical | September | Used in Summary Table Analysis | 2,565.3 | 2,545.5 | 19.8 | 0.8\% | 2,542.7 | 22.6 | 0.9\% | 2,537.2 | 28.1 | 1.1\% | 2,531.5 | 33.8 | 1.3\% | 2,525.9 | 39.4 | 1.5\% | 2,520.3 | 45.0 | 1.8\% |
| ME3 | 385712 | 2015 | Dry | October | Used in Summary Table Analysis | 11,331.1 | 11,316.0 | 15.2 | 0.1\% | 11,313.8 | 17.4 | 0.2\% | 11,309.6 | 21.5 | 0.2\% | 11,305.3 | 25.8 | 0.2\% | 11,301.2 | 30.0 | 0.3\% | 11,296.6 | 34.5 | 0.3\% |
| ME3 | 385712 | 2015 | Dry | November | Used in Summary Table Analysis | 9,007.5 | 8,996.3 | 11.2 | 0.1\% | 8,994.7 | 12.8 | 0.1\% | 8,991.4 | 16.1 | 0.2\% | 8,988.3 | 19.2 | 0.2\% | 8,985.1 | 22.5 | 0.2\% | 8,981.8 | 25.7 | 0.3\% |
| мез | 385712 | 2015 | Dry | December - |  | 32,498.8 | 32,489.6 | 9.3 | 0.0\% | 32,488.4 | 10.4 | 0.0\% | 32,486.1 | 12.7 | 0.0\% | 32,482.6 | 16.2 | 0.0\% | 32,480.3 | 18.5 | 0.1\% | 32,476.9 | 22.0 | 0.1\% |
| ME3 | 385712 | 2015 | Dry | January | -- | 14,560.2 | 14,550.9 | 9.3 | 0.1\% | 14,549.8 | 10.4 | 0.1\% | 14,547.5 | 12.7 | 0.1\% | 14,545.1 | 15.0 | 0.1\% | 14,542.8 | 17.4 | 0.1\% | 14,540.5 | 19.7 | 0.1\% |
| ME3 | 385712 | 2015 | Dry | February | - | 27,187.5 | 27,180.6 | 6.9 | 0.0\% | 27,179.4 | 8.1 | 0.0\% | 27,177.1 | 10.4 | 0.0\% | 27,174.8 | 12.7 | 0.0\% | 27,172.5 | 15.0 | 0.1\% | 27,170.1 | 17.4 | 0.1\% |
| ME3 | 385712 | 2015 | Dry | March | - | 11,560.1 | 11,553.1 | 6.9 | 0.1\% | 11,552.1 | 8.0 | 0.1\% | 11,550.1 | 10.0 | 0.1\% | 11,548.0 | 12.0 | 0.1\% | 11,546.1 | 14.0 | 0.1\% | 11,544.1 | 16.0 | 0.1\% |
| ME3 | 385712 | 2015 | Dry | April | - | 8,356.1 | 8,341.6 | 14.6 | 0.2\% | 8,339.4 | 16.8 | 0.2\% | 8,335.2 | 20.9 | 0.3\% | 8,330.9 | 25.2 | 0.3\% | 8,326.7 | 29.4 | 0.4\% | 8,322.6 | 33.6 | 0.4\% |
| мез | 385712 | 2015 | Dry | May | - | 1,508.4 | 1,491.1 | 17.4 | 1.2\% | 1,488.5 | 19.9 | 1.3\% | 1,483.7 | 24.8 | 1.6\% | 1,478.7 | 29.7 | 2.0\% | 1,473.7 | 34.7 | 2.3\% | 1,468.8 | 39.7 | 2.6\% |
| ME3 | 385712 | 2015 | Dry | June | - | 651.0 | 628.7 | 22.3 | 3.4\% | 625.6 | 25.4 | 3.9\% | 619.3 | 31.7 | 4.9\% | 613.1 | 37.9 | 5.8\% | 606.9 | 44.1 | 6.8\% | 600.7 | 50.3 | 7.7\% |
| ME3 | 385712 | 2015 | Dry | July | - | 266.9 | 245.7 | 21.2 | 7.9\% | 242.7 | 24.2 | 9.1\% | ${ }^{236.6}$ | 30.2 | 11.3\% | ${ }^{230.6}$ | ${ }^{36.3}$ | 13.6\% | 224.6 | ${ }^{42.3}$ | 15.8\% | ${ }^{2118.6}$ | 48.3 | 18.1\% |
| me3 | 385712 | 2015 | Dry | August | -- | 163.9 | 143.7 | 20.2 | 12.3\% | 140.8 | 23.1 | 14.1\% | 135.0 | 28.9 | 17.6\% | 129.3 | 34.6 | 21.1\% | 123.5 | 40.4 | 24.7\% | 117.8 | 46.2 | 28.2\% |
| ME3 | 385712 | 2015 | Dry | September | Used in Summary Table Analysis | 118.6 | 100.8 | 17.8 | 15.0\% | 98.3 | 20.4 | 17.2\% | 92.7 | 26.0 | 21.9\% | 87.3 | 31.4 | 26.4\% | 81.7 | 36.9 | 31.1\% | 76.2 | 42.4 | 35.7\% |
| мез | 385712 | 2016 | Above Normal | October | Used in Summary Table Analysis | 84.2 | 68.4 | 15.8 | 18.7\% | 66.1 | 18.1 | 21.5\% | 61.7 | 22.5 | 26.7\% | 57.2 | 27.0 | 32.0\% | 52.9 | 31.3 | 37.2\% | 48.7 | 35.4 | 42.1\% |
| ME3 | 385712 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,838.2 | 3,826.9 | 11.3 | 0.3\% | 3,825.2 | 13.0 | 0.3\% | 3,821.9 | 16.3 | 0.4\% | 3,818.5 | 19.7 | 0.5\% | 3,815.2 | 23.0 | 0.6\% | 3,811.8 | 26.4 | 0.7\% |
| ME3 | 385712 | 2016 | Above Normal | December - |  | 36,480.3 | 36,471.1 | 9.3 | 0.0\% | 36,468.8 | 11.6 | 0.0\% | 36,466.4 | 13.9 | 0.0\% | 36,463.0 | 17.4 | 0.0\% | 36,460.6 | 19.7 | 0.1\% | 36,457.2 | 23.1 | 0.1\% |
| me3 | 385712 | 2016 | Above Normal | January | -- | 57,172.5 | 57,163.2 | 9.3 | 0.0\% | 57,162.0 | 10.4 | 0.0\% | 57,158.6 | 13.9 | 0.0\% | 57,156.3 | 16.2 | 0.0\% | 57,153.9 | 18.5 | 0.0\% | 57,150.5 | 22.0 | 0.0\% |
| ME3 | 385712 | 2016 | Above Normal | February | - | 24,245.4 | 24,237.3 | 8.1 | 0.0\% | 24,236.1 | 9.3 | 0.0\% | 24,233.8 | 11.6 | 0.0\% | 24,232.6 | 12.7 | 0.1\% | 24,230.3 | 15.0 | 0.1\% | 24,228.0 | 17.4 | 0.1\% |
| ме3 | 385712 | 2016 | Above Normal | March | - | 41,710.6 | 41,703.7 | 6.9 | 0.0\% | 41,702.5 | 8.1 | 0.0\% | 41,700.2 | 10.4 | 0.0\% | 41,697.9 | 12.7 | 0.0\% | 41,695.6 | 15.0 | 0.0\% | 41,693.3 | 17.4 | 0.0\% |
| ME3 | 385712 | 2016 | Above Normal | April | - | 18,518.5 | 18,512.7 | 5.8 | 0.0\% | 18,511.6 | 6.9 | 0.0\% | 18,509.3 | 9.3 | 0.0\% | 18,506.9 | 11.6 | 0.1\% | 18,505.8 | 12.7 | 0.1\% | 18,503.5 | 15.0 | 0.1\% |
| ME3 | 385712 | 2016 | Above Normal | May | - | 5,208.8 | 5,200.1 | 8.7 | 0.2\% | 5,198.8 | 10.0 | 0.2\% | 5,196.3 | 12.5 | 0.2\% | 5,193.9 | 14.9 | 0.3\% | 5,191.2 | 17.6 | 0.3\% | 5,188.7 | 20.1 | 0.4\% |
| ме3 | 385712 | 2016 | Above Normal | June | - | 1,506.5 | 1,489.1 | 17.4 | 1.2\% | 1,486.6 | 19.9 | 1.3\% | 1,481.7 | 24.8 | 1.6\% | 1,476.9 | 29.6 | 2.0\% | 1,471.9 | 34.6 | 2.3\% | 1,467.0 | 39.5 | 2.6\% |
| ME3 | 385712 | 2016 | Above Normal | July | - | 819.6 | 800.9 | 18.7 | 2.3\% | 798.2 | 21.4 | 2.6\% | 792.9 | 26.8 | 3.3\% | 787.5 | 32.1 | 3.9\% | 782.2 | 37.4 | 4.6\% | 776.9 | 42.7 | 5.2\% |
| ME3 | 385712 | 2016 | Above Normal | August | -- | 488.0 | 470.1 | 18.0 | 3.7\% | 467.5 | 20.6 | 4.2\% | 462.4 | 25.7 | 5.3\% | 457.2 | 30.8 | 6.3\% | 452.1 | 35.9 | 7.4\% | 447.0 | ${ }^{41.0}$ | 8.4\% |
| меЗ | 385712 | 2016 | Above Normal | September | Used in Summary Table Analysis | 324.6 | 308.9 | 15.7 | 4.8\% | 306.1 | 18.6 | 5.7\% | 301.4 | 23.3 | 7.2\% | 296.5 | 28.1 | 8.7\% | 291.7 | 32.9 | 10.1\% | 286.9 | 37.7 | 11.6\% |
| ME3 | 385712 | 2017 | Wet | October | Used in Summary Table Analysis | 18,229.2 | 18,216.4 | 12.7 | 0.1\% | 18,214.1 | 15.0 | 0.1\% | 18,210.6 | 18.5 | 0.1\% | 18,207.2 | 22.0 | 0.1\% | 18,202.5 | 26.6 | 0.1\% | 18,199.1 | 30.1 | 0.2\% |
| ME3 | 385712 | 2017 | Wet | November | Used in Summary Table Analysis | 18,762.7 | 18,753.5 | 9.3 | 0.0\% | 18,752.3 | 10.4 | 0.1\% | 18,748.8 | 13.9 | 0.1\% | 18,746.5 | 16.2 | 0.1\% | 18,743.1 | 19.7 | 0.1\% | 18,740.7 | 22.0 | 0.1\% |
| ME3 | 385712 385712 | 2017 | Wet | December - |  | 24,016.2 | 24,008.1 | 8.1 | 0.0\% | 24,006.9 | 9.3 | 0.0\% | 24,004.6 | 11.6 | 0.0\% | 24,002.3 | 13.9 | 0.1\% | 24,000.0 | 16.2 | 0.1\% | 23,996.5 | 19.7 | 0.1\% |
| ME3 ${ }_{\text {M }}$ | 385712 | 2017 | Wet | January | - | 106,619.2 | 106,611.1 | 8.1 | 0.0\% | 106,610.0 | 9.3 | 0.0\% | 106,608.8 | 10.4 | 0.0\% | 106,605.3 | 13.9 | 0.0\% | 106,603.0 | 16.2 | 0.0\% | 106,600.7 | 18.5 | 0.0\% |
| ME3 ${ }_{\text {M }}$ | 385712 <br> 385712 | 2017 | Wet | February | -- | $81,673.6$ 272234 | $81,665.5$ 27.216 .4 | 8.1 6.9 | 0.0\% | $81,664.4$ 272153 | 9.3 <br> 81 <br> 8 | 0.0\% | $81,662.0$ <br> 27,2130 <br> 2082 | 11.6 | 0.0\% | $81,659.7$ $27,210.6$ | 13.9 | 0.0\% | $81,658.6$ 27,283 | 15.0 | 0.0\% | $81,656.3$ 272072 | 17.4 | ${ }^{0.0 \%}$ |
| ME3 <br> ME3 | 385712 385712 | 2017 2017 | Wet Wet | $\underset{\substack{\text { March } \\ \text { April }}}{\text { a }}$ | $\cdots$ | $27,223.4$ $22,880.8$ | $27,216.4$ 22,8550 | 6.9 5.8 | 0.0\% | $27,215.3$ $22,873.8$ | 8.1 6.9 | 0.0\% | $27,213.0$ $22,872.7$ | 10.4 8.1 | 0.0\% | $27,210.6$ $22,870.4$ | 12.7 10.4 | 0.0\% | $27,208.3$ $22,868.1$ | 15.0 12.7 | ${ }^{0.1 \%}$ | $27,207.2$ $22,866.9$ | 16.2 13.9 | 0.1\% |
| ME3 | 385712 | 2017 | Wet | May | -- | 6,271.3 | 6,262.4 | 8.9 | 0.1\% | 6,261.1 | 10.2 | 0.2\% | 6,258.6 | 12.7 | 0.2\% | 6,256.0 | 15.3 | 0.2\% | 6,253.4 | 17.9 | 0.3\% | 6,250.8 | 20.5 | 0.3\% |
| ME3 | 385712 | 2017 | Wet | June | - | 2,109.0 | 2,091.2 | 17.8 | 0.8\% | 2,088.7 | 20.4 | 1.0\% | 2,083.6 | 25.5 | 1.2\% | 2,078.5 | 30.6 | 1.4\% | 2,073.5 | 35.5 | 1.7\% | 2,068.4 | 40.6 | 1.9\% |
| ME3 | 385712 | 2017 | Wet | July | - | 929.5 | 910.5 | 19.0 | 2.0\% | 907.9 | 21.7 | 2.3\% | 902.5 | 27.0 | 2.9\% | 897.1 | 32.4 | 3.5\% | 891.8 | 37.7 | 4.1\% | 886.4 | 43.1 | 4.5\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2017 | Wet | August | -- | 501.7 | 483.7 | 18.0 | 3.6\% | 481.1 | 20.6 | 4.1\% | 476.0 | 25.7 | 5.1\% | 470.9 | 30.8 | 6.1\% | 465.8 | 35.9 | 7.2\% | 460.7 | 41.1 | 8.2\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2017 | Wet | September | Used in Summary Table Analysis | 318.7 | 302.2 | 16.4 | 5.2\% | 299.9 | 18.8 | 5.9\% | 295.2 | ${ }^{23.5}$ | 7.4\% | 290.5 | 28.2 | 8.8\% | 285.8 | 32.8 | 10.3\% | 281.1 | 37.5 | 11.8\% |
| ME3 | 385712 | 2018 | Above Normal | October | Used in Summary Table Analysis | 271.5 | 258.7 | 12.7 | 4.7\% | 256.9 | 14.6 | 5.4\% | 253.3 | 18.2 | 6.7\% | 249.6 | 21.9 | 8.1\% | 245.9 | 25.5 | 9.4\% | 242.3 | 29.1 | 10.7\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,724.2 | 10,714.5 | 9.7 | 0.1\% | 10,713.0 | 11.2 | 0.1\% | 10,710.2 | 14.0 | 0.1\% | 10,707.4 | 16.8 | 0.2\% | 10,704.5 | 19.7 | 0.2\% | 10,701.7 | 22.5 | 0.2\% |
| ME3 | 385712 | 2018 | Above Normal | December - | -- | 5,440.0 | 5,431.8 | 8.2 | 0.2\% | 5,430.7 | 9.4 | 0.2\% | 5,428.2 | 11.8 | 0.2\% | 5,425.8 | 14.2 | 0.3\% | 5,423.4 | 16.7 | 0.3\% | 5,420.9 | 19.1 | 0.4\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2018 | Above Normal | January | - | 17,664.4 | 17,657.4 | 6.9 | 0.0\% | 17,656.3 | 8.1 | 0.0\% | 17,653.9 | 10.4 | 0.1\% | 17,651.6 | 12.7 | 0.1\% | 17,649.3 | 15.0 | 0.1\% | 17,647.0 | 17.4 | 0.1\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2018 | Above Normal | February | - | 7,592.4 | 7,585.6 | 6.7 | 0.1\% | 7,584.6 | 7.8 | 0.1\% | 7,588.6 | 9.7 | 0.1\% | 7,580.7 | 11.7 | 0.2\% | 7,578.7 | 13.7 | 0.2\% | 7,576.7 | 15.6 | 0.2\% |
| me3 | 385712 | 2018 | Above Normal | March | - | 20,626.2 | 20,619.2 | 6.9 | 0.0\% | 20,618.1 | 8.1 | 0.0\% | 20,616.9 | ${ }^{9.3}$ | 0.0\% | 20,614.6 | 11.6 | 0.1\% | 20,612.3 | 13.9 | 0.1\% | 20,611.1 | 15.0 | 0.1\% |
| ME 3 ME3 | 385712 | 2018 | Above Normal | April | - | 32,114.6 | 32,107.6 | 6.9 | 0.0\% | 32,107.6 | 6.9 | 0.0\% | 32,105.3 | 9.3 | 0.0\% | 32,104.2 | 10.4 | 0.0\% | 32,101.9 | 12.7 | 0.0\% | 32,100.7 | 13.9 | 0.0\% |
| ME 3 <br> ME | 385712 385712 | 2018 | Above Normal | May | - | 6,985.9 | ${ }^{6,972720}$ | 13.9 | 0.2\% | 6,969.9 | 16.0 | ${ }^{0.2 \%}$ | 6,99660 | 19.9 | 0.3\% | ${ }^{6,962.0}$ | 23.8 306 | 0.3\% | 6,958.1 | 27.8 <br> 35.6 <br> 18.7 | 0.4\% | 6,954.4 1,8699 | 31.5 | ${ }^{0.5 \%}$ |
| мез | 385712 | 2018 | Above Normal | July | -- | 1,977.4 | $1,858.5$ 758 | 18.9 | 2.4\% | $1,859.9$ 759 | 21.6 | 2.8\% | $1,850.1$ 750.5 | 27.0 | 3.5\% | ${ }^{1,845.1}$ | 32.3 | 4.2\% | ${ }^{1,739.7}$ | 35.8 37.7 | 4.9\% | 734.4 | 43.0 | 5.5\% |
| ME3 | 385712 | 2018 | Above Normal | August | - | 438.7 | 421.4 | 17.3 | 3.9\% | 418.9 | 19.8 | 4.5\% | 414.0 | 24.7 | 5.6\% | 409.1 | 29.6 | 6.8\% | 404.1 | 34.5 | 7.9\% | 399.2 | 39.5 | 9.0\% |
| ME3 | 385712 | 2018 | Above Normal | September | Used in Summary Table Analysis | 296.4 | 280.0 | 16.4 | 5.5\% | 277.7 | 18.8 | 6.3\% | 273.0 | 23.5 | 7.9\% | 268.3 | 28.2 | 9.5\% | 263.6 | 32.9 | 11.1\% | 258.8 | 37.6 | 12.7\% |
| ME3 | 385712 | 2019 | Below Normal | October | Used in Summary Table Analysis | 205.1 | 192.6 | 12.5 | 6.1\% | 190.9 | 14.2 | 6.9\% | 187.3 | 17.8 | 8.7\% | 183.6 | 21.5 | 10.5\% | 180.2 | 25.0 | 12.2\% | 176.6 | 28.6 | 13.9\% |
| ME3 | 385712 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,579.3 | 6,569.4 | 9.8 | 0.1\% | 6,568.1 | 11.2 | 0.2\% | 6,565.2 | 14.1 | 0.2\% | 6,562.4 | 16.9 | 0.3\% | 6,559.5 | 19.8 | 0.3\% | 6,556.6 | 22.7 | 0.3\% |
| ME3 | 385712 | 2019 | Below Normal | December - | - | 14,590.3 | 14,582.2 | 8.1 | 0.1\% | 14,581.0 | 9.3 | 0.1\% | 14,578.7 | 11.6 | 0.1\% | 14,576.4 | 13.9 | 0.1\% | 14,574.1 | 16.2 | 0.1\% | 14,571.8 | 18.5 | 0.1\% |
| ME3 | 385712 | 2019 | Below Normal | January | - | 35,068.3 | 35,061.3 | 6.9 | 0.0\% | 35,060.2 | 8.1 | 0.0\% | 35,057.9 | 10.4 | 0.0\% | 35,055.6 | 12.7 | 0.0\% | 35,053.2 | 15.0 | 0.0\% | 35,050.9 | 17.4 | 0.0\% |
| ME3 | 385712 | 2019 | Below Normal | February |  | 141,759.3 | 141,759.3 | ${ }^{0.0}$ | 0.0\% | 141,747.7 | 11.6 | 0.0\% | 141,747.7 | 11.6 | 0.0\% | 141,747.7 | 11.6 | 0.0\% | 141,747.7 | 11.6 | 0.0\% | 141,747.7 | 11.6 | 0.0\% |
| ME3 | 385712 | 2019 | Below Normal | March | - | 42,237.3 | 42,231.5 | 5.8 | 0.0\% | 42,230.3 | 6.9 | 0.0\% | 42,228.0 | 9.3 | 0.0\% | 42,226.9 | 10.4 | 0.0\% | 42,224.5 | 12.7 | 0.0\% | 42,222.2 | 15.0 | 0.0\% |
| ME3 | 385712 | 2019 | Below Normal | April | - | 15,250.0 | 15,244.2 | 5.8 | 0.0\% | 15,243.1 | 6.9 | 0.0\% | 15,240.7 | ${ }^{9.3}$ | 0.1\% | 15,239.6 | 10.4 | 0.1\% | 15,237.3 | 12.7 | 0.1\% | 15,236.1 | 13.9 |  |
| ME3 | 385712 | 2019 | Below Normal | May | -- | 16,825.2 | 16,810.2 | 15.0 | 0.1\% | 16,807.9 | 17.4 | 0.1\% | 16,803.2 | 22.0 | 0.1\% | 16,799.8 | 25.5 | 0.2\% | 16,795.1 | 30.1 | 0.2\% | 16,790.5 | 34.7 | 0.2\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month | Note | Flow Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, Surface Water Reach) |  |  | Flow (cts) |  |  | $\begin{gathered} \text { Flow } \\ \substack{\text { Difference } \\ \text { (cfs) }} \end{gathered}$ | Percent Difference | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (fss) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| me3 | 385712 | 2019 | Below Normal |  | June | - | 4,243.2 | 4,223.8 | 19.3 | 0.5\% | 4,221.1 | 22.1 | 0.5\% | 4,215.6 | 27.5 | 0.6\% | 4,210.4 | 32.8 | 0.8\% | 4,205.3 | 37.8 | 0.9\% | 4,200.1 | 43.1 | 1.0\% |
| ME3 | 385712 | 2019 | Below Normal | July | - | 1,356.3 | 1,337.3 | 19.0 | 1.4\% | 1,334.5 | 21.8 | 1.6\% | 1,329.2 | 27.1 | 2.0\% | 1,323.7 | 32.5 | 2.4\% | 1,318.4 | 37.8 | 2.8\% | 1,313.0 | 43.3 | 3.2\% |
| мез | 385712 | 2019 | Below Normal | August | -- | 591.8 | 574.0 | 17.8 | 3.0\% | 571.4 | 20.4 | 3.4\% | 566.4 | 25.4 | 4.3\% | 561.3 | 30.5 | 5.1\% | 556.3 | 35.5 | 6.0\% | 551.2 | 40.6 | 6.9\% |
| мез | 385712 | 2019 | Below Normal | September | Used in Summary Table Analysis | 458.8 | 442.4 | 16.4 | 3.6\% | 440.1 | 18.7 | 4.1\% | 435.4 | 23.4 | 5.1\% | 430.7 | 28.1 | 6.1\% | 426.1 | 32.7 | 7.1\% | 421.4 | 37.4 | 8.2\% |
| ME3 | 385712 | 2020 | Dry | October | Used in Summary Table Analysis | 353.0 | 341.1 | 12.0 | 3.4\% | 339.3 | 13.7 | 3.9\% | 335.9 | 17.1 | 4.9\% | 332.4 | 20.6 | 5.8\% | 329.0 | 24.0 | 6.8\% | 325.5 | 27.5 | 7.8\% |
| ме3 | 385712 | 2020 | Dry | November | Used in Summary Table Analysis | 313.5 | 304.3 | 9.2 | 2.9\% | 303.0 | 10.5 | 3.4\% | 300.3 | 13.2 | 4.2\% | 297.6 | 15.9 | 5.1\% | 295.0 | 18.5 | 5.9\% | 292.3 | 21.2 | 6.8\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2020 | Dry | December | -- | 13,174.8 | 13,166.7 | 8.1 | 0.1\% | 13,165.5 | 9.3 | 0.1\% | 13,163.2 | 11.6 | 0.1\% | 13,159.7 | 15.0 | 0.1\% | 13,157.4 | 17.4 | 0.1\% | 13,155.1 | 19.7 | 0.1\% |
| мE3 | 385712 | 2020 | Dry | January | -- | 22,244.2 | 22,236.1 | 8.1 | 0.0\% | 22,235.0 | 9.3 | 0.0\% | 22,232.6 | 11.6 | 0.1\% | 22,230.3 | 13.9 | 0.1\% | 22,228.0 | 16.2 | 0.1\% | 22,225.7 | 18.5 | 0.1\% |
| мез | 385712 | 2020 | Dry | February | -- | 7,411.2 | 7,404.4 | 6.8 | 0.1\% | 7,403.4 | 7.9 | 0.1\% | 7,401.4 | 9.8 | 0.1\% | 7,399.3 | 11.9 | 0.2\% | 7,397.2 | 14.0 | 0.2\% | 7,395.3 | 16.0 | 0.2\% |
| ME3 | 385712 | 2020 | Dry | March | - | 7,228.5 | 7,221.9 | 6.6 | 0.1\% | 7,220.9 | 7.5 | 0.1\% | 7,219.0 | 9.5 | 0.1\% | 7,217.1 | 11.3 | 0.2\% | 7,215.2 | 13.3 | 0.2\% | 7,213.2 | 15.3 | 0.2\% |
| ME3 | 385712 | 2020 | Dry | April | - | 5,465.5 | 5,450.9 | 14.6 | 0.3\% | 5,448.8 | 16.7 | 0.3\% | 5,444.6 | 20.9 | 0.4\% | 5,440.4 | 25.1 | 0.5\% | 5,436.2 | 29.3 | 0.5\% | 5,431.9 | 33.6 | 0.6\% |
| ME3 ${ }^{\text {a }}$ | 385712 | 2020 | Dry | May | - | 7,354.4 | 7,336.9 | 17.5 | 0.2\% | 7,334.5 | 19.9 | 0.3\% | 7,329.5 | 24.9 | 0.3\% | 7,324.4 | 30.0 | 0.4\% | 7,399.3 | 35.1 | 0.5\% | 7,314.4 | 40.0 | 0.5\% |
| ME3 | 385712 | 2020 | Dry | June | - | 2,104.1 | 2,081.1 | 22.9 | 1.1\% | 2,077.9 | 26.2 | 1.2\% | 2,071.8 | 32.3 | 1.5\% | 2,065.5 | 38.5 | 1.8\% | 2,059.4 | 44.7 | 2.1\% | 2,053.1 | 50.9 | 2.4\% |
| ME3 | 385712 | 2020 | Dry | July | - | 793.6 | 771.6 | 22.0 | 2.8\% | 768.5 | 25.1 | 3.2\% | 762.2 | 31.4 | 4.0\% | 756.0 | 37.6 | 4.7\% | 749.7 | 43.9 | 5.5\% | 743.4 | 50.1 | 6.3\% |
| ME3 | 385712 | 2020 | Dry | August | -- | 396.1 | 374.7 | 21.4 | 5.4\% | 371.6 | 24.4 | 6.2\% | 365.5 | 30.5 | 7.7\% | 359.5 | 33.6 | 9.2\% | 353.4 | 42.7 | 10.8\% | 347.3 | 48.8 | 12.3\% |
| ME3 | 385712 | 2020 | Dry | September | Used in Summary Table Analysis | 245.6 | 226.8 | 18.8 | 7.6\% | 224.1 | 21.5 | 8.7\% | 217.9 | 27.7 | 11.3\% | 212.3 | 33.3 | 13.6\% | 206.4 | 39.2 | 16.0\% | 200.6 | 45.0 | 18.3\% |
| ME3 ${ }^{\text {a }}$ | 385613 | 2000 | Above Normal | October | Used in Summary Table Analysis | 811.9 | 799.2 | 12.7 | 1.6\% | 797.4 | 14.5 | 1.8\% | 793.8 | 18.1 | 2.2\% | 790.1 | 21.7 | 2.7\% | ${ }^{786.5}$ | 25.4 | 3.1\% | 782.8 | 29.0 | 3.6\% |
| ME3 | 385613 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,046.3 | 12,035.9 | 10.4 | 0.1\% | 12,034.7 | 11.6 | 0.1\% | 12,031.3 | 15.0 | 0.1\% | 12,028.9 | 17.4 | 0.1\% | 12,025.5 | 20.8 | 0.2\% | 12,023.1 | 23.1 | 0.2\% |
| ME3 | 385613 | 2000 | Above Normal | December | -- | 10,771.9 | 10,763.3 | 8.6 | 0.1\% | 10,762.2 | 9.7 | 0.1\% | 10,759.6 | 12.3 | 0.1\% | 10,757.1 | 14.8 | 0.1\% | 10,754.6 | 17.2 | 0.2\% | 10,752.1 | 19.8 | 0.2\% |
| ME3 | 385613 | 2000 | Above Normal | January | - | 28,453.7 | 28,445.6 | 8.1 | 0.0\% | 28,444.4 | 9.3 | 0.0\% | 28,442.1 | 11.6 | 0.0\% | 28,439.8 | 13.9 | 0.0\% | 28,437.5 | 16.2 | 0.1\% | 28,435.2 | 18.5 | 0.1\% |
| ME3 | 385613 | 2000 | Above Normal | February | - | 36,961.8 | 36,953.7 | 8.1 | 0.0\% | 36,953.7 | 8.1 | 0.0\% | 36,951.4 | 10.4 | 0.0\% | 36,949.1 | 12.7 | 0.0\% | 36,946, 8 | 15.0 | 0.0\% | 36,944.4 | 17.4 | 0.0\% |
| ME3 ${ }^{\text {a }}$ | 385613 | 2000 | Above Normal | March | - | 18,290.5 | 18,284.7 | 5.8 | 0.0\% | 18,283.6 | 6.9 | 0.0\% | 18,281.3 | 9.3 | 0.1\% | 18,278.9 | 11.6 | 0.1\% | 18,277.8 | 12.7 | 0.1\% | 18,275.5 | 15.0 | 0.1\% |
| me3 | 385613 | 2000 | Above Normal | April | - | 12,295.1 | 12,288.2 | 6.9 | 0.1\% | 12,288.2 | 6.9 | 0.1\% | 12,285.9 | 9.3 | 0.1\% | 12,283.6 | 11.6 | 0.1\% | 12,282.4 | 12.7 | 0.1\% | 12,280.1 | 15.0 | 0.1\% |
| мез | 385613 | 2000 | Above Normal | May | -- | 7,078.7 | 7,064.1 | 14.6 | 0.2\% | 7,062.0 | 16.7 | 0.2\% | 7,057.9 | 20.8 | 0.3\% | 7,053.6 | 25.1 | 0.4\% | 7,049.4 | 29.3 | 0.4\% | 7,045.3 | 33.4 | 0.5\% |
| ME3 | 385613 | 2000 | Above Normal | June | - | 2,604.9 | 2,583.2 | 21.6 | 0.8\% | 2,580.2 | 24.7 | 0.9\% | 2,574.0 | 30.9 | 1.2\% | 2,567.8 | 37.0 | 1.4\% | 2,561.7 | 43.2 | 1.7\% | 2,555.6 | 49.3 | 1.9\% |
| ME3 | 385613 | 2000 | Above Normal | July | - | 988.6 | 969.4 | 19.1 | 1.9\% | 966.7 | 21.9 | 2.2\% | 961.3 | 27.3 | 2.8\% | 955.9 | 32.7 | 3.3\% | 950.5 | 38.1 | 3.9\% | 945.1 | 43.5 | 4.4\% |
| ME3 ${ }^{\text {a }}$ | 385613 | 2000 | Above Normal | August | -- | 518.5 | 500.8 | 17.7 | 3.4\% | 498.3 | 20.3 | 3.9\% | 493.2 | 25.3 | 4.9\% | 488.2 | 30.3 | 5.8\% | 483.2 | 35.4 | ${ }^{6.8 \%}$ | 478.1 | 40.4 | 7.8\% |
| ME3 | 385613 | 2000 | Above Normal | September | Used in Summary Table Analysis | 292.4 | 276.9 | 15.5 | 5.3\% | 274.7 | 17.7 | 6.0\% | 270.3 | 22.1 | 7.6\% | 265.9 | 26.5 | 9.1\% | 261.5 | 30.9 | 10.6\% | 257.1 | 35.3 | 12.1\% |
| мез | 385613 | 2001 | Dry | October | Used in Summary Table Analysis | 3,798.5 | 3,785.9 | 12.6 | 0.3\% | 3,784.1 | 14.4 | 0.4\% | 3,780.6 | 17.9 | 0.5\% | 3,777.0 | 21.5 | 0.6\% | 3,773.4 | 25.1 | 0.7\% | 3,769.7 | 28.8 | 0.8\% |
| ME3 | 385613 | 2001 | Dry | November | Used in Summary Table Analysis | 6,097.1 | 6,087.0 | 10.1 | 0.2\% | 6,085.6 | 11.5 | 0.2\% | 6,082.8 | 14.4 | 0.2\% | 6,079.9 | 17.2 | 0.3\% | 6,077.0 | 20.1 | 0.3\% | 6,074.1 | 23.0 | 0.4\% |
| ME3 | 385613 | 2001 | Dry | December |  | 8,811.3 | 8,802.7 | 8.7 | 0.1\% | 8,801.4 | 10.0 | 0.1\% | 8,798.8 | 12.5 | 0.1\% | 8,796.3 | 15.0 | 0.2\% | 8,793.8 | 17.6 | 0.2\% | 8,791.2 | 20.1 | 0.2\% |
| ME3 | 385613 | 2001 | Dry | January | - | 12,738.4 | 12,731.5 | 6.9 | 0.1\% | 12,730.3 | 8.1 | 0.1\% | 12,728.0 | 10.4 | 0.1\% | 12,725.7 | 12.7 | ${ }^{0.1 \%}$ | $12,723.4$ 17 172488 | 15.0 | ${ }^{0.1 \%}$ | $12,721.1$ 17,225 | 17.4 | 0.1\% |
| ME3 | 385613 | 2001 | Dry | February |  | 17,438.7 | 17,431.7 | 6.9 | 0.0\% | 17,430.6 | 8.1 | 0.0\% | 17,428.2 | 10.4 | 0.1\% | 17,425.9 | 12.7 | 0.1\% | 17,424.8 | 13.9 | 0.1\% | 17,422.5 | 16.2 | 0.1\% |
| мез | 385613 | 2001 | Dry | March | - | 12,280.1 | 12,273.1 | 6.9 | 0.1\% | 12,272.0 | 8.1 | 0.1\% | 12,269.7 | 10.4 | 0.1\% | 12,268.5 | 11.6 | 0.1\% | 12,266,2 | 13.9 | 0.1\% | 12,263.9 | 16.2 | 0.1\% |
| мез | 385613 | 2001 | Dry | April | - | 10,954.1 | 10,939.0 | 15.0 | 0.1\% | 10,936.9 | 17.1 | 0.2\% | 10,932.6 | 21.4 | 0.2\% | 10,928.2 | 25.8 | 0.2\% | 10,924.0 | 30.1 | 0.3\% | 10,919.7 | 34.4 | 0.3\% |
| ME3 | 385613 | 2001 | Dry | May | - | 2,636.3 | 2,618.8 | 17.6 | 0.7\% | 2,616.2 | 20.1 | 0.8\% | 2,611.1 | 25.2 | 1.0\% | 2,606.1 | 30.2 | 1.1\% | 2,601.0 | 35.3 | 1.3\% | 2,596.1 | 40.3 | 1.5\% |
| ME3 | 385613 | 2001 | Dry | June | - | 2,636.7 | 2,612.7 | 24.0 | 0.9\% | 2,609.4 | 27.3 | 1.0\% | 2,602.5 | 34.1 | 1.3\% | 2,595.8 | 40.9 | 1.5\% | 2,589.1 | 47.6 | ${ }^{1.8 \%}$ | $2,582.4$ <br> 6875 <br> 12.2 | 54.3 | ${ }_{\text {2.1\% }}$ |
| ME3 | 385613 | 2001 | Dry | July | - | 717.3 | 695.4 | 21.9 | 3.1\% | 692.3 | 25.0 | 3.5\% | 686.1 | 31.2 | 4.3\% | 679.9 | 37.4 | 5.2\% | 673.7 | 43.6 | 6.1\% | 667.5 | 49.8 | 6.9\% |
| ME3 | 385613 38513 | 2001 | Dry | August September | Used in Summar Tale Analysis | 170.3 931 | 149.2 74.6 | 21.1 18.5 | 12.4\% | 146.2 | 24.1 | 14.1\% | 140.2 | 30.1 26.4 | 17.7\% | 134.2 | 36.1 317 | 21.2\% | 128.2 56.1 | 42.1 | 24.7\% | 122.2 509 | 48.1 | 28.2\% |
| ME3 | 385613 | 2001 | Dry | September | Used in Summary Table Analysis | ${ }^{93.1}$ | 74.6 | 18.5 | 19.9\% | 71.9 | 21.1 | 22.7\% | ${ }_{260.7}^{66.8}$ | 26.4 21.7 | 28.4\% | ${ }^{613.4}$ | 31.7 | 34.0\% | 56.1 | 36.9 | 39.7\% | 50.9 | ${ }^{42.2}$ | 45.4\% |
| ME3 <br> ME3 | 385613 385613 | 2002 | Below Normal Below Normal | October November | Used in Summary Table Analysis Used in Summary Table Analysis | 262.5 11.989 .6 | 247.3 11998.0 | 15.2 11.6 | 5.8\% | 245.2. 11976.9 | 17.3 12.7 | 6.6\% | ${ }_{\text {240.8 }}^{11,973.4}$ | 21.7 16.2 | 8.3\% $0.1 \%$ | ${ }_{\text {236.4, }}^{\text {23,969.9 }}$ | 26.1 197 | 9.9\% | 232.1 11.966 .4 | 30.4 <br> 23.1 | 11.6\% | ${ }_{\text {220, }}^{227.7}$ | 34.8 <br> 26.6 | 13.2\% |
| ME3 | 385613 | 2002 | Below Normal | December | -- | 35,572.9 | 35,562.5 | 10.4 | 0.0\% | ${ }_{35,561.3}$ | 11.6 | 0.0\% | 35,557.9 | 15.0 | 0.0\% | 35,554.4 | 18.5 | 0.1\% | 35,552.1 | 20.8 | 0.1\% | 35,548.6 | 24.3 | 0.1\% |
| ме3 | 385613 | 2002 | Below Normal | January | -- | 30,806.7 | 30,797.5 | 9.3 | 0.0\% | 30,796.3 | 10.4 | 0.0\% | 30,794.0 | 12.7 | 0.0\% | 30,791.7 | 15.0 | 0.0\% | 30,788.2 | 18.5 | 0.1\% | 30,785.9 | 20.8 | 0.1\% |
| ME3 | 385613 | 2002 | Below Normal | February | -- | 24,635.4 | 24,626.2 | 9.3 | 0.0\% | 24,625.0 | 10.4 | 0.0\% | 24,622.7 | 12.7 | 0.1\% | 24,620.4 | 15.0 | 0.1\% | 24,618.1 | 17.4 | 0.1\% | 24,615.7 | 19.7 | 0.1\% |
| ME3 | 385613 | 2002 | Below Normal | March | - | 17,746.5 | 17,738.4 | 8.1 | 0.0\% | 17,737.3 | 9.3 | 0.1\% | 17,735.0 | 11.6 | 0.1\% | 17,732.6 | 13.9 | 0.1\% | 17,729.2 | 17.4 | 0.1\% | 17,726.9 | 19.7 | 0.1\% |
| ME3 | 385613 | 2002 | Below Normal | April | - | 9,911.9 | 9,897.1 | 14.8 | 0.1\% | 9,894.9 | 17.0 | 0.2\% | 9,890.6 | 21.3 | 0.2\% | 9,886.5 | 25.5 | 0.3\% | ${ }^{9,8882.2}$ | 29.7 35.7 | 0.3\% | 9,877.9 | 34.0 | 0.3\% |
| ME3 | 385613 | 2002 | Below Normal | May | - | 3,314.5 | 3,296.9 | 17.6 | 0.5\% | 3,294.4 | 20.0 | 0.6\% | 3,289.4 | 25.1 | 0.8\% | 3,284.4 | 30.1 | 0.9\% | 3,279.3 | 35.2 | 1.1\% | 3,274.3 | 40.2 | 1.2\% |
| ME3 | 385613 38513 | 2002 | Below Normal | June | - | 851.6 3601 | 831.8 3405 | 19.7 | $2.3 \%$ $5.5 \%$ ar | 829.0 3376 | 22.5 <br> 22.4 <br> 1 | ${ }_{\text {2. }}^{\text {2.\% }}$ | 823.4 3320 | 28.1 280 | $3.3 \%$ $7.8 \%$ | 817.8 3265 | 33.7 336 | 4.0\% | 812.2 3209 | 39.3 39.2 | 4.6\% | ${ }_{306.7}^{80.7}$ | 44.9 | 5.3\% |
| ME3 <br> ME3 | 385613 | 2002 | Below Normal Below Normal | July | - | ${ }_{30.1}$ | 340.5 | 19.6 | 5.5\% | 337.6 | 22.4 | ${ }_{\text {6.2\% }}$ | 332.0 | 28.0 | 7.8\% | 326.5 | ${ }^{33.6}$ | 9.3\% | 320.9 1829 | 39.2 | 10.9\% | 315.3 | 44.8 | 12.4\% |
| ME3 <br> ME | 385613 385613 | 2002 | Below Normal Below Normal | August | Used in Summary Table Analysis | 224.4 161.4 | 206.2 144.4 | 18.2 17.0 | 8.1\% 10.5\% | 203.6 142.0 | 20.8 19.4 | 9.3\% | 198.4 137.1 | 26.0 24.3 | 11.6\% | 193.2 132.3 | 31.2 29.1 | 13.9\% | 188.0 127.4 | 36.4 34.0 | 16.2\% | 182.8 122.6 | 41.5 38.8 | 18.5\% |
| мез 3 | 385613 | 2003 | Wet | October | Used in Summary Table Analysis | 126.5 | 112.9 | 13.6 | 10.8\% | 110.9 | 15.6 | 12.3\% | 107.0 | 19.5 | 15.4\% | 103.1 | 23.4 | 18.5\% | 99.2 | 27.3 | 21.6\% | 95.3 | 31.3 | 24.7\% |
| ME3 | 385613 | 2003 | Wet | November | Used in Summary Table Analysis | 893.0 | 88.3 | 10.7 | 1.2\% | 880.8 | 12.3 | 1.4\% | 877.6 | 15.4 | 1.7\% | 874.5 | 18.5 | 2.1\% | 871.5 | 21.6 | 2.4\% | 868.4 | 24.6 | 2.8\% |
| ME3 | 385613 | 2003 | Wet | December | -- | 56,559.0 | 56,549.8 | 9.3 | 0.0\% | 56,548.6 | 10.4 | 0.0\% | 56,545.1 | 13.9 | 0.0\% | 56,542.8 | 16.2 | 0.0\% | 56,540.5 | 18.5 | 0.0\% | 56,577.0 | 22.0 | 0.0\% |
| ME3 | 385613 | 2003 | Wet | January | - | 31,476.9 | 31,467.6 | 9.3 | 0.0\% | 31,466.4 | 10.4 | 0.0\% | 31,464.1 | 12.7 | 0.0\% | 31,461.8 | 15.0 | 0.0\% | 31,459.5 | 17.4 | 0.1\% | 31,457.2 | 19.7 | 0.1\% |
| mes | $\begin{array}{r}385613 \\ \hline 3513\end{array}$ | 2003 | Wet | February | - | 20,325.2 | 20,317.1 | 8.1 | 0.0\% | 20,316.0 | 9.3 | 0.0\% | 20,313.7 | 11.6 | 0.1\% | 20,311.3 | 13.9 | 0.1\% | 20,309.0 | 16.2 | 0.1\% | 20,306.7 | 18.5 | 0.1\% |
| ME3 | 385613 | 2003 | Wet | March | - | 23,989.6 | 23,9827.6 | 6.9 | 0.0\% | 23,981.5 | 8.1 | 0.0\% | 23,979.2 | 10.4 | 0.0\% | 23,976.9 | 12.7 | 0.1\% | 23,974.5 | 15.0 | 0.1\% | 23,973.4 | 16.2 | 0.1\% |
| ME3 | 385613 385613 | 2003 | Wet | April | $\cdots$ | $42,805.6$ 120208 120 | $42,797.5$ 12,193 | 8.1 150 | 0.0\% | $42,796.3$ 121910 | 9.3 17.4 | 0.0\% | $42,795.1$ 121875 | 10.4 | 0.0\% | $42,792.8$ 12,1829 | 12.7 <br> 25 | 0.0\% | $42,790.5$ <br> 121782 | 15.0 | 0.0\% | $42,788.2$ 12,174 3, | 17.4 | 0.0\% |
| ME3 <br> ME3 | 385613 | 2003 | Wet | May June | - | 12,208.3 | 12,193.3 | 15.0 | 0.1\% | ${ }^{12,191.0}$ | 17.4 | 0.1\% | 12,187.5 | 20.8 272 | 0.2\% | $12,182.9$ 3,1300 1,469 | 25.5 325 | 0.2\% | 12,178.2 3124, | 30.1 | 0.2\% | $12,174.8$ 3,1198 1 | 33.6 431 | $0.3 \%$ $1.4 \%$ |
| мез 3 | 385613 | 2003 | Wet | July | - | 1,470.0 | 1,450.5 | 19.6 | 1.3\% | 1,447.7 | 22.3 | 1.5\% | ${ }_{1}^{1,442.2}$ | 27.8 | 1.9\% | 1,436.7 | ${ }_{33.3}$ | 2.3\% | ${ }_{1,431.1}$ | 38.9 | 2.6\% | ${ }_{1,425.6}$ | 44.4 | 3.0\% |
| мез | 385613 | 2003 | Wet | August | -- | 756.5 | 737.8 | 18.7 | 2.5\% | 735.1 | 21.4 | 2.8\% | 729.8 | 26.7 | 3.5\% | 724.4 | 32.1 | 4.2\% | 719.1 | 37.4 | 4.9\% | 713.6 | 42.9 | 5.7\% |
| ME3 | 385613 | 2003 | Wet | Septemb | Table Analysis | 454.8 | 439.1 | 15.7 | 3.4\% | 436.8 | 17.9 | 3.9\% | 432.4 | 22.4 | 4.9\% | 427.9 | 26.9 | 5.9\% | 423.4 | 31.3 | 6.9\% | 419.0 | 35.8 | 7.9\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
EER River Valley Groundwater sustainability Plan
Humboldt County Groundaze Susan

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Surface Water Depletion Area Area of Interes} \& \multirow[b]{2}{*}{Model Cell (Row, Column, Surface Water Reach)} \& \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Water Year Water Year Typ}} \& \multirow[b]{2}{*}{Month} \& \& \multirow[b]{2}{*}{\[
\begin{aligned}
\& \text { Flow } \\
\& \text { Without } \\
\& \text { Pumping } \\
\& \text { (cfs) }
\end{aligned}
\]} \& \multicolumn{3}{|c|}{75\% Pumping Increase} \& \multicolumn{3}{|r|}{100\% Pumping Increase} \& \multicolumn{3}{|c|}{150\% Pumping Increase} \& \multicolumn{3}{|c|}{200\% Pumping Increase} \& \multicolumn{3}{|c|}{250\% Pumping Increase} \& \multicolumn{3}{|c|}{00\% Pumping Increase} \\
\hline \& \& \& \& \& Note \& \& Flow (ffs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cts) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cts) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Fiow } \\
\text { Difference } \\
\text { (cts) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent Difference \& Flow (ffs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (ffs) }
\end{gathered}
\] \& Percent
Difference \\
\hline мез 3 \& 385613 \& 2004 \& Wet \& October \& Used in Summary Table Analysis \& 321.9 \& 309.2 \& 12.7 \& 4.0\% \& 307.3 \& 14.5 \& 4.5\% \& 303.7 \& 18.2 \& 5.6\% \& 300.0 \& 21.8 \& 6.8\% \& 296.4 \& 25.5 \& 7.9\% \& 292.7 \& 29.2 \& 9.1\% \\
\hline ME3 \& 385613 \& 2004 \& Wet \& November \& Used in Summary Table Analysis \& 5,775.0 \& 5,764.8 \& 10.2 \& 0.2\% \& 5,763.3 \& 11.7 \& 0.2\% \& 5,760.4 \& 14.6 \& 0.3\% \& 5,757.4 \& 17.6 \& 0.3\% \& 5,754.5 \& 20.5 \& 0.4\% \& 5,751.5 \& 23.5 \& 0.4\% \\
\hline ME3 \& 385613 \& 2004 \& Wet \& December - \& \& 36,186.3 \& 36,177.1 \& 9.3 \& 0.0\% \& 36,175.9 \& 10.4 \& 0.0\% \& 36,173.6 \& 12.7 \& 0.0\% \& 36,171.3 \& 15.0 \& 0.0\% \& 36,167.8 \& 18.5 \& 0.1\% \& 36,165.5 \& 20.8 \& 0.1\% \\
\hline ME3 \& 385613 \& 2004 \& Wet \& January \& \& 31,387.7 \& 31,379.6 \& 8.1 \& 0.0\% \& 31,378.5 \& 9.3 \& 0.0\% \& 31,376.2 \& 11.6 \& 0.0\% \& 31,373.8 \& 13.9 \& 0.0\% \& 31,372.7 \& 15.0 \& 0.0\% \& 31,370.4 \& 17.4 \& 0.1\% \\
\hline ме3 \& 385613 \& 2004 \& Wet \& February \& - \& 38,153.9 \& 38,147.0 \& 6.9 \& 0.0\% \& 38,145.8 \& 8.1 \& 0.0\% \& 38,143.5 \& 10.4 \& 0.0\% \& 38,141.2 \& 12.7 \& 0.0\% \& 38,138.9 \& 15.0 \& 0.0\% \& 38,136.6 \& 17.4 \& 0.0\% \\
\hline ME3 \& 385613 \& 2004 \& Wet \& March \& - \& 16,508.1 \& 16,501.2 \& 6.9 \& 0.0\% \& 16,501.2 \& 6.9 \& 0.0\% \& 16,498.8 \& 9.3 \& 0.1\% \& 16,496.5 \& 11.6 \& 0.1\% \& 16,494.2 \& 13.9 \& 0.1\% \& 16,493.1 \& 15.0 \& 0.1\% \\
\hline ME3 \& 385613 \& 2004 \& Wet \& April \& - \& 9,439.0 \& 9,432.4 \& 6.6 \& 0.1\% \& 9,431.5 \& 7.5 \& 0.1\% \& 9,429.5 \& 9.5 \& 0.1\% \& 9,427.7 \& 11.3 \& 0.1\% \& 9,425.6 \& 13.4 \& 0.1\% \& 9,423.7 \& 15.3 \& 0.2\% \\
\hline ME3 \& 385613 \& 2004 \& Wet \& May \& - \& 3,410.8 \& 3,396.2 \& 14.6 \& 0.4\% \& 3,394.0 \& 16.8 \& 0.5\% \& 3,389.8 \& 20.9 \& 0.6\% \& 3,385.6 \& 25.1 \& 0.7\% \& 3,381.5 \& 29.3 \& 0.9\% \& 3,377.2 \& 33.6 \& 1.0\% \\
\hline ME3 \& 385613 \& 2004 \& Wet \& June \& - \& 689.7 \& 671.4 \& 18.3 \& 2.6\% \& 668.8 \& 20.8 \& 3.0\% \& 663.6 \& 26.0 \& 3.8\% \& 658.5 \& 31.2 \& 4.5\% \& 653.3 \& 36.4 \& 5.3\% \& 648.1 \& 41.6 \& 6.0\% \\
\hline ME3 \& 385613 \& 2004 \& Wet \& July \& - \& 353.2 \& 334.1 \& 19.2 \& 5.4\% \& 331.3 \& 21.9 \& 6.2\% \& 325.9 \& 27.4 \& 7.7\% \& 320.4 \& 32.8 \& 9.3\% \& 314.9 \& 38.3 \& 10.8\% \& 309.5 \& 43.7 \& 12.4\% \\
\hline ME3 \& 385613 \& 2004 \& Wet \& August \& -- \& 222.5 \& 204.7 \& 17.8 \& 8.0\% \& 202.2 \& 20.4 \& 9.2\% \& 197.1 \& 25.5 \& 11.4\% \& 192.0 \& 30.5 \& 13.7\% \& 186.9 \& 35.6 \& 16.0\% \& 181.8 \& 40.7 \& 18.3\% \\
\hline ME3 \& 385613 \& 2004 \& Wet \& September \& Used in Summary Table Analysis \& 159.9 \& 143.1 \& 16.8 \& 10.5\% \& 140.7 \& 19.2 \& 12.0\% \& 135.9 \& 23.9 \& 15.0\% \& 131.2 \& 28.7 \& 18.0\% \& 126.4 \& 33.5 \& 21.0\% \& 121.5 \& 38.4 \& 24.0\% \\
\hline ME3 \& 385613 \& 2005 \& Above Normal \& October \& Used in Summary Table Analysis \& 7,646.1 \& 7,633.1 \& 13.0 \& 0.2\% \& 7,631.3 \& 14.8 \& 0.2\% \& 7,627.4 \& 18.6 \& 0.2\% \& 7,623.7 \& 22.3 \& 0.3\% \& 7,620.0 \& 26.0 \& 0.3\% \& 7,616.3 \& 29.7 \& 0.4\% \\
\hline ME3 \& 385613 \& 2005 \& Above Normal \& November \& Used in Summary Table Analysis \& 2,251.7 \& 2,241.7 \& 10.1 \& 0.4\% \& 2,240.3 \& 11.5 \& 0.5\% \& 2,237.3 \& 14.5 \& 0.6\% \& 2,234.4 \& 17.4 \& 0.8\% \& 2,231.5 \& 20.3 \& 0.9\% \& 2,228.6 \& 23.1 \& 1.0\% \\
\hline ME3 \& 385613 \& 2005 \& Above Normal \& December - \& -- \& 20,923.6 \& 20,914.4 \& 9.3 \& 0.0\% \& 20,913.2 \& 10.4 \& 0.0\% \& 20,910.9 \& 12.7 \& 0.1\% \& 20,907.4 \& 16.2 \& 0.1\% \& 20,905.1 \& 18.5 \& 0.1\% \& 20,902.8 \& 20.8 \& 0.1\% \\
\hline ME3 \& 385613 \& 2005 \& Above Normal \& January \& -- \& 22,303.2 \& 22,295.1 \& 8.1 \& 0.0\% \& 22,294.0 \& 9.3 \& 0.0\% \& 22,291.7 \& 11.6 \& 0.1\% \& 22,289.4 \& 13.9 \& 0.1\% \& 22,287.0 \& 16.2 \& 0.1\% \& 22,284,7 \& 18.5 \& 0.1\% \\
\hline ме3 \& 385613 \& 2005 \& Above Normal \& February \& - \& 13,996.5 \& 13,989.6 \& 6.9 \& 0.0\% \& 13,988.4 \& 8.1 \& 0.1\% \& 13,986.1 \& 10.4 \& 0.1\% \& 13,983,8 \& 12.7 \& 0.1\% \& 13,982.6 \& 13.9 \& 0.1\% \& 13,980.3 \& 16.2 \& 0.1\% \\
\hline ME3 \& 385613 \& 2005 \& Above Normal \& March \& -- \& 28,50.8 \& 28,498.8 \& 6.9 \& 0.0\% \& 28,497.7 \& 8.1 \& 0.0\% \& 28,495.4 \& 10.4 \& 0.0\% \& 28,493.1 \& 12.7 \& 0.0\% \& 28,490.7 \& 15.0 \& 0.1\% \& 28,489.6 \& 16.2 \& 0.1\% \\
\hline мез \& 385613 \& 2005 \& Above Normal \& April \& - \& 21,403.9 \& 21,397.0 \& 6.9 \& 0.0\% \& 21,397.0 \& 6.9 \& 0.0\% \& 21,394.7 \& 9.3 \& 0.0\% \& 21,392.4 \& 11.6 \& 0.1\% \& 21,391.2 \& 12.7 \& 0.1\% \& 21,388.9 \& 15.0 \& 0.1\% \\
\hline ME3 \& 385613 \& 2005 \& Above Normal \& May \& \(=\) \& 19,520.8 \& 19,505.8 \& 15.0 \& 0.1\% \& 19,503.5 \& 17.4 \& 0.1\% \& 19,500.0 \& 20.8 \& 0.1\% \& 19,495.4 \& 25.5 \& 0.1\% \& 19,490.7 \& 30.1 \& 0.2\% \& 19,486.1 \& 34.7 \& 0.2\% \\
\hline me3 \& 385613 \& 2005 \& Above Normal \& June \& - \& 15,813.7 \& 15,791.7 \& 22.0 \& 0.1\% \& 15,788.2 \& 25.5 \& 0.2\% \& 15,782.4 \& 31.3 \& 0.2\% \& 15,775.5 \& 38.2 \& 0.2\% \& 15,769.7 \& 44.0 \& 0.3\% \& 15,762.7 \& 50.9 \& 0.3\% \\
\hline ме3 \& 385613 \& 2005 \& Above Normal \& July \& - \& 2,862.7 \& 2,842.7 \& 20.0 \& 0.7\% \& 2,839.9 \& 22.8 \& 0.8\% \& 2,834.3 \& 28.5 \& 1.0\% \& 2,828.6 \& 34.1 \& 1.2\% \& 2,822.9 \& 39.8 \& 1.4\% \& 2,817.2 \& 45.5 \& 1.6\% \\
\hline ME3 \& 385613 \& 2005 \& Above Normal \& August \& -- \& 979.1 \& 961.3 \& 17.8 \& 1.8\% \& 958.8 \& 20.3 \& 2.1\% \& 953.7 \& 25.4 \& 2.6\% \& 948.6 \& 30.5 \& 3.1\% \& 943.6 \& 35.5 \& 3.6\% \& 938.5 \& 40.6 \& 4.1\% \\
\hline ME3 \({ }^{\text {a }}\) \& 385613 \& 2005 \& Above Normal \& September \& Used in Summary Table Analysis \& 520.9 \& 505.4 \& 15.5 \& 3.0\% \& 503.2 \& 17.7 \& 3.4\% \& 498.8 \& 22.1 \& 4.3\% \& 494.4 \& 26.6 \& 5.1\% \& 490.0 \& 31.0 \& 5.9\% \& 485.6 \& 35.4 \& 6.8\% \\
\hline ME3 \& 385613 \& 2006 \& Wet \& October \& Used in Summary Table Analysis \& 6303 \& 618.0 \& 12.3 \& 2.0\% \& 616.3 \& 14.1 \& 2.2\% \& 612.7 \& 17.6 \& 2.8\% \& 609.2 \& 21.2 \& 3.4\% \& 605.7 \& 24.7 \& 3.9\% \& 602.1 \& 28.2 \& 4.5\% \\
\hline ME3 \& 385613 \& 2006 \& Wet \& November \& Used in Summary Table Analysis \& 9,258.4 \& 9,248.8 \& 9.6 \& 0.1\% \& 9,247.5 \& 11.0 \& 0.1\% \& 9,244.7 \& 13.8 \& 0.1\% \& 9,241.9 \& 16.6 \& 0.2\% \& 9,239.0 \& 19.4 \& 0.2\% \& 9,236.2 \& 22.2 \& 0.2\% \\
\hline ме3 \& 385613 \& 2006 \& Wet \& December - \& \& 43,342.6 \& 43,34.5 \& 8.1 \& 0.0\% \& 43,333.3 \& 9.3 \& 0.0\% \& 43,329.9 \& 12.7 \& 0.0\% \& 43,327.5 \& 15.0 \& 0.0\% \& 43,325.2 \& 17.4 \& 0.0\% \& 43,322.9 \& 19.7 \& 0.0\% \\
\hline ME3 \& 385613 \& 2006 \& wet \& January \& -- \& 46,156.3 \& 46,188.1 \& 8.1 \& 0.0\% \& 46,147.0 \& 9.3 \& 0.0\% \& 46,144.7 \& 11.6 \& 0.0\% \& 46,142.4 \& 13.9 \& 0.0\% \& 46,140.0 \& 16.2 \& 0.0\% \& 46,13.7 \& 18.5 \& 0.0\% \\
\hline ME3 \& 385613 \& 2006 \& Wet \& February - \& \& 26,557.9 \& 26,550.9 \& 6.9 \& 0.0\% \& 26,549.8 \& 8.1 \& 0.0\% \& 26,547.5 \& 10.4 \& 0.0\% \& 26,545.1 \& 12.7 \& 0.0\% \& 26,542.8 \& 15.0 \& 0.1\% \& 26,541.7 \& 16.2 \& 0.1\% \\
\hline ME3 \& 385613 \& 2006 \& Wet \& March \& - \& 47,046.3 \& 47,040.5 \& 5.8 \& 0.0\% \& 47,039.4 \& 6.9 \& 0.0\% \& 47,037.0 \& 9.3 \& 0.0\% \& 47,034.7 \& 11.6 \& 0.0\% \& 47,033.6 \& 12.7 \& 0.0\% \& 47,031.3 \& 15.0 \& 0.0\% \\
\hline ME3 \& 385613 \& 2006 \& Wet \& April \& - \& 30,383.1 \& 30,377.3 \& 5.8 \& 0.0\% \& 30,376.2 \& 6.9 \& 0.0\% \& 30,373.8 \& 9.3 \& 0.0\% \& 30,372.7 \& 10.4 \& 0.0\% \& 30,370.4 \& 12.7 \& 0.0\% \& 30,369.2 \& 13.9 \& 0.0\% \\
\hline ме3 \& 385613 \& 2006 \& Wet \& May \& - \& 14,180.6 \& 14,172.5 \& 8.1 \& 0.1\% \& 14,171.3 \& 9.3 \& 0.1\% \& \({ }^{14,1677.8}\) \& 12.7 \& 0.1\% \& 14,165.5 \& 15.0 \& 0.1\% \& 14,163.2 \& 17.4 \& 0.1\% \& 14,160.9 \& 19.7 \& 0.1\% \\
\hline me 3 \& 385613 \& 2006 \& Wet \& June \& - \& 3,543.9 \& 3,525.6 \& 18.3 \& 0.5\% \& 3,522.9 \& 20.9 \& \({ }^{\text {0.6\% }}\) \& 3,517.7 \& 26.2 \& 0.7\% \& 3,512.5 \& 31.4 \& \({ }_{\text {0.9\% }}\) \& 3,507.4 \& 36.5
378 \& 1.0\% \& 3,502.2 \& 41.7
43. \& 1.2\% \\
\hline ME \({ }^{3}\) \& 385613 \& 2006 \& Wet \& July \& - \& 1,274.5 \& 1,255.6 \& 19.0 \& \({ }^{1.5 \%}\) \& 1,252.9 \& \({ }^{21.6}\) \& 1.7\% \& 1,247.5 \& 27.1 \& \({ }^{2.1 \%}\) \& 1,242.0 \& 32.5 \& 2.6\% \& 1,236.7 \& \({ }^{37.8}\) \& \({ }^{3.0 \%}\) \& 1,231.3 \& \({ }^{43.3}\) \& 3.4\% \\
\hline ME3 \({ }_{\text {M }}\) \& 385613
385613 \& 2006
2006 \& Wet
wet \& August
September \& Used in Summary Table Analysis \& 660.9
422.4 \& 642.7
4067 \& 18.2
15.7 \& \begin{tabular}{l}
\(2.8 \%\) \\
\(3.7 \%\) \\
\hline 8.
\end{tabular} \& 640.1
4045 \& 20.8
179 \& \(3.1 \%\)
\(4.2 \%\) \& 635.0
400.0 \& 26.0
22.4 \& \(3.9 \%\)
\(5.3 \%\) \& 629.8
395.6 \& 31.1
268 \& 4.7\% \& 624.6
3911 \& 36.3
31.3 \& \(5.5 \%\)
\(7.4 \%\) \& 619.5
3866 \& 41.4
357 \&  \\
\hline ME 3
ME \& 385613
385613 \& 2006
2007 \& Wet
Above Normal \& September
October \& Used in Summary Table Analysis
Used in Summary Table Analysis \& 422.4
27.3 \& 406.7
2588 \& 15.7
12.5 \& \(3.7 \%\)
\(4.6 \%\) \& 404.5
257.0 \& 17.9
14.3 \& 4.2\%
\(5.3 \%\) \& 400.0
253.4 \& \[
\begin{aligned}
\& 22.4 \\
\& 17.9
\end{aligned}
\] \& 5.3\% \& 395.6
249.8 \& 26.8
21.5 \& \(6.3 \%\)
\(7.9 \%\) \& \[
\begin{aligned}
\& 391.1 \\
\& 246.3
\end{aligned}
\] \& 31.3
25.1 \& \(7.4 \%\)
\(9.2 \%\) \& \[
\begin{aligned}
\& 386.6 \\
\& \hline
\end{aligned}
\] \& 35.7
28.7 \& 8.5\%
\(10.6 \%\) \\
\hline ME3 \& 385613 \& 2007 \& Above Normal \& November \& Used in Summary Table Analysis \& 8,624.8 \& 8,614.8 \& 10.0 \& 0.1\% \& 8,613.3 \& 11.5 \& 0.1\% \& 8,610.5 \& 14.2 \& 0.2\% \& 8,607.6 \& 17.1 \& 0.2\% \& 8,604.6 \& 20.1 \& 0.2\% \& 8,601.7 \& 23.0 \& 0.3\% \\
\hline ME3 \& 385613 \& 2007 \& Above Normal \& December - \& \& 20,325.2 \& 20,317.1 \& 8.1 \& 0.0\% \& 20,314.8 \& 10.4 \& 0.1\% \& 20,312.5 \& 12.7 \& 0.1\% \& 20,310.2 \& 15.0 \& 0.1\% \& 20,307.9 \& 17.4 \& 0.1\% \& 20,304.4 \& 20.8 \& 0.1\% \\
\hline ME3 \& 385613 \& 2007 \& Above Normal \& January - \& - \& 10,228.6 \& 10,220.7 \& 7.9 \& 0.1\% \& 10,299.6 \& 9.0 \& 0.1\% \& 10,217.4 \& 11.2 \& 0.1\% \& 10,215.0 \& 13.5 \& 0.1\% \& 10,212.7 \& 15.9 \& 0.2\% \& 10,210.4 \& 18.2 \& 0.2\% \\
\hline ME3 \& 385613 \& 2007 \& Above Normal \& February \& - \& 30,476.9 \& 30,468.8 \& 8.1 \& 0.0\% \& 30,467.6 \& 9.3 \& 0.0\% \& \({ }^{30,465.3}\) \& 11.6 \& 0.0\% \& 30,463.0 \& 13.9 \& 0.0\% \& 30,460.6 \& 16.2 \& 0.1\% \& 30,458.3 \& 18.5 \& 0.1\% \\
\hline ME3 \& 385613 \& 2007 \& Above Normal \& March \& - \& 13,084.5 \& 13,077.5 \& 6.9 \& 0.1\% \& 13,076.4 \& 8.1 \& 0.1\% \& 13,074.1 \& 10.4 \& 0.1\% \& 13,072.9 \& 11.6 \& 0.1\% \& 13,070.6 \& 13.9 \& 0.1\% \& 13,068.3 \& 16.2 \& 0.1\% \\
\hline ME \({ }^{3}\) \& 385613 \& 2007 \& Above Normal \& April \& - \& \(11,519.0\) \& 11,504.6 \& 14.4 \& \({ }^{0.1 \%}\) \& 11,502.5 \& 16.4 \& 0.1\% \& 11,498.4 \& 20.6 \& \({ }^{0.2 \%}\) \& 11,494.3 \& 24.7 \& \({ }^{0.2 \%}\) \& 11,490.2 \& 28.8
340 \& 0.3\% \& \(11,486.1\)
4
4,034 \& 32.9 \& 0.3\% \\
\hline ME 3
ME3 \& 385613 \& 2007 \& Above Normal \& May \& - \& 4,132.4 \& 4,115.4 \& 17.0 \& 0.4\% \& 4,113.1 \& 19.3 \& 0.5\% \& 4,108.1 \& 24.3 \& 0.6\% \& 4,103.2 \& 29.2 \& 0.7\% \& 4,098.4 \& 34.0 \& 0.8\% \& 4,093.4 \& 39.0 \& 0.9\% \\
\hline ME3 \({ }_{\text {M }}\) \& 385613
385613 \& 2007 \& Above Normal \& June \& -- \& \(1,493.4\)
493.9 \& \(1,473.0\)
4737 \& 20.4
20.4 \& 1.4\% \({ }_{\text {4.1\% }}\) \& \(1,470.1\)
470.9 \& 23.3
23.0 \& 1.6\% \& \(1,464.4\)
465.2 \& 29.1
287 \& 5.9\% \& \(1,458.7\)
459.5 \& \begin{tabular}{l}
34.7 \\
34.4 \\
\hline
\end{tabular} \& \begin{tabular}{l}
\(2.3 \%\) \\
\(7.0 \%\) \\
\hline 13
\end{tabular} \& \(1,452.9\)
4538 \& 40.5
40.1 \& 2.7\% \& \(1,447.1\)
448.1 \& 46.3
45.8 \& 3.1\% \\
\hline \begin{tabular}{c} 
ME 3 \\
ME \\
\hline
\end{tabular} \& 385613
385613 \& 2007
2007 \& Above Normal
Above Normal \& July
August \& -- \& 493.9
220.3 \& 473.7
202.4 \& 20.2
17.9 \& \({ }_{\text {8.1\% }}^{4.1 \%}\) \& 470.9
199.9 \& 23.0
20.4 \& 4.7\%
\(9.3 \%\) \& \begin{tabular}{l}
465.2 \\
194.8 \\
\hline 1
\end{tabular} \& 28.7
28.5 \& 5.8\%
\(11.6 \%\) \& 459.5
189.7 \& 34.4
30.6 \& 7.0\%
\(13.9 \%\) \& 453.8
184.7 \& 40.1
35.6 \& 8.1\%
\(16.2 \%\) \& 448.1
179.6 \& 45.8
40.7 \& 9.3\%
\(18.5 \%\) \\
\hline ME3 \& 385613 \& 2007 \& Above Normal \& September \& Used in Summary Table Analysis \& 148.1 \& 131.3 \& 16.7 \& 11.3\% \& 129.0 \& 19.1 \& 12.9\% \& 124.2 \& 23.9 \& 16.1\% \& 119.5 \& 28.6 \& 19.3\% \& 114.7 \& 33.4 \& 22.5\% \& 109.9 \& 38.1 \& 25.7\% \\
\hline ме3 \& 385613 \& 2008 \& Dry \& October \& Used in Summary Table Analysis \& 3,488.6 \& 3,405.4 \& 13.2 \& 0.4\% \& 3,403.6 \& 15.0 \& 0.4\% \& 3,399.8 \& 18.9 \& 0.6\% \& 3,395.9 \& 22.7 \& 0.7\% \& 3,392.0 \& 26.6 \& 0.8\% \& 3,388.2 \& 30.4 \& 0.9\% \\
\hline ME3 \& 385613 \& 2008 \& Dry \& November \& Used in Summary Table Analysis \& 3,260.5 \& 3,250.3 \& 10.2 \& 0.3\% \& 3,249.0 \& 11.6 \& 0.4\% \& 3,245.9 \& 14.6 \& 0.4\% \& 3,243.1 \& 17.5 \& 0.5\% \& 3,240.2 \& 20.4 \& 0.6\% \& 3,237.2 \& 23.4 \& 0.7\% \\
\hline ME3 \& 385613 \& 2008 \& Dry \& December - \& \& 23,016.2 \& \({ }^{23,006.9}\) \& 9.3 \& 0.0\% \& 23,005.8 \& 10.4 \& 0.0\% \& 23,003.5 \& 12.7 \& 0.1\% \& 23,001.2 \& 15.0 \& 0.1\% \& 22,997.7
37 \& 18.5 \& 0.1\% \& 22,995.4 \& 20.8 \& 0.1\% \\
\hline ME3 \({ }^{\text {a }}\) \& 385613 \& 2008 \& Dry \& January \& - \& 37,425.9 \& 37,417.8 \& 8.1 \& 0.0\% \& 37,415.5 \& 10.4 \& 0.0\% \& 37,413.2 \& 12.7 \& 0.0\% \& 37,410.9 \& 15.0 \& 0.0\% \& 37,408.6 \& 17.4 \& 0.0\% \& 37,406.3 \& 19.7 \& 0.1\% \\
\hline ME3 \& 385613
385613 \& 2008 \& Dry \& February \& \& \begin{tabular}{l}
\(26,245.4\) \\
\hline 11782.4
\end{tabular} \& \(26,237.3\)

117755 \& 8.1 \& 0.0\% \& $26,236.1$
11774.3 \& 9.3
81 \& 0.0\% \& 26,235.0 \& 10.4 \& 0.0\% \& 26,232.6 \& 12.7 \& 0.0\% \& $26,230.3$
117685 \& 15.0 \& ${ }^{0.1 \%}$ \& 26,228.0 \& 17.4 \& 0.1\% <br>

\hline | ME |
| :---: |
| ME3 | \& 385613 \& 2008 \& Dry \& March \& \& 11,782.4 \& 11,775.5 \& 6.9 \& 0.1\% \& 11,774.3 \& 8.1 \& 0.1\% \& 11,772.0 \& 10.4 \& 0.1\% \& 11,770.8 \& 11.6 \& 0.1\% \& 11,768.5 \& 13.9 \& 0.1\% \& 11,766.2 \& 16.2 \& 0.1\% <br>

\hline ME3 \& $\begin{array}{r}385613 \\ \hline 8513\end{array}$ \& 2008 \& Dry \& April \& - \& 9,007.1 \& 8,992.5 \& 14.6 \& ${ }^{0.2 \%}$ \& 8,990.4 \& 16.7 \& 0.2\% \& 8,986.2 \& 20.8 \& ${ }^{0.2 \%}$ \& 8,982, 1 \& 25.0 \& 0.3\% \& 8,977.9 \& 29.2 \& 0.3\% \& $8,973.7$
1 \& 33.3
351 \& $0.4 \%$
$2.6 \%$
1.8 <br>

\hline | ME3 |
| :--- |
| ME | \& 385613

385613 \& 2008
2008 \& Dry
Dry \& May \& $\cdots$ \& $1,360.2$
435.5 \& $1,344.7$
413.3 \& 15.5
22.2 \& 1.1\% \& $1,342.5$
410.2 \& 17.7
25.3 \& $1.3 \%$
$5.8 \%$ \& $1,338.0$
403.9 \& 22.2
31.6 \& $1.6 \%$
$7.2 \%$ \& $1,333.7$
397.7 \& 26.5
37.8 \& 1.9\% \& $1,3,39.4$
391.4 \& 30.8
44.1 \& 2.3\%
10.1\% \& $1,335.1$
385.2 \& 35.1
50.2 \& ${ }^{2.6 \%}$ <br>
\hline ME3 \& 385613 \& 2008 \& Dry \& July \& - \& 253.9 \& 232.6 \& 21.3 \& 8.4\% \& 229.6 \& 24.4 \& 9.6\% \& 223.5 \& 30.5 \& 12.0\% \& 217.4 \& 36.5 \& 14.4\% \& 211.4 \& 42.6 \& 16.8\% \& 205.3 \& 48.6 \& 19.1\% <br>
\hline ме3 \& 385613 \& 2008 \& Dry \& August \& -- \& 177.3 \& 156.8 \& 20.5 \& 11.5\% \& 153.9 \& 23.4 \& 13.2\% \& 148.1 \& 29.2 \& 16.5\% \& 142.3 \& 35.0 \& 19.8\% \& 136.4 \& 40.8 \& 23.0\% \& 130.6 \& 46.6 \& 26.3\% <br>
\hline ME3 \& 385613 \& 2008 \& Dry \& September \& Used in Summary Table Analysis \& 139.0 \& 119.6 \& 19.4 \& 14.0\% \& 116.8 \& 22.2 \& 16.0\% \& 111.3 \& 27.8 \& 20.0\% \& 105.7 \& ${ }^{33.3}$ \& 24.0\% \& 100.2 \& 38.9 \& 28.0\% \& 94.6 \& ${ }^{44.4}$ \& 31.9\% <br>
\hline ME3 \& 385613 \& 2009 \& Critical \& October \& Used in Summary Table Analysis \& 921.1 \& 906.1 \& 15.0 \& 1.6\% \& 903.9 \& 17.1 \& 1.9\% \& 899.6 \& ${ }_{2}^{21.5}$ \& ${ }^{2.3 \%}$ \& ${ }^{8955} 5$ \& 25.8 \& 2.8\% \& 891.2 \& 29.9
230 \& 3.2\% \& 886.9
54586 \& 34.2
26.4 \& $3.7 \%$
$0.5 \%$
0.9 <br>
\hline ME3 \& 385613 \& 2009 \& Critical \& November \& Used in Summary Table Analysis \& 5,485.0 \& 5,473.4 \& 11.6 \& 0.2\% \& 5,471.8 \& 13.2 \& 0.2\% \& 5,468.5 \& 16.4 \& 0.3\% \& 5,465.2 \& 19.8 \& 0.4\% \& 5,461.9 \& 23.0 \& 0.4\% \& 5,458.6 \& 26.4 \& 0.5\% <br>
\hline ME3 ${ }^{\text {a }}$ \& 385613 \& 2009 \& Critical \& December - \& \& 12,110.0 \& 12,099.5 \& 10.4 \& 0.1\% \& 12,098.4 \& 11.6 \& 0.1\% \& 12,094.9 \& 15.0 \& 0.1\% \& 12,092.6 \& 17.4 \& 0.1\% \& 12,089.1 \& 20.8 \& 0.2\% \& 12,086.8 \& 23.1 \& 0.2\% <br>
\hline ME3 \& 385613 \& 2009 \& Critical \& January \& \& 8,780.6 \& 8,771.4 \& 9.1 \& 0.1\% \& 8,770.0 \& 10.5 \& 0.1\% \& 8,767.4 \& 13.2 \& 0.2\% \& 8,764.8 \& 15.7 \& 0.2\% \& 8,762.2 \& 18.4 \& 0.2\% \& 8,759.5 \& 21.1 \& 0.2\% <br>
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\end{tabular}

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
EER River Valley Groundwater sustainability Plan
Humboldt County Groundate Susan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

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nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  |  |  |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increa |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) | Water Year | Water Year Type | Month | Note | $\begin{aligned} & \text { Without } \\ & \text { Pumping } \end{aligned}$ (cfs) | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference |
| ME3 | 385613 | 2020 | Dry | October | Used in Summary Table Analysis | 353.7 | 341.4 | 12.2 | 3.5\% | 339.6 | 14.0 | 4.0\% | 336.1 | 17.5 | 5.0\% | 332.6 | 21.1 | 6.0\% | 329.1 | 24.6 | 7.0\% | 325.5 | 28.1 | 8.0\% |
| ME3 | 385613 | 2020 | Dry | November | Used in Summary Table Analysis | 315.0 | 305.5 | 9.5 | 3.0\% | 304.1 | 10.8 | 3.4\% | 301.4 | 13.6 | 4.3\% | 298.7 | 16.3 | 5.2\% | 295.9 | 19.1 | 6.1\% | 293.1 | 21.8 | 6.9\% |
| ME3 | 385613 | 2020 | Dry | December - |  | 13,203.7 | 13,195.6 | 8.1 | 0.1\% | 13,194.4 | 9.3 | 0.1\% | 13,191.0 | 12.7 | 0.1\% | 13,188.7 | 15.0 | 0.1\% | 13,186.3 | 17.4 | 0.1\% | 13,184.0 | 19.7 | 0.1\% |
| ме3 | 385613 | 2020 | Dry | January | -- | 22,266.2 | 22,258.1 | 8.1 | 0.0\% | 22,256.9 | 9.3 | 0.0\% | 22,254.6 | 11.6 | 0.1\% | 22,252.3 | 13.9 | 0.1\% | 22,250.0 | 16.2 | 0.1\% | 22,247.7 | 18.5 | 0.1\% |
| ME3 | 385613 | 2020 | Dry | February | -- | 7,411.7 | 7,404.5 | 7.2 | 0.1\% | 7,403.5 | 8.2 | 0.1\% | 7,401.4 | 10.3 | 0.1\% | 7,399.3 | 12.4 | 0.2\% | 7,397.2 | 14.5 | 0.2\% | 7,395.1 | 16.6 | 0.2\% |
| ME3 | 385613 | 2020 | Dry | March | -- | 7,232.2 | 7,225.5 | 6.7 | 0.1\% | 7,224.4 | 7.8 | 0.1\% | 7,222.5 | 9.7 | 0.1\% | 7,220.5 | 11.7 | 0.2\% | 7,218.4 | 13.8 | 0.2\% | 7,216.4 | 15.7 | 0.2\% |
| ME3 | 385613 | 2020 | Dry | April | - | 5,469.8 | 5,454.9 | 14.9 | 0.3\% | 5,452.8 | 17.0 | 0.3\% | 5,448.5 | 21.3 | 0.4\% | 5,444.2 | 25.6 | 0.5\% | 5,439.9 | 29.9 | 0.5\% | 5,435.6 | 34.1 | 0.6\% |
| мез | 385613 | 2020 | Dry | May | - | 7,360.1 | 7,342.4 | 17.7 | 0.2\% | 7,339.8 | 20.3 | 0.3\% | 7,334.7 | 25.3 | 0.3\% | 7,329.5 | 30.6 | 0.4\% | 7,324.4 | 35.6 | 0.5\% | 7,319.3 | 40.7 | 0.6\% |
| ME3 | 385613 | 2020 | Dry | June | - | 2,103.9 | 2,080.7 | 23.3 | 1.1\% | 2,077.4 | 26.5 | 1.3\% | 2,071.2 | 32.8 | 1.6\% | 2,064.9 | 39.0 | 1.9\% | 2,058.6 | 45.4 | 2.2\% | 2,052.3 | 51.6 | 2.5\% |
| ME3 | 385613 | 2020 | Dry | July | - | 794.2 | 771.8 | 22.3 | 2.8\% | 768.6 | 25.5 | 3.2\% | 762.3 | 31.9 | 4.0\% | 755.9 | 38.3 | 4.8\% | 749.5 | 44.6 | 5.6\% | 743.2 | 51.0 | 6.4\% |
| me3 | 385613 | 2020 | Dry | August | -- | 396.8 | 375.0 | 21.8 | 5.5\% | 371.9 | 24.9 | 6.3\% | 365.7 | 31.1 | 7.8\% | 359.5 | 37.3 | 9.4\% | 353.3 | 43.5 | 11.0\% | 347.1 | 49.7 | 12.5\% |
| мез | 385613 | 2020 | Dry | September | Used in Summary Table Analysis | 246.4 | 227.2 | 19.2 | 7.8\% | 224.5 | 21.9 | 8.9\% | 218.2 | 28.2 | 11.4\% | 212.4 | 34.0 | 13.8\% | 206.4 | 39.9 | 16.2\% | 200.5 | 45.8 | 18.6\% |
| ME 4 | 375515 | 2000 | Above Normal | October | Used in Summary Table Analysis | 814.1 | 801.0 | 13.1 | 1.6\% | 799.1 | 15.0 | 1.8\% | 795.4 | 18.7 | 2.3\% | 791.6 | 22.5 | 2.8\% | 787.8 | 26.3 | 3.2\% | 784.1 | 30.0 | 3.7\% |
| me4 | 375515 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,079.9 | 12,069.4 | 10.4 | 0.1\% | 12,067.1 | 12.7 | 0.1\% | 12,064.8 | 15.0 | 0.1\% | 12,061.3 | 18.5 | 0.2\% | 12,059.0 | 20.8 | 0.2\% | 12,055.6 | 24.3 | 0.2\% |
| me 4 | 375515 | 2000 | Above Normal | December - |  | 10,790.3 | 10,781.4 | 8.9 | 0.1\% | 10,780.1 | 10.2 | 0.1\% | 10,777.5 | 12.7 | 0.1\% | 10,775.0 | 15.3 | 0.1\% | 10,772.3 | 17.9 | 0.2\% | 10,769.7 | 20.6 | 0.2\% |
| ME4 | 375515 | 2000 | Above Normal | January | -- | 28,510.4 | 28,502.3 | 8.1 | 0.0\% | 28,501.2 | 9.3 | 0.0\% | 28,498.8 | 11.6 | 0.0\% | 28,496.5 | 13.9 | 0.0\% | 28,494.2 | 16.2 | 0.1\% | 28,491.9 | 18.5 | 0.1\% |
| ME 4 | 375515 | 2000 | Above Normal | February | -- | 36,998.8 | 36,991.9 | 6.9 | 0.0\% | 36,990.7 | 8.1 | 0.0\% | 36,988.4 | 10.4 | 0.0\% | 36,986.1 | 12.7 | 0.0\% | 36,983.8 | 15.0 | 0.0\% | 36,981.5 | 17.4 | 0.0\% |
| ME 4 | 375515 | 2000 | Above Normal | March | - | 18,303.2 | 18,296.3 | 6.9 | 0.0\% | 18,295.1 | 8.1 | 0.0\% | 18,292.8 | 10.4 | 0.1\% | 18,291.7 | 11.6 | 0.1\% | 18,289.4 | 13.9 | 0.1\% | 18,287.0 | 16.2 | 0.1\% |
| me4 | 375515 | 2000 | Above Normal | April | - | 12,304,4 | 12,297.5 | 6.9 | 0.1\% | 12,296.3 | 8.1 | 0.1\% | 12,295.1 | 9.3 | 0.1\% | 12,292.8 | 11.6 | 0.1\% | 12,290.5 | 13.9 | 0.1\% | 12,289.4 | 15.0 | 0.1\% |
| me 4 | 375515 | 2000 | Above Normal | May | - | 7,086.5 | 7,071.8 | 14.7 | 0.2\% | 7,069.6 | 16.9 | 0.2\% | 7,065.3 | 21.2 | 0.3\% | 7,061.1 | 25.3 | 0.4\% | 7,056.8 | 29.6 | 0.4\% | 7,052.5 | 33.9 | 0.5\% |
| me 4 | 375515 | 2000 | Above Normal | June | - | 2,608.2 | 2,586.2 | 22.0 | 0.8\% | 2,583.1 | 25.1 | 1.0\% | 2,576.9 | 31.4 | 1.2\% | 2,570.6 | 37.6 | 1.4\% | 2,564.4 | 43.9 | 1.7\% | 2,558.1 | 50.1 | 1.9\% |
| me 4 | 375515 | 2000 | Above Normal | July | - | 990.3 | 970.8 | 19.6 | 2.0\% | 968.0 | 22.4 | 2.3\% | 962.4 | 27.9 | 2.8\% | 956.9 | 33.4 | 3.4\% | 951.4 | 39.0 | 3.9\% | 945.8 | 44.5 | 4.5\% |
| ME 4 | 375515 | 2000 | Above Normal | August |  | 520.3 | 502.1 | 18.2 | 3.5\% | 499.5 | 20.8 | 4.0\% | 494.3 | 26.0 | 5.0\% | 489.2 | 31.1 | 6.0\% | 484.0 | 36.3 | 7.0\% | 478.8 | 41.5 | 8.0\% |
| me4 | 375515 | 2000 | Above Normal | September | Used in Summary Table Analysis | 294.0 | 278.0 | 15.9 | 5.4\% | 275.8 | 18.2 | 6.2\% | 271.2 | 22.8 | 7.7\% | 266.7 | 27.3 | 9.3\% | 262.1 | 31.9 | 10.8\% | 257.6 | 36.4 | 12.4\% |
| me 4 | 375515 | 2001 | Dry | October | Used in Summary Table Analysis | 3,806.6 | 3,793.5 | 13.1 | 0.3\% | 3,791.7 | 14.9 | 0.4\% | 3,788.0 | 18.6 | 0.5\% | 3,784.3 | 22.3 | 0.6\% | 3,780.6 | 26.0 | 0.7\% | 3,776.9 | 29.7 | 0.8\% |
| me 4 | 375515 | 2001 | Dry | November | Used in Summary Table Analysis | 6,110.1 | 6,099.7 | 10.4 | 0.2\% | 6,098.1 | 11.9 | 0.2\% | 6,095.1 | 14.9 | 0.2\% | 6,092.2 | 17.8 | 0.3\% | 6,089.2 | 20.8 | 0.3\% | 6,086.1 | 24.0 | 0.4\% |
| me4 | 375515 | 2001 | Dry | December | -- | 8,824.4 | 8,815.4 | 9.0 | 0.1\% | 8,814.0 | 10.4 | 0.1\% | 8,811.5 | 13.0 | 0.1\% | 8,808.8 | 15.6 | 0.2\% | 8,806.3 | 18.2 | 0.2\% | 8,803.6 | 20.8 | 0.2\% |
| ME4 | 375515 | 2001 | Dry | January | -- | 12,763.9 | 12,755.8 | 8.1 | 0.1\% | 12,754.6 | 9.3 | 0.1\% | 12,752.3 | 11.6 | 0.1\% | 12,748.8 | 15.0 | 0.1\% | 12,746.5 | 17.4 | 0.1\% | 12,744.2 | 19.7 | 0.2\% |
| me 4 | 375515 | 2001 | Dry | February | -- | 17,454.9 | 17,446.8 | 8.1 | 0.0\% | 17,445.6 | 9.3 | 0.1\% | 17,444.4 | 10.4 | 0.1\% | 17,442.1 | 12.7 | 0.1\% | 17,439.8 | 15.0 | 0.1\% | 17,437.5 | 17.4 | 0.1\% |
| ME4 4 | 375515 | 2001 | Dry | March | -- | 12,288.2 | 12,281.3 | 6.9 | 0.1\% | 12,280.1 | 8.1 | 0.1\% | 12,277.8 | 10.4 | 0.1\% | 12,276.6 | 11.6 | 0.1\% | 12,274.3 | 13.9 | 0.1\% | 12,272.0 | 16.2 | 0.1\% |
| ME 4 | 375515 | 2001 | Dry | April | - | 10,962.7 | 10,947.6 | 15.2 | 0.1\% | 10,945.4 | 17.4 | 0.2\% | 10,941.0 | 21.8 | 0.2\% | 10,936.6 | 26.2 | 0.2\% | 10,932.3 | 30.4 | 0.3\% | 10,927.9 | 34.8 | 0.3\% |
| me4 | 375515 | 2001 | Dry | May | - | 2,637.0 | 2,619,1 | 17.9 | 0.7\% | 2,616.6 | 20.5 | 0.8\% | 2,611.5 | 25.6 | 1.0\% | 2,606.3 | 30.8 | 1.2\% | 2,601.2 | 35.9 | 1.4\% | 2,596.1 | 41.0 | 1.6\% |
| ME 4 | 375515 | 2001 | Dry | June | - | 2,642.4 | 2,617.9 | 24.4 | 0.9\% | 2,614.6 | 27.8 | 1.1\% | 2,607.6 | 34.7 | 1.3\% | 2,600.8 | 41.6 | 1.6\% | 2,593.9 | 48.5 | 1.8\% | 2,587.2 | 55.2 | 2.1\% |
| me 4 | 375515 | 2001 | Dry | July | - | 718.2 | 695.8 | 22.4 | 3.1\% | 692.6 | 25.6 | 3.6\% | 686.3 | 32.0 | 4.4\% | 679.9 | 38.3 | 5.3\% | 673.6 | 44.6 | 6.2\% | 667.2 | 51.0 | 7.1\% |
| ME 4 | 375515 | 2001 | Dry | August | 兂 | 171.6 | 150.0 | ${ }^{21.7}$ | 12.6\% | 146.9 | 24.8 | 14.4\% | 140.7 | 30.9 | 18.0\% | 134.5 | 37.1 | 21.6\% | 128.4 | 43.2 | 25.2\% | 122.2 509 | 49.4 | 28.8\% |
| ME4 4 | 375515 | 2001 | Dry | September | Used in Summary Table Analysis | 94.4 | 75.3 | 19.1 | 20.2\% | 72.6 | 21.8 | 23.1\% | 67.2 | 27.2 | 28.8\% | ${ }_{61.8}$ | 32.7 | 34.6\% | ${ }^{56.3}$ | 38.1 | 40.4\% | 50.9 | 43.5 | 46.1\% |
| ME 4 | 375515 <br> 37515 | 2002 | Below Normal | October | Used in Summary Table Analysis | ${ }^{264.0}$ | 248.2 11894. | 15.7 | ${ }^{6.0 \%}$ | 246.0 | 17.9 | ${ }^{6.8 \%}$ | ${ }^{241.5}$ | 22.5 17.4 | ${ }^{8.5 \%}$ | 237.0 119861 | 27.0 208 | 10.2\% | 232.5 119826 | 31.5 24.3 | 11.9\% | ${ }^{228.0}$ | 36.0 278 | 13.6\% |
| ME 4 | 375515 | 2002 | Below Normal | November | Used in Summary Table Analysis | 12,006.9 | 11,994.2 | 12.7 | 0.1\% | 11,993.1 | 13.9 | 0.1\% | 11,989.6 | 17.4 | 0.1\% | 11,986.1 | 20.8 | 0.2\% | 11,982.6 | 24.3 | 0.2\% | 11,979.2 | 27.8 | 0.2\% |
| me 4 | 375515 | 2002 | Below Normal | December - |  | 35,623.8 | 35,613.4 | 10.4 | 0.0\% | 35,611.1 | 12.7 | 0.0\% | 35,608.8 | 15.0 | 0.0\% | 35,605.3 | 18.5 | 0.1\% | 35,601.9 | 22.0 | 0.1\% | 35,598.4 | 25.5 | 0.1\% |
| ME4 | 375515 | 2002 | Below Normal | January | -- | 30,840.3 | 30,831.0 | 9.3 | 0.0\% | 30,828.7 | 11.6 | 0.0\% | 30,826.4 | 13.9 | 0.0\% | 30,824.1 | 16.2 | ${ }^{0.1 \%}$ | 30,820.6 | 19.7 | 0.1\% | $30,818.3$ <br> 24634 <br> 1721 | 22.0 208 | 0.1\% |
| ME4 4 | 375515 | 2002 | Below Normal | February |  | 24,655.1 | 24,645.8 | 9.3 | 0.0\% | 24,644.7 | 10.4 | 0.0\% | 24,642.4 | 12.7 | 0.1\% | 24,640.0 | 15.0 | 0.1\% | 24,637.7 | 17.4 | 0.1\% | 24,634.3 | 20.8 | ${ }^{0.1 \%}$ |
| ME4 4 | 375515 | 2002 | Below Normal | March | -- | 17,761.6 | 17,753.5 | 8.1 | 0.0\% | 17,752.3 | 9.3 17.4 | 0.1\% | 17,750.0 | 11.6 | ${ }^{0.1 \%}$ | $17,747.7$ 988224 | 13.9 | ${ }^{0.1 \%}$ | 17,745.4 | 16.2 <br> 30.3 | 0.1\% $0.3 \%$ | $17,741.9$ <br> 9883 <br> , 27.7 | 19.7 <br> 34.6 | 0.1\% $0.3 \%$ |
| ME 4 | $\begin{array}{r}375515 \\ \hline 75515 \\ \hline\end{array}$ | 2002 | Below Normal | April | - | 9,918.3 | 9,903.1 | 15.2 | 0.2\% | 9,900.9 | 17.4 | 0.2\% | 9,896.6 | ${ }_{21.6}$ | 0.2\% | 9,892.4 | ${ }^{25.9}$ | 0.3\% | 9,888.0 | 30.3 | ${ }^{0.3 \%}$ | 9,883.7 | 34.6 | 0.3\% |
| me4 | 375515 | 2002 | Below Normal | May | - | 3,317.1 | 3,299.2 | 17.9 | 0.5\% | 3,299.6 | 20.5 | 0.6\% | 3,291.4 | 25.7 | 0.8\% | 3,286.3 | 30.8 | 0.9\% | 3,281.3 | 35.9 | 1.1\% | 3,276.0 | 41.1 | 1.2\% |
| ME 4 | 375515 | 2002 | Below Normal | June | - | 853.0 | 832.8 | 20.1 | 2.4\% | 829.9 | 23.0 | ${ }^{2.7 \%}$ | 824.2 | 28.7 | 3.4\% | 818.5 | 34.4 | 4.0\% | 812.8 | 40.2 | $4.7 \%$ 11.16 | 807.1 3156 | 45.8 459 | 5.4\% |
| ME4 | 375515 | 2002 | Below Normal | July | - | 361.4 | 341.3 | 20.1 | 5.6\% | 338.5 | 23.0 | 6.4\% | 332.7 | 28.7 | 7.9\% | 327.0 | 34.4 | 9.5\% | 321.3 | 40.2 | 11.1\% | 315.6 | 45.9 | 12.7\% |
| ME4 | 375515 | 2002 | Below Normal | August | -- | 225.9 | 207.2 | 18.7 | 8.3\% | 204.5 | 21.4 | 9.5\% | 199.2 | 26.7 | 11.8\% | 193.8 | 32.1 | 14.2\% | 188.5 | 37.4 | 16.6\% | 183.2 | 42.7 | 18.9\% |
| me 4 | 375515 | 2002 | Below Normal | September | Used in Summary Table Analysis | 162.9 | 145.3 | 17.5 | 10.8\% | 142.8 | 20.0 | 12.3\% | 137.8 | 25.0 | 15.4\% | 132.8 | 30.0 | 18.4\% | 127.8 | 35.0 | 21.5\% | 122.8 | 40.0 | 24.6\% |
| me4 | 375515 | 2003 | Wet | October | Used in Summary Table Analysis | 127.9 | 113.8 | 14.1 | 11.0\% | 111.8 | 16.1 | 12.6\% | 107.8 | 20.2 | 15.8\% | 103.7 | 24.2 | 18.9\% | 99.6 | 28.3 | 22.1\% | 95.6 | 32.4 | 25.3\% |
| me 4 | 375515 | 2003 | Wet | November | Used in Summary Table Analysis | 894.8 | 883.7 | 11.1 | 1.2\% | 882.1 | 12.8 | 1.4\% | 878.8 | 16.0 | 1.8\% | 875.6 | 19.2 | 2.2\% | 872.4 | 22.4 | 2.5\% | 869.2 | 25.6 | 2.9\% |
| ME4 | 375515 | 2003 | Wet | December - |  | 56,679.4 | 56,699.0 | 10.4 | 0.0\% | 56,667.8 | 11.6 | 0.0\% | 56,664.4 | 15.0 | 0.0\% | 56,662.0 | 17.4 | 0.0\% | 56,658.6 | 20.8 | 0.0\% | 56,656.3 | 23.1 | 0.0\% |
| me 4 | 375515 | 2003 | Wet | January | -- | 31,502.3 | 31,493.1 | 9.3 | 0.0\% | 31,491.9 | 10.4 | 0.0\% | 31,489.6 | 12.7 | 0.0\% | 31,486.1 | 16.2 | 0.1\% | 31,483.8 | 18.5 | 0.1\% | 31,481.5 | 20.8 | 0.1\% |
| me 4 | 375515 | 2003 | Wet | February |  | 20,338.0 | 20,329.9 | 8.1 | 0.0\% | 20,328.7 | 9.3 | 0.0\% | 20,326.4 | 11.6 | 0.1\% | 20,324.1 | 13.9 | 0.1\% | 20,321.8 | 16.2 | 0.1\% | 20,319.4 | 18.5 | 0.1\% |
| me 4 | 375515 | 2003 | Wet | March | -- | 24,010.4 | 24,002.3 | 8.1 | 0.0\% | 24,001.2 | 9.3 | 0.0\% | 24,000.0 | 10.4 | 0.0\% | 23,997.7 | 12.7 | 0.1\% | 23,995.4 | 15.0 | 0.1\% | 23,993.1 | 17.4 | 0.1\% |
| ME4 | 375515 | 2003 | Wet | April | - | 42,855.3 | 42,847.2 | 8.1 | 0.0\% | 42,847.2 | 8.1 | 0.0\% | 42,844.9 | 10.4 | 0.0\% | 42,842.6 | ${ }_{26}^{12.7}$ | 0.0\% | $42,840.3$ 12485 | 15.0 | 0.0\% | $42,838.0$ 121817 | 17.4 | 0.0\% |
| ME 4 | 375515 | 2003 | Wet | May |  | 12,216,4 | 12,201.4 | 15.0 | 0.1\% | 12,199.1 | 17.4 | 0.1\% | 12,194.4 | 22.0 | 0.2\% | 12,189,8 | 26.6 | 0.2\% | 12,185.2 | 31.3 | 0.3\% | 12,181.7 | 34.7 | $0.3 \%$ <br> $1.4 \%$ <br> 1.4 |
| ME 4 | 375515 37515 | 2003 | Wet | June | - | 3,164.6 | 3,145.1 | 19.4 | 0.6\% | 3,142.4 | 22.2 | 0.7\% | 3,136.9 | 27.7 | 0.9\% | 3,131.5 | 33.1 | 1.0\% | 3,126.2 | 38.4 | 1.2\% | 3,120.7 | 43.9 | 1.4\% |
| ME 4 ME4 | 375515 375515 | 2003 2003 | Wet Wet | July August | -- | $1,472.2$ 758.4 | $1,452.2$ 739.2 | 20.0 19.2 | $1.4 \%$ $2.5 \%$ | $1,4499.3$ 736.4 | 22.9 22.0 | $1.6 \%$ $2.9 \%$ | 1,443.6 731.0 | 28.6 27.5 | 1.9\% $3.6 \%$ | $1,438.0$ 725.5 | 34.3 <br> 32.9 | $2.3 \%$ $4.3 \%$ | 1,432.3 720.0 | 39.9 38.4 | 2.7\% | 1,426.6 714.4 | 45.6 44.0 | 3.1\% $5.8 \%$ |
| me 4 | 375515 | 2003 | Wet | September | Used in Summary Table Analysis | 456.5 | 440.3 | 16.2 | 3.5\% | 438.0 | 18.5 | 4.1\% | 433.4 | 23.1 | 5.1\% | 428.8 | 27.7 | 6.1\% | 424.2 | 32.3 | 7.1\% | 419.6 | 36.9 | 8.1\% |
| ME 4 | 375515 | 2004 | Wet | October | Used in Summary Table Analysis | 323.6 | 310.4 | 13.2 | 4.1\% | 308.5 | 15.1 | 4.7\% | 304.7 | 18.8 | 5.8\% | 300.9 | 22.6 | 7.0\% | 297.2 | 26.4 | 8.2\% | 293.4 | 30.2 | 9.3\% |
| me 4 | 375515 | 2004 | Wet | November | Used in Summary Table Analysis | 5,788.8 | 5,778.2 | 10.5 | 0.2\% | 5,776.7 | 12.0 | 0.2\% | 5,773.7 | 15.0 | 0.3\% | 5,770.6 | 18.2 | 0.3\% | 5,767.6 | 21.2 | 0.4\% | 5,764.5 | 24.3 | 0.4\% |
| ME 4 | 375515 37515 | 2004 | Wet | December |  | 36,247.7 | 36,238.4 | 9.3 | 0.0\% | 36,236.1 | 11.6 | 0.0\% | 36,233.8 | 13.9 | 0.0\% | 36,231.5 | 16.2 | 0.0\% | 36,228.0 | 19.7 | 0.1\% | 36,225.7 | 22.0 | 0.1\% |
|  | 375515 | 2004 | Wet | January |  | 31,430.6 | 31,422.5 | 8.1 | 0.0\% | 31,421.3 | 9.3 | 0.0\% | 31,419.0 | 11.6 | 0.0\% | 31,415.5 | 15.0 | 0.0\% | 31,413.2 | 17.4 | 0.1\% | 31,410.9 | 19.7 | 0.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  | Model Cell (Row, Column, Surface Wat Reach) | Water Year Water Year Type |  | Month | Note | Flow Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Flow (cfs) |  |  | Flow Difference <br> (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (ffs) | Flow Differenc Differenc (cfs) | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fiffow } \\ \begin{array}{c} \text { Differnece } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| ME4 | 375515 | 2004 | Wet |  | February - | -- | 38,194.4 | 38,187.5 | 6.9 | 0.0\% | 38,186.3 | 8.1 | 0.0\% | 38,184.0 | 10.4 | 0.0\% | 38,181.7 | 12.7 | 0.0\% | 38,179.4 | 15.0 | 0.0\% | 38,177.1 | 17.4 | 0.0\% |
| ME4 | 375515 | 2004 | Wet | March |  | 16,516.2 | 16,509.3 | 6.9 | 0.0\% | 16,508.1 | 8.1 | 0.0\% | 16,505.8 | 10.4 | 0.1\% | 16,504,6 | 11.6 | 0.1\% | 16,502.3 | 13.9 | 0.1\% | 16,500.0 | 16.2 | 0.1\% |
| ME4 | 375515 | 2004 | Wet | April | - | 9,444.8 | 9,438.0 | 6.8 | 0.1\% | 9,437.0 | 7.8 | 0.1\% | 9,435.1 | 9.7 | 0.1\% | 9,433.0 | 11.8 | 0.1\% | 9,431.0 | 13.8 | 0.1\% | 9,428.9 | 15.9 | 0.2\% |
| ME4 | 375515 | 2004 | Wet | May | - | 3,415.5 | 3,400.6 | 14.9 | 0.4\% | 3,398.5 | 17.0 | 0.5\% | 3,394.2 | 21.3 | 0.6\% | 3,389.9 | 25.6 | 0.7\% | 3,385.6 | 29.9 | 0.9\% | 3,381.4 | 34.1 | 1.0\% |
| ME4 | 375515 | 2004 | Wet | June | -- | 691.0 | 672.4 | 18.6 | 2.7\% | 669.8 | 21.2 | 3.1\% | 664.5 | 26.5 | 3.8\% | 659.2 | 31.8 | 4.6\% | 653.9 | 37.1 | 5.4\% | 648.7 | 42.3 | 6.1\% |
| ME4 | 375515 | 2004 | Wet | July | - | 354.9 | 335.2 | 19.6 | 5.5\% | 332.4 | 22.4 | 6.3\% | 326.8 | 28.0 | 7.9\% | 321.3 | 33.6 | 9.5\% | 315.7 | 39.2 | 11.0\% | 310.1 | 44.8 | 12.6\% |
| ME4 | 375515 | 2004 | Wet | August | -- | 224.1 | 205.7 | 18.3 | 8.2\% | 203.1 | 20.9 | 9.3\% | 197.9 | 26.2 | 11.7\% | 192.7 | 31.4 | 14.0\% | 187.4 | 36.6 | 16.3\% | 182.2 | 41.8 | 18.7\% |
| ME4 | 375515 | 2004 | Wet | September | Used in Summary Table Analysis | 161.3 | 144.0 | 17.2 | 10.7\% | 141.6 | 19.7 | 12.2\% | 136.6 | 24.7 | 15.3\% | 131.7 | 29.6 | 18.3\% | 126.8 | 34.5 | 21.4\% | 121.8 | 39.5 | 24.5\% |
| ME4 4 | 375515 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,664.0 | 7,650.6 | 13.4 | 0.2\% | 7,648.6 | 15.4 | 0.2\% | 7,644.8 | 19.2 | 0.3\% | 7,641.0 | 23.0 | 0.3\% | 7,637.0 | 27.0 | 0.4\% | 7,633.2 | 30.8 | 0.4\% |
| ME4 | 375515 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,254.6 | 2,244.1 | 10.5 | 0.5\% | 2,242.6 | 12.0 | 0.5\% | 2,239.6 | 15.0 | 0.7\% | 2,236.6 | 18.1 | 0.8\% | 2,233.6 | 21.1 | 0.9\% | 2,230.6 | 24.1 | 1.1\% |
| ME4 | 375515 | 2005 | Above Normal | December - |  | 20,974.5 | 20,965.3 | 9.3 | 0.0\% | 20,964.1 | 10.4 | 0.0\% | 20,960.6 | 13.9 | 0.1\% | 20,958.3 | 16.2 | 0.1\% | 20,956.0 | 18.5 | 0.1\% | 20,952.5 | 22.0 | 0.1\% |
| ME4 | 375515 | 2005 | Above Normal | January | - | 22,343.8 | 22,335.6 | 8.1 | 0.0\% | 22,334.5 | 9.3 | 0.0\% | 22,332.2 | 11.6 | 0.1\% | 22,329.9 | 13.9 | 0.1\% | 22,326.4 | 17.4 | 0.1\% | 22,324.1 | 19.7 | 0.1\% |
| ME4 | 375515 | 2005 | Above Normal | February | -- | 14,004.6 | 13,996.5 | 8.1 | 0.1\% | 13,959.4 | 9.3 | 0.1\% | 13,993.1 | 11.6 | 0.1\% | 13,991.9 | 12.7 | 0.1\% | 13,989.6 | 15.0 | 0.1\% | 13,887.3 | 17.4 | 0.1\% |
| ME4 4 | 375515 | 2005 | Above Normal | March | - | 28,535.9 | 28,528.9 | 6.9 | 0.0\% | 28,527.8 | 8.1 | 0.0\% | 28,525.5 | 10.4 | 0.0\% | 28,523.1 | 12.7 | 0.0\% | 28,522.0 | 13.9 | 0.0\% | 28,519.7 | 16.2 | 0.1\% |
| ME4 | 375515 | 2005 | Above Normal | April | - | 21,424.8 | 21,417.8 | 6.9 | 0.0\% | 21,416.7 | 8.1 | 0.0\% | 21,414.4 | 10.4 | 0.0\% | 21,413.2 | 11.6 | 0.1\% | 21,410.9 | 13.9 | 0.1\% | 21,408.6 | 16.2 | 0.1\% |
| ME4 | 375515 | 2005 | Above Normal | May | - | 19,545.1 | 19,530.1 | 15.0 | 0.1\% | 19,527.8 | 17.4 | 0.1\% | 19,523.1 | 22.0 | 0.1\% | 19,519,7 | 25.5 | 0.1\% | 19,515,0 | 30.1 | 0.2\% | 19,510.4 | 34.7 | 0.2\% |
| ME4 | 375515 | 2005 | Above Normal | June | - | 15,842.6 | 15,819.4 | 23.1 | 0.1\% | 15,817.1 | 25.5 | 0.2\% | 15,810.2 | 32.4 | 0.2\% | 15,803.2 | 39.4 | 0.2\% | 15,997.5 | 45.1 | 0.3\% | 15,791.7 | 50.9 | 0.3\% |
| ME4 | 375515 | 2005 | Above Normal | July | - | 2,863.7 | 2,843.3 | 20.4 | 0.7\% | 2,840.4 | 23.3 | 0.8\% | 2,834.5 | 29.2 | 1.0\% | 2,828.7 | 35.0 | 1.2\% | 2,822.9 | 40.7 | 1.4\% | 2,817.1 | 46.5 | 1.6\% |
| ME4 4 | 375515 | 2005 | Above Normal | August | - | 981.1 | 962.8 | 18.3 | 1.9\% | 960.3 | 20.9 | 2.1\% | 955.0 | 26.1 | 2.7\% | 949.8 | 31.3 | 3.2\% | 944.6 | 36.5 | 3.7\% | 939.5 | 41.7 | 4.2\% |
| ME4 | 375515 | 2005 | Above Normal | September | Used in Summary Table Analysis | 522.8 | 506.9 | 16.0 | 3.1\% | 504.6 | 18.3 | 3.5\% | 500.0 | 22.8 | 4.4\% | 495.5 | 27.4 | 5.2\% | 490.9 | 31.9 | 6.1\% | 486.4 | 36.5 | 7.0\% |
| ME4 | 375515 | 2006 | Wet | October | Used in Summary Table Analysis | 632.4 | 619.7 | 12.8 | 2.0\% | 617.9 | 14.6 | 2.3\% | 614.2 | 18.2 | 2.9\% | 610.5 | 21.9 | 3.5\% | 606.9 | 25.5 | 4.0\% | 603.2 | 29.2 | 4.6\% |
| ME4 | 375515 | 2006 | Wet | November | Used in Summary Table Analysis | 9,281.9 | 9,272.0 | 10.0 | 0.1\% | 9,270.5 | 11.5 | 0.1\% | 9,267.7 | 14.2 | 0.2\% | 9,264.8 | 17.1 | 0.2\% | 9,261.9 | 20.0 | 0.2\% | 9,259.0 | 22.9 | 0.2\% |
| ME4 | 375515 | 2006 | Wet | December - |  | 43,419.0 | 43,409.7 | 9.3 | 0.0\% | 43,408.6 | 10.4 | 0.0\% | 43,406.3 | 12.7 | 0.0\% | 43,403.9 | 15.0 | 0.0\% | 43,401.6 | 17.4 | 0.0\% | 43,398.1 | 20.8 | 0.0\% |
| ME4 4 | 375515 | 2006 | Wet | January | - | 46,226.9 | 46,218.8 | 8.1 | 0.0\% | 46,217.6 | 9.3 | 0.0\% | 46,214.1 | 12.7 | 0.0\% | 46,211.8 | 15.0 | 0.0\% | 46,209.5 | 17.4 | 0.0\% | 46,207.2 | 19.7 | 0.0\% |
| ME4 | 375515 | 2006 | Wet | February |  | 26,588.0 | 26,581.0 | 6.9 | 0.0\% | 26,579.9 | 8.1 | 0.0\% | 26,577.5 | 10.4 | 0.0\% | 26,575.2 | 12.7 | 0.0\% | 26,572.9 | 15.0 | 0.1\% | 26,571.8 | 16.2 | 0.1\% |
| ME4 | 375515 | 2006 | Wet | March | - | 47,101.9 | 47,094.9 | 6.9 | 0.0\% | 47,093.8 | 8.1 | 0.0\% | 47,092.6 | 9.3 | 0.0\% | 47,090.3 | 11.6 | 0.0\% | 47,088.0 | 13.9 | 0.0\% | 47,085.6 | 16.2 | 0.0\% |
| ME4 | 375515 | 2006 | Wet | April | -- | 30,406.3 | 30,399.3 | 6.9 | 0.0\% | 30,398.1 | 8.1 | 0.0\% | 30,397.0 | 9.3 | 0.0\% | 30,394.7 | 11.6 | 0.0\% | 30,392.4 | 13.9 | 0.0\% | 30,391.2 | 15.0 | 0.0\% |
| ME4 | 375515 | 2006 | Wet | May | - | 14,194.4 | 14,185.2 | 9.3 | 0.1\% | 14,184.0 | 10.4 | 0.1\% | 14,181.7 | 12.7 | 0.1\% | 14,178.2 | 16.2 | 0.1\% | 14,175.9 | 18.5 | 0.1\% | 14,173.6 | 20.8 | 0.1\% |
| ME4 | 375515 | 2006 | Wet | June | -- | 3,545.8 | 3,527.3 | 18.5 | 0.5\% | 3,524.7 | 21.2 | 0.6\% | 3,519.3 | 26.5 | 0.7\% | 3,514.0 | 31.8 | 0.9\% | 3,508.8 | 37.0 | 1.0\% | 3,503.6 | 42.2 | 1.2\% |
| ME4 | 375515 | 2006 | Wet | July | - | 1,277.0 | 1,257.5 | 19.4 | 1.5\% | 1,254.7 | 22.2 | 1.7\% | 1,249.2 | 27.8 | 2.2\% | 1,243.6 | 33.3 | 2.6\% | 1,238.2 | 38.8 | 3.0\% | 1,232.6 | 44.3 | 3.5\% |
| ME4 | 375515 | 2006 | Wet | August | -- | 663.2 | 644.5 | 18.7 | 2.8\% | 641.8 | 21.4 | 3.2\% | 636.5 | 26.7 | 4.0\% | 631.2 | 32.0 | 4.8\% | 625.9 | 37.3 | 5.6\% | 620.6 | 42.5 | 6.4\% |
| ME4 | 375515 | 2006 | Wet | September | Used in Summary Table Analysis | 424.4 | 408.2 | 16.2 | 3.8\% | 405.9 | 18.5 | 4.3\% | 401.3 | 23.1 | 5.4\% | 396.7 | 27.7 | 6.5\% | 392.2 | 32.2 | 7.6\% | 387.6 | 36.8 | 8.7\% |
| ME4 | 375515 | 2007 | Above Normal | October | Used in Summary Table Analysis | 273.0 | 26.1 | 12.9 | 4.7\% | 258.3 | 14.8 | 5.4\% | 254.5 | 18.5 | 6.8\% | 250.8 | 22.2 | 8.1\% | 247.1 | 25.9 | 9.5\% | 243.4 | 29.7 | 10.9\% |
| ME4 | 375515 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,645.6 | 8,635.2 | 10.4 | 0.1\% | 8,633.7 | 11.9 | 0.1\% | 8,630.7 | 14.9 | 0.2\% | 8,627.8 | 17.8 | 0.2\% | 8,624.7 | 20.9 | 0.2\% | 8,621.6 | 24.0 | 0.3\% |
|  | 375515 375515 | 2007 2007 | Above Normal Above Normal | December |  | $20,368.1$ $10,240.3$ | $20,358.8$ $10,232.1$ | $\begin{aligned} & 9.3 \\ & 8.2 \end{aligned}$ | ${ }^{0.0 \%}$ | $20,356.5$ $10,230.9$ | ${ }_{9.4}^{11.6}$ | 0.1\% | $20,354.2$ $10,228.6$ | 13.9 11.7 | 0.1\% | $20,351.9$ 10.226 .2 | 16.2 14.1 | 0.1\% | 20,348.4 $10,223.8$ | 19.7 16.4 | 0.1\% | $20,346.1$ 10,221.4 | 22.0 18.9 | 0.1\% |
| ME 4 | 375515 | 2007 | Above Normal | February - | -- | 30,523.1 | 30,516.2 | ${ }_{6}^{6.2}$ | 0.0\% | 30,515.0 | 8.1 | 0.0\% | 30,512.7 | 10.4 | 0.0\% | 30,510.4 | 12.7 | 0.0\% | 30,508.1 | 15.0 | 0.0\% | 30,505.8 | 17.4 | 0.1\% |
| ME4 | 375515 | 2007 | Above Normal | March | -- | 13,093.8 | 13,085.6 | 8.1 | 0.1\% | 13,085.6 | 8.1 | 0.1\% | 13,083.3 | 10.4 | 0.1\% | 13,081.0 | 12.7 | 0.1\% | 13,078.7 | 15.0 | 0.1\% | 13,076.4 | 17.4 | 0.1\% |
| ME4 | 375515 | 2007 | Above Normal | April | -- | 11,527.0 | 11,512.4 | 14.6 | 0.1\% | 11,510.3 | 16.7 | 0.1\% | 11,506.1 | 20.8 | 0.2\% | 11,502.0 | 25.0 | 0.2\% | 11,997.7 | 29.3 | 0.3\% | 11,993.5 | 33.4 | 0.3\% |
| ME4 | 375515 | 2007 | Above Normal | May | - | 4,136.5 | 4,119.1 | 17.4 | 0.4\% | 4,116.7 | 19.8 | 0.5\% | 4,111.7 | 24.8 | 0.6\% | 4,106.7 | 29.7 | 0.7\% | 4,101.7 | 34.7 | 0.8\% | 4,096.6 | 39.8 | 1.0\% |
| ME4 | 375515 | 2007 | Above Normal | June | - | 1,496.2 | 1,475.5 | 20.7 | 1.4\% | 1,472.6 | 23.6 | 1.6\% | 1,466.7 | 29.5 | 2.0\% | 1,460.8 | 35.4 | 2.4\% | 1,454.9 | 41.3 | 2.8\% | 1,499.1 | 47.1 | 3.1\% |
| ME4 | 375515 | 2007 | Above Normal | July | - | 495.2 | 474.6 | 20.6 | 4.2\% | 471.7 | 23.5 | 4.8\% | 465.8 | 29.4 | 5.9\% | 460.0 | 35.2 | 7.1\% | 454.2 | 41.0 | 8.3\% | 448.4 | 46.9 | 9.5\% |
| ME4 | 375515 | 2007 | Above Normal | August | -- | 221.9 | 203.5 | 18.4 | 8.3\% | 200.9 | 21.0 | 9.5\% | 195.7 | 26.2 | 11.8\% | 190.5 | 31.4 | 14.2\% | 185.3 | 36.6 | 16.5\% | 180.1 | 41.8 | 18.9\% |
| ME4 | 375515 | 2007 | Above Normal | September | Used in Summary Table Analysis | 149.6 | 132.4 | 17.2 | 11.5\% | 129.9 | 19.7 | 13.1\% | 125.0 | 24.6 | 16.4\% | 120.1 | 29.5 | 19.7\% | 115.2 | 34.4 | 23.0\% | 110.3 | 39.3 | 26.2\% |
| ME4 | 375515 | 2008 | Dry | October | Used in Summary Table Analysis | 3,426.4 | 3,412.6 | 13.8 | 0.4\% | 3,410.6 | 15.7 | 0.5\% | 3,406.7 | 19.7 | 0.6\% | 3,402.8 | 23.6 | 0.7\% | 3,398.8 | 27.5 | 0.8\% | 3,394.9 | 31.5 | 0.9\% |
| ME4 | 375515 | 2008 | Dry | November | Used in Summary Table Analysis | 3,267.9 | 3,257.4 | 10.5 | 0.3\% | 3,255.9 | 12.0 | 0.4\% | 3,252.9 | 15.0 | 0.5\% | $3,249.8$ 3, | 18.2 | 0.6\% | $3,246.8$ 230521 23 | 21.2 <br> 18.5 <br> 17.4 | ${ }^{0.6 \%}$ | $3,243.8$ 23098 | 24.2 | 0.7\% |
| ME 4 | 375515 375515 | 2008 2008 | Dry Dry | December January | $\cdots$ | $23,070.6$ 37.478 .0 | $23,061.3$ $37,468.8$ | $\begin{aligned} & 9.3 \\ & 9.3 \end{aligned}$ | 0.0\% $0.0 \%$ | 23,060.2 $37,467.6$ | 10.4 10.4 | $0.0 \%$ $0.0 \%$ | $23,057.9$ 37.465 .3 | $\begin{aligned} & 12.7 . \\ & { }_{12} \end{aligned}$ | $0.1 \%$ $0.0 \%$ | $23,054.4$ $37,463.0$ | 16.2 15.0 | $0.1 \%$ $0.0 \%$ | $23,052.1$ $37,460.6$ | 18.5 17.4 | 0.1\% $0.0 \%$ | $23,049.8$ $37,458.3$ | 20.8 19.7 | 0.1\% |
| ME 4 | 375515 | 2008 | Dry | February - | -- | 26,258.1 | 26,251.2 | 6.9 | 0.0\% | 26,250.0 | 8.1 | 0.0\% | 26,247.7 | 10.4 | 0.0\% | 26,245.4 | 12.7 | 0.0\% | 26,243.1 | 15.0 | 0.1\% | 26,240.7 | 17.4 | 0.1\% |
| ME4 | 375515 | 2008 | Dry | March |  | 11,788.2 | 11,781.3 | 6.9 | 0.1\% | 11,781.3 | 6.9 | 0.1\% | 11,778.9 | 9.3 | 0.1\% | 11,776.6 | 11.6 | 0.1\% | 11,774.3 | 13.9 | 0.1\% | 11,773.1 | 15.0 | 0.1\% |
| ME4 | 375515 | 2008 | Dry | April | - | 9,012.3 | 8,997.5 | 14.8 | 0.2\% | 8,995.3 | 17.0 | 0.2\% | 8,991.1 | 21.2 | 0.2\% | 8,986.8 | 25.5 | 0.3\% | 8,982.5 | 29.7 | 0.3\% | 8,978.2 | 34.0 | 0.4\% |
| ME4 | 375515 | 2008 | Dry | May | - | 1,360.3 | 1,344.4 | 15.9 | 1.2\% | 1,342.2 | 18.1 | 1.3\% | 1,337.7 | 22.6 | 1.7\% | 1,333.2 | 27.1 | 2.0\% | 1,328.9 | 31.4 | 2.3\% | 1,324.7 | 35.6 | 2.6\% |
| ME4 | 375515 | 2008 | Dry | June | - | 436.9 | 414.4 | 22.6 | 5.2\% | 411.2 | 25.8 | 5.9\% | 404.8 | 32.1 | 7.4\% | 398.4 | 38.5 | 8.8\% | 392.1 | 44.8 | 10.3\% | 385.8 | 51.2 | 11.7\% |
| ME4 | 375515 375515 | 2008 | Dry | July | - | 255.2 178.6 | 233.4 1576 | 21.9 | 8.6\% | 230.3 154 115.5 | 25.0 | 9.8\% | 224.0 14.6 | 31.2 | 12.2\% | 217.8 1726 | 37.4 36.4 | 14.7\% | ${ }^{211.6}$ | 43.6 | 17.1\% | 205.4 | 49.8 | 19.5\% |
| ME4 4 | 375515 | 2008 | Dry | August | -- | 178.6 | 157.6 | 21.0 | 11.8\% | 154.6 | 24.0 | 13.5\% | 148.6 | 30.0 | 16.8\% | 142.6 | 36.0 | 20.2\% | 136.6 | 42.0 | 23.5\% | 130.7 | 48.0 | 26.8\% |
| ME4 | 375515 | 2008 | Dry | September | Used in Summary Table Analysis | 140.3 | 120.3 | 20.0 | 14.3\% | 117.5 | 22.9 | 16.3\% | 111.7 | 28.6 | 20.4\% | 106.0 | 34.3 | 24.4\% | 100.3 | 40.0 | 28.5\% | 94.6 | 45.7 | 32.6\% |
| ME4 4 | 375515 <br> 7515 | 2009 | Critical | October | Used in Summary Table Analysis | 922.9 | 907.4 | 15.5 | 1.7\% | ${ }^{905.1}$ | 17.8 | 1.9\% | 900.7 504814 | 22.2 | 2.4\% | 896.2 54779 | ${ }_{20,7}^{26.7}$ | 2.9\% | 889.9 | 31.0 | ${ }^{3.4 \%}$ | 887.4 58711 | 35.5 | 3.8\% |
| ME4 | 375515 | 2009 | Critical | November | Used in Summary Table Analysis | 5,498.5 | 5,486.6 | 11.9 | 0.2\% | 5,484.8 | 13.7 | 0.2\% | 5,481.4 | 17.1 | 0.3\% | 5,477.9 | 20.6 | 0.4\% | 5,474.5 | 24.0 | 0.4\% | 5,471.1 | 27.4 | 0.5\% |
| me4 | 375515 | 2009 | Critical | December - |  | 12,137.7 | 12,127.3 | 10.4 | ${ }^{0.1 \%}$ | 12,126.2 | 11.6 | ${ }^{0.1 \%}$ | $12,122.7$ 87753 | 15.0 135 | 0.1\% | $12,120.4$ 87726 | 17.4 | 0.1\% | $12,1116.9$ 88769 | 20.8 | $0.2 \%$ $0.2 \%$ | $12,114.6$ 8.767 .1 82, | 23.1 21.8 | $0.2 \%$ $0.2 \%$ |
| ME4 | 375515 | 2009 | Critical | January |  | 8,788.9 | 8,779.5 | 9.4 | 0.1\% | 8,778.1 | 10.8 | 0.1\% | 8,775.3 | 13.5 | 0.2\% | 8,772.6 | 16.3 | 0.2\% | 8,769.8 | 19.1 | 0.2\% | 8,767.1 | 21.8 | 0.2\% |
| ME4 | 375515 | 2009 | Critical | March | -- | ${ }^{22,511.4}$ | ${ }^{221,097.2}$ | 8.1 6.9 | 0.0\% | ${ }^{22,10896.2}$ | 8.1 | 0.0\% | 211,093.8 | 10.4 | 0.0\% | 21,091.4 | 13.7 | 0.1\% | ${ }_{\text {21,089.1 }}$ | 15.2 15.0 | 0.1\% | 22,072.9 $21,086.8$ | 18.5 <br> 17.4 | 0.1\% |
| ME4 | 375515 | 2009 | Critical | April | -- | 10,095.1 | 10,079.9 | 15.3 | 0.2\% | 10,077.7 | 17.5 | 0.2\% | ${ }^{10,073.3}$ | 21.9 | 0.2\% | 22,517. $10,068.9$ | 26.3 | 0.3\% | 10,064.5 | 33.7 | 0.3\% | 10,060.1 | 35.1 | 0.3\% |
| ME 4 | 375515 | 2009 | Critical | May |  | 15,575.2 | 15,556.7 | 18.5 | 0.1\% | 15,554.4 | 20.8 | 0.1\% | 15,548.6 | 26.6 | 0.2\% | 15,544.0 | 31.3 | 0.2\% | 15,538.2 | 37.0 | 0.2\% | 15,532.4 | 42.8 | 0.3\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  |  |  | Flowwithout Pumping (cts) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Incr |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water <br> Reach) |  |  | Month | Note |  | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\underset{\substack{\text { Difow } \\ \text { Diference } \\ \text { (ffs) }}}{\substack{\text { con }}}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiffow } \\ \substack{\text { Diference } \\ \text { (ffs) }} \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME4 | 375515 | 2009 | Critical | June | - | 3,159.1 | 3,135.2 | 24.0 | 0.8\% | 3,131.7 | 27.4 | 0.9\% | 3,124.9 | 34.3 | 1.1\% | 3,118,1 | 41.1 | 1.3\% | 3,111.2 | 47.9 | 1.5\% | 3,104.4 | 54.7 | 1.7\% |
| ME4 | 375515 | 2009 | Critical | July | - | 1,261.8 | 1,239.6 | 22.2 | 1.8\% | 1,236.5 | 25.3 | 2.0\% | 1,230.2 | 31.6 | 2.5\% | 1,224.0 | 37.8 | 3.0\% | 1,217.7 | 44.1 | 3.5\% | 1,211.5 | 50.3 | 4.0\% |
| ME 4 | 375515 | 2009 | Critical | August | -- | 667.7 | 646.5 | 21.2 | 3.2\% | 643.5 | 24.2 | 3.6\% | 637.5 | 30.2 | 4.5\% | 631.5 | 36.2 | 5.4\% | 625.4 | 42.2 | 6.3\% | 619.4 | 48.3 | 7.2\% |
| me 4 | 375515 | 2009 | Critical | September | Used in Summary Table Analysis | 389.1 | 370.4 | 18.6 | 4.8\% | 367.8 | 21.3 | 5.5\% | 362.4 | 26.7 | 6.9\% | 357.1 | 32.0 | 8.2\% | 351.8 | 37.3 | 9.6\% | 346.5 | 42.6 | 11.0\% |
| me 4 | 375515 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,087.0 | 6,071.3 | 15.7 | 0.3\% | 6,069.1 | 17.9 | 0.3\% | 6,064.6 | 22.5 | 0.4\% | 6,060.1 | 27.0 | 0.4\% | 6,055.7 | 31.4 | 0.5\% | 6,051.2 | 35.9 | 0.6\% |
| ME 4 | 375515 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,281.9 | 8,269.7 | 12.3 | 0.1\% | 8,267.9 | 14.0 | 0.2\% | 8,264.4 | 17.6 | 0.2\% | 8,260.8 | 21.2 | 0.3\% | 8,257.3 | 24.7 | 0.3\% | 8,253.7 | 28.2 | 0.3\% |
| ME 4 | 375515 | 2010 | Below Normal | December - | -- | 12,338.0 | 12,327.5 | 10.4 | 0.1\% | 12,326.4 | 11.6 | 0.1\% | 12,322.9 | 15.0 | 0.1\% | 12,320.6 | 17.4 | 0.1\% | 12,317.1 | ${ }^{20.8}$ | 0.2\% | 12,313.7 | 24.3 | 0.2\% |
| me 4 | 375515 | 2010 | Below Normal | January | -- | 36,179.4 | 36,170.1 | 9.3 | 0.0\% | 36,169.0 | 10.4 | 0.0\% | 36,165.5 | 13.9 | 0.0\% | 36,163.2 | 16.2 | 0.0\% | 36,159.7 | 19.7 | 0.1\% | 36,157.4 | 22.0 | 0.1\% |
| me 4 | 375515 | 2010 | Below Normal | February | -- | 27,230.3 | 27,222.2 | 8.1 | 0.0\% | 27,299.9 | 10.4 | 0.0\% | 27,217.6 | 12.7 | 0.0\% | 27,215.3 | 15.0 | 0.1\% | 27,213.0 | 17.4 | 0.1\% | 27,210.6 | 19.7 | 0.1\% |
| ME 4 | 375515 | 2010 | Below Normal | March |  | 28,824.1 | 28,816.0 | 8.1 | 0.0\% | 28,814.8 | 9.3 | 0.0\% | 28,812.5 | 11.6 | 0.0\% | 28,810.2 | 13.9 | 0.0\% | 28,807.9 | 16.2 | 0.1\% | 28,805.6 | 18.5 | 0.1\% |
| me4 | 375515 | 2010 | Below Normal | April | - | 39,990.7 | 39,982.6 | 8.1 | 0.0\% | 39,981.5 | 9.3 | 0.0\% | 39,979.2 | 11.6 | 0.0\% | 39,976,9 | 13.9 | 0.0\% | 39,974.5 | 16.2 | 0.0\% | 39,972.2 | 18.5 | 0.0\% |
| ME4 | 375515 | 2010 | Below Normal | May | - | 20,251.2 | 20,235.0 | 16.2 | 0.1\% | 20,232.6 | 18.5 | 0.1\% | 20,228.0 | 23.1 | 0.1\% | 20,223.4 | 27.8 | 0.1\% | 20,218.8 | 32.4 | 0.2\% | 20,214.1 | 37.0 | 0.2\% |
| me 4 | 375515 | 2010 | Below Normal | June | - | 9,335.9 | 9,312.8 | 23.0 | 0.2\% | 9,309.5 | 26.4 | 0.3\% | 9,302.9 | 33.0 | 0.4\% | 9,296.5 | 39.4 | 0.4\% | 9,290.0 | 45.8 | 0.5\% | 9,283.4 | 52.4 | 0.6\% |
| me 4 | 375515 | 2010 | Below Normal | July | - | 1,453.5 | 1,432.9 | 20.6 | 1.4\% | 1,429.9 | 23.6 | 1.6\% | 1,424.0 | 29.5 | 2.0\% | 1,418.1 | 35.4 | 2.4\% | 1,412.0 | 41.4 | 2.9\% | 1,406.5 | 47.0 | 3.2\% |
| ME 4 | 375515 | 2010 | Below Normal | August | -- | 567.2 | 548.4 | 18.7 | 3.3\% | 545.8 | 21.4 | 3.8\% | 540.4 | 26.8 | 4.7\% | 535.1 | 32.0 | 5.7\% | 529.8 | 37.4 | 6.6\% | 524.5 | 42.7 | 7.5\% |
| me4 | 375515 | 2010 | Below Normal | September | Used in Summary Table Analysis | 649.4 | 631.7 | 17.7 | 2.7\% | 629.1 | 20.2 | 3.1\% | 624.0 | 25.3 | 3.9\% | 619.0 | 30.3 | 4.7\% | 614.0 | 35.4 | 5.4\% | 608.9 | 40.4 | 6.2\% |
| ME4 | 375515 | 2011 | Wet | October | Used in Summary Table Analysis | 9,623.6 | 9,610.3 | 13.3 | 0.1\% | 9,608.4 | 15.2 | 0.2\% | 9,604.7 | 18.9 | 0.2\% | 9,600.9 | 22.7 | 0.2\% | 9,597.1 | 26.5 | 0.3\% | 9,593.3 | 30.3 | 0.3\% |
| ME 4 | 375515 | 2011 | Wet | November | Used in Summary Table Analysis | 14,209.5 | 14,199.1 | 10.4 | 0.1\% | 14,196.8 | 12.7 | 0.1\% | 14,194.4 | 15.0 | 0.1\% | 14,191.0 | 18.5 | 0.1\% | 14,187.5 | 22.0 | 0.2\% | 14,185.2 | 24.3 | 0.2\% |
| me4 | 375515 | 2011 | Wet | December |  | 33,65.1 | 33,645.8 | 9.3 | 0.0\% | 33,644.7 | 10.4 | 0.0\% | 33,642.4 | 12.7 | 0.0\% | 33,640.0 | 15.0 | 0.0\% | 33,636.6 | 18.5 | 0.1\% | 33,634.3 | 20.8 | 0.1\% |
| ME4 | 375515 | 2011 | Wet | January | - | 14,148.1 | 14,140.0 | 8.1 | 0.1\% | 14,138.9 | 9.3 | 0.1\% | 14,136.6 | 11.6 | 0.1\% | 14,134.3 | 13.9 | 0.1\% | 14,130.8 | 17.4 | 0.1\% | 14,128.5 | 19.7 | 0.1\% |
| me 4 | 375515 | 2011 | wet | February | -- | 20,759.3 | 20,752.3 | 6.9 | 0.0\% | 20,751.2 | 8.1 | 0.0\% | 20,748.8 | 10.4 | 0.1\% | 20,746.5 | 12.7 | 0.1\% | 20,744.2 | 15.0 | 0.1\% | 20,741.9 | 17.4 | 0.1\% |
| ME4 | 375515 | 2011 | Wet | March | - | 51,976.9 | 51,969.9 | 6.9 | 0.0\% | 51,968.8 | 8.1 | 0.0\% | 51,966.4 | 10.4 | 0.0\% | 51,964.1 | 12.7 | 0.0\% | 51,961.8 | 15.0 | 0.0\% | 51,959.5 | 17.4 | 0.0\% |
| ME 4 | 375515 | 2011 | Wet | April | - | 24,790.5 | 24,782.4 | 8.1 | 0.0\% | 24,781.3 | 9.3 | 0.0\% | 24,780.1 | 10.4 | 0.0\% | 24,777.8 | 12.7 | 0.1\% | 24,775.5 | 15.0 | 0.1\% | 24,773.1 | 17.4 | 0.1\% |
| me4 | 375515 | 2011 | Wet | May | - | 11,378.0 | 11,362.8 | 15.2 | 0.1\% | 11,360.8 | 17.2 | 0.2\% | 11,356.4 | 21.6 | 0.2\% | 11,352.0 | 26.0 | 0.2\% | 11,347.6 | 30.4 | 0.3\% | 11,343.3 | 34.7 | 0.3\% |
| ME4 | 375515 | 2011 | Wet | June | - | 7,051.9 | 7,029.3 | 22.6 | 0.3\% | 7,026.0 | 25.8 | 0.4\% | 7,019.7 | 32.2 | 0.5\% | 7,013.3 | 38.5 | 0.5\% | 7,006.9 | 44.9 | 0.6\% | 7,000.6 | 51.3 | 0.7\% |
| me 4 | 375515 | 2011 | wet | July | - | 1,828.1 | 1,806.0 | 22.1 | 1.2\% | 1,802.9 | 25.2 | 1.4\% | 1,796.6 | 31.5 | 1.7\% | 1,790.4 | 37.7 | 2.1\% | 1,784.0 | 44.1 | 2.4\% | 1,777.8 | 50.3 | 2.8\% |
| ME4 4 | 375515 | 2011 | Wet | August | -- | 775.5 | 756.9 | 18.6 | 2.4\% | 754.3 | 21.2 | 2.7\% | 749.0 | 26.5 | 3.4\% | 743.7 | 31.8 | 4.1\% | 738.4 | 37.1 | 4.8\% | 733.2 | 42.3 | 5.5\% |
| ME 4 | 375515 | 2011 | Wet | September | Used in Summary Table Analysis | 432.2 | 415.5 | 16.7 | 3.9\% | 413.1 | 19.1 | 4.4\% | 408.3 | 23.8 | 5.5\% | 403.6 | 28.6 | 6.6\% | 398.8 | 33.3 | 7.7\% | 394.1 | 38.1 | 8.8\% |
| ME4 | 375515 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,536.7 | 4,523.1 | 13.5 | 0.3\% | 4,521.3 | 15.4 | 0.3\% | 4,517.4 | 19.3 | 0.4\% | 4,513.5 | 23.1 | 0.5\% | 4,509.7 | 27.0 | 0.6\% | 4,505.8 | 30.9 | 0.7\% |
| ME4 | 375515 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,228.0 | 8,217.4 | 10.6 | 0.1\% | 8,215.7 | 12.3 | 0.1\% | 8,212.7 | 15.3 | 0.2\% | 8,209.6 | 18.4 | 0.2\% | 8,206.5 | 21.5 | 0.3\% | 8,203.5 | 24.5 | 0.3\% |
| ME 4 | 375515 | 2012 | Below Normal | December - |  | 5,179.2 | 5,169.9 | 9.3 | 0.2\% | 5,168.6 | 10.5 | 0.2\% | 5,166.0 | 13.2 | 0.3\% | 5,163.3 | 15.9 | 0.3\% | 5,160.6 | 18.5 | 0.4\% | 5,157.9 | 21.3 | 0.4\% |
| ME4 | 375515 | 2012 | Below Normal | January | -- | 20,086.8 | 20,078.7 | 8.1 | 0.0\% | 20,076.4 | 10.4 | 0.1\% | 20,074.1 | 12.7 | 0.1\% | 20,071.8 | 15.0 | ${ }^{0.1 \%}$ | $20,069.4$ 18,1898 | 17.4 | ${ }^{0.1 \%}$ | 20,067.1 | 19.7 | ${ }^{0.1 \%}$ |
| ME4 4 | 375515 | 2012 | Below Normal | February |  | 18,204.9 | 18,196.8 | 8.1 | 0.0\% | 18,196.8 | 8.1 | 0.0\% | 18,194.4 | 10.4 | 0.1\% | 18,192.1 | 12.7 | 0.1\% | 18,189.8 | 15.0 | 0.1\% | 18,187.5 | 17.4 | 0.1\% |
| ME4 | 375515 | 2012 | Below Normal | March | - | 45,391.2 | 45,383.1 | 8.1 | 0.0\% | 45,381.9 | ${ }^{9.3}$ | 0.0\% | 45,379.6 | 11.6 | 0.0\% | 45,377.3 | 13.9 | 0.0\% | $45,375.0$ 26,832, | 16.2 | ${ }^{0.0 \%}$ | $45,372.7$ 268310 | 18.5 | ${ }^{0.0 \%}$ |
| ME4 | 375515 | 2012 | Below Normal | April | - | 26,847.2 | 26,840.3 | 6.9 | 0.0\% | 26,839.1 | 8.1 | 0.0\% | 26,836.8 | 10.4 | 0.0\% | 26,834,5 | 12.7 | 0.0\% | 26,832.2 | 15.0 | 0.1\% | 26,831.0 | 16.2 | 0.1\% |
| me 4 | 375515 | 2012 | Below Normal | May | - | 7,480.0 | 7,464,9 | 15.0 | 0.2\% | 7,462.7 | 17.2 | 0.2\% | 7,458.3 | 21.6 | 0.3\% | 7,454.1 | 25.9 | 0.3\% | 7,499.8 | 30.2 | 0.4\% | 7,445.4 | 34.6 | 0.5\% |
| ME 4 | 375515 375515 | 2012 | Below Normal | June | - | 5,511.11 | 5,488.1 | 23.0 | 0.4\% | 5,484.8 | 26.3 | 0.5\% | 5,478.2 | 32.9 | 0.6\% | 5,471.8 | 39.4 | 0.7\% | 5,465.3 | 45.8 | 0.8\% | 5,458.8 | 52.3 | 0.9\% |
| ME 4 | 375515 | 2012 | Below Normal | July | - | 2,221.1 | 2,199.7 | 21.4 | 1.0\% | 2,196.6 | 24.4 | ${ }^{1.1 \%}$ | 2,190.6 | 30.4 | 1.4\% | 2,184.5 | ${ }^{36.6}$ | 1.6\% | 2,178.5 | 42.6 | 1.9\% | 2,172.3 | 48.7 | ${ }^{2.2 \%}$ |
| ME 4 | 375515 375515 | 2012 | Below Normal | August | Used in Summar Tabe Analys | 387.6 27.6 | 370.6 | 17.0 | 4.4\% | 368.2 | 19.4 | 5.0\% | 363.4 | 24.2 | ${ }_{\text {6.2\% }}^{6.6 \%}$ | 358.5 | 29.0 <br> 25 | 7.5\% | 353.7 2181 | 33.8 298, | 8.7\% | 348.9 | 38.7 34.1 | 10.0\% |
| ME 4 | 375515 | 2012 | Below Normal | September | Used in Summary Table Analysis | 247.9 | 232.9 | 15.0 | 6.0\% | 230.8 | 17.1 | 6.9\% | 226.5 | 21.4 | 8.6\% | 222.3 | ${ }^{25.6}$ | 10.3\% | 218.1 | 29.8 | 12.0\% | 213.8 | 34.1 | 13.8\% |
| ME 4 | 375515 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,908.8 | 1,895.8 | 13.0 | 0.7\% | 1,894.0 | 14.8 | 0.8\% | 1,890.3 | 18.5 | 1.0\% | 1,886.6 | 22.2 | 1.2\% | 1,882.9 | 25.9 | 1.4\% | 1,879.2 | 29.6 | 1.6\% |
| ME4 4 | 375515 37515 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,666.7 | 14,65.3 | 10.4 | 0.1\% | 14,655.1 | 11.6 | 0.1\% | 14,652.8 | 13.9 | 0.1\% | 14,649.3 | 17.4 | 0.1\% | 14,645.8 | 20.8 | 0.1\% | 14,643.5 | 23.1 | 0.2\% |
| ME 4 | 375515 | 2013 | Below Normal | December - |  | 59,950.2 | 59,941.0 | 9.3 | 0.0\% | 59,938.7 | 11.6 | 0.0\% | 59,936.3 | 13.9 | 0.0\% | 59,934.0 | 16.2 | 0.0\% | 59,930.6 | 19.7 | 0.0\% | 59,928.2 | 22.0 | 0.0\% |
| ME 4 | 375515 <br> 37515 | 2013 | Below Normal | January | $\cdots$ | $22,188.7$ 8, 88398 | 22,180.6 | 8.1 | 0.0\% | 22,179.4 | 9.3 88 | 0.0\% | $22,177.1$ 8888 8 | 11.6 | ${ }^{0.1 \%}$ | $22,174.8$ 88826.6 | 13.9 13.9 | 0.1\% | $22,172.5$ 8824.3 | 16.2 | 0.1\% | ${ }^{22,17021}$ | 18.5 | 0.1\% |
| ME 4 | 375515 | 2013 | Below Normal | February |  | 8,839.8 | 8,832.2 | 7.6 | 0.1\% | 8,831.0 | 8.8 | 0.1\% | 8,828.8 | 11.0 | 0.1\% | 8,826.6 | 13.2 | 0.1\% | 8,824.3 | 15.5 | 0.2\% | 8,882.1 | 17.7 | 0.2\% |
| me 4 | 375515 | 2013 | Below Normal | March | - | 10,321.3 | 10,313.9 | 7.4 | 0.1\% | 10,312.8 | 8.4 | 0.1\% | 10,310.6 | 10.6 | 0.1\% | 10,308.6 | 12.7 | 0.1\% | 10,306.4 | 14.9 | 0.1\% | 10,304.2 | 17.1 | 0.2\% |
| ME4 4 | 375515 375515 | 2013 | Below Normal | April | - | 8,288.4 | 8,274.2 | 14.2 | ${ }^{0.2 \%}$ | ${ }^{8,272.1}$ | 16.3 | ${ }^{0.2 \%}$ | ${ }^{8,268.1}$ | 20.4 | ${ }^{0.2 \%}$ | $8,2639.9$ 43978 | 24.5 | 0.3\% | 8,259.8 | 28.6 | 0.3\% | 8,255.7 | 32.8 | 0.4\% |
| ME 4 | 375515 | 2013 | Below Normal | May | - | 4,427.4 | 4,410.2 | 17.2 | 0.4\% | 4,407.6 | 19.8 | 0.4\% | 4,402.7 | 24.8 | 0.6\% | 4,397.8 | 29.6 | 0.7\% | 4,392.8 | 34.6 | 0.8\% | 4,387.8 | 39.6 | ${ }^{0.9 \%}$ |
| ME4 4 | 375515 | 2013 | Below Normal | June | - | 2,109.4 | 2,088.7 | 20.7 | 1.0\% | 2,085.8 | 23.6 22.5 | 1.1\% | $2,079.9$ 6897 | 29.5 28.1 | 1.4\% | $2,074.0$ <br> 684 | 35.4 33.7 | 1.7\% | $2,068.2$ <br> 678.5 | 41.2 39.3 | 2.0\% $5.5 \%$ | $2,062.3$ 673.0 | 47.1 44.8 | $2.2 \%$ <br> $6.2 \%$ <br> $12 \%$ |
| me 4 | 375515 | 2013 | Below Normal | July | - | 717.8 | 698.0 | 19.7 | 2.7\% | 695.2 | 22.5 | 3.1\% | 689.7 | 28.1 | 3.9\% | 684.1 | 33.7 | 4.7\% | 678.5 | 39.3 | 5.5\% | 673.0 | 44.8 | ${ }^{6.2 \%}$ |
| me4 | 375515 | 2013 | Below Normal | August | -- | 339.4 | 321.0 | 18.3 | 5.4\% | 318.4 | 20.9 | 6.2\% | 313.2 | 26.1 | 7.7\% | 308.0 | 31.4 | 9.2\% | 302.8 | 36.6 | 10.8\% | 297.6 | 41.8 | 12.3\% |
| ME4 4 | 375515 375515 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,781.3 | 4,762.3 | 19.0 | 0.4\% | 4,759.6 | 21.6 15.4 | 0.5\% | 4,754.3 | 27.0 | 0.6\% | 4,748.8 | 32.4 | ${ }^{0.7 \%}$ | 4,743.5 | 37.7 27.1 | ${ }^{0.8 \%}$ | 4,738.1 | 43.2 | 0.9\% |
| ME 4 | 375515 | 2014 | Critical | October | Used in Summary Table Analysis | 281.2 | 267.7 | 13.5 | 4.8\% | 265.7 | 15.4 | 5.5\% | 261.9 | 19.3 | 6.9\% | 258.0 | 23.2 | 8.3\% | 254.1 | 27.1 | 9.6\% | 250.2 | 31.0 | 11.0\% |
| ME4 4 | 375515 37515 | 2014 | Critical | November | Used in Summary Table Analysis | 1,553.5 | 1,554.8 | 10.8 | ${ }^{0.7 \%}$ | 1,553.1 | 12.4 | 0.8\% | $1,52.00$ $1,574.9$ | 15.5 137 | ${ }^{1.0 \%}$ | $1,516.9$ 1,5721 | 18.6 16.4 | 1.2\% | 1,513.8 <br> 1,5693 <br> 188.7 | 21.8 19.2 | $1.4 \%$ $1.2 \%$ | $1,510.6$ $1,566.6$ | 24.9 22.0 | 1.6\% |
| ME 4 | 375515 | 2014 | Critical | December - |  | 1,588.5 | 1,578.9 | 9.6 | 0.6\% | 1,577.7 | 10.9 | 0.7\% | 1,574.9 | 13.7 | 0.9\% | 1,572.1 | 16.4 | 1.0\% | 1,569.3 | 19.2 | 1.2\% | 1,566.6 | 22.0 | ${ }^{1.4 \%}$ |
| ME4 | 375515 | 2014 | Critical | January | -- | 2,818.9 | 2,810.4 | 8.4 | 0.3\% | 2,809.1 | 9.7 | 0.3\% | 2,806.7 | 12.2 | 0.4\% | 2,804.2 | 14.7 | 0.5\% | 2,801.7 | 17.1 | 0.6\% | 2,799.2 | 19.7 | 0.7\% |
| ME 4 | 375515 | 2014 | Critical | February - | - | 15,745.4 | 15,737.3 | 8.1 | 0.1\% | 15,736.1 | 9.3 | 0.1\% | 15,733.8 | 11.6 | 0.1\% | 15,731.5 | 13.9 | ${ }^{0.1 \%}$ | $15,729.2$ 31,496 | 16.2 | 0.1\% | $15,726.9$ 312583 | 18.5 | ${ }^{0.1 \%}$ |
| me4 | 375515 | 2014 | Critical | March | - | 31,475.7 | 31,467.6 | 8.1 | 0.0\% | 31,46.4 | 9.3 | 0.0\% | 31,464.1 | 11.6 | 0.0\% | 31,463.0 | 12.7 | 0.0\% | 31,460.6 | 15.0 | 0.0\% | 31,458.3 | 17.4 | 0.1\% $0.3 \%$ |
| ME 4 | 375515 <br> 37515 | 2014 | Critical Critical | April | $\cdots$ | $12,986.1$ ${ }_{5} 1859$ | $12,971.1$ ${ }_{5} 1676$ | 15.0 | 0.1\% | $12,968.8$ 5,1650 1 | 17.4 | 0.1\% | $12,965.3$ 5,159 1,168 | 20.8 26.0 | 0.2\% | $12,960.6$ 51546 $1,154,7$ | 25.5 | 0.2\% | 12,956.0 5 51199 | 30.1 | 0.2\% | 12,951.4 | 34.7 417 | 0.3\% |
| ME 4 ME 4 | 375515 | 2014 | Critical | May | - | 5,185.9 | 5,167.6 | 18.3 | ${ }^{0.4 \%}$ | 5,165.0 | 20.8 | 0.4\% | 5,159.8 | 26.0 | 0.5\% | 5,154.6 | 31.3 | 0.6\% | 5,149.4 | 36.5 | 0.7\% | 5,144.2 | ${ }^{41.7}$ | $0.8 \%$ $4.7 \%$ |
| ME4 ${ }_{\text {ME } 4}$ | 375515 375515 | 2014 | Critical Critical | June | $\cdots$ | 1,197.1 <br> 545.6 | $\underset{\text { li,172.2 }}{523.1}$ | 24.9 22.5 | ${ }_{\text {2.1\% }}^{\text {4.1\% }}$ | 1,1168.8 519.9 | 28.4 25.7 | 2.4.\% | 1,1111.8 513.5 | 35.3 <br> 32.1 | 5.9\% | 1,1,154.7 507.1 | 42.4 38.5 | 7.5\% | $1,147.8$ 500.7 | 44.9 | ${ }_{8.2 \%}$ | 1,140.8 494 | 56.3 51.3 | ${ }_{\text {9.4\% }}^{\text {9.7\% }}$ |
| ME4 | 375515 | 2014 | Critical | August | -- | 347.3 | 326.1 | 21.3 | 6.1\% | 323.0 | 24.3 | 7.0\% | 317.0 | 30.4 | 8.7\% | 310.9 | 36.4 | 10.5\% | 304.8 | 42.5 | 12.2\% | 298.8 | 48.5 | 9.4\% 14.0\% |
|  | 375515 | 2014 | Critical | September | Used in Summary Table Analysis | 2,571.3 | 2,550.6 | 20.7 | 0.8\% | 2,547.7 | 23.6 | 0.9\% | 2,541.9 | 29.4 | 1.1\% | 2,536.0 | 35.3 | 1.4\% | 2,530.1 | 41.2 | 1.6\% | 2,524.2 | 47.1 | 1.8\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  |  |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increa |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water <br> Reach) | Water Year | Water Year Type | Month | Note | Without <br> Pumping <br> (cfs) | Flow (cfs) | $\begin{aligned} & \text { Folow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) |  | Percent Difference | Flow (cfs) | $\underset{\substack{\text { Flow } \\ \text { Difference } \\ \text { (cfs) }}}{\text { cosen }}$ | Percent Difference |
| ME4 | 375515 | 2015 | Dry | October | Used in Summary Table Analysis | 11,353.0 | 11,336.9 | 16.1 | 0.1\% | 11,334.7 | 18.3 | 0.2\% | 11,330.3 | 22.7 | 0.2\% | 11,335.7 | 27.3 | 0.2\% | 11,321.4 | 31.6 | 0.3\% | 1136.7 | 36.3 | 0.3\% |
| me 4 | 375515 | 2015 | Dry | November | Used in Summary Table Analysis | 9,030.1 | 9,018.3 | 11.8 | 0.1\% | 9,016.6 | 13.5 | 0.1\% | 9,013.2 | 16.9 | 0.2\% | 9,009.7 | 20.4 | 0.2\% | 9,006.4 | 23.7 | 0.3\% | 9,002.9 | 27.2 | 0.3\% |
| ME4 | 375515 | 2015 | Dry | December - |  | 32,583.3 | 32,574.1 | 9.3 | 0.0\% | 32,571.8 | 11.6 | 0.0\% | 32,569.4 | 13.9 | 0.0\% | 32,566.0 | 17.4 | 0.1\% | 32,563.7 | 19.7 | 0.1\% | 32,560.2 | 23.1 | 0.1\% |
| ME 4 | 375515 | 2015 | Dry | January | -- | 14,572.9 | 14,563.7 | 9.3 | 0.1\% | 14,562.5 | 10.4 | 0.1\% | 14,560.2 | 12.7 | 0.1\% | 14,556.7 | 16.2 | 0.1\% | 14,554.4 | 18.5 | 0.1\% | 14,552.1 | 20.8 | 0.1\% |
| ME4 | 375515 | 2015 | Dry | February | -- | 27,221.1 | 27,213.0 | 8.1 | 0.0\% | 27,211.8 | 9.3 | 0.0\% | 27,209.5 | 11.6 | 0.0\% | 27,207.2 | 13.9 | 0.1\% | 27,204.9 | 16.2 | 0.1\% | 27,202.5 | 18.5 | 0.1\% |
| me 4 | 375515 | 2015 | Dry | March | -- | 11,567.9 | 11,560.4 | 7.5 | 0.1\% | 11,559.4 | 8.6 | 0.1\% | 11,557.3 | 10.6 | 0.1\% | 11,555.1 | 12.8 | 0.1\% | 11,553.0 | 14.9 | 0.1\% | 11,550.8 | 17.1 | 0.1\% |
| ME4 | 375515 | 2015 | Dry | April | - | 8,378.0 | 8,362.8 | 15.2 | 0.2\% | 8,360.6 | 17.4 | 0.2\% | 8,356.4 | 21.6 | 0.3\% | 8,352.0 | 26.0 | 0.3\% | 8,347.6 | 30.4 | 0.4\% | 8,343.3 | 34.7 | 0.4\% |
| me 4 | 375515 | 2015 | Dry | May | - | 1,509.0 | 1,491.1 | 17.9 | 1.2\% | 1,488.5 | 20.5 | 1.4\% | 1,483.4 | 25.6 | 1.7\% | 1,478.4 | 30.7 | 2.0\% | 1,473.3 | 35.8 | 2.4\% | 1,468.1 | 41.0 | 2.7\% |
| me4 | 375515 | 2015 | Dry | June | - | 652.3 | 629.3 | 23.0 | 3.5\% | 626.1 | 26.2 | 4.0\% | 619.6 | 32.7 | 5.0\% | 613.2 | 39.1 | 6.0\% | 606.8 | 45.5 | 7.0\% | 600.4 | 51.9 | 8.0\% |
| ME4 | 375515 | 2015 | Dry | July | - | 268.3 | 246.3 | 22.0 | 8.2\% | 243.2 | 25.2 | 9.4\% | 236.9 | 31.4 | 11.7\% | 230.6 | 37.7 | 14.1\% | 224.4 | 44.0 | 16.4\% | 218.1 | 50.2 | 18.7\% |
| me 4 | 375515 | 2015 | Dry | August | -- | 165.8 | 14.7 | 21.1 | 12.7\% | 141.7 | 24.1 | 14.6\% | 135.7 | 30.2 | 18.2\% | 129.7 | 36.2 | 21.8\% | 123.6 | 42.2 | 25.5\% | 117.6 | 48.2 | 29.1\% |
| me 4 | 375515 | 2015 | Dry | September | Used in Summary Table Analysis | 120.3 | 101.6 | 18.7 | 15.5\% | 98.9 | 21.4 | 17.8\% | 93.1 | 27.2 | 22.6\% | 87.4 | 32.9 | 27.3\% | 81.6 | 38.7 | 32.2\% | 75.9 | 44.4 | 36.9\% |
| me4 | 375515 | 2016 | Above Normal | October | Used in Summary Table Analysis | 85.8 | 69.2 | 16.5 | 19.3\% | 66.7 | 19.0 | 22.2\% | 62.1 | 23.6 | 27.6\% | 57.4 | 28.3 | 33.0\% | 52.8 | 32.9 | 38.4\% | 48.5 | 37.3 | 43.5\% |
| me4 | 375515 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,858.2 | 3,846.2 | 12.0 | 0.3\% | 3,844.3 | 13.9 | 0.4\% | 3,840.9 | 17.4 | 0.4\% | 3,837.3 | 20.9 | 0.5\% | 3,833.7 | 24.5 | 0.6\% | 3,830.1 | 28.1 | 0.7\% |
| me 4 | 375515 | 2016 | Above Normal | December - |  | 36,579.9 | 36,569.4 | 10.4 | 0.0\% | 36,567.1 | 12.7 | 0.0\% | 36,564.8 | 15.0 | 0.0\% | 36,561.3 | 18.5 | 0.1\% | 36,557.9 | 22.0 | 0.1\% | 36,555.6 | 24.3 | 0.1\% |
| me 4 | 375515 | 2016 | Above Normal | January | -- | 57,275.5 | 57,266.2 | 9.3 | 0.0\% | 57,263.9 | 11.6 | 0.0\% | 57,261.6 | 13.9 | 0.0\% | 57,258.1 | 17.4 | 0.0\% | 57,25.8 | 19.7 | 0.0\% | 57,252.3 | 23.1 | 0.0\% |
| ME 4 | 375515 | 2016 | Above Normal | February | -- | 24,261.6 | 24,253.5 | 8.1 | 0.0\% | 24,252.3 | 9.3 | 0.0\% | 24,250.0 | 11.6 | 0.0\% | 24,247.7 | 13.9 | 0.1\% | 24,245.4 | 16.2 | 0.1\% | 24,243.1 | 18.5 | 0.1\% |
| me 4 | 375515 | 2016 | Above Normal | March | -- | 41,758.1 | 41,750.0 | 8.1 | 0.0\% | 41,788.8 | 9.3 | 0.0\% | 41,766.5 | 11.6 | 0.0\% | 41,744.2 | 13.9 | 0.0\% | 41,741.9 | 16.2 | 0.0\% | 41,739.6 | 18.5 | 0.0\% |
| me4 | 375515 | 2016 | Above Normal | April | - | 18,532.4 | 18,525.5 | 6.9 | 0.0\% | 18,524.3 | 8.1 | 0.0\% | 18,522.0 | 10.4 | 0.1\% | 18,519.7 | 12.7 | 0.1\% | 18,517.4 | 15.0 | 0.1\% | 18,515.0 | 17.4 | 0.1\% |
| me 4 | 375515 | 2016 | Above Normal | May | - | 5,213.4 | 5,204.4 | 9.0 | 0.2\% | 5,203.0 | 10.4 | 0.2\% | 5,200.3 | 13.1 | 0.3\% | 5,197.7 | 15.7 | 0.3\% | 5,194.9 | 18.5 | 0.4\% | 5,192.2 | 21.2 | 0.4\% |
| me 4 | 375515 | 2016 | Above Normal | June | - | 1,508.4 | 1,490.5 | 17.9 | 1.2\% | 1,488.0 | 20.5 | 1.4\% | 1,482.9 | 25.6 | 1.7\% | 1,477.8 | 30.7 | 2.0\% | 1,472.7 | 35.8 | 2.4\% | 1,467.7 | 40.7 | 2.7\% |
| ME 4 | 375515 | 2016 | Above Normal | July | - | 821.9 | 802.4 | 19.5 | 2.4\% | 799.6 | 22.3 | 2.7\% | 794.1 | 27.8 | 3.4\% | 788.5 | 33.4 | 4.1\% | 783.0 | 38.9 | 4.7\% | 777.5 | 44.5 | 5.4\% |
| ME 4 | 375515 | 2016 | Above Normal | August | -- | 490.5 | 471.7 | 18.8 | 3.8\% | 469.0 | 21.5 | 4.4\% | 463.6 | 26.9 | 5.5\% | 458.3 | 32.2 | 6.6\% | 452.9 | 37.6 | 7.7\% | 447.5 | 43.0 | 8.8\% |
| me 4 | 375515 | 2016 | Above Normal | September | Used in Summary Table Analysis | 327.0 | 310.5 | 16.5 | 5.1\% | 307.5 | 19.5 | 6.0\% | 302.6 | 24.4 | 7.5\% | 297.5 | 29.5 | 9.0\% | 292.4 | 34.6 | 10.6\% | 287.4 | 39.6 | 12.1\% |
| ME4 | 375515 | 2017 | Wet | October | Used in Summary Table Analysis | 18,268.5 | 18,254.6 | 13.9 | 0.1\% | 18,252.3 | 16.2 | 0.1\% | 18,248.8 | 19.7 | 0.1\% | 18,245.4 | 23.1 | 0.1\% | 18,240.7 | 27.8 | 0.2\% | 18,237.3 | 31.3 | 0.2\% |
| me 4 | 375515 | 2017 | Wet | November | Used in Summary Table Analysis | 18,805.6 | 18,795.1 | 10.4 | 0.1\% | 18,794.0 | 11.6 | 0.1\% | 18,791.7 | 13.9 | 0.1\% | 18,788.2 | 17.4 | 0.1\% | 18,784.7 | 20.8 | 0.1\% | 18,782.4 | 23.1 | 0.1\% |
| me4 | 375515 | 2017 | Wet | December |  | 24,083.3 | 24,074.1 | 9.3 | 0.0\% | 24,072.9 | 10.4 | 0.0\% | 24,070.6 | 12.7 | 0.1\% | 24,068.3 | 15.0 | 0.1\% | 24,064.8 | 18.5 | 0.1\% | 24,062.5 | 20.8 | 0.1\% |
| ME4 | 375515 | 2017 | Wet | January | -- | 106,814.8 | 106,806.7 | 8.1 | 0.0\% | 106,805.6 | 9.3 | 0.0\% | 106,803.2 | 11.6 | 0.0\% | 106,800.9 | 13.9 | 0.0\% | 106,797.5 | 17.4 | 0.0\% | 106,795.1 | 19.7 | 0.0\% |
| me 4 | 375515 | 2017 | wet | February | -- | 81,788.2 | 81,780.1 | 8.1 | 0.0\% | 81,778.9 | 9.3 | 0.0\% | 81,776.6 | 11.6 | 0.0\% | 81,774.3 | 13.9 | 0.0\% | 81,772.0 | 16.2 | 0.0\% | 81,769.7 | 18.5 | 0.0\% |
| ME4 4 | 375515 | 2017 | Wet | March | -- | 27,258.1 | 27,251.2 | 6.9 | 0.0\% | 27,250.0 | 8.1 | 0.0\% | 27,247.7 | 10.4 | 0.0\% | 27,245.4 | 12.7 | 0.0\% | 27,243.1 | 15.0 | 0.1\% | 27,241.9 | 16.2 | 0.1\% |
| ME 4 | 375515 | 2017 | Wet | April | - | 22,919.0 | 22,912.0 | 6.9 | 0.0\% | 22,912.0 | 6.9 | 0.0\% | 22,909.7 | 9.3 | 0.0\% | 22,907.4 | 11.6 | 0.1\% | 22,906.3 | 12.7 | 0.1\% | 22,903.9 | 15.0 | 0.1\% |
| me4 | 375515 | 2017 | Wet | May | - | 6,272.3 | 6,263.0 | 9.4 | 0.1\% | 6,261.7 | 10.6 | 0.2\% | 6,259.0 | 13.3 | 0.2\% | 6,256.3 | 16.1 | 0.3\% | 6,253.6 | 18.8 | 0.3\% | 6,250.8 | 21.5 | 0.3\% |
| ME4 | 375515 | 2017 | Wet | June | - | 2,113,9 | 2,095.5 | 18.4 | 0.9\% | 2,092.8 | 21.1 | 1.0\% | 2,087.6 | 26.3 | 1.2\% | 2,082.4 | 31.5 | 1.5\% | 2,077.2 | 36.7 | 1.7\% | 2,072.0 | 41.9 | 2.0\% |
| me 4 | 375515 | 2017 | Wet | July | - | 932.5 | 912.8 | 19.7 | 2.1\% | 910.0 | 22.5 | 2.4\% | 904.5 | 28.1 | 3.0\% | 898.9 | 33.7 | 3.6\% | 893.3 | 39.2 | 4.2\% | 887.7 | 44.8 | 4.8\% |
| ME 4 | 375515 | 2017 | Wet | August | 兂 | 504.8 | 485.9 | 18.9 | 3.7\% | ${ }^{483.3}$ | ${ }^{21.6}$ | 4.3\% | 477.9 | 26.9 | 5.3\% | 472.5 | 32.3 | 6.4\% | 467.2 | 37.6 <br> 34.5 | 7.5\% | 461.8 | 43.0 | 8.5\% |
| ME 4 | 375515 | 2017 | Wet | September | Used in Summary Table Analysis | 321.3 | 304.1 | 17.2 | 5.4\% | 301.6 | 19.7 | 6.1\% | 296.7 | 24.6 | 7.7\% | 291.8 | 29.5 | 9.2\% | 286.9 | 34.5 | 10.7\% | 282.0 | 39.4 | 12.3\% |
| ME4 | 375515 | 2018 | Above Normal | October | Used in Summary Table Analysis | 274.2 | 260.7 | 13.5 | 4.9\% | 258.8 | 15.4 | 5.6\% | 254.9 | 19.2 | 7.0\% | 251.0 | 23.1 | 8.4\% | 247.2 | 27.0 | 9.8\% | 243.3 | 30.8 | 11.2\% |
| ME 4 | 375515 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,769.2 | 10,758.8 | 10.4 | 0.1\% | 10,757.3 | 11.9 | 0.1\% | 10,754.3 | 14.9 | 0.1\% | 10,751.3 | 17.9 | 0.2\% | 10,748.3 | 20.9 | 0.2\% | 10,744.3 | 24.0 | 0.2\% |
| me 4 | 375515 | 2018 | Above Normal | December - |  | 5,444.4 | 5,435.5 | 8.9 | 0.2\% | 5,434.3 | 10.2 | 0.2\% | 5,431.7 | 12.7 | 0.2\% | 5,429.2 | 15.3 | 0.3\% | 5,426.5 | 17.9 | 0.3\% | 5,424.0 | 20.5 | 0.4\% |
| ME4 | 375515 | 2018 | Above Normal | January | -- | 17,741.9 | 17,733.8 | 8.1 | 0.0\% | 17,732.6 | 9.3 | 0.1\% | 17,730.3 | 11.6 | 0.1\% | 17,728.0 | 13.9 | 0.1\% | $17,725.7$ <br> 78515 | 16.2 | ${ }^{0.1 \%}$ | 17,723.4 | 18.5 | ${ }^{0.1 \%}$ |
| ME4 4 | 375515 | 2018 | Above Normal | February |  | 7,596.2 | 7,589.0 | 7.2 | 0.1\% | 7,587.8 | 8.3 | 0.1\% | 7,585.8 | 10.4 | 0.1\% | 7,583.7 | 12.5 | 0.2\% | 7.581 .5 | 14.7 | 0.2\% | 7,579.4 | 16.8 | 0.2\% |
| ME 4 | 375515 <br> 37515 | 2018 | Above Normal | March | - | $20,674.8$ 32,1725 | $20,667.8$ <br> 32655 <br> 6.955 | 6.9 | 0.0\% | $20,667.8$ 326164 | 6.9 81 | 0.0\% | $20,665.5$ 32636 | ${ }^{9.3}$ | 0.0\% | 20,663.2 | 11.6 | 0.1\% | $20,660.9$ 32585 | 13.9 | ${ }^{0.1 \%}$ | $20,658.6$ 32574 | 16.2 150 | ${ }^{0.1 \%}$ |
| ME 4 | 375515 | 2018 | Above Normal | April | - | 32,172.5 | 32,165.5 | 6.9 | 0.0\% | 32,164.4 | 8.1 | 0.0\% | 32,163.2 | 9.3 | 0.0\% | 32,160.9 | 11.6 | 0.0\% | 32,158.6 | 13.9 | 0.0\% | 32,157.4 | 15.0 | 0.0\% |
| me4 | 375515 | 2018 | Above Normal | May | - | 6,987.8 | 6,973.5 | 14.4 | 0.2\% | 6,971.3 | 16.6 | 0.2\% | 6,967.4 | 20.5 | 0.3\% | 6,963.2 | 24.7 | 0.4\% | 6,959.1 | 28.7 | 0.4\% | 6,955.3 | 32.5 | 0.5\% |
| ME 4 | 375515 | 2018 | Above Normal | June | - | 1,912.8 | 1,894.3 | 18.5 | 1.0\% | 1,891.7 | 21.2 | ${ }^{1.1 \%}$ | ${ }^{1,886.5}$ | 26.4 | 1.4\% | $1,881.3$ | 31.6 | 1.7\% | 1,876.0 | 36.8 393 | 1.9\% | $1,870.7$ 7352 | 42.1 44.8 | 2.2\% |
| ME4 | 375515 | 2018 | Above Normal | July | - | 780.1 | 760.4 | 19.7 | 2.5\% | 757.6 | 22.5 | 2.9\% | 752.0 | 28.1 | 3.6\% | 746.4 | 33.7 | 4.3\% | 740.8 | 39.3 | 5.0\% | 735.2 | 44.8 | 5.7\% |
| ME4 | 375515 | 2018 | Above Normal | August | -- | 441.4 | 423.2 | 18.1 | 4.1\% | 420.6 | 20.7 | 4.7\% | 415.5 | 25.9 | 5.9\% | 410.3 | 31.0 | 7.0\% | 405.2 | 36.2 | 8.2\% | 400.0 | 41.4 | 9.4\% |
| me 4 | 375515 | 2018 | Above Normal | September | Used in Summary Table Analysis | 299.0 | 281.7 | 17.2 | 5.8\% | 279.2 | 19.7 | 6.6\% | 274.3 | 24.6 | 8.2\% | 269.4 | 29.6 | 9.9\% | 264.4 | 34.5 | 11.5\% | 259.5 | 39.4 | 13.2\% |
| me4 | 375515 | 2019 | Below Normal | October | Used in Summary Table Analysis | 207.2 | 194.0 | 13.2 | 6.4\% | 192.1 | 15.0 | 7.3\% | 188.3 | 18.9 | 9.1\% | 184.4 | 22.8 | 11.0\% | 180.8 | 26.4 | 12.8\% | 177.0 | 30.2 | 14.6\% |
| me 4 | 375515 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,699.0 | 6,598.6 | 10.4 | 0.2\% | 6,597.1 | 11.9 | 0.2\% | 6,594.1 | 14.9 | 0.2\% | 6,591.1 | 17.9 | 0.3\% | 6,588.0 | 21.1 | 0.3\% | 6,585.0 | 24.1 | 0.4\% |
| ME4 | 375515 | 2019 | Below Normal | December - |  | 14,641.2 | 14,631.9 | 9.3 | 0.1\% | 14,630.8 | 10.4 | 0.1\% | 14,628.5 | 12.7 | 0.1\% | 14,625.0 | 16.2 | 0.1\% | 14,622.7 | 18.5 | 0.1\% | 14,620.4 | 20.8 | 0.1\% |
| me 4 | 375515 | 2019 | Below Normal | January | -- | 35,169.0 | 35,160.9 | 8.1 | 0.0\% | 35,159.7 | 9.3 | 0.0\% | 35,157.4 | 11.6 | 0.0\% | 35,155.1 | 13.9 | 0.0\% | 35,152.8 | 16.2 | 0.0\% | 35,150.5 | 18.5 | 0.1\% |
| me 4 | 375515 | 2019 | Below Normal | February |  | 141,863.4 | 141,863.4 | 0.0 | 0.0\% | 141,863.4 | 0.0 | 0.0\% | 141,851.9 | 11.6 | 0.0\% | 141,851.9 | 11.6 | 0.0\% | 141,851.9 | 11.6 | 0.0\% | 141,851.9 | 11.6 | 0.0\% |
| me 4 | 375515 | 2019 | Below Normal | March | -- | 42,292.8 | 42,285.9 | 6.9 | 0.0\% | 42,285.9 | 6.9 | 0.0\% | 42,283.6 | 9.3 | 0.0\% | 42,281.3 | 11.6 | 0.0\% | 42,278.9 | 13.9 | 0.0\% | 42,276.6 | 16.2 | 0.0\% |
| ME4 | 375515 | 2019 | Below Normal | April | - | 15,265.0 | 15,258.1 | 6.9 | 0.0\% | 15,256.9 | 8.1 | ${ }^{0.1 \%}$ | 15,255.8 | 9.3 | ${ }^{0.1 \%}$ | 15,253.5 | 11.6 255 | ${ }^{0.1 \%}$ | 15,251.2 | 13.9 | 0.1\% | $15,250.0$ 168669 | 15.0 | 0.1\% |
| ME 4 | 375515 | 2019 | Below Normal | May |  | 16,901.6 | 16,886.6 | 15.0 | 0.1\% | 16,884,3 | 17.4 | 0.1\% | 16,879.6 | 22.0 | 0.1\% | 16,876.2 | 25.5 | 0.2\% | 16,871.5 | 30.1 | 0.2\% | 16,866.9 | 34.7 | 0.2\% |
| ME 4 | 375515 | 2019 | Below Normal | June | - | 4,243.2 | 4,223.1 | 20.0 | 0.5\% | 4,220.3 | 22.9 | 0.5\% | 4,214.7 | 28.5 | 0.7\% | 4,209.4 | 33.8 | 0.8\% | 4,203.9 | 39.2 | 0.9\% | 4,198.6 | 44.6 | 1.1\% |
| ME4 4 | 375515 | 2019 | Below Normal | July | - | 1,359.3 | 1,339.6 | 19.7 | 1.4\% | 1,336.7 | 22.6 | 1.7\% | 1,331.1 | 28.1 | 2.1\% | 1,325.5 | 33.8 | 2.5\% | 1,319.9 | 39.4 | 2.9\% | 1,314.2 | 45.0 | 3.3\% |
| me4 | 375515 | 2019 | Below Normal | August | -- | 594.8 | 576.1 | 18.7 | 3.1\% | 573.4 | 21.3 | 3.6\% | 568.1 | 26.6 | 4.5\% | 562.8 | 31.9 | 5.4\% | 557.5 | 37.2 | 6.3\% | 552.3 | 42.5 | 7.1\% |
| ME4 4 | 375515 | 2019 | Below Normal | September | Used in Summary Table Analysis | 461.4 350 | 444.2 | 17.2 | 3.7\% | 441.7 | 19.6 | 4.3\% | 436.8 | 24.6 18.2 | 5.3\% | 431.9 | 29.5 | ${ }_{\text {6.4\% }}^{6.1 \%}$ | 427.0 3295 | 34.4 <br> 25 | 7.5\% | 422.1 3259 | 39.3 <br> 29 | 8.5\% |
| ME 4 | 375515 | 2020 | Dry | October | Used in Summary Table Analysis | 355.0 | 342.3 | 12.7 | 3.6\% | 340.5 | 14.5 | 4.1\% | 336.9 | 18.2 | 5.1\% | 333.2 | 21.8 | 6.1\% | 329.5 | 25.5 | 7.2\% | 325.9 | 29.1 |  |
| ME 4 | 375515 | 2020 | Dry | November | Used in Summary Table Analysis | 317.5 | 3077 | 9.8 | 3.1\% | 306.2 | 11.3 | 3.5\% | 303.4 | 14.1 | 4.5\% | 300.5 13236 | 17.0 | 5.3\% | 297.7 <br> 13230.7 | 19.8 | ${ }^{6.2 \%}$ | 294.8 | 22.7 | ${ }^{7.2 \%}$ |
| ME4 ${ }_{\text {ME } 4}$ | 375515 375515 | 2020 2020 | Dry Dry | December January |  | $13,247.7$ 22,3009 | $13,239.6$ $22,292.8$ | 8.1 8.1 | 0.1\% | $13,237.3$ $22,291.7$ | 10.4 9.3 | 0.1\% | $13,235.0$ $22,289.4$ | 12.7 11.6 | 0.1\% | $13,232.6$ $22,287.0$ | 15.0 13.9 | 0.1\% | $13,230.3$ $22,284.7$ | 17.4 16.2 | 0.1\% | $13,226.9$ $22,282.4$ | 20.8 18.5 | 0.2\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  |  |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Incre |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, Surface Water Reach) | Water Year | Water Year Type | Month | Note | Without Pumping (cfs) | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference |
| me 4 | 375515 | 2020 | Dry | February | - | 7,413.8 | 7,406.5 | 7.3 | 0.1\% | 7,405.3 | 8.4 | 0.1\% | 7,403.2 | 10.5 | 0.1\% | 7,401.0 | 12.7 | 0.2\% | 7,398.8 | 14.9 | 0.2\% | 7,396.6 | 17.1 | 0.2\% |
| me 4 | 375515 | 2020 | Dry | March | - | 7,238.9 | 7,231.9 | 6.9 | 0.1\% | 7,230.9 | 8.0 | 0.1\% | 7,228.9 | 10.0 | 0.1\% | 7,226.9 | 12.0 | 0.2\% | 7,224.8 | 14.1 | 0.2\% | 7,222.7 | 16.2 | 0.2\% |
| ME4 | 375515 | 2020 | Dry | April | - | 5,477.1 | 5,462.0 | 15.0 | 0.3\% | 5,460.0 | 17.1 | 0.3\% | 5,455.6 | 21.5 | 0.4\% | 5,451.2 | 25.9 | 0.5\% | 5,446.9 | 30.2 | 0.6\% | 5,442.5 | 34.6 | 0.6\% |
| ME 4 | 375515 | 2020 | Dry | May | - | 7,369.3 | 7,351.3 | 18.1 | 0.2\% | 7,348.7 | 20.6 | 0.3\% | 7,343.5 | 25.8 | 0.4\% | 7,338.3 | 31.0 | 0.4\% | 7,333.1 | 36.2 | 0.5\% | 7,327.9 | 41.4 | 0.6\% |
| ME4 | 375515 | 2020 | Dry | June | - | 2,104.6 | 2,081.0 | 23.6 | 1.1\% | 2,077.7 | 27.0 | 1.3\% | 2,071.3 | 33.3 | 1.6\% | 2,064.9 | 39.7 | 1.9\% | 2,058.4 | 46.2 | 2.2\% | 2,052.1 | 52.5 | 2.5\% |
| me 4 | 375515 | 2020 | Dry | July | - | 795.6 | 772.7 | 22.9 | 2.9\% | 769.5 | 26.2 | 3.3\% | 762.9 | 32.7 | 4.1\% | 756.4 | 39.2 | 4.9\% | 749.9 | 45.7 | 5.7\% | 743.4 | 52.2 | 6.6\% |
| me 4 | 375515 | 2020 | Dry | August | -- | 398.3 | 375.9 | 22.4 | 5.5\% | 372.7 | 25.5 | 6.4\% | 366.3 | 31.9 | 8.0\% | 360.0 | 38.3 | 9.6\% | 353.6 | 44.7 | 11.2\% | 347.2 | 51.0 | 12.8\% |
| me 4 | 375515 | 2020 | Dry | September | Used in Summary Table Analysis | 247.8 | 228.0 | 19.8 | 8.0\% | 225.2 | 22.6 | 9.1\% | 218.7 | 29.1 | 11.7\% | 212.8 | 35.0 | 14.1\% | 206.6 | 41.1 | 16.6\% | 200.6 | 47.2 | 19.0\% |
| ME 4 | 365516 | 2000 | Above Normal | October | Used in Summary Table Analysis | 814.6 | 801.2 | 13.5 | 1.7\% | 799.2 | 15.4 | 1.9\% | 795.4 | 19.2 | 2.4\% | 791.5 | 23.1 | 2.8\% | 787.6 | 27.0 | 3.3\% | 783.7 | 30.9 | 3.8\% |
| ME4 | 365516 36516 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,093.8 | 12,083.3 | 10.4 | 0.1\% | 12,081.0 | 12.7 | 0.1\% | 12,078.7 | 15.0 | 0.1\% | 12,075.2 | 18.5 | 0.2\% | 12,071.8 | 22.0 | 0.2\% | 12,069.4 | 24.3 | 0.2\% |
| me 4 | 365516 | 2000 | Above Normal | December - |  | 10,797.9 | 10,788.8 | 9.1 | 0.1\% | 10,787.5 | 10.4 | 0.1\% | 10,784.8 | 13.1 | 0.1\% | 10,782.2 | 15.7 | 0.1\% | 10,779.4 | 18.5 | 0.2\% | 10,776.7 | 21.2 | 0.2\% |
| me 4 | 365516 | 2000 | Above Normal | January | -- | 28,534.7 | 28,526.6 | 8.1 | 0.0\% | 28,525.5 | 9.3 | 0.0\% | 28,523.1 | 11.6 | 0.0\% | 28,519.7 | 15.0 | 0.1\% | 28,517.4 | 17.4 | 0.1\% | 28,515.0 | 19.7 | 0.1\% |
| ME4 | 365516 | 2000 | Above Normal | February | - | 37,015.0 | 37,006.9 | 8.1 | 0.0\% | 37,005.8 | 9.3 | 0.0\% | 37,033.5 | 11.6 | 0.0\% | 37,001.2 | 13.9 | 0.0\% | 36,998.8 | 16.2 | 0.0\% | 36,996.5 | 18.5 | 0.1\% |
| me 4 | 365516 | 2000 | Above Normal | March | - | 18,309.0 | 18,300.9 | 8.1 | 0.0\% | 18,300.9 | 8.1 | 0.0\% | 18,298.6 | 10.4 | 0.1\% | 18,296.3 | 12.7 | 0.1\% | 18,294.0 | 15.0 | 0.1\% | 18,291.7 | 17.4 | 0.1\% |
| me 4 | 365516 | 2000 | Above Normal | April | - | 12,307.9 | 12,300.9 | 6.9 | 0.1\% | 12,300.9 | 6.9 | 0.1\% | 12,298.6 | 9.3 | 0.1\% | 12,296.3 | 11.6 | 0.1\% | 12,294.0 | 13.9 | 0.1\% | 12,292.8 | 15.0 | 0.1\% |
| me 4 | 365516 | 2000 | Above Normal | May | - | 7,089.7 | 7,074.8 | 14.9 | 0.2\% | 7,072.6 | 17.1 | 0.2\% | 7,068.3 | 21.4 | 0.3\% | 7,064.0 | 25.7 | 0.4\% | 7,059.7 | 30.0 | 0.4\% | 7,055.4 | 34.3 | 0.5\% |
| me 4 | 365516 | 2000 | Above Normal | June | - | 2,609.5 | 2,587.3 | 22.2 | 0.9\% | 2,584.0 | 25.5 | 1.0\% | 2,577.7 | 31.8 | 1.2\% | 2,571.4 | 38.1 | 1.5\% | 2,565.2 | 44.3 | 1.7\% | 2,558.8 | 50.7 | 1.9\% |
| ME 4 | 365516 | 2000 | Above Normal | July | - | 990.8 | 970.9 | 19.9 | 2.0\% | 968.0 | 22.7 | 2.3\% | 962.4 | 28.4 | 2.9\% | 956.8 | 34.0 | 3.4\% | 951.1 | 39.6 | 4.0\% | 945.5 | 45.2 | 4.6\% |
| me4 | 365516 | 2000 | Above Normal | August | -- | 520.7 | 502.2 | 18.6 | 3.6\% | 499.5 | 21.2 | 4.1\% | 494.2 | 26.5 | 5.1\% | 489.0 | 31.8 | 6.1\% | 483.7 | 37.0 | 7.1\% | 478.4 | 42.3 | 8.1\% |
| me 4 | 365516 | 2000 | Above Normal | September | Used in Summary Table Analysis | 294.3 | 277.9 | 16.3 | 5.5\% | 275.6 | 18.6 | 6.3\% | 27.9 | 23.3 | 7.9\% | 266.3 | 28.0 | 9.5\% | 261.7 | 32.6 | 11.1\% | 257.0 | 37.3 | 12.7\% |
| me 4 | 365516 | 2001 | Dry | October | Used in Summary Table Analysis | 3,809.5 | 3,796.2 | 13.3 | 0.3\% | 3,794.2 | 15.3 | 0.4\% | 3,790.4 | 19.1 | 0.5\% | 3,786.6 | 22.9 | 0.6\% | 3,782.8 | 26.7 | 0.7\% | 3,778.9 | 30.6 | 0.8\% |
| me 4 | 365516 | 2001 | Dry | November | Used in Summary Table Analysis | 6,115.0 | 6,104.4 | 10.6 | 0.2\% | 6,102.9 | 12.2 | 0.2\% | 6,099.8 | 15.3 | 0.2\% | 6,096.8 | 18.3 | 0.3\% | 6,093.6 | 21.4 | 0.4\% | 6,090.5 | 24.5 | 0.4\% |
| ME 4 | 365516 | 2001 | Dry | December - |  | 8,829.5 | $8,820.3$ | 9.3 | 0.1\% | 8,818.9 | 10.6 | 0.1\% | 8,816.2 | ${ }^{33.3}$ | 0.2\% | 8,813.5 | 16.0 | 0.2\% | 8,810.9 | 18.6 | 0.2\% | 8,808.1 | 21.4 | 0.2\% |
| me 4 | 365516 | 2001 | Dry | January | - | 12,773.1 | 12,765.0 | 8.1 | 0.1\% | 12,763.9 | 9.3 | 0.1\% | 12,761.6 | 11.6 | 0.1\% | 12,759.3 | 13.9 | 0.1\% | 12,756.9 | 16.2 | 0.1\% | 12,754.6 | 18.5 | 0.1\% |
| ME4 | 365516 | 2001 | Dry | February - | - | 17,460.6 | 17,453.7 | 6.9 | 0.0\% | 17,452.5 | 8.1 | 0.0\% | 17,450.2 | 10.4 | 0.1\% | 17,447.9 | 12.7 | 0.1\% | 17,445.6 | 15.0 | 0.1\% | 17,443,3 | 17.4 | 0.1\% |
| me 4 | 365516 | 2001 | Dry | March |  | 12,291.7 | 12,284,7 | 6.9 | 0.1\% | 12,283.6 | 8.1 | 0.1\% | 12,281.3 | 10.4 | 0.1\% | 12,278.9 | 12.7 | 0.1\% | 12,276.6 | 15.0 | 0.1\% | 12,274.3 | 17.4 | 0.1\% |
| me4 | 365516 | 2001 | Dry | April | - | 10,966.1 | 10,950.8 | 15.3 | 0.1\% | 10,948.6 | 17.5 | 0.2\% | 10,944.2 | 21.9 | 0.2\% | 10,939.7 | 26.4 | 0.2\% | 10,935.3 | 30.8 | 0.3\% | 10,930.9 | 35.2 | 0.3\% |
| ME4 | 365516 | 2001 | Dry | May | - | 2,637.0 | 2,619.0 | 18.1 | 0.7\% | 2,616.4 | 20.6 | 0.8\% | 2,611.2 | 25.8 | 1.0\% | 2,606.0 | 31.0 | 1.2\% | 2,600.8 | 36.2 | 1.4\% | 2,595.6 | 41.4 | 1.6\% |
| me 4 | 365516 | 2001 | Dry | June | - | 2,644.4 | 2,619.8 | 24.7 | 0.9\% | 2,616.2 | 28.2 | 1.1\% | 2,609.3 | 35.2 | 1.3\% | 2,602.3 | 42.1 | 1.6\% | 2,595.4 | 49.1 | 1.9\% | 2,588.4 | 56.0 | 2.1\% |
| ME4 | 365516 | 2001 | Dry | July | - | 718.2 | 695.4 | 22.8 | 3.2\% | 692.2 | 26.1 | 3.6\% | 685.7 | 32.5 | 4.5\% | 679.2 | 39.0 | 5.4\% | 672.8 | 45.4 | 6.3\% | 666.3 | 51.9 | 7.2\% |
| ME 4 | 365516 | 2001 | Dry | August | -- | 171.8 | 149.7 | 22.1 | 12.9\% | 146.5 | 25.3 | 14.7\% | 140.2 | 31.6 | 18.4\% | 133.9 | 37.9 | 22.0\% | 127.7 | 44.1 | 25.7\% | 121.4 | 50.4 | 29.4\% |
| me4 | 365516 | 2001 | Dry | September | Used in Summary Table Analysis | 94.6 | 75.0 | 19.6 | 20.7\% | 72.2 | 22.4 | 23.6\% | 66.7 | 27.9 | 29.5\% | 61.1 | 33.5 | 35.4\% | 55.5 | 39.1 | 41.3\% | 49.9 | 44.6 | 47.2\% |
| ME 4 | 365516 | 2002 | Below Normal | October | Used in Summary Table Analysis | 264.1 | 247.9 | 16.2 | 6.1\% | 245.6 | 18.5 | 7.0\% | 240.9 | 23.1 | 8.8\% | 236.3 | 27.8 | 10.5\% | 231.7 | 32.4 | 12.3\% | 227.0 | 37.1 | 14.0\% |
| me 4 | 365516 | 2002 | Below Normal | November | Used in Summary Table Analysis | 12,013.9 | 12,001.2 | 12.7 | 0.1\% | 11,998.8 | 15.0 | 0.1\% | 11,995.4 | 18.5 | 0.2\% | 11,991.9 | 22.0 | 0.2\% | 11,988.4 | 25.5 | 0.2\% | 11,985.0 | 28.9 | 0.2\% |
| ME4 4 | ${ }^{365556}$ | 2002 | Below Normal | December - | -- | 35,645.8 | 35,634.3 | 11.6 | 0.0\% | 35,633.1 | 12.7 | 0.0\% | 35,629.6 | 16.2 | 0.0\% | 35,626.2 | 19.7 | 0.1\% | 35,622.7 | ${ }^{23.1}$ | 0.1\% | 35,619.2 | 26.6 | 0.1\% |
| ME4 4 | 365516 | 2002 | Below Normal | January |  | 30,854.2 | 30,843.8 | 10.4 | 0.0\% | 30,842.6 | 11.6 | 0.0\% | 30,840.3 | 13.9 | 0.0\% | 30,836.8 | 17.4 | 0.1\% | 30,834.5 | 19.7 | 0.1\% | 30,831.0 | ${ }^{23.1}$ | 0.1\% |
| ME 4 | 365516 365516 | 2002 | Below Normal | February | - | $24,663.2$ <br> 17,785 | $24,653.9$ 17559 | 9.3 | 0.0\% | $24,652.8$ 27588 17 | 10.4 | 0.0\% | $24,650.5$ <br> 17,758 | 12.7 | ${ }^{0.1 \%}$ | $24,648.1$ <br> 177535 | 15.0 | ${ }^{0.1 \%}$ | $24,644.7$ 17,7512 | 18.5 17.4 | ${ }^{0.1 \%}$ | $24,642.4$ 177488 | 20.8 | 0.1\% |
| ME 4 | 365516 | 2002 | Below Normal | March | - | 17,768.5 | 17,759.3 | 9.3 | 0.1\% | 17,758.1 | 10.4 | 0.1\% | 17,755.8 | 12.7 | 0.1\% | 17,753.5 | 15.0 | 0.1\% | 17,751.2 | 17.4 | 0.1\% | 17,748.8 | 19.7 | 0.1\% |
| me 4 | 365516 | 2002 | Below Normal | April | - | 9,920.8 | 9,905.4 | 15.4 | 0.2\% | 9,903.2 | 17.6 | 0.2\% | 9,898.8 | 22.0 | 0.2\% | 9,894.4 | 26.4 | 0.3\% | 9,890.2 | 30.7 | 0.3\% | 9,885.6 | 35.2 | 0.4\% |
| ME 4 | 365516 36516 | 2002 | Below Normal | May | - | 3,317.9 | 3,299.9 | 18.1 | 0.5\% | 3,297.2 | 20.7 | 0.6\% | 3,292.0 | 25.9 | 0.8\% | 3,286.9 | 31.0 | 0.9\% | 3,281.7 | 36.2 | 1.1\% | 3,276.5 | 41.4 | ${ }^{1.2 \%}$ |
| ME4 4 | 365516 | 2002 | Below Normal | June | - | 853.3 | 832.8 | 20.4 | 2.4\% | 829.9 | 23.3 | 2.7\% | 824.1 | 29.1 | 3.4\% | 818.4 | 34.9 | 4.1\% | 812.5 | 40.7 | 4.8\% | 806.8 | 46.5 | 5.4\% |
| ME4 4 | 365516 | 2002 | Below Normal | July | - | 361.7 | 341.2 | 20.5 | 5.7\% | 338.3 | 23.4 | ${ }_{\text {6.5\% }}$ | 332.4 1889 | 29.3 | 8.1\% | 326.6 <br> 1934 <br> 18.4 | 35.1 328 | 9.7\% | 320.8 <br> 1880 | 40.9 38.2 | $11.3 \%$ $16.9 \%$ | 314.9 <br> 182.5 | 46.7 43.7 | 12.9\% $19.3 \%$ |
| ME 4 | 365516 | 2002 | Below Normal | August | -- | 226.2 | 207.0 | 19.1 | 8.5\% | 204.3 | 21.9 | 9.7\% | 198.9 | 27.3 | 12.1\% | 193.4 | 32.8 | 14.5\% | 188.0 | 38.2 | 16.9\% | 182.5 | 43.7 | 19.3\% |
| me4 | 365516 | 2002 | Below Normal | September | Used in Summary Table Analysis | 163.0 | 145.1 | 18.0 | 11.0\% | 142.5 | 20.5 | 12.6\% | 137.4 | 25.6 | 15.7\% | 132.3 | 30.8 | 18.9\% | 127.1 | 35.9 | 22.0\% | 122.0 | 41.0 | 25.2\% |
| ME 4 | 365516 | 2003 | Wet | October | Used in Summary Table Analysis | 128.0 | 113.5 | 14.5 | 11.3\% | 111.5 | 16.6 | 13.0\% | 107.3 | 20.8 | 16.2\% | 103.1 | 24.9 | 19.5\% | 98.9 | 29.1 | 22.7\% | 94.7 8685 | 33.3 <br> 265 | $\substack{26.0 \% \\ 3.0 \%}$ |
| ME 4 | 365516 | 2003 | Wet | November | Used in Summary Table Analysis | 895.0 | 883.5 | 11.5 | 1.3\% | 881.8 | 13.2 | 1.5\% | 878.5 | 16.5 | 1.8\% | 875.1 | 19.9 | 2.2\% | 871.9 | 23.1 | 2.6\% | 868.5 | 26.5 | $3.0 \%$ $0.0 \%$ 0.0 |
| ME4 4 | ${ }^{3655516}$ | 2003 | Wet | December | - | $56,730.3$ 315127 | $56,719.9$ 31,503 | 10.4 | 0.0\% | $56,718.8$ 31,5023 | 11.6 | 0.0\% | $56,716.4$ 31,500 | 13.9 | 0.0\% | $56,713.0$ $\mathbf{3 1 / 4 9 5}$ | 17.4 | 0.0\% $0.1 \%$ | $56,799.5$ 31.494 .2 | 20.8 18.5 | 0.0\% $0.1 \%$ | $56,707.2$ 31.491 .9 | $\begin{array}{r}23.1 \\ 20.8 \\ \hline 1\end{array}$ | 0.0\% $0.1 \%$ 0 |
| ME 4 ME 4 | 365516 365516 | 2003 2003 | Wet Wet | ${ }_{\text {January }}^{\text {February }}$ |  | $31,512.7$ 20,34.8 | $31,503.5$ $20,335.6$ | 9.3 8.1 | 0.0\% 0.0\% | $31,502.3$ $20,33.5$ | ${ }_{9.3}^{10.4}$ | 0.0\% | $31,500.0$ $20,332.2$ | 12.7 11.6 | 0.0\% | $31,496.5$ $20,329.9$ | 16.2 13.9 | 0.1\% | $31,494.2$ $20,327.5$ | 18.5 16.2 | 0.1\% | $31,491.9$ $20,35.2$ | 20.8 18.5 | 0.1\% |
| me 4 | 365516 | 2003 | Wet | March | -- | 24,018.5 | 24,010.4 | 8.1 | 0.0\% | 24,010.4 | 8.1 | 0.0\% | 24,008.1 | 10.4 | 0.0\% | 24,005.8 | 12.7 | 0.1\% | 24,003.5 | 15.0 | 0.1\% | 24,001.2 | 17.4 | 0.1\% |
| me 4 | 365516 | 2003 | Wet | April | - | 42,876.2 | 42,869.2 | 6.9 | 0.0\% | 42,868.1 | 8.1 | 0.0\% | 42,865.7 | 10.4 | 0.0\% | 42,863,4 | 12.7 | 0.0\% | 42,861.1 | 15.0 | 0.0\% | 42,858.8 | 17.4 | 0.0\% |
| me 4 | 365516 | 2003 | Wet | May | - | 12,219.9 | 12,203.7 | 16.2 | 0.1\% | 12,201.4 | 18.5 | 0.2\% | 12,197.9 | 22.0 | 0.2\% | 12,193,3 | 26.6 | 0.2\% | 12,188.7 | 31.3 | 0.3\% | 12,184.0 | 35.9 | 0.3\% |
| me 4 | 365516 | 2003 | Wet | June | - | 3,165.5 | 3,145.7 | 19.8 | 0.6\% | 3,142.9 | 22.6 | 0.7\% | 3,137.4 | 28.1 | 0.9\% | 3,131.9 | 33.6 | 1.1\% | 3,126.5 | 39.0 | 1.2\% | 3,120.9 | 44.6 | 1.4\% |
| me 4 | 365516 | 2003 | Wet | July | - | 1,472.9 | 1,452.5 | 20.4 | 1.4\% | 1,449.7 | 23.3 | 1.6\% | 1,443.9 | 29.1 | 2.0\% | 1,438.1 | 34.8 | 2.4\% | 1,432.3 | 40.6 | 2.8\% | 1,426.5 | 46.4 | 3.2\% |
| ME 4 | 365516 | 2003 | Wet | August | -- | 758.9 | 739.4 | 19.6 | 2.6\% | 736.5 | 22.4 | 3.0\% | 730.9 | 28.0 | 3.7\% | 725.3 | 33.6 | 4.4\% | 719.8 | 39.2 | 5.2\% | 714.0 | 44.9 | 5.9\% |
| ME 4 | 365516 | 2003 | Wet | September | Used in Summary Table Analysis | 456.9 | 440.3 | 16.6 | 3.6\% | 437.9 | 19.0 | 4.1\% | 433.2 | 23.7 | 5.2\% | 428.5 | 28.4 | 6.2\% | 423.8 | ${ }^{33.1}$ | 7.2\% | 419.0 | 37.9 | 8.3\% |
| me4 | 365516 | 2004 | wet | October | Used in Summary Table Analysis | 323.9 | 310.3 | 13.6 | 4.2\% | 308.4 | 15.5 | 4.8\% | 304.5 | 19.4 | 6.0\% | 300.6 | 23.3 | 7.2\% | 296.7 | 27.2 | 8.4\% | 292.8 | 31.1 | 9.6\% |
| me 4 | 365516 | 2004 | Wet | November | Used in Summary Table Analysis | 5,794.2 | 5,783.3 | 10.9 | 0.2\% | 5,781.8 | 12.4 | 0.2\% | 5,778.6 | 15.6 | 0.3\% | $\begin{array}{r}5,775.5 \\ \hline 3,258\end{array}$ | 18.8 | 0.3\% | 5,772.3 | 21.9 | ${ }^{0.4 \%}$ | 5,769.1 | 25.1 | 0.4\% |
| me4 | 365516 | 2004 | Wet | December - | -- | 36,273.1 | 36,262.7 | 10.4 | 0.0\% | 36,261.6 | 11.6 | 0.0\% | 36,259.3 | 13.9 | 0.0\% | 36,255.8 | 17.4 | 0.0\% | 36,253.5 | 19.7 | 0.1\% | 36,250.0 | 23.1 | 0.1\% |
| ME 4 | 365516 | 2004 | Wet | January | - | 31,447.9 | 31,439.8 | 8.1 | 0.0\% | 31,438.7 | 9.3 | 0.0\% | $31,436.3$ 38,2003 | 11.6 | 0.0\% | $31,434.0$ 38,1979 | 13.9 | 0.0\% | $31,431.7$ <br> 38,195 <br> 16546 | 16.2 | 0.1\% | $31,429.4$ 38293 | 18.5 185 | 0.1\% |
| ME 4 | 365516 | 2004 | Wet | February |  | 38,211.8 | 38,203.7 | 8.1 | 0.0\% | 38,202.5 | 9.3 | 0.0\% | 38,200.2 | 11.6 | 0.0\% | 38,197.9 | 13.9 | 0.0\% | 38,195.6 | 16.2 | 0.0\% | 38,193.3 | 18.5 | 0.0\% |
| ME 4 | 365516 | 2004 | Wet | March | - | 16,519.7 | 16,512.7 | ${ }_{6}^{6.9}$ | 0.0\% | 16,511.6 | 8.1 | ${ }^{0.0 \%}$ | 16,509.3 | 10.4 | ${ }^{0.1 \%}$ | 16,506.9 | 12.7 | ${ }^{0.1 \%}$ | 16,504.6 | 15.0 | 0.1\% | 16,502.3 | 17.4 | 0.1\% |
| ME4 | 365516 365516 | 2004 | Wet Wet | April May | $\cdots$ | 9,447.1 $3,417.4$ | 9,440.2 $3,402.3$ | 6.9 15.0 | 0.1\% | 9,439,.1 $3,400.1$ | 8.0 17.2 | 0.15\% | 9,437.0 $3,395.8$ | 10.1 21.5 | 0.1\%\% | 9,435.1 $3,391.6$ | 12.0 25.8 | 0.18\% | 9,432.9 $3,387.3$ | 14.2 30.1 | 0.2\% | 9,430.9 $3,882.9$ | 16.2 34.5 | 0.2\% 1.0\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
EER River Valley Groundwater sustainability Plan
Humboldt County Groundate Susan

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \& \& \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Water Year Water Year T}} \& \multirow[b]{2}{*}{Month} \& \& \multirow[b]{2}{*}{Flow
without Pumping (cfs)} \& \multicolumn{3}{|c|}{75\% Pumping Increase} \& \multicolumn{3}{|c|}{ing} \& \multicolumn{3}{|c|}{150\% Pumping Increase} \& \multicolumn{3}{|c|}{200\% Pumping Increase} \& \multicolumn{3}{|c|}{250\% Pumping Increase} \& \multicolumn{3}{|c|}{300\% Pumping Increase} \\
\hline Surface Water Depletion Area Area of Interes \& \begin{tabular}{l}
(Row, Column, \\
Surface Water Reach)
\end{tabular} \& \& \& \& Note \& \& Flow (ffs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (ffs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cffs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) } \\
\hline
\end{gathered}
\] \& Percent
Difference \\
\hline ME 4 \& 365516 \& 2004 \& Wet \& June \& - \& 691.3 \& 672.5 \& 18.8 \& 2.7\% \& 669.8 \& 21.5 \& 3.1\% \& 664.5 \& 26.9 \& 3.9\% \& 659.1 \& 32.2 \& 4.7\% \& 653.8 \& 37.5 \& 5.4\% \& 648.5 \& 42.9 \& 6.2\% \\
\hline ME 4 \& 365516 \& 2004 \& Wet \& July \& - \& 355.2 \& 335.3 \& 20.0 \& 5.6\% \& 332.4 \& 22.8 \& 6.4\% \& 326.7 \& 28.5 \& 8.0\% \& 321.0 \& 34.2 \& 9.6\% \& 315.3 \& 39.9 \& 11.2\% \& 309.7 \& 45.6 \& 12.8\% \\
\hline ME 4 \& 365516 \& 2004 \& Wet \& August \& -- \& 224.3 \& 205.6 \& 18.7 \& 8.3\% \& 202.9 \& 21.4 \& 9.5\% \& 197.6 \& 26.7 \& 11.9\% \& 192.3 \& \({ }^{32.0}\) \& 14.3\% \& 186.9 \& 37.4 \& 16.7\% \& 181.6 \& \({ }^{42.7}\) \& 19.0\% \\
\hline me 4 \& 365516 \& 2004 \& Wet \& September \& Used in Summary Table Analysis \& 161.4 \& 143.8 \& 17.6 \& 10.9\% \& 141.3 \& 20.2 \& 12.5\% \& 136.2 \& 25.2 \& 15.6\% \& 131.2 \& 30.3 \& 18.7\% \& 126.1 \& 35.3 \& 21.9\% \& 121.1 \& 40.4 \& 25.0\% \\
\hline ME4 \& 365516 \& 2005 \& Above Normal \& October \& Used in Summary Table Analysis \& 7,671.2 \& 7,657.3 \& 13.9 \& 0.2\% \& 7,655.3 \& 15.9 \& 0.2\% \& 7,651.4 \& 19.8 \& 0.3\% \& 7,647.5 \& 23.7 \& 0.3\% \& 7,643.4 \& 27.8 \& 0.4\% \& 7,639.5 \& 31.7 \& 0.4\% \\
\hline ME4 \& 365516 \& 2005 \& Above Normal \& November \& Used in Summary Table Analysis \& 2,255.4 \& 2,244.6 \& 10.9 \& 0.5\% \& 2,243.1 \& 12.4 \& 0.5\% \& 2,239.9 \& 15.5 \& 0.7\% \& 2,236.8 \& 18.6 \& 0.8\% \& 2,233.7 \& 21.8 \& 1.0\% \& 2,230.6 \& 24.9 \& 1.1\% \\
\hline ME 4 \& 365516 \& 2005 \& Above Normal \& December \& - \& 20,995.4 \& 20,986,1 \& 9.3 \& 0.0\% \& 20,985.0 \& 10.4 \& 0.0\% \& 20,982.6 \& 12.7 \& 0.1\% \& 20,999.2 \& 16.2 \& 0.1\% \& 20,976.9 \& 18.5 \& 0.1\% \& 20,974.5 \& 20.8 \& 0.1\% \\
\hline ME4 \& 365516 \& 2005 \& Above Normal \& January \& - \& 22,361.1 \& 22,353.0 \& 8.1 \& 0.0\% \& 22,350.7 \& 10.4 \& 0.0\% \& 22,348.4 \& 12.7 \& 0.1\% \& 22,346.1 \& 15.0 \& 0.1\% \& 22,343.8 \& 17.4 \& 0.1\% \& 22,341.4 \& 19.7 \& 0.1\% \\
\hline me 4 \& 365516 \& 2005 \& Above Normal \& February \& -- \& 14,006.9 \& 14,000.0 \& 6.9 \& 0.0\% \& 13,998.8 \& 8.1 \& 0.1\% \& 13,996.5 \& 10.4 \& 0.1\% \& 13,994.2 \& 12.7 \& 0.1\% \& 13,991.9 \& 15.0 \& 0.1\% \& 13,989.6 \& 17.4 \& 0.1\% \\
\hline ME4 \& 365516 \& 2005 \& Above Normal \& March \& - \& 28,548.6 \& 28,541.7 \& 6.9 \& 0.0\% \& 28,540.5 \& 8.1 \& 0.0\% \& 28,538.2 \& 10.4 \& 0.0\% \& 28,535.9 \& 12.7 \& 0.0\% \& 28,533.6 \& 15.0 \& 0.1\% \& 28,532.4 \& 16.2 \& 0.1\% \\
\hline me 4 \& 365516 \& 2005 \& Above Normal \& April \& - \& 21,434.0 \& 21,425.9 \& 8.1 \& 0.0\% \& 21,425.9 \& 8.1 \& 0.0\% \& 21,423.6 \& 10.4 \& 0.0\% \& 21,421.3 \& 12.7 \& 0.1\% \& 21,419.0 \& 15.0 \& 0.1\% \& 21,416.7 \& 17.4 \& 0.1\% \\
\hline ME 4 \& 365516 \& 2005 \& Above Normal \& May \& - \& 19,555.6 \& 19,540.5 \& 15.0 \& 0.1\% \& 19,538.2 \& 17.4 \& 0.1\% \& 19,533.6 \& 22.0 \& 0.1\% \& 19,528.9 \& 26.6 \& 0.1\% \& 19,525.5 \& 30.1 \& 0.2\% \& 19,520.8 \& 34.7 \& 0.2\% \\
\hline ME4 \& 365516 \& 2005 \& Above Normal \& June \& - \& 15,85.3 \& 15,832.2 \& 23.1 \& 0.1\% \& 15,828.7 \& 26.6 \& 0.2\% \& 15,821.8 \& \({ }^{33.6}\) \& 0.2\% \& 15,816.0 \& 39.4 \& 0.2\% \& 15,809.0 \& 46.3 \& 0.3\% \& 15,803.2 \& 52.1 \& 0.3\% \\
\hline me 4 \& 365516 \& 2005 \& Above Normal \& July \& - \& 2,864.0 \& 2,843.3 \& 20.7 \& 0.7\% \& 2,840.3 \& 23.7 \& 0.8\% \& 2,834.4 \& 29.6 \& 1.0\% \& 2,828.5 \& 35.5 \& 1.2\% \& 2,822.7 \& 41.3 \& 1.4\% \& 2,816.8 \& 47.2 \& 1.6\% \\
\hline ME4 \& 365516 \& 2005 \& Above Normal \& August \& - \& 981.8 \& 963.1 \& 18.6 \& 1.9\% \& 960.5 \& 21.3 \& 2.2\% \& 955.2 \& 26.6 \& 2.7\% \& 949.9 \& 31.9 \& 3.3\% \& 944.6 \& 37.2 \& 3.8\% \& 9393 \& 42.5 \& 4.3\% \\
\hline me 4 \& 365516 \& 2005 \& Above Normal \& September \& Used in Summary Table Analysis \& 523.3 \& 507.0 \& 16.3 \& 3.1\% \& 504.7 \& 18.7 \& 3.6\% \& 500.0 \& 23.3 \& 4.5\% \& 495.3 \& 28.0 \& 5.4\% \& 490.7 \& 32.7 \& 6.2\% \& 486.0 \& 37.3 \& 7.1\% \\
\hline ME 4 \& 365516 \& 2006 \& Wet \& October \& Used in Summary Table Analysis \& 632.9 \& 619.8 \& 13.1 \& 2.1\% \& 618.0 \& 15.0 \& 2.4\% \& 614.2 \& 18.8 \& 3.0\% \& 610.4 \& 22.5 \& 3.6\% \& 606.7 \& 26.3 \& 4.1\% \& 602.9 \& 30 \& 4.7\% \\
\hline ME4 \& 365516 \& 2006 \& Wet \& November \& Used in Summary Table Analysis \& 9,291.6 \& \({ }^{9,281.3}\) \& 10.3 \& 0.1\% \& 9,279.9 \& 11.7 \& 0.1\% \& 9,276.9 \& 14.7 \& 0.2\% \& 9,273.8 \& 17.7 \& 0.2\% \& \({ }^{9,270.9}\) \& 20.6
185 \& 0.2\% \& \({ }^{9,267.9}\) \& \({ }^{23.6}\) \& 0.3\% \\
\hline me 4 \& 365516 \& 2006 \& Wet \& December \& \& 43,451.4 \& 43,442.1 \& 9.3 \& 0.0\% \& 43,441.0 \& 10.4 \& 0.0\% \& 43,438.7 \& 12.7 \& 0.0\% \& 43,436.3 \& 15.0 \& 0.0\% \& 43,432.9 \& 18.5 \& 0.0\% \& 43,430.6 \& 20.8 \& 0.0\% \\
\hline ME4 \& 365516 \& 2006 \& Wet \& January \& - \& 46,256.9 \& 46,248.8 \& 8.1 \& 0.0\% \& 46,246.5 \& 10.4 \& 0.0\% \& 46,244.2 \& 12.7 \& 0.0\% \& 46,241.9 \& 15.0 \& 0.0\% \& 46,239.6 \& 17.4 \& 0.0\% \& 46,237.3 \& 19.7 \& 0.0\% \\
\hline me4 \& 365516 \& 2006 \& Wet \& February \& - \& 26,601.9 \& 26,593.8 \& 8.1 \& 0.0\% \& 26,592.6 \& 9.3 \& 0.0\% \& 26,590.3 \& 11.6 \& 0.0\% \& 26,588.0 \& 13.9 \& 0.1\% \& 26,586.8 \& 15.0 \& 0.1\% \& 26,584.5 \& 17.4 \& 0.1\% \\
\hline me4 \& 365516 \& 2006 \& Wet \& March \& - \& 47,126.2 \& 47,118.1 \& 8.1 \& 0.0\% \& 47,118.1 \& 8.1 \& 0.0\% \& 47,115.7 \& 10.4 \& 0.0\% \& 47,113,4 \& 12.7 \& 0.0\% \& 47,111.1 \& 15.0 \& 0.0\% \& 47,108.8 \& 17.4 \& 0.0\% \\
\hline ME4 \& 365516 \& 2006 \& Wet \& April \& - \& 30,415.5 \& 30,488.6 \& 6.9 \& 0.0\% \& 30,408.6 \& \({ }^{6.9}\) \& 0.0\% \& 30,406.3 \& 9.3 \& 0.0\% \& 30,403.9 \& 11.6 \& 0.0\% \& 30,401.6 \& 13.9 \& 0.0\% \& 30,400.5 \& 15.0 \& 0.0\% \\
\hline me 4 \& 365516 \& 2006 \& wet \& May \& - \& 14,200.2 \& 14,191.0 \& 9.3 \& 0.1\% \& 14,189.8 \& 10.4 \& 0.1\% \& 14,187.5 \& 12.7 \& 0.1\% \& 14,184.0 \& 16.2 \& 0.1\% \& 14,181.7 \& 18.5 \& 0.1\% \& 14,179.4 \& 20.8 \& 0.1\% \\
\hline ME4 \& 365516 \& 2006 \& Wet \& June \& - \& 3,546.8 \& 3,528.0 \& 18.8 \& 0.5\% \& 3,525.2 \& 21.5 \& 0.6\% \& 3,519.9 \& 26.9 \& 0.8\% \& 3,514.6 \& 32.2 \& 0.9\% \& 3,509.3 \& 37.5 \& 1.1\% \& 3,504.1 \& 42.7 \& 1.2\% \\
\hline me 4 \& 365516 \& 2006 \& Wet \& July \& - \& 1,277.8 \& 1,258.1 \& 19.7 \& 1.5\% \& 1,255.2 \& 22.6 \& 1.8\% \& 1,249.7 \& 28.1 \& 2.2\% \& 1,244.0 \& 33.8 \& 2.6\% \& 1,238.4 \& 39.4 \& 3.1\% \& 1,232.9 \& 44.9 \& 3.5\% \\
\hline ME 4 \& 365516 \& 2006 \& Wet \& August \& -- \& 663.9 \& 644.8 \& 19.1 \& 2.9\% \& 642.1 \& 21.8 \& 3.3\% \& 636.7 \& 27.2 \& 4.1\% \& 631.3 \& 32.6 \& 4.9\% \& 625.9 \& 38.0 \& 5.7\% \& 620.5 \& 43. \& 6.5\% \\
\hline ME4 \& 365516 \& 2006 \& Wet \& September \& Used in Summary Table Analysis \& 424.9 \& 408.4 \& 16.6 \& 3.9\% \& 406.0 \& 18.9 \& 4.4\% \& 401.3 \& 23.6 \& 5.6\% \& 396.6 \& 28.3 \& 6.7\% \& 391.9 \& 33.0 \& 7.8\% \& 387.2 \& 37.7 \& 8.9\% \\
\hline ME 4 \& 365516 \& 2007 \& Above Normal \& October \& Used in Summary Table Analysis \& 273.4 \& 260.1 \& 13.3 \& 4.9\% \& 258.2 \& 15.2 \& 5.6\% \& 254.4 \& 19.0 \& 7.0\% \& 250.6 \& 22.8 \& 8.4\% \& 246.7 \& 26.7 \& 9.8\% \& 242.9 \& 30.5 \& 11.2\% \\
\hline me 4 \& 365516 \& 2007 \& Above Normal \& November \& Used in Summary Table Analysis \& 8,653.9 \& 8,643.3 \& 10.6 \& 0.1\% \& 8,641.8 \& 12.2 \& 0.1\% \& 8,638.7 \& 15.3 \& 0.2\% \& 8,635.5 \& 18.4 \& 0.2\% \& 8,632.5 \& 21.4 \& 0.2\% \& 8,629.4 \& 24.5 \& 0.3\% \\
\hline ME4 \& 365516 \& 2007 \& Above Normal \& December \& \& 20,385.4 \& 20,376.2 \& 9.3 \& 0.0\% \& 20,375.0 \& 10.4 \& 0.1\% \& 20,371.5 \& 13.9 \& 0.1\% \& 20,369.2 \& 16.2 \& 0.1\% \& 20,365.7 \& 19.7 \& 0.1\% \& 20,363.4 \& 22.0 \& 0.1\% \\
\hline me 4 \& 365516 \& 2007 \& Above Normal \& January \& - \& 10,245.1 \& 10,236.7 \& 8.4 \& 0.1\% \& 10,235.5 \& 9.6 \& 0.1\% \& 10,233.1 \& 12.0 \& 0.1\% \& 10,230.7 \& 14.5 \& 0.1\% \& 10,228.2 \& 16.9 \& 0.2\% \& 10,225.7 \& 19.4 \& 0.2\% \\
\hline ME4 4 \& 365516 \& 2007 \& Above Normal \& February \& - \& 30,544.0 \& 30,535.9 \& 8.1 \& 0.0\% \& 30,534.7 \& 9.3 \& 0.0\% \& 30,532.4 \& 11.6 \& 0.0\% \& 30,530.1 \& 13.9 \& 0.0\% \& 30,527.8 \& 16.2 \& 0.1\% \& 30,524.3 \& 19.7 \& 0.1\% \\
\hline ME 4 \& 365516 \& 2007 \& Above Normal \& March \& - \& 13,097.2 \& 13,089.1 \& 8.1 \& 0.1\% \& 13,089.1 \& 8.1 \& 0.1\% \& 13,086.8 \& 10.4 \& 0.1\% \& 13,084.5 \& 12.7 \& 0.1\% \& 13,082.2 \& 15.0 \& 0.1\% \& 13,079.9 \& 17.4 \& 0.1\% \\
\hline ME4 \& 365516
36516 \& 2007 \& Above Normal \& April \& - \& 11,530.1 \& 11,515.3 \& 14.8 \& 0.1\% \& \({ }^{11,51312}\) \& 16.9 \& 0.1\% \& 11,509.0 \& 21.1
25.1 \& 0.2\% \& 11,504.7 \& \({ }^{25.3}\) \& \({ }^{0.2 \%}\) \& \begin{tabular}{l}
\(11,500.5\) \\
4 \\
\hline 1025
\end{tabular} \& 29.6 \& 0.3\% \& 11,496.3 \& \({ }^{33.8}\) \& \({ }^{0.3 \%}\) \\
\hline ME4 \& 365516 \& 2007 \& Above Normal \& May \& - \& 4,138.0 \& 4,120.4 \& 17.6 \& 0.4\% \& 4,117.9 \& 20.0 \& 0.5\% \& 4,112.8 \& 25.1 \& 0.6\% \& 4,107.9 \& 30.1 \& 0.7\% \& 4,102.8 \& 35.2 \& 0.9\% \& 4,097.8 \& 40.2 \& 1.0\% \\
\hline me 4 \& 365516 \& 2007 \& Above Normal \& June \& - \& 1,497.2 \& 1,476.2 \& 21.1 \& 1.4\% \& 1,473.1 \& 24.1 \& 1.6\% \& 1,467.2 \& 30.0 \& 2.0\% \& 1,461.2 \& 36.0 \& 2.4\% \& 1,455.3 \& 41.9 \& 2.8\% \& 1,449.4 \& 47.8 \& 3.2\% \\
\hline ME4 4 \& 365516 \& 2007 \& Above Normal \& July \& - \& 495.5 \& 474.5 \& 21.0 \& 4.2\% \& 471.5 \& 23.9 \& 4.8\% \& 465.6 \& 29.9 \& 6.0\% \& 459.7 \& 35.8 \& 7.2\% \& 453.7 \& 41.7 \& 8.4\% \& 447.8 \& 47.7 \& 9.6\% \\
\hline ME 4 \& 365516 \& 2007 \& Above Normal \& August \& -- \& 222.2 \& 203.4 \& 18.7 \& 8.4\% \& 200.8 \& 21.4 \& 9.6\% \& 195.5 \& 26.7 \& 12.0\% \& 190.1 \& 32.1 \& 14.4\% \& 184.8 \& 37.4 \& 16.8\% \& 179.5 \& 42.7 \& 19.2\% \\
\hline ME4 \& 365516 \& 2007 \& Above Normal \& September \& Used in Summary Table Analysis \& 149.8 \& 132.2 \& 17.6 \& 11.8\% \& 129.7 \& 20.1 \& 13.4\% \& 124.7 \& 25.2 \& 16.8\% \& 119.7 \& 30.2 \& 20.1\% \& 114.7 \& 35.2 \& 23.5\% \& 109.6 \& 40.2 \& 26.8\% \\
\hline ME4 \& 365516 \& 2008 \& Dry \& October \& Used in Summary Table Analysis \& 3,429.2 \& 3,415.0 \& 14.1 \& 0.4\% \& 3,413.0 \& 16.2 \& 0.5\% \& 3,408.9 \& 20.3 \& 0.6\% \& 3,404.9 \& 24.3 \& 0.7\% \& 3,400.8 \& 28.4 \& 0.8\% \& 3,396.8 \& 32.4 \& 0.9\% \\
\hline ME 4 \& 365516 \& 2008 \& Dry \& November \& Used in Summary Table Analysis \& 3,270.7 \& 3,259.7 \& 11.0 \& 0.3\% \& 3,258.2 \& 12.5 \& 0.4\% \& 3,255.1 \& 15.6 \& 0.5\% \& 3,252.0 \& 18.8 \& 0.6\% \& 3,248.7 \& 22.0 \& 0.7\% \& 3,245.6 \& 25.1 \& 0.8\% \\
\hline ME4 4 \& 365516 \& 2008 \& Dry \& December \& -- \& 23,093.8 \& 23,084.5 \& 9.3 \& 0.0\% \& 23,083.3 \& 10.4 \& 0.0\% \& 23,079.9 \& 13.9 \& 0.1\% \& 23,077.5 \& 16.2 \& 0.1\% \& 23,074.1 \& 19.7 \& 0.1\% \& 23,071.8 \& 22.0 \& 0.1\% \\
\hline ME4 4 \& 365516 \& 2008 \& Dry \& January \& - \& 37,500.0 \& 37,490.7 \& 9.3 \& 0.0\% \& 37,489.6 \& 10.4 \& 0.0\% \& 37,487.3 \& 12.7 \& 0.0\% \& 37,485.0 \& 15.0 \& 0.0\% \& 37,482.6 \& 17.4 \& 0.0\% \& 37,479.2 \& 20.8 \& 0.1\% \\
\hline ME4 \& 365516
36516 \& 2008 \& Dry \& February \& - \& 26,263.9 \& 26,255.8 \& 8.1 \& 0.0\% \& 26,254.6 \& 9.3 \& 0.0\% \& 26,252.3 \& 11.6 \& 0.0\% \& 26,250.0 \& 13.9 \& \({ }^{0.1 \%}\) \& \(26,247.7\)
11776.6 \& 16.2 \& \({ }^{0.1 \%}\) \& 26,245.4 \& 18.5 \& 0.1\% \\
\hline ME4 4 \& 365516 \& 2008 \& Dry \& March \& - \& 11,791.7 \& 11,784.7 \& 6.9 \& 0.1\% \& 11,783.6 \& 8.1 \& 0.1\% \& 11,781.3 \& 10.4 \& 0.1\% \& 11,778.9 \& 12.7 \& 0.1\% \& \({ }^{11,776.6}\) \& 15.0 \& 0.1\% \& 11,774.3 \& 17.4 \& 0.1\% \\
\hline ME 4 \& 365516 \& 2008 \& Dry \& April \& - \& 9,014.1 \& 8,999.1 \& 15.0 \& 0.2\% \& 8,997.0 \& 17.1 \& 0.2\% \& 8,992.6 \& 21.5 \& 0.2\% \& 8,988.3 \& 25.8 \& 0.3\% \& 8,984.0 \& 30.1 \& 0.3\% \& 8,979.7 \& 34.4 \& 0.4\% \\
\hline ME4 4 \& 365516 \& 2008 \& Dry \& May \& - \& 1,360.2 \& 1,344.2 \& 16.0 \& 1.2\% \& 1,341.9 \& 18.3 \& \({ }^{1.3 \%}\) \& 1,337.3 \& 22.9 \& \({ }^{1.7 \%}\) \& 1,332.8 \& 27.4 \& 2.0\% \& 1,328.4 \& 31.8
455 \& 2.3\% \& \(1,324.0\)
385.4 \& \begin{tabular}{l}
36.2 \\
518 \\
\hline 18
\end{tabular} \& 2.7\% \\
\hline ME4 \& 365516 \& 2008 \& Dry \& June \& - \& 437.2 \& 414.4 \& 22.9 \& 5.2\% \& 411.1 \& 26.1 \& 6.0\% \& 404.7 \& 32.6 \& 7.4\% \& 398.2 \& 39.0 \& 8.9\% \& 391.8 \& 45.5 \& 10.4\% \& 385.4 \& 51.8 \& 11.9\% \\
\hline ME4 \& 365516 \& 2008 \& Dry \& July \& - \& 255.4 \& 233.1 \& 22.3 \& 8.7\% \& 230.0 \& 25.4 \& 10.0\% \& 223.6 \& 31.8 \& 12.4\% \& 217.3 \& 38.1 \& 14.9\% \& 211.0 \& 49.4 \& 17.4\% \& 204.7 \& 50.7 \& 19.9\% \\
\hline ME4 \& 365516 \& 2008 \& Dry \& August \& -- \& 178.8 \& 157.3 \& 21.5 \& 12.0\% \& 154.2 \& 24.6 \& 13.7\% \& 148.1 \& 30.7 \& 17.2\% \& 142.0 \& 36.8 \& 20.6\% \& 135.9 \& 42.9 \& 24.0\% \& 129.8 \& 49.0 \& 27.4\% \\
\hline ME 4 \& 365516 \& 2008 \& Dry \& September \& Used in Summary Table Analysis \& 140.4 \& 119.9 \& 20.5 \& 14.6\% \& 117.0 \& 23.5 \& 16.7\% \& 111.1 \& 29.3 \& 20.9\% \& 105.3 \& 35.2 \& 25.0\% \& 99.4 \& 41.0 \& 29.2\% \& 93.6 \& 46.9 \& 33.4\% \\
\hline ME4 4 \& 365516 \& 2009 \& Critical \& October \& Used in Summary Table Analysis \& 923.1 \& 907.1 \& 16.0 \& 1.7\% \& 904.8 \& 18.3 \& 2.0\% \& 900.2 \& 22.9 \& 2.5\% \& 895.6 \& 27.5 \& 3.0\% \& 891.2 \& 31.9 \& 3.5\% \& 886.6 \& 36.6 \& 4.0\% \\
\hline ME4 \& 365516 \& 2009 \& Critical \& November \& Used in Summary Table Analysis \& 5,503.7 \& 5,491.4 \& 12.3 \& 0.2\% \& 5,489.6 \& 14.1 \& 0.3\% \& 5,486.1 \& 17.6 \& 0.3\% \& 5,482.5 \& 21.2 \& 0.4\% \& 5,478.9 \& 24.8 \& 0.5\% \& 5,475.3 \& 28.4 \& 0.5\% \\
\hline ME4 4 \& 365516 \& 2009 \& Critical \& December \& \& 12,199.3 \& 12,138.9 \& 10.4 \& 0.1\% \& 12,137.7 \& 11.6 \& \({ }^{0.1 \%}\) \& 12,134.3 \& 15.0 \& 0.1\% \& 12,130.8 \& 18.5 \& 0.2\% \& 12,128.5
872, \& 20.8 \& 0.2\% \& 12,125.0 \& 24.3 \& 0.2\% \\
\hline ME4 \& 365516 \& 2009 \& Critical \& January \& \& 8,792.2 \& 8,782.4 \& 9.8 \& 0.1\% \& 8,781.0 \& 11.2 \& 0.1\% \& \(8,778.2\) \& 14.0 \& 0.2\% \& 8,775.3 \& 16.9 \& 0.2\% \& \(8,772.6\) \& 19.7 \& 0.2\% \& 8,769.7 \& 22.6 \& 0.3\% \\
\hline ME4 \& 365516 \& 2009 \& Critical \& February \& - \& 22,601.9 \& 22,592.6 \& 9.3 \& 0.0\% \& 22,591.4 \& 10.4 \& 0.0\% \& 22,589.1 \& 12.7 \& 0.1\% \& 22,586.8 \& 15.0 \& 0.1\% \& 22,584.5 \& 17.4 \& 0.1\% \& 22,582.2 \& 19.7 \& 0.1\% \\
\hline ME4 \& 365516 \& 2009 \& Critical \& March \& - \& 21,112.3 \& 21,104.2 \& 8.1 \& 0.0\% \& 21,103.0 \& 9.3 \& 0.0\% \& 21,100.7 \& 11.6 \& 0.1\% \& 21,098.4 \& 13.9 \& 0.1\% \& 21,096.1 \& 16.2 \& 0.1\% \& 21,093.8 \& 18.5 \& 0.1\% \\
\hline ME4 \& 365516 \& 2009 \& Critical \& April \& - \& 10,096.1 \& 10,080.6 \& 15.5 \& 0.2\% \& 10,078.4 \& 17.7 \& 0.2\% \& 10,073.8 \& 22.2 \& 0.2\% \& 10,069.4 \& 26.6 \& 0.3\% \& 10,064.9 \& 31.1 \& 0.3\% \& 10,060.5 \& 35.5 \& 0.4\% \\
\hline ME4 \& 365516
36516 \& 2009 \& Critical \& May \& - \& \(15,578.7\)

3159,7 \& 15,560.2 \& 18.5
24.5 \& ${ }^{0.1 \%}$ \& ${ }_{1}^{15,556.7}$ \& 22.0 \& 0.1\% \& 15,522.1 \& 26.6
34.7 \& ${ }^{0.2 \%}$ \& $15,546.3$
3181
1281 \& 32.4 \& ${ }^{0.2 \%}$ \& $15,540.5$
31111 \& 38.2 \& ${ }^{0.2 \%}$ \& 15,535.9 \& 42.8
55.4 \& 0.3\% <br>
\hline ME 4
ME 4 \& 365516 \& 2009 \& Critical \& June \& - \& 3,159.7 \& 3,135.4 \& 24.3 \& 0.8\% \& 3,131.9 \& 27.8 \& 0.9\% \& 3,125.0 \& 34.7 \& 1.1\% \& 3,118.1 \& 41.7 \& 1.3\% \& 3,111.1 \& 48.6 \& ${ }^{1.5 \%}$ \& 3,104.3 \& 55.4 \& ${ }_{\text {1.1.8\% }}$ <br>
\hline ME 4
ME 4 \& 365516
365516 \& 2009 \& ${ }_{\text {Critical }}$ \& July \& - \& 1,262.2

6680 \& \begin{tabular}{l}
1,239.6 <br>
6463 <br>
\hline 2,

 \& ${ }_{22}^{22.6}$ \& 1.8\% \&  \& ${ }_{225}^{25.8}$ \& ${ }^{2.0 \%}$ \& 

1,230.0 <br>
6371 <br>
\hline 101

 \& 

32.2 <br>
30.9 <br>
\hline
\end{tabular} \& 2.5\% \& $1,223.6$

630.9 \& 38.5
37.0 \& 3.1\%

$5.5 \%$ \& | $1,217.2$ |
| :--- |
| 624.8 | \& 44.9 \& 3.6\% \& | $1,210.9$ |
| :--- |
| 618.6 | \& 51.3

49.4 \& 4.1\% <br>
\hline ME4 \& 365516 \& 2009 \& Critical \& September \& Used in Summary Table Analysis \& ${ }_{389.3}$ \& 370.1 \& 19.2 \& 4.9\% \& 367.4 \& 21.9 \& 5.6\% \& 361.9 \& 27.4 \& 7.0\% \& 356.4 \& 33.8 \& 8.4\% \& 351.0 \& 38.3 \& ${ }_{9} 9.8 \%$ \& 345.5 \& 43.8 \& 11.2\% <br>
\hline
\end{tabular}

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month | Note | FlowWithout Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increa |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Flow (cfs) |  |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { Fiow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference | $\begin{gathered} \begin{array}{c} \text { Flow } \\ \text { Difference } \end{array} \\ \text { Flow (cfs) } \\ \text { (cfs) } \end{gathered}$ |  | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \end{gathered}$ (cfs) | $\begin{gathered} \text { Percent } \\ \text { Difference } \end{gathered}$ |
| me 4 | 365516 | 2010 | Below Normal |  | ober | Used in Summary Table Analysis | 6,087.3 | 6,071.1 | 16.2 | 0.3\% | 6,068.8 | 18.5 | 0.3\% | 6,064,1 | 23.1 | 0.4\% | 6,059.5 | 27.8 | 0.5\% | 6,055.0 | 32.3 | 0.5\% | 6,050.3 | 36.9 | 0.6\% |
| me 4 | 365516 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,285.4 | 8,272.7 | 12.7 | 0.2\% | 8,270.8 | 14.6 | 0.2\% | 8,267.2 | 18.2 | 0.2\% | 8,263.5 | 21.9 | 0.3\% | 8,259.8 | 25.6 | 0.3\% | 8,256.1 | 29.3 | 0.4\% |
| ME4 | 365516 | 2010 | Below Normal | December - |  | 12,346.1 | 12,335.6 | 10.4 | 0.1\% | 12,333.3 | 12.7 | 0.1\% | 12,329.9 | 16.2 | 0.1\% | 12,327.5 | 18.5 | 0.1\% | 12,324.1 | 22.0 | 0.2\% | 12,320.6 | 25.5 | 0.2\% |
| ME 4 | 365516 | 2010 | Below Normal | January | -- | 36,206.0 | 36,195.6 | 10.4 | 0.0\% | 36,194.4 | 11.6 | 0.0\% | 36,192.1 | 13.9 | 0.0\% | 36,188.7 | 17.4 | 0.0\% | 36,186.3 | 19.7 | 0.1\% | 36,182.9 | 23.1 | 0.1\% |
| ME4 | 365516 | 2010 | Below Normal | February | -- | 27,237.3 | 27,299.2 | 8.1 | 0.0\% | 27,228.0 | 9.3 | 0.0\% | 27,224.5 | 12.7 | 0.0\% | 27,222.2 | 15.0 | 0.1\% | 27,219.9 | 17.4 | 0.1\% | 27,217.6 | 19.7 | 0.1\% |
| me 4 | 365516 | 2010 | Below Normal | March | -- | 28,831.0 | 28,822.9 | 8.1 | 0.0\% | 28,821.8 | 9.3 | 0.0\% | 28,818.3 | 12.7 | 0.0\% | 28,816.0 | 15.0 | 0.1\% | 28,813,7 | 17.4 | 0.1\% | 28,811.3 | 19.7 | 0.1\% |
| me 4 | 365516 | 2010 | Below Normal | April | - | 40,002.3 | 39,994.2 | 8.1 | 0.0\% | 39,993,1 | 9.3 | 0.0\% | 39,990,7 | 11.6 | 0.0\% | 39,988.4 | 13.9 | 0.0\% | 39,986,1 | 16.2 | 0.0\% | 39,983.8 | 18.5 | 0.0\% |
| me 4 | 365516 | 2010 | Below Normal | May | - | 20,260.4 | 20,244.2 | 16.2 | 0.1\% | 20,241.9 | 18.5 | 0.1\% | 20,237.3 | 23.1 | 0.1\% | 20,232.6 | 27.8 | 0.1\% | 20,228.0 | 32.4 | 0.2\% | 20,223.4 | 37.0 | 0.2\% |
| ME 4 | 365516 | 2010 | Below Normal | June | - | 9,343.6 | 9,320.3 | 23.4 | 0.3\% | 9,316.9 | 26.7 | 0.3\% | 9,310.3 | 33.3 | 0.4\% | 9,303.7 | 39.9 | 0.4\% | 9,297.2 | 46.4 | 0.5\% | 9,290.6 | 53.0 | 0.6\% |
| ME4 | 365516 | 2010 | Below Normal | July | - | 1,454.1 | 1,433,1 | 20.9 | 1.4\% | 1,430.1 | 24.0 | 1.6\% | 1,424.1 | 30.0 | 2.1\% | 1,418.1 | 36.0 | 2.5\% | 1,411.9 | 42.1 | 2.9\% | 1,406.3 | 47.8 | 3.3\% |
| me 4 | 365516 | 2010 | Below Normal | August | -- | 567.8 | 548.7 | 19.1 | 3.4\% | 545.9 | 21.9 | 3.8\% | 540.5 | 27.3 | 4.8\% | 535.1 | 32.7 | 5.8\% | 529.6 | 38.2 | 6.7\% | 524.2 | 43.6 | 7.7\% |
| me 4 | 365516 | 2010 | Below Normal | September | Used in Summary Table Analysis | 649.9 | 631.8 | 18.1 | 2.8\% | 629.2 | 20.7 | 3.2\% | 624.0 | 25.9 | 4.0\% | 618.9 | 31.0 | 4.8\% | 613.7 | 36.2 | 5.6\% | 608.5 | 41.4 | 6.4\% |
| ME 4 | 365516 | 2011 | Wet | October | Used in Summary Table Analysis | 9,628.8 | 9,615.3 | 13.5 | 0.1\% | 9,613.3 | 15.5 | 0.2\% | 9,699.5 | 19.3 | 0.2\% | 9,605.6 | 23.3 | 0.2\% | 9,601.6 | 27.2 | 0.3\% | 9,597.8 | 31.0 | 0.3\% |
| me 4 | 365516 | 2011 | Wet | November | Used in Summary Table Analysis | 14,215.3 | 14,204.9 | 10.4 | 0.1\% | 14,202.5 | 12.7 | 0.1\% | 14,200.2 | 15.0 | 0.1\% | 14,196.8 | 18.5 | 0.1\% | 14,193.3 | 22.0 | 0.2\% | 14,191.0 | 24.3 | 0.2\% |
| ME4 | 365516 | 2011 | Wet | December - |  | 33,681.7 | 33,672.5 | 9.3 | 0.0\% | 33,671.3 | 10.4 | 0.0\% | 33,669.0 | 12.7 | 0.0\% | 33,665.5 | 16.2 | 0.0\% | 33,663.2 | 18.5 | 0.1\% | 33,660.9 | 20.8 | 0.1\% |
| me 4 | 365516 | 2011 | Wet | January | -- | 14,152.8 | 14,144.7 | 8.1 | 0.1\% | 14,143.5 | 9.3 | 0.1\% | 14,141.2 | 11.6 | 0.1\% | 14,138.9 | 13.9 | 0.1\% | 14,136.6 | 16.2 | 0.1\% | 14,134.3 | 18.5 | 0.1\% |
| me 4 | 365516 | 2011 | Wet | February | -- | 20,763.9 | 20,75.8 | 8.1 | 0.0\% | 20,754.6 | 9.3 | 0.0\% | 20,753.5 | 10.4 | 0.1\% | 20,751.2 | 12.7 | 0.1\% | 20,788.8 | 15.0 | 0.1\% | 20,746.5 | 17.4 | 0.1\% |
| ME 4 | 365516 | 2011 | Wet | March | - | 51,994.2 | 51,987.3 | 6.9 | 0.0\% | 51,986.1 | 8.1 | 0.0\% | 51,983.8 | 10.4 | 0.0\% | 51,981.5 | 12.7 | 0.0\% | 51,979.2 | 15.0 | 0.0\% | 51,976.9 | 17.4 | 0.0\% |
| me4 | 365516 | 2011 | wet | April | - | 24,796.3 | 24,789.4 | 6.9 | 0.0\% | 24,788.2 | 8.1 | 0.0\% | 24,785.9 | 10.4 | 0.0\% | 24,783.6 | 12.7 | 0.1\% | 24,781.3 | 15.0 | 0.1\% | 24,780.1 | 16.2 | 0.1\% |
| ME4 | 365516 | 2011 | Wet | May | - | 11,381.0 | 11,365.9 | 15.2 | 0.1\% | 11,363.7 | 17.4 | 0.2\% | 11,359.3 | 21.8 | 0.2\% | 11,354.7 | 26.3 | 0.2\% | 11,350.3 | 30.7 | 0.3\% | 11,346.1 | 35.0 | 0.3\% |
| me 4 | 365516 | 2011 | Wet | June | - | 7,054.7 | 7,031.9 | 22.8 | 0.3\% | 7,028.7 | 26.0 | 0.4\% | 7,022.3 | 32.4 | 0.5\% | 7,015.9 | 38.9 | 0.6\% | 7,009.4 | 45.4 | 0.6\% | 7,003.0 | 51.7 | 0.7\% |
| me 4 | 365516 | 2011 | Wet | July | - | 1,828.5 | 1,806.0 | 22.5 | 1.2\% | 1,802.9 | 25.6 | 1.4\% | 1,796.4 | 32.1 | 1.8\% | 1,790.0 | 38.4 | 2.1\% | 1,783.7 | 44.8 | 2.4\% | 1,777.3 | 51.2 | 2.8\% |
| ME 4 | 365516 | 2011 | Wet | August | -- | 776.0 | 757.0 | 18.9 | 2.4\% | 754.3 | 21.6 | 2.8\% | 748.9 | 27.0 | 3.5\% | 743.6 | 32.4 | 4.2\% | 738.2 | 37.8 | 4.9\% | 732.8 | 43.1 | 5.6\% |
| me 4 | 365516 | 2011 | Wet | September | Used in Summary Table Analysis | 432.5 | 415.5 | 17.1 | 3.9\% | 413.0 | 19.5 | 4.5\% | 408.1 | 24.4 | 5.6\% | 403.3 | 29.2 | 6.8\% | 398.4 | 34.1 | 7.9\% | 393.6 | 38.9 | 9.0\% |
| ME4 | 365516 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,539.2 | 4,525.5 | 13.8 | 0.3\% | 4,523.5 | 15.7 | 0.3\% | 4,519.4 | 19.8 | 0.4\% | 4,515.5 | 23.7 | 0.5\% | 4,511.6 | 27.7 | 0.6\% | 4,507.5 | 31.7 | 0.7\% |
| me 4 | 365516 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,233.7 | 8,222.7 | 11.0 | 0.1\% | 8,221.2 | 12.5 | 0.2\% | 8,217.9 | 15.7 | 0.2\% | 8,214.8 | 18.9 | 0.2\% | 8,211.6 | 22.1 | 0.3\% | 8,208.4 | 25.2 | 0.3\% |
| me4 | 365516 | 2012 | Below Normal | December |  | 5,181.6 | 5,172.1 | 9.5 | 0.2\% | 5,170.8 | 10.8 | 0.2\% | 5,168.1 | 13.5 | 0.3\% | 5,165.4 | 16.2 | 0.3\% | 5,162.6 | 19.0 | 0.4\% | 5,159.8 | 21.8 | 0.4\% |
| ME4 | 365516 | 2012 | Below Normal | January | -- | 20,104.2 | 20,094.9 | 9.3 | 0.0\% | 20,093.8 | 10.4 | 0.1\% | 20,091.4 | 12.7 | 0.1\% | 20,089.1 | 15.0 | 0.1\% | 20,086.8 | 17.4 | 0.1\% | 20,083.3 | 20.8 | 0.1\% |
| me 4 | 365516 | 2012 | Below Normal | February |  | 18,209.5 | 18,202.5 | 6.9 | 0.0\% | 18,201.4 | 8.1 | 0.0\% | 18,199.1 | 10.4 | 0.1\% | 18,196.8 | 12.7 | 0.1\% | 18,194.4 | 15.0 | 0.1\% | 18,192.1 | 17.4 | 0.1\% |
| ME4 | 365516 | 2012 | Below Normal | March | -- | 45,410.9 | 45,403.9 | 6.9 | 0.0\% | 45,402.8 | 8.1 | 0.0\% | 45,399.3 | 11.6 | 0.0\% | 45,397.0 | 13.9 | 0.0\% | 45,394.7 | 16.2 | 0.0\% | 45,393.5 | 17.4 | ${ }^{0.0 \%}$ |
| ME4 | 365516 | 2012 | Below Normal | April |  | 26,855.3 | 26,847.2 | 8.1 | 0.0\% | 26,846.1 | ${ }^{9.3}$ | 0.0\% | 26,844.9 | 10.4 | 0.0\% | 26,842.6 | 12.7 | 0.0\% | 26,840.3 | 15.0 | 0.1\% | 26,838.0 | 17.4 | 0.1\% |
| ME4 | 365516 365516 | 2012 | Below Normal | May | - | $7,488.1$ 5659 | $7,466.9$ 54906 | 15.2 | 0.2\% | $7,464.8$ 54874 | 17.2 | ${ }^{0.2 \%}$ | $7,460.3$ 54808 | 21.8 | ${ }^{0.3 \%}$ | $7,455.9$ 5 5,4743 | 26.2 39.6 | 0.3\% | $7,441.6$ 5467 | 30.4 | ${ }^{0.4 \%}$ | $7,447.2$ 5,4611 | 34.8 <br> 548 | 0.5\% |
| ME4 | 365516 | 2012 | Below Normal | June | - | 5,513.9 | 5,490.6 | ${ }^{23.3}$ | 0.4\% | 5,487.4 | 26.5 | 0.5\% | 5,480.8 | 33.1 | 0.6\% | 5,474.3 | 39.6 | 0.7\% | 5,467.7 | 46.2 | 0.8\% | 5,461.1 | 52.8 | 1.0\% |
| ME 4 | 365516 | 2012 | Below Normal | July | - | 2,222.7 | 2,201.0 | 21.6 | 1.0\% | 2,198.0 | 24.7 | 1.1\% | 2,191.8 | 30.9 | 1.4\% | 2,185.6 | 37.0 | 1.7\% | 2,179.5 | 43.2 | 1.9\% | 2,177.3 | 49.4 | 2.2\% |
| ME 4 | 365516 | 2012 | Below Normal | August | 兂 | 387.9 | 370.5 | 17.3 | 4.5\% | 368.1 | 19.8 | 5.1\% | 363.2 | 24.7 | ${ }^{6.4 \%}$ | 358.2 | 29.6 | 7.6\% | 353.3 | 34.5 30.6 | 8.9\% | 348.4 | 39.4 34.9 | $10.2 \%$ $14.10 \%$ |
| ME 4 | 365516 | 2012 | Below Normal | September | Used in Summary Table Analysis | 248.2 | 232.9 | 15.4 | 6.2\% | 230.7 | 17.5 | 7.1\% | 226.3 | 21.9 | 8.8\% | 222.0 | 26.2 | 10.6\% | 217.7 | 30.6 265 | 12.3\% | 213.3 | 34.9 30.3 | 14.1\% |
| ME4 4 | 365516 | 2013 | Below Normal | October | Used in Summary Table Analysis | $1,910.4$ 14.671 | 1,887.1 | 13.3 | 0.7\% | ${ }^{1,8959.3}$ | 15.2 | ${ }^{0.8 \%}$ | $1,891.4$ 146620 | 19.0 | ${ }^{1.0 \%}$ | ${ }^{1,887.6}$ | 22.8 | 1.2\% | 1.883 .9 14.6563 | 26.5 20.8 | $1.4 \%$ $0.1 \%$ 0 | $1,880.1$ 14.653 | 30.3 23.1 23.1 | $1.6 \%$ $0.2 \%$ |
| ME 4 | 365516 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,677.1 | 14,666.7 | 10.4 | 0.1\% | 14,665.5 | 11.6 | 0.1\% | 14,662.0 | 15.0 | 0.1\% | 14,659.7 | 17.4 | 0.1\% | 14,656.3 | 20.8 | 0.1\% | 14,653.9 | 23.1 | 0.2\% |
| ME 4 | 365516 36516 | 2013 | Below Normal Below Normal | December |  | 59,974.5 221968 | 59,965.3 221887 | 9.3 <br> 81 <br> 18 | 0.0\% | 59,963.0 227875 | ${ }_{9.3}^{11.6}$ | 0.0\% | 59,960.6 22, 185.2 | 13.9 | 0.0\% | $59,958.3$ 221829 | 16.2 139 | 0.0\% $0.1 \%$ | 59,954.9 <br> 22, | 19.7 16.7 | 0.0\% | 59,952.5 220178.2 | 22.0 18.5 | 0.0\% $0.1 \%$ |
| ME 4 ME 4 | 365516 365516 | 2013 | Below Normal Below Normal | January February | -- | $22,196.8$ 8,843 1,3 | ${ }_{8,835.5}^{22,18.7}$ | 8.1 7.8 | 0.0\% | $\underset{\substack{22,187.5 \\ 8,834}}{ }$ | 9.3 8.9 | 0.0\% | $\underset{\substack{22,185.2 \\ 8,832.1}}{ }$ | 11.6 11.2 | 0.1\% | $22,182.9$ $8,829.9$ | 13.9 13.4 | 0.1\% | ${ }_{\text {2, }}^{\text {22,180.6 }}$ | 16.2 15.7 | 0.1\% | $\underset{8,825.2}{22,178.2}$ | 18.5 18.1 | 0.1\% |
| me 4 | 365516 | 2013 | Below Normal | March | -- | 10,326.4 | 10,318.9 | 7.5 | 0.1\% | 10,317.8 | 8.6 | 0.1\% | 10,315.6 | 10.8 | 0.1\% | 10,313,4 | 13.0 | 0.1\% | 10,311.1 | 15.3 | 0.1\% | 10,308.9 | 17.5 | 0.2\% |
| me 4 | 365516 | 2013 | Below Normal | April | - | 8,289.9 | 8,275.5 | 14.5 | 0.2\% | 8,273.4 | 16.6 | 0.2\% | 8,269.2 | 20.7 | 0.2\% | 8,265.2 | 24.8 | 0.3\% | 8,261.0 | 28.9 | 0.3\% | 8,256.8 | 33.1 | 0.4\% |
| ME 4 | 365516 | 2013 | Below Normal | May | -- | 4,429.4 | 4,411.9 | 17.5 | 0.4\% | 4,409.5 | 19.9 | 0.4\% | 4,404.4 | 25.0 | 0.6\% | 4,399.4 | 30.0 | 0.7\% | 4,394.4 | 35.0 | 0.8\% | 4,389.4 | 40.0 | 0.9\% |
| me 4 | 365516 | 2013 | Below Normal | June | - | 2,109.8 | 2,089.0 | 20.8 | 1.0\% | 2,086.0 | 23.8 | 1.1\% | 2,080.1 | 29.7 | 1.4\% | 2,074.1 | 35.8 | 1.7\% | 2,068.2 | 41.7 | 2.0\% | 2,062.3 | 47.6 | 2.3\% |
| ME4 | 365516 | 2013 | Below Normal | July | - | 717.9 | 697.8 | 20.1 | 2.8\% | 695.0 | 22.9 | 3.2\% | 689.3 | 28.6 | 4.0\% | 683.6 | 34.3 | 4.8\% | 678.0 | 40.0 | 5.6\% | 672.3 | 45.6 | 6.4\% |
| ME4 | 365516 | 2013 | Below Normal | August | -- | 339.6 | 320.9 | 18.7 | 5.5\% | 318.2 | 21.3 | 6.3\% | 312.9 | 26.7 | 7.9\% | 307.6 | 32.0 | 9.4\% | 302.3 | 37.3 | 11.0\% | 296.9 | 42.7 | 12.6\% |
| me 4 | 365516 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,783.8 | 4,764.6 | 19.2 | 0.4\% | 4,761.8 | 22.0 | 0.5\% | 4,756.3 | 27.5 | 0.6\% | 4,750.8 | 33.0 | 0.7\% | 4,745.4 | 38.4 | 0.8\% | 4,739.8 | 44.0 | 0.9\% |
| ME 4 | 365516 | 2014 | Critical | October | Used in Summary Table Analysis | 281.1 | 267.2 | 13.9 | 4.9\% | 265.2 | 15.9 | 5.6\% | 261.2 | 19.9 | 7.1\% | 257.2 | 23.9 | 8.5\% | 253.2 | 27.9 | 9.9\% | 249.2 | 31.9 | 11.3\% |
| ME 4 | 365516 | 2014 | Critical | November | Used in Summary Table Analysis | 1,536.8 | 1,555.7 | 11.1 | 0.7\% | 1,524.1 | 12.7 | 0.8\% | $1,5520.9$ <br> 1 <br> 2551 | 15.9 | 1.0\% | ${ }^{1,5177.7}$ | 19.1 | ${ }^{1.2 \%}$ | $1,514.5$ 1 1596.5 | 22.3 197 | 1.5\% | $1,511.2$ 15666 | 25.6 22.6 | 1.7\% |
| ME 4 | 365516 | 2014 | Critical | December - |  | 1,589.1 | 1,579.3 | 9.8 | 0.6\% | 1,577.9 | 11.2 | 0.7\% | 1,575.1 | 14.0 | 0.9\% | 1,572.2 | 16.9 | 1.1\% | 1,569.4 | 19.7 | 1.2\% | 1,566.6 | 22.6 | 1.4\% |
| ME 4 | 365516 | 2014 | Critical | January | -- | 2,820.1 | 2,811.5 | 8.7 | 0.3\% | 2,810.2 | 10.0 | 0.4\% | 2,807.6 | 12.5 | 0.4\% | 2,805.1 | 15.0 | 0.5\% | 2,802.5 | 17.6 | 0.6\% | 2,800.0 | 20.1 | ${ }^{0.7 \%}$ |
| ME 4 ME 4 | 365516 365516 | 2014 2014 | Critical Critical | February March | -- | $15,748.8$ $31,481.5$ | $15,740.7$ $31,473.4$ | 8.1 8.1 | 0.1\% $0.0 \%$ | $15,739.6$ $31,472.2$ | 9.3 9.3 | - 0.1 \% | $15,737.3$ $31,469.9$ | 11.6 11.6 | 0.0.1\% | $15,735.0$ $31,467.6$ | 13.9 13.9 | 0.1\% $0.0 \%$ | 15,732.6 $31,465.3$ | 16.2 16.2 | ${ }^{0.1 \%}$ | $15,730.3$ $31,463.0$ | 18.5 18.5 | 0.1\% |
| me 4 | 365516 | 2014 | Critical | April | - | 12,988.4 | 12,973.4 | 15.0 | 0.1\% | 12,971.1 | 17.4 | 0.1\% | 12,966.4 | 22.0 | 0.2\% | 12,963.0 | 25.5 | 0.2\% | 12,958.3 | 30.1 | 0.2\% | 12,953.7 | 34.7 | 0.3\% |
| me 4 | 365516 | 2014 | Critical | May | - | 5,187.3 | 5,168.8 | 18.5 | 0.4\% | 5,166.1 | 21.2 | 0.4\% | 5,160.9 | 26.4 | 0.5\% | 5,155.6 | 31.7 | 0.6\% | 5,150.3 | 36.9 | 0.7\% | 5,145.0 | 42.2 | 0.8\% |
| me 4 | 365516 | 2014 | Critical | June | - | 1,197.6 | 1,172.5 | 25.1 | 2.1\% | 1,168.9 | 28.7 | 2.4\% | 1,161.8 | 35.8 | 3.0\% | 1,154.7 | 42.9 | 3.2\% | 1,147.6 | 49.9 | 4.2\% | 1,140.6 | 57.0 | 4.8\% |
| me 4 | 365516 | 2014 | Critical | July | - | 545.7 | 522.8 | 22.9 | 4.2\% | 519.5 | 26.2 | 4.8\% | 513.0 | 32.7 | 6.0\% | 506.5 | 39.2 | 7.2\% | 500.0 | 45.7 | 8.2\% | 493.5 | 52.2 | ${ }^{\text {9.6\% }}$ |
| me4 | 365516 | 2014 | Critical | August | -- | 347.5 | 325.8 | 21.7 | 6.3\% | 322.7 | 24.8 | 7.1\% | 316.5 | 31.0 | 8.9\% | 310.3 | 37.2 | 10.7\% | 304.1 | 43.4 | 12.5\% | 298.0 | 49.6 | 14.3\% |
| ME 4 | 365516 | 2014 | Critical | September | Used in Summary Table Analysis | 2,572.3 | 2,551.2 | 21.2 | 0.8\% | 2,548.1 | 24.2 | 0.9\% | 2,542.2 | 30.1 | 1.2\% | 2,536.1 | 36.2 | 1.4\% | 2,530.1 | 42.2 | 1.6\% | 2,524.1 | 48.3 | 1.9\% |
| ME 4 | 365516 | 2015 | Dry | October | Used in Summary Table Analysis | 11,358.0 | 11,341.4 | 16.6 | 0.1\% | 11,339.1 | 18.9 | 0.2\% | 11,334.6 | 23.4 | 0.2\% | 11,330.0 | 28.0 | 0.2\% | 11,325.5 | 32.5 | 0.3\% | 11,320.6 | 37.4 | 0.3\% |
| me 4 | 365516 | 2015 | Dry | November | Used in Summary Table Analysis | 9,035.6 | 9,023.5 | 12.2 | 0.1\% | 9,021.6 | 14.0 | 0.2\% | 9,018.2 | 17.5 | 0.2\% | 9,014.7 | 20.9 | 0.2\% | 9,011.1 | 24.5 | 0.3\% | 9,007.6 | 28.0 | 0.3\% |
| ME 4 | ${ }^{3655516}$ | 2015 | Dry | December |  | 32,605.3 | 32,594.9 | 10.4 | 0.0\% | 32,593.8 | 11.6 | 0.0\% | 32,590.3 | 15.0 | 0.0\% | 32,586.8 | 18.5 | 0.1\% | 32,584.5 | ${ }^{20.8}$ | 0.1\% | 32,581.0 | 24.3 | 0.1\% |
|  | 365516 | 2015 | Dry | January |  | 14,576.4 | 14,567.1 | 9.3 | 0.1\% | 14,566.0 | 10.4 | 0.1\% | 14,562.5 | 13.9 | 0.1\% | 14,560.2 | 16.2 | 0.1\% | 14,556.7 | 19.7 | 0.1\% | 14,554.4 | 22.0 | 0.2\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flow Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increa |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water <br> Reach) |  |  | Note | Flow (cfs) |  | $\underset{\substack{\text { Fifow } \\ \text { Diference } \\ \text { (cfs) }}}{\text { cen }}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Filow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) |  | Percent Difference | Flow (cfs) | $\underset{\substack{\text { Flow } \\ \text { Difference } \\ \text { (cfs) }}}{\text { cosen }}$ | Percent Difference |
| ME4 | 365516 | 2015 | Dry |  | February | -- | 27,229.2 | 27,221.1 | 8.1 | 0.0\% | 27,219.9 | 9.3 | 0.0\% | 27,217.6 | 11.6 | 0.0\% | 27,214.1 | 15.0 | 0.1\% | 27,211.8 | 17.4 | 0.1\% | 27,209.5 | 19.7 | 0.1\% |
| me 4 | 365516 | 2015 | Dry | March | - | 11,570.0 | 11,562.4 | 7.6 | 0.1\% | 11,561.2 | 8.8 | 0.1\% | 11,559.0 | 11.0 | 0.1\% | 11,556.8 | 13.2 | 0.1\% | 11,554.6 | 15.4 | 0.1\% | 11,552.5 | 17.5 | 0.2\% |
| ME4 | 365516 | 2015 | Dry | April | - | 8,383.6 | 8,368.3 | 15.3 | 0.2\% | 8,366.1 | 17.5 | 0.2\% | 8,361.7 | 21.9 | 0.3\% | 8,357.3 | 26.3 | 0.3\% | 8,352.9 | 30.7 | 0.4\% | 8,348.5 | 35.1 | 0.4\% |
| me 4 | 365516 | 2015 | Dry | May | - | 1,509.1 | 1,491.0 | 18.2 | 1.2\% | 1,488.4 | 20.7 | 1.4\% | 1,483.2 | 25.9 | 1.7\% | 1,478.1 | 31.0 | 2.1\% | 1,472.9 | 36.2 | 2.4\% | 1,467.7 | 41.4 | 2.7\% |
| ME4 | 365516 | 2015 | Dry | June | - | 652.4 | 629.2 | 23.3 | 3.6\% | 625.9 | 26.5 | 4.1\% | 619.3 | 33.1 | 5.1\% | 612.8 | 39.6 | 6.1\% | 606.3 | 46.1 | 7.1\% | 599.8 | 52.6 | 8.1\% |
| me 4 | 365516 | 2015 | Dry | July | - | 268.4 | 24.0 | 22.5 | 8.4\% | 242.8 | 25.6 | 9.6\% | 236.4 | 32.0 | 11.9\% | 23.0 | 38.4 | 14.3\% | 223.6 | 44.8 | 16.7\% | 217.2 | 51.2 | 19.1\% |
| ME4 | 365516 | 2015 | Dry | August | -- | 166.0 | 144.4 | 21.6 | 13.0\% | 141.3 | 24.7 | 14.9\% | 135.2 | 30.8 | 18.6\% | 129.0 | 37.0 | 22.3\% | 122.8 | 43.2 | 26.0\% | 116.7 | 49.3 | 29.7\% |
| me4 | 365516 | 2015 | Dry | September | Used in Summary Table Analysis | 120.3 | 101.2 | 19.2 | 15.9\% | 98.4 | 21.9 | 18.2\% | 92.4 | 27.9 | 23.2\% | 86.6 | 33.7 | 28.0\% | 80.6 | 39.7 | 33.0\% | 74.8 | 45.6 | 37.9\% |
| ME 4 | 365516 | 2016 | Above Normal | October | Used in Summary Table Analysis | 85.7 | 68.8 | 17.0 | 19.8\% | 66.2 | 19.5 | 22.8\% | 61.4 | 24.3 | 28.3\% | 56.6 | 29.1 | 34.0\% | 51.9 | 33.8 | 39.5\% | 47.4 | 38.4 | 44.7\% |
| ME4 | 365516 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,862.8 | 3,850.5 | 12.4 | 0.3\% | 3,848.5 | 14.4 | 0.4\% | 3,844.9 | 17.9 | 0.5\% | 3,841.2 | 21.6 | 0.6\% | 3,837.5 | 25.3 | 0.7\% | 3,833.8 | 29.1 | 0.8\% |
| ME 4 | 365516 | 2016 | Above Normal | December - |  | 36,005.3 | 36,593.8 | 11.6 | 0.0\% | 36,592.6 | 12.7 | 0.0\% | 36,589.1 | 16.2 | 0.0\% | 36,585.6 | 19.7 | 0.1\% | 36,582.2 | 23.1 | 0.1\% | 36,579.9 | 25.5 | 0.1\% |
| ME 4 | 365516 | 2016 | Above Normal | January | - | 57,302.1 | 57,292.8 | 9.3 | 0.0\% | 57,290.5 | 11.6 | 0.0\% | 57,288.2 | 13.9 | 0.0\% | 57,284.7 | 17.4 | 0.0\% | 57,282.4 | 19.7 | 0.0\% | 57,278.9 | 23.1 | 0.0\% |
| ME4 | 365516 | 2016 | Above Normal | February | - | 24,267.4 | 24,258.1 | 9.3 | 0.0\% | 24,256.9 | 10.4 | 0.0\% | 24,254.6 | 12.7 | 0.1\% | 24,252.3 | 15.0 | 0.1\% | 24,250.0 | 17.4 | 0.1\% | 24,247.7 | 19.7 | 0.1\% |
| me4 | 365516 | 2016 | Above Normal | March | - | 41,770.8 | 41,762.7 | 8.1 | 0.0\% | 41,761.6 | 9.3 | 0.0\% | 41,759.3 | 11.6 | 0.0\% | 41,75.8 | 15.0 | 0.0\% | 41,753.5 | 17.4 | 0.0\% | 41,751.2 | 19.7 | 0.0\% |
| ME4 | 365516 | 2016 | Above Normal | April | - | 18,535.9 | 18,528.9 | 6.9 | 0.0\% | 18,527.8 | 8.1 | 0.0\% | 18,525.5 | 10.4 | 0.1\% | 18,523.1 | 12.7 | 0.1\% | 18,520.8 | 15.0 | 0.1\% | 18,518.5 | 17.4 | 0.1\% |
| ME 4 | 365516 | 2016 | Above Normal | May | - | 5,214.9 | 5,205.7 | 9.3 | 0.2\% | 5,204.3 | 10.6 | 0.2\% | 5,201.6 | 13.3 | 0.3\% | 5,198.8 | 16.1 | 0.3\% | 5,196.1 | 18.9 | 0.4\% | 5,193.4 | 21.5 | 0.4\% |
| ME 4 | 365516 | 2016 | Above Normal | June | - | 1,509.0 | 1,490.9 | 18.2 | 1.2\% | 1,488.3 | 20.7 | 1.4\% | 1,483.2 | 25.8 | 1.7\% | 1,478.0 | 31.0 | 2.1\% | 1,472.9 | 36.1 | 2.4\% | 1,467.8 | 41.2 | 2.7\% |
| ME 4 | 365516 | 2016 | Above Normal | July | - | 822.4 | 802.6 | 19.8 | 2.4\% | 799.7 | 22.7 | 2.8\% | 794.1 | 28.3 | 3.4\% | 788.4 | 33.9 | 4.1\% | 782.8 | 39.6 | 4.8\% | 777.2 | 45.2 | 5.5\% |
| me4 | 365516 | 2016 | Above Normal | August | - | 490.9 | 471.7 | 19.2 | 3.9\% | 469.0 | 22.0 | 4.5\% | 463.5 | 27.4 | 5.6\% | 458.0 | 32.9 | 6.7\% | 452.5 | 38.4 | 7.8\% | 447.0 | 43.9 | 8.9\% |
| me 4 | 365516 | 2016 | Above Normal | September | Used in Summary Table Analysis | 327.3 | 310.4 | 16.9 | 5.2\% | 307.3 | 20.0 | 6.1\% | 302.3 | 25.0 | 7.6\% | 297.1 | 30.2 | 9.2\% | 291.9 | 35.4 | 10.8\% | 286.7 | 40.6 | 12.4\% |
| me 4 | 365516 | 2017 | Wet | October | Used in Summary Table Analysis | 18,277.8 | 18,263.9 | 13.9 | 0.1\% | 18,261.6 | 16.2 | 0.1\% | 18,258.1 | 19.7 | 0.1\% | 18,253.5 | 24.3 | 0.1\% | 18,248.8 | 28.9 | 0.2\% | 18,245.4 | 32.4 | 0.2\% |
| me 4 | 365516 | 2017 | Wet | November | Used in Summary Table Analysis | 18,817.1 | 18,806.7 | 10.4 | 0.1\% | 18,804.4 | 12.7 | 0.1\% | 18,802.1 | 15.0 | 0.1\% | 18,798.6 | 18.5 | 0.1\% | 18,795.1 | 22.0 | 0.1\% | 18,792.8 | 24.3 | 0.1\% |
| ME 4 | 365516 | 2017 | Wet | December - |  | 24,100.7 | 24,091.4 | 9.3 | 0.0\% | 24,090.3 | 10.4 | 0.0\% | 24,088.0 | 12.7 | 0.1\% | 24,084.5 | 16.2 | 0.1\% | 24,082.2 | 18.5 | 0.1\% | 24,079.9 | 20.8 | 0.1\% |
| me 4 | 365516 | 2017 | wet | January | - | 106,866.9 | 106,857.6 | 9.3 | 0.0\% | 106,856.5 | 10.4 | 0.0\% | 106,854.2 | 12.7 | 0.0\% | 106,851.9 | 15.0 | 0.0\% | 106,888.4 | 18.5 | 0.0\% | 106,846.1 | 20.8 | 0.0\% |
| ME4 | 365516 | 2017 | Wet | February - | - | 81,818.3 | 81,810.2 | 8.1 | 0.0\% | 81,809.0 | 9.3 | 0.0\% | 81,806.7 | 11.6 | 0.0\% | 81,804.4 | 13.9 | 0.0\% | 81,802.1 | 16.2 | 0.0\% | 81,799.8 | 18.5 | 0.0\% |
| me 4 | 365516 | 2017 | Wet | March | - | 27,268.5 | 27,261.6 | 6.9 | 0.0\% | 27,260.4 | 8.1 | 0.0\% | 27,258.1 | 10.4 | 0.0\% | 27,25.8 | 12.7 | 0.0\% | 27,253.5 | 15.0 | 0.1\% | 27,251.2 | 17.4 | 0.1\% |
| me4 | 365516 | 2017 | Wet | April | - | 22,929.4 | 22,922.5 | 6.9 | 0.0\% | 22,921.3 | 8.1 | 0.0\% | 22,920.1 | 9.3 | 0.0\% | 22,917.8 | 11.6 | 0.1\% | 22,915.5 | 13.9 | 0.1\% | 22,914.4 | 15.0 | 0.1\% |
| ME4 | 365516 | 2017 | Wet | May | - | 6,273.3 | 6,263.8 | 9.5 | 0.2\% | 6,262.4 | 10.9 | 0.2\% | 6,259.7 | 13.5 | 0.2\% | 6,256.9 | 16.3 | 0.3\% | 6,254.2 | 19.1 | 0.3\% | 6,251.4 | 21.9 | 0.3\% |
| me 4 | 365516 | 2017 | wet | June | - | 2,115.4 | 2,096.9 | 18.5 | 0.9\% | 2,094.2 | 21.2 | 1.0\% | 2,088.9 | 26.5 | 1.3\% | 2,083.6 | 31.8 | 1.5\% | 2,078.4 | 37.0 | 1.8\% | 2,073.1 | 42.2 | 2.0\% |
| ME4 4 | 365516 | 2017 | Wet | July | - | 933.4 | 913.4 | 20.0 | 2.1\% | 910.5 | 22.9 | 2.4\% | 904.8 | 28.5 | 3.1\% | 899.2 | 34.2 | 3.7\% | 893.5 | 39.9 | 4.3\% | 887.9 | 45.5 | 4.9\% |
| ME 4 | 365516 | 2017 | Wet | August | -- | 505.5 | 486.3 | 19.2 | 3.8\% | 483.5 | 22.0 | 4.4\% | 478.1 | 27.5 | 5.4\% | 472.6 | 32.9 | 6.5\% | 467.1 | 38.4 | 7.6\% | 461.7 | 43.8 | 8.7\% |
| me4 | 365516 | 2017 | Wet | September | Used in Summary Table Analysis | 321.8 | 304.2 | 17.6 | 5.5\% | 301.7 | 20.2 | 6.3\% | 296.7 | 25.2 | 7.8\% | 291.6 | 30.2 | 9.4\% | 286.6 | 35.2 | 11.0\% | 281.6 | 40.3 | 12.5\% |
| ME 4 | 365516 | 2018 | Above Normal | October | Used in Summary Table Analysis | 274.6 | 260.8 | 13.8 | 5.0\% | 258.8 | 15.8 | 5.8\% | 254.8 | 19.8 | 7.2\% | 250.8 | 23.8 | 8.7\% | 246.9 | 27.7 | 10.1\% | 242.9 | 31.7 | 11.5\% |
| me 4 | 365516 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,780.4 | 10,769.7 | 10.8 | 0.1\% | 10,768.2 | 12.3 | 0.1\% | 10,765.0 | 15.4 | 0.1\% | 10,761.9 | 18.5 | 0.2\% | 10,758.8 | 21.6 | 0.2\% | 10,755.7 | 24.8 | 0.2\% |
| ME4 4 | ${ }^{365556}$ | 2018 | Above Normal | December - | -- | 5,445.5 | 5,436.3 | 9.1 | 0.2\% | 5,435.1 | 10.4 | 0.2\% | 5,432.4 | 13.1 | 0.2\% | 5,429.7 | 15.7 | 0.3\% | 5,427.1 | 18.4 | 0.3\% | 5,424.3 | 21.2 | 0.4\% |
| ME4 4 | 365516 | 2018 | Above Normal | January |  | 17,761.6 | 17,753.5 | 8.1 | 0.0\% | 17,752.3 | 9.3 | 0.1\% | 17,750.0 | 11.6 | 0.1\% | 17,747.7 | 13.9 | 0.1\% | 17,745.4 | 16.2 | 0.1\% | 17,743.1 | 18.5 | 0.1\% |
| ME 4 | 365516 365516 | 2018 | Above Normal | February | - | $\begin{array}{r}7,597.1 \\ \hline \text { 20875 }\end{array}$ | $\begin{array}{r}7,589.7 \\ \hline 20686\end{array}$ | 7.4 6.9 | 0.1\% |  | 8.4 | 0.1\% | $7,586.5$ 20671 | 10.6 | ${ }^{0.1 \%}$ | $7,584.3$ 20,659 | 12.8 | ${ }^{0.2 \%}$ | $7,582.1$ 20636 | 15.0 | ${ }^{0.2 \%}$ | 7,579.9 206713 | 17.2 | ${ }^{0.2 \%}$ |
| ME 4 | 365516 | 2018 | Above Normal | March | - | 20,687.5 | 20,680.6 | 6.9 | 0.0\% | 20,679.4 | 8.1 | 0.0\% | 20,677.1 | 10.4 | 0.1\% | 20,675.9 | 11.6 | 0.1\% | 20,673.6 | 13.9 | 0.1\% | 20,671.3 | 16.2 | 0.1\% |
| ME 4 | 365516 | 2018 | Above Normal | April | - | 32,187.5 | 32,180.6 | 6.9 | 0.0\% | 32,179.4 | 8.1 | 0.0\% | 32,177.1 | 10.4 | 0.0\% | 32,175.9 | 11.6 | 0.0\% | 32,173.6 | 13.9 | 0.0\% | 32,171.3 | 16.2 | 0.1\% |
| ME4 | 365516 | 2018 | Above Normal | May | - | 6,988.8 | 6,974.2 | 14.6 | 0.2\% | 6,972.1 | 16.7 | 0.2\% | 6,968.1 | 20.7 | 0.3\% | 6,963.9 | 24.9 | ${ }^{0.4 \%}$ | ${ }^{6,95957}$ | 29.1 | 0.4\% | ${ }^{6,9555.8}$ | 33.0 | 0.5\% |
| ME4 4 | 365516 | 2018 | Above Normal | June |  | 1,913.4 | 1,894.8 | 18.6 | 1.0\% | 1,892.1 | ${ }^{21.3}$ | 1.1\% | 1,886.8 | 26.6 | 1.4\% | 1,881.5 | 31.9 | 1.7\% | 1,876.2 | 37.3 | 1.9\% | 1,870.8 | 42.6 | 2.2\% |
| ME 4 | 365516 365516 | 2018 | Above Normal | July | - | 780.6 | 760.6 423 | 20.0 185 | 2.6\% | 757.7 4207 | 22.9 | 2.9\% $4.8 \%$ | 752.1 4154 | 28.5 26.4 | ${ }^{3.7 \%}$ | 746.4 | 34.2 | 4.4\% | 740.7 4048 | 39.9 | 5.1\% | 735.0 3906 | 45.6 | 5.8\% |
| ME 4 | 365516 | 2018 | Above Normal | August | -- | 441.8 | 423.3 | 18.5 | 4.2\% | 420.7 | 21.1 | 4.8\% | 415.4 | 26.4 | 6.0\% | 410.1 | 31.7 | 7.2\% | 404.8 | 36.9 | 8.4\% | 399.6 | 42.2 | ${ }^{\text {9.6\% }}$ |
| me4 | 365516 | 2018 | Above Normal | September | Used in Summary Table Analysis | 299.3 | 281.6 | 17.6 | 5.9\% | 279.1 | 20.2 | 6.7\% | 274.1 | 25.2 | 8.4\% | 269.1 | 30.2 | 10.1\% | 264.0 | 35.3 | 11.8\% | 258.9 | 40.3 | 13.5\% |
| ME 4 | 365516 | 2019 | Below Normal | October | Used in Summary Table Analysis | 207.3 | 193.8 | 13.6 | 6.5\% | 191.9 | 15.5 | 7.5\% | 188.0 | 19.4 | 9.3\% | 183.9 | 23.4 18.5 | 11.3\% | 180.2 | 27.2 218 | - $13.1{ }^{\text {c.1. }}$ | 176.3 65913 | 31.1 24.9 | 15.0\% |
| ME4 | 365516 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,616.2 | 6,605.4 | 10.8 | 0.2\% | 6,603.9 | 12.3 | 0.2\% | 6,600.8 | 15.4 | 0.2\% | 6,597.7 | 18.5 | 0.3\% | 6,594.4 | 21.8 | 0.3\% | 6,591.3 | 24.9 | 0.4\% |
| ME4 4 | ${ }^{3655516}$ | 2019 | Below Normal | December | - | $14,653.9$ 35195 | $14,644.7$ 351875 | ${ }_{81}^{9.3}$ | ${ }^{0.1 \%}$ | $14,643.5$ $\begin{aligned} & \text { 351863 }\end{aligned}$ 14.88. | 10.4 | 0.1\% | $14,640.0$ 351840 | 13.9 | ${ }^{0.1 \%}$ | $14,637.7$ 35,1817 | 16.2 | 0.1\% $0.0 \%$ | $14,635.4$ 35.178 .2 | 18.5 17.4 | 0.1\% $0.0 \%$ | $14,631.9$ 35175.9 1, | 22.0 19.7 | $0.2 \%$ $0.1 \%$ |
| ME 4 ME 4 | 365516 365516 | 2019 | Below Normal Below Normal | January February |  | $35,195.6$ $141,888.1$ | $35,187.5$ $141,886.6$ | 8.1 11.6 | 0.0\% 0.0\% | $35,186.3$ $141,886.6$ | $\begin{gathered} 9.3 \\ 11.6 \end{gathered}$ | 0.0\% | $35,184.0$ $141,886.6$ | 11.6 11.6 | 0.0\% | $35,181.7$ $141,886.6$ | 13.9 11.6 | 0.0\% | $35,178.2$ 141875.0 | 17.4 23.1 | 0.0\% 0.0\% | $35,175.9$ $141,875.0$ | 19.7 23.1 | 0.1\% |
| me 4 | 365516 | 2019 | Below Normal | March | - | 42,309.0 | 42,300.9 | 8.1 | 0.0\% | 42,300.9 | 8.1 | 0.0\% | 42,298.6 | 10.4 | 0.0\% | 42,296.3 | 12.7 | 0.0\% | 42,295.1 | 13.9 | 0.0\% | 42,292.8 | 16.2 | 0.0\% |
| me 4 | 365516 | 2019 | Below Normal | April |  | 15,269.7 | 15,262.7 | 6.9 | 0.0\% | 15,261.6 | 8.1 | 0.1\% | 15,260.4 | 9.3 | 0.1\% | 15,258.1 | 11.6 | 0.1\% | 15,255.8 | 13.9 | 0.1\% | 15,253.5 | 16.2 | 0.1\% |
| me 4 | 365516 | 2019 | Below Normal | May | - | 16,922.5 | 16,907.4 | 15.0 | 0.1\% | 16,905.1 | 17.4 | 0.1\% | 16,900.5 | 22.0 | 0.1\% | 16,895.8 | 26.6 | 0.2\% | 16,891.2 | 31.3 | 0.2\% | 16,886,6 | 35.9 | 0.2\% |
| me 4 | 365516 | 2019 | Below Normal | June | - | 4,243.6 | 4,223.3 | 20.4 | 0.5\% | 4,220.4 | 23.3 | 0.5\% | 4,214.8 | 28.8 | 0.7\% | 4,209.4 | ${ }^{34.3}$ | 0.8\% | 4,203.9 | 39.7 | ${ }^{\text {0.9\% }}$ | 4,198.5 | 45.1 | 1.1\% |
| me 4 | 365516 | 2019 | Below Normal | July | - | 1,360.2 | 1,340.2 | 20.0 | 1.5\% | 1,337.3 | 22.9 | 1.7\% | 1,331.5 | 28.7 | 2.1\% | 1,325.8 | 34.4 | 2.5\% | 1,320.1 | 40.0 | 2.9\% | 1,314.4 | 45.8 | 3.4\% |
| ME4 | 365516 | 2019 | Below Normal | August | 研 | 595.4 | 576.4 | 19.0 | 3.2\% | 573.7 | 21.8 | 3.7\% | 568.3 | 27.2 | ${ }^{4.6 \%}$ | 562.9 | 32.5 30.1 | 5.5\% | 557.5 | 38.0 35. | ${ }^{6.4 \%}$ | 552.1 | 43.4 | $7.3 \%$ $8.7 \%$ |
| ME 4 | 365516 | 2019 | Below Normal | September | Used in Summary Table Analysis | 461.8 | 444.3 | 17.6 | 3.8\% | 441.7 | 20.1 | 4.3\% | 436.7 | 25.1 | 5.4\% | 431.7 | 30.1 | 6.5\% | 426.7 | 35.2 | 7.6\% | 421.7 | 40.2 | 8.7\% $8.4 \%$ 1.7 |
| ME 4 | ${ }^{365556}$ | 2020 | Dry | October | Used in Summary Table Analysis | 355.3 | 342.2 | 13.0 | 3.7\% | 340.3 | 14.9 | 4.2\% | 336.6 | 18.7 | 5.3\% | 332.8 | 22.4 | 6.3\% | 329.0 | 26.2 | 7.4\% | 325.3 | 30.0 | 8.4\% |
| ME 4 ME 4 | 365516 365516 | 2020 2020 | Dry Dry | ${ }^{\text {November }}$ December - | Used in Summary Table Analysis | 318.2 $13,266.2$ | 308.0 $13,256.9$ | ${ }_{9.3}^{10.2}$ | $3.2 \%$ $0.1 \%$ | 306.5 <br> $13,255.8$ | 11.6 10.4 | 3.7\% | 303.6 $13,253.5$ | 14.6 12.7 | ${ }^{4.6 \%}$ | 3300.6 13.251 .2 | 17.5 15.0 | 5.5\% | 297.7 $13,247.7$ | 20.5 18.5 | ${ }^{6.4 \%}$ | 294.7 $13,245.4$ | 23.5 20.8 | $7.4 \%$ $0.2 \%$ |
| ME 4 | 365516 | 2020 | Dry | January | - | 22,316.0 | 22,307.9 | 8.1 | 0.0\% | 22,306.7 | 9.3 | 0.0\% | 22,303.2 | 12.7 | 0.1\% | 22,300.9 | 15.0 | 0.1\% | 22,298.6 | 17.4 | 0.1\% | 22,296.3 | 19.7 | 0.1\% |
| me 4 | 365516 | 2020 | Dry | February |  | 7,414.6 | 7,406.9 | 7.6 | 0.1\% | 7,405.9 | 8.7 | 0.1\% | 7,403.7 | 10.9 | 0.1\% | 7,401.4 | 13.2 | 0.2\% | 7,399.2 | 15.4 | 0.2\% | 7,397.0 | 17.6 | 0.2\% |
| me 4 | 365516 | 2020 | Dry | March | - | 7,241.4 | 7,234.4 | 7.1 | 0.1\% | 7,233.3 | 8.1 | 0.1\% | 7,231.1 | 10.3 | 0.1\% | 7,229.1 | 12.4 | 0.2\% | 7,226.9 | 14.6 | 0.2\% | 7,224.8 | 16.7 | 0.2\% |
| ME 4 | ${ }^{3655516}$ | 2020 | Dry | April | - | 5,480.0 | 5,464.7 | 15.3 | 0.3\% | 5,462.6 | 17.4 | 0.3\% | 5,458.2 | 21.8 | 0.4\% | 5,453.7 | ${ }^{26.3}$ | 0.5\% | 5,449.3 | 30.7 | 0.6\% | 5,444.9 | 35.1 | 0.6\% |
|  | 365516 | 2020 | Dry | May | - | 7,372.9 | 7,354.6 | 18.3 | 0.2\% | 7,352.1 | 20.8 | 0.3\% | 7,346.9 | 26.0 | 0.4\% | 7,341.4 | 31.5 | 0.4\% | 7,336.2 | 36.7 | 0.5\% | 7,331.0 | 41.9 | 0.6\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \& \& \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Water Year Water Year Type}} \& \multirow[b]{2}{*}{Month} \& \& \multirow[b]{2}{*}{\begin{tabular}{l}
Flow Without Pumping \\
(cfs)
\end{tabular}} \& \multicolumn{3}{|c|}{75\% Pumping Increase} \& \multicolumn{3}{|c|}{100\% Pumping Increase} \& \multicolumn{3}{|c|}{150\% Pumping Increase} \& \multicolumn{3}{|c|}{200\% Pumping Increase} \& \multicolumn{3}{|c|}{250\% Pumping Increase} \& \multicolumn{3}{|c|}{300\% Pumping Increase} \\
\hline Surface Water Depletion Area Area of Interest \& (Row, Column, Surface Water Reach) \& \& \& \& Note \& \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (ffs) \& Flow
Difference (cfs) \& Percent Difference \& Flow (cts) \& \[
\begin{aligned}
\& \text { Flow } \\
\& \text { Difference } \\
\& \text { (cfs) }
\end{aligned}
\] \& Percent
Difference \& Flow (ffs) \& \[
\begin{gathered}
\text { Fiow } \\
\text { Difference } \\
\text { (cts) }
\end{gathered}
\] \& Percent
Difference \& Flow (cts) \& Flow
Difference (cfs) \& Percent
Difference \& Flow (ffs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \\
\hline ME4 \& 365516 \& 2020 \& Dry \& June \& - \& 2,104.6 \& 2,080.7 \& 24.0 \& 1.1\% \& 2,077.3 \& 27.3 \& 1.3\% \& 2,070.8 \& 33.8 \& 1.6\% \& 2,064.5 \& 40.2 \& 1.9\% \& 2,057.9 \& 46.8 \& 2.2\% \& 2,051.4 \& 53.2 \& 2.5\% \\
\hline ME4 \& 365516 \& 2020 \& Dry \& July \& -- \& 795.9 \& 772.6 \& 23.3 \& 2.9\% \& 769.3 \& 26.6 \& 3.3\% \& 762.6 \& 33.3 \& 4.2\% \& 756.0 \& 39.9 \& 5.0\% \& 749.3 \& 46.6 \& 5.8\% \& 742.7 \& 53.2 \& 6.7\% \\
\hline ME4 \& 365516 \& 2020 \& Dry \& August \& -- \& 398.5 \& 375.7 \& 22.8 \& 5.7\% \& 372.4 \& 26.1 \& 6.5\% \& 365.9 \& 32.6 \& 8.2\% \& 359.4 \& 39.1 \& 9.8\% \& 352.9 \& 45.6 \& 11.4\% \& 346.4 \& 52.1 \& 13.1\% \\
\hline me4 \& 365516 \& 2020 \& Dry \& September \& Used in Summary Table Analysis \& 247.9 \& 227.7 \& 20.2 \& 8.2\% \& 224.8 \& 23.1 \& 9.3\% \& 218.2 \& 29.8 \& 12.0\% \& 212.1 \& 35.8 \& 14.5\% \& 205.8 \& 42.1 \& 17.0\% \& 199.6 \& 48.3 \& 19.5\% \\
\hline ME4 \& 365417 \& 2000 \& Above Normal \& October \& Used in Summary Table Analysis \& 815.5 \& 801.9 \& 13.6 \& 1.7\% \& 800.0 \& 15.5 \& 1.9\% \& 796.2 \& 19.4 \& 2.4\% \& 792.2 \& 23.3 \& 2.9\% \& 788.3 \& 27.2 \& 3.3\% \& 784.4 \& 31.1 \& 3.8\% \\
\hline ME4 \& 365417 \& 2000 \& Above Normal \& November \& Used in Summary Table Analysis \& 12,111.1 \& 12,100.7 \& 10.4 \& 0.1\% \& 12,098.4 \& 12.7 \& 0.1\% \& 12,096.1 \& 15.0 \& 0.1\% \& 12,092.6 \& 18.5 \& 0.2\% \& 12,089.1 \& 22.0 \& 0.2\% \& 12,086.8 \& 24.3 \& 0.2\% \\
\hline ME4 \& 365417 \& 2000 \& Above Normal \& December - \& -- \& 10,807.3 \& 10,798.0 \& 9.3 \& 0.1\% \& 10,796.8 \& 10.5 \& 0.1\% \& 10,794.1 \& 13.2 \& 0.1\% \& 10,791.3 \& 16.0 \& 0.1\% \& 10,788.7 \& 18.6 \& 0.2\% \& 10,785.9 \& 21.4 \& 0.2\% \\
\hline ME4 \& 365417 \& 2000 \& Above Normal \& January \& -- \& 28,564.8 \& 28,55.6 \& 9.3 \& 0.0\% \& 28,554.4 \& 10.4 \& 0.0\% \& 28,552.1 \& 12.7 \& 0.0\% \& 28,549.8 \& 15.0 \& 0.1\% \& 28,547.5 \& 17.4 \& 0.1\% \& 28,545.1 \& 19.7 \& 0.1\% \\
\hline me4 \& 365417 \& 2000 \& Above Normal \& February \& -- \& 37,034.7 \& 37,026,6 \& 8.1 \& 0.0\% \& 37,025.5 \& 9.3 \& 0.0\% \& 37,023.1 \& 11.6 \& 0.0\% \& 37,020.8 \& 13.9 \& 0.0\% \& 37,018.5 \& 16.2 \& 0.0\% \& 37,016.2 \& 18.5 \& 0.1\% \\
\hline ME4 \& 365417 \& 2000 \& Above Normal \& March \& -- \& 18,314.8 \& 18,307.9 \& 6.9 \& 0.0\% \& 18,306.7 \& 8.1 \& 0.0\% \& 18,304.4 \& 10.4 \& 0.1\% \& 18,303.2 \& 11.6 \& 0.1\% \& 18,300.9 \& 13.9 \& 0.1\% \& 18,298.6 \& 16.2 \& 0.1\% \\
\hline me4 \& 365417 \& 2000 \& Above Normal \& April \& - \& 12,313.7 \& 12,306.7 \& 6.9 \& 0.1\% \& 12,305.6 \& 8.1 \& 0.1\% \& 12,303.2 \& 10.4 \& 0.1\% \& 12,300.9 \& 12.7 \& 0.1\% \& 12,299.8 \& 13.9 \& 0.1\% \& 12,297.5 \& 16.2 \& 0.1\% \\
\hline ME4 \& 365417 \& 2000 \& Above Normal \& May \& -- \& 7,093.6 \& 7,078.7 \& 14.9 \& 0.2\% \& 7,076.5 \& 17.1 \& 0.2\% \& 7,072.2 \& 21.4 \& 0.3\% \& 7,067.8 \& 25.8 \& 0.4\% \& 7,063.5 \& 30.1 \& 0.4\% \& 7,059.3 \& 34.4 \& 0.5\% \\
\hline ME4 \& 365417 \& 2000 \& Above Normal \& June \& - \& 2,611.0 \& 2,588.7 \& 22.3 \& 0.9\% \& 2,585.5 \& 25.5 \& 1.0\% \& 2,579.2 \& 31.8 \& 1.2\% \& 2,572.8 \& 38.2 \& 1.5\% \& 2,566.6 \& 44.4 \& 1.7\% \& 2,560.2 \& 50.8 \& 1.9\% \\
\hline me4 \& 365417 \& 2000 \& Above Normal \& July \& - \& 991.4 \& 971.5 \& 20.0 \& 2.0\% \& 968.6 \& 22.8 \& 2.3\% \& 962.9 \& 28.5 \& 2.9\% \& 957.3 \& 34.1 \& 3.4\% \& 951.7 \& 39.8 \& 4.0\% \& 946.0 \& 45.4 \& 4.6\% \\
\hline me4 \& 365417 \& 2000 \& Above Normal \& August \& -- \& 521.4 \& 502.7 \& 18.6 \& 3.6\% \& 500.1 \& 21.3 \& 4.1\% \& 494.8 \& 26.6 \& 5.1\% \& 489.5 \& 31.9 \& 6.1\% \& 484.2 \& 37.2 \& 7.1\% \& 478.9 \& 42.5 \& 8.1\% \\
\hline me4 \& 365417 \& 2000 \& Above Normal \& September \& Used in Summary Table Analysis \& 294.7 \& 278.3 \& 16.4 \& 5.6\% \& 276.0 \& 18.7 \& 6.4\% \& 271.3 \& 23.4 \& 7.9\% \& 266.6 \& 28.1 \& 9.5\% \& 262.0 \& 32.8 \& 11.1\% \& 257.3 \& 37.4 \& 12.7\% \\
\hline me 4 \& 365417 \& 2001 \& Dry \& October \& Used in Summary Table Analysis \& 3,813.4 \& 3,800.0 \& 13.4 \& 0.4\% \& 3,798.1 \& 15.3 \& 0.4\% \& 3,794.2 \& 19.2 \& 0.5\% \& 3,790.4 \& 23.0 \& 0.6\% \& 3,786.6 \& 26.9 \& 0.7\% \& 3,782.8 \& 30.7 \& 0.8\% \\
\hline ME4 \& 365417 \& 2001 \& Dry \& November \& Used in Summary Table Analysis \& 6,121.6 \& 6,110.9 \& 10.8 \& 0.2\% \& 6,109.4 \& 12.3 \& 0.2\% \& 6,106.3 \& 15.4 \& 0.3\% \& 6,103.1 \& 18.5 \& 0.3\% \& 6,100.1 \& 21.5 \& 0.4\% \& 6,096.9 \& 24.8 \& 0.4\% \\
\hline me4 \& 365417 \& 2001 \& Dry \& December - \& -- \& 8,836.1 \& 8,826.7 \& 9.4 \& 0.1\% \& 8,825.5 \& 10.6 \& 0.1\% \& 8,822.7 \& 13.4 \& 0.2\% \& 8,820.0 \& 16.1 \& 0.2\% \& 8,817.4 \& 18.8 \& 0.2\% \& 8,814.6 \& 21.5 \& 0.2\% \\
\hline me4 \& 365417 \& 2001 \& Dry \& January \& -- \& 12,785.9 \& 12,777.8 \& 8.1 \& 0.1\% \& 12,776.6 \& 9.3 \& 0.1\% \& 12,774.3 \& 11.6 \& 0.1\% \& 12,772.0 \& 13.9 \& 0.1\% \& 12,769.7 \& 16.2 \& 0.1\% \& 12,767.4 \& 18.5 \& 0.1\% \\
\hline me4 \& 365417 \& 2001 \& Dry \& February - \& -- \& 17,468.8 \& 17,461.8 \& 6.9 \& 0.0\% \& 17,460.6 \& 8.1 \& 0.0\% \& 17,458.3 \& 10.4 \& 0.1\% \& 17,456.0 \& 12.7 \& 0.1\% \& 17,453.7 \& 15.0 \& 0.1\% \& 17,451.4 \& 17.4 \& 0.1\% \\
\hline ME4 4 \& 365417 \& 2001 \& Dry \& March \&  \& 12,296.3 \& 12,288.2 \& 8.1 \& 0.1\% \& 12,287.0 \& 9.3 \& 0.1\% \& 12,285.9 \& 10.4 \& 0.1\% \& 12,283.6 \& 12.7 \& 0.1\% \& 12,281.3 \& 15.0 \& 0.1\% \& 12,278.9 \& 17.4 \& 0.1\% \\
\hline ME4 \& 365417 \& 2001 \& Dry \& April \& - \& 10,970.6 \& 10,955.2 \& 15.4 \& 0.1\% \& 10,953.0 \& 17.6 \& 0.2\% \& 10,948.6 \& 22.0 \& 0.2\% \& 10,944.1 \& 26.5 \& 0.2\% \& 10,939.7 \& 30.9 \& 0.3\% \& 10,935.3 \& 35.3 \& 0.3\% \\
\hline me4 \& 365417 \& 2001 \& Dry \& May \& - \& 2,637.3 \& 2,619.1 \& 18.2 \& 0.7\% \& 2,616.4 \& 20.8 \& 0.8\% \& 2,611.2 \& 26.0 \& 1.0\% \& 2,606.0 \& 31.3 \& 1.2\% \& 2,600.8 \& 36.5 \& 1.4\% \& 2,595.6 \& 41.7 \& 1.6\% \\
\hline me4 \& 365417 \& 2001 \& Dry \& June \& - \& 2,647.1 \& 2,622.3 \& 24.8 \& 0.9\% \& 2,618.9 \& 28.2 \& 1.1\% \& 2,611.8 \& 35.3 \& 1.3\% \& 2,604,9 \& 42.2 \& 1.6\% \& 2,597.9 \& 49.2 \& 1.9\% \& 2,591.0 \& 56.1 \& 2.1\% \\
\hline me4 \& 365417 \& 2001 \& Dry \& July \& -- \& 718.4 \& 695.5 \& 22.9 \& 3.2\% \& 692.3 \& 26.2 \& 3.6\% \& 685.8 \& 32.7 \& 4.5\% \& 679.3 \& 39.1 \& 5.4\% \& 672.8 \& 45.6 \& 6.3\% \& 666.3 \& 52.1 \& 7.3\% \\
\hline ME4 \& 365417 \& 2001 \& Dry \& August \& - \& 172.1 \& 149.9 \& 22.2 \& 12.9\% \& 146.8 \& 25.4 \& 14.7\% \& 140.4 \& 31.7 \& 18.4\% \& 134.1 \& 38.0 \& 22.1\% \& 127.8 \& 44.3 \& 25.7\% \& 121.5 \& 50.6 \& 29.4\% \\
\hline ME4 \& 365417 \& 2001 \& Dry \& September \& Used in Summary Table Analysis \& 94.9 \& 75.3 \& 19.7 \& 20.7\% \& 72.5 \& 22.5 \& 23.7\% \& 66.9 \& 28.1 \& 29.6\% \& 61.3 \& 33.7 \& 35.5\% \& 55.7 \& 39.3 \& 41.4\% \& 50.1 \& 44.9 \& 47.3\% \\
\hline me4 \& 365417 \& 2002 \& Below Normal \& October \& Used in Summary Table Analysis \& 264.5 \& 248.2 \& 16.3 \& 6.2\% \& 245.9 \& 18.6 \& 7.0\% \& 241.2 \& 23.3 \& 8.8\% \& 236.5 \& 28.0 \& 10.6\% \& 231.9 \& 32.6 \& 12.3\% \& 227.2 \& 37.3 \& 14.1\% \\
\hline ME4 \& 365417 \& 2002 \& Below Normal \& November \& Used in Summary Table Analysis \& 12,022.0 \& 12,009.3 \& 12.7 \& 0.1\% \& 12,008.1 \& 13.9 \& 0.1\% \& 12,003.5 \& 18.5 \& 0.2\% \& 12,000.0 \& 22.0 \& 0.2\% \& 11,996.5 \& 25.5 \& 0.2\% \& 11,993.1 \& 28.9 \& 0.2\% \\
\hline me4 \& 365417 \& 2002 \& Below Normal \& December - \& \& 35,672.5 \& 35,660.9 \& 11.6 \& 0.0\% \& 35,659.7 \& 12.7 \& 0.0\% \& 35,656.3 \& 16.2 \& 0.0\% \& 35,652.8 \& 19.7 \& 0.1\% \& 35,649.3 \& 23.1 \& 0.1\% \& 35,645.8 \& 26.6 \& 0.1\% \\
\hline ME4 \& 365417 \& 2002 \& Below Normal \& January \& - \& 30,871.5 \& 30,861.1 \& 10.4 \& 0.0\% \& 30,860.0 \& 11.6 \& 0.0\% \& 30,856.5 \& 15.0 \& 0.0\% \& 30,854.2 \& 17.4 \& 0.1\% \& 30,851.9 \& 19.7 \& 0.1\% \& 30,848.4 \& \({ }^{23.1}\) \& 0.1\% \\
\hline ME4 \& 365417 \& 2002 \& Below Normal \& February \& \& 24,673.6 \& 24,664.4 \& 9.3 \& 0.0\% \& 24,663.2 \& 10.4 \& 0.0\% \& 24,660.9 \& 12.7 \& 0.1\% \& 24,658.6 \& 15.0 \& 0.1\% \& 24,655.1 \& 18.5 \& 0.1\% \& 24,652.8 \& 20.8 \& 0.1\% \\
\hline me4 \& 365417 \& 2002 \& Below Normal \& March \& -- \& 17,776.6 \& 17,767.4 \& 9.3 \& 0.1\% \& 17,766.2 \& 10.4 \& 0.1\% \& 17,763.9 \& 12.7 \& 0.1\% \& 17,761.6 \& 15.0 \& 0.1\% \& 17,759.3 \& 17.4 \& 0.1\% \& 17,756.9 \& 19.7 \& 0.1\% \\
\hline ME4 \& 365417 \& 2002 \& Below Normal \& April \& -- \& 9,924.1 \& 9,908.7 \& 15.4 \& 0.2\% \& 9,906.4 \& 17.7 \& 0.2\% \& 9,902.0 \& 22.1 \& 0.2\% \& 9,897.7 \& 26.4 \& 0.3\% \& 9,893.3 \& 30.8 \& 0.3\% \& 9,888.8 \& 35.3 \& 0.4\% \\
\hline me4 \& 365417 \& 2002 \& Below Normal \& May \& - \& 3,319.1 \& 3,300.9 \& 18.2 \& 0.5\% \& 3,298.3 \& 20.8 \& 0.6\% \& 3,293.1 \& 26.0 \& 0.8\% \& 3,888.0 \& 31.1 \& 0.9\% \& 3,282.6 \& 36.5 \& 1.1\% \& 3,277.4 \& 41.7 \& 1.3\% \\
\hline ME4 \& 365417 \& 2002 \& Below Normal \& June \& -- \& 853.7 \& 833.2 \& 20.5 \& 2.4\% \& 830.3 \& 23.4 \& 2.7\% \& 824.5 \& 29.2 \& 3.4\% \& 818.7 \& 35.0 \& 4.1\% \& 812.8 \& 40.9 \& 4.8\% \& 807.1
3152 \& 46.6 \& 5.5\% \\
\hline ME4 \& 365417 \& 2002 \& Below Normal \& July \& - \& 362.1 \& 341.5 \& 20.6 \& 5.7\% \& 338.6 \& 23.5 \& 6.5\% \& 332.7 \& 29.4 \& 8.1\% \& 326.9 \& 35.2 \& 9.7\% \& 321.0 \& 41.1 \& 11.3\% \& 315.2 \& 46.9 \& 13.\% \\
\hline me4 \& 365417 \& 2002 \& Below Normal \& August \& -- \& 226.6 \& 207.4 \& 19.2 \& 8.5\% \& 204.7 \& 22.0 \& 9.7\% \& 199.2 \& 27.4 \& 12.1\% \& 193.7 \& 32.9 \& 14.5\% \& 188.2 \& 38.4 \& 16.9\% \& 182.8 \& 43.9 \& 19.4\% \\
\hline ME4 \& 365417 \& 2002 \& Below Normal \& September \& Used in Summary Table Analysis \& 163.4 \& 145.4 \& 18.0 \& 11.0\% \& 142.8 \& 20.6 \& 12.6\% \& 137.7 \& 25.8 \& 15.8\% \& 132.5 \& 30.9 \& 18.9\% \& 127.3 \& 36.1 \& 22.1\% \& 122.2 \& 41.2 \& 25.2\% \\
\hline me4 \& 365417 \& 2003 \& Wet \& October \& Used in Summary Table Analysis \& 128.4 \& 113.8 \& 14.6 \& 11.4\% \& 111.7 \& 16.7 \& 13.0\% \& 107.5 \& 20.9 \& 16.3\% \& 103.3 \& 25.1 \& 19.5\% \& 99.1 \& 29.3 \& 22.8\% \& 94.9 \& 33.5 \& 26.1\% \\
\hline ME4 \& 365417 \& 2003 \& Wet \& November \& Used in Summary Table Analysis \& 895.6 \& 884.0 \& 11.6 \& 1.3\% \& 882.3 \& 13.3 \& 1.5\% \& 879.0 \& 16.6 \& 1.9\% \& 875.6 \& 20.0 \& 2.2\% \& 872.3 \& \({ }^{23.3}\) \& 2.6\% \& 868.9
56.797 \& 26.7 \& 3.0\% \\
\hline ME4 \& 365417 \& 2003 \& Wet \& December - \& \& 56,792.8 \& 56,782.4 \& 10.4 \& 0.0\% \& 56,781.3 \& 11.6 \& 0.0\% \& 56,777.8 \& 15.0 \& 0.0\% \& 56,775.5 \& 17.4 \& 0.0\% \& 56,772.0 \& 20.8 \& 0.0\% \& 56,769.7 \& 23.1 \& 0.0\% \\
\hline ME4 \& 365417
365417 \& 2003 \& Wet \& January \& - \& \(31,526.6\)

20,519 \& 31,517.4 \& 9.3 \& 0.0\% \& 31,516.2 \& 10.4 \& 0.0\% \& $31,512.7$
20,3391 \& 13.9 \& ${ }^{0.0 \%}$ \& $31,510.4$
20,368 \& 16.2 \& ${ }^{0.1 \%}$ \& 31.508 .1
30,384 \& 18.5
17.4 \& ${ }^{0.1 \%}$ \& 31,504.6 \& 22.0 \& ${ }^{0.1 \%}$ <br>
\hline ME4 \& 365417 \& 2003 \& Wet \& February - \& \& 20,351.9 \& 20,342.6 \& 9.3 \& 0.0\% \& 20,341.4 \& 10.4 \& 0.1\% \& 20,339.1 \& 12.7 \& 0.1\% \& 20,336.8 \& 15.0 \& 0.1\% \& 20,334.5 \& 17.4 \& 0.1\% \& 20,332.2 \& 19.7 \& 0.1\% <br>
\hline ME4 \& 365417 \& 2003 \& Wet \& March \& -- \& 24,030.1 \& 24,022.0 \& 8.1 \& 0.0\% \& 24,020.8 \& 9.3 \& 0.0\% \& 24,018.5 \& 11.6 \& 0.0\% \& 24,016.2 \& 13.9 \& 0.1\% \& 24,013.9 \& 16.2 \& 0.1\% \& 24,011.6 \& 18.5 \& 0.1\% <br>
\hline ME4 \& 365417 \& 2003 \& Wet \& April \&  \& 42,902.8 \& 42,894.7 \& 8.1 \& 0.0\% \& $42,893.5$ \& 9.3
174 \& 0.0\% \& 42,891.2 \& 11.6 \& 0.0\% \& 42,890.0
12,1968 \& 12.7 \& ${ }^{0.0 \%}$ \& 42,887.7 \& 15.0

31.3 \& 0.0\% \& | 42,885.4 |
| :--- |
| 128 |
| 12875 |
| 1285 | \& 17.4 \& ${ }_{\text {o }}^{0.0 \%}$ <br>

\hline ME4 \& 365417 \& 2003 \& Wet \& May \& - \& 12,223.4 \& 12,208.3 \& 15.0 \& ${ }^{0.1 \%}$ \& 12,206.0 \& 17.4 \& 0.1\% \& 12,201.4 \& 22.0 \& ${ }^{0.2 \%}$ \& $12,196.8$
$\mathbf{3}, 1328$
1,488 \& 26.6
337 \& 0.2\% \& $12,192.1$
1,127

1 \& 31.3 \& - ${ }_{\text {0.3\% }}^{12 \%}$ \& | $12,187.5$ |
| :--- |
| 3,1218 |
| 127 | \& 35.9

447 \& | $0.3 \%$ |
| :--- |
| $1.4 \%$ |
| 1.0 | <br>

\hline ME4 \& 365417 \& 2003 \& Wet \& June \& - \& 3,166.4 \& 3,146.6 \& 19.8 \& 0.6\% \& 3,143.9 \& | 22.6 |
| :--- |
| 23.4 | \& 0.7\% \& $3,1388.3$

14446 \& 28.1
292 \& 0.9\% \& $3,132.8$
1,7388 \& 33.7
350
350 \& 1.1\% \& $3,127.3$
14330 \& 39.1
40.7 \& $1.2 \%$
$2.8 \%$
.8 \& $3,121.8$
$1,427.2$
7 \& 44.7

46.5 \& | $1.4 \%$ |
| :--- |
| $3.2 \%$ | <br>

\hline ME 4
ME4 \& 365417 \& 2003 \& Wet \& July \& - \& 1,473.7 \& 1,453.2 \& 20.5 \& ${ }^{1.4 \%}$ \& 1,450.3 \& 23.4 \& 1.6\% \& $1,444.6$
7 \& 29.2 \& 2.0\% \& ${ }_{1}^{1,738.8}$ \& 35.0 \& 2.4\% \& 1,433.0 \& 40.7 \& ${ }_{\text {2.8\% }}^{2.8 \%}$ \& $1,427.2$
7145 \& 46.5 \& $3.2 \%$
$5.9 \%$ <br>
\hline ME4
ME \& 365417
365417 \& 2003
2003 \& Wet \& Aeptember \& Used in Summary Table Analysis \& 759.6
457.5 \& 740.0
440.8 \& 19.7
16.7 \& 2.6\% \& 737.1

438.4 \& | 22.5 |
| :--- |
| 19.1 |
| 1 | \& 3.2\% \& 731.5

43.7 \& | 28.1 |
| :--- |
| 23.8 |
| 1 | \& 3.2\% \& 725.9 \& 33.7

28.6 \& ${ }^{4.4 .2 \%}$ \& 424.2 \& 39.4
33.3 \& 7.3\% \& 114.5
419.4 \& 48.1
38.1 \& 5.3\% <br>
\hline me4 \& 365417 \& 2004 \& Wet \& October \& Used in Summary Table Analysis \& 324.4 \& 310.7 \& 13.6 \& 4.2\% \& 308.8 \& 15.6 \& 4.8\% \& 304.9 \& 19.5 \& 6.0\% \& 301.0 \& 23.4 \& 7.2\% \& 297.0 \& 27.3 \& 8.4\% \& 293.1 \& 31.3 \& 9.6\% <br>
\hline me4 \& 365417 \& 2004 \& Wet \& November \& Used in Summary Table Analysis \& 5,801.2 \& 5,790.3 \& 10.9 \& 0.2\% \& 5,788.7 \& 12.5 \& 0.2\% \& 5,785.5 \& 15.6 \& 0.3\% \& 5,782.3 \& 18.9 \& 0.3\% \& 5,779.2 \& 22.0 \& 0.4\% \& 5,775.9 \& 25.2 \& 0.4\% <br>
\hline ME4 \& 365417 \& 2004 \& Wet \& December - \& \& 36,304.4 \& 36,295.1 \& 9.3 \& 0.0\% \& 36,294.0 \& 10.4 \& 0.0\% \& 36,290.5 \& 13.9 \& 0.0\% \& 36,288.2 \& 16.2 \& 0.0\% \& 36,284.7 \& 19.7 \& 0.1\% \& 36,282.4 \& ${ }^{22.0}$ \& 0.1\% <br>
\hline me4 \& 365417 \& 2004 \& Wet \& January \& -- \& 31,469.9 \& 31,461.8 \& 8.1 \& 0.0\% \& 31,460.6 \& 9.3 \& 0.0\% \& 31,458.3 \& 11.6 \& 0.0\% \& 31,45.0 \& 13.9 \& 0.0\% \& 31,453.7 \& 16.2 \& 0.1\% \& 31,450.2 \& 19.7 \& 0.1\% <br>
\hline ME4 \& 365417 \& 2004 \& Wet \& February - \& - \& 38,232.6 \& $38,224.5$
165462 \& 8.1 \& 0.0\% \& 38,223.4 \& 9.3 \& 0.0\% \& $38,221.1$
165139 \& 11.6 \& 0.0\% \& $38,218.8$
165116 \& 13.9 \& 0.0\% \& $38,216.4$
165093 \& 16.2 \& 0.0\% \& $38,214.1$
$16,506.9$ \& 18.5
17.4 \& $0.0 \%$
$0.1 \%$
0.0 <br>
\hline ME4 \& 365417 \& 2004 \& Wet \& March \& \& 16,524.3 \& 16,516.2 \& 8.1 \& 0.0\% \& 16,515.0 \& 9.3 \& 0.1\% \& 16,513.9 \& 10.4 \& 0.1\% \& 16,511.6 \& 12.7 \& 0.1\% \& 16,509.3 \& 15.0 \& 0.1\% \& 16,506.9 \& 17.4 \& 0.1\% <br>
\hline ME4 \& 365417 \& 2004 \& Wet \& April \& - \& 9,450.0 \& 9,443.1 \& 6.9 \& 0.1\% \& 9,442.0 \& 8.0
172 \& 0.1\% \& 9,439.9
3,3980 \& 10.1 \& 0.1\% \& ${ }_{\text {9,333.0 }}$ \& 12.0
258 \& 0.1\% \& 9,9359.8 \& 14.2
30.2 \& $0.2 \%$
$0.9 \%$ \& $9,433.8$
$3,385.1$ \& 16.2
34.5 \& 0.2\%
$1.0 \%$

1. <br>
\hline ME 4
ME4
d \& 365417
365417 \& 2004 \& Wet
Wet \& May

June \& - \& 3,419.6 \& 3,404.5 \& 15.0 \& 0.4\% \& 3,402.3 \& 17.2 \& - ${ }_{\text {0.5\% }}$ \& | 3,39880 |
| :--- |
| 6648 | \& 21.5 \&  \& $3,393.8$

659.4 \& | 25.8 |
| :--- |
| 32.3 | \& . $0.8 \%$ \& 3,389.4 \& 30.2 \& ${ }_{\text {c }}^{\text {0.9\% }}$ \& 3,385.1 \& 34.5 \& 6.2\% <br>

\hline ME4 4 \& 365417 \& 2004 \& Wet \& July \& -- \& 355.8 \& 335.7 \& 20.0 \& 5.6\% \& 332.9 \& 22.9 \& 6.4\% \& 327.2 \& 28.6 \& 8.0\% \& 321.4 \& 34.3 \& 9.6\% \& 315.7 \& 40.0 \& 11.3\% \& 310.0 \& 45.7 \& 12.9\% <br>
\hline ME4 4 \& 365417 \& 2004 \& Wet \& August \& -- \& 224.7 \& 206.0 \& 18.8 \& 8.4\% \& 203.3 \& 21.5 \& 9.5\% \& 197.9 \& 26.8 \& 11.9\% \& 192.6 \& 32.2 \& 14.3\% \& 187.2 \& 37.5 \& 16.7\% \& 181.9 \& 42.9 \& 19.1\% <br>
\hline ME4 \& 365417 \& 2004 \& Wet \& September \& Used in Summary Table Analysis \& 161.8 \& 144.1 \& 17.7 \& 11.0\% \& 141.6 \& 20.3 \& 12.5\% \& 136.5 \& 25.3 \& 15.7\% \& 131.4 \& 30.4 \& 18.8\% \& 126.3 \& 35.5 \& 21.9\% \& 121.2 \& 40.6 \& 25.1\% <br>
\hline
\end{tabular}

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month | Note | Flowwithout Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Flow (cfs) |  |  | Flow Difference (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Percent } \\ \text { Difference } \end{gathered}$ |
| ME 4 | 365417 | 2005 | Above Normal |  | October | Used in Summary Table Analysis | 7,680.2 | 7,666.4 | 13.8 | 0.2\% | 7,664.4 | 15.9 | 0.2\% | 7,660.4 | 19.8 | 0.3\% | 7,656.4 | 23.8 | 0.3\% | 7,652.4 | 27.8 | 0.4\% | 7,648.4 | 31.8 | 0.4\% |
| ME 4 | 365417 | 2005 | Above Normal | Novembe | Used in Summary Table Analysis | 2,256.6 | 2,245.7 | 10.9 | 0.5\% | 2,244.1 | 12.5 | 0.6\% | 2,241.0 | 15.6 | 0.7\% | 2,237.8 | 18.8 | 0.8\% | 2,234,7 | 21.9 | 1.0\% | 2,231.6 | 25.0 | 1.1\% |
| me4 | 365417 | 2005 | Above Normal | December |  | 21,022.0 | 21,012.7 | 9.3 | 0.0\% | 21,001.6 | 10.4 | 0.0\% | 21,009.3 | 12.7 | 0.1\% | 21,005.8 | 16.2 | 0.1\% | 21,003.5 | 18.5 | 0.1\% | 21,000.0 | ${ }^{22.0}$ | 0.1\% |
| me 4 | 365417 | 2005 | Above Normal | January | - | 22,381.9 | 22,373.8 | 8.1 | 0.0\% | 22,372.7 | 9.3 | 0.0\% | 22,369.2 | 12.7 | 0.1\% | 22,366.9 | 15.0 | 0.1\% | 22,364.6 | 17.4 | 0.1\% | 22,362.3 | 19.7 | 0.1\% |
| ME4 | 365417 | 2005 | Above Normal | February - | - | 14,011.6 | 14,003.5 | 8.1 | 0.1\% | 14,002.3 | 9.3 | 0.1\% | 14,000.0 | 11.6 | 0.1\% | 13,997.7 | 13.9 | 0.1\% | 13,995.4 | 16.2 | 0.1\% | 13,993.1 | 18.5 | 0.1\% |
| ME4 | 365417 | 2005 | Above Normal | March |  | 28,564.8 | 28,557.9 | 6.9 | 0.0\% | 28,56.7 | 8.1 | 0.0\% | 28,554.4 | 10.4 | 0.0\% | 28,552.1 | 12.7 | 0.0\% | 28,549.8 | 15.0 | 0.1\% | 28,547.5 | 17.4 | 0.1\% |
| ME 4 | 365417 | 2005 | Above Normal | April | - | 21,444.4 | 21,437.5 | 6.9 | 0.0\% | 21,436.3 | 8.1 | 0.0\% | 21,434.0 | 10.4 | 0.0\% | 21,431.7 | 12.7 | 0.1\% | 21,429.4 | 15.0 | 0.1\% | 21,428.2 | 16.2 | 0.1\% |
| ME4 | 365417 | 2005 | Above Normal | May | - | 19,568.3 | 19,553.2 | 15.0 | 0.1\% | 19,550.9 | 17.4 | 0.1\% | 19,546.3 | 22.0 | 0.1\% | 19,541.7 | 26.6 | 0.1\% | 19,537.0 | 31.3 | 0.2\% | 19,533.6 | 34.7 | 0.2\% |
| me 4 | 365417 | 2005 | Above Normal | June | - | 15,870.4 | 15,847.2 | 23.1 | 0.1\% | 15,843.8 | 26.6 | 0.2\% | 15,836.8 | 33.6 | 0.2\% | 15,831.0 | 39.4 | 0.2\% | 15,824.1 | 46.3 | 0.3\% | 15,818.3 | 52.1 | 0.3\% |
| ME4 | 365417 | 2005 | Above Normal | July | - | 2,864.2 | 2,843.4 | 20.8 | 0.7\% | 2,840.5 | 23.7 | 0.8\% | 2,834.6 | 29.6 | 1.0\% | 2,828.6 | 35.6 | 1.2\% | 2,822.8 | 41.4 | 1.4\% | 2,816.9 | 47.3 | 1.7\% |
| me 4 | 365417 | 2005 | Above Normal | August | -- | 982.5 | 963.8 | 18.7 | 1.9\% | 961.1 | 21.4 | 2.2\% | 955.8 | 26.7 | 2.7\% | 950.5 | 32.0 | 3.3\% | 945.2 | 37.4 | 3.8\% | 939.8 | 42.7 | 4.3\% |
| ME 4 | 365417 | 2005 | Above Normal | September | Used in Summary Table Analysis | 524.0 | 507.6 | 16.4 | 3.1\% | 505.2 | 18.8 | 3.6\% | 500.5 | 23.5 | 4.5\% | 495.8 | 28.1 | 5.4\% | 491.2 | 32.8 | 6.3\% | 486.5 | 37.5 | 7.2\% |
| ME4 | 365417 | 2006 | Wet | October | Used in Summary Table Analysis | 633.7 | 620.5 | 13.2 | 2.1\% | 618.6 | 15.1 | 2.4\% | 614.8 | 18.9 | 3.0\% | 611.0 | 22.7 | 3.6\% | 607.3 | 26.4 | 4.2\% | 603.5 | 30.2 | 4.8\% |
| me 4 | 365417 | 2006 | Wet | November | Used in Summary Table Analysis | 9,303.7 | 9,293.3 | 10.4 | 0.1\% | 9,291.8 | 11.9 | 0.1\% | 9,288.8 | 14.9 | 0.2\% | 9,285.8 | 17.9 | 0.2\% | 9,882.9 | 20.8 | 0.2\% | 9,279.7 | 24.0 | 0.3\% |
| me 4 | 365417 | 2006 | wet | December - |  | 43,491.9 | 43,482.6 | 9.3 | 0.0\% | 43,481.5 | 10.4 | 0.0\% | 43,478.0 | 13.9 | 0.0\% | 43,475.7 | 16.2 | 0.0\% | 43,473.4 | 18.5 | 0.0\% | 43,469.9 | 22.0 | 0.1\% |
| me 4 | 365417 | 2006 | Wet | January | - | 46,294.0 | 46,284.7 | 9.3 | 0.0\% | 46,283.6 | 10.4 | 0.0\% | 46,281.3 | 12.7 | 0.0\% | 46,278.9 | 15.0 | 0.0\% | 46,276.6 | 17.4 | 0.0\% | 46,274.3 | 19.7 | 0.0\% |
| ME 4 | 365417 | 2006 | Wet | February | - | 26,618.1 | 26,610.0 | 8.1 | 0.0\% | 26,608.8 | 9.3 | 0.0\% | 26,606.5 | 11.6 | 0.0\% | 26,604.2 | 13.9 | 0.1\% | 26,601.9 | 16.2 | 0.1\% | 26,600.7 | 17.4 | 0.1\% |
| ME4 | 365417 | 2006 | Wet | March | - | 47,155.1 | 47,148.1 | 6.9 | 0.0\% | 47,147.0 | 8.1 | 0.0\% | 47,144.7 | 10.4 | 0.0\% | 47,142,4 | 12.7 | 0.0\% | 47,140.0 | 15.0 | 0.0\% | 47,137.7 | 17.4 | 0.0\% |
| me 4 | 365417 | 2006 | Wet | April | - | 30,428.2 | 30,421.3 | 6.9 | 0.0\% | 30,420.1 | 8.1 | 0.0\% | 30,417.8 | 10.4 | 0.0\% | 30,415.5 | 12.7 | 0.0\% | 30,414.4 | 13.9 | 0.0\% | 30,412.0 | 16.2 | 0.1\% |
| me 4 | 365417 | 2006 | wet | May | - | 14,207.2 | 14,197.9 | 9.3 | 0.1\% | 14,196.8 | 10.4 | 0.1\% | 14,194.4 | 12.7 | 0.1\% | 14,191.0 | 16.2 | 0.1\% | 14,188.7 | 18.5 | 0.1\% | 14,186.3 | 20.8 | 0.1\% |
| me 4 | 365417 | 2006 | Wet | June | - | 3,547.7 | 3,528.8 | 18.9 | 0.5\% | 3,526.0 | 21.6 | 0.6\% | 3,520.7 | 27.0 | 0.8\% | 3,515.4 | 32.3 | 0.9\% | 3,510.1 | 37.6 | 1.1\% | 3,504.7 | 42.9 | 1.2\% |
| ME 4 | 365417 | 2006 | Wet | July | - | 1,278.8 | 1,258.9 | 19.9 | 1.6\% | 1,256.1 | 22.7 | 1.8\% | 1,250.5 | 28.4 | 2.2\% | 1,244.9 | 33.9 | 2.7\% | 1,239.2 | 39.6 | 3.1\% | 1,233.7 | 45.1 | 3.5\% |
| ME4 | 365417 | 2006 | Wet | August | -- | 664.7 | 645.6 | 19.2 | 2.9\% | 642.9 | 21.9 | 3.3\% | 637.4 | 27.3 | 4.1\% | 632.0 | 32.7 | 4.9\% | 626.6 | 38.2 | 5.7\% | 621.2 | 43.6 | 6.6\% |
| me 4 | 365417 | 2006 | Wet | September | Used in Summary Table Analysis | 425.7 | 409.0 | 16.6 | 3.9\% | 406.7 | 19.0 | 4.5\% | 401.9 | 23.7 | 5.6\% | 397.2 | 28.4 | 6.7\% | 392.5 | 33.2 | 7.8\% | 387.7 | 37.9 | 8.9\% |
| me4 | 365417 | 2007 | Above Normal | October | Used in Summary Table Analysis | 273.9 | 260.6 | 13.4 | 4.9\% | 258.7 | 15.3 | 5.6\% | 254.8 | 19.1 | 7.0\% | 251.0 | 23.0 | 8.4\% | 247.1 | 26.8 | 9.8\% | 243.2 | 30.7 | 11.2\% |
| ME 4 | 365417 | 2007 | Above Normal | November | Used in Summary Table Analysis | $8,664.6$ | 8,653.8 | 10.8 | 0.1\% | 8,652.3 | 12.3 | 0.1\% | 8,649.2 | 15.4 | 0.2\% | 8,646.1 | 18.5 | 0.2\% | 8,642.9 | 21.6 | 0.2\% | 8,639.8 | 24.8 | 0.3\% |
| ME 4 | 365417 | 2007 | Above Normal | December - |  | 20,407.4 | 20,388.1 | 9.3 | 0.0\% | 20,395.8 | 11.6 | 0.1\% | 20,393.5 | 13.9 | 0.1\% | 20,390.0 | 17.4 | 0.1\% | 20,387.7 | 19.7 | 0.1\% | 20,385.4 | 22.0 | 0.1\% |
| ME4 | 365417 | 2007 | Above Normal | January | - | 10,251.0 | 10,242.6 | 8.4 | 0.1\% | 10,241.3 | 9.7 | 0.1\% | 10,238.9 | 12.2 | 0.1\% | 10,236.5 | 14.6 | 0.1\% | 10,234.0 | 17.0 | 0.2\% | 10,231.5 | 19.6 | 0.2\% |
| ME 4 | 365417 | 2007 | Above Normal | February | - | 30,568.3 | 30,560.2 | 8.1 | 0.0\% | 30,559.0 | 9.3 | 0.0\% | 30,56.7 | 11.6 | 0.0\% | 30,554.4 | 13.9 | 0.0\% | 30,552.1 | 16.2 | 0.1\% | 30,549.8 | 18.5 | 0.1\% |
| ME 4 | 365417 | 2007 | Above Normal | March | - | 13,101.9 | 13,093.8 | 8.1 | 0.1\% | 13,092.6 | 9.3 | 0.1\% | 13,090.3 | 11.6 | 0.1\% | 13,089.1 | 12.7 | 0.1\% | 13,086.8 | 15.0 | 0.1\% | 13,084.5 | 17.4 | 0.1\% |
| ME4 | 365417 | 2007 | Above Normal | April | - | 11,534.3 | 11,519.4 | 14.8 | 0.1\% | 11,517.4 | 16.9 | 0.1\% | 11,513.1 | 21.2 | 0.2\% | 11,508.9 | 25.3 | 0.2\% | 11,504.6 | 29.6 | 0.3\% | 11,500.3 | 33.9 | 0.3\% |
| me 4 | 365417 | 2007 | Above Normal | May | - | 4,139.7 | 4,122.2 | 17.5 | 0.4\% | 4,119.7 | 20.0 | 0.5\% | 4,114.7 | 25.0 | 0.6\% | 4,109.6 | 30.1 | 0.7\% | 4,104.5 | 35.2 | 0.8\% | 4,099.5 | 40.2 | 1.0\% |
| ME4 4 | 365417 | 2007 | Above Normal | June | - | 1,498.4 | 1,477.3 | 21.1 | 1.4\% | 1,474.3 | 24.1 | 1.6\% | 1,468.3 | 30.1 | 2.0\% | 1,462.4 | 36.0 | 2.4\% | 1,456.4 | 42.0 | 2.8\% | 1,450.5 | 47.9 | 3.2\% |
| me 4 | 365417 | 2007 | Above Normal | July | - | 495.9 | 474.8 | 21.0 | 4.2\% | 471.8 | 24.0 | 4.8\% | 465.9 | 30.0 | 6.0\% | 459.9 | 35.9 | 7.2\% | 454.0 | 41.9 | 8.4\% | 448.0 | 47.8 | 9.6\% |
| me4 | 365417 | 2007 | Above Normal | August | -- | 222.7 | 203.8 | 18.8 | 8.5\% | 201.2 | 21.5 | 9.7\% | 195.8 | 26.8 | 12.1\% | 190.5 | 32.2 | 14.5\% | 185.1 | 37.5 | 16.9\% | 179.8 | 42.9 | 19.3\% |
| ME4 | 365417 | 2007 | Above Normal | September | Used in Summary Table Analysis | 150.3 | 132.6 | 17.7 | 11.8\% | 130.1 | 20.2 | 13.5\% | 125.0 | 25.3 | 16.8\% | 120.0 | 30.3 | 20.2\% | 114.9 | 35.3 | 23.5\% | 109.9 | 40.4 | 26.9\% |
| ME 4 | 365417 | 2008 | Dry | October | Used in Summary Table Analysis | 3,432.9 | 3,418.6 | 14.2 | 0.4\% | 3,416.6 | 16.3 | 0.5\% | 3,412.5 | 20.4 | 0.6\% | 3,408.4 | 24.4 | 0.7\% | 3,404.3 | 28.6 | 0.8\% | 3,400.2 | 32.6 | 1.0\% |
| ME4 4 | 365417 | 2008 | Dry | November | Used in Summary Table Analysis | 3,274.2 | 3,263.2 | 11.0 | 0.3\% | 3,261.7 | 12.5 | 0.4\% | 3,258.6 | 15.6 | 0.5\% | 3,255.3 | 18.9 | 0.6\% | 3,252.2 | 22.0 | 0.7\% | 3,249.1 | 25.1 | 0.8\% |
| ME 4 | 365417 | 2008 | Dry | December - |  | 23,122.7 | 23,112.3 | 10.4 | 0.0\% | 23,111.1 | 11.6 | 0.1\% | 23,108.8 | 13.9 | 0.1\% | 23,105.3 | 17.4 | 0.1\% | 23,103.0 | 19.7 | 0.1\% | 23,099.5 | 23.1 | 0.1\% |
| ME4 | 365417 <br> 36547 | 2008 | Dry | January | - | 37,527.8 | 37,518.5 | 9.3 | 0.0\% | 37,517.4 | 10.4 | 0.0\% | 37,515.0 | 12.7 | 0.0\% | 37,511.6 | 16.2 | 0.0\% | $37,509.3$ e6, ches | 18.5 | 0.0\% | $37,506.9$ 26535 | 20.8 | ${ }^{0.1 \%}$ |
| ME 4 <br> ME 4 | 365417 | 2008 | Dry | February |  | 26,270.8 | 26,262.7 | 8.1 | 0.0\% | 26,261.6 | 9.3 | 0.0\% | 26,260.4 | 10.4 | 0.0\% | 26,258.1 | 12.7 | 0.0\% | 26,255.8 | 15.0 | 0.1\% | 26,253.5 | 17.4 | 0.1\% |
| ME 4 | 365417 <br> 365417 | 2008 2008 | ${ }_{\text {Dry }}^{\text {Dry }}$ | March | $\cdots$ | ${ }_{\substack{11,795.1 \\ 0,016.7}}^{1}$ | ${ }^{11,787.0}$ | 8.1 150 | 0.1\% | $11,787.0$ $8,999.5$ 1 | 8.1 171 | 0.1\% | ${ }_{\text {11,784.7 }}$ | 10.4 | 0.1\% | ${ }^{111,782.4}$ | 12.7 <br> 258 | ${ }^{0.1 \%}$ | 11,780.1 | 15.0 | 0.1\% | 11,777.8 | 17.4 34.4 | 0.1\% |
| ME4 | 365417 365417 | 2008 2008 | Dry Dry | April May | $\cdots$ | 9,016.7 $1,360.0$ | 9,001.6 $1,344.0$ | 15.0 16.0 | 0.2\% $1.2 \%$ | $8,999.5$ $1,341.7$ | 17.1 18.3 | 0.2\% 1.3\% | 8,995.3 $1,337.0$ | 21.4 22.9 | 0.2\% 1.7\% | 8,990.9 $1,332.5$ | 25.8 27.4 | 0.3\% 2.0\% | $8,986.6$ $1,328.1$ | 30.1 31.8 | $0.3 \%$ <br> $2.3 \%$ | $8,982.3$ $1,323.7$ | 34.4 36.2 | 0.4.7\% |
| me 4 | 365417 | 2008 | Dry | June | - | 437.7 | 414.8 | 22.9 | 5.2\% | 411.5 | 26.2 | 6.0\% | 405.0 | 32.6 | 7.5\% | 398.6 | 39.1 | 8.9\% | 392.1 | 45.6 | 10.4\% | 385.7 | 52.0 | 11.9\% |
| ME 4 | 365417 | 2008 | Dry | July | - | 255.8 | 233.4 | 22.4 | 8.7\% | 230.2 | 25.5 | 10.\% | 223.8 | 31.9 | 12.5\% | 217.5 | 38.3 | 15.0\% | 211.1 | 44.6 | 17.4\% | 204.8 | 50.9 | 19.9\% |
| me 4 | 365417 | 2008 | Dry | August | - | 179.1 | 157.5 | 21.6 | 12.1\% | 154.4 | 24.7 | 13.8\% | 148.3 | 30.8 | 17.2\% | 142.2 | 37.0 | 20.6\% | 136.0 | 43.1 | 24.1\% | 129.9 | 49.2 | 27.5\% |
| ME4 | 365417 | 2008 | Dry | September | Used in Summary Table Analysis | 140.8 | 120.1 | 20.6 | 14.7\% | 117.2 | 23.6 | 16.8\% | 111.3 | 29.5 | 20.9\% | 105.4 | 35.3 | 25.1\% | 99.5 | 41.2 | 29.3\% | 93.7 | 47.1 | 33.5\% |
| me 4 | 365417 | 2009 | Critical | October | Used in Summary Table Analysis | 923.7 | 907.6 | 16.1 | 1.7\% | 905.3 | 18.4 | 2.0\% | 900.7 | 23.0 | 2.5\% | 896.0 | 27.7 | 3.0\% | 891.6 | 32.1 | 3.5\% | 886.9 | 36.8 | 4.0\% |
| ME4 | 365417 | 2009 | Critical | November | Used in Summary Table Analysis | 5,510.5 | 5,498.1 | 12.4 | 0.2\% | 5,496.3 | 14.2 | 0.3\% | 5,492.7 | 17.8 | 0.3\% | 5,489.1 | 21.4 | 0.4\% | 5,885.5 | 25.0 | 0.5\% | 5,481.9 | 28.6 | 0.5\% |
| ME4 | 365417 | 2009 | Critical | December - |  | 12,164.4 | 12,153.9 | 10.4 | 0.1\% | 12,151.6 | 12.7 | 0.1\% | 12,148.1 | 16.2 | 0.1\% | 12,145.8 | 18.5 | 0.2\% | 12,142.4 | 22.0 | 0.2\% | 12,138.9 | 25.5 | 0.2\% |
| me4 | 365417 | 2009 | Critical | January | - | 8,796.3 | 8,786.5 | 9.8 | 0.1\% | 8,785.1 | 11.2 | 0.1\% | 8,782.2 | 14.1 | 0.2\% | 8,779.4 | 16.9 | 0.2\% | 8,776.5 | 19.8 | 0.2\% | 8,73.6 | 22.7 | 0.3\% |
| ME 4 | 365417 | 2009 | Critical | February | - | 22,613.4 | 22,605.3 | 8.1 | 0.0\% | 22,604.2 | 9.3 | 0.0\% | 22,601.9 | 11.6 | 0.1\% | 22,599.5 | 13.9 | 0.1\% | 22,596.1 | 17.4 | 0.1\% | 22,593.8 | 19.7 | 0.1\% |
| ME4 | 365417 | 2009 | Critical | March | - | 21,121.5 | 21,113.4 | 8.1 | 0.0\% | 21,112.3 | 9.3 | 0.0\% | 21,110.0 | 11.6 | 0.1\% | 21,107.6 | 13.9 | 0.1\% | 21,105.3 | 16.2 | 0.1\% | 21,103.0 | 18.5 | 0.1\% |
| ME4 | 365417 | 2009 | Critical | April | - | 10,097.3 | 10,081.8 | 15.5 | 0.2\% | 10,079.6 | 17.7 | 0.2\% | 10,075.1 | 22.2 | 0.2\% | 10,070.6 | 26.7 | 0.3\% | 10,066.2 | 31.1 | 0.3\% | 10,061.7 | 35.6 | 0.4\% |
| ME4 | 365417 | 2009 | Critical | May |  | 15,583.3 | 15,564.8 | 18.5 | 0.1\% | 15,562.5 | 20.8 | 0.1\% | 15,556.7 | 26.6 | 0.2\% | 15,550.9 | 32.4 | 0.2\% | 15,545.1 | 38.2 | 0.2\% | 15,540.5 | 42.8 | 0.3\% |
| ME4 | 365417 | 2009 | Critical | June | - | 3,160.5 | 3,136.1 | 24.4 | 0.8\% | 3,132.8 | 27.8 | 0.9\% | 3,125.7 | 34.8 | 1.1\% | 3,118.8 | 41.8 | 1.3\% | 3,111.8 | 48.7 | 1.5\% | 3,104.9 | 55.7 | 1.8\% |
| ME4 | 365417 | 2009 | Critical | July | - | 1,262.7 | 1,240.0 | 22.7 | 1.8\% | 1,236.8 | 25.9 | 2.1\% | 1,230.3 | 32.4 | 2.6\% | 1,224.0 | ${ }^{38.8}$ | 3.1\% | 1,217.6 | 45.1 | 3.6\% | 1,211.2 | 51.5 | 4.1\% |
| ME4 | 365417 | 2009 | Critical | August | -- | 668.5 | 646.8 | 21.7 | 3.3\% | 643.7 | 24.8 | 3.7\% | 637.5 | 31.0 | 4.6\% | ${ }^{631.3}$ | 37.2 | 5.6\% | ${ }_{625.1}$ | ${ }^{43.4}$ | 6.5\% | 618.9 | 49.6 | 7.4\% |
| ME4 | 365417 365417 | 2009 | Critical | September | Used in Summary Table Analysis | 389.7 | 370.4 | 19.2 | 4.9\% | ${ }_{6}^{367.7}$ | 22.0 | 5.6\% | ${ }_{362.2}$ | 27.5 | 7.1\% | 356.7 | 33.0 | 8.5\% | 351.2 | 38.5 32.5 | 9.9\% | ${ }^{345.7}$ | 44.0 | 11.3\% |
| ME 4 ME 4 | 365417 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,088.1 | 6,071.9 | 16.2 | 0.3\% | 6,069.6 | 18.5 | 0.3\% | 6,064.8 | ${ }^{23.3}$ | 0.4\% | 6,060.2 | 27.9 | 0.5\% | 6,055.7 | 32.4 <br> 2.8 | 0.5\% | 6,051.0 | 37.0 | 0.6\% |
| ME 4 ME 4 | 365417 365417 | 2010 | Below Normal | November | Used in Summary Table Analysis | $8,290.2$ <br> 123553 <br> 6,283 | 8,277.3 123499 | 12.8 | - | $8,275.5$ 12,3426 | 14.7 12.7 | ${ }_{\text {en }}^{0.2 \%}$ | $8,271.8$ $12,340.3$ | 18.4 150 150 | ${ }^{0.2 \%}$ | 8,268.1 <br> $12,336.8$ | 22.1 18.5 17.4 | 0.3\% | 8,264.4 <br> 12333,3 <br> $6,27.6$ | 25.8 22.0 | 0.3\% | $8,260.6$ $12,329.9$ | 29.5 25.5 | $0.4 \%$ $0.2 \%$ 0.0 |
| ME4 | 365417 | 2010 | Below Normal | January - |  | ${ }_{36,238.4}$ | 36,228.0 | 10.4 | 0.0\% | ${ }_{36,226.9}^{1027.5}$ | 11.6 | 0.0\% | 36,223.4 | 15.0 | 0.0\% | ${ }_{36,221.1}^{12,361.8}$ | 17.4 | 0.0\% | ${ }_{36,217.6}$ | 20.8 | 0.1\% | 36,215.3 | ${ }_{23.1}^{23.5}$ | 0.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flow Without Pumping <br> (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping In |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water <br> Reach) |  |  | Note | Flow (cts) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | Flow Difference (cfs) | $\begin{gathered} \text { Percent } \\ \text { Difference } \end{gathered}$ | Flow (cfs) | $\begin{aligned} & \text { Fiffow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { Flow } \\ & \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \end{aligned}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | $\begin{gathered} \text { Percent } \\ \text { Difference } \end{gathered}$ |
| me4 | 365417 | 2010 | Below Normal |  | February | - | 27,247,7 | 27,23.4 | 9.3 | 0.0\% | 27,237.3 | 10.4 | 0.0\% | 27,235.0 | 12.7 | 0.0\% | 27,231.5 | 16.2 | 1\% | 27,229.2 | 18.5 | 0.1\% | 27,226.9 | 20.8 | 0.1\% |
| me4 | 365417 | 2010 | Below Normal | March |  | 28,839.1 | 28,831.0 | 8.1 | 0.0\% | 28,829.9 | 9.3 | 0.0\% | 28,827.5 | 11.6 | 0.0\% | 28,825.2 | 13.9 | 0.0\% | 28,821.8 | 17.4 | 0.1\% | 28,819.4 | 19.7 | 0.1\% |
| me4 | 365417 | 2010 | Below Normal | April | - | 40,017.4 | 40,009.3 | 8.1 | 0.0\% | 40,008.1 | 9.3 | 0.0\% | 40,005.8 | 11.6 | 0.0\% | 40,003.5 | 13.9 | 0.0\% | 40,001.2 | 16.2 | 0.0\% | 39,998.8 | 18.5 | 0.0\% |
| ME4 | 365417 | 2010 | Below Normal | May | - | 20,272.0 | 20,25.8 | 16.2 | 0.1\% | 20,253.5 | 18.5 | 0.1\% | 20,248.8 | 23.1 | 0.1\% | 20,244.2 | 27.8 | 0.1\% | 20,239.6 | 32.4 | 0.2\% | 20,235.0 | 37.0 | 0.2\% |
| ME4 | 365417 | 2010 | Below Normal | June | - | 9,352.8 | 9,329.4 | 23.4 | 0.2\% | 9,326.0 | 26.7 | 0.3\% | 9,319.4 | 33.3 | 0.4\% | 9,312.8 | 39.9 | 0.4\% | 9,306.3 | 46.5 | 0.5\% | 9,299.7 | 53.1 | 0.6\% |
| ME4 | 365417 | 2010 | Below Normal | July | - | 1,454.7 | 1,433.7 | 21.1 | 1.4\% | 1,430.7 | 24.1 | 1.7\% | 1,424.5 | 30.2 | 2.1\% | 1,418.5 | 36.2 | 2.5\% | 1,412.5 | 42.2 | 2.9\% | 1,406.7 | 48.0 | 3.3\% |
| me4 | 365417 | 2010 | Below Normal | August | -- | 568.6 | 549.3 | 19.2 | 3.4\% | 546.6 | 21.9 | 3.9\% | 541.1 | 27.4 | 4.8\% | 535.7 | 32.9 | 5.8\% | 530.2 | 38.3 | 6.7\% | 524.8 | 43.8 | 7.7\% |
| ME4 | 365417 | 2010 | Below Normal | September | Used in Summary Table Analysis | 650.6 | 632.4 | 18.2 | 2.8\% | 629.8 | 20.8 | 3.2\% | 624.6 | 26.0 | 4.0\% | 619.4 | 31.1 | 4.8\% | 614.2 | 36.4 | 5.6\% | 609.0 | 41.6 | 6.4\% |
| ME4 | 365417 | 2011 | Wet | October | Used in Summary Table Analysis | 9,635.8 | 9,622.1 | 13.7 | 0.1\% | 9,620.3 | 15.5 | 0.2\% | 9,616.3 | 19.4 | 0.2\% | 9,612.4 | 23.4 | 0.2\% | 9,608.4 | 27.3 | 0.3\% | 9,604.5 | 31.3 | 0.3\% |
| me4 | 365417 | 2011 | Wet | November | Used in Summary Table Analysis | 14,223.4 | 14,213.0 | 10.4 | 0.1\% | 14,210.6 | 12.7 | 0.1\% | 14,208.3 | 15.0 | 0.1\% | 14,204.9 | 18.5 | 0.1\% | 14,201.4 | 22.0 | 0.2\% | 14,197.9 | 25.5 | 0.2\% |
| ME4 | 365417 | 2011 | Wet | December | -- | 33,715.3 | 33,706.0 | 9.3 | 0.0\% | 33,703.7 | 11.6 | 0.0\% | 33,701.4 | 13.9 | 0.0\% | 33,699.1 | 16.2 | 0.0\% | 33,695.6 | 19.7 | 0.1\% | 33,693.3 | 22.0 | 0.1\% |
| me4 | 365417 | 2011 | Wet | January | - | 14,159.7 | 14,151.6 | 8.1 | 0.1\% | 14,150.5 | 9.3 | 0.1\% | 14,147.0 | 12.7 | 0.1\% | 14,144,7 | 15.0 | 0.1\% | 14,142.4 | 17.4 | 0.1\% | 14,140.0 | 19.7 | 0.1\% |
| ME4 | 365417 | 2011 | Wet | February | -- | 20,770.8 | 20,762.7 | 8.1 | 0.0\% | 20,761.6 | 9.3 | 0.0\% | 20,759.3 | 11.6 | 0.1\% | 20,756.9 | 13.9 | 0.1\% | 20,754.6 | 16.2 | 0.1\% | 20,752.3 | 18.5 | 0.1\% |
| ME4 | 365417 | 2011 | Wet | March | - | 52,016.2 | 52,008.1 | 8.1 | 0.0\% | 52,006.9 | 9.3 | 0.0\% | 52,004.6 | 11.6 | 0.0\% | 52,033.5 | 12.7 | 0.0\% | 52,001.2 | 15.0 | 0.0\% | 51,998.8 | 17.4 | 0.0\% |
| ME4 | 365417 | 2011 | Wet | April | - | 24,804.4 | 24,797.5 | 6.9 | 0.0\% | 24,796.3 | 8.1 | 0.0\% | 24,794.0 | 10.4 | 0.0\% | 24,791.7 | 12.7 | 0.1\% | 24,789.4 | 15.0 | 0.1\% | 24,787.0 | 17.4 | 0.1\% |
| ME4 | 365417 | 2011 | Wet | May | - | 11,385.0 | 11,369.7 | 15.3 | 0.1\% | 11,367.5 | 17.5 | 0.2\% | ${ }^{11,3635.1}$ | 21.9 | 0.2\% | 11,358.6 | 26.4 | 0.2\% | 11,354.2 | 30.8 | 0.3\% | 11,349.9 | 35.1 | 0.3\% |
| ME4 | 365417 | 2011 | Wet | June | - | 7,058.4 | 7,035.6 | 22.8 | 0.3\% | 7,032.4 | 26.0 | 0.4\% | 7,025.9 | 32.5 | 0.5\% | 7,019.4 | 39.0 | 0.6\% | 7,013.0 | 45.5 | 0.6\% | 7,006.5 | 52.0 | 0.7\% |
| me4 | 365417 | 2011 | Wet | July | - | 1,828.8 | 1,806.4 | 22.5 | 1.2\% | 1,803.1 | 25.7 | 1.4\% | 1,796.8 | 32.1 | 1.8\% | 1,790.4 | 38.4 | 2.1\% | 1,783.9 | 44.9 | 2.5\% | 1,777.5 | 51.3 | 2.8\% |
| ME4 | 365417 | 2011 | Wet | August | -- | 776.6 | 757.5 | 19.0 | 2.4\% | 754.8 | 21.7 | 2.8\% | 749.4 | 27.1 | 3.5\% | 744.0 | 32.5 | 4.2\% | 738.6 | 38.0 | 4.9\% | 733.2 | 43.3 | 5.6\% |
| me4 | 365417 | 2011 | Wet | September | Used in Summary Table Analysis | 433.1 | 415.9 | 17.2 | 4.0\% | 413.4 | 19.6 | 4.5\% | 408.6 | 24.5 | 5.7\% | 403.7 | 29.4 | 6.8\% | 398.8 | 34.2 | 7.9\% | 393.9 | 39.1 | 9.0\% |
| ME4 | 365417 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,542.7 | 4,528.8 | 13.9 | 0.3\% | 4,526.9 | 15.9 | 0.3\% | 4,522.8 | 19.9 | 0.4\% | 4,518.9 | 23.8 | 0.5\% | 4,514.8 | 27.9 | 0.6\% | 4,510.9 | 31.8 | 0.7\% |
| me4 | 365417 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,441.0 | 8,230.0 | 11.0 | 0.1\% | 8,228.4 | 12.6 | 0.2\% | 8,225.2 | 15.7 | 0.2\% | 8,222.0 | 19.0 | 0.2\% | 8,218.8 | 22.2 | 0.3\% | 8,215.6 | 25.3 | 0.3\% |
| ME4 | 365417 | 2012 | Below Normal | December |  | 5,184.8 | 5,175.3 | 9.5 | 0.2\% | 5,174.0 | 10.9 | 0.2\% | 5,171.2 | 13.7 | 0.3\% | 5,168.4 | 16.4 | 0.3\% | 5,165.6 | 19.2 | 0.4\% | 5,162.8 | 22.0 | 0.4\% |
| ME4 | 365417 | 2012 | Below Normal | January | - | 20,125.0 | 20,115.7 | 9.3 | 0.0\% | 20,14.6 | 10.4 | 0.1\% | 20,112.3 | 12.7 | 0.1\% | 20,110.0 | 15.0 | 0.1\% | 20,107.6 | 17.4 | 0.1\% | 20,105.3 | 19.7 | 0.1\% |
| ME4 | 365417 | 2012 | Below Normal | February | -- | 18,216.4 | 18,208.3 | 8.1 | 0.0\% | 18,207.2 | 9.3 | 0.1\% | 18,204.9 | 11.6 | 0.1\% | 18,202.5 | 13.9 | 0.1\% | 18,200.2 | 16.2 | 0.1\% | 18,197.9 | 18.5 | 0.1\% |
| me4 | 365417 | 2012 | Below Normal | March | -- | 45,436.3 | 45,428.2 | 8.1 | 0.0\% | 45,427.1 | 9.3 | 0.0\% | 45,424.8 | 11.6 | 0.0\% | 45,422.5 | 13.9 | 0.0\% | 45,420.1 | 16.2 | 0.0\% | 45,417.8 | 18.5 | 0.0\% |
| ME4 | 365417 | 2012 | Below Normal | April | - | 26,864.6 | 26,857.6 | 6.9 | 0.0\% | 26,856.5 | 8.1 | 0.0\% | 26,854.2 | 10.4 | 0.0\% | 26,851.9 | 12.7 | 0.0\% | 26,849.5 | 15.0 | 0.1\% | 26,847.2 | 17.4 | 0.1\% |
| ME4 | 365417 | 2012 | Below Normal | May | - | 7,484.6 | 7,469.3 | 15.3 | 0.2\% | 7,467.2 | 17.4 | 0.2\% | 7,462.7 | 21.9 | 0.3\% | 7,458.3 | 26.3 | 0.4\% | 7,453.9 | 30.7 | 0.4\% | 7,449.7 | 35.0 | 0.5\% |
| ME4 | 365417 | 2012 | Below Normal | June | - | 5,517.5 | 5,499.2 | ${ }^{23.3}$ | 0.4\% | 5,490.9 | 26.6 | 0.5\% | 5,484.3 | 33.2 | 0.6\% | 5,477.8 | 39.7 | 0.7\% | 5,471.2 | 46.3 | 0.8\% | 5,464.5 | 53.0 | 1.0\% |
| ME4 | 365417 | 2012 | Below Normal | July | - | 2,224.9 | 2,203.1 | 21.8 | 1.0\% | 2,200.0 | 24.9 | 1.1\% | 2,193.9 | 31.0 | 1.4\% | 2,187.6 | 37.3 | 1.7\% | 2,181.5 | 43.4 | 2.0\% | 2,175.2 | 49.7 | 2.2\% |
| me4 | 365417 | 2012 | Below Normal | August | -- | 388.2 | 370.8 | 17.4 | 4.5\% | 368.4 | 19.8 | 5.1\% | 363.4 | 24.8 | 6.4\% | 358.5 | 29.7 | 7.7\% | 353.5 | 34.7 | 8.9\% | 348.6 | 39.6 | 10.2\% |
| ME4 | 365417 | 2012 | Below Normal | September | Used in Summary Table Analysis | 248.7 | 233.3 | 15.4 | 6.2\% | 231.1 | 17.6 | 7.1\% | 226.7 | 22.0 | 8.8\% | 222.3 | 26.4 | 10.6\% | 218.0 | 30.7 | 12.4\% | 213.6 | 35.1 | 14.1\% |
| me4 | 365417 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,912.6 | 1,899.2 | 13.4 | 0.7\% | 1,897.3 | 15.3 | 0.8\% | 1,893.5 | 19.1 | 1.0\% | 1,889.7 | 22.9 | 1.2\% | 1,885.9 | 26.7 | 1.4\% | 1,882.1 | 30.6 | 1.6\% |
| ME4 | 365417 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,691.0 | 14,680.6 | 10.4 | 0.1\% | 14,679.4 | 11.6 | 0.1\% | 14,675.9 | 15.0 | 0.1\% | 14,672.5 | 18.5 | 0.1\% | 14,670.1 | 20.8 | ${ }^{0.1 \%}$ | $14,668.7$ 59 | 24.3 | 0.2\% |
| ME 4 | 365417 | 2013 | Below Normal | December |  | 60,004.6 | 59,995.4 | 9.3 | 0.0\% | 59,994.2 | 10.4 | 0.0\% | 59,990.7 | 13.9 | 0.0\% | 59,988.4 | 16.2 | 0.0\% | 59,985.0 | 19.7 | 0.0\% | 59,982.6 | ${ }^{22.0}$ | 0.0\% |
| ME4 | 365417 | 2013 | Below Normal | January | - | 22,206.0 | 22,197.9 | 8.1 | 0.0\% | 22,196.8 | 9.3 | 0.0\% | 22,194.4 | 11.6 | 0.1\% | 22,192.1 | 13.9 | 0.1\% | 22,189.8 | 16.2 | 0.1\% | 22,187.5 | 18.5 | 0.1\% |
| ME4 | 365417 | 2013 | Below Normal | February | -- | 8,847.8 | 8,839.9 | 7.9 | 0.1\% | 8,838.9 | 8.9 | 0.1\% | $8,836.6$ | 11.2 | 0.1\% | 8,834.3 | 13.5 | 0.2\% | 8,831.9 | 15.9 | 0.2\% | 8,829.6 | 18.2 | 0.2\% |
| me4 | 365417 | 2013 | Below Normal | March | - | 10,333.0 | 10,325.3 | 7.6 | 0.1\% | 10,324.3 | 8.7 | 0.1\% | 10,322.0 | 11.0 | 0.1\% | 10,319.8 | 13.2 | 0.1\% | 10,317.6 | 15.4 | 0.1\% | 10,315.3 | 17.7 | 0.2\% |
| me4 | 365417 | 2013 | Below Normal | April | - | 8,291.9 | 8,277.4 | 14.5 | 0.2\% | 8,275.3 | 16.6 | 0.2\% | 8,271.2 | 20.7 | 0.2\% | 8,267.1 | 24.8 | 0.3\% | 8,263.0 | 28.9 | 0.3\% | 8,258.8 | 33.1 | 0.4\% |
| ME4 | 365417 | 2013 | Below Normal | May | - | 4,431.9 | 4,414.4 | 17.6 | 0.4\% | 4,411.9 | 20.0 | 0.5\% | 4,406.8 | 25.1 | 0.6\% | 4,401.9 | 30.1 | 0.7\% | 4,396.8 | 35.2 | 0.8\% | 4,391.8 | 40.2 | 0.9\% |
| ME4 | 365417 | 2013 | Below Normal | June |  | 2,110.6 | 2,089.7 | 20.9 | 1.0\% | 2,086.7 | 24.0 | 1.1\% | 2,080.7 | 30.0 | 1.4\% | 2,074.8 | 35.9 | 1.7\% | 2,068.8 | 41.9 | 2.0\% | 2,062.8 | 47.8 | 2.3\% |
| ME4 4 | ${ }^{365417}$ | 2013 | Below Normal | July | - | 718.1 | 698.0 | 20.1 | 2.8\% | 695.2 | 23.0 | 3.2\% | 689.4 | 28.7 | 4.0\% | ${ }^{683.7}$ | 34.4 | 4.8\% | 678.0 | 40.1 | 5.6\% | 672.4 | 45.8 | ${ }^{6.4 \%}$ |
| ME4 4 | 365417 | 2013 | Below Normal | August | -- | 339.9 | 321.2 | 18.8 | 5.5\% | 318.5 | 21.4 | 6.3\% | 313.2 | ${ }^{26.8}$ | 7.9\% | 307.8 | 32.1 | 9.5\% | 302.5 | 37.5 | 11.0\% | 297.1 | 42.8 | 12.6\% |
| ME4 | 365417 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,787.4 | 4,768.1 | 19.3 | 0.4\% | 4,765.3 | 22.1 | 0.5\% | 4,759.7 | 27.7 | 0.6\% | 4,754.3 | 33.1 | 0.7\% | 4,748.7 | 38.7 | 0.8\% | 4,743.2 | 44.2 | 0.9\% |
| ME4 | 365417 | 2014 | Critical | October | Used in Summary Table Analysis | 281.0 | 267.0 | 14.0 | 5.0\% | 265.0 | 16.0 | 5.7\% | 261.0 | 20.0 | 7.1\% | 257.0 | 24.0 | 8.5\% | 253.0 | 28.0 | 10.0\% | 248.9 | 32.1 | 11.4\% |
| ME4 | 365417 | 2014 | Critical | November | Used in Summary Table Analysis | 1,538.7 | 1,527.4 | 11.2 | 0.7\% | 1,525.8 | 12.8 | 0.8\% | 1,522.6 | 16.1 | 1.0\% | 1,519.3 | 19.3 | 1.3\% | 1,516.1 | 22.6 | 1.5\% | 1,512.8 | 25.8 | 1.7\% |
| me4 | 365417 | 2014 | Critical | December | -- | 1,590.0 | 1,580.2 | 9.8 | 0.6\% | 1,578.8 | 11.2 | 0.7\% | 1,575.9 | 14.1 | 0.9\% | 1,573.1 | 16.9 | 1.1\% | 1,570.3 | 19.8 | 1.2\% | 1,567.4 | 22.7 | 1.4\% |
| ME4 | 365417 | 2014 | Critical | January | -- | 2,822.0 | 2,813.2 | 8.8 | 0.3\% | 2,812.0 | 10.0 | 0.4\% | 2,809.5 | 12.5 | 0.4\% | 2,806.8 | 15.2 | 0.5\% | 2,804.3 | 17.7 | 0.6\% | 2,801.7 | 20.3 | 0.7\% |
| ME4 | 365417 | 2014 | Critical | February | - | 15,754.6 | 15,746.5 | 8.1 | 0.1\% | 15,745.4 | 9.3 | 0.1\% | 15,743.1 | 11.6 | 0.1\% | 15,740.7 | 13.9 | 0.1\% | 15,738.4 | 16.2 | 0.1\% | 15,736.1 | 18.5 | 0.1\% |
| ME4 | 365417 | 2014 | Critical | March | - | 31,489.6 | 31,481.5 | 8.1 | 0.0\% | 31,480.3 | 9.3 | 0.0\% | 31,478.0 | 11.6 | 0.0\% | 31,475.7 | 13.9 | 0.0\% | 31,473.4 | 16.2 | 0.1\% | 31,471.1 | 18.5 | 0.1\% |
| me4 | 365417 | 2014 | Critical | April | - | 12,991.9 | 12,975.7 | 16.2 | 0.1\% | 12,973,4 | 18.5 | 0.1\% | 12,969.9 | 22.0 | 0.2\% | 12,965.3 | 26.6 | 0.2\% | 12,960.6 | 31.3 | 0.2\% | 12,956.0 | 35.9 | 0.3\% |
| me4 | 365417 | 2014 | Critical | May | - | 5,188.9 | 5,170.5 | 18.4 | 0.4\% | 5,167.8 | 21.1 | 0.4\% | 5,162.5 | 26.4 | 0.5\% | 5,157.2 | 31.7 | 0.6\% | 5,151.9 | 37.0 | 0.7\% | 5,146.6 | 42.2 | 0.8\% |
| ME4 | 365417 | 2014 | Critical | June | - | 1,198.1 | 1,172.9 | 25.2 | 2.1\% | 1,169.4 | 28.7 | 2.4\% | 1,162.3 | 35.9 | 3.0\% | 1,155.2 | 43.0 | 3.6\% | 1,148.1 | 50.1 | 4.2\% | 1,141.0 | 57.1 | 4.8\% |
| me4 | 365417 | 2014 | Critical | July | - | 545.9 | 523.0 | 23.0 | 4.2\% | 519.7 | 26.3 | 4.8\% | 513.1 | 32.8 | 6.0\% | 506.6 | 39.3 | 7.2\% | 500.1 | 45.8 | 8.4\% | 493.6 | 52.4 | 9.6\% |
| me4 | 365417 | 2014 | Critical | August | -- | 347.9 | 326.0 | 21.8 | 6.3\% | 322.9 | 24.9 | 7.2\% | 316.7 | 31.1 | 9.0\% | 310.5 | 37.4 | 10.7\% | 304.3 | 43.6 | 12.5\% | 298.1 | 49.8 | 14.3\% |
| ME4 | 365417 | 2014 | Critical | September | Used in Summary Table Analysis | 2,573.8 | 2,552.7 | 21.2 | 0.8\% | 2,549.7 | 24.2 | 0.9\% | 2,543.6 | 30.2 | 1.2\% | 2,537.6 | 36.2 | 1.4\% | 2,531.5 | 42.4 | 1.6\% | 2,525.5 | 48.4 | 1.9\% |
| ME4 | 365417 | 2015 | Dry | October | Used in Summary Table Analysis | 11,364.8 | 11,388.1 | 16.7 | 0.1\% | 11,345.8 | 19.0 | 0.2\% | 11,341.3 | 23.5 | 0.2\% | 11,336.6 | 28.2 | 0.2\% | 11,331.9 | 32.9 | 0.3\% | 11,327.2 | 37.6 | 0.3\% |
| ME 4 | 365417 | 2015 | Dry | November | Used in Summary Table Analysis | 9,042.7 | 9,030.4 | 12.3 | 0.1\% | 9,028.6 | 14.1 | 0.2\% | 9,025.1 | 17.6 | 0.2\% | 9,021.5 | 21.2 18.5 | 0.2\% | 9,018.1 | 24.7 | 0.3\% | 9,014.5 | 28.2 | 0.3\% |
| me4 | 365417 | 2015 | Dry | December |  | 32,631.9 | 32,621.5 | 10.4 | 0.0\% | 32,620.4 | 11.6 | 0.0\% | 32,616.9 | 15.0 | 0.0\% | 32,613.4 | 18.5 | 0.1\% | 32,611.1 | 20.8 | 0.1\% | 32,607.6 | 24.3 | 0.1\% |
| ME4 | 365417 | 2015 | Dry | January | -- | 14,581.0 | 14,570.6 | 10.4 | 0.1\% | 14,569.4 | 11.6 | 0.1\% | 14,567.1 | 13.9 | 0.1\% | 14,563.7 | 17.4 | 0.1\% | 14,561.3 | 19.7 | 0.1\% | 14,559.0 | 22.0 | 0.2\% |
| ME4 | 365417 | 2015 | Dry | February |  | 27,239.6 | 27,231.5 | 8.1 | 0.0\% | 27,230.3 | 9.3 | 0.0\% | 27,228.0 | 11.6 | 0.0\% | 27,225.7 | 13.9 | 0.1\% | 27,223.4 | 16.2 | 0.1\% | 27,299.9 | 19.7 | 0.1\% |
| ME4 | 365417 | 2015 | Dry | March | -- | 11,572.7 | 11,565.0 | 7.6 | 0.1\% | ${ }^{11,563.9}$ | 8.8 | 0.1\% | 11,561.7 | 11.0 | 0.1\% | 11,559.5 | 13.2 | 0.1\% | 11,557.3 | 15.4 | 0.1\% | 11,555.1 | 17.6 | 0.2\% |
| ME 4 | 365417 365417 | 2015 | Dry | April | $\cdots$ | 8,390.5 | 8,375.2 | 15.3 | ${ }^{0.2 \%}$ | $8,373.0$ | 17.5 | 0.2\% | 8,368.5 | 22.0 | 0.3\% | $8,364.1$ | 26.4 | 0.3\% | 8,359.7 | ${ }_{30.8}$ | 0.4\% | $8,355.3$ | 35.2 | 0.4\% |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 36.3 | 2.4\% |  |  | 2.8\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year |  | Month | Note | Flowwithout Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Flow (ffs) |  |  | Flow Difference (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Percent } \\ \text { Difference } \end{gathered}$ |
| ME 4 | 365318 | 2000 | Above Normal |  | October | Used in Summary Table Analysis | 16.4 | 802.7 | 13.8 | 1.7\% | 800.7 | 15.8 | 1.9\% | 796 | 19.7 | 2.4\% | 792.8 | 23.7 | 2.9\% | 788.8 | 27.7 | 3.4\% | 48.8 | 31.6 | 3.9\% |
| ME 4 | 365318 | 2000 | Above Normal | Novembe | Used in Summary Table Analysis | 12,135.4 | 12,125.0 | 10.4 | 0.1\% | 12,122.7 | 12.7 | 0.1\% | 12,120.4 | 15.0 | 0.1\% | 12,116.9 | 18.5 | 0.2\% | 12,113.4 | 22.0 | 0.2\% | 12,110.0 | 25.5 | 0.2\% |
| me4 | 365318 | 2000 | Above Normal | December |  | 10,819.6 | 10,810.3 | 9.3 | 0.1\% | 10,808.9 | 10.6 | 0.1\% | 10,806.1 | 13.4 | 0.1\% | 10,803.5 | 16.1 | 0.1\% | 10,800.7 | 18.9 | 0.2\% | 10,797.9 | ${ }^{21.6}$ | 0.2\% |
| me 4 | 365318 | 2000 | Above Normal | January | - | 28,605.3 | 28,597.2 | 8.1 | 0.0\% | 28,94.9 | 10.4 | 0.0\% | 28,592.6 | 12.7 | 0.0\% | 28,590.3 | 15.0 | 0.1\% | 28,588.0 | 17.4 | 0.1\% | 28,585.6 | 19.7 | 0.1\% |
| ME4 | 365318 | 2000 | Above Normal | February - | - | 37,060.2 | 37,052.1 | 8.1 | 0.0\% | 37,050.9 | 9.3 | 0.0\% | 37,048.6 | 11.6 | 0.0\% | 37,046, 3 | 13.9 | 0.0\% | 37,044.0 | 16.2 | 0.0\% | 37,041.7 | 18.5 | 0.0\% |
| ME4 | 365318 | 2000 | Above Normal | March |  | 18,321.8 | 18,314.8 | 6.9 | 0.0\% | 18,313.7 | 8.1 | 0.0\% | 18,311.3 | 10.4 | 0.1\% | 18,309.0 | 12.7 | 0.1\% | 18,306.7 | 15.0 | 0.1\% | 18,35.6 | 16.2 | 0.1\% |
| ME 4 | 365318 | 2000 | Above Normal | April | - | 12,318.3 | 12,311.3 | 6.9 | 0.1\% | 12,310.2 | 8.1 | 0.1\% | 12,307.9 | 10.4 | 0.1\% | 12,306.7 | 11.6 | 0.1\% | 12,304.4 | 13.9 | 0.1\% | 12,302.1 | 16.2 | 0.1\% |
| ME4 | 365318 | 2000 | Above Normal | May | - | 7,097.8 | 7,082.9 | 14.9 | 0.2\% | 7,080.7 | 17.1 | 0.2\% | 7,076.4 | 21.4 | 0.3\% | 7,072.0 | 25.8 | 0.4\% | 7,067.7 | 30.1 | 0.4\% | 7,063.3 | 34.5 | 0.5\% |
| me 4 | 365318 | 2000 | Above Normal | June | - | 2,612.2 | 2,589.8 | 22.3 | 0.9\% | 2,586.6 | 25.6 | 1.0\% | 2,580.2 | 31.9 | 1.2\% | 2,573.8 | 38.3 | 1.5\% | 2,567.5 | 44.7 | 1.7\% | 2,561.1 | 51.0 | 2.0\% |
| ME4 | 365318 | 2000 | Above Normal | July | - | 991.7 | 971.6 | 20.1 | 2.0\% | 968.7 | 23.0 | 2.3\% | 963.0 | 28.8 | 2.9\% | 957.3 | 34.4 | 3.5\% | 951.6 | 40.1 | 4.0\% | 945.9 | 45.8 | 4.6\% |
| me 4 | 365318 | 2000 | Above Normal | August | -- | 521.8 | 503.0 | 18.8 | 3.6\% | 500.3 | 21.5 | 4.1\% | 495.0 | 26.9 | 5.2\% | 489.6 | 32.2 | 6.2\% | 484.3 | 37.6 | 7.2\% | 478.9 | 42.9 | 8.2\% |
| ME 4 | 365318 | 2000 | Above Normal | September | Used in Summary Table Analysis | 295.2 | 278.5 | 16.6 | 5.6\% | 276.2 | 19.0 | 6.4\% | 271.4 | 23.7 | 8.0\% | 266.7 | 28.5 | 9.6\% | 262.0 | 33.2 | 11.2\% | 257.2 | 37.9 | 12.8\% |
| ME4 | 365318 | 2001 | Dry | October | Used in Summary Table Analysis | 3,818.6 | 3,805.1 | 13.5 | 0.4\% | 3,803.1 | 15.5 | 0.4\% | 3,799.2 | 19.4 | 0.5\% | 3,795.3 | 23.4 | 0.6\% | 3,791.4 | 27.2 | 0.7\% | 3,787.5 | 31.1 | 0.8\% |
| me 4 | 365318 | 2001 | Dry | November | Used in Summary Table Analysis | 6,130.3 | 6,119.3 | 11.0 | 0.2\% | 6,117.8 | 12.5 | 0.2\% | 6,114.7 | 15.6 | 0.3\% | 6,111.5 | 18.9 | 0.3\% | 6,108.3 | 22.0 | 0.4\% | 6,105.2 | 25.1 | 0.4\% |
| ME4 | 365318 | 2001 | Dry | December - |  | 8,844.7 | 8,835.2 | 9.5 | 0.1\% | 8,833.8 | 10.9 | 0.1\% | 8,831.1 | 13.5 | 0.2\% | 8,828.4 | 16.3 | 0.2\% | 8,825.6 | 19.1 | 0.2\% | 8,822.8 | 21.9 | 0.2\% |
| me 4 | 365318 | 2001 | Dry | January | - | 12,803.2 | 12,795.1 | 8.1 | 0.1\% | 12,794.0 | 9.3 | 0.1\% | 12,791.7 | 11.6 | 0.1\% | 12,788.2 | 15.0 | 0.1\% | 12,785.9 | 17.4 | 0.1\% | 12,783.6 | 19.7 | 0.2\% |
| ME 4 | 365318 | 2001 | Dry | February | - | 17,479.2 | 17,471.1 | 8.1 | 0.0\% | 17,469.9 | 9.3 | 0.1\% | 17,467.6 | 11.6 | 0.1\% | 17,465.3 | 13.9 | 0.1\% | 17,463.0 | 16.2 | 0.1\% | 17,460.6 | 18.5 | 0.1\% |
| ME4 | 365318 | 2001 | Dry | March | - | 12,299.8 | 12,292.8 | 6.9 | 0.1\% | 12,291.7 | 8.1 | 0.1\% | 12,289.4 | 10.4 | 0.1\% | 12,288.2 | 11.6 | 0.1\% | 12,285.9 | 13.9 | 0.1\% | 12,283.6 | 16.2 | ${ }^{0.1 \%}$ |
| me 4 | 365318 | 2001 | Dry | April | - | 10,975.6 | 10,960.1 | 15.5 | 0.1\% | 10,957.9 | 17.7 | 0.2\% | 10,953.5 | 22.1 | 0.2\% | 10,949.0 | 26.6 | 0.2\% | 10,944.4 | 31.1 | 0.3\% | 10,940.0 | 35.5 | 0.3\% |
| ME4 | 365318 | 2001 | Dry | May | - | 2,636.5 | 2,618.2 | 18.3 | 0.7\% | 2,615.5 | 20.9 | 0.8\% | 2,610.3 | 26.2 | 1.0\% | 2,605.0 | 31.5 | 1.2\% | 2,599.8 | 36.7 | 1.4\% | 2,594.6 | 41.9 | 1.6\% |
| me 4 | 365318 | 2001 | Dry | June | - | 2,650.2 | 2,625.3 | 24.9 | 0.9\% | 2,621.9 | 28.4 | 1.1\% | 2,614.8 | 35.4 | 1.3\% | 2,607.8 | 42.5 | 1.6\% | 2,600.8 | 49.4 | 1.9\% | 2,593.9 | 56.4 | 2.1\% |
| ME 4 | 365318 | 2001 | Dry | July | - | 718.2 | 695.0 | 23.1 | 3.2\% | 691.7 | 26.4 | 3.7\% | 685.2 | 33.0 | 4.6\% | 678.6 | 39.5 | 5.5\% | 672.1 | 46.0 | 6.4\% | 665.5 | 52.6 | 7.3\% |
| ME4 | 365318 | 2001 | Dry | August | -- | 172.3 | 149.9 | 22.5 | 13.0\% | 146.7 | 25.7 | 14.9\% | 140.3 | 32.0 | 18.6\% | 133.9 | 38.4 | 22.3\% | 127.5 | 44.8 | 26.0\% | 121.2 | 51.2 | 29.7\% |
| me 4 | 365318 | 2001 | Dry | September | Used in Summary Table Analysis | 95.3 | 75.3 | 19.9 | 20.9\% | 72.5 | 22.8 | 23.9\% | 66.8 | 28.4 | 29.9\% | 61.2 | 34.1 | 35.8\% | 55.5 | 39.8 | 41.8\% | 49.8 | 45.5 | 47.7\% |
| me4 | 365318 | 2002 | Below Normal | October | Used in Summary Table Analysis | 265.0 | 248.4 | 16.6 | 6.3\% | 246.1 | 18.9 | 7.1\% | 241.3 | 23.7 | 8.9\% | 236.5 | 28.4 | 10.7\% | 231.8 | 33.1 | 12.5\% | 227.0 | 37.9 | 14.3\% |
| me 4 | 365318 | 2002 | Below Normal | November | Used in Summary Table Analysis | 12,033.6 | 12,020.8 | 12.7 | 0.1\% | 12,019.7 | 13.9 | 0.1\% | 12,015.0 | 18.5 | 0.2\% | 12,011.6 | 22.0 | 0.2\% | 12,008.1 | 25.5 | 0.2\% | 12,004.6 | 28.9 | 0.2\% |
| ME 4 | 365318 | 2002 | Below Normal | December - |  | 35,708.3 | 35,69.8 | 11.6 | 0.0\% | 35,695.6 | 12.7 | 0.0\% | 35,692.1 | 16.2 | 0.0\% | 35,688.7 | 19.7 | 0.1\% | 35,685.2 | 23.1 | 0.1\% | 35,681.7 | 26.6 | 0.1\% |
| ME4 | 365318 | 2002 | Below Normal | January | - | 30,893.5 | 30,883.1 | 10.4 | 0.0\% | 30,881.9 | 11.6 | 0.0\% | 30,878.5 | 15.0 | 0.0\% | 30,876.2 | 17.4 | 0.1\% | 30,872.7 | 20.8 | 0.1\% | 30,870.4 | 23.1 | 0.1\% |
| me 4 | 365318 | 2002 | Below Normal | February | -- | 24,686.3 | 24,677.1 | 9.3 | 0.0\% | 24,675.9 | 10.4 | 0.0\% | 24,673.6 | 12.7 | 0.1\% | 24,670.1 | 16.2 | 0.1\% | 24,667.8 | 18.5 | 0.1\% | 24,665.5 | 20.8 | 0.1\% |
| me 4 | 365318 | 2002 | Below Normal | March | -- | 17,785.9 | 17,777.8 | 8.1 | 0.0\% | 17,776.6 | 9.3 | 0.1\% | 17,773.1 | 12.7 | 0.1\% | 17,770.8 | 15.0 | 0.1\% | 17,768.5 | 17.4 | 0.1\% | 17,766.2 | 19.7 | 0.1\% |
| ME4 | 365318 | 2002 | Below Normal | April | - | 9,927.1 | 9,911.5 | 15.6 | 0.2\% | 9,909.3 | 17.8 | 0.2\% | 9,904.9 | 22.2 | 0.2\% | 9,900.5 | 26.6 | 0.3\% | 9,895.9 | 31.1 | 0.3\% | ${ }^{9,891.6}$ | 35.5 | 0.4\% |
| me 4 | 365318 | 2002 | Below Normal | May | - | 3,319.7 | 3,301.4 | 18.3 | 0.6\% | 3,298.7 | 20.9 | 0.6\% | 3,293.5 | 26.2 | 0.8\% | 3,288.3 | 31.4 | 0.9\% | 3,283.0 | 36.7 | 1.1\% | 3,277.8 | 41.9 | 1.3\% |
| ME4 4 | 365318 | 2002 | Below Normal | June | - | 853.7 | 833.0 | 20.6 | 2.4\% | 830.1 | 23.6 | 2.8\% | 824.2 | 29.4 | 3.4\% | 818.4 | 35.3 | 4.1\% | 812.5 | 41.2 | 4.8\% | 806.7 | 47.0 | 5.5\% |
| me 4 | 365318 | 2002 | Below Normal | July | - | 362.3 | 341.5 | 20.8 | 5.7\% | 338.5 | 23.7 | 6.6\% | 332.6 | 29.7 | 8.2\% | 326.7 | 35.6 | 9.8\% | 320.8 | 41.5 | 11.5\% | 314.8 | 47.4 | 13.1\% |
| me4 | 365318 | 2002 | Below Normal | August | -- | 227.0 | 207.6 | 19.4 | 8.6\% | 204.8 | 22.2 | 9.8\% | 199.3 | 27.8 | 12.2\% | 193.7 | 33.3 | 14.7\% | 188.2 | 38.9 | 17.1\% | 182.7 | 44.4 | 19.6\% |
| ME4 | 365318 | 2002 | Below Normal | September | Used in Summary Table Analysis | 163.8 | 145.6 | 18.3 | 11.2\% | 142.9 | 20.9 | 12.8\% | 137.7 | 26.1 | 15.9\% | 132.5 | 31.3 | 19.1\% | 127.3 | 36.6 | 22.3\% | 122.0 | 41.8 | 25.5\% |
| ME 4 | 365318 | 2003 | Wet | October | Used in Summary Table Analysis | 128.8 | 114.0 | 14.8 | 11.5\% | 111.9 | 17.0 | 13.2\% | 107.6 | 21.2 | 16.5\% | 103.3 | 25.5 | 19.8\% | 99.0 | 29.8 | 23.1\% | 94.7 | 34.1 | 26.5\% |
| ME4 4 | 365318 | 2003 | Wet | November | Used in Summary Table Analysis | 896.3 | 884.5 | 11.8 | 1.3\% | 882.8 | 13.5 | 1.5\% | 879.4 | 17.0 | 1.9\% | 875.9 | 20.4 | 2.3\% | 872.5 | 23.8 | 2.7\% | 869.1 | 27.2 | 3.0\% |
| ME 4 | 365318 | 2003 | Wet | December - |  | 56,880.8 | 56,870.4 | 10.4 | 0.0\% | 56,869.2 | 11.6 | 0.0\% | 56,86.9 | 13.9 | 0.0\% | 56,863.4 | 17.4 | 0.0\% | 56,860.0 | 20.8 | 0.0\% | 56,857.6 | 23.1 | 0.0\% |
| ME4 | 365318 | 2003 | Wet | January | -- | 31,542.8 | 31,533.6 | 9.3 | 0.0\% | 31,532.4 | 10.4 | 0.0\% | 31,528.9 | 13.9 | 0.0\% | 31,526.6 | 16.2 | 0.1\% | 31,524.3 | 18.5 | 0.1\% | 31,520.8 | 22.0 | 0.1\% |
| ME4 | 365318 | 2003 | Wet | February - |  | 20,358.8 | 20,350.7 | 8.1 | 0.0\% | 20,349.5 | 9.3 | 0.0\% | 20,347.2 | 11.6 | 0.1\% | 20,344.9 | 13.9 | 0.1\% | 20,342.6 | 16.2 | 0.1\% | 20,340.3 | 18.5 | 0.1\% |
| ME 4 | 365318 | 2003 | Wet | March | - | 24,042.8 | 24,034.7 | 8.1 | 0.0\% | 24,033.6 | 9.3 | 0.0\% | 24,031.3 | 11.6 | 0.0\% | 24,028.9 | 13.9 | 0.1\% | 24,026.6 | 16.2 | 0.1\% | 24,024.3 | 18.5 | 0.1\% |
| ME4 4 | 365318 | 2003 | Wet | April | - | 42,937.5 | 42,930.6 | 6.9 | 0.0\% | 42,929.4 | 8.1 | 0.0\% | 42,927.1 | 10.4 | 0.0\% | 42,924.8 | 12.7 | 0.0\% | 42,922.5 | 15.0 | 0.0\% | 42,920.1 | 17.4 | 0.0\% |
| ME4 4 | 365318 | 2003 | Wet | May | - | 12,226.9 | 12,210.6 | 16.2 | 0.1\% | 12,208.3 | 18.5 | 0.2\% | 12,204.9 | ${ }^{22.0}$ | 0.2\% | 12,200.2 | ${ }^{26.6}$ | 0.2\% | 12,195.6 | ${ }^{31.3}$ | 0.3\% | 12,191.0 | 35.9 | 0.3\% |
| ME4 | 365318 <br> 36518 | 2003 | Wet | June | - | 3,166.6 | 3,146.6 | 19.9 | 0.6\% | 3,143.8 | 22.8 <br> 235 | ${ }^{0.7 \%}$ | 3,138.2 | 28.4 | 0.9\% | 3,132.6 | 33.9 35.3 | ${ }^{1.1 \%}$ | 3,127.1 | 39.5 | ${ }^{1.2 \%}$ | 3,121.5 | 45.0 | 1.4\% |
| ME 4 <br> ME 4 | 365318 | 2003 | Wet | July | - | 1,474.2 | 1,453.6 | 20.6 | 1.4\% | 1,450.7 | ${ }^{23.5}$ | 1.6\% | 1,444.8 | 29.4 | 2.0\% | 1,438.9 | 35.3 | 2.4\% | 1,433.1 | ${ }^{41.1}$ | 2.8\% | 1,427.2 | 47.0 | ${ }^{3.2 \%}$ |
|  | 365318 <br> 36538 | 2003 | Wet | August | -- | 760.2 | 740.3 | 19.9 | 2.6\% | 737.4 | 22.8 | 3.0\% | 731.7 | 28.4 | 3.7\% | 726.1 | 34.1 290 | 4.5\% | 720.4 | 39.8 <br> 338 <br> 38 | 5.2\% | 714.6 | 45.6 | $6.0 \%$ $8.4 \%$ |
| ME ME 4 4 | 365318 <br> 365318 | 2003 2004 | Wet Wet | September October | Used in Summary Table Analysis Used in Summary Table Analysis | 458.0 324.9 | 441.1 311.0 | 16.9 13.9 | $3.7 \%$ $4.3 \%$ | 438.7 309.0 | 19.3 15.8 | 4.2\% $4.9 \%$ | 433.8 305.1 | 24.1 19.8 | $5.3 \%$ $6.1 \%$ | 429.0 301.1 | 29.0 23.8 | $6.3 \%$ $7.3 \%$ | 424.2 297.1 | 33.8 <br> 27.8 | 7.4.4\% | 419.4 293.1 | 38.6 31.8 | 8.4\% $9.8 \%$ |
| ME4 | 365318 | 2004 | Wet | November | Used in Summary Table Analysis | 5,810.8 | 5,799.7 | 11.1 | 0.2\% | 5,798.0 | 12.7 | 0.2\% | 5,794.8 | 16.0 | 0.3\% | 5,791.6 | 19.2 | 0.3\% | 5,788.3 | 22.5 | 0.4\% | 5,785.1 | 25.7 | 0.4\% |
| ME 4 | 365318 | 2004 | Wet | December - |  | 36,348.4 | 36,339.1 | 9.3 | 0.0\% | 36,388.0 | 10.4 | 0.0\% | 36,334.5 | 13.9 | 0.0\% | 36,332.2 | 16.2 | 0.0\% | 36,328.7 | 19.7 | 0.1\% | 36,326.4 | 22.0 | 0.1\% |
| me4 | 365318 | 2004 | Wet | January | - | 31,500.0 | 31,490.7 | 9.3 | 0.0\% | 31,489.6 | 10.4 | 0.0\% | 31,887.3 | 12.7 | 0.0\% | 31,485.0 | 15.0 | 0.0\% | 31,882.6 | 17.4 | 0.1\% | 31,479.2 | 20.8 | 0.1\% |
| ME 4 | 365318 | 2004 | Wet | February | - | 38,260.4 | 38,252.3 | 8.1 | 0.0\% | 38,251.2 | 9.3 | 0.0\% | 38,248.8 | 11.6 | 0.0\% | 38,246.5 | 13.9 | 0.0\% | 38,244.2 | 16.2 | 0.0\% | 38,241.9 | 18.5 | 0.0\% |
| ME 4 | 365318 | 2004 | Wet | March | - | 16,527.8 | 16,519.7 | 8.1 | 0.0\% | 16,518.5 | 9.3 | 0.1\% | 16,516.2 | 11.6 | 0.1\% | 16,513.9 | 13.9 | 0.1\% | 16,512.7 | 15.0 | 0.1\% | 16,510.4 | 17.4 | 0.1\% |
| ME 4 | 365318 | 2004 | Wet | April | - | 9,452.7 | 9,445.5 | 7.2 | 0.1\% | 9,444.4 | 8.2 | 0.1\% | 9,442.5 | 10.2 | 0.1\% | 9,440.4 | 12.3 | 0.1\% | 9,438.2 | 14.5 | 0.2\% | 9,436.1 | 16.6 | 0.2\% |
| ME4 | 365318 | 2004 | Wet | May |  | 3,421.8 | 3,406.6 | 15.2 | 0.4\% | 3,404.4 | 17.4 | 0.5\% | 3,400.0 | 21.8 | 0.6\% | 3,395.7 | 26.0 | 0.8\% | 3,391.3 | 30.4 | 0.9\% | 3,386.9 | 34.8 | 1.0\% |
| ME4 | 365318 | 2004 | Wet | June | - | 691.7 | 672.7 | 19.0 | 2.7\% | 670.0 | 21.7 | 3.1\% | 664.6 | 27.1 | 3.9\% | 659.2 | 32.5 | 4.7\% | 653.8 | 37.9 | 5.5\% | 648.4 | 43.3 | 6.3\% |
| ME 4 | 365318 | 2004 | Wet | July | - | 356.1 | 335.9 | 20.2 | 5.7\% | 333.0 | 23.1 | 6.5\% | 327.3 | 28.9 | 8.1\% | 321.5 | 34.6 | 9.7\% | 315.7 | 40.4 | 11.3\% | 310.0 | 46.2 | 13.0\% |
| ME 4 | 365318 | 2004 | Wet | August | -- | 225.1 | 206.2 | 19.0 | 8.4\% | 203.4 | 21.7 | 9.6\% | 198.0 | 27.1 | 12.0\% | 192.6 | 32.5 | 14.5\% | 187.2 | 37.9 | 16.9\% | 181.8 | 43.4 | 19.3\% |
| me 4 | 365318 | 2004 | Wet | September | Used in Summary Table Analysis | 162.2 | 144.2 | 18.0 | 11.1\% | 141.6 | 20.5 | 12.7\% | 136.5 | 25.7 | 15.8\% | 131.4 | 30.8 | 19.0\% | 126.2 | 35.9 | 22.2\% | 121.1 | 41.1 | 25.3\% |
| ME4 | 365318 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,692.8 | 7,678.7 | 14.1 | 0.2\% | 7,676.7 | 16.1 | 0.2\% | 7,672.7 | 20.1 | 0.3\% | 7,668.6 | 24.2 | 0.3\% | 7,664.6 | 28.2 | 0.4\% | 7,660.4 | 32.4 | 0.4\% |
| ME4 | 365318 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,257.6 | 2,246.5 | 11.1 | 0.5\% | 2,245.0 | 12.6 | 0.6\% | 2,241.8 | 15.9 | 0.7\% | 2,238.7 | 19.0 | 0.8\% | 2,235.4 | 22.2 | 1.0\% | 2,232.2 | 25.5 | 1.1\% |
| ME4 | 365318 | 2005 | Above Normal | December |  | 21,059.0 | 21,049.8 | 9.3 | 0.0\% | 21,048.6 | 10.4 | 0.0\% | 21,045.1 | 13.9 | 0.1\% | 21,042.8 | 16.2 | 0.1\% | 21,040.5 | 18.5 | 0.1\% | 21,037.0 | 22.0 |  |
| ME4 | 365318 | 2005 | Above Normal | January |  | 22,410.9 | 22,401.6 | 9.3 | 0.0\% | 22,400.5 | 10.4 | 0.0\% | 22,398.1 | 12.7 | 0.1\% | 22,395.8 | 15.0 | 0.1\% | 22,392.4 | 18.5 | 0.1\% | 22,390.0 | 20.8 | 0.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year |  | Month |  | Flowwithout Pumping (cfs) | 75\% Pumping Increase |  |  | ing |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | $\begin{gathered} \text { Percent } \\ \text { Difference } \\ \hline \end{gathered}$ | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cffs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference |
| ME 4 | 365318 | 2005 | Above Normal |  | February |  | 14,015.0 | 14,006.9 | 8.1 | 0.1\% | 14,005.8 | 9.3 | 0.1\% | 14,003.5 | 11.6 | 0.1\% | 14,001.2 | 13.9 | 0.1\% | 13,998.8 | 16.2 | 0.1\% | 13,996.5 | 18.5 | 0.1\% |
| ME 4 | 365318 | 2005 | Above Normal | March | - | 28,585.6 | 28,578.7 | 6.9 | 0.0\% | 28,57.5 | 8.1 | 0.0\% | 28,575.2 | 10.4 | 0.0\% | 28,57.9 | 12.7 | 0.0\% | 28,570.6 | 15.0 | 0.1\% | 28,569.4 | 16.2 | 0.1\% |
| ME 4 | 365318 | 2005 | Above Normal | April | - | 21,457.2 | 21,450.2 | 6.9 | 0.0\% | 21,449.1 | 8.1 | 0.0\% | 21,446.8 | 10.4 | 0.0\% | 21,445.6 | 11.6 | 0.1\% | 21,443.3 | 13.9 | 0.1\% | 21,441.0 | 16.2 | 0.1\% |
| me 4 | 365318 | 2005 | Above Normal | May | - | 19,584.5 | 19,569.4 | 15.0 | 0.1\% | 19,567.1 | 17.4 | 0.1\% | 19,562.5 | 22.0 | 0.1\% | 19,557.9 | 26.6 | 0.1\% | 19,553.2 | 31.3 | 0.2\% | 19,549.8 | 34.7 | 0.2\% |
| ME4 | 365318 | 2005 | Above Normal | June | - | 15,890.0 | 15,86.9 | 23.1 | 0.1\% | 15,863.4 | 26.6 | 0.2\% | 15,856.5 | 33.6 | 0.2\% | 15,850.7 | 39.4 | 0.2\% | 15,843.8 | 46.3 | 0.3\% | 15,836.8 | 53.2 | 0.3\% |
| ME4 | 365318 | 2005 | Above Normal | July | - | 2,863.4 | 2,842.5 | 20.9 | 0.7\% | 2,839.5 | 24.0 | 0.8\% | 2,833.6 | 29.9 | 1.0\% | 2,827.5 | 35.9 | 1.3\% | 2,821.6 | 41.8 | 1.5\% | 2,815.6 | 47.8 | 1.7\% |
| ME 4 | 365318 | 2005 | Above Normal | August | -- | 983.0 | 964.1 | 18.9 | 1.9\% | 961.4 | 21.6 | 2.2\% | 956.0 | 27.0 | 2.7\% | 950.6 | 32.4 | 3.3\% | 945.2 | 37.8 | 3.8\% | 939.8 | 43.1 | 4.4\% |
| ME4 | 365318 | 2005 | Above Normal | September | Used in Summary Table Analysis | 524.6 | 507.9 | 16.6 | 3.2\% | 505.5 | 19.0 | 3.6\% | 500.8 | 23.8 | 4.5\% | 496.0 | 28.5 | 5.4\% | 491.3 | 33.3 | 6.3\% | 486.6 | 38.0 | 7.2\% |
| me 4 | 365318 | 2006 | wet | October | Used in Summary Table Analysis | 634.5 | 621.1 | 13.4 | 2.1\% | 619.2 | 15.3 | 2.4\% | 615.3 | 19.2 | 3.0\% | 611.5 | 23.0 | 3.6\% | 607.7 | 26.8 | 4.2\% | 603.8 | 30.7 | 4.8\% |
| ME4 | 365318 | 2006 | Wet | November | Used in Summary Table Analysis | 9,320.4 | 9,309.8 | 10.5 | 0.1\% | 9,308.3 | 12.0 | 0.1\% | 9,305.3 | 15.0 | 0.2\% | 9,302.2 | 18.2 | 0.2\% | 9,299.2 | 21.2 | 0.2\% | 9,296.1 | 24.3 | 0.3\% |
| me 4 | 365318 | 2006 | Wet | December - |  | 43,547.5 | 43,538.2 | 9.3 | 0.0\% | 43,537.0 | 10.4 | 0.0\% | 43,534.7 | 12.7 | 0.0\% | 43,531.3 | 16.2 | 0.0\% | 43,528.9 | 18.5 | 0.0\% | 43,525.5 | 22.0 | 0.1\% |
| ME 4 | 365318 | 2006 | Wet | January | -- | 46,343.8 | 46,34.5 | 9.3 | 0.0\% | 46,333.3 | 10.4 | 0.0\% | 46,331.0 | 12.7 | 0.0\% | 46,328.7 | 15.0 | 0.0\% | 46,326.4 | 17.4 | 0.0\% | 46,322.9 | 20.8 | 0.0\% |
| ME4 | 365318 | 2006 | Wet | February | -- | 26,637.7 | 26,629.6 | 8.1 | 0.0\% | 26,628.5 | 9.3 | 0.0\% | 26,627.3 | 10.4 | 0.0\% | 26,625.0 | 12.7 | 0.0\% | 26,622.7 | 15.0 | 0.1\% | 26,620.4 | 17.4 | 0.1\% |
| me 4 | 365318 | 2006 | Wet | March | -- | 47,194.4 | 47,186.3 | 8.1 | 0.0\% | 47,185.2 | 9.3 | 0.0\% | 47,182.9 | 11.6 | 0.0\% | 47,181.7 | 12.7 | 0.0\% | 47,179.4 | 15.0 | 0.0\% | 47,177.1 | 17.4 | 0.0\% |
| ME4 | 365318 | 2006 | Wet | April | - | 30,442.1 | 30,435.2 | 6.9 | 0.0\% | 30,434.0 | 8.1 | 0.0\% | 30,431.7 | 10.4 | 0.0\% | 30,429.4 | 12.7 | 0.0\% | 30,428.2 | 13.9 | 0.0\% | 30,425.9 | 16.2 | 0.1\% |
| me 4 | 365318 | 2006 | Wet | May | - | 14,215.3 | 14,206.0 | 9.3 | 0.1\% | 14,203.7 | 11.6 | 0.1\% | 14,201.4 | 13.9 | 0.1\% | 14,199.1 | 16.2 | 0.1\% | 14,195.6 | 19.7 | 0.1\% | 14,193.3 | 22.0 | 0.2\% |
| ME 4 | 365318 | 2006 | Wet | June | - | 3,547.6 | 3,528.6 | 19.0 | 0.5\% | 3,525.9 | 21.6 | 0.6\% | 3,520.5 | 27.1 | 0.8\% | 3,515.2 | 32.4 | 0.9\% | 3,509.8 | 37.7 | 1.1\% | 3,504.5 | 43.1 | 1.2\% |
| ME4 | 365318 | 2006 | Wet | July | - | 1,279.4 | 1,259.4 | 20.0 | 1.6\% | 1,256.5 | 22.9 | 1.8\% | 1,250.8 | 28.6 | 2.2\% | 1,245.1 | ${ }^{34.3}$ | 2.7\% | 1,239.5 | 39.9 | 3.1\% | 1,233.9 | 45.5 | 3.6\% |
| me 4 | 365318 | 2006 | Wet | August | -- | 665.5 | 64.1 | 19.4 | 2.9\% | 643.4 | 22.1 | 3.3\% | 637.9 | 27.6 | 4.1\% | 632.4 | 33.1 | 5.0\% | 626.9 | 38.6 | 5.8\% | 621.4 | 44.1 | 6.6\% |
| ME4 | 365318 | 2006 | Wet | September | Used in Summary Table Analysis | 426.4 | 409.5 | 16.9 | 4.0\% | 407.1 | 19.2 | 4.5\% | 402.3 | 24.1 | 5.6\% | 397.5 | 28.8 | 6.8\% | 392.7 | 33.6 | 7.9\% | 387.9 | 38.4 | 9.0\% |
| me 4 | 365318 | 2007 | Above Normal | October | Used in Summary Table Analysis | 274.5 | 260.9 | 13.6 | 5.0\% | 258.9 | 15.5 | 5.7\% | 255.0 | 19.4 | 7.1\% | 251.1 | 23.3 | 8.5\% | 247.2 | 27.3 | 9.9\% | 243.3 | 31.2 | 11.4\% |
| ME 4 | 365318 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,679.3 | 8,668.3 | 11.0 | 0.1\% | 8,666.8 | 12.5 | 0.1\% | 8,663.5 | 15.7 | 0.2\% | 8,660.4 | 18.9 | 0.2\% | 8,657.2 | 22.1 | 0.3\% | 8,653.9 | 25.3 | 0.3\% |
| ME4 | 365318 | 2007 | Above Normal | December - |  | 20,437.5 | 20,427.1 | 10.4 | 0.1\% | 20,425.9 | 11.6 | 0.1\% | 20,423.6 | 13.9 | 0.1\% | 20,420.1 | 17.4 | 0.1\% | 20,417.8 | 19.7 | 0.1\% | 20,414.4 | 23.1 | 0.1\% |
| me 4 | 365318 | 2007 | Above Normal | January | -- | 10,258.0 | 10,249.4 | 8.6 | 0.1\% | 10,248.1 | 9.8 | 0.1\% | 10,245.7 | 12.3 | 0.1\% | 10,243.2 | 14.8 | 0.1\% | 10,240.7 | 17.2 | 0.2\% | 10,238.2 | 19.8 | 0.2\% |
| me4 | 365318 | 2007 | Above Normal | February | -- | 30,601.9 | 30,593.8 | 8.1 | 0.0\% | 30,592.6 | 9.3 | 0.0\% | 30,590.3 | 11.6 | 0.0\% | 30,588.0 | 13.9 | 0.0\% | 30,585.6 | 16.2 | 0.1\% | 30,583.3 | 18.5 | 0.1\% |
| me 4 | 365318 | 2007 | Above Normal | March | -- | 13,106.5 | 13,098.4 | 8.1 | 0.1\% | 13,097.2 | 9.3 | 0.1\% | 13,094.9 | 11.6 | 0.1\% | 13,092.6 | 13.9 | 0.1\% | 13,090.3 | 16.2 | 0.1\% | 13,088.0 | 18.5 | 0.1\% |
| ME 4 | 365318 | 2007 | Above Normal | April | - | 11,538.7 | 11,523.7 | 14.9 | 0.1\% | 11,521.6 | 17.0 | 0.1\% | 11,517.4 | 21.3 | 0.2\% | 11,513.1 | 25.6 | 0.2\% | 11,508.8 | 29.9 | 0.3\% | 11,504.5 | 34.1 | 0.3\% |
| ME4 | 365318 | 2007 | Above Normal | May | - | 4,141.2 | 4,123.6 | 17.6 | 0.4\% | 4,121.1 | 20.1 | 0.5\% | 4,116.0 | 25.2 | 0.6\% | 4,110.9 | 30.3 | 0.7\% | 4,105.8 | 35.4 | 0.9\% | 4,100.7 | 40.5 | 1.0\% |
| ME 4 | 365318 | 2007 | Above Normal | June | - | 1,499.3 | 1,478.1 | 21.2 | 1.4\% | 1,475.1 | 24.2 | 1.6\% | 1,469.1 | 30.2 | 2.0\% | 1,463.1 | 36.2 | 2.4\% | 1,457.1 | 42.2 | 2.8\% | 1,451.2 | 48.1 | 3.2\% |
| me 4 | 365318 | 2007 | Above Normal | July | - | 496.0 | 474.8 | 21.2 | 4.3\% | 471.7 | 24.2 | 4.9\% | 465.7 | 30.2 | 6.1\% | 459.7 | 36.3 | 7.3\% | 453.7 | 42.3 | 8.5\% | 447.7 | 48.3 | 9.7\% |
| ME4 | 365318 | 2007 | Above Normal | August | -- | 223.1 | 204.1 | 19.0 | 8.5\% | 201.3 | 21.7 | 9.7\% | 195.9 | 27.2 | 12.2\% | 190.5 | 32.6 | 14.6\% | 185.1 | 38.0 | 17.0\% | 179.7 | 43.4 | 19.4\% |
| ME4 | 365318 | 2007 | Above Normal | September | Used in Summary Table Analysis | 150.7 | 132.8 | 17.9 | 11.9\% | 130.3 | 20.5 | 13.6\% | 125.2 | 25.6 | 17.0\% | 120.1 | 30.7 | 20.4\% | 114.9 | 35.8 | 23.7\% | 109.8 | 40.9 | 27.1\% |
| ME4 4 | 365318 | 2008 | Dry | October | Used in Summary Table Analysis | 3,437.8 | 3,423.4 | 14.5 | 0.4\% | 3,421.3 | 16.6 | 0.5\% | 3,417.2 | 20.6 | 0.6\% | 3,413.1 | 24.8 | 0.7\% | 3,408.8 | 29.1 | 0.8\% | 3,404.6 | 33.2 | 1.0\% |
| ME 4 | 365318 | 2008 | Dry | November | Used in Summary Table Analysis | 3,278.8 | 3,267.7 | 11.1 | 0.3\% | 3,266.1 | 12.7 | 0.4\% | 3,262.8 | 16.0 | 0.5\% | 3,259.6 | 19.2 | 0.6\% | 3,256.4 | 22.5 | 0.7\% | 3,253.2 | 25.6 | 0.8\% |
| me4 | 365318 | 2008 | Dry | December |  | 23,162.0 | 23,151.6 | 10.4 | 0.0\% | 23,150.5 | 11.6 | 0.0\% | 23,148.1 | 13.9 | 0.1\% | 23,144.7 | 17.4 | 0.1\% | 23,142.4 | 19.7 | 0.1\% | 23,138.9 | 23.1 | 0.1\% |
| ME4 | 365318 | 2008 | Dry | January |  | 37,564.8 | 37,55.6 | 9.3 | 0.0\% | 37,54.4 | 10.4 | 0.0\% | 37,552.1 | 12.7 | 0.0\% | 37,548.6 | 16.2 | 0.0\% | 37,546.3 | 18.5 | 0.0\% | 37,544.0 | 20.8 | 0.1\% |
| ME 4 | 365318 | 2008 | Dry | February | -- | 26,278.9 | 26,270.8 | 8.1 | 0.0\% | 26,269.7 | 9.3 | 0.0\% | 26,267.4 | 11.6 | 0.0\% | 26,265.0 | 13.9 | 0.1\% | 26,262.7 | 16.2 | 0.1\% | 26,260.4 | 18.5 | 0.1\% |
| ME4 4 | 365318 | 2008 | Dry | March | -- | 11,797.5 | 11,790.5 | 6.9 | 0.1\% | 11,789.4 | 8.1 | 0.1\% | 11,787.0 | 10.4 | 0.1\% | 11,784.7 | 12.7 | 0.1\% | 11,782.4 | 15.0 | 0.1\% | 11,781.3 | 16.2 | 0.1\% |
| ME4 4 | 365318 | 2008 | Dry | April | - | 9,019.0 | 9,003.9 | 15.0 | 0.2\% | $9,001.7$ | 17.2 | 0.2\% | 8,997.3 | 21.6 | 0.2\% | 8,993.1 | ${ }^{25.9}$ | 0.3\% | 8,988.7 | ${ }^{30.3}$ | 0.3\% | 8,984.4 | 34.6 | 0.4\% |
| ME4 | 365318 <br> 36518 | 2008 | Dry | May | - | 1,353.8 | 1,342.6 | ${ }^{16.2}$ | 1.2\% | 1,340.3 | 18.5 | ${ }^{1.4 \%}$ | $1,335.6$ | 23.1 | ${ }^{1.7 \%}$ | 1,331.1 | 27.7 39.7 | ${ }^{2.0 \%}$ | 1,326.6 | 32.2 | 2.4\% | $1,322.2$ <br> 385 <br> 8.5 | 35.6 | 2.7\% |
| ME4 4 | 365318 | 2008 | Dry | June | - | 437.8 | 414.8 | ${ }^{23.1}$ | 5.3\% | 411.5 | 26.4 | 6.0\% | 405.0 | 32.9 | 7.5\% | 398.5 | 39.4 | 9.0\% | 392.0 | 45.9 | 10.5\% | 385.5 | 52.3 | 12.0\% |
| me 4 | 365318 | 2008 | Dry | July | - | 256.0 | 233.4 | 22.6 | 8.8\% | 230.2 | 25.8 | 10.1\% | 223.7 | 32.2 | 12.6\% | 217.3 | 38.7 | 15.1\% | 210.9 | 45.1 | 17.6\% | 204.5 | 51.5 | 20.1\% |
| ME4 | 365318 <br> 365318 | 2008 | Dry | August | 家 | 179.4 | 157.6 | 21.8 | 12.2\% | 154.5 | 25.0 | 13.9\% | 148.2 | 31.2 | 17.4\% | ${ }^{124.0}$ | 37.4 358 | 20.8\% | ${ }^{135.8}$ | ${ }^{43.6}$ | 24.3\% | ${ }^{129.6}$ | 49.8 | 27.8\% |
| ME 4 | 365318 | 2008 | Dry | September | Used in Summary Table Analysis | 141.1 | 120.2 | 20.9 | 14.8\% | 117.2 | 23.9 | 16.9\% | 111.2 | 29.9 | 21.2\% | 105.3 | 35.8 | 25.4\% | 99.3 | 41.8 | 29.6\% | 93.3 | 47.7 | 33.8\% |
| ME4 4 | 365318 | 2009 | Critical | October | Used in Summary Table Analysis | 924.4 | 908.1 | 16.4 | 1.8\% | ${ }_{9}^{905.7}$ | 18.7 14.6 | 2.0\% | ${ }_{5}^{901.0}$ | 23.5 18.2 | ${ }^{2.5 \%}$ | 896.3 59980 | 28.2 | 3.0\% | 891.7 59494 | 32.7 <br> 25.5 | 3.5\% 0.5\% | 887.0 5.490 .7 | 37.5 29.2 | $4.1 \%$ $0.5 \%$ |
| ME 4 <br> ME 4 | 365318 | 2009 | Critical | November | Used in Summary Table Analysis | 5,519.9 | 5,507.2 | 12.7 | 0.2\% | 5,505.3 | 14.6 | 0.3\% | 5,501.7 | 18.2 | 0.3\% | 5,498.0 | 21.9 | 0.4\% | 5,494.4 | 25.5 | 0.5\% | 5,490.7 | 29.2 | 0.5\% |
| ME <br> ME <br> c | 365318 <br> 36538 | 2009 | ${ }_{\text {Critical }}$ | December - |  | 12,184.0 | ${ }_{1}^{12,173.6}$ | 10.4 | 0.1\% | 12,171.3 | 12.7 | 0.1\% | 12,167.8 | 16.2 | 0.1\% | 12,165.5 | 18.5 | 0.2\% | ${ }_{1}^{12,162.0}$ | 22.0 | 0.2\% | 12,158.6 | 25.5 | $0.2 \%$ $0.3 \%$ 0.0 |
| ME4 | 365318 <br> 365318 | 2009 209 | Critical Critical | January |  | 8,801.3 $22,629.6$ | 8,791.3 22,621.5 | 10.0 8.1 | 0.1\% | \% ${ }^{8,7899.8} \mathbf{2 2 , 6 2 . 4}$ | 11.5 9.3 | - |  | 14.4 11.6 | 0.1\% | $12,784.0$ 22,614.6 | 17.2 15.0 | 0.2\% | ${ }^{82,612.3}$ | 20.1 17.4 | 0.1\% | 22,610.0 | 19.7 | 0.3\% |
| me 4 | 365318 | 2009 | Critical | March | -- | 21,133,1 | 21,125.0 | 8.1 | 0.0\% | 21,123.8 | 9.3 | 0.0\% | 21,121.5 | 11.6 | 0.1\% | 21,119.2 | 13.9 | 0.1\% | 21,116.9 | 16.2 | 0.1\% | 21,114.6 | 18.5 | 0.1\% |
| ME4 | 365318 | 2009 | Critical | April | - | 10,097.6 | 10,081.9 | 15.6 | 0.2\% | 10,079.7 | 17.8 | 0.2\% | 10,075.1 | 22.5 | 0.2\% | 10,070.6 | 27.0 | 0.3\% | 10,066.2 | 31.4 | 0.3\% | 10,061.7 | 35.9 | 0.4\% |
| me4 | 365318 | 2009 | Critical | May | - | 15,589.1 | 15,570.6 | 18.5 | 0.1\% | 15,567.1 | 22.0 | 0.1\% | 15,562.5 | 26.6 | 0.2\% | 15,556.7 | 32.4 | 0.2\% | 15,550.9 | 38.2 | 0.2\% | 15,545.1 | 44.0 | 0.3\% |
| ME4 4 | 365318 | 2009 | Critical | June | - | 3,160.4 | 3,136.0 | 24.4 | 0.8\% | 3,132.4 | 28.0 | 0.9\% | 3,125.5 | 35.0 | 1.1\% | 3,118.4 | 42.0 | 1.3\% | 3,111.5 | 49.0 | 1.5\% | 3,104.5 | 55.9 | 1.8\% |
| ME4 | 365318 | 2009 | Critical | July | - | 1,262.8 | 1,239.9 | ${ }^{22.9}$ | 1.8\% | 1,236.7 | 26.2 | 2.1\% | 1,230.2 | 32.6 | 2.6\% | 1,223.7 | 39.1 | 3.1\% | 1,217.2 | 45.6 | 3.6\% | 1,210.9 | 52.0 | 4.1\% |
| ME 4 | 365318 | 2009 | Critical | August | -- | 668.9 | 644.9 | 22.0 | 3.3\% | 643.7 | 25.1 | 3.8\% | 637.4 | 31.4 | 4.7\% | 631.2 | 37.7 | 5.6\% | 624.9 | 43.9 | 6.6\% | 618.7 | 50.2 | 7.5\% |
| ME4 | 365318 | 2009 | Critical | September | Used in Summary Table Analysis | 390.0 | 370.5 | 19.5 | 5.0\% | 367.7 | 22.3 | 5.7\% | 362.1 | 27.9 | 7.2\% | 356.5 | 33.5 | 8.6\% | 350.9 | 39.1 | 10.0\% | 345.4 | 44.7 | 11.4\% |
| ME4 | 365318 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,088.9 | 6,072.3 | 16.6 | 0.3\% | 6,070.0 | 18.9 | 0.3\% | 6,065.3 | 23.6 | 0.4\% | 6,060.5 | 28.4 | 0.5\% | 6,055.9 | 33.0 | 0.5\% | 6,051.2 | 37.7 | 0.6\% |
| me 4 | 365318 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,296.1 | 8,283.0 | 13.1 | 0.2\% | 8,281.1 | 14.9 | 0.2\% | 8,277.3 | 18.8 | 0.2\% | 8,273.5 | 22.6 | 0.3\% | 8,269.8 | 26.3 | 0.3\% | 8,266.0 | 30.1 | 0.4\% |
| ME 4 | 365318 | 2010 | Below Normal | December - | - | 12,368.1 | 12,357.6 | 10.4 | 0.1\% | 12,355.3 | 12.7 | 0.1\% | 12,351.9 | 16.2 | 0.1\% | 12,349,5 | 18.5 | 0.1\% | 12,346.1 | 22.0 | 0.2\% | 12,342.6 | 25.5 | 0.2\% |
| me 4 | 365318 | 2010 | Below Normal | January | -- | 36,282,4 | 36,273.1 | 9.3 | 0.0\% | 36,270.8 | 11.6 | 0.0\% | 36,268.5 | 13.9 | 0.0\% | 36,265.0 | 17.4 | 0.0\% | 36,262.7 | 19.7 | 0.1\% | 36,259.3 | 23.1 | 0.1\% |
| ME4 | 365318 | 2010 | Below Normal | February |  | 27,258.1 | 27,250.0 | 8.1 | 0.0\% | 27,247.7 | 10.4 | 0.0\% | 27,245.4 | 12.7 | 0.0\% | 27,243.1 | 15.0 | 0.1\% | 27,240.7 | 17.4 | 0.1\% | 27,237.3 | 20.8 | 0.1\% |
| ME4 | 365318 | 2010 | Below Normal | March | - | 28,848,4 | 28,840.3 | 8.1 | 0.0\% | 28,839.1 | 9.3 | 0.0\% | 28,836.8 | 11.6 | 0.0\% | 28,833,3 | 15.0 | 0.1\% | 28,831.0 | 17.4 | 0.1\% | 28,828.7 | 19.7 | 0.1\% |
| ME4 | 365318 365318 | 2010 | Below Normal | April | - | 40,035.9 | ${ }^{40,027.8}$ | 8.1 | ${ }^{0.0 \%}$ | $40,026.6$ 20,2685 | ${ }^{9.3}$ | 0.0\% | 40,024.3 | ${ }_{21.6}^{12.6}$ | 0.0\% | 40,022.0 | 13.9 27.8 | 0.0\% | ${ }^{40,019,7}$ | 16.2 | 0.0\% | 40,017.4 | 18.5 | ${ }^{0.0 \%}$ |
| ME4 | 365318 | 2010 | Below Normal | May | -- | 20,287.0 | 20,270.8 | 16.2 | 0.1\% | 20,268.5 | 18.5 | 0.1\% | 20,263.9 | 23.1 | 0.1\% | 20,259.3 | 27.8 | 0.1\% | 20,254.6 | 32.4 | 0.2\% | 20,250.0 | 37.0 | 0.2\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Location of Interest
EER River Valley Groundwater sustainability Plan
Humboldt County Grondwate Susa

|  |  | Water Year Water Year Type |  |  |  | Flowwithout Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Inc |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water <br> Reach) |  |  | Month | Note |  | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\underset{\substack{\text { Fifow } \\ \text { Differnce } \\ \text { (ffs) }}}{\text { cosen }}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { DFlow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (Cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (cfs) | $\underset{\substack{\text { Fifow } \\ \text { Difference } \\ \text { (cts) }}}{\text { cent }}$ | Percent Difference |
| me 4 | 365318 | 2010 | Below Normal | June | - | 9,364.5 | 9,340.9 | 23.6 | 0.3\% | 9,337.5 | 27.0 | 0.3\% | 9,330.8 | 33.7 | 0.4\% | 9,324.2 | 40.3 | 0.4\% | 9,317.6 | 46.9 | 0.5\% | 9,311.0 | 53.5 | 0.6\% |
| me4 | 365318 | 2010 | Below Normal | July | - | 1,454.6 | 1,433.3 | 21.3 | 1.5\% | 1,430.3 | 24.3 | 1.7\% | 1,424.2 | 30.4 | 2.1\% | 1,418.2 | 36.5 | 2.5\% | 1,412.0 | 42.6 | 2.9\% | 1,406.3 | 48.4 | 3.3\% |
| ME4 | 365318 | 2010 | Below Normal | August | -- | 569.1 | 549.7 | 19.4 | 3.4\% | 546.9 | 22.2 | 3.9\% | 541.3 | 27.8 | 4.9\% | 535.9 | 33.2 | 5.8\% | 530.3 | 38.8 | 6.8\% | 524.8 | 44.3 | 7.8\% |
| me 4 | 365318 | 2010 | Below Normal | September | Used in Summary Table Analysis | 651.3 | 632.8 | 18.4 | 2.8\% | 630.2 | 21.1 | 3.2\% | 624.9 | 26.3 | 4.0\% | 619.7 | 31.6 | 4.8\% | 614.4 | 36.8 | 5.7\% | 609.2 | 42.1 | 6.5\% |
| ME4 | 365318 | 2011 | Wet | October | Used in Summary Table Analysis | 9,645.1 | 9,631.3 | 13.9 | 0.1\% | 9,629.3 | 15.9 | 0.2\% | 9,625.3 | 19.8 | 0.2\% | 9,621.4 | 23.7 | 0.2\% | 9,617.4 | 27.8 | 0.3\% | 9,613.3 | 31.8 | 0.3\% |
| ME4 | 365318 | 2011 | Wet | November | Used in Summary Table Analysis | 14,233.8 | 14,222.2 | 11.6 | 0.1\% | 14,221.1 | 12.7 | 0.1\% | 14,217.6 | 16.2 | 0.1\% | 14,215.3 | 18.5 | 0.1\% | 14,211.8 | 22.0 | 0.2\% | 14,208.3 | 25.5 | 0.2\% |
| ME4 | 365318 | 2011 | Wet | December | -- | 33,760.4 | 33,751.2 | 9.3 | 0.0\% | 33,750.0 | 10.4 | 0.0\% | 33,746.5 | 13.9 | 0.0\% | 33,744.2 | 16.2 | 0.0\% | 33,740.7 | 19.7 | 0.1\% | 33,738.4 | 22.0 | 0.1\% |
| ME4 | 365318 | 2011 | Wet | January | -- | 14,166.7 | 14,158.6 | 8.1 | 0.1\% | 14,157.4 | 9.3 | 0.1\% | 14,155.1 | 11.6 | 0.1\% | 14,151.6 | 15.0 | 0.1\% | 14,149.3 | 17.4 | 0.1\% | 14,147.0 | 19.7 | 0.1\% |
| ME4 | 365318 | 2011 | Wet | February | -- | 20,777.8 | 20,769.7 | 8.1 | 0.0\% | 20,768.5 | 9.3 | 0.0\% | 20,766.2 | 11.6 | 0.1\% | 20,763.9 | 13.9 | 0.1\% | 20,761.6 | 16.2 | 0.1\% | 20,759.3 | 18.5 | 0.1\% |
| ME4 | 365318 | 2011 | Wet | March | - | 52,045.1 | 52,037.0 | 8.1 | 0.0\% | 52,035.9 | 9.3 | 0.0\% | 52,033.6 | 11.6 | 0.0\% | 52,031.3 | 13.9 | 0.0\% | 52,028.9 | 16.2 | 0.0\% | 52,026.6 | 18.5 | 0.0\% |
| ME4 | 365318 | 2011 | Wet | April | - | 24,812.5 | 24,805.6 | 6.9 | 0.0\% | 24,804.4 | 8.1 | 0.0\% | 24,802.1 | 10.4 | 0.0\% | 24,799.8 | 12.7 | 0.1\% | 24,798.6 | 13.9 | 0.1\% | 24,796.3 | 16.2 | 0.1\% |
| ME4 | 365318 | 2011 | Wet | May | - | 11,388.5 | 11,373.3 | 15.3 | 0.1\% | 11,371.1 | 17.5 | 0.2\% | 11,366.6 | 22.0 | 0.2\% | 11,362.0 | 26.5 | 0.2\% | 11,357.6 | 30.9 | 0.3\% | 11,353.2 | 35.3 | 0.3\% |
| ME4 | 365318 | 2011 | Wet | June | - | 7,062.4 | 7,039.4 | 23.0 | 0.3\% | 7,036.1 | 26.3 | 0.4\% | 7,029.6 | 32.8 | 0.5\% | 7,023.1 | 39.2 | 0.6\% | 7,016.7 | 45.7 | 0.6\% | 7,010.2 | 52.2 | 0.7\% |
| ME4 | 365318 | 2011 | Wet | July | - | 1,828.5 | 1,805.8 | 22.7 | 1.2\% | 1,802.5 | 25.9 | 1.4\% | 1,796.2 | 32.3 | 1.8\% | 1,789.7 | 38.8 | 2.1\% | 1,783.2 | 45.3 | 2.5\% | 1,776.9 | 51.6 | 2.8\% |
| ME4 | 365318 | 2011 | Wet | August | -- | 776.9 | 757.7 | 19.2 | 2.5\% | 754.9 | 22.0 | 2.8\% | 749.5 | 27.4 | 3.5\% | 744.0 | 32.9 | 4.2\% | 738.5 | 38.4 | 4.9\% | 733.1 | 43.8 | 5.6\% |
| ME4 | 365318 | 2011 | Wet | September | Used in Summary Table Analysis | 433.5 | 416.1 | 17.4 | 4.0\% | 413.6 | 19.8 | 4.6\% | 408.7 | 24.8 | 5.7\% | 403.8 | 29.7 | 6.9\% | 398.8 | 34.7 | 8.0\% | 393.9 | 39.6 | 9.1\% |
| ME4 | 365318 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,547.2 | 4,533.2 | 14.0 | 0.3\% | 4,531.1 | 16.1 | 0.4\% | 4,527.1 | 20.1 | 0.4\% | 4,523.0 | 24.2 | 0.5\% | 4,519.0 | 28.2 | 0.6\% | 4,514.9 | 32.3 | 0.7\% |
| ME4 | 365318 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,250.8 | 8,239.6 | 11.2 | 0.1\% | 8,238.0 | 12.8 | 0.2\% | 8,234,7 | 16.1 | 0.2\% | 8,231.5 | 19.3 | 0.2\% | 8,228.1 | 22.7 | 0.3\% | 8,224.9 | 25.9 | 0.3\% |
| ME4 | 365318 | 2012 | Below Normal | December | -- | 5,188.5 | 5,178.9 | 9.6 | 0.2\% | 5,177.5 | 11.0 | 0.2\% | 5,174.8 | 13.8 | 0.3\% | 5,171.9 | 16.7 | 0.3\% | 5,169.1 | 19.4 | 0.4\% | 5,166.2 | 22.3 | 0.4\% |
| ME4 | 365318 | 2012 | Below Normal | January | -- | 20,153.9 | 20,145.8 | 8.1 | 0.0\% | 20,14.7 | 9.3 | 0.0\% | 20,142.4 | 11.6 | 0.1\% | 20,138.9 | 15.0 | 0.1\% | 20,136.6 | 17.4 | 0.1\% | 20,134.3 | 19.7 | 0.1\% |
| ME4 | 365318 | 2012 | Below Normal | February | -- | 18,223.4 | 18,215.3 | 8.1 | 0.0\% | 18,214.1 | 9.3 | 0.1\% | 18,211.8 | 11.6 | 0.1\% | 18,209.5 | 13.9 | 0.1\% | 18,207.2 | 16.2 | 0.1\% | 18,04.9 | 18.5 | 0.1\% |
| ME4 | 365318 | 2012 | Below Normal | March | -- | 45,471.1 | 45,463.0 | 8.1 | 0.0\% | 45,461.8 | 9.3 | 0.0\% | 45,459.5 | 11.6 | 0.0\% | 45,457.2 | 13.9 | 0.0\% | 45,454.9 | 16.2 | 0.0\% | 45,452.5 | 18.5 | 0.0\% |
| ME4 | 365318 | 2012 | Below Normal | April | -- | 26,875.0 | 26,868.1 | 6.9 | 0.0\% | 26,866.9 | 8.1 | 0.0\% | 26,864.6 | 10.4 | 0.0\% | 26,862.3 | 12.7 | 0.0\% | 26,861.1 | 13.9 | 0.1\% | 26,858.8 | 16.2 | 0.1\% |
| ME4 | 365318 | 2012 | Below Normal | May | - | 7,486.3 | 7,471.1 | 15.3 | 0.2\% | 7,468.9 | 17.5 | 0.2\% | 7,464.4 | 22.0 | 0.3\% | 7,460.0 | 26.4 | 0.4\% | 7,45.6 | 30.8 | 0.4\% | 7,451.2 | 35.2 | 0.5\% |
| ME4 | 365318 | 2012 | Below Normal | June | - | 5,521.4 | 5,498.0 | 23.4 | 0.4\% | 5,494.7 | 26.7 | 0.5\% | 5,488.1 | 33.3 | 0.6\% | 5,481.5 | 39.9 | 0.7\% | 5,474.9 | 46.5 | 0.8\% | 5,468.3 | 53.1 | 1.0\% |
| ME4 | 365318 | 2012 | Below Normal | July | - | 2,227.1 | 2,205.2 | 21.9 | 1.0\% | 2,202.1 | 25.0 | 1.1\% | 2,195.8 | 31.3 | 1.4\% | 2,189.6 | 37.5 | 1.7\% | 2,183.3 | 43.8 | 2.0\% | 2,177.1 | 50.0 | 2.2\% |
| ME4 | 365318 | 2012 | Below Normal | August | -- | 388.3 | 370.7 | 17.6 | 4.5\% | 368.2 | 20.1 | 5.2\% | 363.2 | 25.1 | 6.5\% | 358.2 | 30.1 | 7.7\% | 353.2 | 35.1 | 9.0\% | 348.2 | 40.1 | 10.3\% |
| ME4 | 365318 | 2012 | Below Normal | September | Used in Summary Table Analysis | 249.1 | 233.5 | 15.6 | 6.3\% | 231.3 | 17.8 | 7.2\% | 226.8 | 22.3 | 8.9\% | 222.4 | 26.7 | 10.7\% | 218.0 | 31.1 | 12.5\% | 213.6 | 35.6 | 14.3\% |
| ME4 | 365318 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,915.5 | 1,902.0 | 13.5 | 0.7\% | 1,900.0 | 15.5 | 0.8\% | 1,896.1 | 19.4 | 1.0\% | 1,892.2 | 23.3 | 1.2\% | 1,888.3 | 27.2 | 1.4\% | 1,884.5 | 31.0 | 1.6\% |
| ME4 4 | 365318 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,709.5 | 14,699.1 | 10.4 | 0.1\% | 14,697.9 | 11.6 | 0.1\% | 14,694.4 | 15.0 | 0.1\% | 14,691.0 | 18.5 | 0.1\% | 14,687.5 | 22.0 | 0.1\% | 14,685.2 | 24.3 | 0.2\% |
| ME4 | 365318 | 2013 | Below Normal | December |  | 60,046.3 | 60,037.0 | 9.3 | 0.0\% | 60,034.7 | 11.6 | 0.0\% | 60,032.4 | 13.9 | 0.0\% | 60,028.9 | 17.4 | 0.0\% | 60,026.6 | 19.7 | 0.0\% | 60,023.1 | 23.1 | 0.0\% |
| ME4 | 365318 | 2013 | Below Normal | January | - | 22,216.4 | 22,208.3 | 8.1 | 0.0\% | 22,207.2 | 9.3 | 0.0\% | 22,204.9 | 11.6 | 0.1\% | 22,202.5 | 13.9 | 0.1\% | 22,200.2 | 16.2 | 0.1\% | 22,197.9 | 18.5 | 0.1\% |
| ME4 | 365318 | 2013 | Below Normal | February | - | 8,852.4 | 8,844.6 | 7.9 | 0.1\% | 8,843.4 | 9.0 | 0.1\% | 8,841.1 | 11.3 | 0.1\% | 8,838.8 | 13.7 | 0.2\% | 8,836.3 | 16.1 | 0.2\% | 8,834.0 | 18.4 | 0.2\% |
| ME4 | 365318 | 2013 | Below Normal | March | -- | 10,340.9 | 10,33.2 | 7.6 | 0.1\% | 10,332.1 | 8.8 | 0.1\% | 10,329.9 | 11.0 | 0.1\% | 10,327.5 | 13.3 | 0.1\% | 10,325.3 | 15.5 | 0.1\% | 10,323.0 | 17.8 | 0.2\% |
| ME4 4 | 365318 | 2013 | Below Normal | April | - | 8,293.5 | 8,278.9 | 14.6 | 0.2\% | 8,276.9 | 16.7 | 0.2\% | 8,272.7 | 20.8 | 0.3\% | 8,268.5 | 25.0 | 0.3\% | 8,264.4 | 29.2 | 0.4\% | 8,260.2 | 33.3 | 0.4\% |
| ME4 | 365318 | 2013 | Below Normal | May | - | 4,434.6 | 4,416.9 | 17.7 | 0.4\% | 4,414.4 | 20.3 | 0.5\% | 4,409.4 | 25.2 | 0.6\% | 4,404.3 | 30.3 | 0.7\% | 4,399.2 | 35.4 | 0.8\% | 4,394.2 | 40.4 | 0.9\% |
| ME 4 | 365318 <br> 365318 | 2013 | Below Normal | June | - | 2,111.0 | 2,089.9 | 21.1 | ${ }^{1.0 \%}$ | 2,086.9 | 24.1 | 1.1\% | 2,080.9 | 30.1 | ${ }^{1.4 \%}$ | 2,075.0 | 36.0 34. | ${ }^{1.7 \%}$ | $2,069.0$ 677.6 | 42.0 | 2.0\% | 2,063.0 | 48.0 | ${ }_{\text {2.3\% }}^{2.4}$ |
| ME4 | 365318 | 2013 | Below Normal | July | - | 718.0 | 697.7 | 20.3 | 2.8\% | 694.8 | 23.2 | 3.2\% | 689.1 | 29.0 | 4.0\% | 683.3 | 34.7 | 4.8\% | 677.6 | 40.5 | 5.6\% | 671.9 | 46.2 | 6.4\% |
| ME4 | 365318 | 2013 | Below Normal | August | -- | 340.2 | 321.3 | 19.0 | 5.6\% | 318.6 | 21.7 | 6.4\% | 313.1 | 27.1 | 8.0\% | 307.7 | 32.5 | 9.5\% | 302.3 | 37.9 | 11.1\% | 296.9 | 43.3 | 12.7\% |
| ME4 | 365318 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,792.1 | 4,772.5 | 19.7 | 0.4\% | 4,769.7 | 22.5 | 0.5\% | 4,764.1 | 28.0 | 0.6\% | 4,758.6 | 33.6 | 0.7\% | 4,753.0 | 39.1 28.5 | ${ }^{0.8 \%}$ | $4,747.3$ <br> 2480 | 44.8 32.6 | ${ }^{0.9 \%}$ |
| ME4 | 365318 | 2014 | Critical | October | Used in Summary Table Analysis | 280.5 | 266.3 | 14.2 | 5.1\% | 264.3 | 16.2 | 5.8\% | 260.2 | 20.3 | 7.2\% | 256.1 | 24.4 | 8.7\% | 252.0 | 28.5 | 10.1\% | 248.0 | ${ }^{32.6}$ | 11.6\% |
| ME4 4 | 365318 | 2014 | Critical | November | Used in Summary Table Analysis | 1,541.0 | $1,529.5$ <br> 1 | 11.5 | 0.7\% | 1,527.9 | 13.1 | 0.8\% | $1,524.7$ 15769 | 16.3 | ${ }^{1.1 \%}$ | ${ }_{1}^{1,521.3}$ | 19.7 | 1.3\% | $1,518.1$ 1 15711 | 22.9 20.1 | $1.5 \%$ $1.3 \%$ 1.3 | $1,514.7$ $1,568.2$ | 26.3 23.0 | $1.7 \%$ <br> $1.4 \%$ |
| ME4 | 365318 <br> 365318 | 2014 | Critical Critical | December |  | $1,591.2$ 2824.4 | $1,581.1$ 2815.4 | $10.1$ | 0.6\% | $1,579.7$ 28141 | $11.5$ | $0.7 \%$ | $1,576.9$ 2,8116 | $14.4$ | 0.9\% | $1,574.0$ 2,800 | 17.2 15.4 | 1.1\% | $1,571.1$ 2806.4 | 20.1 181 | 1.3\% | $1,568.2$ 28037 | 23.0 207 | 1.4\% |
| ME 4 | 365318 | 2014 | Critical | February | -- | 15,762.7 | ${ }_{\text {15,754.6 }}$ | 8.1 | 0.1\% | 15,753.5 | ${ }_{9.3}$ | 0.1\% | 15,751.2 | 11.6 | 0.1\% | 15,748.8 | 13.9 | 0.1\% | 15,746.5 | 16.2 | 0.1\% | 15,744.2 | 18.5 | 0.1\% |
| ME4 | 365318 | 2014 | Critical | March | - | 31,498.8 | 31,490.7 | 8.1 | 0.0\% | 31,489.6 | 9.3 | 0.0\% | 31,487.3 | 11.6 | 0.0\% | 31,885.0 | 13.9 | 0.0\% | 31,482.6 | 16.2 | 0.1\% | 31,880.3 | 18.5 | 0.1\% |
| ME4 | 365318 | 2014 | Critical | April | - | 12,994.2 | 12,978.0 | 16.2 | 0.1\% | 12,975.7 | 18.5 | 0.1\% | 12,972.2 | 22.0 | 0.2\% | 12,967.6 | 26.6 | 0.2\% | 12,963.0 | 31.3 | 0.2\% | 12,958.3 | 35.9 | 0.3\% |
| ME4 | 365318 | 2014 | Critical | May | - | 5,190.3 | 5,771.8 | 18.5 | 0.4\% | 5,169.1 | 21.2 | 0.4\% | 5,163.8 | 26.5 | 0.5\% | 5,158.4 | 31.8 | 0.6\% | 5,153.1 | 37.2 | 0.7\% | 5,147.8 | 42.5 | 0.8\% |
| ME4 | 365318 | 2014 | Critical | June | -- | 1,198.4 | 1,173.0 | 25.3 | 2.1\% | 1,169.4 | 28.9 | 2.4\% | 1,162.3 | 36.1 | 3.0\% | 1,155.1 | 43.3 | 3.6\% | 1,148.0 | 50.4 | 4.2\% | 1,140.9 | 57.5 | 4.8\% |
| ME4 | 365318 | 2014 | Critical | July | - | 544.0 | 522.8 | 23.2 | 4.3\% | 519.5 | 26.5 | 4.9\% | 512.9 | 33.1 | 6.1\% | 506.3 | 39.7 | 7.3\% | 499.7 | 46.3 | 8.5\% | 493.1 | 52.9 | 9.7\% |
| ME4 | 365318 | 2014 | Critical | August | -- | 348.2 | 326.1 | 22.1 | 6.3\% | 323.0 | 25.2 | 7.2\% | 316.7 | 31.5 | 9.0\% | 310.4 | 37.8 | 10.9\% | 304.1 | 44.1 | 12.7\% | 297.8 | 50.3 | 14.5\% |
| ME4 | 365318 | 2014 | Critical | September | Used in Summary Table Analysis | 2,575.9 | 2,554.4 | 21.5 | 0.8\% | 2,551.4 | 24.5 | 1.0\% | 2,545.3 | 30.7 | 1.2\% | 2,539.1 | 36.8 | 1.4\% | 2,533.0 | 42.9 | 1.7\% | 2,526.9 | 49.1 | 1.9\% |
| ME4 | 365318 | 2015 | Dry | October | Used in Summary Table Analysis | 11,373.6 | 11,356.8 | 16.8 | 0.1\% | 11,354.4 | 19.2 | 0.2\% | 11,34998 | 23.8 | 0.2\% | 11,345.0 | 28.6 | 0.3\% | 11,340.4 | 33.2 | 0.3\% | 11,355.4 | 38.2 | 0.3\% |
| ME4 | 365318 | 2015 | Dry | November | Used in Summary Table Analysis | 9,051.9 | 9,039.4 | 12.5 | 0.1\% | 9,037.5 | 14.4 | 0.2\% | 9,033.9 | 17.9 | 0.2\% | 9,030.3 | 21.5 | 0.2\% | 9,026.7 | 25.1 | 0.3\% | 9,023.1 | 28.7 | 0.3\% |
| ME4 | 365318 36518 | 2015 | Dry | December |  | $32,669.0$ 14585 | $32,658.6$ 14.557 | 10.4 | 0.0\% | $32,656.3$ 14574 | 12.7 | 0.0\% | 32,653.9 | 15.0 | 0.0\% | $32,650.5$ 14568 | 18.5 | ${ }^{0.1 \%}$ | 32,647.0 | 22.0 | 0.1\% | $32,643.5$ 14.525 | 25.5 | 0.1\% |
| ME 4 | 365318 | 2015 | Dry | January |  | 14,584.5 | 14,575.2 | 9.3 | 0.1\% | 14,574.1 | 10.4 | 0.1\% | 14,570.6 | 13.9 | 0.1\% | 14,568.3 | 16.2 | 0.1\% | 14,564.8 | 19.7 | 0.1\% | 14,562.5 | 22.0 | 0.2\% |
| ME4 | 365318 <br> 365318 | 2015 | Dry | February | -- | $27,253.5$ 11575 11 | $27,245.4$ 11,56. | 8.1 | 0.0\% | $27,243.1$ +1,56.9 | 10.4 | 0.0\% |  | 12.7 11.6 | ${ }^{0.0 \%}$ | $27,238.4$ 11,5613 | 15.0 | ${ }^{0.1 \%}$ |  | 17.4 | 0.1\% | $27,233.8$ <br> 11,556 <br> 8.689 | 19.7 183 | ${ }^{0.1 \%}$ |
| ME 4 ME4 | 365318 <br> 365318 | 2015 2015 | Dry Dry | $\underset{\substack{\text { March } \\ \text { April }}}{ }$ | $\cdots$ | $111,575.2$ $8,399.3$ 1,56 | $11,567.0$ $8,883.8$ | 8.2 15.5 | $0.1 \%$ $0.2 \%$ | $11,565.9$ $8,381.6$ 1 | 9.4 17.7 | 0.1\% | $\underset{\substack{11,563.7 \\ 8,377.1}}{ }$ | 11.6 22.2 | 0.1\% | ${ }_{\substack{11,561.3 \\ 8,372.7}}$ | 13.9 26.6 | 0.1\% | 111,59.1 <br> $8,368.3$ <br> 1 | 16.1 31.0 | 0.1\% | $11,556.9$ $8,363.8$ 1, | 18.3 35.5 | 0.2\% |
| me 4 | 365318 | 2015 | Dry | May | - | 1,508.6 | 1,490.3 | 18.3 | 1.2\% | 1,487.7 | 20.8 | 1.4\% | 1,482.5 | 26.0 | 1.7\% | 1,477.2 | 31.4 | 2.1\% | 1,472.0 | 36.6 | 2.4\% | 1,466.8 | 41.8 | 2.8\% |
| me4 | 365318 | 2015 | Dry | June | - | 652.5 | 629.0 | 23.5 | 3.6\% | 62.7 | 26.8 | 4.1\% | 619.1 | 33.4 | 5.1\% | 612.5 | 40.0 | 6.1\% | 605.9 | 45.6 | 7.1\% | 599.4 | 53.1 | 8.1\% |
| ME4 | 365318 | 2015 | Dry | July | - | 268.6 | 245.8 | 22.8 | 8.5\% | 242.6 | 26.0 | 9.7\% | 236.1 | 32.5 | 12.1\% | 229.6 | 39.0 | 14.5\% | 223.1 | 45.5 | 16.9\% | 216.7 | 51.9 | 19.3\% |
| ME 4 | ${ }^{3653518}$ | 2015 | Dry | August | - | 166.5 | 144.6 | 21.9 | 13.2\% | 141.5 | 25.1 | 15.0\% | ${ }^{135.2}$ | 31.3 | 18.8\% | 128.9 | 37.6 | 22.6\% | ${ }^{122.7}$ | 43.9 | 26.3\% | 116.4 | 50.1 | 30.1\% |
|  | 365318 | 2015 | Dry | ember | Used in Summary Table Analys | 120.7 | 101.2 | 19.5 | 16.2\% | 98.3 | 22.4 | 18.5\% | 92.2 | 28.5 | 23.6\% | 86.3 | 34.4 | 28.5\% | 80.2 | 40.5 | 33.5\% | 74.2 | 46.5 | 38.5\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month | Note | Flow Without ${ }^{\text {Pumping }}$ (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Flow (ffs) |  |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | $\begin{array}{c}\text { Percent } \\ \text { Difference }\end{array}$ |
| ME4 4 | 365318 | 2016 | Above Normal |  | October | Used in Summary Table Analysis | 86.0 | 68.7 | 17.3 | 20.1\% | 66.1 | 19.9 | 23.2\% | 61.2 | 24.8 | 28.8\% | 56.2 | 29.8 | 34.6\% | 51.4 | 34.6 | 40.2\% | 46.8 | 39.2 | 45.6\% |
| ME 4 | 365318 | 2016 | Above Normal | Novembe | Used in Summary Table Analysis | 3,877.1 | 3,864.5 | 12.6 | 0.3\% | 3,862.5 | 14.6 | 0.4\% | 3,858.7 | 18.4 | 0.5\% | 3,854.9 | 22.2 | 0.6\% | 3,851.0 | 26.0 | 0.7\% | 3,847.2 | 29.9 | 0.8\% |
| me4 | 365318 | 2016 | Above Normal | December |  | 36,679.4 | 36,69.0 | 10.4 | 0.0\% | 36,66.7 | 12.7 | 0.0\% | 36,663.2 | 16.2 | 0.0\% | 36,659.7 | 19.7 | 0.1\% | 36,656.3 | ${ }^{23.1}$ | 0.1\% | 36,653.9 | 25.5 | 0.1\% |
| me 4 | 365318 | 2016 | Above Normal | January | - | 57,379.6 | 57,370.4 | 9.3 | 0.0\% | 57,368.1 | 11.6 | 0.0\% | 57,365.7 | 13.9 | 0.0\% | 57,362.3 | 17.4 | 0.0\% | 57,358.8 | 20.8 | 0.0\% | 57,356.5 | 23.1 | 0.0\% |
| ME4 | 365318 | 2016 | Above Normal | February | - | 24,277.8 | 24,269.7 | 8.1 | 0.0\% | 24,268.5 | 9.3 | 0.0\% | 24,266.2 | 11.6 | 0.0\% | 24,263.9 | 13.9 | 0.1\% | 24,260.4 | 17.4 | 0.1\% | 24,258.1 | 19.7 | 0.1\% |
| ME4 | 365318 | 2016 | Above Normal | March |  | 41,805.6 | 41,797.5 | 8.1 | 0.0\% | 41,796.3 | 9.3 | 0.0\% | 41,794.0 | 11.6 | 0.0\% | 41,791.7 | 13.9 | 0.0\% | 41,788.2 | 17.4 | 0.0\% | 41,785.9 | 19.7 | 0.0\% |
| ME 4 | 365318 | 2016 | Above Normal | April | - | 18,545.1 | 18,537.0 | 8.1 | 0.0\% | 18,535.9 | 9.3 | 0.0\% | 18,534.7 | 10.4 | 0.1\% | 18,532.4 | 12.7 | 0.1\% | 18,530.1 | 15.0 | 0.1\% | 18,527.8 | 17.4 | 0.1\% |
| ME4 | 365318 | 2016 | Above Normal | May | - | 5,217.5 | 5,208.1 | 9.4 | 0.2\% | 5,206.6 | 10.9 | 0.2\% | 5,203.9 | 13.5 | 0.3\% | 5,201.2 | 16.3 | 0.3\% | 5,198.4 | 19.1 | 0.4\% | 5,195.6 | 21.9 | 0.4\% |
| me 4 | 365318 | 2016 | Above Normal | June | - | 1,509.6 | 1,491.3 | 18.3 | 1.2\% | 1,488.7 | 20.9 | 1.4\% | 1,483.6 | 26.0 | 1.7\% | 1,478.4 | 31.3 | 2.1\% | 1,473.1 | 36.5 | 2.4\% | 1,467.9 | 41.7 | 2.8\% |
| ME4 | 365318 | 2016 | Above Normal | July | - | 823.2 | 803.2 | 20.0 | 2.4\% | 800.3 | 23.0 | 2.8\% | 794.6 | 28.7 | 3.5\% | 788.8 | 34.4 | 4.2\% | 783.1 | 40.1 | 4.9\% | 777.4 | 45.8 | 5.6\% |
| me 4 | 365318 | 2016 | Above Normal | August | -- | 491.9 | 472.4 | 19.5 | 4.0\% | 469.6 | 22.3 | 4.5\% | 464.0 | 27.9 | 5.7\% | 458.4 | 33.4 | 6.8\% | 452.9 | 39.0 | 7.9\% | 447.3 | 44.6 | 9.1\% |
| ME 4 | 365318 | 2016 | Above Normal | September | Used in Summary Table Analysis | 328.2 | 311.0 | 17.2 | 5.3\% | 307.8 | 20.4 | 6.2\% | 302.7 | 25.5 | 7.8\% | 297.4 | 30.8 | 9.4\% | 292.2 | 36.0 | 11.0\% | 286.9 | 41.3 | 12.6\% |
| ME4 | 365318 | 2017 | Wet | October | Used in Summary Table Analysis | 18,306.7 | 18,292.8 | 13.9 | 0.1\% | 18,290.5 | 16.2 | 0.1\% | 18,285.9 | 20.8 | 0.1\% | 18,282.4 | 24.3 | ${ }^{0.1 \%}$ | 18,277.8 | 28.9 | 0.2\% | 18,274.3 | 32.4 <br> 25.5 | 0.2\% |
| ME 4 | 365318 | 2017 | Wet | November | Used in Summary Table Analysis | 18,848.4 | 18,838.0 | 10.4 | 0.1\% | 18,835.6 | 12.7 | 0.1\% | 18,833.3 | 15.0 | 0.1\% | 18,829.9 | 18.5 | 0.1\% | 18,826.4 | 22.0 | 0.1\% | 18,822.9 | 25.5 | 0.1\% |
| ME4 | 365318 | 2017 | Wet | December - |  | 24,150.5 | 24,141.2 | 9.3 | 0.0\% | 24,140.0 | 10.4 | 0.0\% | 24,137.7 | 12.7 | 0.1\% | 24,134.3 | 16.2 | 0.1\% | 24,131.9 | 18.5 | 0.1\% | 24,128.5 | 22.0 | 0.1\% |
| ME 4 | 365318 | 2017 | Wet | January | - | 107,015.0 | 107,005.8 | 9.3 | 0.0\% | 107,004.6 | 10.4 | 0.0\% | 107,002.3 | 12.7 | 0.0\% | 107,000.0 | 15.0 | 0.0\% | 106,996.5 | 18.5 | 0.0\% | 106,994.2 | 20.8 | 0.0\% |
| me4 | 365318 | 2017 | Wet | February | - | 81,905.1 | 81,895.8 | 9.3 | 0.0\% | 81,894.7 | 10.4 | 0.0\% | 81,892.4 | 12.7 | 0.0\% | 81,890.0 | 15.0 | 0.0\% | 81,887.7 | 17.4 | 0.0\% | ${ }^{81,885.4}$ | 19.7 | 0.0\% |
| ME4 | 365318 | 2017 | Wet | March | - | 27,295.1 | 27,287.0 | 8.1 | 0.0\% | 27,285.9 | 9.3 | 0.0\% | 27,284.7 | 10.4 | 0.0\% | 27,282.4 | 12.7 | 0.0\% | 27,280.1 | 15.0 | 0.1\% | 27,277.8 | 17.4 | 0.1\% |
| me 4 | 365318 | 2017 | wet | April | - | 22,958.3 | 22,951.4 | 6.9 | 0.0\% | 22,950.2 | 8.1 | 0.0\% | 22,947.9 | 10.4 | 0.0\% | 22,945.6 | 12.7 | 0.1\% | 22,943.3 | 15.0 | 0.1\% | 22,942.1 | 16.2 | 0.1\% |
| ME4 | 365318 | 2017 | Wet | May | - | 6,273.0 | 6,263.4 | 9.6 | 0.2\% | 6,262.0 | 11.0 | 0.2\% | 6,259.4 | 13.7 | 0.2\% | 6,256.6 | 16.4 | 0.3\% | 6,253.8 | 19.2 | 0.3\% | 6,250.9 | 22.1 | 0.4\% |
| me 4 | 365318 | 2017 | Wet | June | - | 2,118.3 | 2,099.5 | 18.8 | 0.9\% | 2,096.9 | 21.4 | 1.0\% | 2,091.6 | 26.7 | 1.3\% | 2,086.2 | 32.1 | 1.5\% | 2,081.0 | 37.3 | 1.8\% | 2,075.7 | 42.6 | 2.0\% |
| ME 4 | 365318 | 2017 | Wet | July | - | 934.8 | 914.6 | 20.3 | 2.2\% | 911.7 | 23.1 | 2.5\% | 906.0 | 28.9 | 3.1\% | 900.2 | 34.6 | 3.7\% | 894.5 | 40.3 | 4.3\% | 888.8 | 46.1 | 4.9\% |
| ME4 | 365318 | 2017 | Wet | August | -- | 507.0 | 487.5 | 19.5 | 3.9\% | 484.7 | ${ }^{22.3}$ | 4.4\% | 479.2 | 27.9 | 5.5\% | ${ }^{473.6}$ | ${ }^{33.4}$ | 6.6\% | 468.1 | 39.0 | 7.7\% | 462.5 | 44.5 | 8.8\% |
| me 4 | 365318 | 2017 | Wet | September | Used in Summary Table Analysis | 323.0 | 305.1 | 17.9 | 5.5\% | 302.5 | 20.5 | 6.3\% | 297.4 | 25.6 | 7.9\% | 292.3 | 30.8 | 9.5\% | 287.1 | 35.9 | 11.1\% | 282.0 | 41.0 | 12.7\% |
| me4 | 365318 | 2018 | Above Normal | October | Used in Summary Table Analysis | 275.8 | 261.6 | 14.1 | 5.1\% | 259.6 | 16.2 | 5.9\% | 255.6 | 20.2 | 7.3\% | 251.5 | 24.3 | 8.8\% | 247.4 | 28.3 | 10.3\% | 243.4 | 32.4 | 11.7\% |
| ME4 4 | 365318 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,813.9 | 10,802.9 | 11.0 | 0.1\% | 10,801.3 | 12.6 | 0.1\% | 10,798.1 | 15.7 | 0.1\% | 10,794.9 | 19.0 | 0.2\% | 10,791.7 | 22.2 | 0.2\% | 10,788.5 | 25.3 | 0.2\% |
| ME 4 | 365318 | 2018 | Above Normal | December - |  | 5,447.6 | 5,438.2 | 9.4 | 0.2\% | 5,436.9 | 10.6 | 0.2\% | 5,434.3 | 13.3 | 0.2\% | 5,431.5 | 16.1 | 0.3\% | 5,428.7 | 18.9 | 0.3\% | 5,425.9 | 21.6 | 0.4\% |
| ME4 | 365318 | 2018 | Above Normal | January | - | 17,819.4 | 17,811.3 | 8.1 | 0.0\% | 17,810.2 | 9.3 | 0.1\% | 17,807.9 | 11.6 | 0.1\% | 17,805.6 | 13.9 | 0.1\% | 17,803.2 | 16.2 | 0.1\% | 17,799.8 | 19.7 | 0.1\% |
| me 4 | 365318 | 2018 | Above Normal | February | -- | 7,598.8 | 7,591.3 | 7.5 | 0.1\% | 7,590.2 | 8.7 | 0.1\% | 7,588.0 | 10.9 | 0.1\% | 7,585.6 | 13.2 | 0.2\% | 7,583.4 | 15.4 | 0.2\% | 7,581.1 | 17.7 | 0.2\% |
| me 4 | 365318 | 2018 | Above Normal | March | -- | 20,724.5 | 20,717.6 | 6.9 | 0.0\% | 20,716.4 | 8.1 | 0.0\% | 20,744.1 | 10.4 | 0.1\% | 20,711.8 | 12.7 | 0.1\% | 20,799.5 | 15.0 | 0.1\% | 20,707.2 | 17.4 | 0.1\% |
| ME4 | 365318 | 2018 | Above Normal | April | - | 32,230.3 | 32,223.4 | 6.9 | 0.0\% | 32,222.2 | 8.1 | 0.0\% | 32,221.1 | 9.3 | 0.0\% | 32,218.8 | 11.6 | 0.0\% | 32,216.4 | 13.9 | 0.0\% | 32,214.1 | 16.2 | 0.1\% |
| me 4 | 365318 | 2018 | Above Normal | May | - | 6,989.1 | 6,974.4 | 14.7 | 0.2\% | 6,972.3 | 16.8 | 0.2\% | 6,968.2 | 20.9 | 0.3\% | 6,964.0 | 25.1 | 0.4\% | 6,959.8 | 29.3 | 0.4\% | 6,955.9 | 33.2 | 0.5\% |
| ME4 4 | 365318 | 2018 | Above Normal | June | - | 1,914.2 | 1,895.4 | 18.9 | 1.0\% | 1,892.7 | 21.5 | 1.1\% | 1,887.4 | 26.9 | 1.4\% | 1,881.9 | 32.3 | 1.7\% | 1,876.6 | 37.6 | 2.0\% | 1,871.3 | 42.9 | 2.2\% |
| me 4 | 365318 | 2018 | Above Normal | July | - | 781.7 | 761.4 | 20.3 | 2.6\% | 758.5 | 23.1 | 3.0\% | 752.8 | 28.9 | 3.7\% | 747.0 | 34.7 | 4.4\% | 741.3 | 40.4 | 5.2\% | 735.5 | 46.2 | 5.9\% |
| me4 | 365318 | 2018 | Above Normal | August | -- | 442.9 | 424.1 | 18.8 | 4.2\% | 421.5 | 21.5 | 4.8\% | 416.1 | 26.8 | 6.1\% | 410.8 | 32.2 | 7.3\% | 405.4 | 37.5 | 8.5\% | 400.0 | 42.9 | 9.7\% |
| ME4 | 365318 | 2018 | Above Normal | September | Used in Summary Table Analysis | 300.3 | 282.3 | 17.9 | 6.0\% | 279.8 | 20.5 | 6.8\% | 274.6 | 25.6 | 8.5\% | 269.5 | 30.8 | 10.2\% | 264.4 | 35.9 | 12.0\% | 259.2 | 41.0 | 13.7\% |
| ME 4 | 365318 | 2019 | Below Normal | October | Used in Summary Table Analysis | 208.0 | 194.1 | 13.9 | 6.7\% | 192.1 | 15.8 | 7.6\% | 188.1 | 19.8 | 9.5\% | 184.1 | 23.9 | 11.5\% | 180.2 | 27.8 | 13.4\% | 176.2 | 31.7 | 15.3\% |
| ME4 4 | 365318 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,638.0 | 6,627.0 | 11.0 | 0.2\% | 6,625.3 | 12.6 | 0.2\% | 6,622.1 | 15.9 | 0.2\% | 6,619.0 | 19.0 | 0.3\% | 6,615.7 | 22.2 | 0.3\% | 6,612.5 | 25.5 | 0.4\% |
| ME 4 | 365318 | 2019 | Below Normal | December - |  | 14,691.0 | 14,681.7 | 9.3 | 0.1\% | 14,679.4 | 11.6 | 0.1\% | 14,677.1 | 13.9 | 0.1\% | 14,674.8 | 16.2 | 0.1\% | 14,671.3 | 19.7 | 0.1\% | 14,669.0 | 22.0 | 0.1\% |
| ME4 | 365318 <br> 36518 | 2019 | Below Normal | January | - | $35,272.0$ 141,992 | $35,262.7$ 14.9676 | ${ }_{11} 9$ | 0.0\% | ${ }^{35,261.6}$ | 10.4 | 0.0\% | $\begin{array}{r}35,259.3 \\ \hline\end{array}$ | ${ }_{12.7}$ | 0.0\% | 35,256.9 | 15.0 | 0.0\% | $35,254.6$ 1406 | 17.4 | 0.0\% | 35,251.2 | 20.8 | ${ }^{0.1 \%}$ |
| ME 4 <br> ME 4 | 365318 | 2019 | Below Normal | February |  | 141,979.2 | 141,967.6 | 11.6 | 0.0\% | 141,967.6 | 11.6 | 0.0\% | 141,967.6 | 11.6 | 0.0\% | 141,956.0 | ${ }^{23.1}$ | 0.0\% | 141,956.0 | ${ }^{23.1}$ | 0.0\% | 141,956.0 | 23.1 | 0.0\% |
| ME 4 | 365318 <br> 365318 | 2019 | Below Normal Below Normal | March | $\cdots$ | 42,349.5 15,280.1 | 42,342.6 15,273.1 | 6.9 6.9 | 0.0\% | $42,341.4$ 15,2720 | 8.1 8.1 | ${ }^{0.0 \%}$ | $42,339.1$ 15,2708 | 10.4 | 0.0\% | 42,336.8 15,265 | 12.7 | 0.0\% | 42,335.6 | 13.9 | 0.0\% | 42,333.3 15,263 | 16.2 16.2 1 | 0.0\% |
| ME ${ }_{\text {M }}$ | 365318 <br> 365318 | 2019 2019 | Below Normal Below Normal | April | $\cdots$ | $15,280.1$ $16,980.3$ | $15,273.1$ $16,964.1$ | 6.9 16.2 | 0.0\% | $15,272.0$ $16,963.0$ | 8.1 17.4 | 0.1\% | $15,270.8$ $16,958.3$ | 9.3 22.0 | 0.1\% | $15,268.5$ $16,953.7$ | 11.6 26.6 | 0.1\% | $15,266.2$ $16,949.1$ | 13.9 31.3 | 0.2\% | 15,26394 | 16.2 35.9 | 0.1\% |
| ME 4 | 365318 | 2019 | Below Normal | June | - | 4,242.6 | 4,222.1 | 20.5 | 0.5\% | 4,219.2 | 23.4 | 0.6\% | 4,213.5 | 29.1 | 0.7\% | 4,208.0 | 34.6 | 0.8\% | 4,202.5 | 40.0 | 0.9\% | 4,197.1 | 45.5 | 1.1\% |
| ME 4 | 365318 | 2019 | Below Normal | July | - | 1,361.7 | 1,341.3 | 20.4 | 1.5\% | 1,338.4 | 23.3 | 1.7\% | 1,332.6 | 29.1 | 2.1\% | 1,326.9 | 34.8 | 2.6\% | 1,322.1 | 40.6 | 3.0\% | 1,315.3 | 46.4 | 3.4\% |
| me 4 | 365318 | 2019 | Below Normal | August | - | 596.9 | 577.5 | 19.3 | 3.2\% | 574.8 | 22.1 | 3.7\% | 569.3 | 27.6 | 4.6\% | 563.8 | 33.0 | 5.5\% | 558.3 | 38.5 | 6.5\% | 552.8 | 44.0 | 7.4\% |
| ME4 | 365318 | 2019 | Below Normal | September | Used in Summary Table Analysis | 462.9 | 445.1 | 17.9 | 3.9\% | 442.5 | 20.4 | 4.4\% | 437.4 | 25.6 | 5.5\% | 432.3 | 30.6 | 6.6\% | 427.2 | 35.8 | 7.7\% | 422.0 | 40.9 | 8.8\% |
| ME 4 | 365318 | 2020 | Dry | October | Used in Summary Table Analysis | 355.9 | 342.6 | 13.3 | 3.7\% | 340.6 | 15.3 | 4.3\% | 336.8 | 19.1 | 5.4\% | 332.9 | 23.0 | 6.4\% | 329.1 | 26.8 | 7.5\% | 325.2 | 30.7 | 8.6\% |
| ME 4 | 365318 | 2020 | Dry | November | Used in Summary Table Analysis | 320.3 | 309.9 | 10.4 | 3.3\% | 308.4 | 11.9 | 3.7\% | 305.3 | 15.0 | 4.7\% | 302.3 | 18.0 | 5.6\% | 299.3 | 21.0 | 6.6\% | 296.2 | 24.1 | 7.5\% |
| ME4 | 365318 | 2020 | Dry | December - |  | 13,321.8 | 13,312.5 | 9.3 | 0.1\% | 13,311.3 | 10.4 | 0.1\% | 13,307.9 | 13.9 | 0.1\% | 13,305.6 | 16.2 | 0.1\% | 13,303.2 | 18.5 | 0.1\% | 13,299.8 | 22.0 | 0.2\% |
| me4 | 365318 | 2020 | Dry | January | - | 22,358.8 | 22,399.5 | 9.3 | 0.0\% | 22,348.4 | 10.4 | 0.0\% | 22,346.1 | 12.7 | 0.1\% | 22,343.8 | 15.0 | 0.1\% | 22,341.4 | 17.4 | 0.1\% | 22,338.0 | 20.8 | 0.1\% |
| ME 4 | 365318 | 2020 | Dry | February | - | 7,415.4 | 7,407.6 | 7.8 | 0.1\% | 7,406.5 | 8.9 | 0.1\% | 7,404.2 | 11.2 | 0.2\% | 7,401.9 | 13.5 | 0.2\% | 7,399.5 | 15.9 | 0.2\% | 7,397.3 | 18.1 | 0.2\% |
| ME4 | 365318 | 2020 | Dry | March | - | 7,248.6 | 7,241.2 | 7.4 | 0.1\% | 7,240.2 | 8.4 | 0.1\% | 7,238.1 | 10.5 | 0.1\% | 7,235.9 | 12.7 | 0.2\% | 7,233.7 | 14.9 | 0.2\% | 7,231.5 | 17.1 | 0.2\% |
| ME4 | 365318 | 2020 | Dry | April | - | 5,487.8 | 5,472.6 | 15.3 | 0.3\% | 5,470.3 | 17.6 | 0.3\% | 5,465.9 | 22.0 | 0.4\% | 5,461.5 | 26.4 | 0.5\% | 5,456.9 | 30.9 | 0.6\% | 5,452.5 | 35.3 | 0.6\% |
| ME4 | 365318 | 2020 | Dry | May | - | 7,383,3 | 7,364.9 | 18.4 | 0.2\% | 7,362.3 | 21.1 | 0.3\% | 7,356.9 | 26.4 | 0.4\% | 7,351.6 | 31.7 | 0.4\% | 7,346.3 | 37.0 | 0.5\% | 7,341.0 | 42.4 | 0.6\% |
| ME4 | 365318 | 2020 | Dry | June | - | 2,104.2 | 2,079.9 | 24.3 | 1.2\% | 2,076.5 | 27.7 | 1.3\% | 2,070.0 | 34.1 | 1.6\% | 2,063.4 | 40.7 | 1.9\% | 2,056.8 | 47.3 | 2.2\% | 2,050.3 | 53.8 | 2.6\% |
| ME4 | 365318 | 2020 | Dry | July | - | 796.5 | 772.9 | ${ }^{23.6}$ | 3.0\% | 769.5 | 27.0 | 3.4\% | 762.8 | 33.7 | 4.2\% | 756.0 | 40.4 | 5.1\% | 749.3 | 47.2 | 5.9\% | 742.6 | 53.9 | 6.8\% |
| ME4 | 365318 | 2020 | Dry | August | -- | 399.2 | 376.1 | ${ }^{23.2}$ | 5.8\% | 372.7 | 26.5 | 6.6\% | ${ }^{366.1}$ | ${ }^{33.1}$ | 8.3\% | 359.5 | 39.7 | 9.9\% | 352.9 | 46.3 | 11.6\% | ${ }^{346.3}$ | 52.9 | 13.3\% |
| ME4 | 365318 355319 | 2020 | Dry | September | Used in Summary Table Analysis | 248.6 887 | 228.0 | 20.6 14.6 | 8.3\% | 225.1 | ${ }^{23.6}$ | 9.5\% | 218.3 | ${ }^{30.3}$ | 12.2\% | 212.2 | 36.5 | 14.7\% | 205.8 | 42.9 | 17.2\% | 199.5 | 49.2 32.5 | 19.8\% |
| ME 4 ME 4 | 355319 | 2000 | Above Normal | October | Used in Summary Table Analysis | 817.3 | 803.1 | 14.2 | 1.7\% | 801.0 | 16.2 | 2.0\% | 797.0 | 20.2 | 2.5\% | 792.9 | 24.3 | 3.0\% | 788.8 | 28.4 | 3.5\% | 784.7 | 32.5 | 4.0\% |
| ME 4 ME 4 | 355319 355319 | 2000 2000 | Above Normal Above Normal | November | Used in Summary Table Analysis | $12,153.9$ $10,829.3$ | $12,142.4$ 10.819 .7 | 11.6 9.6 | 0.1\% | $12,140.0$ 10.818 .3 | 13.9 11.0 | 0.1\% | 12,137.7 108515.4 20,62. | 16.2 13.9 12. | 0.1\% | $12,134.3$ <br> $10,812.6$ <br> 2,026 | 19.7 16.7 | 0.2\% | $12,130.8$ 108097 | 23.1 19.6 17 | 0.2\% | $12,127.3$ $10,806.9$ | 26.6 <br> 22.3 <br> 2. | 0.2\% |
| ME4 | 355319 | 2000 | Above Normal | January - |  | 28,635.4 | 28,626.2 | 9.3 | 0.0\% | 28,625.0 | 10.4 | 0.0\% | ${ }_{28,622.7}$ | 12.7 | 0.0\% | 28,620.4 | 15.0 | 0.1\% | 28,618,1 | 17.4 | 0.1\% | 28,614.6 | 20.8 | 0.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \& \& \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Water Year Water Year Type}} \& \multirow[b]{2}{*}{Month} \& \& \multirow[b]{2}{*}{Flow
Without Pumping (cfs)} \& \multicolumn{3}{|c|}{75\% Pumping Increase} \& \multicolumn{3}{|c|}{Pumpi} \& \multicolumn{3}{|c|}{150\% Pumping Increase} \& \multicolumn{3}{|c|}{200\% Pumping Increase} \& \multicolumn{3}{|c|}{250\% Pumping Increase} \& \multicolumn{3}{|c|}{300\% Pumping Increase} \\
\hline Surface Water Depletion Area Area of Interest \& \begin{tabular}{l}
(Row, Column, \\
Surface Water \\
Reach)
\end{tabular} \& \& \& \& Note \& \& Flow (ffs) \& Flow
Difference (cfs) \& Percent Difference \& Flow (cts) \& Flow
Difference (cfs) \& Percent
Difference \& Flow (cts) \& Flow
Difference (cfs) \& Percent
Difference \& Flow (ffs) \& Flow
Difference (cfs) \& Percent
Difference \& Flow (ffs) \& Flow
Difference (cfs) \& Percent
Difference \& Flow (ffs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) } \\
\hline
\end{gathered}
\] \& Percent
Difference \\
\hline me 4 \& 355319 \& 2000 \& Above Normal \& February \& -- \& 37,079.9 \& 37,071.8 \& 8.1 \& 0.0\% \& 37,070.6 \& 9.3 \& 0.0\% \& 37,068.3 \& 11.6 \& 0.0\% \& 37,066.0 \& 13.9 \& 0.0\% \& 37,063.7 \& 16.2 \& 0.0\% \& 37,061.3 \& 18.5 \& 0.0\% \\
\hline ME 4 \& 355319 \& 2000 \& Above Normal \& March \& - \& 18,328.7 \& 18,320.6 \& 8.1 \& 0.0\% \& 18,319.4 \& 9.3 \& 0.1\% \& 18,318.3 \& 10.4 \& 0.1\% \& 18,316.0 \& 12.7 \& 0.1\% \& 18,313,7 \& 15.0 \& 0.1\% \& 18,311.3 \& 17.4 \& 0.1\% \\
\hline ME 4 \& 355319 \& 2000 \& Above Normal \& April \& - \& 12,322.9 \& 12,316.0 \& \({ }^{6.9}\) \& 0.1\% \& 12,314.8 \& 8.1 \& 0.1\% \& 12,313.7 \& 9.3 \& 0.1\% \& 12,311.3 \& 11.6 \& 0.1\% \& 12,309.0 \& 13.9 \& 0.1\% \& 12,306.7 \& 16.2 \& 0.1\% \\
\hline me 4 \& 355319 \& 2000 \& Above Normal \& May \& - \& 7,102.0 \& 7,086.8 \& 15.2 \& 0.2\% \& 7,084.6 \& 17.4 \& 0.2\% \& 7,080.2 \& 21.8 \& 0.3\% \& 7,075.9 \& 26.0 \& 0.4\% \& 7,071.5 \& 30.4 \& 0.4\% \& 7,067.1 \& 34.8 \& 0.5\% \\
\hline ME4 \& 355319 \& 2000 \& Above Normal \& June \& - \& 2,613.8 \& 2,591.2 \& 22.6 \& 0.9\% \& 2,588.0 \& 25.8 \& 1.0\% \& 2,581.5 \& 32.3 \& 1.2\% \& 2,575.1 \& 38.7 \& 1.5\% \& 2,568.8 \& 45.0 \& 1.7\% \& 2,562.3 \& 51.5 \& 2.0\% \\
\hline ME4 \& 355319 \& 2000 \& Above Normal \& July \& - \& 992.4 \& 971.9 \& 20.4 \& 2.1\% \& 969.0 \& 23.4 \& 2.4\% \& 963.2 \& 29.2 \& 2.9\% \& 957.4 \& 35.0 \& 3.5\% \& 951.7 \& 40.7 \& 4.1\% \& 945.9 \& 46.5 \& 4.7\% \\
\hline me 4 \& 355319 \& 2000 \& Above Normal \& August \& -- \& 522.5 \& 503.3 \& 19.2 \& 3.7\% \& 500.5 \& 21.9 \& 4.2\% \& 495.1 \& 27.4 \& 5.2\% \& 489.6 \& 32.8 \& 6.3\% \& 484.2 \& 38.3 \& 7.3\% \& 478.7 \& 43.7 \& 8.4\% \\
\hline ME4 4 \& 355319 \& 2000 \& Above Normal \& September \& Used in Summary Table Analysis \& 295.6 \& 278.6 \& 17.0 \& 5.7\% \& 276.2 \& 19.4 \& 6.6\% \& 271.3 \& 24.3 \& 8.2\% \& 266.5 \& 29.1 \& 9.8\% \& 261.7 \& 33.9 \& 11.5\% \& 256.8 \& 38.8 \& 13.1\% \\
\hline ME4 \& 355319 \& 2001 \& Dry \& October \& Used in Summary Table Analysis \& 3,822.6 \& 3,888.6 \& 14.0 \& 0.4\% \& 3,806.6 \& 16.0 \& 0.4\% \& 3,802.5 \& 20.0 \& 0.5\% \& 3,798.6 \& 24.0 \& 0.6\% \& 3,794.6 \& 28.0 \& 0.7\% \& 3,790.5 \& 32.1 \& 0.8\% \\
\hline ME4 \& 355319 \& 2001 \& Dry \& November \& Used in Summary Table Analysis \& 6,136.9 \& 6,125.7 \& 11.2 \& 0.2\% \& 6,124.1 \& 12.8 \& 0.2\% \& 6,120.8 \& 16.1 \& 0.3\% \& 6,117.6 \& 19.3 \& 0.3\% \& 6,114.4 \& 22.6 \& 0.4\% \& 6,11.0 \& 25.9 \& 0.4\% \\
\hline ME4 \& 355319 \& 2001 \& Dry \& December \& \& 8,851.4 \& 8,841.7 \& 9.7 \& 0.1\% \& 8,840.3 \& 11.1 \& 0.1\% \& 8,837.4 \& 14.0 \& 0.2\% \& 8,834.6 \& 16.8 \& 0.2\% \& 8,831.8 \& 19.6 \& 0.2\% \& 8,828.9 \& 22.5 \& 0.3\% \\
\hline ME4 \& 355319 \& 2001 \& Dry \& January \& -- \& 12,816.0 \& 12,807.9 \& 8.1 \& 0.1\% \& 12,806.7 \& 9.3 \& 0.1\% \& 12,804.4 \& 11.6 \& 0.1\% \& 12,800.9 \& 15.0 \& 0.1\% \& 12,798.6 \& 17.4 \& 0.1\% \& 12,796.3 \& 19.7 \& 0.2\% \\
\hline ME4 \& 355319 \& 2001 \& Dry \& February \& -- \& 17,487.3 \& 17,479.2 \& 8.1 \& 0.0\% \& 17,478.0 \& 9.3 \& 0.1\% \& 17,475.7 \& 11.6 \& 0.1\% \& 17,473.4 \& 13.9 \& 0.1\% \& 17,471.1 \& 16.2 \& 0.1\% \& 17,468.8 \& 18.5 \& 0.1\% \\
\hline ME4 \& 355319 \& 2001 \& Dry \& March \& - \& 12,304.4 \& 12,297.5 \& 6.9 \& 0.1\% \& 12,296.3 \& 8.1 \& 0.1\% \& 12,294.0 \& 10.4 \& 0.1\% \& 12,291.7 \& 12.7 \& 0.1\% \& 12,289.4 \& 15.0 \& 0.1\% \& 12,287.0 \& 17.4 \& 0.1\% \\
\hline ME4 \& 355319 \& 2001 \& Dry \& April \& - \& 10,980.1 \& 10,964.5 \& 15.6 \& 0.1\% \& 10,962.3 \& 17.8 \& 0.2\% \& 10,957.8 \& 22.3 \& 0.2\% \& 10,953.2 \& 26.9 \& 0.2\% \& 10,948.7 \& 31.4 \& 0.3\% \& 10,944.3 \& 35.8 \& 0.3\% \\
\hline ME4 \& 355319 \& 2001 \& Dry \& May \& - \& 2,636.6 \& 2,618.2 \& 18.4 \& 0.7\% \& 2,615.5 \& 21.1 \& 0.8\% \& 2,610.2 \& 26.4 \& 1.0\% \& 2,604,9 \& 31.7 \& 1.2\% \& 2,599.7 \& 36.9 \& 1.4\% \& 2,594.3 \& 42.2 \& 1.6\% \\
\hline ME4 \& 355319 \& 2001 \& Dry \& June \& - \& 2,653.0 \& 2,627.9 \& 25.1 \& 0.9\% \& 2,624.3 \& 28.7 \& 1.1\% \& 2,617.1 \& 35.9 \& 1.4\% \& 2,610.1 \& 42.9 \& 1.6\% \& 2,603.0 \& 50.0 \& 1.9\% \& 2,595.9 \& 57.1 \& 2.2\% \\
\hline ME4 \& 355319 \& 2001 \& Dry \& July \& - \& 718.3 \& 694.8 \& 23.5 \& 3.3\% \& 691.5 \& 26.9 \& 3.7\% \& 684.8 \& 33.5 \& 4.7\% \& 678.1 \& 40.2 \& 5.6\% \& 671.5 \& 4.8 \& 6.5\% \& 664.8 \& 53.5 \& 7.4\% \\
\hline ME4 \& 355319 \& 2001 \& Dry \& August \& -- \& 172.7 \& 149.8 \& 22.9 \& 13.3\% \& 146.5 \& 26.2 \& 15.2\% \& 140.0 \& 32.7 \& 18.9\% \& 133.5 \& 39.2 \& 22.7\% \& 127.0 \& 45.7 \& 26.5\% \& 120.5 \& 52.2 \& 30.2\% \\
\hline ME4 \& 355319 \& 2001 \& Dry \& September \& Used in Summary Table Analysis \& 95.6 \& 75.2 \& 20.4 \& 21.4\% \& 72.2 \& 23.3 \& 24.4\% \& 66.4 \& 29.1 \& 30.5\% \& 60.6 \& 34.9 \& 36.6\% \& 54.8 \& 40.8 \& 42.6\% \& 49.0 \& 46.6 \& 48.7\% \\
\hline ME4 \& 355319 \& 2002 \& Below Normal \& October \& Used in Summary Table Analysis \& 265.3 \& 248.3 \& 17.1 \& 6.4\% \& 245.9 \& 19.5 \& 7.3\% \& 241.0 \& 24.4 \& 9.2\% \& 236.1 \& 29.3 \& 11.0\% \& 231.2 \& 34.1 \& 12.9\% \& 226.3 \& 39.1 \& 14.7\% \\
\hline ME4 \& 355319 \& 2002 \& Below Normal \& November \& Used in Summary Table Analysis \& 12,042.8 \& 12,028.9 \& 13.9 \& 0.1\% \& 12,027.8 \& 15.0 \& 0.1\% \& 12,023.1 \& 19.7 \& 0.2\% \& 12,019.7 \& 23.1 \& 0.2\% \& 12,016.2 \& 26.6 \& 0.2\% \& 12,011.6 \& 31.3 \& 0.3\% \\
\hline ME4 \& 355319 \& 2002 \& Below Normal \& December \& -- \& 35,736.1 \& 35,724.5 \& 11.6 \& 0.0\% \& 35,722.2 \& 13.9 \& 0.0\% \& 35,718.8 \& 17.4 \& 0.0\% \& 35,715.3 \& 20.8 \& 0.1\% \& 35,711.8 \& 24.3 \& 0.1\% \& 35,708.3 \& 27.8 \& 0.1\% \\
\hline ME4 \& 355319 \& 2002 \& Below Normal \& January \& -- \& 30,910.9 \& 30,900.5 \& 10.4 \& 0.0\% \& 30,899.3 \& 11.6 \& 0.0\% \& 30,895.8 \& 15.0 \& 0.0\% \& 30,893.5 \& 17.4 \& 0.1\% \& 30,890.0 \& 20.8 \& 0.1\% \& 30,886.6 \& 24.3 \& 0.1\% \\
\hline ME4 \& 355319 \& 2002 \& Below Normal \& February \& -- \& 24,696.8 \& 24,687.5 \& 9.3 \& 0.0\% \& 24,686.3 \& 10.4 \& 0.0\% \& 24,684.0 \& 12.7 \& 0.1\% \& 24,880.6 \& 16.2 \& 0.1\% \& 24,678,2 \& 18.5 \& 0.1\% \& 24,674.8 \& 22.0 \& 0.1\% \\
\hline ME4 \& 355319 \& 2002 \& Below Normal \& March \& - \& 17,794.0 \& 17,785.9 \& 8.1 \& 0.0\% \& 17,784.7 \& 9.3 \& 0.1\% \& 17,781.3 \& 12.7 \& 0.1\% \& 17,778.9 \& 15.0 \& 0.1\% \& 17,776.6 \& 17.4 \& 0.1\% \& 17,774.3 \& 19.7 \& 0.1\% \\
\hline ME4 \& 355319 \& 2002 \& Below Normal \& April \& - \& 9,930.3 \& 9,914.7 \& 15.6 \& 0.2\% \& 9,912.4 \& 17.9 \& 0.2\% \& 9,907.9 \& 22.5 \& 0.2\% \& 9,903.5 \& 26.9 \& 0.3\% \& 9,899.0 \& 31.4 \& 0.3\% \& 9,894.4 \& 35.9 \& 0.4\% \\
\hline ME4 \& 355319 \& 2002 \& Below Normal \& May \& - \& 3,320.8 \& 3,302.4 \& 18.4 \& 0.6\% \& 3,299.8 \& 21.1 \& 0.6\% \& 3,294.4 \& 26.4 \& 0.8\% \& 3,289.1 \& 31.7 \& 1.0\% \& 3,283,8 \& 37.0 \& 1.1\% \& 3,278.5 \& 42.4 \& 1.3\% \\
\hline ME4 \& 355319 \& 2002 \& Below Normal \& June \& - \& 854.2 \& 833.3 \& 20.9 \& 2.4\% \& 830.3 \& 23.9 \& 2.8\% \& 824.4 \& 29.8 \& 3.5\% \& 818.4 \& 35.7 \& 4.2\% \& 812.5 \& 41.7 \& 4.9\% \& 806.6 \& 47.6 \& 5.6\% \\
\hline ME4 \& 355319 \& 2002 \& Below Normal \& July \& - \& 362.7 \& 341.5 \& 21.1 \& 5.8\% \& 338.5 \& 24.1 \& 6.7\% \& 332.5 \& 30.2 \& 8.3\% \& 326.5 \& 36.2 \& 10.0\% \& 320.5 \& 42.2 \& 11.6\% \& 314.4 \& 48.2 \& 13.3\% \\
\hline ME4 \& 355319 \& 2002 \& Below Normal \& August \& - \& 227.5 \& 207.6 \& 19.8 \& 8.7\% \& 204.8 \& 22.7 \& 10.0\% \& 199.1 \& 28.4 \& 12.5\% \& 193.5 \& 34.0 \& 15.0\% \& 187.8 \& 39.7 \& 17.4\% \& 182.2 \& 45.3 \& 19.9\% \\
\hline ME4 \& 355319 \& 2002 \& Below Normal \& September \& Used in Summary Table Analysis \& 164.2 \& 145.5 \& 18.7 \& 11.4\% \& 142.8 \& 21.4 \& 13.0\% \& 137.4 \& 26.7 \& 16.3\% \& 132.1 \& 32.1 \& 19.5\% \& 126.7 \& 37.4 \& 22.8\% \& 121.4 \& 42.8 \& 26.1\% \\
\hline ME4 \& 355319 \& 2003 \& Wet \& October \& Used in Summary Table Analysis \& 129.1 \& 113.8 \& 15.3 \& 11.8\% \& 111.6 \& 17.5 \& 13.5\% \& 107.3 \& 21.9 \& 16.9\% \& 102.9 \& 26.3 \& 20.3\% \& 98.4 \& 30.7 \& 23.8\% \& 94.0 \& 35.1 \& 27.2\% \\
\hline ME4 \& 355319 \& 2003 \& Wet \& November \& Used in Summary Table Analysis \& 896.8 \& 884.6 \& 12.2 \& 1.4\% \& 882.8 \& 14.0 \& 1.6\% \& 879.3 \& 17.5 \& 2.0\% \& 875.7 \& 21.1 \& 2.4\% \& 872.2 \& 24.6 \& 2.7\% \& 868.7 \& 28.1 \& 3.1\% \\
\hline ME4 \& 355319 \& 2003 \& Wet \& December \& \& 56,945.6 \& 56,934.0 \& 11.6 \& 0.0\% \& 56,932.9 \& 12.7 \& 0.0\% \& 56,929.4 \& 16.2 \& 0.0\% \& 56,927.1 \& 18.5 \& 0.0\% \& 56,923.6 \& 22.0 \& 0.0\% \& 56,920.1 \& 25.5 \& 0.0\% \\
\hline ME4 \& 355319 \& 2003 \& Wet \& January \& - \& 31,555.6 \& 31,546.3 \& 9.3 \& 0.0\% \& 31,545.1 \& 10.4 \& 0.0\% \& \(31,541.7\) \& 13.9 \& 0.0\% \& 31,539.4 \& 16.2 \& 0.1\% \& 31,535.9 \& 19.7 \& 0.1\% \& 31,533.6 \& 22.0 \& 0.1\% \\
\hline ME4 \& 355319 \& 2003 \& Wet \& February \& -- \& 20,366.9 \& 20,357.6 \& 9.3 \& 0.0\% \& 20,36.5 \& 10.4 \& 0.1\% \& 20,354.2 \& 12.7 \& 0.1\% \& 20,351.9 \& 15.0 \& 0.1\% \& 20,349.5 \& 17.4 \& 0.1\% \& 20,346.1 \& 20.8 \& 0.1\% \\
\hline ME4 4 \& 355319 \& 2003 \& Wet \& March \& - \& 24,054.4 \& 24,046.3 \& 8.1 \& 0.0\% \& 24,045.1 \& 9.3 \& 0.0\% \& 24,042.8 \& 11.6 \& 0.0\% \& 24,040.5 \& 13.9 \& 0.1\% \& 24,037.0 \& 17.4 \& 0.1\% \& 24,034.7 \& 19.7 \& 0.1\% \\
\hline ME4 \& 355319 \& 2003 \& Wet \& April \& - \& 42,965.3 \& 42,957.2 \& 8.1 \& 0.0\% \& 42,956.0 \& 9.3 \& 0.0\% \& 42,953.7 \& 11.6 \& 0.0\% \& 42,951.4 \& 13.9 \& 0.0\% \& 42,949.1 \& 16.2 \& 0.0\% \& 42,946.8 \& 18.5 \& 0.0\% \\
\hline ME4 \& 355319 \& 2003 \& Wet \& May \& - \& 12,230, 3 \& 12,215.3 \& 15.0 \& 0.1\% \& 12,213.0 \& 17.4 \& 0.1\% \& 12,208.3 \& 22.0 \& 0.2\% \& 12,203,7 \& 26.6 \& 0.2\% \& 12,199,1 \& 31.3 \& 0.3\% \& 12,194.4 \& 35.9 \& 0.3\% \\
\hline ME4 \& 355319 \& 2003 \& Wet \& June \& - \& 3,167.6 \& 3,147.5 \& 20.1 \& 0.6\% \& 3,144.6 \& 23.0 \& 0.7\% \& 3,139.0 \& 28.6 \& 0.9\% \& 3,133.3 \& 34.3 \& 1.1\% \& 3,127.8 \& 39.8 \& 1.3\% \& 3,122.1 \& 45.5 \& 1.4\% \\
\hline ME4 \& 355319 \& 2003 \& Wet \& July \& - \& 1,475.1 \& 1,454.2 \& 20.9 \& 1.4\% \& 1,451.2 \& 24.0 \& 1.6\% \& 1,445.3 \& 29.9 \& 2.0\% \& 1,439.2 \& 35.9 \& 2.4\% \& 1,433.3 \& 41.8 \& 2.8\% \& 1,427.3 \& 47.8 \& 3.2\% \\
\hline ME4 4 \& 355319 \& 2003 \& Wet \& August \& - \& 760.9 \& 740.6 \& 20.3 \& 2.7\% \& 737.7 \& \({ }^{23.2}\) \& 3.1\% \& 731.9 \& 29.0 \& 3.8\% \& 726.1 \& 34.8 \& 4.6\% \& 720.3 \& 40.6 \& 5.3\% \& 714.4 \& 4.5 \& 6.1\% \\
\hline ME4 \& 355319 \& 2003 \& Wet \& September \& Used in Summary Table Analysis \& 458.5 \& 441.2 \& 17.3 \& 3.8\% \& 438.8 \& 19.8 \& 4.3\% \& 433.8 \& 24.7 \& 5.4\% \& 428.9 \& 29.7 \& 6.5\% \& 424.0 \& 34.6 \& 7.5\% \& 419.0 \& 39.5 \& 8.6\% \\
\hline ME4 \& 355319 \& 2004 \& Wet \& October \& Used in Summary Table Analysis \& 325.4 \& 311.1 \& 14.2 \& 4.4\% \& 309.1 \& 16.3 \& 5.0\% \& 305.0 \& 20.4 \& 6.3\% \& 300.9 \& 24.5 \& 7.5\% \& 296.8 \& 28.6 \& 8.8\% \& 292.7 \& 32.7 \& 10.1\% \\
\hline ME4 \& 355319 \& 2004 \& Wet \& November \& Used in Summary Table Analysis \& 5,817.7 \& 5,806.3 \& 11.5 \& 0.2\% \& 5,804.6 \& 13.1 \& 0.2\% \& 5,801.3 \& 16.4 \& 0.3\% \& 5,797.9 \& 19.8 \& 0.3\% \& 5,794.6 \& 23.1 \& 0.4\% \& 5,791.2 \& 26.5 \& 0.5\% \\
\hline ME4 \& 355319 \& 2004 \& Wet \& December \& -- \& 36,380.8 \& 36,370.4 \& 10.4 \& 0.0\% \& 36,369.2 \& 11.6 \& 0.0\% \& 36,366.9 \& 13.9 \& 0.0\% \& 36,363.4 \& 17.4 \& 0.0\% \& 36,361.1 \& 19.7 \& 0.1\% \& 36,357.6 \& 23.1 \& 0.1\% \\
\hline ME4 4 \& 355319 \& 2004 \& Wet \& January \& - \& 31,522.0 \& 31,512.7 \& 9.3 \& 0.0\% \& \({ }^{31,511.6}\) \& 10.4 \& 0.0\% \& 31,509.3 \& 12.7 \& 0.0\% \& 31,506.9 \& 15.0 \& 0.0\% \& 31,504.6 \& 17.4 \& 0.1\% \& 31,501.2 \& 20.8 \& 0.1\% \\
\hline ME4 \& 355319 \& 2004 \& Wet \& February \& \& 38,282.4 \& 38,274.3 \& 8.1 \& 0.0\% \& 38,273.1 \& 9.3 \& 0.0\% \& 38,270.8 \& 11.6 \& 0.0\% \& 38,268.5 \& 13.9 \& 0.0\% \& 38,265.0 \& 17.4 \& 0.0\% \& 38,262.7 \& 19.7 \& 0.1\% \\
\hline ME4 \& 355319
355319 \& 2004
2004 \& Wet \& March \& \(\cdots\) \& 16,531.3 \& 16,524.3 \& 6.9
73 \& 0.0\% \& \({ }_{\substack{16,523.1 \\ 9 \\ 9473}}\) \& 8.1
83 \& 0.0\% \& 16,520.8 \& 10.4 \& \({ }^{0.1 \%}\) \& 16,518.5 \& 12.7 \& 0.1\% \& 16,516.2 \& 15.0
14.7 \& 0.1\% \& \(16,513.9\)

9 \& 17.4 \& 0.1\% <br>
\hline  \& 355319 \& 2004 \& Wet \& April \& - \& 9,455.7 \& 9,448.4 \& 7.3 \& 0.1\% \& 9,447.3 \& 8.3 \& 0.1\% \& 9,445.3 \& 10.4 \& 0.1\% \& 9,443.2 \& 12.5 \& 0.1\% \& $9,441.0$ \& 14.7 \& 0.2\% \& 9,438.8 \& 16.9 \& ${ }^{0.2 \%}$ <br>
\hline ME 4 \& 355319 \& 2004 \& Wet \& June \& - \& 3,42.1
692.1 \& 673.0 \& 19.2 \& 2.8\% \& 3,470.6
670.2 \& 21.9 \& 3.2\% \& ${ }^{3,464.8}$ \& 27.4 \& 4.0\% \& ${ }_{659.3}$ \& 32.8 \& 4.7\% \& ${ }_{653.9}$ \& 38.3 \& 5.5\% \& ${ }_{648.4}$ \& 43.7 \& 6.3\% <br>
\hline ME4 \& 355319 \& 2004 \& Wet \& July \& - \& 356.7 \& 336.1 \& 20.5 \& 5.8\% \& 333.2 \& 23.5 \& 6.6\% \& 327.3 \& 29.3 \& 8.2\% \& 321.5 \& 35.2 \& 9.9\% \& 315.6 \& 41.0 \& 11.5\% \& 309.8 \& 46.9 \& 13.1\% <br>
\hline ME4 \& 355319 \& 2004 \& Wet \& August \& -- \& 225.6 \& 206.2 \& 19.4 \& 8.6\% \& 203.4 \& 22.1 \& 9.8\% \& 197.9 \& 27.6 \& 12.3\% \& 192.4 \& 33.2 \& 14.7\% \& 186.9 \& 38.7 \& 17.1\% \& 181.4 \& 44.2 \& 19.6\% <br>
\hline ME4 \& 355319 \& 2004 \& Wet \& September \& Used in Summary Table Analysis \& 162.5 \& 144.1 \& 18.3 \& 11.3\% \& 141.5 \& 21.0 \& 12.9\% \& 136.2 \& 26.2 \& 16.1\% \& 131.0 \& 31.5 \& 19.4\% \& 125.7 \& 36.7 \& 22.6\% \& 120.5 \& 42.0 \& 25.9\% <br>
\hline me4 \& 355319 \& 2005 \& Above Normal \& October \& Used in Summary Table Analysis \& 7,702.0 \& 7,687.5 \& 14.5 \& 0.2\% \& 7,685.4 \& 16.6 \& 0.2\% \& 7,681.3 \& 20.7 \& 0.3\% \& 7,677.1 \& 24.9 \& 0.3\% \& 7,672.9 \& 29.1 \& 0.4\% \& 7,668.6 \& 33.3 \& 0.4\% <br>
\hline ME4 \& 355319 \& 2005 \& Above Normal \& November \& Used in Summary Table Analysis \& 2,258.8 \& 2,247.5 \& 11.3 \& 0.5\% \& 2,245.8 \& 13.0 \& 0.6\% \& 2,242.5 \& 16.3 \& 0.7\% \& 2,239.2 \& 19.6 \& 0.9\% \& 2,236.0 \& 22.8 \& 1.0\% \& 2,232.6
21363 \& 26.2 \& 1.2\% <br>
\hline ME 4 \& 355319 \& 2005 \& Above Normal \& December \& - \& 21,086.8 \& 21,076.4 \& 10.4 \& 0.0\% \& 21,075.2 \& 11.6 \& 0.1\% \& 21,071.8 \& 15.0 \& 0.1\% \& 21,069.4 \& 17.4 \& 0.1\% \& 21,066.0 \& ${ }^{20.8}$ \& 0.1\% \& 21,063.7 \& ${ }^{23.1}$ \& 0.1\% <br>
\hline ME4 \& 355319
355319 \& 2005 \& Above Normal \& January \& -- \& $22,431.7$
$\begin{aligned} & 14,0185\end{aligned}$ \& $22,422.5$
14011 \& ${ }^{9.3}$ \& 0.0\% \& $22,421.3$
114010. \& 10.4 \& 0.0\% \& $22,419.0$
140060 \& 12.7 \& 0.1\% \& $22,416.7$
14 \& 15.0 \& 0.1\% \& $22,414.4$
14,035 \& 17.4 \& 0.1\% \& $22,410.9$
14,000 \& 20.8
185 \& 0.1\% <br>

\hline | ME |
| :---: |
| ME 4 | \& 355319 \& 2005

2005 \& Above Normal \& February \& \& 14,018.5 \& 14,011.6 \& 6.9 \& 0.0\% \& 14,010.4 \& 8.1 \& 0.1\% \& 14,006.9 \& 11.6 \& 0.1\% \& 14,004.6 \& 13.9 \& 0.1\% \& 14,003.5 \& 15.0 \& 0.1\% \& 14,000.0 \& 18.5 \& ${ }^{0.1 \%}$ <br>
\hline ME4 4 \& 355319 \& 2005 \& Above Normal \& April \& - \& 21,468.8 \& 21,460.6 \& 8.1 \& 0.0\% \& 21,460.6 \& 8.1 \& 0.0\% \& 21,458.3 \& 10.4 \& 0.0\% \& 21,456.0 \& 12.7 \& 0.1\% \& 21,453.7 \& 15.0 \& 0.1\% \& 21,451.4 \& 17.4 \& 0.1\% <br>
\hline ME4 \& 355319 \& 2005 \& Above Normal \& May \& -- \& 19,598.4 \& 19,582.2 \& 16.2 \& 0.1\% \& 19,579.9 \& 18.5 \& 0.1\% \& 19,575.2 \& 23.1 \& 0.1\% \& 19,570.6 \& 27.8 \& 0.1\% \& 19,566.0 \& 32.4 \& 0.2\% \& ${ }^{19,562.5}$ \& 35.9 \& 0.2\% <br>
\hline
\end{tabular}

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Location of of interest
Eel River Valley Groundwater sustainability Plan

|  |  | Water Year Water Year Type |  |  |  | FlowWithoutPumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Incre |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water <br> Reach) |  |  | Month | Note |  | Flow (cfs) | $\underset{\substack{\text { Fifow } \\ \text { Diference } \\ \text { (cfs) }}}{\text { cen }}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiffew } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) |  | Percent Difference | Flow (cfs) | $\underset{\substack{\text { Flow } \\ \text { Difference } \\ \text { (cfs) }}}{\text { cosen }}$ | Percent Difference |
| ME4 | 355319 | 2005 | Above Normal | June | -- | 15,905.1 | 15,881.9 | 23.1 | 0.1\% | 15,878.5 | 26.6 | 0.2\% | 15,871.5 | 33.6 | 0.2\% | 15,865.7 | 39.4 | 0.2\% | 15,858.8 | 46.3 | 0.3\% | 15,851.9 | 53.2 | 0.3\% |
| me 4 | 355319 | 2005 | Above Normal | July | - | 2,863.9 | 2,842.6 | 21.3 | 0.7\% | 2,839.6 | 24.3 | 0.8\% | 2,833.4 | 30.4 | 1.1\% | 2,887.4 | 36.5 | 1.3\% | 2,821.4 | 42.5 | 1.5\% | 2,815.4 | 48.5 | 1.7\% |
| ME4 | 355319 | 2005 | Above Normal | August | -- | 983.9 | 964.6 | 19.3 | 2.0\% | 961.9 | 22.0 | 2.2\% | 956.4 | 27.5 | 2.8\% | 950.9 | 33.0 | 3.4\% | 945.4 | 38.5 | 3.9\% | 939.9 | 43.9 | 4.5\% |
| ME 4 | 355319 | 2005 | Above Normal | September | Used in Summary Table Analysis | 525.3 | 508.3 | 17.0 | 3.2\% | 505.8 | 19.4 | 3.7\% | 501.0 | 24.3 | 4.6\% | 496.1 | 29.2 | 5.6\% | 491.3 | 34.0 | 6.5\% | 486.4 | 38.8 | 7.4\% |
| ME4 | 355319 | 2006 | Wet | October | Used in Summary Table Analysis | 635.2 | 621.5 | 13.8 | 2.2\% | 619.5 | 15.7 | 2.5\% | 615.6 | 19.7 | 3.1\% | 611.6 | 23.6 | 3.7\% | 607.7 | 27.6 | 4.3\% | 603.7 | 31.6 | 5.0\% |
| me 4 | 355319 | 2006 | Wet | November | Used in Summary Table Analysis | 9,332.6 | 9,321.8 | 10.9 | 0.1\% | 9,320.1 | 12.5 | 0.1\% | 9,317.0 | 15.6 | 0.2\% | 9,313.9 | 18.8 | 0.2\% | 9,310.8 | 21.9 | 0.2\% | 9,307.6 | 25.0 | 0.3\% |
| ME4 | 355319 | 2006 | Wet | December | - | 43,589.1 | 43,579.9 | 9.3 | 0.0\% | 43,577.5 | 11.6 | 0.0\% | 43,575.2 | 13.9 | 0.0\% | 43,572.9 | 16.2 | 0.0\% | 43,569.4 | 19.7 | 0.0\% | 43,567.1 | 22.0 | 0.1\% |
| me 4 | 355319 | 2006 | Wet | January | - | 46,380.8 | 46,37.5 | 9.3 | 0.0\% | 46,370.4 | 10.4 | 0.0\% | 46,368.1 | 12.7 | 0.0\% | 46,365.7 | 15.0 | 0.0\% | 46,362.3 | 18.5 | 0.0\% | 46,360.0 | 20.8 | 0.0\% |
| ME 4 | 355319 | 2006 | Wet | February | - | 26,653.9 | 26,645.8 | 8.1 | 0.0\% | 26,644.7 | 9.3 | 0.0\% | 26,642.4 | 11.6 | 0.0\% | 26,640.0 | 13.9 | 0.1\% | 26,338.9 | 15.0 | 0.1\% | 26,636.6 | 17.4 | 0.1\% |
| ME4 | 355319 | 2006 | Wet | March | - | 47,223.4 | 47,216.4 | 6.9 | 0.0\% | 47,215.3 | 8.1 | 0.0\% | 47,213.0 | 10.4 | 0.0\% | 47,210.6 | 12.7 | 0.0\% | 47,208.3 | 15.0 | 0.0\% | 47,206.0 | 17.4 | 0.0\% |
| me 4 | 355319 | 2006 | wet | April | - | 30,453.7 | 30,466.8 | 6.9 | 0.0\% | 30,45.6 | 8.1 | 0.0\% | 30,444.4 | 9.3 | 0.0\% | 30,442.1 | 11.6 | 0.0\% | 30,439.8 | 13.9 | 0.0\% | 30,437.5 | 16.2 | 0.1\% |
| ME4 | 355319 | 2006 | Wet | May | - | 14,222.2 | 14,213.0 | 9.3 | 0.1\% | 14,211.8 | 10.4 | 0.1\% | 14,208.3 | 13.9 | 0.1\% | 14,206.0 | 16.2 | 0.1\% | 14,203.7 | 18.5 | 0.1\% | 14,200.2 | 22.0 | 0.2\% |
| me 4 | 355319 | 2006 | Wet | June | - | 3,548.6 | 3,529.5 | 19.1 | 0.5\% | 3,526.7 | 21.9 | 0.6\% | 3,521.3 | 27.3 | 0.8\% | 3,516.0 | 32.6 | 0.9\% | 3,510.5 | 38.1 | 1.1\% | 3,505.2 | 43.4 | 1.2\% |
| ME 4 | 355319 | 2006 | Wet | July | - | 1,280.4 | 1,260.2 | 20.3 | 1.5\% | 1,257.3 | 23.1 | 1.8\% | 1,251.5 | 28.9 | 2.3\% | 1,245.8 | 34.6 | 2.7\% | 1,240.0 | 40.4 | 3.2\% | 1,234.4 | 46.1 | 3.6\% |
| ME4 | 355319 | 2006 | Wet | August | -- | 666.4 | 646.7 | 19.7 | 3.0\% | 643.9 | 22.5 | 3.4\% | 638.3 | 28.1 | 4.2\% | 632.7 | 33.7 | 5.1\% | 627.1 | 39.3 | 5.9\% | 621.6 | 44.9 | 6.7\% |
| me 4 | 355319 | 2006 | Wet | September | Used in Summary Table Analysis | 427.1 | 409.9 | 17.2 | 4.0\% | 407.4 | 19.7 | 4.5\% | 402.5 | 24.6 | 5.8\% | 397.6 | 29.5 | 6.9\% | 392.7 | 34.4 | 8.1\% | 387.8 | 39.3 | 9.2\% |
| me 4 | 355319 | 2007 | Above Normal | October | Used in Summary Table Analysis | 275.0 | 261.0 | 14.0 | 5.1\% | 259.1 | 16.0 | 5.8\% | 255.0 | 20.0 | 7.3\% | 251.0 | 24.0 | 8.7\% | 247.0 | 28.0 | 10.2\% | 242.9 | 32.1 | 11.7\% |
| me 4 | 355319 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,689.9 | 8,678.7 | 11.2 | 0.1\% | 8,677.1 | 12.8 | 0.1\% | 8,673.7 | 16.2 | 0.2\% | 8,670.5 | 19.4 | 0.2\% | 8,667.2 | 22.7 | 0.3\% | 8,663.9 | 26.0 | 0.3\% |
| me4 | 355319 | 2007 | Above Normal | December |  | 20,459.5 | 20,499.1 | 10.4 | 0.1\% | 20,447.9 | 11.6 | 0.1\% | 20,445.6 | 13.9 | 0.1\% | 20,442.1 | 17.4 | 0.1\% | 20,438.7 | 20.8 | 0.1\% | 20,436.3 | 23.1 | 0.1\% |
| me 4 | 355319 | 2007 | Above Normal | January | - | 10,264.0 | 10,255.2 | 8.8 | 0.1\% | 10,253.9 | 10.1 | 0.1\% | 10,251.5 | 12.5 | 0.1\% | 10,248.8 | 15.2 | 0.1\% | 10,246.3 | 17.7 | 0.2\% | 10,243.8 | 20.3 | 0.2\% |
| me 4 | 355319 | 2007 | Above Normal | February | - | 30,627.3 | 30,618.1 | 9.3 | 0.0\% | 30,616.9 | 10.4 | 0.0\% | 30,614.6 | 12.7 | 0.0\% | 30,612.3 | 15.0 | 0.0\% | 30,610.0 | 17.4 | 0.1\% | 30,607.6 | 19.7 | 0.1\% |
| ME 4 | 355319 | 2007 | Above Normal | March | - | 13,111.1 | 13,103.0 | 8.1 | 0.1\% | 13,1019 | 9.3 | 0.1\% | 13,099.5 | 11.6 | 0.1\% | 13,097.2 | 13.9 | 0.1\% | 13,094.9 | 16.2 | 0.1\% | 13,092.6 | 18.5 | 0.1\% |
| me 4 | 355319 | 2007 | Above Normal | April | - | 11,542.8 | 11,527.9 | 14.9 | 0.1\% | 11,525.7 | 17.1 | 0.1\% | 11,521.4 | 21.4 | 0.2\% | 11,517.1 | 25.7 | 0.2\% | 11,512.7 | 30.1 | 0.3\% | 11,508.4 | 34.4 | 0.3\% |
| me4 | 355319 | 2007 | Above Normal | May | - | 4,143.2 | 4,125.3 | 17.8 | 0.4\% | 4,122.8 | 20.4 | 0.5\% | 4,117.7 | 25.5 | 0.6\% | 4,112.6 | 30.6 | 0.7\% | 4,107.4 | 35.8 | 0.9\% | 4,102.3 | 40.9 | 1.0\% |
| me 4 | 355319 | 2007 | Above Normal | June | - | 1,500.6 | 1,479.2 | 21.4 | 1.4\% | 1,476.2 | 24.4 | 1.5\% | 1,470.0 | 30.6 | 2.0\% | 1,464.0 | 36.6 | 2.4\% | 1,457.9 | 42.7 | 2.8\% | 1,451.9 | 48.7 | 3.2\% |
| me 4 | 355319 | 2007 | Above Normal | July | - | 496.4 | 474.8 | 21.6 | 4.3\% | 471.8 | 24.6 | 5.0\% | 465.7 | 30.7 | 6.2\% | 459.6 | 36.8 | 7.4\% | 453.5 | 42.9 | 8.6\% | 447.4 | 49.0 | 9.9\% |
| me4 | 355319 | 2007 | Above Normal | August | - | 223.6 | 204.2 | 19.4 | 8.7\% | 201.4 | 22.2 | 9.9\% | 195.9 | 27.7 | 12.4\% | 190.4 | 33.2 | 14.8\% | 184.8 | 38.7 | 17.3\% | 179.3 | 44.2 | 19.8\% |
| ME4 | 355319 | 2007 | Above Normal | September | Used in Summary Table Analysis | 151.2 | 132.8 | 18.3 | 12.1\% | 130.2 | 20.9 | 13.9\% | 125.0 | 26.2 | 17.3\% | 119.8 | 31.4 | 20.8\% | 114.5 | 36.6 | 24.2\% | 109.3 | 41.8 | 27.7\% |
| me 4 | 355319 | 2008 | Dry | October | Used in Summary Table Analysis | 3,441.6 | 3,426.6 | 14.9 | 0.4\% | 3,424.5 | 17.0 | 0.5\% | 3,420.3 | 21.3 | 0.6\% | 3,416.0 | 25.6 | 0.7\% | 3,411.7 | 29.9 | 0.9\% | 3,407.4 | 34.1 | 1.0\% |
| ME4 4 | 355319 | 2008 | Dry | November | Used in Summary Table Analysis | 3,288.4 | 3,270.9 | 11.5 | 0.3\% | 3,269.2 | 13.2 | 0.4\% | 3,266.0 | 16.4 | 0.5\% | 3,262.6 | 19.8 | 0.6\% | 3,259.3 | ${ }^{23.1}$ | 0.7\% | 3,256.0 | 26.4 | 0.8\% |
| ME 4 | 355319 | 2008 | Dry | December |  | 23,191.0 | 23,180.6 | 10.4 | 0.0\% | 23,179.4 | 11.6 | 0.0\% | 23,175.9 | 15.0 | 0.1\% | 23,173.6 | 17.4 | 0.1\% | 23,170.1 | 20.8 | 0.1\% | 23,167.8 | 23.1 | 0.1\% |
| me4 | 355319 | 2008 | Dry | January | -- | 37,593.8 | 37,583.3 | 10.4 | 0.0\% | 37,582.2 | 11.6 | 0.0\% | 37,579.9 | 13.9 | 0.0\% | 37,576.4 | 17.4 | 0.0\% | 37,574.1 | 19.7 | 0.1\% | 37,571.8 | 22.0 | 0.1\% |
| ME4 | 355319 | 2008 | Dry | February | - | 26,285.9 | 26,277.8 | 8.1 | 0.0\% | 26,276.6 | 9.3 | 0.0\% | 26,274.3 | 11.6 | 0.0\% | 26,772.0 | 13.9 | 0.1\% | 26,269.7 | 16.2 | 0.1\% | 26,267.4 | 18.5 | 0.1\% |
| me 4 | 355319 | 2008 | Dry | March | - | 11,800.9 | 11,794.0 | 6.9 | 0.1\% | 11,792.8 | 8.1 | 0.1\% | 11,790.5 | 10.4 | 0.1\% | 11,788.2 | 12.7 | 0.1\% | 11,785.9 | 15.0 | 0.1\% | 11,783.6 | 17.4 | 0.1\% |
| ME 4 | 355319 | 2008 | Dry | April | - | $9,021.6$ | 9,006.4 | 15.3 | 0.2\% | 9,004.2 | 17.5 | 0.2\% | 8,999.8 | 21.9 | 0.2\% | 8,999.5 | 26.2 | 0.3\% | 8,991.1 | 30.6 | 0.3\% | 8,986.7 | 35.0 | 0.4\% |
| me4 | 355319 | 2008 | Dry | May | - | 1,358.7 | 1,342.4 | 16.3 | 1.2\% | 1,339.9 | 18.8 | 1.4\% | 1,335.3 | 23.4 | 1.7\% | 1,330.7 | 28.0 | 2.1\% | 1,326.2 | 32.5 | 2.4\% | 1,321.8 | 36.9 | 2.7\% |
| ME4 | 355319 | 2008 | Dry | June | - | 438.3 | 415.0 | 23.3 | 5.3\% | 411.7 | 26.7 | 6.1\% | 405.1 | 33.3 | 7.6\% | 398.5 | 39.8 | 9.1\% | 391.9 | 46.4 | 10.6\% | 385.3 | 53.0 | 12.1\% |
| ME4 | 355319 | 2008 | Dry | July | - | 256.3 | 233.3 | 23.0 | 9.0\% | 230.0 | 26.3 | 10.2\% | 223.5 | 32.8 | 12.8\% | 216.9 | 39.4 | 15.4\% | 210.4 | 45.9 | 17.9\% | 203.9 | 52.4 | 20.4\% |
| ME 4 | 355319 | 2008 | Dry | August | -- | 179.7 | 157.4 | 22.3 | 12.4\% | 154.2 | 25.5 | 14.2\% | 147.9 | 31.9 | 17.7\% | 141.5 | 38.2 | 21.3\% | 135.2 | 44.5 | 24.8\% | 128.8 | 50.9 | 28.3\% |
| ME4 4 | 355319 | 2008 | Dry | September | Used in Summary Table Analysis | 141.3 | 119.9 | 21.4 | 15.2\% | 116.8 | 24.5 | 17.3\% | 110.7 | 30.6 | 21.7\% | 104.6 | 36.7 | 26.0\% | 98.5 | 42.8 | 30.3\% | 92.4 | 48.9 | 34.6\% |
| ME4 4 | 355319 | 2009 | Critical | October | Used in Summary Table Analysis | 924.9 | 908.1 | 16.9 | 1.8\% | 905.6 | 19.3 | 2.1\% | 900.8 | 24.2 | 2.6\% | 895.9 | 29.1 | 3.1\% | 891.2 | 33.7 | 3.6\% | 886.3 | 38.6 | 4.2\% |
| ME 4 | 355319 355319 | 2009 | ${ }_{\text {critical }}$ | November | Used in Summary Table Analysis | 5,526.6 | 5,513.5 | 13.1 | 0.2\% | 5,511.7 12183 | 14.9 | 0.3\% | 5,507.9 | 18.8 | 0.3\% | 5.504 .2 12179.4 | 22.5 | ${ }^{0.4 \%}$ | 5,500.3 | 26.3 231 | 0.5\% | $5,496.5$ 121725 | 30.1 26.6 | 0.5\% |
| ME 4 | 355319 | 2009 | Critical | December |  | 12,199.1 | 12,187.5 | 11.6 | 0.1\% | 12,186.3 | 12.7 | 0.1\% | 12,182.9 | 16.2 | 0.1\% | 12,179.4 | 19.7 | 0.2\% | 12,175.9 | 23.1 | 0.2\% | 12,172.5 | 26.6 | 0.2\% |
| ME 4 | 355319 | 2009 | Critical | January | - | 8,805.6 | 8,795.4 | 10.2 | 0.1\% | 8,793.9 | 11.7 | 0.1\% | 8,790.9 | 14.7 | 0.2\% | 8,787.8 | 17.7 | 0.2\% | 8,784.8 | 20.7 | 0.2\% | 8,781.8 | 23.7 | 0.3\% |
| ME4 4 | 355319 | 2009 | Critical | February | - | 22,642.4 | 22,634.3 | 8.1 | 0.0\% | 22,631.9 | 10.4 | 0.0\% | 22,629.6 | 12.7 | 0.1\% | 22,627.3 | 15.0 | ${ }^{0.1 \%}$ | 22,625.0 | 17.4 | 0.1\% | $22,621.5$ 211238 | 20.8 185 185 | 0.1\% |
| ME4 4 | 355319 | 2009 | Critical | March |  | 21,142.4 | 21,134.3 | 8.1 | 0.0\% | 21,133.1 | 9.3 | 0.0\% | 21,130.8 | 11.6 | 0.1\% | 21,128.5 | 13.9 | 0.1\% | 21,126.2 | 16.2 | 0.1\% | 21,123.8 | 18.5 | 0.1\% |
| ME4 4 | 355319 | 2009 | Critical | April | - | $10,099.0$ 15593 | 10,083.1 | 15.9 | 0.2\% | 10,080.9 | 18.1 | 0.2\% | $10,076.3$ 15,57.1 | 22.7 26.6 | 0.2\% | $10,071.8$ 15613 | 27.2 32.4 | 0.3\% | $10,067.1$ 15,556.6 lin | 31.8 38.2 | 0.3\% $0.2 \%$ | $10,022.6$ 15.5498 10,6 | 36.3 44.0 | 0.4\% $0.3 \%$ |
| ME4 | 355319 | 2009 | Critical | May | - | 15,593.8 | 15,575.2 | 18.5 | 0.1\% | 15,571.8 | 22.0 | 0.1\% | 15,567.1 | 26.6 | 0.2\% | 15,561.3 | 32.4 | 0.2\% | 15,555.6 | 38.2 | 0.2\% | 15,549.8 | 44.0 | $0.3 \%$ $18 \%$ 18\% |
| me4 | 355319 | 2009 | Critical | June | - | 3,161.2 | 3,136.5 | 24.8 | 0.8\% | 3,133.0 | 28.2 | 0.9\% | 3,125.8 | 35.4 | 1.1\% | 3,118.8 | 42.5 | 1.3\% | 3,111.7 | 49.5 | 1.6\% | 3,104.6 | 56.6 | 1.8\% |
| ME4 | 355319 | 2009 | Critical | July | - | 1,263.5 | 1,240.2 | 23.4 | 1.9\% | 1,236.8 | 26.7 | ${ }^{2.1 \%}$ | $1,230.2$ 6373 | 33.3 | 2.6\% | 1,233.6 | 39.9 | 3.2\% | 1,217.0 | 46.5 44.9 | 3.7\% | 1,210.5 | 53.0 51.3 | ${ }^{4.2 \%}$ |
| ME4 | 355319 | 2009 | Critical | August | -- | 669.4 | 646.9 | 22.5 | 3.4\% | 643.7 | 25.7 | 3.8\% | 637.3 | 32.1 | 4.8\% | 630.9 | 38.5 | 5.7\% | 624.5 | 44.9 | ${ }^{6.7 \%}$ | 618.1 | 51.3 | 7.7\% |
| me 4 | 355319 | 2009 | Critical | September | Used in Summary Table Analysis | 390.4 | 370.4 | 20.0 | 5.1\% | 367.5 | 22.9 | 5.9\% | 361.7 | 28.7 | 7.3\% | 356.0 | 34.4 | 8.8\% | 350.3 | 40.1 | 10.3\% | 344.6 | 45.8 | 11.7\% |
| ME 4 | 355319 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,089.8 | 6,072.7 | 17.1 | 0.3\% | 6,070.3 | 19.6 | 0.3\% | 6,065.3 | 24.5 | 0.4\% | 6,060.4 | 29.4 | 0.5\% | 6,055.7 | 34.1 | ${ }^{0.6 \%}$ | ${ }^{6,050.8}$ | 39.0 | 0.6\% |
| me 4 | 355319 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,300.7 | 8,287.3 | 13.4 | 0.2\% | 8,285.3 | 15.4 | 0.2\% | 8,281.4 | 19.3 | 0.2\% | 8,277.4 | 23.3 | 0.3\% | $8,273.5$ | 27.2 | 0.3\% | $8,269.6$ | 31.1 | 0.4\% |
| ME4 | 355319 | 2010 | Below Normal | December | -- | 12,378.5 | 12,366.9 | 11.6 | 0.1\% | 12,364.6 | 13.9 | 0.1\% | +12,361.1 | 17.4 | ${ }^{0.1 \%}$ | $12,357.6$ c, 67, | 20.8 185 | ${ }^{0.2 \%}$ | 12,354.2 chere | 24.3 20.8 | 0.2\% | $12,351.9$ <br> 3,2917 | 26.6 24.6 | 0.2\% |
| ME 4 | 355319 | 2010 | Below Normal | January |  | 36,316.0 | 36,305.6 | 10.4 | 0.0\% | 36,304.4 | 11.6 | 0.0\% | 36,300.9 | 15.0 | 0.0\% | 36,297.5 | 18.5 | 0.1\% | 36,295.1 | 20.8 | 0.1\% | 36,291.7 | 24.3 | 0.1\% |
| ME 4 | 355319 | 2010 | Below Normal | February | - | 27,268.5 | 27,259.3 | 9.3 | 0.0\% | 27,256.9 | 11.6 | 0.0\% | 27,254.6 | 13.9 | 0.1\% | 27,252.3 | 16.2 | 0.1\% | 27,250.0 | 18.5 | 0.1\% | 27,246.5 | 22.0 | 0.1\% |
| ME4 4 | 355319 | 2010 | Below Normal | March | - | 28,856.5 | 28,848.4 | 8.1 | 0.0\% | 28,847.2 | 9.3 | 0.0\% | 28,844.9 | 11.6 | 0.0\% | 28,841.4 | 15.0 | 0.1\% | 28,839.1 | 17.4 | 0.1\% | 28,836.8 | 19.7 | 0.1\% |
| ME4 4 | 355319 | 2010 | Below Normal | April | - | 40,052.1 | 40,042.8 | 9.3 | 0.0\% | 40,041.7 | 10.4 | 0.0\% | 40,039.4 | 12.7 | 0.0\% | 40,037.0 | 15.0 | 0.0\% | 40,034.7 | 17.4 | 0.0\% | 40,032.4 | 19.7 | 0.0\% |
| ME 4 <br> ME 4 | 355319 | 2010 | Below Normal | May | - | 20,298.6 | 20,282.4 | 16.2 | 0.1\% | 20,280.1 | 18.5 | 0.1\% | 20,275.5 | 23.1 | 0.1\% | 20,270.8 | 27.8 | 0.1\% | 20,266.2 | 32.4 | 0.2\% | 20,261.6 | 37.0 | 0.2\% |
| ME 4 ME 4 | 355319 | 2010 | Below Normal | June | - | 9,373.8 | 9,350.1 | 23.7 | 0.3\% | 9,346.6 | 27.2 | 0.3\% | 9,339.9 | 33.9 | 0.4\% | 9,333.2 | 40.6 | 0.4\% | 9,326.5 | 47.3 | 0.5\% | 9,319.8 | 54.1 | 0.6\% |
| ME 4 ME 4 | 355319 | 2010 | Below Normal | July | - | 1,455.4 | 1,433.8 | ${ }^{21.6}$ | 1.5\% | 1,430.7 | 24.8 | ${ }^{1.7 \%}$ | 1,424.4 | ${ }^{31.0}$ | ${ }^{2.1 \%}$ | 1,438.3 | 37.2 33.2 | 2.5\% | ${ }_{\text {1, }}^{1,412.0}$ | 43.4 <br> 9.5 | ${ }^{3.0 \%}$ | $1,406.1$ <br> 524 | 49.3 | 3.4\% |
| ME4 | 355319 355319 | 2010 | ${ }_{\text {Below Normal }}$ | August | Used in Summary Table Analysis | 565.9 | 550.1 633.2 | 19.8 18.8 | 3.5\% 2.9\% | 547.3 630.5 | ${ }_{21.5}^{22.6}$ | 4.0\% | 541.6 625.1 | ${ }_{26.9}^{28.3}$ | 5.0\% | 536.1 619.8 | 33.9 32.2 | 5.9\% $4.9 \%$ | 530.4 614.4 | 39.5 37.6 | ${ }_{\text {5.8\% }}^{6.9 \%}$ | 524.8 609.0 | 45.2 43.0 | 7.9\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Mo | Note | Flowwithout Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, <br> Surface Water Reach) |  |  | Flow (cfs) |  |  | Flow Difference (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Percent } \\ \text { Difference } \end{gathered}$ |
| ME 4 | 355319 | 2011 | Wet |  | October | Used in Summary Table Analysis | 9,652.2 | 9,638.0 | 14.2 | 0.1\% | 9,635.9 | 16.3 | 0.2\% | 9,631.8 | 20.4 | 0.2\% | 9,627.8 | 24.4 | 0.3\% | 9,623.6 | 28.6 | 0.3\% | 9,619.6 | 32.6 | 0.3\% |
| ME 4 | 355319 | 2011 | Wet | November | Used in Summary Table Analysis | 14,241.9 | 14,230.3 | 11.6 | 0.1\% | 14,229.2 | 12.7 | 0.1\% | 14,225.7 | 16.2 | 0.1\% | 14,222.2 | 19.7 | 0.1\% | 14,218.8 | 23.1 | 0.2\% | 14,215.3 | 26.6 | 0.2\% |
| ME 4 | 355319 | 2011 | Wet | December |  | 33,794.0 | 33,783.6 | 10.4 | 0.0\% | 33,782.4 | 11.6 | 0.0\% | 33,780.1 | 13.9 | 0.0\% | 33,776.6 | 17.4 | 0.1\% | 33,774.3 | 19.7 | 0.1\% | 33,770.8 | ${ }^{23.1}$ | 0.1\% |
| me 4 | 355319 | 2011 | Wet | January | - | 14,173.6 | 14,164.4 | 9.3 | 0.1\% | 14,163.2 | 10.4 | 0.1\% | 14,160.9 | 12.7 | 0.1\% | 14,158.6 | 15.0 | 0.1\% | 14,156.3 | 17.4 | 0.1\% | 14,152.8 | 20.8 | 0.1\% |
| ME4 | 355319 | 2011 | Wet | February | - | 20,784.7 | 20,776.6 | 8.1 | 0.0\% | 20,774.3 | 10.4 | 0.1\% | 20,772.0 | 12.7 | 0.1\% | 20,769.7 | 15.0 | 0.1\% | 20,767.4 | 17.4 | 0.1\% | 20,765.0 | 19.7 | 0.1\% |
| ME4 | 355319 | 2011 | Wet | March |  | 52,067.1 | 52,059.0 | 8.1 | 0.0\% | 52,057.9 | 9.3 | 0.0\% | 52,055.6 | 11.6 | 0.0\% | 52,053.2 | 13.9 | 0.0\% | 52,052.1 | 15.0 | 0.0\% | 52,099.8 | 17.4 | 0.0\% |
| ME 4 | 355319 | 2011 | Wet | April | - | 24,821.8 | 24,813.7 | 8.1 | 0.0\% | 24,812.5 | 9.3 | 0.0\% | 24,810.2 | 11.6 | 0.0\% | 24,807.9 | 13.9 | 0.1\% | 24,805.6 | 16.2 | 0.1\% | 24,803.2 | 18.5 | 0.1\% |
| ME4 | 355319 | 2011 | Wet | May | - | 11,392.6 | 11,377.1 | 15.5 | 0.1\% | 11,374.9 | 17.7 | 0.2\% | 11,370.4 | 22.2 | 0.2\% | 11,365.9 | 26.7 | 0.2\% | 11,361.5 | 31.1 | 0.3\% | 11,356.9 | 35.6 | 0.3\% |
| me 4 | 355319 | 2011 | Wet | June | - | 7,066.1 | 7,042.9 | 23.1 | 0.3\% | 7,039.7 | 26.4 | 0.4\% | 7,033.1 | 33.0 | 0.5\% | 7,026.6 | 39.5 | 0.6\% | 7,020.0 | 46.1 | 0.7\% | 7,013.4 | 52.7 | 0.7\% |
| ME4 | 355319 | 2011 | Wet | July | - | 1,888.9 | 1,806.0 | 22.9 | 1.3\% | 1,802.7 | 26.3 | 1.4\% | 1,799.2 | 32.8 | 1.8\% | 1,789.6 | 39.4 | 2.2\% | 1,783.1 | 45.8 | 2.5\% | 1,776.5 | 52.4 | 2.9\% |
| me 4 | 355319 | 2011 | Wet | August | -- | 777.5 | 758.0 | 19.6 | 2.5\% | 755.2 | 22.3 | 2.9\% | 749.6 | 27.9 | 3.6\% | 744.1 | 33.5 | 4.3\% | 738.5 | 39.1 | 5.0\% | 733.0 | 44.6 | 5.7\% |
| ME 4 | 355319 | 2011 | Wet | September | Used in Summary Table Analysis | 434.1 | 416.3 | 17.8 | 4.1\% | 413.8 | 20.3 | 4.7\% | 408.7 | 25.3 | 5.8\% | 403.7 | 30.4 | 7.0\% | 398.6 | 35.4 | 8.2\% | 393.6 | 40.5 | 9.3\% |
| ME4 | 355319 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,550.8 | 4,536.3 | 14.5 | 0.3\% | 4,534.3 | 16.6 | 0.4\% | 4,530.1 | 20.7 | 0.5\% | 4,525.9 | 24.9 | 0.5\% | 4,521.8 | 29.1 | 0.6\% | 4,517.6 | 33.2 | 0.7\% |
| me 4 | 355319 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,258.2 | 8,246.6 | 11.6 | 0.1\% | 8,245.0 | 13.2 | 0.2\% | 8,241.7 | 16.6 | 0.2\% | 8,238.3 | 19.9 | 0.2\% | 8,235.0 | 23.3 | 0.3\% | 8,231.6 | 26.6 | 0.3\% |
| me 4 | 355319 | 2012 | Below Normal | December - |  | 5,191.9 | 5,181.9 | 10.0 | 0.2\% | 5,180.6 | 11.3 | 0.2\% | 5,177.7 | 14.2 | 0.3\% | 5,174.8 | 17.1 | 0.3\% | 5,171.9 | 20.0 | 0.4\% | 5,169.0 | 22.9 | 0.4\% |
| me 4 | 355319 | 2012 | Below Normal | January | - | 20,175.9 | 20,166.7 | 9.3 | 0.0\% | 20,165.5 | 10.4 | 0.1\% | 20,163.2 | 12.7 | 0.1\% | 20,160.9 | 15.0 | 0.1\% | 20,157.4 | 18.5 | 0.1\% | 20,155.1 | 20.8 | 0.1\% |
| ME 4 | 355319 | 2012 | Below Normal | February | - | 18,230.3 | 18,222.2 | 8.1 | 0.0\% | 18,221.1 | 9.3 | 0.1\% | 18,217.6 | 12.7 | 0.1\% | 18,215.3 | 15.0 | 0.1\% | 18,213.0 | 17.4 | 0.1\% | 18,210.6 | 19.7 | 0.1\% |
| ME4 | 355319 | 2012 | Below Normal | March | - | 45,496.5 | 45,488.4 | 8.1 | 0.0\% | 45,487.3 | 9.3 | 0.0\% | 45,485.0 | 11.6 | 0.0\% | 45,482.6 | 13.9 | 0.0\% | 45,480.3 | 16.2 | 0.0\% | 45,478.0 | 18.5 | 0.0\% |
| me 4 | 355319 | 2012 | Below Normal | April | - | 26,885.4 | 26,877.3 | 8.1 | 0.0\% | 26,877.3 | 8.1 | 0.0\% | 26,875.0 | 10.4 | 0.0\% | 26,872.7 | 12.7 | 0.0\% | 26,870.4 | 15.0 | 0.1\% | 26,868.1 | 17.4 | 0.1\% |
| me 4 | 355319 | 2012 | Below Normal | May | - | 7,488.9 | 7,473.5 | 15.4 | 0.2\% | 7,471.3 | 17.6 | 0.2\% | 7,466.8 | 22.1 | 0.3\% | 7,462.4 | 26.5 | 0.4\% | 7,458.0 | 30.9 | 0.4\% | 7,453.5 | 35.4 | 0.5\% |
| me 4 | 355319 | 2012 | Below Normal | June | - | 5,525.1 | 5,501.5 | 23.6 | 0.4\% | 5,498.1 | 27.0 | 0.5\% | 5,491.6 | 33.6 | 0.6\% | 5,484.8 | 40.3 | 0.7\% | 5,478.1 | 47.0 | 0.9\% | 5,471.5 | 53.6 | 1.0\% |
| ME 4 | 355319 | 2012 | Below Normal | July | - | 2,229.3 | 2,207.1 | 22.2 | 1.0\% | 2,203.9 | 25.3 | 1.1\% | 2,197.7 | 31.6 | 1.4\% | 2,191.3 | 38.0 | 1.7\% | 2,185.0 | 44.3 | 2.0\% | 2,178.6 | 50.7 | 2.3\% |
| ME4 | 355319 | 2012 | Below Normal | August | -- | 388.8 | 370.8 | 17.9 | 4.6\% | 368.3 | 20.4 | 5.3\% | 363.2 | 25.5 | 6.6\% | 358.1 | 30.6 | 7.9\% | 353.0 | 35.7 | 9.2\% | 347.9 | 40.8 | 10.5\% |
| ME 4 | 355319 | 2012 | Below Normal | September | Used in Summary Table Analysis | 249.6 | 233.6 | 16.0 | 6.4\% | 231.4 | 18.2 | 7.3\% | 226.8 | 22.8 | 9.1\% | 222.3 | 27.3 | 10.9\% | 217.8 | 31.8 | 12.7\% | 213.3 | 36.4 | 14.6\% |
| me4 | 355319 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,917.7 | 1,903.8 | 13.9 | 0.7\% | 1,901.9 | 15.9 | 0.8\% | 1,897.8 | 19.9 | 1.0\% | 1,893.9 | 23.8 | 1.2\% | 1,889.9 | 27.8 | 1.4\% | 1,885.9 | 31.8 | 1.7\% |
| ME 4 | 355319 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,723.4 | 14,711.8 | 11.6 | 0.1\% | 14,710.6 | 12.7 | 0.1\% | 14,707.2 | 16.2 | 0.1\% | 14,704.9 | 18.5 | 0.1\% | 14,701.4 | 22.0 | 0.1\% | 14,697.9 | 25.5 | 0.2\% |
| ME 4 | 355319 | 2013 | Below Normal | December - |  | 60,077.5 | 60,068.3 | 9.3 | 0.0\% | 60,066.0 | 11.6 | 0.0\% | 60,063.7 | 13.9 | 0.0\% | 60,060.2 | 17.4 | 0.0\% | 60,057.9 | 19.7 | 0.0\% | 60,054.4 | 23.1 | 0.0\% |
| ME4 | 355319 | 2013 | Below Normal | January | - | 22,226.9 | 22,217.6 | 9.3 | 0.0\% | 22,216.4 | 10.4 | 0.0\% | 22,244.1 | 12.7 | 0.1\% | 22,211.8 | 15.0 | 0.1\% | 22,209.5 | 17.4 | 0.1\% | 22,207.2 | 19.7 | 0.1\% |
| ME 4 | 355319 | 2013 | Below Normal | February | - | 8,856.9 | 8,848.8 | 8.1 | 0.1\% | 8,847.7 | 9.3 | 0.1\% | 8,845.3 | 11.7 | 0.1\% | 8,842.9 | 14.0 | 0.2\% | 8,840.5 | 16.4 | 0.2\% | 8,838.2 | 18.8 | 0.2\% |
| me 4 | 355319 | 2013 | Below Normal | March | - | 10,347.5 | 10,339.7 | 7.8 | 0.1\% | 10,388.5 | 8.9 | 0.1\% | 10,336.2 | 11.2 | 0.1\% | 10,334.0 | 13.4 | 0.1\% | 10,331.7 | 15.7 | 0.2\% | 10,329.4 | 18.1 | 0.2\% |
| ME4 | 355319 | 2013 | Below Normal | April | - | 8,295.6 | 8,280.9 | 14.7 | 0.2\% | 8,278.8 | 16.8 | 0.2\% | 8,274.7 | 20.9 | 0.3\% | 8,270.5 | 25.1 | 0.3\% | 8,266.2 | 29.4 | 0.4\% | 8,262.0 | 33.6 | 0.4\% |
| me 4 | 355319 | 2013 | Below Normal | May | - | 4,437.2 | 4,419.4 | 17.7 | 0.4\% | 4,416.9 | 20.3 | 0.5\% | 4,411.7 | 25.5 | 0.6\% | 4,406.6 | 30.6 | 0.7\% | 4,401.5 | 35.6 | 0.8\% | 4,396.4 | 40.7 | 0.9\% |
| ME4 4 | 355319 | 2013 | Below Normal | June | - | 2,111.9 | 2,090.6 | 21.3 | 1.0\% | 2,087.5 | 24.4 | 1.2\% | 2,081.5 | 30.4 | 1.4\% | 2,075.3 | 36.6 | 1.7\% | 2,069.3 | 42.6 | 2.0\% | 2,063.3 | 48.6 | 2.3\% |
| ME 4 | 355319 | 2013 | Below Normal | July | - | 718.3 | 697.7 | 20.6 | 2.9\% | 694.8 | 23.6 | 3.3\% | 688.9 | 29.4 | 4.1\% | 683.1 | 35.3 | 4.9\% | 677.2 | 41.1 | 5.7\% | 671.4 | 46.9 | 6.5\% |
| ME4 | 355319 | 2013 | Below Normal | August | -- | 340.6 | 321.3 | 19.3 | 5.7\% | 318.5 | 22.1 | 6.5\% | 313.0 | 27.6 | 8.1\% | 307.5 | 33.1 | 9.7\% | 302.0 | 38.6 | 11.3\% | 296.5 | 44.1 | 13.0\% |
| ME4 | 355319 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,795.7 | 4,775.7 | 20.0 | 0.4\% | 4,772.8 | 22.9 | 0.5\% | 4,767.1 | 28.6 | 0.6\% | 4,761.5 | 34.3 | 0.7\% | 4,755.8 | 39.9 | 0.8\% | 4,750.0 | 45.7 | 1.0\% |
| ME 4 | 355319 | 2014 | Critical | October | Used in Summary Table Analysis | 280.5 | 265.9 | 14.5 | 5.2\% | 263.8 | 16.6 | 5.9\% | 259.6 | 20.8 | 7.4\% | 255.5 | 25.0 | 8.9\% | 251.3 | 29.2 | 10.4\% | 247.0 | 33.4 | 11.9\% |
| ME4 4 | 355319 | 2014 | Critical | November | Used in Summary Table Analysis | 1,542.7 | 1,531.0 | 11.7 | 0.8\% | 1,529.3 | 13.4 | 0.9\% | 1,525.9 | 16.8 | 1.1\% | 1,522.6 | 20.1 | 1.3\% | 1,519.2 | 23.5 | 1.5\% | 1,515.7 | 27.0 | 1.7\% |
| ME4 4 | 355319 | 2014 | Critical | December |  | 1,592.1 | 1,581.9 | 10.2 | 0.6\% | 1,580.4 | 11.7 | 0.7\% | 1,577.4 | 14.7 | 0.9\% | 1,574.4 | 17.7 | 1.1\% | 1,571.5 | 20.6 | 1.3\% | 1,568.5 | 23.6 | 1.5\% |
| ME 4 | 355319 355319 | 2014 | ${ }^{\text {Critical }}$ | January | - | - 2.8826 .3 | $2,817.1$ <br> 15760.4 <br> 1 | 9.1 8.1 | 0.3\% | $2,815.9$ 157593 1, | 10.4 | ${ }^{0.4 \%}$ | 2,813.2 15756.9 | 13.1 | 0.5\% | $2,810.5$ , 5 ,754.6 | 15.7 | ${ }^{0.6 \%}$ | +2,807.9 | 18.4 | 0.7\% |  | 21.2 18.5 | 0.7\% |
| ME 4 <br> ME 4 | 355319 | 2014 | Critical | February |  | 15,768.5 | 15,760.4 | 8.1 | 0.1\% | 15,759.3 | 9.3 | 0.1\% | 15,756.9 | 11.6 | 0.1\% | 15,754.6 | 13.9 | 0.1\% | 15,752.3 | 16.2 | 0.1\% | 15,750.0 | 18.5 | 0.1\% |
|  | 355319 | 2014 | Critical | March | - | 31,506.9 | 31,498.8 | ${ }^{8.1}$ | 0.0\% | 31,497.7 | ${ }^{9.3}$ | 0.0\% | 31,495.4 | 11.6 | 0.0\% | 31,433.1 | 13.9 <br>  <br> 278 <br> 18.2 | 0.0\% | $31,490.7$ 12,963 | 16.2 | 0.1\% | 31,488.4 | 18.5 | 0.1\% |
| ME ME 4 4 | 355319 355319 | 2014 2014 | Critical Critical | April May | $\cdots$ | $12,9997.7$ 5,192.1 | $12,981.5$ $5,173.4$ | 16.2 18.8 | 0.1\% | 12,979.2 $5,170.7$ | 18.5 21.4 | 0.1\% | $12,974.5$ $5,165.3$ | 23.1 26.9 | 0.2\% | $12,969.9$ $5,160.0$ | 27.8 32.2 | 0.2\% 0 | $12,965.3$ $5,154.5$ | 32.4 37.6 | 0.2\% | $12,960.6$ $5,149.2$ | 37.0 42.9 | ${ }^{0.3 \%} 0$ |
| ME 4 | 355319 | 2014 | Critical | June | - | 1,199.1 | 1,173.5 | 25.6 | 2.1\% | 1,169.8 | 29.3 | 2.4\% | 1,162.6 | 36.5 | 3.0\% | 1,155.4 | 43.7 | 3.6\% | 1,148.1 | 50.9 | 4.2\% | 1,141.0 | 58.1 | 4.8\% |
| ME 4 | 355319 | 2014 | Critical | July | - | 546.3 | 522.7 | 23.6 | 4.3\% | 519.3 | 26.9 | 4.9\% | 512.6 | 33.6 | 6.2\% | 505.9 | 40.3 | 7.4\% | 499.2 | 47.0 | 8.6\% | 492.6 | 53.7 | 9.8\% |
| me 4 | 355319 | 2014 | Critical | August | - | 348.5 | 326.0 | 22.5 | 6.5\% | 322.8 | 25.7 | 7.4\% | 316.4 | 32.1 | 9.2\% | 310.0 | 38.5 | 11.1\% | 303.6 | 44.9 | 12.9\% | 297.2 | 51.3 | 14.7\% |
| ME4 | 355319 | 2014 | Critical | September | Used in Summary Table Analysis | 2,577.5 | 2,555.6 | 22.0 | 0.9\% | 2,552.4 | 25.1 | 1.0\% | 2,546.2 | 31.4 | 1.2\% | 2,539.9 | 37.6 | 1.5\% | 2,533.6 | 44.0 | 1.7\% | 2,527.3 | 50.2 | 1.9\% |
| ME 4 | 355319 | 2015 | Dry | October | Used in Summary Table Analysis | 11,380.4 | 11,363.1 | 17.4 | 0.2\% | 11,360.6 | 19.8 | 0.2\% | 11,355.9 | 24.5 | 0.2\% | 11,350.9 | 29.5 | 0.3\% | 11,346.2 | 34.3 | 0.3\% | 11,341.1 | 39.4 | 0.3\% |
| ME 4 | 355319 | 2015 | Dry | November | Used in Summary Table Analysis | 9,059.1 | 9,046.2 | 13.0 | 0.1\% | 9,044.3 | 14.8 | 0.2\% | 9,040.6 | 18.5 | 0.2\% | 9,036.9 | 22.2 | 0.2\% | 9,033.1 | 26.0 | 0.3\% | 9,029.4 | 29.7 | 0.3\% |
| ME4 | 355319 | 2015 | Dry | December - |  | 32,695.6 | 32,685.2 | 10.4 | 0.0\% | 32,682.9 | 12.7 | 0.0\% | 32,680.6 | 15.0 | 0.0\% | 32,677.1 | 18.5 | 0.1\% | 32,673.6 | ${ }^{22.0}$ | 0.1\% | 32,670.1 | 25.5 | 0.1\% |
| me4 | 355319 | 2015 | Dry | January | - | 14,589.1 | 14,579.9 | 9.3 | 0.1\% | 14,577.5 | 11.6 | 0.1\% | 14,575.2 | 13.9 | 0.1\% | 14,571.8 | 17.4 | 0.1\% | 14,569.4 | 19.7 | 0.1\% | 14,566.0 | 23.1 | 0.2\% |
| ME 4 | 355319 | 2015 | Dry | February | - | 27,263.9 | 27,25.8 | 8.1 | 0.0\% | 27,254.6 | 9.3 | 0.0\% | 27,251.2 | 12.7 | 0.0\% | 27,248.8 | 15.0 | 0.1\% | 27,246.5 | 17.4 | 0.1\% | 27,244.2 | 19.7 | 0.1\% |
| ME 4 | 355319 | 2015 | Dry | March | - | 11,577.5 | 11,569.7 | 7.9 | 0.1\% | 11,568.5 | 9.0 | 0.1\% | 11,566.2 | 11.3 | 0.1\% | 11,563.9 | 13.7 | 0.1\% | 11,561.6 | 16.0 | 0.1\% | 11,559.4 | 18.2 | 0.2\% |
| ME 4 | 355319 | 2015 | Dry | April | - | 8,406.4 | 8,390.7 | 15.6 | 0.2\% | 8,388.5 | 17.8 | 0.2\% | 8,384.0 | 22.3 | 0.3\% | 8,379.5 | 26.9 | 0.3\% | 8,375.0 | 31.4 | 0.4\% | $8,370.5$ | 35.9 | 0.4\% |
| ME4 | 355319 | 2015 | Dry | May |  | 1,508.8 | 1,490.3 | 18.5 | 1.2\% | 1,487.7 | ${ }^{21.1}$ | 1.4\% | 1,482.4 | 26.4 | 1.7\% | 1,477.1 | 31.7 | 2.1\% | 1,471.9 | 36.9 | 2.4\% | 1,466.6 | 42.2 | 2.8\% |
| ME4 | 355319 | 2015 | Dry | June | - | 652.8 | 629.0 | 23.8 | 3.6\% | 625.6 | 27.1 | 4.2\% | 618.9 | 33.8 | 5.2\% | 612.3 | 40.5 | 6.2\% | 605.6 | 47.2 | 7.2\% | 599.0 | 53.8 | 8.2\% |
| ME 4 | 355319 | 2015 | Dry | July | - | 268.8 | 245.7 | 23.2 | 8.6\% | 242.4 | 26.5 | 9.8\% | 235.8 | 33.1 | 12.3\% | 229.1 | 39.7 | 14.8\% | 222.5 | 46.3 | 17.2\% | 216.0 | 52.9 | 19.7\% |
| ME 4 | 355319 | 2015 | Dry | August | -- | 166.8 | 144.4 | 22.4 | 13.4\% | 141.3 | 25.6 | 15.3\% | 134.8 | 32.0 | 19.2\% | 128.4 | 38.4 | 23.0\% | 122.0 | 44.8 | 26.9\% | 115.7 | 51.2 | 30.7\% |
| me 4 | 355319 | 2015 | Dry | September | Used in Summary Table Analysis | 120.9 | 100.9 | 20.0 | 16.5\% | 97.9 | 22.9 | 19.0\% | 91.7 | 29.2 | 24.1\% | 85.6 | 35.3 | 29.2\% | 79.4 | 41.5 | 34.3\% | 73.3 | 47.6 | 39.4\% |
| ME4 | 355319 | 2016 | Above Normal | October | Used in Summary Table Analysis | 86.1 | 68.4 | 17.7 | 20.6\% | 65.7 | 20.5 | 23.8\% | 60.7 | 25.5 | 29.6\% | 55.6 | 30.6 | 35.5\% | 50.6 | 35.6 | 41.3\% | 45.8 | 40.3 | 46.8\% |
| ME4 | 355319 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,883.2 | 3,870.1 | 13.1 | 0.3\% | 3,868.1 | 15.2 | 0.4\% | 3,864.2 | 19.0 | 0.5\% | 3,860.2 | 23.0 | 0.6\% | 3,856.3 | 27.0 | 0.7\% | 3,852.3 | 30.9 | 0.8\% |
| ME 4 | 355319 355319 | 2016 | Above Normal | December - |  | $36,711.8$ 57414 | $36,700.2$ 57,0039 | 11.6 | 0.0\% | 36,697.9 | 13.9 | 0.0\% | $36,694.4$ 57,3981 | 17.4 | 0.0\% | $36,69.0$ 57,3958 | 20.8 185 | 0.1\% | $36,687.5$ $\mathbf{5 7 , 3 9 2 4}$ | 24.3 | 0.1\% | $36,684.0$ 578380 | 27.8 275 | 0.1\% |
| ME4 | 355319 | 2016 | Above Normal | January |  | 57,414.4 | 57,403.9 | 10.4 | 0.0\% | 57,401.6 | 12.7 | 0.0\% | 57,398.1 | 16.2 | 0.0\% | 57,395.8 | 18.5 | 0.0\% | 57,392.4 | 22.0 | 0.0\% | 57,388.9 | 25.5 | 0.0\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year |  | Month |  | Flowwithout Pumping (cfs) | 75\% Pumping Increase |  |  | mping |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water Reach) |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference <br> Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference |
| ME4 | 355319 | 2016 | Above Normal |  | February | - | 24,284.7 | 24,275.5 | 9.3 | 0.0\% | 24,274.3 | 10.4 | 0.0\% | 24,272.0 | 12.7 | 0.1\% | 24,268.5 | 16.2 | 0.1\% | 24,266.2 | 18.5 | 0.1\% | 24,263.9 | 20.8 | 0.1\% |
| ME4 | 355319 | 2016 | Above Normal | March | - | 41,821.8 | 41,813.7 | 8.1 | 0.0\% | 41,812.5 | 9.3 | 0.0\% | 41,810.2 | 11.6 | 0.0\% | 41,806.7 | 15.0 | 0.0\% | 41,804.4 | 17.4 | 0.0\% | 41,802.1 | 19.7 | 0.0\% |
| ME 4 | 355319 | 2016 | Above Normal | April | - | 18,549.8 | 18,541.7 | 8.1 | 0.0\% | 18,540.5 | ${ }^{9.3}$ | 0.0\% | 18,539.4 | 10.4 | 0.1\% | 18,537.0 | 12.7 | 0.1\% | 18,534.7 | 15.0 | 0.1\% | 18,532.4 | 17.4 | 0.1\% |
| ME4 | 355319 | 2016 | Above Normal | May | - | 5,219.3 | 5,209.7 | 9.6 | 0.2\% | 5,208.3 | 11.0 | 0.2\% | 5,205.6 | 13.8 | 0.3\% | 5,202.8 | 16.6 | 0.3\% | 5,199.9 | 19.4 | 0.4\% | 5,197.0 | 22.3 | 0.4\% |
| ME4 | 355319 | 2016 | Above Normal | June | - | 1,510,3 | 1,491.9 | 18.4 | 1.2\% | 1,489.2 | 21.1 | 1.4\% | 1,484.0 | 26.3 | 1.7\% | 1,478.8 | 31.5 | 2.1\% | 1,473.5 | 36.8 | 2.4\% | 1,468.3 | 42.0 | 2.8\% |
| me4 | 355319 | 2016 | Above Normal | July | - | 823.9 | 803.6 | 20.3 | 2.5\% | 800.6 | 23.3 | 2.8\% | 794.8 | 29.1 | 3.5\% | 789.0 | 34.9 | 4.2\% | 783.2 | 40.7 | 4.9\% | 777.4 | 46.5 | 5.6\% |
| ME4 | 355319 | 2016 | Above Normal | August | -- | 492.5 | 472.6 | 19.9 | 4.0\% | 469.7 | 22.8 | 4.6\% | 464.1 | 28.4 | 5.8\% | 458.4 | 34.1 | 6.9\% | 452.7 | 39.8 | 8.1\% | 447.0 | 45.5 | 9.2\% |
| ME4 | 355319 | 2016 | Above Normal | September | Used in Summary Table Analysis | 328.7 | 311.1 | 17.7 | 5.4\% | 307.9 | 20.8 | 6.3\% | 302.6 | 26.1 | 7.9\% | 297.2 | 31.5 | 9.6\% | 291.8 | 36.9 | 11.2\% | 286.4 | 42.3 | 12.9\% |
| me4 | 355319 | 2017 | Wet | October | Used in Summary Table Analysis | 18,319.4 | 18,304.4 | 15.0 | 0.1\% | 18,302.1 | 17.4 | 0.1\% | 18,298.6 | 20.8 | 0.1\% | 18,294.0 | 25.5 | 0.1\% | 18,289.4 | 30.1 | 0.2\% | 18,284,7 | 34.7 | 0.2\% |
| me4 | 355319 | 2017 | Wet | November | Used in Summary Table Analysis | 18,862.3 | 18,851.9 | 10.4 | 0.1\% | 18,849.5 | 12.7 | 0.1\% | 18,846.1 | 16.2 | 0.1\% | 18,842.6 | 19.7 | 0.1\% | 18,840.3 | 22.0 | 0.1\% | 18,836.8 | 25.5 | 0.1\% |
| me4 | 355319 | 2017 | Wet | December |  | 24,172.5 | 24,163.2 | 9.3 | 0.0\% | 24,160.9 | 11.6 | 0.0\% | 24,158.6 | 13.9 | 0.1\% | 24,155.1 | 17.4 | 0.1\% | 24,152.8 | 19.7 | 0.1\% | 24,149.3 | 23.1 | 0.1\% |
| ME4 | 355319 | 2017 | Wet | January | - | 107,078.7 | 107,069.4 | 9.3 | 0.0\% | 107,068.3 | 10.4 | 0.0\% | 107,066.0 | 12.7 | 0.0\% | 107,062.5 | 16.2 | 0.0\% | 107,060.2 | 18.5 | 0.0\% | 107,057.9 | 20.8 | 0.0\% |
| ME4 | 355319 | 2017 | Wet | February | -- | 81,942.1 | 81,934.0 | 8.1 | 0.0\% | 81,932.9 | 9.3 | 0.0\% | 81,930.6 | 11.6 | 0.0\% | 81,928.2 | 13.9 | 0.0\% | 81,924.8 | 17.4 | 0.0\% | 81,922.5 | 19.7 | 0.0\% |
| ME4 | 355319 | 2017 | Wet | March | -- | 27,307.9 | 27,299.8 | 8.1 | 0.0\% | 27,298.6 | 9.3 | 0.0\% | 27,296.3 | 11.6 | 0.0\% | 27,294.0 | 13.9 | 0.1\% | 27,291.7 | 16.2 | 0.1\% | 27,289.4 | 18.5 | 0.1\% |
| me4 | 355319 | 2017 | Wet | April | -- | 22,971.1 | 22,964.1 | 6.9 | 0.0\% | 22,963.0 | 8.1 | 0.0\% | 22,960.6 | 10.4 | 0.0\% | 22,958.3 | 12.7 | 0.1\% | 22,956.0 | 15.0 | 0.1\% | 22,954.9 | 16.2 | 0.1\% |
| me4 | 355319 | 2017 | Wet | May | -- | 6,274.1 | 6,264.4 | 9.7 | 0.2\% | 6,263.0 | 11.1 | 0.2\% | 6,260.2 | 13.9 | 0.2\% | 6,257.4 | 16.7 | 0.3\% | 6,254.5 | 19.6 | 0.3\% | 6,251.6 | 22.5 | 0.4\% |
| ME4 | 355319 | 2017 | Wet | June | - | 2,120.1 | 2,101.3 | 18.9 | 0.9\% | 2,098.5 | 21.6 | 1.0\% | 2,093.2 | 27.0 | 1.3\% | 2,087.8 | 32.3 | 1.5\% | 2,082.5 | 37.6 | 1.8\% | 2,077.1 | 43.1 | 2.0\% |
| ME4 | 355319 | 2017 | Wet | July | - | 935.9 | 915.3 | 20.5 | 2.2\% | 912.4 | 23.4 | 2.5\% | 906.6 | 29.3 | 3.1\% | 900.8 | 35.1 | 3.7\% | 895.0 | 40.9 | 4.4\% | 889.2 | 46.7 | 5.0\% |
| me4 | 355319 | 2017 | Wet | August | -- | 508.0 | 488.1 | 19.9 | 3.9\% | 485.2 | 22.7 | 4.5\% | 479.6 | 28.4 | 5.6\% | 473.9 | 34.0 | 6.7\% | 468.3 | 39.7 | 7.8\% | 462.6 | 45.3 | 8.9\% |
| me4 | 355319 | 2017 | Wet | September | Used in Summary Table Analysis | 323.7 | 305.4 | 18.3 | 5.7\% | 302.7 | 21.0 | 6.5\% | 297.5 | 26.2 | 8.1\% | 292.3 | 31.4 | 9.7\% | 287.0 | 36.7 | 11.3\% | 281.8 | 41.9 | 12.9\% |
| me4 | 355319 | 2018 | Above Normal | October | Used in Summary Table Analysis | 276.4 | 261.9 | 14.5 | 5.2\% | 259.8 | 16.6 | 6.0\% | 255.6 | 20.7 | 7.5\% | 251.4 | 24.9 | 9.0\% | 247.3 | 29.1 | 10.5\% | 243.1 | 33.3 | 12.0\% |
| ME4 | 355319 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,888.1 | 10,816.8 | 11.3 | 0.1\% | 10,815.0 | 13.1 | 0.1\% | 10,811.8 | 16.3 | 0.2\% | 10,808.4 | 19.7 | 0.2\% | 10,805.2 | 22.9 | 0.2\% | 10,801.9 | 26.3 | 0.2\% |
| ME4 | 355319 | 2018 | Above Normal | December - |  | 5,449.1 | 5,439.5 | 9.6 | 0.2\% | 5,438.1 | 11.0 | 0.2\% | 5,435.3 | 13.8 | 0.3\% | 5,432.4 | 16.7 | 0.3\% | 5,429.6 | 19.4 | 0.4\% | 5,426.7 | 22.3 | 0.4\% |
| ME4 | 355319 | 2018 | Above Normal | January | -- | 17,844.9 | 17,835.6 | 9.3 | 0.1\% | 17,834,5 | 10.4 | 0.1\% | 17,832.2 | 12.7 | 0.1\% | 17,829.9 | 15.0 | 0.1\% | 17,826.4 | 18.5 | 0.1\% | 17,824.1 | 20.8 | 0.1\% |
| me4 | 355319 | 2018 | Above Normal | February | -- | 7,600.2 | 7,592.5 | 7.8 | 0.1\% | 7,591.3 | 8.9 | 0.1\% | 7,589.0 | 11.2 | 0.1\% | 7,586.7 | 13.5 | 0.2\% | 7,584.5 | 15.7 | 0.2\% | 7,582.1 | 18.2 | 0.2\% |
| me4 | 355319 | 2018 | Above Normal | March | -- | 20,740.7 | 20,733.8 | 6.9 | 0.0\% | 20,732.6 | 8.1 | 0.0\% | 20,730.3 | 10.4 | 0.1\% | 20,728.0 | 12.7 | 0.1\% | 20,725.7 | 15.0 | 0.1\% | 20,723.4 | 17.4 | 0.1\% |
| ME4 | 355319 | 2018 | Above Normal | April | - | 32,248.8 | 32,241.9 | 6.9 | 0.0\% | 32,241.9 | 6.9 | 0.0\% | 32,239.6 | 9.3 | 0.0\% | 32,237.3 | 11.6 | 0.0\% | 32,235.0 | 13.9 | 0.0\% | 32,233.8 | 15.0 | 0.0\% |
| ME4 | 355319 | 2018 | Above Normal | May | - | 6,990.2 | 6,975.5 | 14.7 | 0.2\% | 6,973.3 | 16.9 | 0.2\% | 6,969.1 | 21.1 | 0.3\% | 6,964.8 | 25.3 | 0.4\% | 6,960.6 | 29.5 | 0.4\% | 6,956.7 | 33.4 | 0.5\% |
| ME4 | 355319 | 2018 | Above Normal | June | - | 1,915.0 | 1,896.1 | 19.0 | 1.0\% | 1,893.3 | 21.8 | 1.1\% | 1,887.8 | 27.2 | 1.4\% | 1,882.5 | 32.5 | 1.7\% | 1,877.1 | 38.0 | 2.0\% | 1,871.6 | 43.4 | 2.3\% |
| me4 | 355319 | 2018 | Above Normal | July | -- | 782.5 | 761.9 | 20.6 | 2.6\% | 758.9 | 23.5 | 3.0\% | 753.1 | 29.4 | 3.8\% | 747.2 | 35.2 | 4.5\% | 741.4 | 41.1 | 5.3\% | 735.5 | 46.9 | 6.0\% |
| me4 | 355319 | 2018 | Above Normal | August | -- | 443.6 | 424.4 | 19.1 | 4.3\% | 421.7 | 21.9 | 4.9\% | 416.2 | 27.3 | 6.2\% | 410.8 | 32.8 | 7.4\% | 405.3 | 38.3 | 8.6\% | 399.8 | 43.7 | 9.9\% |
| me4 | 355319 | 2018 | Above Normal | September | Used in Summary Table Analysis | 300.8 | 282.4 | 18.3 | 6.1\% | 279.8 | 21.0 | 7.0\% | 274.6 | 26.2 | 8.7\% | 269.3 | 31.4 | 10.5\% | 264.1 | 36.7 | 12.2\% | 258.8 | 42.0 | 13.9\% |
| ME4 | 355319 | 2019 | Below Normal | October | Used in Summary Table Analysis | 208.3 | 194.0 | 14.3 | 6.8\% | 192.0 | 16.3 | 7.8\% | 187.9 | 20.4 | 9.8\% | 183.7 | 24.6 | 11.8\% | 179.7 | 28.6 | 13.7\% | 175.6 | 32.7 | 15.7\% |
| ME4 | 355319 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,647.2 | 6,635.8 | 11.5 | 0.2\% | 6,634.1 | 13.1 | 0.2\% | 6,630.8 | 16.4 | 0.2\% | 6,627.5 | 19.7 | 0.3\% | 6,624.2 | 23.0 | 0.3\% | 6,620.8 | 26.4 | 0.4\% |
| me4 | 355319 | 2019 | Below Normal | December - |  | 14,707.2 | 14,696.8 | 10.4 | 0.1\% | 14,695.6 | 11.6 | 0.1\% | 14,693.3 | 13.9 | 0.1\% | 14,689.8 | 17.4 | 0.1\% | 14,687.5 | 19.7 | 0.1\% | 14,684.0 | 23.1 | 0.2\% |
| ME4 | 355319 | 2019 | Below Normal | January | -- | 35,304.4 | 35,295.1 | 9.3 | 0.0\% | 35,294.0 | 10.4 | 0.0\% | 35,291.7 | 12.7 | 0.0\% | 35,289.4 | 15.0 | 0.0\% | 35,287.0 | 17.4 | 0.0\% | 35,283.6 | 20.8 | 0.1\% |
| ME4 | 355319 | 2019 | Below Normal | February | -- | 142,013.9 | 142,002.3 | 11.6 | 0.0\% | 142,002.3 | 11.6 | 0.0\% | 142,002.3 | 11.6 | 0.0\% | 141,990.7 | 23.1 | 0.0\% | 141,990.7 | 23.1 | 0.0\% | 141,990.7 | 23.1 | 0.0\% |
| ME4 | 355319 | 2019 | Below Normal | March | - | 42,368.1 | 42,361.1 | 6.9 | 0.0\% | 42,360.0 | 8.1 | 0.0\% | 42,357.6 | 10.4 | 0.0\% | 42,355.3 | 12.7 | 0.0\% | 42,354.2 | 13.9 | 0.0\% | 42,351.9 | 16.2 | 0.0\% |
| ME4 | 355319 | 2019 | Below Normal | April |  | 15,285.9 | 15,278.9 | 6.9 | 0.0\% | 15,277.8 | 8.1 | 0.1\% | 15,275.5 | 10.4 | 0.1\% | 15,274.3 | 11.6 | 0.1\% | 15,272.0 | 13.9 | 0.1\% | 15,269.7 | 16.2 | 0.1\% |
| me4 | 355319 | 2019 | Below Normal | May | -- | 17,005.8 | 16,989.6 | 16.2 | 0.1\% | 16,987.3 | 18.5 | 0.1\% | 16,982.6 | 23.1 | 0.1\% | 16,978.0 | 27.8 | 0.2\% | 16,973.4 | 32.4 | 0.2\% | 16,969.9 | 35.9 | 0.2\% |
| ME4 | 355319 | 2019 | Below Normal | June | - | 4,243.1 | 4,222.3 | 20.7 | 0.5\% | 4,219.4 | 23.6 | 0.6\% | 4,213.7 | 29.4 | 0.7\% | 4,208.1 | 35.0 | 0.8\% | 4,202.5 | 40.5 | 1.0\% | 4,197.1 | 45.9 | 1.1\% |
| me4 | 355319 | 2019 | Below Normal | July | -- | 1,362.8 | 1,342.1 | 20.7 | 1.5\% | 1,339.2 | 23.6 | 1.7\% | 1,333.3 | 29.5 | 2.2\% | 1,327.4 | 35.4 | 2.6\% | 1,321.5 | 41.3 | 3.0\% | 1,315.7 | 47.1 | 3.5\% |
| ME4 | 355319 | 2019 | Below Normal | August |  | 597.8 | 578.1 | 19.7 | 3.3\% | 575.3 | 22.5 | 3.8\% | 569.7 | 28.1 | 4.7\% | 564.1 | 33.7 | 5.6\% | 558.5 | 39.3 | 6.6\% | 552.9 | 44.9 | 7.5\% |
| ME4 | 355319 | 2019 | Below Normal | September | Used in Summary Table Analysis | 463.6 | 445.3 | 18.3 | 3.9\% | 442.7 | 20.9 | 4.5\% | 437.5 | 26.1 | 5.6\% | 432.2 | 31.3 | 6.8\% | 427.0 | 36.6 | 7.9\% | 421.8 | 41.8 | 9.0\% |
| me4 | 355319 | 2020 | Dry | October | Used in Summary Table Analysis | 356.3 | 342.6 | 13.7 | 3.8\% | 340.6 | 15.7 | 4.4\% | 336.6 | 19.7 | 5.5\% | 332.7 | 23.6 | 6.6\% | 328.7 | 27.6 | 7.7\% | 324.7 | 31.6 | 8.9\% |
| ME4 | 355319 | 2020 | Dry | November | Used in Summary Table Analysis | 321.3 | 310.5 | 10.8 | 3.4\% | 308.9 | 12.3 | 3.8\% | 305.8 | 15.5 | 4.8\% | 302.7 | 18.6 | 5.8\% | 299.5 | 21.7 | 6.8\% | 296.4 | 24.9 | 7.7\% |
| me4 | 355319 | 2020 | Dry | December - |  | 13,344.9 | 13,35.6 | 9.3 | 0.1\% | 13,333.3 | 11.6 | 0.1\% | 13,331.0 | 13.9 | 0.1\% | 13,328.7 | 16.2 | 0.1\% | 13,325.2 | 19.7 | 0.1\% | 13,322.9 | 22.0 | 0.2\% |
| ME4 | 355319 | 2020 | Dry | January | - | 22,377.3 | 22,368.1 | 9.3 | 0.0\% | 22,366.9 | 10.4 | 0.0\% | 22,364.6 | 12.7 | 0.1\% | 22,362.3 | 15.0 | 0.1\% | 22,358.8 | 18.5 | 0.1\% | 22,356.5 | 20.8 | 0.1\% |
| ME4 | 355319 | 2020 | Dry | February |  | 7,416.4 | 7,408.4 | 8.0 | 0.1\% | 7,407.3 | 9.1 | 0.1\% | 7,405.0 | 11.5 | 0.2\% | 7,402.5 | 13.9 | 0.2\% | 7,400.2 | 16.2 | 0.2\% | 7,397.9 | 18.5 | 0.2\% |
| ME4 | 355319 | 2020 | Dry | March | - | 7,252.1 | 7,244.6 | 7.5 | 0.1\% | 7,243.5 | 8.6 | 0.1\% | 7,241.3 | 10.8 | 0.1\% | $7,239.0$ 5 | 13.1 | 0.2\% | 7,236.8 | ${ }^{15.3}$ | 0.2\% | $7,234.6$ <br> 5 | 17.5 | 0.2\% |
| ME 4 ME4 den | 355319 | 2020 | Dry | April | - | 5,491.7 | 5,476.2 | 15.5 | 0.3\% | 5,474.0 | 17.7 | 0.3\% | 5,469.4 | 22.2 | 0.4\% | 5,464.9 | 26.7 | 0.5\% | 5,460.4 | 31.3 | ${ }^{0.6 \%}$ | 5,455.9 | 35.8 | 0.7\% |
| ME4 | 355319 | 2020 | Dry | June | -- | 2,104.3 | 2,079.9 | 24.4 | 1.2\% | 2,076.4 | 27.9 | 1.3\% | 2,069.8 | 34.5 | 1.6\% | 2,063.2 | 41.1 | 2.0\% | 2,056.5 | 47.8 | 2.3\% | 2,049.9 | 54.4 | 2.6\% |
| ME4 4 | 355319 | 2020 | Dry | July | - | 797.0 | 773.0 | 24.0 | 3.0\% | 769.5 | 27.4 | 3.4\% | 762.7 | 34.3 | 4.3\% | 755.8 | 41.1 | 5.2\% | 749.0 | 48.0 | 6.0\% | 742.2 | 54.8 | 6.9\% |
| me4 | 355319 | 2020 | Dry | August | -- | 399.7 | 376.0 | 23.6 | 5.9\% | 372.7 | 27.0 | 6.8\% | 365.9 | 33.8 | 8.4\% | 359.2 | 40.5 | 10.1\% | 352.4 | 47.2 | 11.8\% | 345.7 | 54.0 | 13.5\% |
| ME4 | 355319 | 2020 | Dry | September | Used in Summary Table Analysis | 249.0 | 227.9 | 21.1 | 8.5\% | 224.8 | 24.1 | 9.7\% | 218.0 | 31.0 | 12.5\% | 211.6 | 37.3 | 15.0\% | 205.1 | 43.9 | 17.6\% | 198.7 | 50.3 | 20.2\% |
| ME5 | 335221 | 2000 | Above Normal | October | Used in Summary Table Analysis | 821.6 | 806.9 | 14.7 | 1.8\% | 804.8 | 16.8 | 2.0\% | 800.6 | 20.9 | 2.5\% | 796.4 | 25.2 | 3.1\% | 792.1 | 29.5 | 3.6\% | 787.9 | 33.7 | 4.1\% |
| ME5 | 335221 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,211.8 | 12,199.1 | 12.7 | 0.1\% | 12,197.9 | 13.9 | 0.1\% | 12,194.4 | 17.4 | 0.1\% | 12,191.0 | 20.8 | 0.2\% | 12,187.5 | 24.3 | 0.2\% | 12,184.0 | 27.8 | 0.2\% |
| ME5 | 335221 | 2000 | Above Normal | December - | -- | 10,860.0 | 10,850.0 | 10.0 | 0.1\% | 10,848.6 | 11.3 | 0.1\% | 10,845.7 | 14.2 | 0.1\% | 10,842.7 | 17.2 | 0.2\% | 10,839.7 | 20.3 | 0.2\% | 10,836.8 | 23.1 | 0.2\% |
| ME5 | 335221 | 2000 | Above Normal | January | -- | 28,731.5 | 28,722.2 | 9.3 | 0.0\% | 28,721.1 | 10.4 | 0.0\% | 28,718.8 | 12.7 | 0.0\% | 28,715.3 | 16.2 | 0.1\% | 28,713.0 | 18.5 | 0.1\% | 28,710.6 | 20.8 | 0.1\% |
| ME5 | 335221 | 2000 | Above Normal | February - | - | 37,142.4 | 37,134.3 | 8.1 | 0.0\% | 37,133.1 | 9.3 | 0.0\% | 37,130.8 | 11.6 | 0.0\% | 37,128.5 | 13.9 | 0.0\% | 37,125.0 | 17.4 | 0.0\% | 37,122.7 | 19.7 | 0.1\% |
| ME5 | 335221 | 2000 | Above Normal | March | - | 18,347.2 | 18,339.1 | 8.1 | 0.0\% | 18,338.0 | 9.3 | 0.1\% | 18,335.6 | 11.6 | 0.1\% | 18,334.5 | 12.7 | 0.1\% | 18,332.2 | 15.0 | 0.1\% | 18,329.9 | 17.4 | 0.1\% |
| ME5 | 335221 335221 | 2000 | Above Normal | April | - | $12,338.0$ 1714.4 | 12,331.0 | 6.9 153 | ${ }^{0.1 \%}$ | 12,329.9 | 8.1 175 | 0.1\% | 12,327.5 | 10.4 | ${ }^{0.1 \%}$ | 12,355.2 | 12.7 | 0.1\% | $12,322.9$ 7 | 15.0 | 0.1\% | 12,320.6 | 17.4 | ${ }^{0.1 \%}$ |
| ME 5 | 335221 | 2000 | Above Normal | May - | -- | 7,114.4 | 7,099.1 | 15.3 | 0.2\% | 7,096.9 | 17.5 | 0.2\% | 7,092.5 | 21.9 | 0.3\% | 7,088.1 | 26.3 | 0.4\% | 7,083.6 | 30.8 | 0.4\% | 7,079.2 | 35.2 | 0.5\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Lo Loations of interest
Eel River Valley Goonndwater Sustanability Plan

|  | Model Cell (Row, Column, Surface Wat Reach) | Water Year Water Year Type |  | Month | Note | Flow Without Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Flow (cfs) |  |  | Flow Difference <br> (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { FFlow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | Flow Differenc Differenc (cfs) | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Diffow } \\ \begin{array}{c} \text { Difernce } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| ME5 | 335221 | 2006 | Wet |  | October | Used in Summary Table Analysis | 639.2 | 625.0 | 14.2 | 2.2\% | 623.0 | 16.3 | 2.5\% | 618.9 | 20.4 | 3.2\% | 614.8 | 24.4 | 3.8\% | 610.7 | 28.5 | 4.5\% | 606.6 | 32.6 | 5.1\% |
| ME 5 | 335221 | 2006 | Wet | November | Used in Summary Table Analysis | 9,373.0 | 9,361.8 | 11.2 | 0.1\% | 9,360.2 | 12.8 | 0.1\% | 9,356.9 | 16.1 | 0.2\% | 9,353.7 | 19.3 | 0.2\% | 9,350.3 | 22.7 | 0.2\% | 9,347.1 | 25.9 | 0.3\% |
| ME5 | 335221 | 2006 | Wet | December - | -- | 43,719.9 | 43,799.5 | 10.4 | 0.0\% | 43,708.3 | 11.6 | 0.0\% | 43,704.9 | 15.0 | 0.0\% | 43,702.5 | 17.4 | 0.0\% | 43,699.1 | 20.8 | 0.0\% | 43,695.6 | 24.3 | 0.1\% |
| ME 5 | 335221 | 2006 | Wet | January | -- | 46,497.7 | 46,488.4 | 9.3 | 0.0\% | 46,487.3 | 10.4 | 0.0\% | 46,483.8 | 13.9 | 0.0\% | 46,481.5 | 16.2 | 0.0\% | 46,479.2 | 18.5 | 0.0\% | 46,475.7 | 22.0 | 0.0\% |
| ME 5 | 335221 | 2006 | Wet | February | -- | 26,703.7 | 26,695.6 | 8.1 | 0.0\% | 26,694.4 | 9.3 | 0.0\% | 26,692.1 | 11.6 | 0.0\% | 26,689.8 | 13.9 | 0.1\% | 26,687.5 | 16.2 | 0.1\% | 26,685.2 | 18.5 | 0.1\% |
| ME5 | 335221 | 2006 | Wet | March | -- | 47,316.0 | 47,307.9 | 8.1 | 0.0\% | 47,306.7 | 9.3 | 0.0\% | 47,305.6 | 10.4 | 0.0\% | 47,303.2 | 12.7 | 0.0\% | 47,300.9 | 15.0 | 0.0\% | 47,298.6 | 17.4 | 0.0\% |
| ME5 | 335221 | 2006 | Wet | April | - | 30,489.6 | 30,481.5 | 8.1 | 0.0\% | 30,481.5 | 8.1 | 0.0\% | 30,479.2 | 10.4 | 0.0\% | 30,476.9 | 12.7 | 0.0\% | 30,474.5 | 15.0 | 0.0\% | 30,472.2 | 17.4 | 0.1\% |
| ME5 | 335221 | 2006 | Wet | May | - | 14,243.1 | 14,232.6 | 10.4 | 0.1\% | 14,231.5 | 11.6 | 0.1\% | 14,229.2 | 13.9 | 0.1\% | 14,225.7 | 17.4 | 0.1\% | 14,223.4 | 19.7 | 0.1\% | 14,221.1 | 22.0 | 0.2\% |
| ME5 | 335221 | 2006 | Wet | June | - | 3,550.9 | 3,531.6 | 19.3 | 0.5\% | 3,528.8 | 22.1 | 0.6\% | 3,523.4 | 27.5 | 0.8\% | 3,517.9 | 33.0 | 0.9\% | 3,512.5 | 38.4 | 1.1\% | 3,507.1 | 43.9 | 1.2\% |
| ME5 | 335221 | 2006 | Wet | July | - | 1,284,1 | 1,263.5 | 20.6 | 1.6\% | 1,260.6 | 23.5 | 1.8\% | 1,254.7 | 29.4 | 2.3\% | 1,248.8 | 35.3 | 2.7\% | 1,243.1 | 41.1 | 3.2\% | 1,237.3 | 46.9 | 3.7\% |
| ME5 | 335221 | 2006 | Wet | August | -- | 670.3 | 650.1 | 20.2 | 3.0\% | 647.3 | 23.0 | 3.4\% | 641.6 | 28.8 | 4.3\% | 635.8 | 34.5 | 5.1\% | 630.1 | 40.2 | 6.0\% | 624.4 | 45.9 | 6.8\% |
| ME5 | 33522 | 2006 | Wet | September | Used in Summary Table Analysis | 430.8 | 413.1 | 17.7 | 4.1\% | 410.6 | 20.3 | 4.7\% | 405.5 | 25.3 | 5.9\% | 400.5 | 30.3 | 7.0\% | 395.4 | 35.4 | 8.2\% | 390.3 | 40.5 | 9.4\% |
| ME5 | 335221 | 2007 | Above Normal | October | Used in Summary Table Analysis | 278.3 | 263.9 | 14.5 | 5.2\% | 261.8 | 16.5 | 5.9\% | 257.7 | 20.7 | 7.4\% | 253.5 | 24.8 | 8.9\% | 249.3 | 29.0 | 10.4\% | 245.1 | 33.2 | 11.9\% |
| ME5 | 335221 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,725.7 | 8,713.9 | 11.8 | 0.1\% | 8,712.3 | 13.4 | 0.2\% | ${ }^{8,708.8}$ | 16.9 | 0.2\% | 8,705.4 | 20.3 | 0.2\% | 8,702.0 | 23.7 | 0.3\% | 8,698.5 | 27.2 | 0.3\% |
| ME5 | 335221 | 2007 | Above Normal | December - | -- | 20,531.3 | 20,520.8 | 10.4 | 0.1\% | 20,518.5 | 12.7 | 0.1\% | 20,516.2 | 15.0 | 0.1\% | 20,512.7 | 18.5 | 0.1\% | 20,509.3 | 22.0 | 0.1\% | 20,506.9 | 24.3 | 0.1\% |
| ME5 | 335221 | 2007 | Above Normal | January | -- | 10,282.8 | 10,273.6 | 9.1 | 0.1\% | 10,27.3 | 10.4 | 0.1\% | 10,269.7 | 13.1 | 0.1\% | 10,267.0 | 15.7 | 0.2\% | 10,264.4 | 18.4 | 0.2\% | 10,261.7 | 21.1 | 0.2\% |
| ME5 | 335221 | 2007 | Above Normal | February - | - | 30,706.0 | 30,697.9 | 8.1 | 0.0\% | 30,696.8 | 9.3 | 0.0\% | 30,694.4 | 11.6 | 0.0\% | 30,692.1 | 13.9 | 0.0\% | 30,688.7 | 17.4 | 0.1\% | 30,686.3 | 19.7 | 0.1\% |
| ME5 | 335221 | 2007 | Above Normal | March | -- | 13,123.8 | 13,115.7 | 8.1 | 0.1\% | 13,114.6 | 9.3 | 0.1\% | 13,112.3 | 11.6 | 0.1\% | 13,110.0 | 13.9 | 0.1\% | 13,107.6 | 16.2 | 0.1\% | 13,105.3 | 18.5 | 0.1\% |
| ME5 | 335221 | 2007 | Above Normal | April | -- | 11,555.8 | 11,540.6 | 15.2 | 0.1\% | 11,538.4 | 17.4 | 0.2\% | 11,534.1 | ${ }^{21.6}$ | 0.2\% | 11,529.7 | 26.0 | 0.2\% | 11,525.3 | 30.4 | 0.3\% | 11,520.9 | 34.8 | 0.3\% |
| ME5 | 335221 | 2007 | Above Normal | May | - | 4,149.2 | 4,131.1 | 18.1 | 0.4\% | 4,128.6 | 20.6 | 0.5\% | 4,123.4 | 25.8 | 0.6\% | 4,118.3 | 30.9 | 0.7\% | 4,113.1 | 36.1 | 0.9\% | 4,107.9 | 41.3 | 1.0\% |
| ME5 | 335221 | 2007 | Above Normal | June | - | 1,505.2 | 1,483.6 | 21.6 | 1.4\% | 1,480.4 | 24.8 | 1.6\% | 1,474.3 | 30.9 | 2.1\% | 1,468.1 | 37.2 | 2.5\% | 1,461.9 | 43.3 | 2.9\% | 1,455.8 | 49.4 | 3.3\% |
| ME5 | 335221 | 2007 | Above Normal | July | - | 498.9 | 477.0 | 22.0 | 4.4\% | 473.9 | 25.1 | 5.0\% | 467.6 | 31.3 | 6.3\% | 461.4 | 37.5 | 7.5\% | 455.2 | 43.7 | 8.8\% | 449.0 | 49.9 | 10.0\% |
| ME5 | 335221 | 2007 | Above Normal | August | -- | 226.7 | 206.8 | 19.8 | 8.8\% | 204.0 | 22.7 | 10.0\% | 198.3 | 28.3 | 12.5\% | 192.7 | 34.0 | 15.\% | 187.0 | 39.6 | 17.5\% | 181.4 | 45.3 | 20.0\% |
| ME5 | 335221 | 2007 | Above Normal | September | Used in Summary Table Analysis | 154.3 | 135.5 | 18.8 | 12.2\% | 132.8 | 21.5 | 13.9\% | 127.4 | 26.9 | 17.4\% | 122.1 | 32.2 | 20.9\% | 116.7 | 37.6 | 24.4\% | 111.3 | 43.0 | 27.9\% |
| ME5 | 335221 | 2008 | Dry | October | Used in Summary Table Analysis | 3,455.2 | 3,439.8 | 15.4 | 0.4\% | 3,437.6 | 17.6 | 0.5\% | 3,433.2 | 22.0 | 0.6\% | 3,428.8 | 26.4 | 0.8\% | 3,424.3 | 30.9 | 0.9\% | 3,419.9 | 35.3 | 1.0\% |
| ME5 | 335221 | 2008 | Dry | November | Used in Summary Table Analysis | 3,295.4 | 3,283,4 | 11.9 | 0.4\% | 3,281.7 | 13.7 | 0.4\% | 3,278.2 | 17.1 | 0.5\% | 3,274.8 | 20.6 | 0.6\% | 3,271.3 | 24.1 | 0.7\% | 3,267.8 | 27.5 | 0.8\% |
| ME5 | 335221 | 2008 | Dry | December - |  | 23,283.6 | 23,273.1 | 10.4 | 0.0\% | 23,27.0 | 11.6 | 0.0\% | 23,268.5 | 15.0 | 0.1\% | 23,266.2 | 17.4 | 0.1\% | 23,262.7 | 20.8 | 0.1\% | 23,259.3 | 24.3 | 0.1\% |
| ME5 | 335221 | 2008 | Dry | January | -- | 37,681.7 | 37,671.3 | 10.4 | 0.0\% | 37,67.1 | 11.6 | 0.0\% | 37,667.8 | 13.9 | 0.0\% | 37,664.4 | 17.4 | 0.0\% | 37,662.0 | 19.7 | 0.1\% | 37,658.6 | 23.1 | 0.1\% |
| ME5 | 335221 | 2008 | Dry | February - | - | 26,305.6 | 26,297.5 | 8.1 | 0.0\% | 26,296.3 | 9.3 | 0.0\% | 26,294.0 | 11.6 | 0.0\% | 26,291.7 | 13.9 | 0.1\% | 26,289.4 | 16.2 | 0.1\% | 26,287.0 | 18.5 | 0.1\% |
| ME5 | 335221 | 2008 | Dry | March |  | 11,810.2 | 11,803.2 | 6.9 | 0.1\% | 11,802.1 | 8.1 | 0.1\% | 11,799.8 | 10.4 | 0.1\% | 11,797.5 | 12.7 | 0.1\% | 11,995.1 | 15.0 | 0.1\% | 11,792.8 | 17.4 | 0.1\% |
| ME5 | $\begin{array}{r}335221 \\ 33521 \\ \hline 3521\end{array}$ | 2008 | ${ }^{\text {Dry }}$ | April | $\cdots$ | $9,029.7$ 13584 | ${ }^{9,014.4}$ | 15.4 | ${ }^{0.2 \%}$ | ${ }^{9,012.2}$ | 17.6 | ${ }^{0.2 \%}$ | $9,007.8$ 1,3347 | 22.0 | ${ }^{0.2 \%}$ | ${ }^{9,003.2}$ | 26.5 28.4 | 0.3\% | $8,998.8$ 13256 | 30.9 329 | 0.3\% | 8,994.4 | 35.3 <br> 37.4 | 0.4\% $280 \%$ |
| ME 5 | 335221 | 2008 | Dry | May | - | 1,358.4 | 1,341.9 | 16.6 | 1.2\% | 1,339.5 | 19.0 | 1.4\% | 1,334.7 | 23.7 | 1.7\% | 1,330.1 | 28.4 | 2.1\% | 1,325.6 | 32.9 | 2.4\% | 1,321.1 | 37.4 | 2.8\% |
| ME5 | 33522 | 2008 | Dry | June | - | 440.9 | 417.3 | 23.7 | 5.4\% | 413.9 | 27.0 | 6.1\% | 407.2 | 33.7 | 7.7\% | 400.5 | 40.4 | 9.2\% | 393.8 | 47.1 | 10.7\% | 387.2 | 53.8 | 12.2\% |
| ME5 | 335221 | 2008 | Dry | July | -- | 258.9 | 235.4 | 23.5 | 9.1\% | 232.1 | 26.8 | 10.4\% | 225.4 | 33.5 | 12.9\% | 218.7 | 40.2 | 15.5\% | 212.0 | 46.9 | 18.1\% | 205.4 | 53.5 | 20.7\% |
| ME5 | 335221 | 2008 | Dry | August | -- | 182.5 | 159.6 | 22.9 | 12.5\% | 156.4 | 26.2 | 14.3\% | 149.8 | 32.7 | 17.9\% | 143.3 | 39.2 | 21.5\% | 136.8 | 45.7 | 25.1\% | 130.3 | 52.2 | 28.6\% |
| ME5 | $\begin{array}{r}335221 \\ 33521 \\ \hline 3521\end{array}$ | 2008 | ${ }_{\text {Dry }}$ | September | Used in Summary Table Analysis | 144.1 | 122.1 | 22.1 | 15.3\% | 118.9 | 25.2 | 17.5\% | 112.6 | 31.5 <br> 251 | 21.9\% | 106.3 8985 | 37.8 302 | 26.2\% | 100.0 893 | 44.1 | 30.6\% | 93.8 888 | 50.4 | $35.0 \%$ 4.36 0.68 |
| ME5 | $\begin{array}{r}335221 \\ 33521 \\ \hline\end{array}$ | 2009 | Critical Critical | October | Used in Summary Table Analysis | 928.7 5.550. | 911.2 5 5,5366 | $\begin{aligned} & 17.5 \\ & 13,7 \end{aligned}$ | 1.9\% | 908.6 | 20.1 | 2.2\% | 903.6 | $25.1$ | $2.7 \%$ | 898.5 | $30.2$ | 3.3\% | $\begin{array}{r}893.6 \\ 5.5228 \\ \hline 12.285\end{array}$ | $\begin{array}{r}35.1 \\ \\ 27.4 \\ \hline 2.4\end{array}$ | $3.8 \%$ $0.5 \%$ 0.8 | 888.6 5.5188 | 40.2 315 | 4.3\% |
| ME5 | 335221 | 2009 | Critical | December - | -- | 12,246.5 | 12,235.0 | 11.6 | 0.1\% | 12,233.8 | 12.7 | 0.1\% | 12,230.3 | 16.2 | 0.1\% | 12,226.9 | 19.7 | 0.2\% | 12,223.4 | 23.1 | 0.2\% | 12,219.9 | 26.6 | 0.2\% |
| ME5 | 335221 | 2009 | Critical | January |  | 8,819.6 | 8,809.0 | 10.5 | 0.1\% | 8,807.4 | 12.2 | 0.1\% | 8,8004.4 | 15.2 | 0.2\% | 8,801.3 | 18.3 | 0.2\% | 8,798.1 | 21.4 | 0.2\% | 8,795.0 | 24.5 | 0.3\% |
| ME5 | 335221 | 2009 | Critical | February - | -- | 22,682.9 | 22,673.6 | 9.3 | 0.0\% | 22,672.5 | 10.4 | 0.0\% | 22,669.0 | 13.9 | 0.1\% | 22,666.7 | 16.2 | 0.1\% | 22,664.4 | 18.5 | 0.1\% | 22,660.9 | 22.0 | 0.1\% |
| ME5 | 335221 | 2009 | Critical | March | - | 21,172.5 | 21,164.4 | 8.1 | 0.0\% | 21,162.0 | 10.4 | 0.0\% | 21,159.7 | 12.7 | 0.1\% | 21,157.4 | 15.0 | 0.1\% | 21,155.1 | 17.4 | 0.1\% | 21,152.8 | 19.7 | 0.1\% |
| ME5 | 335221 | 2009 | Critical | April | - | 10,102.4 | 10,086.5 | 16.0 | 0.2\% | 10,084.1 | 18.3 | 0.2\% | 10,079.5 | 22.9 | 0.2\% | 10,074.9 | 27.5 | 0.3\% | 10,070.3 | 32.2 | 0.3\% | 10,065.6 | 36.8 | 0.4\% |
| ME5 | 335221 33521 | 2009 | Critical | May | - | 15,610.0 | 15,590.3 | 19.7 | ${ }^{0.1 \%}$ | 15,586.8 | 23.1 | ${ }^{0.1 \%}$ | 15,582.2 | 27.8 | 0.2\% | 15,576.4 | 33.6 | ${ }^{0.2 \%}$ | 15,570.6 | 39.4 50.4 | ${ }^{0.3 \%}$ | 15,564.8 | 45.1 575 | ${ }^{0.3 \%}$ |
| ME5 | 335221 | 2009 | Critical | June | - | 3,163.8 | 3,138.7 | 25.1 | 0.8\% | 3,135.1 | 28.7 | 0.9\% | 3,127.8 | 36.0 | 1.1\% | 3,120.6 | 43.2 | 1.4\% | 3,113.4 | 50.3 | 1.6\% | 3,106.3 | 57.5 | 1.8\% |
| ME5 | $\begin{array}{r}335221 \\ 33521 \\ \hline 3521\end{array}$ | 2009 | Critical Critical | July | - | 1,266.2 | $1,242.5$ 642.4 | 23.7 23.1 | 1.9\% | 1,239.0 | 27.2 26.3 | 2.1\% | $1,232.3$ 6395 | 33.9 | 2.7\% | $1,225.6$ 6350 | 40.6 39.5 | ${ }^{3.2 \%}$ | ${ }_{\text {1,218.8 }}$ | 47.5 46.1 | 3.7\% | $1,212.2$ 6198 | $\begin{array}{r}54.1 \\ 52.6 \\ \hline\end{array}$ | $4.3 \%$ $7.8 \%$ |
| ME 5 ME5 | 335221 335221 | 2009 209 | Critical Critical | August September | -- Used in Summary Table Analysis | $\begin{aligned} & 672.5 \\ & 3924.4 \\ & 393 \end{aligned}$ | 649.4 372.7 | $\begin{aligned} & 23.1 \\ & 20.7 \end{aligned}$ | $3.4 \%$ $5.3 \%$ | $\begin{aligned} & 646.1 \\ & 369.7 \end{aligned}$ | 26.3 23.6 | $3.9 \%$ $6.0 \%$ | $\begin{aligned} & 639.5 \\ & 363.8 \end{aligned}$ | 33.0 29.6 | 4.9\% | $\begin{aligned} & 633.0 \\ & 357.8 \end{aligned}$ | 39.5 35.5 | 5.9\% $9.0 \%$ | 626.4 351.9 | 46.1 41.4 | 6.9\% $10.5 \%$ | 619.8 346.0 | 52.6 47.3 | $7.8 \%$ $12.0 \%$ |
| ME5 | 335221 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,094.2 | 6,076.5 | 17.7 | 0.3\% | 6,074.0 | 20.3 | 0.3\% | 6,068.8 | 25.5 | 0.4\% | 6,063.7 | 30.6 | 0.5\% | 6,058.8 | 35.4 | 0.6\% | 6,053.7 | 40.5 | 0.7\% |
| ME5 | 335221 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,316.9 | 8,302.8 | 14.1 | 0.2\% | 8,300.7 | 16.2 | 0.2\% | 8,296.6 | 20.3 | 0.2\% | 8,292.6 | 24.3 | 0.3\% | 8,288.4 | 28.5 | 0.3\% | 8,284.4 | 32.5 | 0.4\% |
| ME5 | 335221 | 2010 | Below Normal | December - | -- | 12,409.7 | 12,398.1 | 11.6 | 0.1\% | 12,395.8 | 13.9 | 0.1\% | 12,392.4 | 17.4 | 0.1\% | 12,388.9 | 20.8 | 0.2\% | 12,385.4 | 24.3 | 0.2\% | 12,381.9 | 27.8 | 0.2\% |
| ME5 | 335221 | 2010 | Below Normal | January |  | 36,421.3 | 36,409.7 | 11.6 | 0.0\% | 36,408.6 | 12.7 | 0.0\% | 36,405.1 | 16.2 | 0.0\% | 36,401.6 | 19.7 | 0.1\% | 36,399.3 | ${ }^{22.0}$ | 0.1\% | 36,395.8 | 25.5 | 0.1\% |
| ME5 | 335221 | 2010 | Below Normal | February | -- | 27,297.5 | 27,287.0 | 10.4 | 0.0\% | 27,285.9 | 11.6 | 0.0\% | 27,283.6 | 13.9 | 0.1\% | 27,280.1 | 17.4 | 0.1\% | 27,277.8 | 19.7 | 0.1\% | 27,275.5 | 22.0 | 0.1\% |
| ME5 | 335221 | 2010 | Below Normal | March |  | 28,881.9 | 28,873.8 | 8.1 | 0.0\% | 28,871.5 | 10.4 | 0.0\% | 28,869.2 | 12.7 | 0.0\% | 28,866.9 | 15.0 | 0.1\% | 28,864.6 | 17.4 <br> 17.4 <br> 18.4 | ${ }^{0.1 \%}$ | $28,8661.1$ $40,078.7$ | 20.8 197 | 0.1\% $0.0 \%$ 0.0 |
| ME5 | 335221 | 2010 | Below Normal | April | - | 40,098.4 | 40,090.3 | 8.1 | 0.0\% | 40,089.1 | 9.3 | 0.0\% | 40,086.8 | 11.6 | 0.0\% | 40,084.5 | 13.9 | 0.0\% | 40,081.0 | 17.4 | 0.0\% | 40,078.7 | 19.7 | 0.0\% $0.2 \%$ |
| ME 5 ME5 | $\begin{array}{r}335221 \\ 33521 \\ \hline\end{array}$ | 2010 2010 | Below Normal Below Normal | May June | -- | 20,334.5 | 20,318.3 | 16.2 24.1 | 0.1\% | ${ }_{\text {20,316.0 }}$ | 18.5 27.5 | 0.1\% |  | 23.1 <br> 34.3 <br> 1.5 | - $0.1 \%$ | ${ }_{\substack{\text { 20,306.7 } \\ 9,361.7}}^{10,4}$ | 27.8 41.1 | 0.1\% | 20,302.1 <br> $9,355.0$ <br> 1.05 | 32.4 47.8 | ${ }_{\text {en }}^{0.2 \%}$ | 20,296.3 $0,348.1$ 1,075 | 38.2 <br> 54.6 | - $0.2 \%$ |
| ME5 | 335221 | 2010 | Below Normal | July | - | 1,457.6 | 1,435.6 | 22.0 | 1.5\% | 1,432.5 | 25.1 | 1.7\% | 1,426.2 | 31.5 | 2.2\% | 1,419.9 | 37.7 | 2.6\% | 1,413.5 | 44.1 | 3.0\% | 1,407.5 | 50.1 | 3.4\% |
| ME5 | 335221 | 2010 | Below Normal | August | -- | 573.4 | 553.2 | 20.3 | 3.5\% | 550.3 | 23.1 | 4.0\% | 544.5 | 28.9 | 5.0\% | 538.8 | 34.7 | 6.0\% | 533.0 | 40.5 | 7.1\% | 527.2 | 46.2 | 8.1\% |
| ME5 | 335221 | 2010 | Below Normal | September | Used in Summary Table Analysis | 655.8 | 636.5 | 19.3 | 2.9\% | 633.7 | 22.1 | 3.4\% | 628.2 | 27.6 | 4.2\% | 622.7 | 33.1 | 5.0\% | 617.2 | 38.6 | 5.9\% | 611.6 | 44.2 | 6.7\% |
| ME5 | 335221 | 2011 | Wet | October | Used in Summary Table Analysis | 9,676.0 | 9,661.3 | 14.7 | 0.2\% | 9,659.3 | 16.8 | 0.2\% | 9,655.1 | 20.9 | 0.2\% | 9,650.8 | 25.2 | 0.3\% | 9,646.5 | 29.5 | 0.3\% | 9,642.4 | 33.7 | 0.3\% |
| ME5 | 335221 | 2011 | Wet | November | Used in Summary Table Analysis | 14,268.5 | 14,256.9 | 11.6 | 0.1\% | 14,254.6 | 13.9 | 0.1\% | 14,251.2 | 17.4 | 0.1\% | 14,247.7 | 20.8 | 0.1\% | 14,244.2 | 24.3 | 0.2\% | $14,240.7$ 33877 | 27.8 |  |
| ME5 | 335221 | 2011 | Wet | December - |  | 33,900.5 | 33,890.0 | 10.4 | 0.0\% | 33,888.9 | 11.6 | 0.0\% | 33,885.4 | 15.0 | 0.0\% | 33,883.1 | 17.4 | 0.1\% | 33,879.6 | 20.8 | 0.1\% | 33,877.3 | ${ }^{23.1}$ | 0.1\% |
| ME5 | 335221 | 2011 | Wet | January |  | 14,193.3 | 14,184.0 | 9.3 | 0.1\% | 14,182.9 | 10.4 | 0.1\% | 14,180.6 | 12.7 | 0.1\% | 14,177.1 | 16.2 | 0.1\% | 14,174.8 | 18.5 | 0.1\% | 14,172.5 | 20.8 | 0.1\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | $\begin{gathered} \text { Flow } \\ \text { Without } \\ \text { Pumping } \end{gathered}$(cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes | (Row, Column, Surface Water Reach) |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \substack{\text { Difference } \\ \text { (cfs) }} \end{gathered}$ | Percent Difference | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cffs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (fss) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME5 | 335221 | 2011 | Wet |  | February | - | 20,804.4 | 20,795.1 | 9.3 | 0.0\% | 20,794.0 | 10.4 | 0.1\% | 20,791.7 | 12.7 | 0.1\% | 20,789.4 | 15.0 | 0.1\% | 20,787.0 | 17.4 | 0.1\% | 20,784.7 | 19.7 | 0.1\% |
| ME 5 | 335221 | 2011 | Wet | March | - | 52,136.6 | 52,128.5 | 8.1 | 0.0\% | 52,127.3 | 9.3 | 0.0\% | 52,125.0 | 11.6 | 0.0\% | 52,122.7 | 13.9 | 0.0\% | 52,120.4 | 16.2 | 0.0\% | 52,118.1 | 18.5 | 0.0\% |
| ME5 | 335221 | 2011 | Wet | April | - | 24,843,8 | 24,836.8 | 6.9 | 0.0\% | 24,835.6 | 8.1 | 0.0\% | 24,833.3 | 10.4 | 0.0\% | 24,831.0 | 12.7 | 0.1\% | 24,828.7 | 15.0 | 0.1\% | 24,826.4 | 17.4 | 0.1\% |
| ME5 | 335221 | 2011 | Wet | May | - | 11,403.8 | 11,388.2 | 15.6 | 0.1\% | 11,385.9 | 17.9 | 0.2\% | 11,381.4 | 22.5 | 0.2\% | 11,376.9 | 27.0 | 0.2\% | 11,372.3 | 31.5 | 0.3\% | 11,367.8 | 36.0 | 0.3\% |
| ME5 | 335221 | 2011 | Wet | June | - | 7,077.7 | 7,054.3 | 23.4 | 0.3\% | 7,050.9 | 26.7 | 0.4\% | 7,044.3 | 33.3 | 0.5\% | 7,037.7 | 39.9 | 0.6\% | 7,031.0 | 46.6 | 0.7\% | 7,024.4 | 53.2 | 0.8\% |
| ME5 | 335221 | 2011 | Wet | July | - | 1,830.7 | 1,807.3 | 23.4 | 1.3\% | 1,803.9 | 26.7 | 1.5\% | 1,797.3 | 33.3 | 1.8\% | 1,790.6 | 40.0 | 2.2\% | 1,784.0 | 46.6 | 2.5\% | 1,777.3 | 53.4 | 2.9\% |
| ME5 | 335221 | 2011 | Wet | August | -- | 780.6 | 760.6 | 20.0 | 2.6\% | 757.7 | 22.8 | 2.9\% | 752.0 | 28.6 | 3.7\% | 746.3 | 34.2 | 4.4\% | 740.6 | 39.9 | 5.1\% | ${ }^{735.0}$ | 45.6 | 5.8\% |
| ME5 | 335221 | 2011 | Wet | September | Used in Summary Table Analysis | 437.2 | 419.0 | 18.2 | 4.2\% | 416.4 | 20.8 | 4.8\% | 411.2 | 26.0 | 6.0\% | 406.0 | 31.2 | 7.1\% | 400.8 | 36.4 | 8.3\% | 395.7 | 41.6 | 9.5\% |
| ME5 | 335221 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,563.5 | 4,548.6 | 14.9 | 0.3\% | 4,546.4 | 17.1 | 0.4\% | 4,542.1 | 21.4 | 0.5\% | 4,537.8 | 25.7 | 0.6\% | 4,533.6 | 30.0 | 0.7\% | 4,529.3 | 34.3 | 0.8\% |
| ME5 | 335221 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,283.0 | 8,271.1 | 11.9 | 0.1\% | 8,269.3 | 13.7 | 0.2\% | 8,265.9 | 17.1 | 0.2\% | 8,262.4 | 20.6 | 0.2\% | 8,258.9 | 24.1 | 0.3\% | 8,255.4 | 27.5 | 0.3\% |
| ME5 | 335221 | 2012 | Below Normal | December | -- | 5,203.0 | 5,192.8 | 10.2 | 0.2\% | 5,191.3 | 11.7 | 0.2\% | 5,188.4 | 14.6 | 0.3\% | 5,185.4 | 17.6 | 0.3\% | 5,182.4 | 20.6 | 0.4\% | 5,179.4 | 23.6 | 0.5\% |
| ME5 | 335221 | 2012 | Below Normal | January | - | 20,245.4 | 20,236.1 | 9.3 | 0.0\% | 20,235.0 | 10.4 | 0.1\% | 20,232.6 | 12.7 | 0.1\% | 20,229.2 | 16.2 | 0.1\% | 20,226.9 | 18.5 | 0.1\% | 20,224.5 | 20.8 | 0.1\% |
| ME5 | 335221 | 2012 | Below Normal | February | - | 18,250.0 | 18,240.7 | 9.3 | 0.1\% | 18,239.6 | 10.4 | 0.1\% | 18,237.3 | 12.7 | 0.1\% | 18,235.0 | 15.0 | 0.1\% | 18,232.6 | 17.4 | 0.1\% | 18,230.3 | 19.7 | 0.1\% |
| ME 5 | 335221 | 2012 | Below Normal | March | - | 45,577.5 | 45,569.4 | 8.1 | 0.0\% | 45,58.3 | 9.3 | 0.0\% | 45,56.0 | 11.6 | 0.0\% | 45,563.7 | 13.9 | 0.0\% | 45,560.2 | 17.4 | 0.0\% | 45,557.9 | 19.7 | 0.0\% |
| ME5 | 335221 | 2012 | Below Normal | April | - | 26,914,4 | 26,906.3 | 8.1 | 0.0\% | 26,905.1 | 9.3 | 0.0\% | 26,902.8 | 11.6 | 0.0\% | 26,900.5 | 13.9 | 0.1\% | 26,898.1 | 16.2 | 0.1\% | 26,895.8 | 18.5 | 0.1\% |
| ME5 | 335221 | 2012 | Below Normal | May | - | 7,495.6 | 7,480.1 | 15.5 | 0.2\% | 7,477.9 | 17.7 | 0.2\% | 7,473.4 | 22.2 | 0.3\% | 7,468.9 | 26.7 | 0.4\% | 7,464.4 | 31.3 | 0.4\% | 7,459.8 | 35.8 | 0.5\% |
| ME5 | 335221 | 2012 | Below Normal | June | - | 5,536.7 | 5,513.0 | 23.7 | 0.4\% | 5,509.5 | 27.2 | 0.5\% | 5,502.8 | 33.9 | 0.6\% | 5,496.1 | 40.6 | 0.7\% | 5,489.4 | 47.3 | 0.9\% | 5,482.5 | 54.2 | 1.0\% |
| ME5 | 335221 | 2012 | Below Normal | July | - | 2,236.9 | 2,214.4 | 22.6 | 1.0\% | 2,211.1 | 25.8 | 1.2\% | 2,204.6 | 32.3 | 1.4\% | 2,198.3 | 38.7 | 1.7\% | 2,191.8 | 45.1 | 2.0\% | 2,185.3 | 51.6 | 2.3\% |
| ME 5 | 335221 | 2012 | Below Normal | August | -- | 391.2 | 372.9 | 18.3 | 4.7\% | 370.3 | 20.9 | 5.3\% | 365.1 | 26.1 | 6.7\% | 359.8 | 31.3 | 8.0\% | 354.6 | 36.6 | 9.3\% | 349.4 | 41.7 | 10.7\% |
| ME5 | 335221 | 2012 | Below Normal | September | Used in Summary Table Analysis | 252.7 | 236.3 | 16.4 | 6.5\% | 234.0 | 18.7 | 7.4\% | 229.3 | 23.4 | 9.3\% | 224.7 | 28.0 | 11.1\% | 220.0 | 32.7 | 12.9\% | 215.4 | 37.3 | 14.\% |
| ME5 | 335221 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,926.5 | 1,912.2 | 14.4 | 0.7\% | 1,910.1 | 16.4 | 0.9\% | 1,906.0 | 20.5 | 1.1\% | 1,901.9 | 24.7 | 1.3\% | 1,897.8 | 28.7 | 1.5\% | 1,893.6 | 32.9 | 1.7\% |
| ME 5 | 335221 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,768.5 | 14,756.9 | 11.6 | 0.1\% | 14,755.8 | 12.7 | 0.1\% | 14,752.3 | 16.2 | 0.1\% | 14,748.8 | 19.7 | 0.1\% | 14,745.4 | ${ }^{23.1}$ | 0.2\% | 14,741.9 | 26.6 | 0.2\% |
| ME5 | 335221 | 2013 | Below Normal | December |  | 60,177.1 | 60,166.7 | 10.4 | 0.0\% | 60,164.4 | 12.7 | 0.0\% | 60,162.0 | 15.0 | 0.0\% | 60,158.6 | 18.5 | 0.0\% | 60,156.3 | 20.8 | 0.0\% | 60,152.8 | 24.3 | 0.0\% |
| ME5 | 335221 | 2013 | Below Normal | January | -- | 22,254,6 | 22,245.4 | 9.3 | 0.0\% | 22,244.2 | 10.4 | 0.0\% | 22,241.9 | 12.7 | 0.1\% | 22,239.6 | 15.0 | 0.1\% | 22,236, 1 | 18.5 | 0.1\% | 22,233.8 | 20.8 | 0.1\% |
| ME5 | 335221 | 2013 | Below Normal | February | -- | 8,870.4 | 8,862.0 | 8.3 | 0.1\% | 8,860.9 | 9.5 | 0.1\% | 8,858.4 | 11.9 | 0.1\% | 8,856.0 | 14.4 | 0.2\% | 8,853.6 | 16.8 | 0.2\% | 8,851.0 | 19.3 | 0.2\% |
| ME5 | 335221 | 2013 | Below Normal | March | - | 10,368.4 | 10,360.4 | 8.0 | 0.1\% | 10,359.3 | 9.1 | 0.1\% | 10,356.9 | 11.5 | 0.1\% | 10,354.5 | 13.9 | 0.1\% | 10,352.2 | 16.2 | 0.2\% | 10,349.9 | 18.5 | 0.2\% |
| ME 5 | 335221 | 2013 | Below Normal | April | - | 8,302.2 | 8,287.4 | 14.8 | 0.2\% | 8,285.3 | 16.9 | 0.2\% | 8,281.0 | 21.2 | 0.3\% | 8,276.7 | 25.5 | 0.3\% | 8,272.5 | 29.7 | 0.4\% | 8,268.2 | 34.0 | 0.4\% |
| ME5 | 335221 | 2013 | Below Normal | May | - | 4,445.7 | 4,427.8 | 17.9 | 0.4\% | 4,425.1 | 20.6 | 0.5\% | 4,420.0 | 25.7 | 0.6\% | 4,414.8 | 30.9 | 0.7\% | 4,409.7 | 36.0 | 0.8\% | 4,404.5 | 41.2 | 0.9\% |
| ME5 | 335221 | 2013 | Below Normal | June | - | 2,115.3 | 2,093.8 | 21.5 | 1.0\% | 2,099.6 | 24.7 | 1.2\% | 2,084.5 | 30.8 | 1.5\% | 2,078.4 | 36.9 | 1.7\% | 2,072.2 | 43.1 | 2.0\% | 2,066.1 | 49.2 | 2.3\% |
| ME5 | 335221 | 2013 | Below Normal | July | - | 720.4 | 699.4 | 21.0 | 2.9\% | 696.4 | 24.0 | 3.3\% | 690.4 | 30.0 | 4.2\% | 684.5 | 35.9 | 5.0\% | 678.5 | 41.9 | 5.8\% | 672.6 | 47.8 | 6.6\% |
| ME 5 | 335221 | 2013 | Below Normal | August | -- | 343.4 | 323.7 | 19.8 | 5.8\% | 320.8 | 22.6 | 6.6\% | 315.2 | 28.2 | 8.2\% | 309.5 | 33.9 | 9.9\% | 303.9 | 39.5 | 11.5\% | 298.3 | 45.2 | 13.1\% |
| ME5 | 335221 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,808.8 | 4,788.3 | 20.5 | 0.4\% | 4,785.4 | 23.4 | 0.5\% | 4,779.6 | 29.2 | 0.6\% | 4,773.7 | 35.1 | 0.7\% | 4,767.9 | 40.9 | 0.8\% | 4,762.0 | 46.8 | 1.0\% |
| ME5 | 335221 | 2014 | Critical | October | Used in Summary Table Analysis | 281.7 | 266.7 | 15.0 | 5.3\% | 264.5 | 17.2 | 6.1\% | 260.2 | 21.5 | 7.6\% | 255.9 | 25.8 | 9.2\% | 251.5 | 30.2 | 10.7\% | 247.2 | 34.5 | 12.3\% |
| ME5 | 335221 | 2014 | Critical | November | Used in Summary Table Analysis | 1,550.2 | 1,538.1 | 12.2 | 0.8\% | 1,536.3 | 13.9 | 0.9\% | 1,5522.9 | 17.4 | ${ }^{1.1 \%}$ | 1,5599.4 | ${ }^{20.8}$ | ${ }^{1.3 \%}$ | $1,525.8$ 1 15857 | 24.4 | 1.6\% | ${ }^{1,522.3}$ | 27.9 | 1.8\% |
| ME5 | 335221 | 2014 | Critical | December |  | 1,597.0 | 1,586.5 | 10.5 | 0.7\% | 1,584.8 | 12.2 | 0.8\% | 1,581.8 | 15.2 | 0.9\% | 1,578.7 | 18.3 | ${ }^{1.1 \%}$ | 1,575.7 | ${ }^{21.3}$ | 1.3\% | 1,572.6 | 24.4 | 1.5\% |
| ME 5 ME5 | $\begin{array}{r}335221 \\ 33521 \\ \hline\end{array}$ | 2014 2014 | Critical Critical | January February |  | $2,833.9$ 15,789.4 | $2,824.5$ $15,781.3$ | 9.4 8.1 | 0.3\% | $2,823.1$ $15,780.1$ | 10.8 9.3 | 0.4\% | 2,820.5 | 13.4 11.6 | ${ }^{0.5 \%}$ | 2,817.7 15,74.3 | 16.2 15.0 | ${ }^{0.6 \%}$ | $2,814.9$ 157720 | 19.0 <br> 17.4 <br> 17.4 | 0.7\% | $2,812.3$ 157697 | ${ }^{21.6}$ | 0.8\% |
| ME5 | 335221 | 2014 | Critical | March | -- | 31,533.6 | 151,525.5 | ${ }_{8.1}^{8.1}$ | 0.0\% | ${ }_{31,524.3}^{18,3,1}$ | 9.3 | 0.0\% | 31,522.0 | 11.6 | 0.0\% | ${ }^{31,518.5}$ | 15.0 15.0 | 0.0\% | 31,516.2 | 17.4 | 0.1\% | ${ }_{31,513.9}$ | 19.7 | 0.1\% |
| ME5 | 335221 | 2014 | Critical | April | - | 13,005.8 | 12,989.6 | 16.2 | 0.1\% | 12,987.3 | 18.5 | 0.1\% | 12,982.6 | 23.1 | 0.2\% | 12,978.0 | 27.8 | 0.2\% | 12,973.4 | 32.4 | 0.2\% | 12,968.8 | 37.0 | 0.3\% |
| ME5 | 335221 | 2014 | Critical | May | - | 5,197.9 | 5,178.9 | 19.0 | 0.4\% | 5,176.3 | 21.6 | 0.4\% | 5,170.8 | 27.1 | 0.5\% | 5,165.4 | 32.5 | 0.6\% | 5,160.0 | 38.0 | 0.7\% | 5,154.5 | 43.4 | 0.8\% |
| ME5 | 335221 | 2014 | Critical | June | - | 1,202.0 | 1,176.0 | 25.9 | 2.2\% | 1,172.3 | 29.6 | 2.5\% | 1,165.0 | 36.9 | 3.1\% | 1,157.8 | 44.2 | 3.7\% | 1,150.4 | 51.5 | 4.3\% | 1,143.2 | 58.8 | 4.9\% |
| ME5 | 335221 | 2014 | Critical | July | -- | 548.6 | 524.6 | 24.0 | 4.4\% | 521.2 | 27.5 | 5.0\% | 514.3 | 34.3 | 6.3\% | 507.5 | ${ }^{4.1}$ | 7.5\% | 500.6 | 48.0 | 8.7\% | 493.8 | 54.8 | 10.0\% |
| ME5 | 335221 | 2014 | Critical | August | -- | 351.4 | 328.4 | ${ }^{23.0}$ | 6.6\% | 325.1 | ${ }^{26.3}$ | 7.5\% | ${ }^{318.6}$ | 32.9 | 9.4\% | 312.0 | 39.4 | 11.2\% | 305.4 | 46.0 | 13.1\% | 298.9 | 52.5 | 15.0\% |
| ME5 | $\begin{array}{r}335221 \\ 335221 \\ \hline\end{array}$ | 2014 | Critical | September | Used in Summary Table Analysis | $2,584.5$ 11,4035 | $2,561.9$ 1113855 | 22.6 | 0.9\% | $2,558.7$ 113830 | 25.8 20.5 | 1.0\% | $2,552.3$ 113780 | 32.2 <br> 25 | 1.2\% | $2,545.8$ 113729 | 38.7 30.6 | 1.5\% | $2,539.4$ 11368. 1, | 45.1 35.4 | 1.7\% | $2,532.9$ 113627 | 51.6 407 | 2.0\% |
| ME5 | 335221 | 2015 | Dry | October | Used in Summary Table Analysis | 11,403.5 | 11,385.5 | 17.9 13.4 | 0.2\% | $11,383.0$ $9,067.4$ | 20.5 | 0.2\% | 11,378.0 9,063.4 | $\begin{aligned} & 25.5 \\ & { }_{19.2} \end{aligned}$ | $\begin{aligned} & 0.2 \% \\ & 0.2 \% \\ & \hline \end{aligned}$ | 11,372.9 | $\begin{aligned} & 30.6 \\ & 23.0 \end{aligned}$ | 0.3\% | 11,368.1 <br> , 055 <br> 3,78 | 35.4 27.0 | $0.3 \%$ $0.3 \%$ | ${ }_{\substack{11,362.7 \\ 9,051.9}}$ | 30.8 | 0.4\% |
| ME5 ME5 | 335221 335221 | 2015 | Dry | November | Used in Summary Table Analysis | 9,082.6 $32,783.6$ | 9,069.2 <br> $32,772.0$ | 13.4 11.6 | 0.0\% | $19,067.4$ $32,769.7$ | 15.3 13.9 | 0.2\% | ${ }^{\text {3, }}$ 32,763.4 4 | 19.2 16.2 | 0.0\% | 3,059.6 $32,763.9$ | 19.7 19.7 | 0.1\% | 9,055.7 $32,760.4$ | 23.1 27.1 | 0.1\% | ${ }^{\text {32,756.9 }}$ | 30.8 26.6 | - $0.3 \%$ |
| ME5 | 335221 | 2015 | Dry | January |  | 14,601.9 | 14,591.4 | 10.4 | 0.1\% | 14,590.3 | 11.6 | 0.1\% | 14,586.8 | 15.0 | 0.1\% | 14,584.5 | 17.4 | 0.1\% | 14,581.0 | 20.8 | 0.1\% | 14,578,7 | 23.1 | 0.2\% |
| ME5 | 335221 | 2015 | Dry | February | -- | 27,298.6 | 27,289.4 | 9.3 | 0.0\% | 27,88.2 | 10.4 | 0.0\% | 27,285.9 | 12.7 | 0.0\% | 27,282.4 | 16.2 | 0.1\% | 27,280.1 | 18.5 | 0.1\% | 27,277.8 | 20.8 | 0.1\% |
| ME5 | 335221 | 2015 | Dry | March | -- | 11,585.6 | 11,577.5 | 8.1 | 0.1\% | 11,576.4 | 9.3 | 0.1\% | 11,573.7 | 11.9 | 0.1\% | 11,571.3 | 14.4 | 0.1\% | 11,569.0 | 16.7 | 0.1\% | ${ }^{11,566.7}$ | 19.0 | 0.2\% |
| ME5 | 335221 | 2015 | Dry | April | - | 8,428.8 | 8,413.1 | 15.7 | 0.2\% | 8,410.8 | 18.1 | 0.2\% | 8,406.3 | 22.6 | 0.3\% | 8,401.7 | 27.1 | 0.3\% | 8,397.1 | 31.7 | 0.4\% | 8,392.6 | 36.2 | 0.4\% |
| ME5 5 | 335221 | 2015 | Dry | May | - | 1,509.8 | 1,491.1 | 18.8 | 1.2\% | 1,488.4 | 21.4 | 1.4\% | 1,483.2 | 26.6 | 1.8\% | 1,477.8 | 32.1 | 2.1\% | 1,472.5 | 37.4 | 2.5\% | 1,467.0 | ${ }^{42.8}$ | 2.8\% |
| ME5 | $\begin{array}{r}335221 \\ \hline 35221\end{array}$ | 2015 | Dry | June | - | 654.7 | 630.6 <br> 274 | 24.1 | ${ }^{3.7 \%}$ | ${ }_{6}^{627.2}$ | 27.5 | 4.2\% | ${ }^{620.4}$ | 34.3 338 | 5.2\% | ${ }^{613.6}$ | ${ }^{41.1}$ | 6.3\% | 606.9 | 47.9 | 7.3\% $175 \%$ | 600.2 | 54.6 | 8.3\% |
| ME5 | $\begin{array}{r}335221 \\ 335221 \\ \hline\end{array}$ | 2015 | Dry | July | - | 271.1 1696 | 247.4 1467 | 23.7 229 | 8.7\% $135 \%$ | 244.1 1434 | 27.0 | 10.0\% | 237.3 <br> 1368 | 33.8 328 | 12.5\% | 230.5 <br> 130. <br> 87 | 40.6 39.4 | 15.0\% | 223.8 1236 | 47.3 | 17.5\% | 217.1 117.1 | 54.0 52.5 | 19.9\% |
| ME 5 ME5 | 335221 | 2015 2015 | Dry Dry | August September | Used in Summary Table Analvsis | 169.6 123.4 | 146.7 102.9 | 22.9 20.6 | 13.5\% | 143.4 99.8 | 26.2 23.6 | 15.5\% | 136.8 <br> 93.4 <br> 1 | 32.8 30.1 | 19.3\% | 130.2 87.1 | 39.4 36.3 | 23.2\% | 123.6 80.7 | 46.0 42.8 | 27.1\% | 117.1 74.3 | 52.5 49.1 | $31.0 \%$ $39.8 \%$ |
| ME 5 | 335221 | 2016 | Above Normal | October | Used in Summary Table Analysis | 88.6 | 70.4 | 18.3 | 20.6\% | 67.5 | 21.2 | 23.9\% | 62.3 | 26.3 | 29.7\% | 57.0 | 31.6 | 35.7\% | 51.8 | 36.8 | 41.5\% | 46.9 | 41.8 | 47.1\% |
| ME5 | 335221 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,904.4 | 3,890.9 | 13.5 | 0.3\% | 3,888.7 | 15.7 | 0.4\% | 3,884.7 | 19.7 | 0.5\% | 3,880.6 | 23.8 | 0.6\% | 3,876.4 | 28.0 | 0.7\% | 3,872.2 | 32.2 | 0.8\% |
| ME5 | 335221 | 2016 | Above Normal | December | -- | 36,814,8 | 36,802.1 | 12.7 | 0.0\% | 36,800.9 | 13.9 | 0.0\% | 36,797.5 | 17.4 | 0.0\% | 36,792.8 | 22.0 | 0.1\% | 36,789.4 | 25.5 | 0.1\% | 36,785.9 | 28.9 | 0.1\% |
| ME 5 | 335221 | 2016 | Above Normal | January | - | 57,519.7 | 57,508.1 | 11.6 | 0.0\% | 57,506.9 | 12.7 | 0.0\% | 57,503.5 | 16.2 | 0.0\% | 57,500.0 | 19.7 | 0.0\% | 57,496.5 | 23.1 18.5 | 0.0\% | $57,493.1$ S4, | ${ }^{26.6}$ | 0.0\% |
| ME5 | 335221 | 2016 | Above Normal | February | -- | 24,299.8 | 24,291.7 | 8.1 | 0.0\% | 24,289.4 | 10.4 | 0.0\% | 24,287.0 | 12.7 | 0.1\% | 24,284.7 | 15.0 | 0.1\% | 24,281.3 | 18.5 | 0.1\% | 24,278.9 | 20.8 | ${ }^{0.1 \%}$ |
| ME5 | 335221 | 2016 | Above Normal | March | - | $41,870.4$ | 41,862.3 | 8.1 | 0.0\% | ${ }^{41,861.1}$ | 9.3 | 0.0\% | 41,858.8 | 11.6 | 0.0\% | 41,85.3 | 15.0 | 0.0\% | 41,853.0 | 17.4 | 0.0\% | 41,850.7 | 19.7 | 0.0\% |
| ME5 | 335221 | 2016 | Above Normal | April | - | 18,562.5 | 18,554.4 | 8.1 | 0.0\% | 18,53.2 | 9.3 | 0.0\% | 18,550.9 | 11.6 | 0.1\% | 18,548.6 | 13.9 | 0.1\% | 18,546,3 | 16.2 | 0.1\% | 18,544.0 | 18.5 | 0.1\% |
| ME 5 | 335221 | 2016 | Above Normal | May |  | 5,24.1 | 5,214.4 | 9.7 | 0.2\% | 5,212.8 | 11.2 | 0.2\% | 5,210.1 | 14.0 | 0.3\% | 5,207.2 | 16.9 | 0.3\% | 5,204.2 | 19.9 | 0.4\% | 5,201.4 | 22.7 | 0.4\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River valley Groundwater Sustainability Plan

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At Surface Water Depletion Locations of Interest
EER River Valley Groundwater sustainability Plan
Humboldt County Groundate Susan

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River valley Groundwater Sustainability Plan

|  |  | Water Year Water Year |  | Month |  | Flow Without Pumping(cfs) (cfs) | 75\% Pumping Increase |  |  | mping |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water Reach) |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME5 | 335122 | 2006 | Wet |  | February | -- | 26,714.1 | 26,706.0 | 8.1 | 0.0\% | 26,704.9 | 9.3 | 0.0\% | 26,702.5 | 11.6 | 0.0\% | 26,700.2 | 13.9 | 0.1\% | 26,697.9 | 16.2 | 0.1\% | 26,695.6 | 18.5 | 0.1\% |
| ME5 | 335122 | 2006 | Wet | March | - | 47,333.3 | 47,325.2 | 8.1 | 0.0\% | 47,324.1 | 9.3 | 0.0\% | 47,321.8 | 11.6 | 0.0\% | 47,320.6 | 12.7 | 0.0\% | 47,318.3 | 15.0 | 0.0\% | 47,316.0 | 17.4 | 0.0\% |
| ME5 | 335122 | 2006 | Wet | April | - | 30,497.7 | 30,490.7 | 6.9 | 0.0\% | 30,489.6 | 8.1 | 0.0\% | 30,487.3 | 10.4 | 0.0\% | 30,485.0 | 12.7 | 0.0\% | ${ }^{30,482.6}$ | 15.0 | 0.0\% | 30,481.5 | 16.2 | 0.1\% |
| ME5 | 335122 | 2006 | Wet | May | - | 14,247.7 | 14,238.4 | 9.3 | 0.1\% | 14,237.3 | 10.4 | 0.1\% | 14,233.8 | 13.9 | 0.1\% | 14,231.5 | 16.2 | 0.1\% | 14,229.2 | 18.5 | 0.1\% | 14,225.7 | 22.0 | 0.2\% |
| ME5 | 335122 | 2006 | Wet | June | - | 3,552.4 | 3,533.1 | 19.3 | 0.5\% | 3,530.3 | 22.1 | 0.6\% | 3,524.9 | 27.5 | 0.8\% | 3,519.4 | 33.0 | 0.9\% | 3,513.9 | 38.5 | 1.1\% | 3,508.4 | 44.0 | 1.2\% |
| ME5 | 335122 | 2006 | wet | July | - | 1,285.3 | 1,264.7 | 20.6 | 1.6\% | 1,261.7 | 23.6 | 1.8\% | 1,255.9 | 29.4 | 2.3\% | 1,250.0 | 35.3 | 2.7\% | 1,244.2 | 41.1 | 3.2\% | 1,238.3 | 47.0 | 3.7\% |
| ME5 | 335122 | 2006 | Wet | August | -- | 671.2 | 651.0 | 20.2 | 3.0\% | 648.1 | 23.1 | 3.4\% | 642.4 | 28.8 | 4.3\% | 636.7 | 34.5 | 5.1\% | 630.9 | 40.3 | 6.0\% | 625.2 | 46.0 | 6.9\% |
| ME5 | 335122 | 2006 | Wet | September | Used in Summary Table Analysis | 431.5 | 413.8 | 17.8 | 4.1\% | 411.2 | 20.3 | 4.7\% | 406.2 | 25.3 | 5.9\% | 401.1 | 30.4 | 7.0\% | 396.0 | 35.5 | 8.2\% | 390.9 | 40.6 | 9.4\% |
| ME5 | 335122 | 2007 | Above Normal | October | Used in Summary Table Analysis | 278.8 | 264.4 | 14.5 | 5.2\% | 262.3 | 16.6 | 5.9\% | 258.1 | 20.7 | 7.4\% | 253.9 | 24.9 | 8.9\% | 249.7 | 29.1 | 10.4\% | 245.5 | 33.3 | 11.9\% |
| ME5 | 335122 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,731.6 | 8,719.8 | 11.8 | 0.1\% | 8,718.1 | 13.5 | 0.2\% | 8,714.7 | 16.9 | 0.2\% | 8,711.2 | 20.4 | 0.2\% | 8,707.8 | 23.8 | 0.3\% | 8,704.3 | 27.3 | 0.3\% |
| ME5 | 335122 | 2007 | Above Normal | December |  | 20,542.8 | 20,532.4 | 10.4 | 0.1\% | 20,531.3 | 11.6 | 0.1\% | 20,527.8 | 15.0 | 0.1\% | 20,525.5 | 17.4 | 0.1\% | 20,522.0 | 20.8 | 0.1\% | 20,518.5 | 24.3 | 0.1\% |
| ME5 | 335122 | 2007 | Above Normal | January | - | 10,286.8 | 10,277.7 | 9.1 | 0.1\% | 10,276.4 | 10.4 | 0.1\% | 10,273.7 | 13.1 | 0.1\% | 10,271.1 | 15.7 | 0.2\% | 10,268.4 | 18.4 | 0.2\% | 10,265.6 | 21.2 | 0.2\% |
| ME5 | 335122 | 2007 | Above Normal | February | -- | 30,721.1 | 30,711.8 | 9.3 | 0.0\% | 30,710.6 | 10.4 | 0.0\% | 30,708, 3 | 12.7 | 0.0\% | 30,706.0 | 15.0 | 0.0\% | 30,703.7 | 17.4 | 0.1\% | 30,700.2 | 20.8 | 0.1\% |
| ME5 | 335122 | 2007 | Above Normal | March | -- | 13,127.3 | 13,119.2 | 8.1 | 0.1\% | 13,118.1 | 9.3 | 0.1\% | 13,115.7 | 11.6 | 0.1\% | 13,113.4 | 13.9 | 0.1\% | 13,111.1 | 16.2 | 0.1\% | 13,108.8 | 18.5 | 0.1\% |
| ME5 | 335122 | 2007 | Above Normal | April | -- | 11,558.9 | 11,543.8 | 15.2 | 0.1\% | 11,541.6 | 17.4 | 0.2\% | 11,537.2 | 21.8 | 0.2\% | 11,532.9 | 26.0 | 0.2\% | 11,528.5 | 30.4 | 0.3\% | 11,524.1 | 34.8 | 0.3\% |
| ME5 | 335122 | 2007 | Above Normal | May | -- | 4,150.9 | 4,132.9 | 18.1 | 0.4\% | 4,130.3 | 20.6 | 0.5\% | 4,125.1 | 25.8 | 0.6\% | 4,119.9 | 31.0 | 0.7\% | 4,114.7 | 36.2 | 0.9\% | 4,109.5 | 41.4 | 1.0\% |
| ME5 | 335122 | 2007 | Above Normal | June | - | 1,506.4 | 1,484.6 | 21.8 | 1.4\% | 1,481.5 | 24.9 | 1.7\% | 1,475.3 | 31.0 | 2.1\% | 1,469.2 | 37.2 | 2.5\% | 1,463.0 | 43.4 | 2.9\% | 1,456.8 | 49.5 | 3.3\% |
| ME5 | 335122 | 2007 | Above Normal | July | - | 499.5 | 477.5 | 22.0 | 4.4\% | 474.4 | 25.1 | 5.0\% | 468.1 | 31.3 | 6.3\% | 461.9 | 37.6 | 7.5\% | 455.7 | 43.8 | 8.8\% | 449.4 | 50.0 | 10.0\% |
| ME5 | 335122 | 2007 | Above Normal | August | -- | 227.1 | 207.2 | 19.9 | 8.8\% | 204.4 | 22.7 | 10.0\% | 198.7 | 28.4 | 12.5\% | 193.1 | 34.0 | 15.0\% | 187.4 | 39.7 | 17.5\% | 181.8 | 45.3 | 20.0\% |
| ME5 | 335122 | 2007 | Above Normal | September | Used in Summary Table Analysis | 154.7 | 135.8 | 18.9 | 12.2\% | 133.1 | 21.6 | 13.9\% | 127.7 | 26.9 | 17.4\% | 122.4 | 32.3 | 20.9\% | 117.0 | 37.7 | 24.4\% | 111.6 | 43.1 | 27.8\% |
| ME5 | 335122 | 2008 | Dry | October | Used in Summary Table Analysis | 3,457.3 | 3,441.8 | 15.5 | 0.4\% | 3,439.6 | 17.7 | 0.5\% | 3,435.2 | 22.1 | 0.6\% | 3,430.8 | 26.5 | 0.8\% | 3,426.3 | 31.0 | 0.9\% | 3,421.9 | 35.4 | 1.0\% |
| ME5 | 335122 | 2008 | Dry | November | Used in Summary Table Analysis | 3,297.5 | 3,285.5 | 11.9 | 0.4\% | 3,283.8 | 13.7 | 0.4\% | 3,280.3 | 17.1 | 0.5\% | 3,276.9 | 20.6 | 0.6\% | 3,273.4 | 24.1 | 0.7\% | 3,269.9 | 27.5 | 0.8\% |
| ME5 | 335122 | 2008 | Dry | December | -- | 23,299.8 | 23,289.4 | 10.4 | 0.0\% | 23,287.0 | 12.7 | 0.1\% | 23,284,7 | 15.0 | 0.1\% | 23,281.3 | 18.5 | 0.1\% | 23,277.8 | 22.0 | 0.1\% | 23,275.5 | 24.3 | 0.1\% |
| ME5 | 335122 | 2008 | Dry | January | - | 37,696.8 | 37,687.5 | 9.3 | 0.0\% | 37,686.3 | 10.4 | 0.0\% | 37,682.9 | 13.9 | 0.0\% | 37,680.6 | 16.2 | 0.0\% | 37,677.1 | 19.7 | 0.1\% | 37,674.8 | 22.0 | 0.1\% |
| ME5 | 335122 | 2008 | Dry | February | -- | 26,311.3 | 26,303.2 | 8.1 | 0.0\% | 26,302.1 | 9.3 | 0.0\% | 26,299.8 | 11.6 | 0.0\% | 26,297.5 | 13.9 | 0.1\% | 26,295.1 | 16.2 | 0.1\% | 26,292.8 | 18.5 | 0.1\% |
| ME5 | 335122 | 2008 | Dry | March | -- | 11,813.7 | 11,805.6 | 8.1 | 0.1\% | 11,804.4 | 9.3 | 0.1\% | 11,803.2 | 10.4 | 0.1\% | 11,800.9 | 12.7 | 0.1\% | 11,798.6 | 15.0 | 0.1\% | 11,796.3 | 17.4 | 0.1\% |
| ME5 | 335122 | 2008 | Dry | April | - | 9,031.9 | 9,016.6 | 15.4 | 0.2\% | 9,014.4 | 17.6 | 0.2\% | 9,009.8 | 22.1 | 0.2\% | 9,005.4 | 26.5 | 0.3\% | 9,001.0 | 30.9 | 0.3\% | 8,996.5 | 35.4 | 0.4\% |
| ME5 | 335122 | 2008 | Dry | May |  | 1,359.0 | 1,342.5 | 16.6 | 1.2\% | 1,340.0 | 19.0 | 1.4\% | 1,335.3 | 23.7 | 1.7\% | 1,330.7 | 28.4 | 2.1\% | 1,326.0 | 33.0 | 2.4\% | 1,321.5 | 37.5 | 2.8\% |
| ME5 | 335122 | 2008 | Dry | June | - | 441.5 | 417.8 | 23.7 | 5.4\% | 414.5 | 27.1 | 6.1\% | 407.8 | 33.8 | 7.6\% | 401.1 | 40.5 | 9.2\% | 394.4 | 47.2 | 10.7\% | 387.7 | 53.8 | 12.2\% |
| ME5 | 335122 | 2008 | Dry | July | -- | 259.3 | 235.8 | 23.5 | 9.1\% | 232.5 | 26.9 | 10.4\% | 225.7 | 33.6 | 13.0\% | 219.1 | 40.3 | 15.5\% | 212.4 | 47.0 | 18.1\% | 205.7 | 53.6 | 20.7\% |
| ME5 | 335122 | 2008 | Dry | August | -- | 182.9 | 159.9 | 23.0 | 12.6\% | 156.6 | 26.2 | 14.3\% | 150.1 | 32.8 | 17.9\% | 143.6 | 39.3 | 21.5\% | 137.0 | 45.8 | 25.1\% | 130.5 | 52.3 | 28.6\% |
| ME5 | 335122 | 2008 | Dry | September | Used in Summary Table Analysis | 144.4 | 122.3 | 22.1 | 15.3\% | 119.1 | 25.3 | 17.5\% | 112.8 | 31.6 | 21.9\% | 106.5 | 37.9 | 26.2\% | 100.2 | 44.2 | 30.6\% | 93.9 | 50.5 | 35.\% |
| ME5 | 335122 | 2009 | Critical | October | Used in Summary Table Analysis | 929.1 | 911.5 | 17.6 | 1.9\% | 909.0 | 20.1 | 2.2\% | ${ }^{903.9}$ | 25.2 | 2.7\% | 898.8 | 30.3 | 3.3\% | 893.9 | 35.2 | 3.8\% | 888.8 | 40.3 | 4.3\% |
| ME5 | 335122 | 2009 | Critical | November | Used in Summary Table Analysis | 5,553.9 | 5,540.3 | 13.7 | 0.2\% | 5,538.3 | 15.6 | 0.3\% | 5,534.4 | 19.6 | 0.4\% | 5,530.3 | 23.6 | 0.4\% | 5,526.4 | 27.5 | 0.5\% | 5,522.5 | 31.5 | 0.6\% |
| ME5 | 335122 | 2009 | Critical | December |  | 12,254.6 | 12,243.1 | 11.6 | 0.1\% | 12,241.9 | 12.7 | 0.1\% | 12,238.4 | 16.2 | 0.1\% | 12,235.0 | 19.7 | 0.2\% | 12,231.5 | 23.1 | 0.2\% | 12,228.0 | 26.6 | 0.2\% |
| ME5 | 335122 | 2009 | Critical | January | - | 8,822.2 | 8,811.7 | 10.5 | 0.1\% | 8,810.1 | 12.2 | 0.1\% | 8,806.9 | 15.3 | 0.2\% | 8,803.8 | 18.4 | 0.2\% | 8,800.7 | 21.5 | 0.2\% | 8,797.6 | 24.7 | 0.3\% |
| ME5 | 335122 | 2009 | Critical | February | -- | 22,689.8 | 22,680.6 | 9.3 | 0.0\% | 22,679.4 | 10.4 | 0.0\% | 22,677.1 | 12.7 | 0.1\% | 22,673.6 | 16.2 | 0.1\% | 22,671.3 | 18.5 | 0.1\% | 22,669.0 | 20.8 | 0.1\% |
| ME5 | 335122 | 2009 | Critical | March | - | 21,178.2 | 21,170.1 | 8.1 | 0.0\% | 21,169.0 | 9.3 | 0.0\% | 21,165.5 | 12.7 | 0.1\% | 21,163.2 | 15.0 | 0.1\% | 21,160.9 | 17.4 | 0.1\% | 21,158.6 | 19.7 | 0.1\% |
| ME5 | 335122 | 2009 | Critical | April | - | 10,104.1 | 10,088.1 | 16.0 | 0.2\% | 10,085.8 | 18.3 | 0.2\% | 10,081.1 | 22.9 | 0.2\% | 10,076.5 | 27.5 | 0.3\% | 10,071.9 | 32.2 | 0.3\% | 10,067.2 | 36.8 | 0.4\% |
| ME5 | 335122 | 2009 | Critical | May | -- | 15,613.4 | 15,593.8 | 19.7 | 0.1\% | 15,590.3 | 23.1 | 0.1\% | 15,584,5 | 28.9 | 0.2\% | 15,579.9 | 33.6 | 0.2\% | 15,574.1 | 39.4 | 0.3\% | 15,568.3 | 45.1 | 0.3\% |
| ME5 | 335122 | 2009 | Critical | June | - | 3,164.9 | 3,139.7 | ${ }^{25.2}$ | 0.8\% | 3,136.1 | 28.8 | 0.9\% | 3,128.9 | 36.0 | 1.1\% | 3,121.6 | 43.3 | 1.4\% | 3,114.5 | 50.5 | 1.6\% | 3,107.4 | 57.5 | 1.8\% |
| ME5 | 335122 | 2009 | Critical | July | - | 1,267.0 | 1,243.2 | 23.8 | 1.9\% | 1,239.7 | 27.3 | 2.2\% | 1,232.9 | 34.1 | 2.7\% | 1,226.2 | 40.9 | 3.2\% | 1,219.4 | 47.6 | 3.8\% | 1,212.7 | 54.3 | 4.3\% |
| ME5 | 335122 | 2009 | Critical | August |  | 673.0 | 649.9 | ${ }^{23.1}$ | 3.4\% | ${ }^{646.6}$ | 26.4 | 3.9\% | 640.0 | 33.0 | 4.9\% | 633.4 | 39.6 | 5.9\% | ${ }^{626.8}$ | 46.2 | ${ }^{6.9 \%}$ | 620.2 | 52.7 | 7.8\% |
| ME5 | 335122 | 2009 | Critical | September | Used in Summary Table Analysis | 393.7 | 373.0 | 20.7 | 5.3\% | 370.0 | 23.7 | 6.0\% | 364.0 | 29.7 | 7.5\% | 358.1 | 35.6 | 9.0\% | 352.2 | 41.5 | 10.5\% | 346.3 | 47.5 | 12.1\% |
| ME5 | 335122 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,094.8 | 6,077.0 | 17.8 | 0.3\% | 6,074.4 | 20.4 | 0.3\% | 6,069.3 | 25.5 | 0.4\% | ${ }^{6,064.1}$ | 30.7 | 0.5\% | 6,059.3 | 35.5 | 0.6\% | 6,054.2 | ${ }^{40.6}$ | 0.7\% |
| ME 5 ME5 | 335122 | 2010 | Below Normal Below Normal | November | Used in Summary Table Analysis | 8,319.7 | 8,305.6 | 14.1 | 0.2\% | $8,303.5$ | 16.2 | 0.2\% | 8,299.4 | 20.3 | 0.2\% | 8,295.3 | 24.4 | 0.3\% | 8,291.2 | 28.5 | 0.3\% | 8,287.0 | ${ }^{32.6}$ | 0.4\% |
| ME5 ME5 | $\begin{array}{r}335122 \\ 335122 \\ \hline\end{array}$ | 2010 | Below Normal | December | -- | $12,415.5$ $36,438.7$ | $12,402.8$ $36,428.2$ | 12.7 10.4 | - $0.10 \%$ | $12,401.6$ $36,427.1$ | 13.9 11.6 | 0.1\% | - | 17.4 15.0 | - | $12,394.7$ $36,420.1$ | 20.8 18.5 | - | 12,391.2 $36,416.7$ | 24.3 <br> 22.0 | - | ${ }^{122,387.7} 3$ | 27.8 27.5 | ${ }_{\text {one }}^{0.1 \%}$ |
| ME5 | 335122 | 2010 | Below Normal | February | -- | 27,303.2 | 27,294.0 | 9.3 | 0.0\% | 27,292.8 | 10.4 | 0.0\% | 27,289.4 | 13.9 | 0.1\% | 27,287.0 | 16.2 | 0.1\% | 27,284.7 | 18.5 | 0.1\% | 27,281.3 | 22.0 | 0.1\% |
| ME5 | 335122 | 2010 | Below Normal | March | -- | 28,887.7 | 28,878.5 | 9.3 | 0.0\% | 28,877.3 | 10.4 | 0.0\% | 28,875.0 | 12.7 | 0.0\% | 28,872.7 | 15.0 | 0.1\% | 28,869.2 | 18.5 | 0.1\% | 28,866.9 | 20.8 | 0.1\% |
| ME5 | 335122 | 2010 | Below Normal | April | - | 40,107.6 | 40,099.5 | 8.1 | 0.0\% | 40,098.4 | 9.3 | 0.0\% | 40,096.1 | 11.6 | 0.0\% | 40,093.8 | 13.9 | 0.0\% | 40,090.3 | 17.4 | 0.0\% | 40,088.0 | 19.7 | 0.0\% |
| ME5 | 335122 | 2010 | Below Normal | May | - | 20,342.6 | 20,326.4 | 16.2 | 0.1\% | 20,324.1 | 18.5 | 0.1\% | 20,319.4 | 23.1 | 0.1\% | 20,313.7 | 28.9 | 0.1\% | 20,309.0 | 33.6 | 0.2\% | 20,304.4 | 38.2 | 0.2\% |
| ME5 | 335122 | 2010 | Below Normal | June | - | 9,408.9 | 9,384.7 | 24.2 | 0.3\% | 9,381.3 | 27.7 | 0.3\% | 9,374.4 | 34.5 | 0.4\% | 9,367.7 | 41.2 | 0.4\% | 9,360.9 | 48.0 | 0.5\% | 9,354.2 | 54.7 | 0.6\% |
| ME5 | 335122 | 2010 | Below Normal | July | - | 1,458.8 | 1,436.8 | 22.0 | 1.5\% | 1,433.6 | 25.2 | 1.7\% | 1,427.2 | 31.6 | 2.2\% | 1,420.9 | 37.8 | 2.6\% | 1,414.6 | 44.2 | 3.0\% | 1,408.6 | 50.2 | 3.4\% |
| ME5 | 335122 | 2010 | Below Normal | August | -- | 574.3 | 554.0 | 20.3 | 3.5\% | 551.1 | 23.2 | 4.0\% | 545.3 | 29.0 | 5.0\% | 539.5 | 34.7 | 6.0\% | 533.7 | 40.5 | 7.1\% | 528.0 | 46.3 | 8.1\% |
| ME5 | 335122 | 2010 | Below Normal | September | Used in Summary Table Analysis | 656.4 | 637.1 | 19.4 | 2.9\% | 634.3 | 22.1 | 3.4\% | 628.8 | 27.7 | 4.2\% | 623.3 | 33.2 | 5.1\% | 617.7 | 38.7 | 5.9\% | 612.2 | 44.3 | 6.7\% |
| ME5 | 335122 | 2011 | Wet | October | Used in Summary Table Analysis | 9,680.0 | 9,665.3 | 14.7 | 0.2\% | 9,663.2 | 16.8 | 0.2\% | 9,658.9 | 21.1 | 0.2\% | 9,654.7 | 25.2 | 0.3\% | 9,650.5 | 29.5 | 0.3\% | 9,646.2 | 33.8 | 0.3\% |
| ME5 | 335122 | 2011 | Wet | November | Used in Summary Table Analysis | 14,273.1 | 14,261.6 | 11.6 | 0.1\% | 14,259.3 | 13.9 | 0.1\% | 14,256.9 | 16.2 | 0.1\% | 14,253.5 | 19.7 | 0.1\% | 14,250.0 | ${ }^{23.1}$ | 0.2\% | 14,246.5 | 26.6 | 0.2\% |
| ME5 | 335122 | 2011 | Wet | December | -- | 33,919.0 | 33,908.6 | 10.4 | 0.0\% | 33,907.4 | 11.6 | 0.0\% | 33,903.9 | 15.0 | 0.0\% | 33,901.6 | 17.4 | 0.1\% | 33,898.1 | 20.8 | 0.1\% | ${ }^{33,89598}$ | ${ }^{23.1}$ | 0.1\% |
| ME5 | 335122 | 2011 | Wet | January | - | 14,197.9 | 14,188.7 | 9.3 | ${ }^{0.1 \%}$ | 14,187.5 | 10.4 | 0.1\% | 14,185.2 | 12.7 | ${ }^{0.1 \%}$ | 14,181.7 | 16.2 | ${ }^{0.1 \%}$ | $14,179.4$ 20,7917 | 18.5 | 0.1\% | $14,177.1$ 20,7894 | 20.8 185 | 0.1\% |
| ME 5 ME5 | 335122 | 2011 | Wet | February |  | 20,807.9 | 20,799.8 | 8.1 | 0.0\% | 20,798.6 | 9.3 | 0.0\% | 20,796.3 | 11.6 | 0.1\% | 20,794.0 | 13.9 | 0.1\% | 20,791.7 | 16.2 | 0.1\% | 20,789.4 | 18.5 | 0.1\% |
| ME5 | 335122 | 2011 | Wet | April | -- | 24,850.7 | $24,842.6$ | 8.1 | 0.0\% | 24,841.4 | ${ }_{9}^{8.3}$ | 0.0\% | 24,839.1 | 11.6 | 0.0\% | 24,836.8 | 13.9 | 0.1\% | 24,834.5 | 16.2 | 0.1\% | 24,832.2 | ${ }^{18.5}$ | 0.1\% |
| ME5 | 335122 | 2011 | Wet | May | -- | 11,407.1 | 11,391.4 | 15.6 | 0.1\% | 11,389.2 | 17.8 | 0.2\% | 11,384.6 | 22.5 | 0.2\% | 11,380.1 | 27.0 | 0.2\% | 11,375.6 | 31.5 | 0.3\% | 11,371.1 | 36.0 | 0.3\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
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\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \& \multirow[b]{2}{*}{Model Cell (Row, Column, Surface Water Reach)} \& \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Water Year Water Year Type}} \& \multirow[b]{2}{*}{Month} \& \multirow[b]{2}{*}{Note} \& \multirow[b]{2}{*}{Flow Without Pumping (cfs)} \& \multicolumn{3}{|c|}{75\% Pumping Increase} \& \multicolumn{3}{|c|}{100\% Pumping Increase} \& \multicolumn{3}{|c|}{150\% Pumping Increase} \& \multicolumn{3}{|c|}{200\% Pumping Increase} \& \multicolumn{3}{|c|}{250\% Pumping Increase} \& \multicolumn{3}{|c|}{300\% Pumping Increase} \\
\hline Surface Water Depletion Area Area of Interes \& \& \& \& \& \& \& Flow (ffs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent Difference \& Flow (cts) \& Flow
Difference (cfs) \& Percent Difference \& Flow (ffs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (ffs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\underset{\substack{\text { Difow } \\ \text { Diference } \\ \text { (ffs) }}}{\substack{\text { con }}}
\] \& Percent
Difference \& Flow (ffs) \& Flow
Difference (cfs) \& Percent
Difference \& Flow (ffs) \& \[
\begin{gathered}
\text { Filow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \\
\hline ME5 \& 335122 \& 2017 \& Wet \& October \& Used in Summary Table Analysis \& 18,366.9 \& 18,351.9 \& 15.0 \& 0.1\% \& 18,349.5 \& 17.4 \& 0.1\% \& 18,344.9 \& 22.0 \& 0.1\% \& 18,340.3 \& 26.6 \& 0.1\% \& 18,35.6 \& 31.3 \& 0.2\% \& 18,331.0 \& 35.9 \& 0.2\% \\
\hline ME5 \& 335122 \& 2017 \& Wet \& November \& Used in Summary Table Analysis \& 18,914.4 \& 18,902.8 \& 11.6 \& 0.1\% \& 18,901.6 \& 12.7 \& 0.1\% \& 18,898.1 \& 16.2 \& 0.1\% \& 18,894.7 \& 19.7 \& 0.1\% \& 18,891.2 \& 23.1 \& 0.1\% \& 18,887.7 \& 26.6 \& 0.1\% \\
\hline ME5 \& 335122 \& 2017 \& Wet \& December - \& \& 24,253.5 \& 24,243.1 \& 10.4 \& 0.0\% \& 24,241.9 \& 11.6 \& 0.0\% \& 24,238.4 \& 15.0 \& 0.1\% \& 24,235.0 \& 18.5 \& 0.1\% \& 24,232.6 \& 20.8 \& 0.1\% \& 24,229.2 \& 24.3 \& 0.1\% \\
\hline ME5 \& 335122 \& 2017 \& Wet \& January \& -- \& 107,313.7 \& 107,304.4 \& 9.3 \& 0.0\% \& 107,303.2 \& 10.4 \& 0.0\% \& 107,30.9 \& 12.7 \& 0.0\% \& 107,297.5 \& 16.2 \& 0.0\% \& 107,295,1 \& 18.5 \& 0.0\% \& 107,291.7 \& 22.0 \& 0.0\% \\
\hline ME 5 \& 335122 \& 2017 \& Wet \& February \& \& 82,079.9 \& 82,071.8 \& 8.1 \& 0.0\% \& 82,070.6 \& 9.3 \& 0.0\% \& 82,068.3 \& 11.6 \& 0.0\% \& 82,064.8 \& 15.0 \& 0.0\% \& 82,062.5 \& 17.4 \& 0.0\% \& 82,060.2 \& 19.7 \& 0.0\% \\
\hline ME 5 \& 335122 \& 2017 \& Wet \& March \& - \& 27,351.9 \& 27,343.8 \& 8.1 \& 0.0\% \& 27,342.6 \& 9.3 \& 0.0\% \& 27,339.1 \& 12.7 \& 0.0\% \& 27,336.8 \& 15.0 \& 0.1\% \& 27,334.5 \& 17.4 \& 0.1\% \& 27,33,3 \& 18.5 \& 0.1\% \\
\hline ME5 \& 335122 \& 2017 \& Wet \& April \& - \& 23,018.5 \& 23,010.4 \& 8.1 \& 0.0\% \& 23,009.3 \& 9.3 \& 0.0\% \& 23,008.1 \& 10.4 \& 0.0\% \& 23,005.8 \& 12.7 \& 0.1\% \& 23,003.5 \& 15.0 \& 0.1\% \& 23,001.2 \& 17.4 \& 0.1\% \\
\hline ME5 \& 335122 \& 2017 \& Wet \& May \& - \& 6,276.6 \& 6,266.7 \& 10.0 \& 0.2\% \& 6,265.3 \& 11.3 \& 0.2\% \& 6,262.5 \& 14.1 \& 0.2\% \& 6,259.6 \& 17.0 \& 0.3\% \& 6,256.7 \& 19.9 \& 0.3\% \& 6,253.8 \& 22.8 \& 0.4\% \\
\hline ME 5 \& 335122 \& 2017 \& wet \& June \& - \& 2,127.1 \& 2,108.0 \& 19.1 \& 0.9\% \& 2,105.2 \& 21.9 \& 1.0\% \& 2,099.8 \& 27.3 \& 1.3\% \& 2,094.3 \& 32.8 \& 1.5\% \& 2,089.0 \& 38.1 \& 1.8\% \& 2,083.6 \& 43.5 \& 2.0\% \\
\hline ME5 \& 335122 \& 2017 \& Wet \& July \& - \& 940.5 \& 919.6 \& 20.9 \& 2.2\% \& 916.7 \& 23.9 \& 2.5\% \& 910.7 \& 29.8 \& 3.2\% \& 904.8 \& 35.8 \& 3.8\% \& 898.9 \& 41.7 \& 4.4\% \& 893.0 \& 47.6 \& 5.1\% \\
\hline ME5 \& 335122 \& 2017 \& wet \& August \& -- \& 512.6 \& 492.2 \& 20.4 \& 4.0\% \& 489.3 \& 23.3 \& 4.5\% \& 483.5 \& 29.1 \& 5.7\% \& 477.7 \& 34.9 \& 6.8\% \& 471.9 \& 40.7 \& 7.9\% \& 466.1 \& 46.4 \& 9.1\% \\
\hline ME5 \& 335122 \& 2017 \& Wet \& September \& Used in Summary Table Analysis \& 327.7 \& 308.8 \& 18.9 \& 5.8\% \& 306.1 \& 21.6 \& 6.6\% \& 300.7 \& 27.0 \& 8.2\% \& 295.3 \& 32.3 \& 9.9\% \& 290.0 \& 37.7 \& 11.5\% \& 284.6 \& \begin{tabular}{l}
43.1 \\
\hline 3.5
\end{tabular} \& 13.2\% \\
\hline ME5 \& 335122 \& 2018 \& Above Normal \& October \& Used in Summary Table Analysis \& 280.3 \& 265.3 \& 15.0 \& 5.4\% \& 263.1 \& 17.2 \& 6.1\% \& 258.8 \& 21.5 \& 7.7\% \& 254.5 \& 25.9 \& 9.2\% \& 250.2 \& 30.2 \& 10.8\% \& 245.8 \& 34.5 \& 12.3\% \\
\hline ME 5 \& 335122 \& 2018 \& Above Normal \& November \& Used in Summary Table Analysis \& 10,882.4 \& 10,870.6 \& 11.8 \& 0.1\% \& 10,868.9 \& 13.5 \& 0.1\% \& 10,865.5 \& 16.9 \& 0.2\% \& 10,862.0 \& 20.4 \& 0.2\% \& 10,858.6 \& 23.8 \& 0.2\% \& 10,85.1 \& 27.3 \& 0.3\% \\
\hline ME5 \& 335122 \& 2018 \& Above Normal \& December - \& \& 5,455.0 \& 5,444.9 \& 10.1 \& 0.2\% \& 5,443.5 \& 11.5 \& 0.2\% \& 5,400.6 \& 14.4 \& 0.3\% \& 5,437.7 \& 17.2 \& 0.3\% \& 5,434.7 \& 20.3 \& 0.4\% \& 5,431.7 \& 23.3 \& 0.4\% \\
\hline ME5 \& 335122 \& 2018 \& Above Normal \& January \& -- \& 17,937.5 \& 17,988.2 \& 9.3 \& 0.1\% \& 17,927.1 \& 10.4 \& 0.1\% \& 17,923.6 \& 13.9 \& 0.1\% \& 17,921.3 \& 16.2 \& 0.1\% \& 17,9919.0 \& 18.5 \& 0.1\% \& 17,916.7 \& 20.8 \& 0.1\% \\
\hline ME5 \& 335122 \& 2018 \& Above Normal \& February \& -- \& 7,605.6 \& 7,597.6 \& 8.0 \& 0.1\% \& 7,596.4 \& 9.1 \& 0.1\% \& 7,594.0 \& 11.6 \& 0.2\% \& 7,591.7 \& 13.9 \& 0.2\% \& 7,589.2 \& 16.3 \& 0.2\% \& 7,586.8 \& 18.8 \& 0.2\% \\
\hline ME5 \& 335122 \& 2018 \& Above Normal \& March \& - \& 20,800.9 \& 20,792.8 \& 8.1 \& 0.0\% \& 20,791.7 \& 9.3 \& 0.0\% \& 20,789.4 \& 11.6 \& 0.1\% \& 20,787.0 \& 13.9 \& 0.1\% \& 20,744,7 \& 16.2 \& 0.1\% \& 20,782.4 \& 18.5 \& 0.1\% \\
\hline ME 5 \& 335122 \& 2018 \& Above Normal \& April \& - \& 32,319.4 \& 32,312.5 \& 6.9 \& 0.0\% \& 32,311.3 \& 8.1 \& 0.0\% \& 32,309.0 \& 10.4 \& 0.0\% \& 32,307.9 \& 11.6 \& 0.0\% \& 32,305,6 \& 13.9 \& 0.0\% \& 32,303.2 \& 16.2 \& 0.1\% \\
\hline ME5 \& 335122 \& 2018 \& Above Normal \& May \& - \& 6,993.5 \& 6,978.6 \& 14.9 \& 0.2\% \& 6,976.4 \& 17.1 \& 0.2\% \& 6,972.1 \& 21.4 \& 0.3\% \& 6,967.8 \& 25.7 \& 0.4\% \& 6,963.5 \& 30.0 \& 0.4\% \& 6,959.6 \& 33.9 \& 0.5\% \\
\hline ME 5 \& 335122 \& 2018 \& Above Normal \& June \& - \& 1,918.8 \& 1,899.4 \& 19.3 \& 1.0\% \& 1,896.6 \& 22.1 \& 1.2\% \& 1,891.2 \& 27.5 \& 1.4\% \& 1,885.8 \& 33.0 \& 1.7\% \& 1,880.2 \& 38.5 \& 2.0\% \& 1,874.8 \& 44.0 \& 2.3\% \\
\hline ME5 \& 335122 \& 2018 \& Above Normal \& July \& - \& 786.4 \& 765.4 \& 21.0 \& 2.7\% \& 762.4 \& 24.0 \& 3.1\% \& 756.5 \& 30.0 \& 3.8\% \& 750.5 \& 36.0 \& 4.6\% \& 744.5 \& 42.0 \& 5.3\% \& 738.5 \& 47.9 \& 6.1\% \\
\hline ME5 \& 335122 \& 2018 \& Above Normal \& August \& -- \& 447.5 \& 427.9 \& 19.6 \& 4.4\% \& 425.1 \& 22.4 \& 5.0\% \& 419.5 \& 28.0 \& 6.3\% \& 413.9 \& 33.6 \& 7.5\% \& 408.3 \& 39.3 \& 8.8\% \& 402.7 \& 44.9 \& 10.0\% \\
\hline ME 5 \& 335122 \& 2018 \& Above Normal \& September \& Used in Summary Table Analysis \& 304.5 \& 285.6 \& 18.9 \& 6.2\% \& 282.9 \& 21.6 \& 7.1\% \& 277.5 \& 27.0 \& 8.9\% \& 272.1 \& 32.4 \& 10.6\% \& 266.7 \& 37.8 \& 12.4\% \& 261.3 \& 43.2 \& 14.2\% \\
\hline ME5 \& 335122 \& 2019 \& Below Normal \& Octaber \& Used in Summary Table Analysis \& 211.3 \& 196.6 \& 14.8 \& 7.0\% \& 194.5 \& 16.9 \& 8.0\% \& 190.2 \& 21.1 \& 10.0\% \& 185.8 \& 25.5 \& 12.1\% \& 181.7 \& 29.7 \& 14.0\% \& 177.4 \& 33.9 \& 16.0\% \\
\hline ME5 \& 335122 \& 2019 \& Below Normal \& November \& Used in Summary Table Analysis \& 6,883.2 \& 6,671.4 \& 11.8 \& 0.2\% \& 6,669.7 \& 13.5 \& 0.2\% \& 6,666.2 \& 17.0 \& 0.3\% \& 6,662.7 \& 20.5 \& 0.3\% \& 6,659.3 \& 24.0 \& 0.4\% \& 6,655.8 \& 27.4 \& 0.4\% \\
\hline ME5 \& 335122 \& 2019 \& Below Normal \& December - \& -- \& 14,767.4 \& 14,756.9 \& 10.4 \& 0.1\% \& 14,755.8 \& 11.6 \& 0.1\% \& 14,752.3 \& 15.0 \& 0.1\% \& 14,750.0 \& 17.4 \& 0.1\% \& 14,746.5 \& 20.8 \& \({ }^{0.1 \%}\) \& 14,743.1 \& 24.3 \& \({ }^{0.2 \%}\) \\
\hline ME5 \& 335122 \& 2019 \& Below Normal \& January \& -- \& 35,425.9 \& 35,416.7 \& 9.3 \& 0.0\% \& 35,415.5 \& 10.4 \& 0.0\% \& 35,412.0 \& 13.9 \& 0.0\% \& 35,409.7 \& 16.2 \& 0.0\% \& 35,407.4 \& 18.5 \& 0.1\% \& 35,405.1 \& 20.8 \& 0.1\% \\
\hline ME5 \& 335122 \& 2019 \& Below Normal \& February - \& -- \& 142,141.2 \& 142,129.6 \& 11.6 \& 0.0\% \& 142,129.6 \& 11.6 \& 0.0\% \& 142,129.6 \& 11.6 \& 0.0\% \& 142,129.6 \& 11.6 \& 0.0\% \& 142,118.1 \& 23.1 \& 0.0\% \& 142,118.1 \& 23.1 \& 0.0\% \\
\hline ME5 \& 335122 \& 2019 \& Below Normal \& March \& -- \& 42,434.0 \& 42,427.1 \& 6.9 \& 0.0\% \& 42,425.9 \& 8.1 \& 0.0\% \& 42,423.6 \& 10.4 \& 0.0\% \& 42,421.3 \& 12.7 \& 0.0\% \& 42,420.1 \& 13.9 \& 0.0\% \& 42,417.8 \& 16.2 \& 0.0\% \\
\hline ME 5 \& 335122 \& 2019 \& Below Normal \& April \& - \& 15,305.6 \& 15,298.6 \& 6.9 \& 0.0\% \& 15,297.5 \& 8.1 \& 0.1\% \& 15,295.1 \& 10.4 \& 0.1\% \& 15,292.8 \& 12.7 \& 0.1\% \& 15,290.5 \& 15.0 \& 0.1\% \& 15,288.2 \& 17.4 \& 0.1\% \\
\hline ME5 \& 335122 \& 2019 \& Below Normal \& May \& - \& 17,098.4 \& 17,082.2 \& 16.2 \& 0.1\% \& 17,079.9 \& 18.5 \& 0.1\% \& 17,075.2 \& \({ }^{23.1}\) \& 0.1\% \& 17,070.6 \& 27.8 \& 0.2\% \& 17,066.0 \& 32.4 \& 0.2\% \& 17,061.3 \& 37.0 \& 0.2\% \\
\hline ME5 \& 335122 \& 2019 \& Below Normal \& June \& \& 4,244.1 \& 4,223.3 \& 20.8 \& 0.5\% \& 4,220.3 \& 23.8 \& 0.6\% \& 4,214.5 \& 29.6 \& 0.7\% \& 4,208.8 \& 35.3 \& 0.8\% \& 4,203.1 \& 41.0 \& 1.0\% \& 4,197.6 \& 46.5 \& 1.1\% \\
\hline ME5 \& 335122 \& 2019 \& Below Normal \& July \& - \& 1,367.6 \& 1,346.5 \& 21.1 \& 1.5\% \& 1,343.5 \& 24.1 \& 1.8\% \& 1,337.5 \& 30.1 \& 2.2\% \& 1,331.5 \& 36.1 \& 2.5\% \& 1,325.5 \& 42.1 \& 3.1\% \& 1,319.6 \& 48.0 \& 3.5\% \\
\hline ME5 \& 335122 \& 2019 \& Below Normal \& August \& -- \& 602.3 \& 582.1 \& 20.2 \& 3.3\% \& 579.2 \& 23.1 \& 3.8\% \& 573.4 \& 28.8 \& 4.8\% \& 567.7 \& 34.5 \& 5.7\% \& 562.0 \& 40.3 \& 6.7\% \& 556.3 \& 46.0 \& 7.6\% \\
\hline ME5 \& 335122 \& 2019 \& Below Normal \& September \& Used in Summary Table Analysis \& 467.5 \& 448.7 \& 18.8 \& 4.0\% \& 446.0 \& 21.5 \& 4.6\% \& 440.6 \& 26.9 \& 5.7\% \& 435.3 \& 32.2 \& 6.9\% \& 429.9 \& 37.6 \& 8.1\% \& 424.5 \& 43.0 \& 9.2\% \\
\hline ME5 5 \& 335122 \& 2020 \& Dry \& October \& Used in Summary Table Analysis \& 359.4 \& 345.2 \& 14.2 \& 4.0\% \& 343.1 \& 16.3 \& 4.5\% \& 339.0 \& 20.4 \& 5.7\% \& 334.9 \& 24.5 \& 6.8\% \& 330.8 \& 28.7 \& 8.0\% \& 326.6 \& 32.8 \& 9.1\% \\
\hline ME5 \& 335122 \& 2020 \& Dry \& November \& Used in Summary Table Analysis \& 326.7 \& 315.5 \& 11.2 \& 3.4\% \& 313.9 \& 12.9 \& 3.9\% \& 310.6 \& 16.2 \& 4.9\% \& 307.3 \& 19.4 \& 5.9\% \& 304.0 \& \({ }^{22.7}\) \& 7.0\% \& 300.7 \& 26.0 \& 8.0\% \\
\hline M \(5_{5}\) \& \(\begin{array}{r}335122 \\ 335122 \\ \hline\end{array}\) \& 2020 \& Dry \& December - \& -- \& \(13,432.9\)
224468 \& \(\begin{array}{r}13,422.5 \\ \hline 224375\end{array}\) \& 10.4 \& 0.1\% \& \begin{tabular}{l}
\(13,421.3\) \\
\\
22 \\
\hline 1463
\end{tabular} \& 11.6 \& 0.1\% \& \(13,417.8\)
22,4329 \& 15.0 \& 0.1\% \& \begin{tabular}{l}
\(13,415.5\) \\
\hline 2,436
\end{tabular} \& 17.4 \& 0.1\% \&  \& 20.8
185 \& \({ }^{0.2 \%}\) \& \(13,409.7\)

22,424 \& 23.1 \& ${ }^{0.2 \%}$ <br>
\hline ME5 \& 335122 \& 2020 \& Dry \& January \& \& 22,446.8 \& 22,437.5 \& 9.3 \& 0.0\% \& 22,436.3 \& 10.4 \& 0.0\% \& 22,432.9 \& 13.9 \& 0.1\% \& 22,430.6 \& 16.2 \& 0.1\% \& 22,428.2 \& ${ }_{18.5}^{18.5}$ \& ${ }^{0.1 \%}$ \& 22,424.8 \& 22.0 \& ${ }^{0.1 \%}$ <br>
\hline ME5 \& 335122 \& 2020 \& Dry \& February \& -- \& 7,420.4 \& 7,412.2 \& 8.2 \& 0.1\% \& 7,410.9 \& 9.5 \& 0.1\% \& 7,408.4 \& 11.9 \& 0.2\% \& 7,406.0 \& 14.4 \& 0.2\% \& 7,403.6 \& 16.8 \& 0.2\% \& 7,401.2 \& 19.2 \& 0.3\% <br>
\hline ME5 5 \& 335122
335122 \& 2020 \& Dry \& March \& -- \& ${ }^{7,2655}$ \& 7,257.9 \& 7.8 \& 0.1\% \& 7,256.8 \& ${ }^{8.8}$ \& 0.1\% \& 7,254.5 \& 11.1 \& 0.2\% \& $7,252.2$
5 \& 13.4 \& ${ }^{0.2 \%}$ \& 7,24999 \& 15.7 \& 0.2\% \& $7,247.6$
57403 \& 18.1 \& 0.2\% <br>
\hline ME5 \& 335122 \& 2020 \& Dry \& April \& - \& 5,506.5 \& 5,490.7 \& 15.7 \& 0.3\% \& 5,488.4 \& 18.1 \& 0.3\% \& 5,483.9 \& 22.6 \& 0.4\% \& 5,479.4 \& 27.1 \& 0.5\% \& 5,474.8 \& 31.7
381 \& ${ }^{0.6 \%}$ \& 5,470.3 \& 36.2
43.4 \& ${ }^{0.7 \%}$ <br>

\hline ME5 \& | 335122 |
| :--- |
| 335122 | \& 2020 \& Dry \& May \& - \& $7,406.9$

, 2058 \& | $7,388.0$ |
| :--- |
| , 8810 | \& 19.0

24.8 \& 0.3\% \& | $7,385.3$ |
| :--- |
| 2077 | \& 21.6

28.2 \& 0.3\% \& | $7,379.9$ |
| :--- |
| 20708 | \& 27.1

350 \& 0.4\% \& $7,374.3$
2,064, \& ${ }_{417}^{32.6}$ \& 0.4\% \& $7,368.9$
20573 \& 38.1
485 \& 0.5\%

23\% \& \begin{tabular}{l}
$7,363.5$ <br>
\hline, 0506

 \& 

43.4 <br>
55. <br>
\hline
\end{tabular} \& 0.6\% <br>

\hline ME5 \& 335122 \& 2020 \& Dry \& June \& - \& 2,105.8 \& 2,081.0 \& 24.8 \& 1.2\% \& 2,077.5 \& 28.2 \& 1.3\% \& 2,070.8 \& 35.0 \& 1.7\% \& 2,064.1 \& 41.7 \& 2.0\% \& 2,057.3 \& 48.5 \& 2.3\% \& 2,050.6 \& 55.2 \& | $2.6 \%$ |
| :--- |
| $7.0 \%$ | <br>

\hline ME5
ME5 \& $\begin{array}{r}335122 \\ 335122 \\ \hline\end{array}$ \& 2020 \& Dry \& July
August \& -- \& 800.1 \& 775.6
378.7 \& 24.5 \& $3.1 \%$
$6.0 \%$ \& 772.1
375.3 \& 28.0
27.7 \& $3.5 \%$
$6.9 \%$
6, \& 765.1
368.3 \& 35.0
34.6 \& ${ }^{4.46 \%}$ \& 758.1
361.4 \& $4{ }^{42.5}$ \& 5.3\%
10.3\% \& 751.1
354.5 \& 48.5 \& 6.12\% \& 744.1
347.6 \& 56.0
55.4 \& 7.0\%
13.7\% <br>
\hline ME5 \& 335122
335122 \& 2020 \& Dry \& ${ }_{\text {September }}^{\text {Augut }}$ \& Used in Summary Table Analysis \& 252.2 \& 230.4 \& 21.8
24.8 \& 8.6\% \& ${ }_{227.3}$ \& 24.9 \& 9.9\% \& 220.2 \& 32.0 \& 12.7\% \& 21.7 \& 38.5 \& 15.3\% \& 206.9 \& 45.3 \& 17.9\% \& 200.3 \& 51.9 \& 20.6\% <br>
\hline ME5 \& 335023 \& 2000 \& Above Normal \& October \& Used in Summary Table Analysis \& 824.4 \& 809.5 \& 14.8 \& 1.8\% \& 807.4 \& 17.0 \& 2.1\% \& 803.2 \& 21.2 \& 2.6\% \& 798.9 \& 25.5 \& 3.1\% \& 794.6 \& 29.8 \& 3.6\% \& 790.3 \& 34.0 \& 4.1\% <br>
\hline ME 5 \& 335023 \& 2000 \& Above Normal \& November \& Used in Summary Table Analysis \& 12,250.0 \& 12,237.3 \& 12.7 \& 0.1\% \& 12,236.1 \& 13.9 \& 0.1\% \& 12,232.6 \& 17.4 \& 0.1\% \& 12,229.2 \& 20.8 \& 0.2\% \& 12,225.7 \& 24.3 \& 0.2\% \& 12,222.2 \& 27.8 \& 0.2\% <br>
\hline ME5 \& 335023 \& 2000 \& Above Normal \& December \& \& 10,880.6 \& 10,870.5 \& 10.1 \& 0.1\% \& 10,869.1 \& 11.5 \& 0.1\% \& 10,866.1 \& 14.5 \& 0.1\% \& 10,863.1 \& 17.5 \& 0.2\% \& 10,880.2 \& 20.4 \& 0.2\% \& 10,857.2 \& 23.4 \& 0.2\% <br>

\hline ME5 \& 335023 \& 2000 \& Above Normal \& January \& -- \& 28,795.1 \& 28,785.9 \& 9.3 \& 0.0\% \& 28,784.7 \& 10.4 \& 0.0\% \& 28,782.4 \& 12.7 \& 0.0\% \& 28,778.9 \& 16.2 \& ${ }^{0.1 \%}$ \& | $28,776.6$ |
| :--- |
| 77678 | \& 18.5 \& 0.1\% \& $28,774.3$

371655 \& 20.8
18.5 \& 0.1\% <br>
\hline ME5 \& 335023 \& 2000 \& Above Normal \& February \& \& 37,184.0 \& 37,175.9 \& 8.1 \& 0.0\% \& 37,174.8 \& 9.3 \& 0.0\% \& 37,172.5 \& 11.6 \& 0.0\% \& 37,170.1 \& 13.9 \& 0.0\% \& 37,167.8 \& 16.2 \& 0.0\% \& 37,165.5 \& 18.5 \& 0.0\% <br>
\hline ME5 5 \& 335023 \& 2000 \& Above Normal \& March \& - \& 18,360.0 \& 18,353.0 \& ${ }_{6}^{6.9}$ \& 0.0\% \& 18,351.9 \& 8.1

81 \& 0.0\% \& | $18,349.5$ |
| :--- |
| 12388 | \& 10.4

10.4 \& 0.1\% \& $18,347.2$
12356
7,356 \& 12.7 \& 0.1\% \& $18,344.9$
12333 \& 15.0
15.0 \& 0.1\%
$0.1 \%$ \& $18,342.6$
12.331 .0 \& 17.4
17.4 \& 0.1\% <br>
\hline ME5 \& 335023 \& 2000 \& Above Normal \& April \& - \& 12,348.4 \& 12,341.4 \& 6.9 \& 0.1\% \& 12,340.3 \& 8.1 \& 0.1\% \& 12,338.0 \& 10.4 \& 0.1\% \& 12,335.6 \& 12.7 \& 0.1\% \& 12,333, ${ }^{\text {7, }}$ \& 15.0 \& 0.1\% \& 12,331.0 \& 17.4 \& 0.1\% <br>
\hline ME5
ME5 \& $\begin{array}{r}335023 \\ 335023 \\ \hline\end{array}$ \& 2000 \& Above Normal
Above Normal \& May \& $\cdots$ \& $7,123.0$
26227 \& 7,107.8
2.599 .9 \& 15.3
22.8 \& $0.2 \%$
$0.9 \%$
0. \& 7,105.6
$2,596.5$ \& 17.5
26.2 \& 0.2\% \& 7,101.0
2,590.0 \& 22.0
32.6 \& ${ }^{0.3 \%}$ \& $7,096.6$
2,583.6 \& 26.4
39.1 \& - ${ }_{\text {0.4\% }}$ \& 7,092.2
2,57.1 \& 30.8
45.6 \& 0.4\%
1.7\% \& 7,087.7
2,570.5 \& 35.3
52.2 \& 0.5\%
2.0\% <br>
\hline ME5 \& 335023
335023 \& 2000 \& Above Normal \& June \& $\cdots$ \& 7,1232.7
997.4 \& ${ }_{9}^{2,596.9}$ \& 20.9 \& 2.1\% \& 7, $2,596.5$
973.5 \& 23.9 \& 2.4\% \& ${ }_{9}^{2,567.5}$ \& 22.9
29.9 \& 3.0\% \& 2,
961.651 .6 \& 35.8 \& 3.6\% \& 955.7 \& 41.7 \& 4.2\% \& 9498 \& 47.6 \& 4.8\% <br>
\hline ME5 \& 335023 \& 2000 \& Above Normal \& August \& -- \& 527.9 \& 508.1 \& 19.7 \& 3.7\% \& 505.3 \& 22.6 \& 4.3\% \& 49.7 \& 28.2 \& 5.3\% \& 494.1 \& 33.8 \& 6.4\% \& 488.5 \& 39.4 \& 7.5\% \& 482.9 \& 45.0 \& 8.5\% <br>
\hline ME 5 \& 335023 \& 2000 \& Above Normal \& September \& Used in Summary Table Analysis \& 300.6 \& 283.0 \& 17.6 \& 5.8\% \& 280.5 \& 20.1 \& 6.7\% \& 275.5 \& 25.1 \& 8.4\% \& 270.4 \& 30.1 \& 10.0\% \& 265.4 \& 35.2 \& 11.7\% \& 260.4 \& 40.2 \& 13.4\% <br>
\hline ME5 \& 335023 \& 2001 \& Dry \& October \& Used in Summary Table Analysis \& 3,846.3 \& 3,831.7 \& 14.6 \& 0.4\% \& 3,829.6 \& 16.7 \& 0.4\% \& 3,825.3 \& 20.9 \& 0.5\% \& 3,821.2 \& 25.1 \& 0.7\% \& 3,817.0 \& 29.3 \& 0.8\% \& 3,812.7 \& 33.6 \& 0.9\% <br>
\hline ME5 \& 335023 \& 2001 \& Dry \& November \& Used in Summary Table Analysis \& 6,174.0 \& 6,162.2 \& 11.8 \& 0.2\% \& 6,160.4 \& 13.5 \& 0.2\% \& 6,157.1 \& 16.9 \& 0.3\% \& 6,153.7 \& 20.3 \& 0.3\% \& 6,150.3 \& 23.6 \& 0.4\% \& 6,146.9 \& 27.1 \& 0.4\% <br>
\hline ME5 \& 335023 \& 2001 \& Dry \& December - \& \& 8,888.5 \& 8,878.4 \& 10.2 \& 0.1\% \& 8,876.9 \& 11.7 \& 0.1\% \& 8,874.0 \& 14.6 \& 0.2\% \& 8,870.9 \& 17.6 \& 0.2\% \& 8,868.1 \& 20.5 \& 0.2\% \& 8,885.0 \& 23.5 \& 0.3\% <br>
\hline ME5 \& 335023 \& 2001 \& Dry \& January \& \& 12,885.4 \& 12,876.2 \& 9.3 \& 0.1\% \& 12,875.0 \& 10.4 \& 0.1\% \& 12,872.7 \& 12.7 \& 0.1\% \& 12,870.4 \& 15.0 \& 0.1\% \& 12,866.9 \& 18.5 \& 0.1\% \& 12,864.6 \& 20.8 \& 0.2\% <br>
\hline
\end{tabular}

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Month | Note | Without <br> Pumping <br> (cfs) | Flow (ffs) | $\begin{gathered} \text { Fow } \\ \begin{array}{c} \text { Fifference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{aligned} & \text { Fiow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Diffow } \\ & \text { Difference } \end{aligned}$ (ffs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Diflow } \\ \begin{array}{c} \text { Diference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfss) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Fiffow } \\ \begin{array}{c} \text { Diffence } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| ME 5 | 335023 | 2001 | Dry | February | -- | 17,531.3 | 17,523.1 | 8.1 | 0.0\% | 17,522.0 | 9.3 | 0.1\% | 17,519.7 | 11.6 | 0.1\% | 17,517.4 | 13.9 | 0.1\% | 17,515.0 | 16.2 | 0.1\% | 17,512.7 | 18.5 | 0.1\% |
| ME5 | 335023 | 2001 | Dry | March |  | 12,327.5 | 12,319.4 | 8.1 | 0.1\% | 12,319.4 | 8.1 | 0.1\% | 12,317.1 | 10.4 | 0.1\% | 12,314.8 | 12.7 | 0.1\% | 12,312.5 | 15.0 | 0.1\% | 12,310.2 | 17.4 | 0.1\% |
| ME5 | 335023 | 2001 | Dry | April | - | 11,004.3 | 10,988.4 | 15.9 | 0.1\% | 10,986.2 | 18.1 | 0.2\% | 10,981.7 | 22.6 | 0.2\% | 10,977.1 | 27.2 | 0.2\% | 10,972.6 | 31.7 | 0.3\% | 10,967.9 | 36.3 | 0.3\% |
| ME 5 | 335023 | 2001 | Dry | May | - | 2,638.0 | 2,619.3 | 18.6 | 0.7\% | 2,616.7 | 21.3 | 0.8\% | 2,611.2 | 26.7 | 1.0\% | 2,605.9 | 32.1 | 1.2\% | 2,600.5 | 37.5 | ${ }^{1.4 \%}$ | 2,595.1 | ${ }^{42.8}$ | 1.6\% |
| ME5 | 335023 | 2001 | Dry | June | - | 2,669.1 | 2,643.5 | 25.6 | 1.0\% | 2,639.9 | 29.2 | 1.1\% | 2,632.6 | 36.5 | 1.4\% | 2,625.5 | 43.6 | 1.5\% | 2,618.2 | 50.9 | 1.9\% | 2,611.0 | 58.1 | 2.2\% |
| ME5 | 335023 | 2001 | Dry | July | - | 721.2 | 697.1 | 24.1 | 3.3\% | 693.6 | 27.6 | 3.8\% | 686.8 | 34.4 | 4.8\% | 680.0 | 41.3 | 5.7\% | 673.1 | 48.1 | 6.7\% | 666.3 | 54.9 | 7.6\% |
| ME5 | 335023 | 2001 | Dry | August | -- | 176.9 | 153.4 | 23.6 | 13.3\% | 150.0 | 27.0 | 15.2\% | 143.3 | 33.7 | 19.0\% | 136.6 | 40.4 | 22.8\% | 129.9 | 47.1 | 26.6\% | 123.1 | 53.8 | 30.4\% |
| ME5 | 335023 | 2001 | Dry | September | Used in Summary Table Analysis | 100.2 | 79.0 | 21.2 | 21.2\% | 76.0 | 24.2 | 24.2\% | 69.9 | 30.3 | 30.2\% | 63.9 | 36.3 | 36.2\% | 57.9 | 42.3 | 42.2\% | 51.8 | 48.4 | 48.3\% |
| ME5 | 335023 | 2002 | Below Normal | October | Used in Summary Table Analysis | 270.5 | 252.6 | 17.9 | 6.6\% | 250.1 | 20.4 | 7.5\% | 244.9 | 25.6 | 9.4\% | 239.8 | 30.7 | 11.3\% | 234.7 | 35.8 | 13.2\% | 229.5 | 40.9 | 15.1\% |
| ME5 | 335023 | 2002 | Below Normal | November | Used in Summary Table Analysis | 12,092.6 | 12,078.7 | 13.9 | 0.1\% | 12,076.4 | 16.2 | 0.1\% | 12,071.8 | 20.8 | 0.2\% | 12,068.3 | 24.3 | 0.2\% | 12,063.7 | 28.9 | 0.2\% | 12,060.2 | 32.4 | 0.3\% |
| ME5 | 335023 | 2002 | Below Normal | December - | -- | 35,879.6 | 35,86.9 | 12.7 | 0.0\% | 35,865.7 | 13.9 | 0.0\% | 35,862.3 | 17.4 | 0.0\% | 35,858.8 | 20.8 | 0.1\% | 35,854.2 | 25.5 | 0.1\% | 35,850.7 | 28.9 | 0.1\% |
| ME5 | 335023 | 2002 | Below Normal | January |  | 31,001.2 | 30,990.7 | 10.4 | 0.0\% | 30,989.6 | 11.6 | 0.0\% | 30,986.1 | 15.0 | 0.0\% | 30,982.6 | 18.5 | 0.1\% | 30,979.2 | 22.0 | 0.1\% | 30,976.9 | 24.3 | 0.1\% |
| ME5 | 335023 | 2002 | Below Normal | February | -- | 24,751.2 | 24,741.9 | 9.3 | 0.0\% | 24,740.7 | 10.4 | 0.0\% | 24,737.3 | 13.9 | 0.1\% | 24,735.0 | 16.2 | 0.1\% | 24,731.5 | 19.7 | 0.1\% | 24,729.2 | 22.0 | 0.1\% |
| ME5 | 335023 | 2002 | Below Normal | March | -- | 17,836.8 | 17,827.5 | 9.3 | 0.1\% | 17,826.4 | 10.4 | 0.1\% | 17,824.1 | 12.7 | 0.1\% | 17,820.6 | 16.2 | 0.1\% | 17,818.3 | 18.5 | 0.1\% | 17,816.0 | 20.8 | 0.1\% |
| ME5 | 335023 | 2002 | Below Normal | April | - | 9,947.1 | 9,931.1 | 16.0 | 0.2\% | 9,928.8 | 18.3 | 0.2\% | 9,924.3 | 22.8 | 0.2\% | 9,919.7 | 27.4 | 0.3\% | 9,915.2 | 31.9 | 0.3\% | 9,910.5 | 36.6 | 0.4\% |
| ME 5 | 335023 | 2002 | Below Normal | May | - | 3,327.5 | 3,308.7 | 18.9 | 0.6\% | 3,306.0 | 21.5 | 0.6\% | 3,300.6 | 27.0 | 0.8\% | 3,295.3 | 32.3 | 1.0\% | 3,289.8 | 37.7 | 1.1\% | 3,284,4 | 43.2 | 1.3\% |
| ME5 | 335023 | 2002 | Below Normal | June | - | 858.1 | 836.7 | 21.3 | 2.5\% | 833.7 | 24.4 | 2.8\% | 827.7 | 30.4 | 3.5\% | 821.6 | 36.4 | 4.2\% | 815.5 | 42.5 | 5.0\% | 809.5 | 48.6 | 5.7\% |
| ME5 | 335023 | 2002 | Below Normal | July | - | 366.9 | 345.2 | 21.7 | 5.9\% | 342.1 | 24.8 | 6.8\% | 335.9 | 31.0 | 8.4\% | 329.7 | 37.2 | 10.1\% | 323.6 | 43.4 | 11.8\% | 317.4 | 49.5 | 13.5\% |
| ME5 | 335023 | 2002 | Below Normal | August | -- | 232.5 | 212.0 | 20.5 | 8.8\% | 209.0 | 23.4 | 10.1\% | 203.2 | 29.3 | 12.6\% | 197.3 | 35.2 | 15.1\% | 191.5 | 41.0 | 17.6\% | 185.6 | 46.9 | 20.2\% |
| ME5 | 335023 | 2002 | Below Normal | September | Used in Summary Table Analysis | 169.0 | 149.6 | 19.4 | 11.5\% | 146.8 | 22.2 | 13.1\% | 141.3 | 27.8 | 16.4\% | 135.7 | 33.3 | 19.7\% | 130.1 | 38.9 | 23.0\% | 124.6 | 44.5 | 26.3\% |
| ME 5 | 335023 | 2003 | Wet | October | Used in Summary Table Analysis | 133.9 | 117.9 | 16.0 | 11.9\% | 115.6 | 18.3 | 13.7\% | 111.0 | 22.9 | 17.1\% | 106.4 | 27.5 | 20.5\% | 101.8 | 32.1 | 24.0\% | 97.1 | 36.8 | 27.5\% |
| ME5 | 335023 | 2003 | Wet | November | Used in Summary Table Analysis | 903.0 | 890.1 | 12.9 | 1.4\% | 888.2 | 14.7 | 1.6\% | 884.5 | 18.5 | 2.0\% | 880.7 | 22.3 | 2.5\% | 877.0 | 26.0 | 2.9\% | 873.2 | 29.7 | 3.3\% |
| ME5 | 335023 | 2003 | Wet | December - |  | 57,283.6 | 57,272.0 | 11.6 | 0.0\% | 57,270.8 | 12.7 | 0.0\% | 57,267.4 | 16.2 | 0.0\% | 57,263.9 | 19.7 | 0.0\% | 57,260.4 | 23.1 | 0.0\% | 57,256.9 | 26.6 | 0.0\% |
| ME5 | 335023 | 2003 | Wet | January | -- | 31,625.0 | 31,614.6 | 10.4 | 0.0\% | 31,613.4 | 11.6 | 0.0\% | 31,610.0 | 15.0 | 0.0\% | 31,607.6 | 17.4 | 0.1\% | 31,604.2 | 20.8 | 0.1\% | 31,601.9 | 23.1 | 0.1\% |
| ME 5 | 335023 | 2003 | Wet | February - | -- | 20,402.8 | 20,394.7 | 8.1 | 0.0\% | 20,392.4 | 10.4 | 0.1\% | 20,390.0 | 12.7 | 0.1\% | 20,387.7 | 15.0 | 0.1\% | 20,385.4 | 17.4 | 0.1\% | 20,381.9 | 20.8 | 0.1\% |
| ME 5 | 335023 | 2003 | Wet | March | -- | 24,111.1 | 24,103.0 | 8.1 | 0.0\% | 24,101.9 | 9.3 | 0.0\% | 24,099.5 | 11.6 | 0.0\% | 24,096.1 | 15.0 | 0.1\% | 24,093.8 | 17.4 | 0.1\% | 24,091.4 | 19.7 | 0.1\% |
| ME5 | 335023 | 2003 | Wet | April | - | 43,105.3 | 43,097.2 | 8.1 | 0.0\% | 43,096.1 | 9.3 | 0.0\% | 43,093.8 | 11.6 | 0.0\% | 43,091.4 | 13.9 | 0.0\% | 43,088.0 | 17.4 | 0.0\% | 43,085.6 | 19.7 | 0.0\% |
| ME5 | 335023 | 2003 | Wet | May | - | 12,248.8 | 12,232.6 | 16.2 | 0.1\% | 12,230.3 | 18.5 | 0.2\% | 12,225.7 | 23.1 | 0.2\% | 12,221.1 | 27.8 | 0.2\% | 12,216.4 | 32.4 | 0.3\% | 12,211.8 | 37.0 | 0.3\% |
| ME5 | 335023 | 2003 | Wet | June | - | 3,172.5 | 3,152.0 | 20.5 | 0.6\% | 3,149.1 | 23.4 | 0.7\% | 3,143.3 | 29.2 | 0.9\% | 3,137.6 | 34.8 | 1.1\% | 3,131.8 | 40.6 | 1.3\% | 3,126.2 | 46.3 | 1.5\% |
| ME 5 | 335023 | 2003 | Wet | July | - | 1,481.0 | 1,459.5 | 21.5 | 1.5\% | 1,456.4 | 24.7 | 1.7\% | 1,450.2 | 30.8 | 2.1\% | 1,444.1 | 36.9 | 2.5\% | 1,438.0 | 43.1 | 2.9\% | 1,431.8 | 49.2 | 3.3\% |
| ME5 | 335023 | 2003 | Wet | August |  | 766.6 | 745.7 | 20.9 | 2.7\% | 742.7 | ${ }^{23.9}$ | 3.1\% | 736.7 | 29.9 | 3.9\% | 730.8 | ${ }^{35.9}$ | 4.7\% | 724.8 | 41.8 | 5.5\% | 718.7 | 47.9 | 6.3\% |
| ME5 5 | 335023 | 2003 | Wet | September | Used in Summary Table Analysis | 464.0 | 446.0 | 18.0 | 3.9\% | 433.4 | 20.5 | 4.4\% | 438.3 | 25.7 | 5.5\% | ${ }^{433.1}$ | ${ }^{30.8}$ | 6.6\% | 428.0 | ${ }^{35.9}$ | 7.7\% | 422.9 | ${ }^{41.1}$ | 8.9\% |
| ME5 | 335023 <br> 335023 | 2004 2004 | Wet | October | Used in Summary Table Analysis | 330.7 58578 | 315.8 <br> 5.845 .6 <br> 8.5 | 14.9 | 4.5\% | 313.7 58439 | 17.0 | 5.2\% | 309.4 5.880 .3 | 21.3 175 | ${ }_{\text {c. }}^{6.4 \%}$ | 305.1 5.8368 | 25.6 20.6 | $7.8 \%$ $0.4 \%$ | 300.8 <br> 58332 | 29.9 <br> 24.5 <br> 1 | 9.1\% | 296.5 5.8296 | 34.3 <br> 28.1 <br> 8. | ${ }^{10.4 \%}$ |
| ME 5 ME5 | 335023 | 2004 2004 | Wet Wet | November December - | Used in Summary Table Analysis | 5,857.8 $36,533.2$ $3,67.2$ | 5,845.6 36,542.8 | $\begin{aligned} & 1.2 \\ & 10.4 \end{aligned}$ | $\begin{aligned} & 0.2 \% \\ & 0.0 \% \end{aligned}$ | $\begin{gathered} 5,843.9 \\ 36,541.7 \end{gathered}$ | $\begin{aligned} & 13.9 \\ & 11.6 \end{aligned}$ | $\begin{aligned} & 0.2 \% \\ & 0.0 \% \end{aligned}$ | $\begin{gathered} 5,840.3 \\ 36,538.2 \end{gathered}$ | $\begin{aligned} & 17.5 \\ & 15.0 \end{aligned}$ | 0.3\% | 5,886.8 $36,535.9$ | $\begin{aligned} & 20.9 \\ & 17.4 \end{aligned}$ | $0.4 \%$ $0.0 \%$ | $\begin{gathered} 5,833.2 \\ 36,532.4 \end{gathered}$ | 24.5 20.8 | 0.4\% | 5,829.6 <br> 36,528.9 | 28.1 24.3 | 0.5\% |
| ME 5 | 335023 | 2004 | Wet | January | -- | 31,637.7 | 31,628.5 | 9.3 | 0.0\% | 31,627.3 | 10.4 | 0.0\% | 31,625.0 | 12.7 | 0.0\% | 31,621.5 | 16.2 | 0.1\% | 31,619.2 | 18.5 | 0.1\% | 31,616.9 | 20.8 | 0.1\% |
| ME5 | 335023 | 2004 | Wet | February |  | 38,394.7 | 38,385.4 | 9.3 | 0.0\% | 38,384.3 | 10.4 | 0.0\% | 38,381.9 | 12.7 | 0.0\% | 38,379.6 | 15.0 | 0.0\% | 38,377.3 | 17.4 | 0.0\% | 38,373.8 | 20.8 | 0.1\% |
| ME 5 | 335023 | 2004 | Wet | March | -- | 16,550.9 | 16,542.8 | 8.1 | 0.0\% | 16,541.7 | 9.3 | 0.1\% | 16,539.4 | 11.6 | 0.1\% | 16,537.0 | 13.9 | 0.1\% | 16,534.7 | 16.2 | 0.1\% | 16,532.4 | 18.5 | 0.1\% |
| ME5 | 335023 | 2004 | Wet | April | - | 9,470.8 | 9,463.4 | 7.4 | 0.1\% | 9,462.3 | 8.6 | 0.1\% | 9,460.1 | 10.8 | 0.1\% | 9,457.9 | 13.0 | 0.1\% | 9,455.7 | 15.2 | 0.2\% | 9,453.5 | 17.4 | 0.2\% |
| ME5 | 335023 | 2004 | Wet | May | - | 3,436.5 | 3,421.1 | 15.4 | 0.4\% | 3,418.8 | 17.7 | 0.5\% | 3,414.4 | 22.1 | 0.6\% | 3,409.8 | 26.6 | 0.8\% | 3,405.4 | 31.0 | 0.9\% | 3,400.9 | 35.5 | 1.0\% |
| ME5 | 335023 | 2004 | Wet | June | -- | 695.8 | 676.3 | 19.5 | 2.8\% | 673.5 | 22.3 | 3.2\% | ${ }^{668.0}$ | 27.8 | 4.0\% | ${ }^{662.4}$ | 33.4 | 4.8\% | 655.9 | 38.9 | 5.6\% | ${ }^{651.3}$ | 44.5 | ${ }^{6.4 \%}$ |
| M E 5 | 335023 <br> 335023 | 2004 | Wet | July | - | 361.6 | 340.6 2105 | 21.1 | 5.8\% | 337.6 | 22.1 | ${ }^{6.7 \%}$ | 331.6 | 30.1 28.5 | 8.3\% | ${ }^{325.6}$ | 36.1 34.2 | 10.0\% | 319.5 <br> 19.5 <br> 12.5 | 42.1 | 11.6\% | 313.5 1848 | 48.1 | 13.3\% |
| ME 5 | 335023 <br> 335023 | 2004 2004 | Wet Wet | August September | -- Used in Summary Table Analysis | 230.4 1671 | 210.5 1481 | 20.0 190 | 8.7\% | 207.6 <br> 145.4 | 22.8 21.7 | 9.9\% $13.0 \%$ | 201.9 1399 | 28.5 27.2 | 12.4\% | 196.2 1345 18 | 34.2 32.6 | 14.8\% | 190.5 1290 | 39.9 38.1 | 17.3\% <br> 2288 | 184.8 1236 | 45.6 43.5 | 19.8\% $26.1 \%$ |
| ME 5 ME 5 | 335023 <br> 335023 | 2004 2005 | Wet Above Normal | September October | U Sed in Summary Table Analysis | ${ }_{\text {l }}^{167.1}$ | 148.1 $7,738.3$ | 19.0 15.2 | 11.4\% | 145.4 $7,736.1$ | 21.7 17.4 | 13.0\% | 139.9 $7,731.7$ | 27.2 21.8 | 16.3\% | 134.5 $7,727.3$ | 32.6 26.2 | 19.5\% | 129.0 $7,722.9$ | 38.1 30.6 | 22.8\% | 123.6 <br> $7,718.5$ <br> 2,368 | 43.5 35.0 | ${ }_{\text {26.1\% }}^{\text {0.5\% }}$ |
| ME 5 | 335023 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,267.0 | 2,255.1 | 11.9 | 0.5\% | 2,253.4 | 13.7 | 0.6\% | 2,250.0 | 17.0 | 0.8\% | 2,246.5 | 20.5 | 0.9\% | 2,243.1 | 24.0 | 1.1\% | 2,239.6 | 27.4 | 1.2\% |
| ME5 | 335023 | 2005 | Above Normal | December - |  | 21,231.5 | 21,221.1 | 10.4 | 0.0\% | 21,218.8 | 12.7 | 0.1\% | 21,216.4 | 15.0 | 0.1\% | 21,213.0 | 18.5 | 0.1\% | 21,209.5 | 22.0 | 0.1\% | 21,207.2 | 24.3 | 0.1\% |
| ME5 | 335023 | 2005 | Above Normal | January | - | 22,544.0 | 22,534.7 | 9.3 | 0.0\% | 22,533.6 | 10.4 | 0.0\% | 22,531.3 | 12.7 | 0.1\% | 22,528.9 | 15.0 | 0.1\% | 22,525.5 | 18.5 | 0.1\% | 22,523.1 | 20.8 | 0.1\% |
| ME5 | 335023 | 2005 | Above Normal | February | - | 14,039.4 | 14,031.3 | 8.1 | 0.1\% | 14,030.1 | 9.3 | 0.1\% | 14,027.8 | 11.6 | 0.1\% | 14,025.5 | 13.9 | 0.1\% | 14,023.1 | 16.2 | 0.1\% | 14,020.8 | 18.5 | 0.1\% |
| ME 5 | 335023 | 2005 | Above Normal | March | -- | 28,688.7 | 28,681.7 | 6.9 | 0.0\% | 28,680.6 | 8.1 | 0.0\% | 28,678.2 | 10.4 | 0.0\% | 28,675.9 | 12.7 | 0.0\% | 28,673.6 | 15.0 | 0.1\% | 28,671.3 | 17.4 | 0.1\% |
| ME5 5 | 335023 | 2005 | Above Normal | April | - | 21,524.3 | 21,517.4 | 6.9 | 0.0\% | 21,516.2 | 8.1 | 0.0\% | 21,513.9 | 10.4 | 0.0\% | $21,511.6$ | ${ }^{12.7}$ | 0.1\% | 21,509.3 | 15.0 | 0.1\% | 21,506.9 | 17.4 | ${ }^{0.1 \%}$ |
| ME5 | 335023 | 2005 | Above Normal | May |  | 19,665.5 | 19,649.3 | 16.2 | 0.1\% | 19,647.0 | 18.5 | 0.1\% | 19,642.4 | ${ }^{23.1}$ | 0.1\% | 19,637.7 | 27.8 | 0.1\% | 19,633.1 | 32.4 | 0.2\% | 19,628.5 | 37.0 | 0.2\% |
| ME5 | 335023 | 2005 | Above Normal | June | - | 15,985.0 | 15,960.6 | 24.3 | 0.2\% | 15,957.2 | 27.8 | 0.2\% | 15,951.4 | ${ }^{33.6}$ | ${ }^{0.2 \%}$ | 15,944.4 | 40.5 | 0.3\% | 15,937.5 | 47.5 | 0.3\% | 15,930.6 | 54.4 | 0.3\% |
| ME 5 ME 5 | 335023 <br> 335023 | 2005 2005 | Above Normal Above Normal | July August | -- | $2,865.4$ 989.4 | 2,843.5 969.6 | 21.9 19.8 | 0.8\% 2.0\% | $2,840.5$ <br> 966.8 | 24.9 22.6 | 0.9\% | 2,834.3 961.1 | 31.1 28.3 | 1.1\% | 2,828.0 955.5 | 37.4 33.9 | $1.3 \%$ $3.4 \%$ | $2,821.9$ 949.8 | 43.5 39.6 | 1.5\% 4.0\% | $\stackrel{2,815.7}{944.2}$ | 49.7 45.2 | $1.7 \%$ $4.6 \%$ |
| ME5 | 335023 | 2005 | Above Normal | September | Used in Summary Table Analysis | 531.0 | 513.4 | 17.6 | 3.3\% | 510.8 | 20.1 | 3.8\% | 505.8 | 25.2 | 4.7\% | 500.8 | 30.2 | 5.7\% | 495.8 | 35.2 | 6.6\% | 490.7 | 40.3 | 7.6\% |
| ME5 | 335023 | 2006 | Wet | October | Used in Summary Table Analysis | 641.8 | 627.4 | 14.4 | 2.2\% | 625.3 | 16.4 | 2.6\% | 621.2 | 20.6 | 3.2\% | 617.1 | 24.7 | 3.8\% | 613.0 | 28.8 | 4.5\% | 608.8 | 33.0 | 5.1\% |
| ME5 | 335023 | 2006 | Wet | November | Used in Summary Table Analysis | 9,399.8 | 9,388.4 | 11.3 | 0.1\% | 9,386.7 | 13.1 | 0.1\% | 9,383.4 | 16.3 | 0.2\% | 9,380.1 | 19.7 | 0.2\% | 9,376.9 | 22.9 | 0.2\% | 9,373.5 | 26.3 | 0.3\% |
| ME5 | 335023 | 2006 | Wet | December - |  | 43,805.6 | 43,795.1 | 10.4 | 0.0\% | 43,794.0 | 11.6 | 0.0\% | 43,791.7 | 13.9 | 0.0\% | 43,788.2 | 17.4 | 0.0\% | 43,785.9 | 19.7 | 0.0\% | $43,782.4$ 46553 | 22.1 | 0.1\% |
| ME 5 | 335023 | 2006 | Wet | January | -- | 46,575.2 | 46,56.0 | 9.3 | 0.0\% | 46,564.8 | 10.4 | 0.0\% | 46,561.3 | 13.9 | 0.0\% | 46,599.0 | 16.2 | 0.0\% | 46,556.7 | 18.5 | 0.0\% | 46,553.2 | 22.0 | 0.0\% |
| ME5 ME5 | 335023 335023 | 2006 | Wet | February |  | 26,737.3 | 26,729.2 | 8.1 8.1 | 0.0\% $0.0 \%$ | $26,728.0$ $47,369.2$ | 9.3 9.3 | 0.0\% $0.0 \%$ | $26,725.7$ $47,36.9$ | 11.6 11.6 | 0.0\% $0.0 \%$ | $26,723.4$ $47,364.6$ | 13.9 13.9 | 0.1\% | $26,721.1$ $47,362.3$ | 16.2 16.2 | 0.1\% | $26,718.8$ $47,360.0$ | 18.5 18.5 | 0.1\% $0.0 \%$ |
| ME5 | 335023 | 2006 | Wet | April | -- | 30,513.9 | 30,506.9 | 6.9 | 0.0\% | 30,505.8 | 8.1 | 0.0\% | 30,503.5 | 10.4 | 0.0\% | 30,501.2 | 12.7 | 0.0\% | 30,500.0 | 13.9 | 0.0\% | 30,497.7 | 16.2 | 0.1\% |
| ME5 | 335023 | 2006 | Wet | May | -- | 14,256.9 | 14,247.7 | 9.3 | 0.1\% | 14,24.5 | 10.4 | 0.1\% | 14,243.1 | 13.9 | 0.1\% | 14,240.7 | 16.2 | 0.1\% | 238.4 | 18.5 | 0.1\% | 14,23; | 22.0 | 0.2\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
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\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \& \& \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Water Year Water Year Type}} \& \multirow[b]{2}{*}{Month} \& \multirow[b]{2}{*}{Note} \& \multirow[b]{2}{*}{Flow
Without
Pumping (cfs)} \& \multicolumn{3}{|c|}{75\% Pumping Increase} \& \multicolumn{3}{|c|}{100\% Pumping Increa} \& \multicolumn{3}{|c|}{150\% Pumping Inc} \& \multicolumn{3}{|c|}{200\% Pumping Increase} \& \multicolumn{3}{|c|}{250\% Pumping Increase} \& \multicolumn{3}{|c|}{300\% Pumping Increase} \\
\hline Surface Water Depletion Area Area of Interest \& \begin{tabular}{l}
(Row, Column, \\
Surface Water \\
Reach)
\end{tabular} \& \& \& \& \& \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) } \\
\hline
\end{gathered}
\] \& Percent
Difference \& Flow (ffs) \& \[
\begin{gathered}
\text { Fiow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference Difference \& \multicolumn{2}{|l|}{Flow (ffs) \begin{tabular}{c} 
Flow \\
Difference \\
(cfs)
\end{tabular}} \& Percent Difference \& \multicolumn{2}{|l|}{\[
\begin{gathered}
\text { Flow (ffs) } \\
\begin{array}{c}
\text { Fiflew } \\
\text { (fferce }
\end{array}
\end{gathered}
\]} \& Percent Difference \& Flow (cfs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \\
\hline ME5 \& 335023 \& 2012 \& Below Normal \& ber \& Used in Summary Table Analysis \& 4,572.0 \& 4,556.9 \& 15.0 \& 0.3 \& 4,554.7 \& 17.2 \& 0.4\% \& 4,550.3 \& 21.6 \& 0.5\% \& 4,546.1 \& 25.9 \& 0.6\% \& 4,541.7 \& 30.3 \& 0.7\% \& 4,537.4 \& 34.6 \& 0.8\% \\
\hline ME5 \& 335023 \& 2012 \& Below Normal \& November \& Used in Summary Table Analysis \& 8,299.4 \& 8,287.4 \& 12.0 \& 0.1\% \& 8,285.6 \& 13.8 \& 0.2\% \& 8,288.2 \& 17.2 \& 0.2\% \& 8,278.7 \& 20.7 \& 0.2\% \& 8,275.2 \& 24.2 \& 0.3\% \& 8,271.6 \& 27.8 \& 0.3\% \\
\hline ME5 \& 335023 \& 2012 \& Below Normal \& December - \& \& 5,210.5 \& 5,200.2 \& 10.3 \& 0.2\% \& 5,198.8 \& 11.7 \& 0.2\% \& 5,195.8 \& 14.7 \& 0.3\% \& 5,192.8 \& 17.7 \& 0.3\% \& 5,189.8 \& 20.7 \& 0.4\% \& 5,186.7 \& 23.8 \& 0.5\% \\
\hline ME5 \& 335023 \& 2012 \& Below Normal \& January \& - \& 20,291.7 \& 20,282.4 \& 9.3 \& 0.0\% \& 20,281.3 \& 10.4 \& 0.1\% \& 20,278.9 \& 12.7 \& 0.1\% \& 20,275.5 \& 16.2 \& 0.1\% \& 20,273.1 \& 18.5 \& 0.1\% \& 20,269.7 \& 22.0 \& 0.1\% \\
\hline ME5 \& 335023 \& 2012 \& Below Normal \& February \& - \& 18,263.9 \& 18,254.6 \& 9.3 \& 0.1\% \& 18,253.5 \& 10.4 \& 0.1\% \& 18,251.2 \& 12.7 \& 0.1\% \& 18,248.8 \& 15.0 \& 0.1\% \& 18,246.5 \& 17.4 \& 0.1\% \& 18,244.2 \& 19.7 \& 0.1\% \\
\hline ME5 \& 335023 \& 2012 \& Below Normal \& March \& -- \& 45,631.9 \& 45,623.8 \& 8.1 \& 0.0\% \& 45,622.7 \& 9.3 \& 0.0\% \& 45,620.4 \& 11.6 \& 0.0\% \& 45,618,1 \& 13.9 \& 0.0\% \& 45,615.7 \& 16.2 \& 0.0\% \& 45,612.3 \& 19.7 \& 0.0\% \\
\hline ME5 \& 335023 \& 2012 \& Below Normal \& April \& - \& 26,934.0 \& 26,925.9 \& 8.1 \& 0.0\% \& 26,924.8 \& 9.3 \& 0.0\% \& 26,923.6 \& 10.4 \& 0.0\% \& 26,921.3 \& 12.7 \& 0.0\% \& 26,919.0 \& 15.0 \& 0.1\% \& 26,916.7 \& 17.4 \& 0.1\% \\
\hline ME5 \& 335023 \& 2012 \& Below Normal \& may \& -- \& 7,500.8 \& 7,485.2 \& 15.6 \& 0.2\% \& 7,483.0 \& 17.8 \& 0.2\% \& 7,478.4 \& 22.5 \& 0.3\% \& 7,473.8 \& 27.0 \& 0.4\% \& 7,469.3 \& 31.5 \& 0.4\% \& 7,464.8 \& 36.0 \& 0.5\% \\
\hline ME5 \& 335023 \& 2012 \& Below Normal \& June \& - \& 5,544.7 \& 5,520.8 \& 23.8 \& 0.4\% \& 5,517.5 \& 27.2 \& 0.5\% \& 5,510.6 \& 34.0 \& 0.6\% \& 5,503.9 \& 40.7 \& 0.7\% \& 5,497.1 \& 47.6 \& 0.9\% \& 5,490.4 \& 54.3 \& 1.0\% \\
\hline ME5 \& 335023 \& 2012 \& Below Normal \& July \& - \& 2,242.0 \& 2,219.2 \& 22.8 \& 1.0\% \& 2,216.1 \& 25.9 \& 1.2\% \& 2,209.6 \& 32.4 \& 1.4\% \& 2,203.1 \& 38.9 \& 1.7\% \& 2,196.6 \& 45.4 \& 2.0\% \& 2,190.2 \& 51.9 \& 2.3\% \\
\hline ME5 \& 335023 \& 2012 \& Below Normal \& August \& -- \& 392.7 \& 374.3 \& 18.4 \& 4.7\% \& 371.7 \& 21.0 \& 5.4\% \& 366.4 \& 26.3 \& 6.7\% \& 361.2 \& 31.6 \& 8.0\% \& 355.9 \& 36.8 \& 9.4\% \& 350.7 \& 42.0 \& 10.7\% \\
\hline ME5 \& 335023 \& 2012 \& Below Normal \& September \& Used in Summary Table Analysis \& 254.6 \& 238.1 \& 16.5 \& 6.5\% \& 235.7 \& 18.9 \& 7.4\% \& 231.0 \& 23.6 \& 9.3\% \& 226.3 \& 28.3 \& 11.1\% \& 221.6 \& 33.0 \& 12.9\% \& 216.9 \& 37.7 \& 14.\% \\
\hline ME5 \& 335023 \& 2013 \& Below Normal \& October \& Used in Summary Table Analysis \& 1,932.2 \& 1,917.7 \& 14.5 \& 0.7\% \& 1,915.6 \& 16.6 \& 0.9\% \& 1,911.5 \& 20.7 \& 1.1\% \& 1,907.3 \& 24.9 \& 1.3\% \& 1,903.1 \& 29.1 \& 1.5\% \& 1,899.1 \& 33.1 \& 1.7\% \\
\hline ME5 \& 335023 \& 2013 \& Below Normal \& November \& Used in Summary Table Analysis \& 14,798.6 \& 14,787.0 \& 11.6 \& 0.1\% \& 14,784.7 \& 13.9 \& 0.1\% \& 14,781.3 \& 17.4 \& 0.1\% \& 14,778.9 \& 19.7 \& 0.1\% \& 14,775.5 \& 23.1 \& 0.2\% \& 14,772.0 \& 26.6 \& 0.2\% \\
\hline ME5 \& 335023 \& 2013 \& Below Normal \& December - \& -- \& 60,243.1 \& 60,232.6 \& 10.4 \& 0.0\% \& 60,231.5 \& 11.6 \& 0.0\% \& 60,228.0 \& 15.0 \& 0.0\% \& 60,224.5 \& 18.5 \& 0.0\% \& 60,222.2 \& 20.8 \& 0.0\% \& 60,218.8 \& 24.3 \& 0.0\% \\
\hline ME5 \& 335023 \& 2013 \& Below Normal \& January \& -- \& 22,273.1 \& 22,265.0 \& 8.1 \& 0.0\% \& 22,263.9 \& 9.3 \& 0.0\% \& 22,260.4 \& 12.7 \& 0.1\% \& 22,258.1 \& 15.0 \& 0.1\% \& 22,255.8 \& 17.4 \& 0.1\% \& 22,253.5 \& 19.7 \& 0.1\% \\
\hline ME5 \& 335023 \& 2013 \& Below Normal \& February \& -- \& 8,879.7 \& 8,871.4 \& 8.3 \& 0.1\% \& 8,870.1 \& 9.6 \& 0.1\% \& 8,867.7 \& 12.0 \& 0.1\% \& 8,865.3 \& 14.5 \& 0.2\% \& 8,862.8 \& 16.9 \& 0.2\% \& 8,860.3 \& 19.4 \& 0.2\% \\
\hline ME5 \& 335023 \& 2013 \& Below Normal \& March \& -- \& 10,382.6 \& 10,374.5 \& 8.1 \& 0.1\% \& 10,373.4 \& 9.3 \& 0.1\% \& 10,371.1 \& 11.6 \& 0.1\% \& 10,368.8 \& 13.9 \& 0.1\% \& 10,366.3 \& 16.3 \& 0.2\% \& 10,363.9 \& 18.8 \& 0.2\% \\
\hline ME5 \& 335023 \& 2013 \& Below Normal \& April \& - \& 8,307.1 \& 8,292.1 \& 14.9 \& 0.2\% \& 8,290.0 \& 17.0 \& 0.2\% \& 8,285.8 \& 21.3 \& 0.3\% \& 8,281.5 \& 25.6 \& 0.3\% \& 8,277.2 \& 29.9 \& 0.4\% \& 8,272.9 \& 34.1 \& 0.4\% \\
\hline ME5 \& 335023 \& 2013 \& Below Normal \& May \& -- \& 4,451.6 \& 4,433.6 \& 18.1 \& 0.4\% \& 4,431.0 \& 20.6 \& 0.5\% \& 4,425.8 \& 25.8 \& 0.6\% \& 4,420.6 \& 31.0 \& 0.7\% \& 4,415.4 \& 36.2 \& 0.8\% \& 4,410.3 \& 41.3 \& 0.9\% \\
\hline ME5 \& 335023 \& 2013 \& Below Normal \& June \& - \& 2,117.7 \& 2,095.9 \& 21.8 \& 1.0\% \& 2,092.9 \& 24.8 \& 1.2\% \& 2,086.7 \& 31.0 \& 1.5\% \& 2,080.6 \& 37.2 \& 1.8\% \& 2,074.4 \& 43.3 \& 2.0\% \& 2,068.3 \& 49.4 \& 2.3\% \\
\hline ME5 \& 335023 \& 2013 \& Below Normal \& July \& -- \& 721.7 \& 700.6 \& 21.2 \& 2.9\% \& 697.6 \& 24.2 \& 3.3\% \& 691.6 \& 30.2 \& 4.2\% \& 685.6 \& 36.2 \& 5.0\% \& 679.6 \& 42.2 \& 5.8\% \& 673.6 \& 48.1 \& 6.7\% \\
\hline ME5 \& 335023 \& 2013 \& Below Normal \& August \& -- \& 345.1 \& 325.2 \& 19.9 \& 5.8\% \& 322.4 \& 22.7 \& 6.6\% \& 316.7 \& 28.4 \& 8.2\% \& 311.0 \& 34.1 \& 9.9\% \& 305.3 \& 39.8 \& 11.5\% \& 299.6 \& 45.5 \& 13.2\% \\
\hline ME5 \& 335023 \& 2013 \& Below Normal \& September \& Used in Summary Table Analysis \& 4,817.5 \& 4,796.9 \& 20.6 \& 0.4\% \& 4,793.9 \& 23.6 \& 0.5\% \& 4,788.0 \& 29.5 \& 0.6\% \& 4,788.2 \& 35.3 \& 0.7\% \& 4,776.3 \& 41.2 \& 0.9\% \& 4,770.4 \& 47.1 \& 1.0\% \\
\hline ME5 \& 335023 \& 2014 \& Critical \& October \& Used in Summary Table Analysis \& 282.4 \& 267.3 \& 15.2 \& 5.4\% \& 265.1 \& 17.3 \& 6.1\% \& 26.7 \& 21.7 \& 7.7\% \& 256.3 \& 26.1 \& 9.2\% \& 25.0 \& 30.5 \& 10.8\% \& 247.6 \& 34.8 \& 12.3\% \\
\hline ME5 \& 335023 \& 2014 \& Critical \& November \& Used in Summary Table Analysis \& 1,555.0 \& 1,542.8 \& 12.2 \& 0.8\% \& 1,541.0 \& 14.0 \& 0.9\% \& 1,537.5 \& 17.5 \& 1.1\% \& 1,533.9 \& 21.1 \& 1.4\% \& 1,530.3 \& 24.7 \& 1.6\% \& 1,526.9 \& 28.1 \& 1.8\% \\
\hline ME5 \& 335023 \& 2014 \& Critical \& December - \& \& 1,600.0 \& 1,589.4 \& 10.6 \& 0.7\% \& 1,587.8 \& 12.2 \& 0.8\% \& 1,584.7 \& 15.3 \& 1.0\% \& 1,581.6 \& 18.4 \& 1.2\% \& 1,578.6 \& 21.4 \& 1.3\% \& 1,575.5 \& 24.5 \& 1.5\% \\
\hline ME5 \& 335023 \& 2014 \& Critical \& January \& - \& 2,839.0 \& 2,829.5 \& 9.5 \& 0.3\% \& 2,828.1 \& 10.9 \& 0.4\% \& 2,825.3 \& 13.7 \& 0.5\% \& 2,822.6 \& 16.4 \& 0.6\% \& 2,819.8 \& 19.2 \& 0.7\% \& 2,817.0 \& 22.0 \& 0.8\% \\
\hline ME5 \& 335023 \& 2014 \& Critical \& February \& \& 15,804.4 \& 15,795.1 \& 9.3 \& 0.1\% \& 15,794.0 \& 10.4 \& 0.1\% \& 15,791.7 \& 12.7 \& 0.1\% \& 15,789.4 \& 15.0 \& 0.1\% \& 15,785.9 \& 18.5 \& 0.1\% \& 15,783.6 \& 20.8 \& 0.1\% \\
\hline ME5 \& 335023 \& 2014 \& Critical \& March \& -- \& 31,550.9 \& 31,542.8 \& 8.1 \& 0.0\% \& 31,541.7 \& 9.3 \& 0.0\% \& 31,539.4 \& 11.6 \& 0.0\% \& 31,537.0 \& 13.9 \& 0.0\% \& 31,534.7 \& 16.2 \& 0.1\% \& 31,532.4 \& 18.5 \& 0.1\% \\
\hline ME5 \& 335023 \& 2014 \& Critical \& April \& - \& 13,011.6 \& 12,996.5 \& 15.0 \& 0.1\% \& 12,994.2 \& 17.4 \& 0.1\% \& 12,989.6 \& 22.0 \& 0.2\% \& 12,985.0 \& 26.6 \& 0.2\% \& 12,980.3 \& 31.3 \& 0.2\% \& 12,975.7 \& 35.9 \& 0.3\% \\
\hline ME5 \& 335023 \& 2014 \& Critical \& May \& - \& 5,202.0 \& 5,182.9 \& 19.1 \& 0.4\% \& 5,180.2 \& 21.8 \& 0.4\% \& 5,174.8 \& 27.2 \& 0.5\% \& 5,169.3 \& 32.6 \& 0.6\% \& 5,163.8 \& 38.2 \& 0.7\% \& 5,158.3 \& 43.6 \& 0.8\% \\
\hline ME5 \& 335023 \& 2014 \& Critical \& June \& - \& 1,203.8 \& 1,177.9 \& 25.9 \& 2.2\% \& 1,174.2 \& 29.6 \& 2.5\% \& 1,166.8 \& 37.0 \& 3.1\% \& 1,159.5 \& 44.3 \& 3.7\% \& 1,152.1 \& 51.7 \& 4.3\% \& 1,144.8 \& 59.0 \& 4.9\% \\
\hline ME5 \& 335023 \& 2014 \& Critical \& July \& - \& 550.0 \& 525.8 \& 24.2 \& 4.4\% \& 522.4 \& 27.6 \& 5.0\% \& 515.5 \& 34.5 \& 6.3\% \& 508.6 \& 41.4 \& 7.5\% \& 501.7 \& 48.3 \& 8.8\% \& 494.9 \& 55.1 \& 10.0\% \\
\hline ME5 \& 335023 \& 2014 \& Critical \& August \& - \& 353.1 \& 329.9 \& 23.2 \& 6.6\% \& 326.6 \& 26.5 \& 7.5\% \& 320.0 \& 33.1 \& 9.4\% \& 313.4 \& 39.7 \& 11.2\% \& 306.8 \& 4.3 \& 13.1\% \& 300.2 \& 52.9 \& 15.0\% \\
\hline ME5 \& 335023 \& 2014 \& Critical \& September \& Used in Summary Table Analysis \& 2,588.9 \& 2,566.2 \& 22.7 \& 0.9\% \& 2,562.8 \& 26.0 \& 1.0\% \& 2,556.5 \& 32.4 \& 1.3\% \& 2,550.0 \& \({ }^{38.9}\) \& 1.5\% \& 2,543.4 \& 45.5 \& 1.8\% \& 2,536.9 \& 52.0 \& 2.0\% \\
\hline ME5 \& \begin{tabular}{l}
335023 \\
335023 \\
\hline
\end{tabular} \& 2015 \& Dry \& October \& Used in Summary Table Analysis \& 11,418.9 \& 11,400.8 \& 18.1 \& 0.2\% \& 11,388.3 \& \begin{tabular}{l}
20.6 \\
\hline 15.5
\end{tabular} \& 0.2\% \& \({ }^{11,393.3}\) \& \({ }^{25.6}\) \& 0.2\% \& 11,388.1 \& 30.8
23 \& 0.3\% \& \({ }^{11,3837.1}\) \& 35.8 \& 0.3\% \& 11,377.8 \& 41.1
311 \& 0.4\% \\
\hline ME5 \& 335023 \& 2015 \& \({ }_{\text {Dry }}\) \& \({ }^{\text {November }}\) December \& Used in Summary Table Analysis \& \begin{tabular}{l}
\(9,098.4\) \\
328403 \\
\hline 18.10
\end{tabular} \& \(9,084.8\)
32829.9 \& \[
\begin{aligned}
\& 13.5 \\
\& 10.4
\end{aligned}
\] \& \(0.1 \%\)
\(0.0 \%\)
0 \& \(9,082.9\)
32.827 .5 \& \[
\begin{aligned}
\& 15.5 \\
\& 12 .
\end{aligned}
\] \& \(0.2 \%\)
\(0.0 \%\)
0.0 \& 9,079.1
\(32,824.1\)
1.4 \& 19.3
16.2 \& - \& \begin{tabular}{l}
\(9,075.1\) \\
32820.6 \\
\hline 1
\end{tabular} \& \[
\begin{aligned}
\& 23.3 \\
\& 19.7
\end{aligned}
\] \& 0.3\% \&  \& 27.2
23.1 \& 0.3\% \& \(9,067.2\)
328137 \& 31.1
26.6 \& - \\
\hline ME5 \& 335023 \& 2015 \& Dry \& January \& - \& 14,611.1 \& 14,600.7 \& 10.4 \& 0.1\% \& 14,599.5 \& 11.6 \& 0.1\% \& 14,596.1 \& 15.0 \& 0.1\% \& 14,593.8 \& 17.4 \& 0.1\% \& 14,590.3 \& 20.8 \& 0.1\% \& \({ }_{14,586.8}\) \& 24.3 \& 0.2\% \\
\hline ME5 \& 335023 \& 2015 \& Dry \& February \& \& 27,321.8 \& 27,312.5 \& 9.3 \& 0.0\% \& 27,311.3 \& 10.4 \& 0.0\% \& 27,399.0 \& 12.7 \& 0.0\% \& 27,306.7 \& 15.0 \& 0.1\% \& 27,303.2 \& 18.5 \& 0.1\% \& 27,300.9 \& 20.8 \& 0.1\% \\
\hline ME5 \& 335023 \& 2015 \& Dry \& March \& -- \& 11,591.4 \& 11,583.3 \& 8.1 \& 0.1\% \& 11,582.2 \& 9.3 \& 0.1\% \& 11,579.9 \& 11.6 \& 0.1\% \& 11,577.5 \& 13.9 \& 0.1\% \& 11,575.2 \& 16.2 \& 0.1\% \& 11,572.3 \& 19.1 \& 0.2\% \\
\hline ME5 \& 335023 \& 2015 \& Dry \& April \& - \& 8,444.0 \& 8,428.1 \& 15.9 \& 0.2\% \& 8,425.8 \& 18.2 \& 0.2\% \& 8,421.3 \& 22.7 \& 0.3\% \& 8,416.7 \& 27.3 \& 0.3\% \& 8,412.2 \& 31.8 \& 0.4\% \& 8,407.5 \& 36.5 \& 0.4\% \\
\hline ME5 \& 335023 \& 2015 \& Dry \& May \& -- \& 1,510.6 \& 1,491.8 \& 18.9 \& 1.2\% \& 1,489.1 \& 21.5 \& 1.4\% \& 1,483.8 \& 26.9 \& 1.8\% \& 1,478.5 \& 32.2 \& 2.1\% \& 1,473.0 \& 37.6 \& 2.5\% \& 1,467.7 \& 42.9 \& 2.8\% \\
\hline ME5 \& 335023 \& 2015 \& Dry \& June \& -- \& 655.9 \& 631.7 \& 24.2 \& 3.7\% \& 628.3 \& 27.6 \& 4.2\% \& 621.5 \& 34.4 \& 5.3\% \& 614.6 \& 41.3 \& 6.3\% \& 607.8 \& 48.1 \& 7.3\% \& 601.1 \& 54.8 \& 8.4\% \\
\hline ME5 \& 335023 \& 2015 \& Dry \& July \& - \& 272.3 \& 248.5 \& 23.8 \& 8.7\% \& 245.1 \& 27.2 \& 10.0\% \& 238.3 \& 34.0 \& 12.5\% \& 231.5 \& 40.8 \& 15.\% \& 224.7 \& 47.7 \& 17.5\% \& 218.0 \& 54.4 \& 20.0\% \\
\hline ME5 \& 335023 \& 2015 \& Dry \& August \& -- \& 171.1 \& 148.0 \& 23.1 \& 13.5\% \& 144.7 \& 26.4 \& 15.4\% \& 138.1 \& 33.0 \& 19.3\% \& 131.4 \& 39.7 \& 23.2\% \& 124.8 \& 46.3 \& 27.1\% \& 118.2 \& 52.9 \& 30.9\% \\
\hline ME5 \& 335023 \& 2015 \& Dry \& September \& Used in Summary Table Analysis \& 124.8 \& 104.0 \& 20.7 \& 16.6\% \& 100.9 \& 23.8 \& 19.1\% \& 94.4 \& 30.3 \& 24.3\% \& 88.1 \& 36.7 \& 29.4\% \& 81.6 \& 43.2 \& 34.6\% \& 75.3 \& 49.5 \& 39.7\% \\
\hline ME5 \& 335023 \& 2016 \& Above Normal \& October \& Used in Summary Table Analysis \& 89.9 \& 71.5 \& 18.4 \& 20.5\% \& 68.5 \& 21.4 \& 23.\% \& 63.3 \& 26.6 \& 29.6\% \& 58.0 \& 31.9 \& 35.5\% \& 52.7 \& 37.2 \& 41.4\% \& 47.7 \& 42.2 \& 46.9\% \\
\hline ME5 \& 335023 \& 2016 \& Above Normal \& November \& Used in Summary Table Analysis \& 3,918.2 \& 3,904.5 \& 13.7 \& 0.3\% \& 3,902.2 \& 16.0 \& 0.9\% \& \(3,898.1\)
36,546 \& 20.0
17.4 \& 0.5\% \& 3,894.0 \& 24.2 \& 0.6\% \& 3,889.7 \& \begin{tabular}{l}
28.5 \\
\hline 25.5 \\
\hline
\end{tabular} \& 0.7\% \& \begin{tabular}{l}
\(3,885.5\) \\
36853 \\
\hline 1508
\end{tabular} \& 32.6

289 \& <br>
\hline ME5 \& 335023 \& 2016 \& Above Normal \& December - \& \& 36,881.9 \& 36,870.4 \& 11.6 \& 0.0\% \& 36,868.1 \& 13.9 \& 0.0\% \& 36,864.6 \& 17.4 \& 0.0\% \& 36,861.1 \& 20.8 \& 0.1\% \& 36,856.5 \& 25.5 \& 0.1\% \& 36,853.0 \& 28.9 \& - <br>
\hline ME5 \& 335023
335023 \& 2016 \& Above Normal \& January \& - \& $57,590.3$
24,3125 \& $57,578.7$
2,3032 \& ${ }_{11.6}$ \& 0.0\% \& $57,577.5$
24.3021 \& 12.7
10.4 \& 0.0\% \& $57,574.1$
24,298 \& 16.2 \& 0.0\% \& $57,570.6$
24,2963 \& 19.7 \& 0.0\%
$0.1 \%$ \& $57,567.1$
24,294.0 \& 23.1
18.5 \& 0.0\% \& 57,563.7
$24,290.5$ \& 26.6
22.0 \& - <br>
\hline ME5
ME5 \& 335023
335023 \& 2016
2016 \& Above Normal
Above Normal \& February
March \& -- \& 24,312.5
$41,905.1$ \& 24,303.2
$41,895.8$ \& ${ }_{9.3}^{9.3}$ \& 0.0\% \& 24,302.1
$41,894.7$ \& 10.4
10.4 \& 0.0\% \& $24,298.6$
$41,892.4$ \& 13.9
12.7 \& - 0.1 0.0\% \& $24,296.3$
$41,88.9$ \& 16.2
16.2 \& -0.0\% \& $24,294.0$
$41,886.6$ \& 18.5
18.5 \& - 0 \& $24,290.5$
$41,884.3$ \& 22.0
20.8 \& - <br>
\hline ME5 \& 335023 \& 2016 \& Above Normal \& April \& - \& 18,571.8 \& 18,564.8 \& 6.9 \& 0.0\% \& 18,563.7 \& 8.1 \& 0.0\% \& 18,561.3 \& 10.4 \& 0.1\% \& 18,59.0 \& 12.7 \& 0.1\% \& 18,55.6 \& 16.2 \& 0.1\% \& 18,553.2 \& 18.5 \& 0.1\% <br>
\hline ME5 \& 335023 \& 2016 \& Above Normal \& May \& - \& 5,227.5 \& 5,217.8 \& 9.7 \& 0.2\% \& 5,216,3 \& 11.2 \& 0.2\% \& 5,213.4 \& 14.1 \& 0.3\% \& 5,210.5 \& 17.0 \& 0.3\% \& 5,207.6 \& 19.9 \& 0.4\% \& 5,204.7 \& 22.8 \& 0.4\% <br>
\hline ME5 \& 335023 \& 2016 \& Above Normal \& June \& - \& 1,514.6 \& 1,495.8 \& 18.8 \& 1.2\% \& 1,493.1 \& 21.5 \& 1.4\% \& 1,487.8 \& 26.7 \& 1.8\% \& 1,482.5 \& 32.1 \& 2.1\% \& 1,477.1 \& 37.5 \& 2.5\% \& 1,471.8 \& 42.8 \& 2.8\% <br>
\hline ME5 \& 335023 \& 2016 \& Above Normal \& July \& - \& 828.8 \& 807.9 \& 20.8 \& 2.5\% \& 804.9 \& 23.9 \& 2.9\% \& 799.0 \& 29.8 \& 3.6\% \& 793.0 \& $\begin{array}{r}35.8 \\ 35.8 \\ \hline\end{array}$ \& 4.3\% \& ${ }_{456.6}$ \& 41.7 \& 5.0\%
$8.3 \%$
Rem \& 781.1
4507 \& 47.7 \& 5.8\% <br>
\hline ME5 \& 335023 \& 2016 \& Above Normal \& August \& -- \& 497.7 \& 477.2 \& 20.5 \& 4.1\% \& 474.2 \& 23.5 \& 4.7\% \& 468.4 \& 29.3 \& 5.9\% \& 462.5 \& 35.2 \& 7.1\% \& 456.6 \& 41.1 \& 8.3\% \& 450.7 \& 47.0 \& 9.4\% <br>
\hline ME5 \& 335023 \& 2016 \& Above Normal \& September \& Used in Summary Table Analysis \& 333.8 \& 315.4 \& 18.3 \& 5.5\% \& 312.1
18392 \& 21.6 \& 6.5\% \& 306.7

18.657 \& 27.1 \& 8.1\% \& ${ }^{301.1}$ \& | 32.7 |
| :--- |
| 25 | \& 9.8\% \& ${ }^{295.5}$ \& 38.3

31.3 \& -11.5\% \& 289.8
18.351 .9 \& 43.9
34.7 \& - <br>
\hline ME 5
ME5 \& $\begin{array}{r}335023 \\ 335023 \\ \hline\end{array}$ \& 2017 \& Wet
Wet \& October \& Used in Summary Table Analysis \& $18,386.6$
$18,936.3$ \& $18,371.5$
$18,924.8$ \& 15.0
11.6 \& 0.1\% \& $18,369.2$
$18,922.5$ \& 17.4
13.9 \& 0.1\% \& $18,365.7$
$18,919.0$ \& 20.8
17.4 \& 0.1\% \& $18,361.1$
$18,915.5$ \& 25.5
20.8 \& 0.1\% \& $18,355.3$

$18,912.0$ \& | 31.3 |
| :--- |
| 24.3 | \& - $0.2 \%$ \& $18,351.9$


$18,908.6$ \& | 34.7 |
| :--- |
| 27.8 | \& - <br>

\hline ME5 \& 335023 \& 2017 \& wet \& December - \& \& 24,287.0 \& 24,276.6 \& 10.4 \& 0.0\% \& 24,274.3 \& 12.7 \& 0.1\% \& 24,272.0 \& 15.0 \& 0.1\% \& 24,268.5 \& 18.5 \& 0.1\% \& 24,266.2 \& 20.8 \& 0.1\% \& 24,262.7 \& 24.3 \& 0.1\% <br>
\hline ME5 \& 335023 \& 2017 \& Wet \& January \& \& 107,412.0 \& 107,402.8 \& 9.3 \& 0.0\% \& 107,401.6 \& 10.4 \& 0.0\% \& 107,398.1 \& 13.9 \& 0.0\% \& 107,395.8 \& 16.2 \& 0.0\% \& 107,392.4 \& 19.7 \& 0.0\% \& 107,390.0 \& 22.0 \& 0.0\% <br>
\hline
\end{tabular}

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  | (Row, Column, Surface Water Reach) | Water Year Water Year Type |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Month | Note | Without <br> Pumping <br> (cfs) | Flow (cfs) | $\begin{gathered} \text { Fow } \\ \begin{array}{c} \text { Fifference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Diffow } \\ & \text { Difference } \end{aligned}$ (ffs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Diflow } \\ \begin{array}{c} \text { Diference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \begin{array}{c} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| ME5 | 335023 | 2017 | Wet | February - | -- | 82,135.4 | 82,126.2 | 9.3 | 0.0\% | 82,125.0 | 10.4 | 0.0\% | 82,122.7 | 12.7 | 0.0\% | 82,120.4 | 15.0 | 0.0\% | 82,118.1 | 17.4 | 0.0\% | 82,114.6 | 20.8 | 0.0\% |
| ME5 | 335023 | 2017 | Wet | March |  | 27,36.9 | 27,35.8 | 8.1 | 0.0\% | 27,357.6 | 9.3 | 0.0\% | 27,355.3 | 11.6 | 0.0\% | 27,353.0 | 13.9 | 0.1\% | 27,350.7 | 16.2 | 0.1\% | 27,348.4 | 18.5 | 0.1\% |
| ME5 | 335023 | 2017 | Wet | April | - | 23,035.9 | 23,028.9 | 6.9 | 0.0\% | 23,027.8 | 8.1 | 0.0\% | 23,025.5 | 10.4 | 0.0\% | 23,023.1 | 12.7 | 0.1\% | 23,020.8 | 15.0 | 0.1\% | 23,019.7 | 16.2 | 0.1\% |
| ME5 | 335023 | 2017 | Wet | May | - | 6,276.2 | 6,266.2 | 10.0 | 0.2\% | 6,264.8 | ${ }^{11.3}$ | 0.2\% | 6,261.9 | 14.2 | 0.2\% | 6,259.1 | 17.0 | 0.3\% | 6,256.3 | 19.9 | 0.3\% | 6,253.2 | 22.9 | 0.4\% |
| ME5 | 335023 | 2017 | wet | June | - | 2,129.2 | 2,110.0 | 19.2 | 0.9\% | 2,107.3 | 21.9 | 1.0\% | 2,101.9 | 27.3 | 1.3\% | 2,096.4 | 32.8 | 1.5\% | 2,091.0 | 38.2 | 1.8\% | 2,085.5 | 43.6 | 2.0\% |
| ME5 | 335023 | 2017 | wet | July | - | 942.0 | 921.0 | 21.0 | 2.2\% | 918.0 | 24.0 | 2.5\% | 912.1 | 29.9 | 3.2\% | 906.1 | 35.9 | 3.8\% | 900.2 | 41.8 | 4.4\% | 894.3 | 47.8 | 5.1\% |
| ME5 | 335023 | 2017 | Wet | August | -- | 514.3 | 493.8 | 20.5 | 4.0\% | 490.9 | 23.4 | 4.6\% | 485.0 | 29.2 | 5.7\% | 479.2 | 35.0 | 6.8\% | 473.4 | 40.9 | 7.9\% | 467.6 | 46.7 | 9.1\% |
| ME5 | 335023 | 2017 | Wet | September | Used in Summary Table Analysis | 329.3 | 310.3 | 19.0 | 5.8\% | 307.6 | 21.7 | 6.6\% | 302.2 | 27.1 | 8.2\% | 296.7 | 32.5 | 9.9\% | 291.3 | 38.0 | 11.5\% | 285.9 | 43.4 | 13.2\% |
| ME5 | 335023 | 2018 | Above Normal | October | Used in Summary Table Analysis | 282.0 | 266.9 | 15.1 | 5.4\% | 264.7 | 17.3 | 6.1\% | 260.4 | 21.7 | 7.7\% | 256.0 | 26.1 | 9.2\% | 251.6 | 30.4 | 10.8\% | 247.3 | 34.8 | 12.3\% |
| ME5 | 335023 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,905.6 | 10,893.6 | 11.9 | 0.1\% | 10,891.9 | 13.7 | 0.1\% | 10,888.5 | 17.0 | 0.2\% | 10,885.0 | 20.6 | 0.2\% | 10,881.5 | 24.1 | 0.2\% | 10,878.0 | 27.5 | 0.3\% |
| ME5 | 335023 | 2018 | Above Normal | December - | -- | 5,457.3 | 5,447.1 | 10.2 | 0.2\% | 5,445.7 | 11.6 | 0.2\% | 5,422.8 | 14.5 | 0.3\% | 5,439.8 | 17.5 | 0.3\% | 5,436.8 | 20.5 | 0.4\% | 5,433.8 | 23.5 | 0.4\% |
| ME5 | 335023 | 2018 | Above Normal | January | - | 17,975.7 | 17,966.4 | 9.3 | 0.1\% | 17,965.3 | 10.4 | 0.1\% | 17,963.0 | 12.7 | 0.1\% | 17,960.6 | 15.0 | 0.1\% | 17,957.2 | 18.5 | 0.1\% | 17,954.9 | 20.8 | 0.1\% |
| ME5 | 335023 | 2018 | Above Normal | February | - | 7,607.2 | 7,599.1 | 8.1 | 0.1\% | 7,597.9 | 9.3 | 0.1\% | 7,595.5 | 11.7 | 0.2\% | 7,593.2 | 14.0 | 0.2\% | 7,590.7 | 16.4 | 0.2\% | 7,588.3 | 18.9 | 0.2\% |
| ME5 | 335023 | 2018 | Above Normal | March | - | 20,825.2 | 20,818.3 | 6.9 | 0.0\% | 20,817.1 | 8.1 | 0.0\% | 20,84.8 | 10.4 | 0.1\% | 20,812.5 | 12.7 | 0.1\% | 20,810.2 | 15.0 | 0.1\% | 20,807.9 | 17.4 | 0.1\% |
| ME5 | 335023 | 2018 | Above Normal | April | - | 32,388.4 | 32,341.4 | 6.9 | 0.0\% | 32,340.3 | 8.1 | 0.0\% | 32,338.0 | 10.4 | 0.0\% | 32,335.6 | 12.7 | 0.0\% | 32,334.5 | 13.9 | 0.0\% | 32,332.2 | 16.2 | 0.1\% |
| ME 5 | 335023 | 2018 | Above Normal | May | - | 6,993.6 | 6,978.7 | 14.9 | 0.2\% | 6,976.5 | 17.1 | 0.2\% | 6,972.2 | 21.4 | 0.3\% | 6,967.9 | 25.7 | 0.4\% | 6,963.7 | 30.0 | 0.4\% | 6,959.6 | 34.0 | 0.5\% |
| ME5 | 335023 | 2018 | Above Normal | June | - | 1,919.7 | 1,900.2 | 19.4 | 1.0\% | 1,897.5 | 22.2 | 1.2\% | 1,892.0 | 27.7 | 1.4\% | 1,886.6 | 33.1 | 1.7\% | 1,881.0 | 38.7 | 2.0\% | 1,875.5 | 44.2 | 2.3\% |
| ME5 | 335023 | 2018 | Above Normal | July | - | 787.8 | 766.7 | 21.1 | 2.7\% | 763.7 | 24.1 | 3.1\% | 757.7 | 30.1 | 3.8\% | 751.7 | 36.1 | 4.6\% | 745.7 | 42.2 | 5.4\% | 739.7 | 48.1 | 6.1\% |
| ME5 | 335023 | 2018 | Above Normal | August | -- | 449.1 | 429.4 | 19.7 | 4.4\% | 426.5 | 22.6 | 5.0\% | 420.9 | 28.2 | 6.3\% | 415.3 | 33.8 | 7.5\% | 409.6 | 39.5 | 8.8\% | 404.0 | 45.1 | 10.0\% |
| ME5 | 335023 | 2018 | Above Normal | September | Used in Summary Table Analysis | 306.1 | 287.1 | 19.0 | 6.2\% | 284.4 | 21.7 | 7.1\% | 278.9 | 27.1 | 8.9\% | 273.5 | 32.6 | 10.6\% | 268.0 | 38.0 | 12.4\% | 262.6 | 43.5 | 14.2\% |
| ME 5 | 335023 | 2019 | Below Normal | October | Used in Summary Table Analysis | 212.8 | 197.9 | 14.9 | 7.0\% | 195.8 | 17.0 | 8.0\% | 191.5 | 21.3 | 10.0\% | 187.1 | 25.7 | 12.1\% | 182.9 | 29.9 | 14.0\% | 178.6 | 34.2 | 16.1\% |
| ME5 | 335023 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,698.8 | 6,686.8 | 12.0 | 0.2\% | 6,685.1 | 13.8 | 0.2\% | 6,681.6 | 17.2 | 0.3\% | 6,678.1 | 20.7 | 0.3\% | 6,674.5 | 24.3 | 0.4\% | 6,67.1 | 27.8 | 0.4\% |
| ME5 | 335023 | 2019 | Below Normal | December - | -- | 14,792.8 | 14,782.4 | 10.4 | 0.1\% | 14,781.3 | 11.6 | 0.1\% | 14,777.8 | 15.0 | 0.1\% | 14,775.5 | 17.4 | 0.1\% | 14,772.0 | 20.8 | 0.1\% | 14,768.5 | 24.3 | 0.2\% |
| ME5 | 335023 | 2019 | Below Normal | January | -- | 35,476.9 | 35,467.6 | 9.3 | 0.0\% | 35,465.3 | 11.6 | 0.0\% | 35,463.0 | 13.9 | 0.0\% | 35,460.6 | 16.2 | 0.0\% | 35,457.2 | 19.7 | 0.1\% | 35,454.9 | 22.0 | 0.1\% |
| ME 5 | 335023 | 2019 | Below Normal | February | - | 142,199.1 | 142,187.5 | 11.6 | 0.0\% | 142,187.5 | 11.6 | 0.0\% | 142,187.5 | 11.6 | 0.0\% | 142,175.9 | 23.1 | 0.0\% | 142,175.9 | 23.1 | 0.0\% | 142,175.9 | 23.1 | 0.0\% |
| ME 5 | 335023 | 2019 | Below Normal | March | -- | 42,459.5 | 42,451.4 | 8.1 | 0.0\% | 42,450.2 | 9.3 | 0.0\% | 42,447.9 | 11.6 | 0.0\% | 42,445.6 | 13.9 | 0.0\% | 42,444.4 | 15.0 | 0.0\% | 42,442.1 | 17.4 | 0.0\% |
| ME5 | 335023 | 2019 | Below Normal | April |  | 15,311.3 | 15,304.4 | 6.9 | 0.0\% | 15,303.2 | 8.1 | 0.1\% | 15,300.9 | 10.4 | 0.1\% | 15,298.6 | 12.7 | 0.1\% | 15,296.3 | 15.0 | 0.1\% | 15,295.1 | 16.2 | 0.1\% |
| ME5 | 335023 | 2019 | Below Normal | May | - | 17,135.4 | 17,199.2 | 16.2 | 0.1\% | 17,116.9 | 18.5 | 0.1\% | 17,113.4 | 22.0 | 0.1\% | 17,108.8 | 26.6 | 0.2\% | 17,104.2 | 31.3 | 0.2\% | 17,099.5 | 35.9 | 0.2\% |
| ME5 | 335023 | 2019 | Below Normal | June | - | 4,243.4 | 4,222.5 | 20.9 | 0.5\% | 4,219.4 | 24.0 | 0.6\% | 4,213.7 | 29.7 | 0.7\% | 4,208.0 | 35.4 | 0.8\% | 4,202.4 | 41.0 | 1.0\% | 4,196.8 | 46.6 | 1.1\% |
| ME 5 | 335023 | 2019 | Below Normal | July | - | 1,369.0 | 1,347.8 | 21.2 | 1.5\% | 1,344.8 | 24.2 | 1.8\% | 1,338.8 | 30.2 | 2.2\% | 1,332.8 | 36.2 | 2.6\% | 1,326.7 | 42.2 | 3.1\% | 1,320.7 | 48.3 | 3.5\% |
| ME5 | 335023 | 2019 | Below Normal | August | s | 603.8 | 583.6 | 20.3 | 3.4\% | 580.7 | ${ }^{23.2}$ | 3.8\% | 574.9 | 29.0 | 4.8\% | 569.2 | 34.7 | 5.7\% | 563.4 | 40.5 | ${ }^{6.7 \%}$ | 557.6 | 46.2 | 7.7\% |
| ME5 5 | 335023 | 2019 | Below Normal | September | Used in Summary Table Analysis | 469.1 | 450.2 | 18.9 | 4.0\% | 447.4 | ${ }^{21.6}$ | 4.6\% | 442.0 | 27.0 | 5.8\% | ${ }^{436.6}$ | ${ }^{32.4}$ | 6.9\% | 431.2 | 37.9 | 8.1\% | ${ }^{425.8}$ | ${ }^{43.3}$ | 9.2\% |
| ME5 | 335023 <br> 335023 | 2020 2020 | Dry | October | Used in Summary Table Analysis | 360.8 | 346.4 3178 | 14.4 | $4.0 \%$ <br> $3.4 \%$ <br> 1 | 344.4 3162 | 16.4 130 | $4.6 \%$ $3.9 \%$ | 340.2 <br> 312.8 <br> 1.4 | 20.6 163 | $5.7 \%$ $5.0 \%$ 0.0 | 336.1 3095 | 24.7 19.6 | 6.9\% | 331.9 3062 | 28.9 229 | $8.0 \%$ $7.0 \%$ 0.0 | 327.7 3029 | 33.1 26.3 | $9.2 \%$ $8.0 \%$ 0.08 |
| ME 5 ME 5 | 335023 <br> 335023 | 2020 2020 | Dry Dry | November December | Used in Summary Table Analysis | 329.1 $13,469.9$ | 317.8 <br> $13,459.5$ <br> 2.4 | $\begin{aligned} & 11.3 \\ & 10.4 \end{aligned}$ | $\begin{aligned} & 3.4 \% \\ & 0.1 \% \\ & 0 \end{aligned}$ | $\begin{gathered} 316.2 \\ 13,458.3 \end{gathered}$ | $\begin{aligned} & 13.0 \\ & 11.6 \end{aligned}$ | $\begin{aligned} & 3.9 \% \% \\ & 0.1 \% \end{aligned}$ | $\begin{gathered} 312.8 \\ 13,454.9 \end{gathered}$ | $\begin{aligned} & 16.3 \\ & 15.0 \end{aligned}$ | $\begin{aligned} & 5.0 \% \\ & 0.1 \% \\ & 0.0 \end{aligned}$ | 309.5 $13,452.5$ 12.5 | 19.6 17.4 1.4 | ${ }_{\text {c }}^{6.1 \%}$ | ${ }_{\substack{306.2 \\ 13,499.1}}$ | 22.9 20.8 | 7.0\% $0.2 \%$ | 302.9 <br> $13,446.8$ <br> 18.8 | 26.3 23.1 23, | $8.0 \%$ $0.2 \%$ |
| ME 5 | 335023 | 2020 | Dry | January | -- | 22,475.7 | 22,466.4 | 9.3 | 0.0\% | 22,465.3 | 10.4 | 0.0\% | 22,461.8 | 13.9 | 0.1\% | 22,459.5 | 16.2 | 0.1\% | 22,456.0 | 19.7 | 0.1\% | 22,453.7 | 22.0 | 0.1\% |
| ME5 | 335023 | 2020 | Dry | February |  | 7,421.1 | 7,412.8 | 8.2 | 0.1\% | 7,411.6 | 9.5 | 0.1\% | 7,409.1 | 11.9 | 0.2\% | 7,406.6 | 14.5 | 0.2\% | 7,404.2 | 16.9 | 0.2\% | 7,401.7 | 19.3 | 0.3\% |
| ME 5 | 335023 | 2020 | Dry | March | - | 7,270.9 | 7,263.2 | 7.8 | 0.1\% | 7,262.0 | 8.9 | 0.1\% | 7,259.7 | 11.2 | 0.2\% | 7,257.4 | 13.5 | 0.2\% | 7,255.1 | 15.9 | 0.2\% | 7,252.8 | 18.2 | 0.2\% |
| ME5 | 335023 | 2020 | Dry | April | - | 5,512.4 | 5,496.6 | 15.7 | 0.3\% | 5,494.3 | 18.1 | 0.3\% | 5,489.8 | 22.6 | 0.4\% | 5,485.2 | 27.2 | 0.5\% | 5,480.7 | 31.7 | 0.6\% | 5,476.0 | 36.3 | 0.7\% |
| ME5 | 335023 | 2020 | Dry | May | - | 7,414.7 | 7,395.7 | 19.0 | 0.3\% | 7,393.1 | 21.6 | 0.3\% | 7,387.6 | 27.1 | 0.4\% | 7,382.1 | 32.6 | 0.4\% | 7,376.6 | 38.1 | 0.5\% | 7,371.2 | 43.5 | 0.6\% |
| ME5 | 335023 | 2020 | Dry | June | -- | 2,106.1 | 2,081.3 | 24.9 | 1.2\% | 2,077.8 | 28.4 | 1.3\% | 2,071.1 | 35.1 35.1 | 1.7\% | 2,064.2 | 41.9 | 2.0\% | 2,057.5 | 48.6 | 2.3\% | 2,050.7 | 55.4 | 2.6\% |
| M E 5 | 335023 <br> 335023 | 2020 | Dry | July | - | 801.3 | 776.7 | 24.6 24.4 | 3.1\% | 773.1 3765 | 28.2 27.8 | 3.5\% | 766.1 | 35.2 <br> 34.2 | 4.4\% | 759.1 | 42.2 | 5.3\% | 752.0 3565 | 49.3 | ${ }^{6.1 \%}$ | 745.0 358 | 56.3 55.7 | 7.0\% |
| ME 5 | $\begin{array}{r}335023 \\ 335023 \\ \hline\end{array}$ | 2020 2020 | Dry | August September | -- Used in Summary Table Analysis | 404.4 2537 | 380.0 2317 | 24.4 21.9 | $6.0 \%$ $8.6 \%$ | 376.5 228.6 | 27.8 25.1 | 6.9\% | 369.6 220.5 | 34.8 32.2 | 8.6\% 12.7 | 362.6 214.9 | 41.8 388 | 10.3\% 153\% | 355.6 208.1 | 48.7 45.5 | 12.0\% | 348.7 <br> 2014 <br> 10.4 | 55.7 52.7 | $13.8 \%$ $20.6 \%$ |
| ME5 ME5 | 335023 325024 3 | 2020 2000 | Dry Above Normal | September October | Used in Summary Table Analysis | 253.7 825.8 | 231.7 810.6 | 21.9 15.2 | 8.6\% $1.8 \%$ | 228.6 808.4 | 25.1 17.4 | 9.9\% | 221.5 804.1 | 32.2 21.7 | 12.7\% | 214.9 799.7 | 38.8 26.1 | 15.3\% | 208.1 795.3 | 45.5 30.5 | 17.9\% | 201.4 790.9 | 52.2 34.9 | 20.6\% $4.2 \%$ |
| ME 5 | 325024 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,267.4 | 12,255.8 | 11.6 | 0.1\% | 12,253.5 | 13.9 | 0.1\% | 12,250.0 | 17.4 | 0.1\% | 12,246.5 | 20.8 | 0.2\% | 12,243.1 | 24.3 | 0.2\% | 12,239.6 | 27.8 | 0.2\% |
| ME5 | 325024 | 2000 | Above Normal | December - |  | 10,890.3 | 10,880.0 | 10.3 | 0.1\% | 10,878.5 | 11.8 | 0.1\% | 10,875.5 | 14.8 | 0.1\% | 10,872.3 | 17.9 | 0.2\% | 10,869.3 | 20.9 | 0.2\% | 10,866.2 | 24.1 | 0.2\% |
| ME5 | 325024 | 2000 | Above Normal | January | - | 28,825.2 | 28,816.0 | 9.3 | 0.0\% | 28,814.8 | 10.4 | 0.0\% | 28,811.3 | 13.9 | 0.0\% | 28,809.0 | 16.2 | 0.1\% | 28,805.6 | 19.7 | 0.1\% | 28,803.2 | 22.0 | 0.1\% |
| ME5 | 325024 | 2000 | Above Normal | February | - | 37,203.7 | 37,195.6 | 8.1 | 0.0\% | 37,193.3 | 10.4 | 0.0\% | $37,191.0$ 1835.3 l | 12.7 | 0.0\% | $37,188.7$ 18535 | 15.0 | ${ }^{0.0 \%}$ | $37,186.3$ 18,3507 12,380 | 17.4 | 0.0\% | $37,184.0$ 183484 12384 | 19.7 185 | 0.1\% |
| ME 5 | 325024 | 2000 | Above Normal | March | - | 18,36.9 | 18,358.8 | 8.1 | 0.0\% | 18,357.6 | 9.3 | 0.1\% | 18,355.3 | 11.6 | 0.1\% | 18,353.0 | 13.9 | 0.1\% | 18,350.7 | 16.2 | 0.1\% | 18,348.4 | 18.5 | 0.1\% |
| ME5 5 | 325024 | 2000 | Above Normal | April | - | 12,353.0 | 12,346.1 | ${ }_{6}^{6.9}$ | 0.1\% | 12,344.9 | 8.1 | ${ }^{0.1 \%}$ | $12,342.6$ 7 7 2,51. | 10.4 | ${ }^{0.1 \%}$ | $12,340.3$ 7 7 | ${ }_{26.7}^{12.7}$ | 0.1\% | 12,338.0 | 15.0 31.0 | $0.1 \%$ <br> $0.4 \%$ | $12,335.6$ 7,0917 | 17.4 <br> 35. | 0.1\% |
| ME5 | 325024 | 2000 | Above Normal | May |  | 7,127.2 | 7,111.8 | 15.4 | 0.2\% | 7,109.6 | 17.6 | 0.2\% | 7,105.1 | 22.1 | 0.3\% | 7,100.6 | 26.6 | 0.4\% | 7,096.2 | 31.0 | 0.4\% | 7,091.7 | 35.5 | $0.5 \%$ <br> $2.0 \%$ <br> 8 |
| ME5 | 325024 <br> 325024 | 2000 200 | Above Normal | June | -- | $2,624.7$ <br> 998.6 | $2,601.6$ 977.4 | 23.0 21.2 | 0.9\% | 2,598.4 | 26.3 24.3 | $1.0 \%$ $2.4 \%$ | 2,591.8 968.3 | 32.9 30.3 | $1.3 \%$ $3.0 \%$ l | 2,585.2 962.3 | 39.5 36.3 | $1.5 \%$ $3.6 \%$ | $2,578.7$ 956.3 | 45.9 42.3 | $1.8 \%$ $4.2 \%$ | 2,572.1 950.3 | 52.5 48.3 | $2.0 \%$ $4.8 \%$ |
| ME5 | 325024 <br> 325024 | 2000 | Above Normal Above Normal | July $\begin{aligned} & \text { Jugust }\end{aligned}$ | -- | 998.6 529.1 | 977.4 509.1 | 21.2 20.1 | ${ }_{\text {2.1.8\% }}$ | 974.4 506.2 | 24.3 22.9 | ${ }_{\text {2. }}^{\text {2.4\% }}$ | 968.3 500.5 | 30.3 28.6 | $3.0 \%$ $5.4 \%$ | 962.3 494.8 | 36.3 <br> 34.3 | 3.6\% 6.5 | 956.3 489.1 | 42.3 40.0 | 4.2\% $7.6 \%$ | 950.3 483.4 | 48.3 45.8 | ${ }^{4.8 \%}$ |
| ME5 | 325024 | 2000 | Above Normal | September | Used in Summary Table Analysis | 301.7 | 283.8 | 17.9 | 5.9\% | 281.2 | 20.5 | 6.8\% | 276.1 | 25.6 | 8.5\% | 270.9 | 30.7 | 10.2\% | 265.8 | 35.9 | 11.9\% | 260.7 | 41.0 | 13.6\% |
| ME5 | 325024 | 2001 | Dry | October | Used in Summary Table Analysis | 3,850.7 | 3,835.8 | 14.9 | 0.4\% | 3,833.6 | 17.1 | 0.4\% | 3,829.3 | 21.4 | 0.6\% | 3,825.0 | 25.7 | 0.7\% | 3,820.7 | 30.0 | 0.8\% | 3,816.3 | 34.4 | 0.9\% |
| ME5 | 325024 | 2001 | Dry | November | Used in Summary Table Analysis | 6,180.8 | 6,168.8 | 12.0 | 0.2\% | 6,167.0 | 13.8 | 0.2\% | 6,163.5 | 17.2 | 0.3\% | 6,160.1 | 20.7 | 0.3\% | 6,156.6 | 24.2 | 0.4\% | 6,153.0 | 27.8 | 0.4\% |
| ME5 | 325024 | 2001 | Dry | December - |  | 8,895.4 | 8,885.0 | 10.4 | 0.1\% | 8,883.4 | 11.9 | ${ }^{0.1 \%}$ | 8,880.4 | 14.9 | 0.2\% | $8,877.4$ 128831 | 17.9 | ${ }^{0.2 \%}$ | $8,874.4$ <br> 12879 | 20.9 185 | 0.2\% | $8,871.4$ 128773 17 | 24.0 | 0.3\% |
| ME5 | 325024 | 2001 | Dry | January | - | 12,898.1 | 12,888.9 | 9.3 | 0.1\% | 12,887.7 | 10.4 | 0.1\% | 12,885.4 | 12.7 | 0.1\% | 12,883.1 | 15.0 | 0.1\% | 12,879.6 | 18.5 | 0.1\% | 12,877.3 | 20.8 | 0.2\% |
| ME5 5 | 325024 32524 | 2001 | Dry | February | $\cdots$ | $17,539.4$ 123322 | 17,531.3 | 8.1 81 | 0.0\% | $17,530.1$ 123229 | 9.3 | 0.1\% | $17,527.8$ 12320.6 | 11.6 | 0.1\% |  | 13.9 <br> 139 <br> 1.9 | $0.1 \%$ $0.1 \%$ | $17,523.1$ 12.316 .0 | 16.2 16.2 | 0.1\% | $17,520.8$ 12.3137 1 | 18.5 18.5 | 0.1\% |
| ME 5 ME5 | 325024 | 2001 | Dry | March | - | 12,332.2 | 12,324.1 | 8.1 | 0.1\% | 12,322.9 | 9.3 | 0.1\% | 12,320.6 | 11.6 | 0.1\% | 12,318.3 | 13.9 | 0.1\% | 12,316.0 | 16.2 | 0.1\% | 12,313.7 | 18.5 | 0.2\% |
| ME5 5 | 325024 | 2001 | Dry | April | - | 11,008.8 | 10,992.8 | 16.0 | 0.1\% | 10,990.6 | 18.2 | 0.2\% | 10,986.0 | ${ }^{22.8}$ | 0.2\% | 10,981.4 | 27.4 | 0.2\% | 10,976.9 | ${ }^{31.9}$ | 0.3\% | 10,972.2 | 36.6 | 0.3\% |
|  | 325024 | 2001 | Dry | May | - | 2,638.5 | 2,619.7 | 18.9 | 0.7\% | 2,617.0 | 21.5 | 0.8\% | 2,611.6 | 27.0 | 1.0\% | 2,606.1 | 32.4 | 1.2\% | 2,600.8 | 37.7 | 1.4\% | 2,595.4 | 43.2 | 1.6\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan




| Flow (cfs) |
| :---: |
| 18,260.4 |
| 45,648.1 |
| 26,935.2 |
| 7,487.5 |
| 5,524.5 |
| 2,221.6 |
| 375.0 |
| 238.9 |
| 1,920.1 |
| 14,799.8 |
| 60,261.6 |
| 22,273.1 |
| 8,875.7 |
| $10,381.1$ 8,294 |
| $8,294.2$ $4,436.3$ |
| 2,097.1 |
| 701.1 |
| 325.9 |
| 4,800.5 |
| 267.4 |
| 1,544.9 |
| 1,590.7 |
| 2,831.7 |
| 15,800.9 |
| 31,550.9 |
| 12,998.8 |
| 5,184.8 |
| $1,178.8$ <br> 526.4 <br> 306 |
| 330.6 |
| 2,567.8 |
| 11,407.2 |
| 9,091.8 |
| 32,855.3 |
| 14,604.2 |
| 27,322.9 |
| 11,585.6 |
| 8,435.2 |
| 1,492.4 |
| 632.3 |
| 249.1 |
| 148.7 |
| 104.6 |
| 72.0 |
| 3,910.8 |
| 36,900.5 |
| 57,611.1 |
| 24,307.9 |
| 41,910.9 |
| 18,568.3 |
| 5,219.6 |
| 1,496.9 |
| 808.9 |
| 478.1 |
| 316.2 |
| 18,383.1 |
| 18,937.5 |
| 24,297.5 |
| 107,464.1 |
| 82,162.0 |
| 27,370.4 |
| 23,041.7 |

\(-\frac{100 \% Pumping Increase}{\substack{Flow <br>

Difference}}\)| Percent |
| :---: |
| (cs) | $150 \%$ Pumping Increas $\begin{gathered}\text { Flow } \\ \text { Difference }\end{gathered}$

Perce


 \begin{tabular}{|c}
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\text { (ffss }\end{array}$ <br>
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$0.1 \%$ <br>
$0.4 \%$ <br>
$0.7 \%$ <br>
$1.8 \%$ <br>
$1.1 \%$ <br>
$81.3 \%$ <br>
$1.3 \%$ <br>
$0.1 \%$ <br>
$0.0 \%$ <br>
$0.1 \%$ <br>
$0.2 \%$ <br>
$0.1 \%$ <br>
$0.3 \%$ <br>
$0.7 \%$ <br>
$1.8 \%$ <br>
$5.1 \%$ <br>
$10.0 \%$ <br>
$0.7 \%$ <br>
$9.4 \%$ <br>
$1.4 \%$ <br>
$1.2 \%$ <br>
$0.6 \%$ <br>
$0.1 \%$ <br>
$0.0 \%$ <br>
$0.2 \%$ <br>
$0.6 \%$ <br>
$3.7 \%$ <br>
$7.5 \%$ <br>
$11.4 \%$ <br>
$1.5 \%$ <br>
$0.3 \%$ <br>
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$2.1 \%$ <br>
$6.4 \%$ <br>
$15.5 \%$ <br>
$03.5 \%$ <br>
$22.8 \%$ <br>
$36.0 \%$ <br>
$0.6 \%$ <br>
$0.1 \%$ <br>
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$2.1 \%$ <br>
$4.4 \%$ <br>
$7.2 \%$ <br>
$10.0 \%$ <br>
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0.3 <br>
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\end{tabular}

 Difference Percent Fiow
Difference

位hy Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
EER River Valley Groundwater sustainability Plan
Humboldt County Grondwate Susan


| Model Cell (Row, Column, |
| :---: |
| Surface WaterReach) |
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|  |
| 324925 |
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| 324925 |
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| 32495 |
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| 32492 |
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| 324925 <br> 32925 |
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| $\begin{array}{r}324925 \\ 324925 \\ \hline\end{array}$ |
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| 324925 <br> 324925 |
| 324925 32925 |
| 324925 |



 Note $\qquad$ Used in Summary Table Analysis

 sed in Summary Table Analysis
 $-\quad$ 75\% Pumping Increase $\quad 100 \%$ Pumping Increase $\longrightarrow \quad 150 \%$ Pumping Increase

Flow
Difference




 Difference
(cfs)

 (cfs) Difference Percent Flow Flow
Difference Perce (cfs) Difference Flow (cfs) Flow Flow
Difference
Perce



 Flow
Difference
nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Itnterest
Eel River Valley Groundwater Sustainability Plan



|  |  <br>  |
| :---: | :---: |

- $100 \%$ Pumping Increase - $150 \%$ Pumping Increase $200 \%$ 200\% Pumping Incr

Flow
Difference Difference
(cts) $\begin{gathered}\text { Percent } \\ \text { Difference }\end{gathered}$




Flow
Flow
Difference

26,9953.2
$7,774.5$


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Flow
Differenc

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
EER River Valley Groundwater sustainability Plan
Humboldt County Grondwate Susa

|  | (Row, Column, Surface Water Reach) | Water Year Water Year Type |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Month | Note | Without <br> Pumping <br> (cfs) | Flow (cfs) | $\begin{aligned} & \text { Fifow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cts) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Diffow } \\ & \text { Difference } \end{aligned}$ (ffs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Fifference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fiffow } \\ \begin{array}{c} \text { Diffence } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference |
| ME 5 | 32425 | 2012 | Below Normal | June | - | 5,552.2 | 5,528.1 | 24.1 | 0.4\% | 5,524.7 | 27.5 | 0.5\% | 5,517.8 | 34.4 | 0.6\% | 5,511.1 | 41.1 | 0.7\% | 5,504.3 | 47.9 | 0.9\% | 5,497.3 | 54.9 | 1.0\% |
| ME5 | 324925 | 2012 | Below Normal | July | - | 2,247.1 | 2,224.2 | 22.9 | 1.0\% | 2,220.8 | 26.3 | 1.2\% | 2,214.4 | 32.8 | 1.5\% | 2,207.8 | 39.4 | 1.8\% | 2,200.2 | 45.9 | 2.0\% | 2,194.6 | 52.5 | 2.3\% |
| ME5 | 324925 | 2012 | Below Normal | August | -- | 395.0 | 376.3 | 18.8 | 4.7\% | 373.6 | 21.4 | 5.4\% | 368.3 | 26.8 | 6.8\% | 362.9 | 32.1 | 8.1\% | 357.6 | 37.4 | 9.5\% | 352.2 | 42.8 | 10.8\% |
| ME 5 | 324925 | 2012 | Below Normal | September | Used in Summary Table Analysis | 257.1 | 240.2 | 16.9 | 6.6\% | 237.8 | 19.3 | 7.5\% | 233.0 | 24.1 | 9.4\% | 228.2 | 28.8 | 11.2\% | 223.5 | ${ }^{33.6}$ | 13.1\% | 218.7 | 38.4 | 14.9\% |
| ME 5 | 324925 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,937.5 | 1,922.7 | 14.8 | 0.8\% | 1,920.6 | 16.9 | 0.9\% | 1,916.3 | 21.2 | 1.1\% | 1,912.2 | 25.3 | 1.3\% | 1,907.9 | 29.6 | 1.5\% | 1,903.6 | 33.9 | 1.8\% |
| ME5 | 324925 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,822.9 | 14,811.3 | 11.6 | 0.1\% | 14,809.0 | 13.9 | 0.1\% | 14,805.6 | 17.4 | 0.1\% | 14,802.1 | 20.8 | 0.1\% | 14,798.6 | 24.3 | 0.2\% | 14,795.1 | 27.8 | 0.2\% |
| ME5 | 324925 | 2013 | Below Normal | December |  | 60,296.3 | 60,284.7 | 11.6 | 0.0\% | 60,283.6 | 12.7 | 0.0\% | 60,280.1 | 16.2 | 0.0\% | 60,277.8 | 18.5 | 0.0\% | 60,274.3 | 22.0 | 0.0\% | 60,270.8 | 25.5 | 0.0\% |
| ME5 | 324925 | 2013 | Below Normal | January | - | 22,290.5 | 22,281.3 | 9.3 | 0.0\% | 22,280.1 | 10.4 | 0.0\% | 22,277.8 | 12.7 | 0.1\% | 22,275.5 | 15.0 | 0.1\% | 22,272.0 | 18.5 | 0.1\% | 22,269.7 | 20.8 | 0.1\% |
| ME5 | 324925 | 2013 | Below Normal | February | - | 8,888.4 | 8,880.0 | 8.4 | 0.1\% | 8,878.7 | 9.7 | 0.1\% | $8,876.3$ | 12.2 | 0.1\% | 8,873.7 | 14.7 | 0.2\% | 8,871.3 | 17.1 | 0.2\% | 8,868.8 | 19.7 | 0.2\% |
| ME5 | 324925 | 2013 | Below Normal | March | - | 10,395.0 | 10,386.8 | 8.2 | 0.1\% | 10,385,6 | 9.4 | 0.1\% | 10,383.3 | 11.7 | 0.1\% | 10,380,9 | 14.1 | 0.1\% | 10,378.5 | 16.6 | 0.2\% | 10,376.0 | 19.0 | 0.2\% |
| ME5 | 324925 | 2013 | Below Normal | April | - | 8,311.8 | 8,296.8 | 15.0 | 0.2\% | 8,294.7 | 17.1 | 0.2\% | 8,290.4 | 21.4 | 0.3\% | 8,886.0 | 25.8 | 0.3\% | 8,281.7 | 30.1 | 0.4\% | 8,277.4 | 34.4 | 0.4\% |
| ME5 | 324925 | 2013 | Below Normal | May | - | 4,457.3 | 4,439.1 | 18.2 | 0.4\% | 4,436.6 | 20.7 | 0.5\% | 4,431.4 | 25.9 | 0.6\% | 4,426.2 | 31.1 | 0.7\% | 4,420.9 | 36.3 | 0.8\% | 4,415.7 | 41.6 | 0.9\% |
| ME5 | 324925 | 2013 | Below Normal | June | - | 2,120.5 | 2,098.6 | 21.9 | 1.0\% | 2,095.5 | 25.0 | 1.2\% | 2,089.2 | 31.3 | 1.5\% | 2,083.0 | 37.5 | 1.8\% | 2,076.7 | 43.8 | 2.1\% | 2,070.5 | 50.0 | 2.4\% |
| ME5 | 324925 | 2013 | Below Normal | July | - | 723.8 | 702.2 | 21.5 | 3.0\% | 699.2 | 24.5 | 3.4\% | 693.1 | 30.6 | 4.2\% | 687.0 | 36.7 | 5.1\% | 680.9 | 42.8 | 5.9\% | 674.9 | 48.9 | 6.8\% |
| ME5 | 324925 | 2013 | Below Normal | August | -- | 347.4 | 327.1 | 20.3 | 5.8\% | 324.2 | 23.1 | 6.7\% | 318.4 | 28.9 | 8.3\% | 312.7 | 34.7 | 10.0\% | 306.9 | 40.5 | 11.7\% | 301.1 | 46.3 | 13.3\% |
| ME 5 | 324925 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,825.1 | 4,804.1 | 21.1 | 0.4\% | 4,801.0 | 24.1 | 0.5\% | 4,795.0 | 30.1 | 0.6\% | 4,789.0 | 36.1 | 0.7\% | 4,783.0 | 42.1 | 0.9\% | 4,777.0 | 48.1 | 1.0\% |
| ME5 | 324925 | 2014 | Critical | October | Used in Summary Table Analysis | 283.9 | 268.4 | 15.5 | 5.5\% | 266.1 | 17.7 | 6.3\% | 261.7 | 22.2 | 7.8\% | 257.2 | 26.7 | 9.4\% | 25.7 | 31.2 | 11.0\% | 248.2 | 35.7 | 12.6\% |
| ME5 | 324925 | 2014 | Critical | November | Used in Summary Table Analysis | 1,559.6 | 1,547.1 | 12.5 | 0.8\% | 1,545.4 | 14.2 | 0.9\% | 1,541.7 | 17.9 | 1.2\% | 1,538.1 | 21.5 | 1.4\% | 1,534.4 | 25.2 | 1.6\% | 1,530.8 | 28.8 | 1.8\% |
| ME5 | 324925 | 2014 | Critical | December |  | 1,603.2 | 1,592.4 | 10.9 | 0.7\% | 1,590.7 | 12.5 | 0.8\% | 1,587.6 | 15.6 | 1.0\% | 1,584.5 | 18.8 | 1.2\% | 1,581.3 | 22.0 | 1.4\% | 1,578.1 | 25.1 | 1.6\% |
| ME5 | 324925 | 2014 | Critical | January | -- | 2,843.8 | 2,834.0 | 9.7 | 0.3\% | 2,832.6 | 11.1 | 0.4\% | 2,829.9 | 13.9 | 0.5\% | 2,827.0 | 16.8 | 0.6\% | 2,824.1 | 19.7 | 0.7\% | 2,821.3 | 22.5 | 0.8\% |
| ME 5 | 324925 | 2014 | Critical | February | -- | 15,814.8 | 15,806.7 | 8.1 | 0.1\% | 15,805.6 | 9.3 | 0.1\% | 15,802.1 | 12.7 | 0.1\% | 15,799.8 | 15.0 | 0.1\% | 15,797.5 | 17.4 | 0.1\% | 15,795.1 | 19.7 | 0.1\% |
| ME5 | 324925 | 2014 | Critical | March | - | 31,56.0 | 31,557.9 | 8.1 | 0.0\% | 31,55.7 | 9.3 | 0.0\% | 31,554.4 | 11.6 | 0.0\% | 31,550.9 | 15.0 | 0.0\% | 31,548.6 | 17.4 | 0.1\% | 31,546.3 | 19.7 | 0.1\% |
| ME5 | 324925 | 2014 | Critical | April | - | 13,018.5 | 13,002.3 | 16.2 | 0.1\% | 13,000.0 | 18.5 | 0.1\% | 12,995.4 | 23.1 | 0.2\% | 12,990.7 | 27.8 | 0.2\% | 12,986.1 | 32.4 | 0.2\% | 12,981.5 | 37.0 | 0.3\% |
| ME5 | 324925 | 2014 | Critical | May | - | 5,206.3 | 5,187.0 | 19.2 | 0.4\% | 5,184.3 | 22.0 | 0.4\% | 5,178.8 | 27.4 | 0.5\% | 5,173.3 | 33.0 | 0.6\% | 5,167.7 | 38.5 | 0.7\% | 5,162.3 | 44.0 | 0.8\% |
| ME 5 | 324925 | 2014 | Critical | June | - | 1,206.5 | 1,180.1 | 26.4 | 2.2\% | 1,176.4 | 30.1 | 2.5\% | 1,169.0 | 37.5 | 3.1\% | 1,161.6 | 44.9 | 3.7\% | 1,154.1 | 52.4 | 4.3\% | 1,146.7 | 59.7 | 5.0\% |
| ME 5 | 324925 | 2014 | Critical | July | - | 552.0 | 527.5 | 24.6 | 4.5\% | 524.0 | 28.1 | 5.1\% | 517.0 | 35.1 | 6.4\% | 510.0 | 42.1 | 7.6\% | 503.0 | 49.1 | 8.9\% | 496.0 | 56.0 | 10.1\% |
| ME5 | 324925 | 2014 | Critical | August | -- | 355.3 | 331.7 | 23.6 | 6.6\% | 328.4 | 27.0 | 7.6\% | 321.6 | 33.7 | 9.5\% | 314.9 | 40.4 | 11.4\% | 308.2 | 47.2 | 13.3\% | 301.5 | 53.9 | 15.2\% |
| ME5 | 324925 | 2014 | Critical | September | Used in Summary Table Analysis | 2,593.2 | 2,569.9 | 23.3 | 0.9\% | 2,566.6 | 26.6 | 1.0\% | 2,560.1 | 33.1 | 1.3\% | 2,553.4 | 39.8 | 1.5\% | 2,546.6 | 46.5 | 1.8\% | 2,540.0 | 53.1 | 2.0\% |
| ME5 | 324925 | 2015 | Dry | October | Used in Summary Table Analysis | 11,431.7 | 11,413.1 | 18.6 | 0.2\% | 11,410.4 | 21.3 | 0.2\% | 11,405.3 | 26.4 | 0.2\% | 11,400.1 | 31.6 | 0.3\% | 11,394,9 | 36.8 | 0.3\% | 11,389.5 | 42.2 | 0.4\% |
| ME 5 | 324925 | 2015 | Dry | November | Used in Summary Table Analysis | 9,111.8 | 9,097.9 | 13.9 | 0.2\% | 9,095.9 | 15.9 | 0.2\% | 9,091.9 | 19.9 | 0.2\% | 9,088.0 | 23.8 | 0.3\% | 9,083.9 | 27.9 | 0.3\% | 9,079.9 | 31.9 | 0.4\% |
| ME5 | 324925 | 2015 | Dry | December | - | 32,887.7 | 32,876.2 | 11.6 | 0.0\% | $32,875.0$ | 12.7 | 0.0\% | 32,871.5 | 16.2 | 0.0\% | 32,868.1 | 19.7 | 0.1\% | 32,864.6 | ${ }^{23.1}$ | 0.1\% | 32,861.1 | 26.6 | 0.1\% |
| ME5 5 | 324925 | 2015 | Dry | January | - | 14,619.2 | 14,608.8 | 10.4 | 0.1\% | 14,607.6 | 11.6 | 0.1\% | 14,604.2 | 15.0 | 0.1\% | 14,601.9 | 17.4 | 0.1\% | 14,598.4 | 20.8 | 0.1\% | 14,594.9 | 24.3 | 0.2\% |
| ME5 | 324925 <br> 324925 | 2015 | Dry | February | -- | $27,341.4$ 11,5972 | $27,332.2$ $11,588.0$ | ${ }_{9}^{9.3}$ | 0.0\% | $27,331.0$ 11,5868 | 10.4 10.4 | 0.0\% | $27,327.5$ <br> $11,584.5$ | 13.9 12.7 | 0.1\% | 27,35.2 11,582. | 16.2 <br> 150 <br> 1 | 0.1\% | $27,322.9$ <br> 11579 | 18.5 <br> 17.4 <br> 18.2 | 0.1\% | $27,319.4$ <br> 11575 <br> 18 | 22.0 197 | 0.1\% |
| ME 5 ME 5 | 324925 <br> 324925 | 2015 2015 | Dry Dry | March $\begin{gathered}\text { April }\end{gathered}$ | $\cdots$ | $11,597.2$ $8,457.3$ | $11,588.0$ $8,441.3$ | $\begin{gathered} 9.3 \\ 16.0 \end{gathered}$ | $\begin{aligned} & 0.1 \% \\ & 0.2 \% \end{aligned}$ | $\begin{gathered} 11,586.8 \\ 8,439.0 \end{gathered}$ | $\begin{aligned} & 10.4 \\ & 18.3 \end{aligned}$ | $0.1 \%$ $0.2 \%$ | 11,584.5 | $\begin{aligned} & 12.7 .7 \\ & 22.9 \end{aligned}$ | 0.1\% | $\begin{aligned} & 11,582.2 \\ & 8,429.7 \end{aligned}$ | $\begin{aligned} & 15.0 \\ & 27.5 \end{aligned}$ | 0.1\% | $\begin{aligned} & 11,579.9 \\ & 8,425.1 \end{aligned}$ | $\begin{aligned} & 17.4 \\ & 32.2 \end{aligned}$ | $\begin{aligned} & 0.1 \% \\ & 0.4 \% \\ & \hline \end{aligned}$ | $11,577.5$ $8,420.5$ 1,4 | 19.7 36.8 | 0.2\% |
| ME 5 | 324925 | 2015 | Dry | May | - | 1,512.3 | 1,493.4 | 18.9 | 1.2\% | 1,490.6 | 21.6 | 1.4\% | 1,485.3 | 27.0 | 1.8\% | 1,479.9 | 32.4 | 2.1\% | 1,474.4 | 37.8 | 2.5\% | 1,469.0 | 43.3 | 2.9\% |
| ME5 | 324925 | 2015 | Dry | June | - | 657.9 | 633.4 | 24.5 | 3.7\% | 629.9 | 28.0 | 4.2\% | 623.0 | 34.9 | 5.3\% | 616.1 | 41.8 | 6.4\% | 609.2 | 48.7 | 7.4\% | 602.4 | 55.5 | 8.4\% |
| ME 5 | 324925 | 2015 | Dry | July | - | 274.3 | 250.1 | 24.2 | 8.8\% | 246.6 | 27.7 | 10.1\% | 239.7 | 34.6 | 12.6\% | 232.7 | 41.6 | 15.2\% | 225.8 | 48.5 | 17.7\% | 218.9 | 55.4 | 20.2\% |
| ME5 | 324925 | 2015 | Dry | August | -- | 173.3 | 149.8 | ${ }^{23.6}$ | 13.6\% | 146.4 | 26.9 | 15.5\% | 139.6 | 33.7 | 19.4\% | 132.8 | 40.5 | 23.4\% | ${ }^{126.0}$ | 47.3 | 27.3\% | 119.3 | 54.0 | 31.2\% |
| ME5 | 324925 | 2015 | Dry | September | Used in Summary Table Analysis | 126.8 | 105.6 | 21.2 | 16.7\% | 102.4 | 24.4 | 19.3\% | 95.7 | 31.0 | 24.5\% | 89.2 | 37.5 | 29.6\% | 82.6 | 44.2 | 34.9\% | 76.1 | 50.7 | 40.0\% |
| ME5 | 324925 | 2016 | Above Normal | October | Used in Summary Table Analysis | ${ }^{91.8}$ | 73.0 | 18.8 | 20.5\% | 69.9 | 21.9 164 | 23.8\% | ${ }^{64.6}$ | 27.2 205 | 29.6\% | ${ }_{59.1}^{59.1}$ | 32.7 24.9 | 35.7\% | ${ }_{53.7}$ | 38.1 <br> 293 | 41.5\% | 48.5 3.896 .4 3, | 43.3 33.6 | 47.2\% |
| M E 5 | 324925 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,930.0 | 3,916.0 | 14.0 | 0.4\% | 3,913.5 | 16.4 | 0.4\% | 3,909.5 | 20.5 | 0.5\% | 3,905.1 | 24.9 | 0.6\% | 3,900.7 | 29.3 | 0.7\% | 3,896.4 | 33.6 | 0.9\% |
| ME 5 | 324925 <br> 32925 | 2016 | Above Normal | December | -- | $36,937.5$ 576481 | $36,924.8$ 576366 | 12.7 | 0.0\% $0.0 \%$ 0.0 | $36,922.5$ 57634.3 | 15.0 139 | 0.0\% $0.0 \%$ 0.0 | $36,999.0$ 57.6308 | 18.5 174 | $0.1 \%$ $0.0 \%$ 0.0 | $36,915.5$ 57.6273 | 22.0 208 | $0.1 \%$ $0.0 \%$ | $36,910.9$ <br> 577623.8 | 26.6 24.3 | $0.1 \%$ $0.0 \%$ | $36,907.4$ 57.620 .4 | 30.1 <br> 27.8 <br> 2.8 | 0.1\% $0.0 \%$ |
| ME 5 ME 5 | 324925 <br> 324925 | 2016 2016 | Above Normal Above Normal | January February | $\cdots$ | 57,648.1 24,322.9 | $57,635.6$ $24,313.7$ | $\begin{gathered} 11.6 \\ 9.3 \end{gathered}$ | $\begin{aligned} & \text { 0.0\% } \\ & 0.0 \% \end{aligned}$ | 57,634.3 24,312.5 | $\begin{aligned} & 13.9 \\ & 10.4 \end{aligned}$ | $\begin{aligned} & \text { 0.0\% } \\ & \text { 0.0\% } \end{aligned}$ | $57,630.8$ $24,309.0$ | $\begin{aligned} & 17.4 \\ & 13.9 \end{aligned}$ | 0.0\% | 57,627.3 24,306.7 | $\begin{aligned} & 20.8 \\ & 16.2 \end{aligned}$ | - $0.0 \%$ | $57,623.8$ $24,304.4$ | $\begin{aligned} & 24.3 \\ & 18.5 \end{aligned}$ | 0.0\% | $57,620.4$ $24,300.9$ | 27.8 <br> 22.0 | 0.0\% |
| ME 5 | 324925 | 2016 | Above Normal | March | - | 41,931.7 | 41,923.6 | 8.1 | 0.0\% | 41,921.3 | 10.4 | 0.0\% | 41,919.0 | 12.7 | 0.0\% | 41,916.7 | 15.0 | 0.0\% | 41,913.2 | 18.5 | 0.0\% | 41,910.9 | 20.8 | 0.0\% |
| ME5 | 324925 | 2016 | Above Normal | April | - | 18,581.0 | 18,572.9 | 8.1 | 0.0\% | 18,571.8 | 9.3 | 0.0\% | 18,569.4 | 11.6 | 0.1\% | 18,567.1 | 13.9 | 0.1\% | 18,564.8 | 16.2 | 0.1\% | 18,562.5 | 18.5 | 0.1\% |
| ME5 | 324925 | 2016 | Above Normal | may | - | 5,231.6 | 5,221.8 | 9.8 | 0.2\% | 5,220.3 | 11.3 | 0.2\% | 5,217.4 | 14.2 | 0.3\% | 5,244.5 | 17.1 | 0.3\% | 5,211.5 | 20.1 | 0.4\% | 5,208.6 | 23.0 | 0.4\% |
| ME5 | 324925 | 2016 | Above Normal | June | - | 1,517.1 | 1,498.3 | 18.9 | 1.2\% | 1,495.5 | 21.6 | 1.4\% | 1,490.2 | 27.0 | 1.8\% | 1,484.7 | ${ }^{32.4}$ | ${ }^{2.1 \%}$ | $1,479.3$ 789 | 37.8 | ${ }^{2.5 \%}$ | 1,474.0 | 43.2 | ${ }^{2.8 \%}$ |
| ME 5 | 324925 | 2016 | Above Normal | July | - | 831.3 | 810.2 | ${ }^{21.1}$ | 2.5\% | 807.1 | 24.2 | 2.9\% | 801.1 | 30.3 | 3.6\% | 795.0 | ${ }^{36.3}$ | 4.4\% | 788.9 | 42.4 | 5.1\% | 782.9 | 48.4 | 5.8\% |
| ME5 5 | 324925 | 2016 | Above Normal | August |  | 500.3 | 479.4 | ${ }^{20.9}$ | 4.2\% | 476.3 | 23.9 | 4.8\% | 470.4 3085 | 29.9 | ${ }^{6.0 \%}$ | 464.4 | 35.9 33.4 | 7.2\% | 458.4 | 41.9 39.2 |  | 452.4 2913 | 47.9 44.9 | 9.6\% |
| ME5 | 324925 | 2016 | Above Normal | September | Used in Summary Table Analysis | 336.2 | 317.5 | 18.8 | 5.6\% | 314.1 | 22.1 | 6.6\% | 308.5 | 27.7 | 8.2\% | 302.8 | 33.4 | 9.9\% | 297.0 | 39.2 | 11.6\% | 291.3 | 44.9 | 13.4\% $0.2 \%$ |
| ME5 | 324925 <br> 324925 | 2017 | Wet Wet | October November | Used in Summary Table Analysis | $18,409.7$ 18960.6 | $18,393.5$ 189991 | 16.2 | 0.1\% | $18,391.2$ 189668 | 18.5 13.9 | 0.1\% | $18,386.6$ 18943.3 | 23.1 17.4 | 0.1\% | $18,381.9$ $18,939.8$ | 27.8 20.8 | 0.2\% | $18,377.3$ $18,936.3$ | 32.4 24.3 | $0.2 \%$ $0.1 \%$ | $18,372.7$ 18.932 .9 | 37.0 27.8 | 0.2\% |
| ME 5 ME 5 | 324925 <br> 324925 | 2017 | Wet Wet | November December | Used in Summary Table Analysis | $18,960.6$ 24.324 .1 | $18,949.1$ $24,313.7$ | 11.6 10.4 | 0.1\% | $18,946.8$ $24,312.5$ | 13.9 11.6 | 0.1\% | $18,943.3$ $24,309.0$ | 17.4 15.0 | 0.1\% | $18,939.8$ $24,306.7$ | 20.8 17.4 | 0.1\% | $18,936.3$ $24,303.2$ | 24.3 20.8 | 0.1\% | $18,932.9$ $24,299.8$ | 27.8 24.3 | 0.1\% |
| ME5 | 324925 | 2017 | Wet | January | - | 107,520.8 | 107,510.4 | 10.4 | 0.0\% | 107,509.3 | 11.6 | 0.0\% | 107,506.9 | 13.9 | 0.0\% | 107,503.5 | 17.4 | 0.0\% | 107,51.2 | 19.7 | 0.0\% | 107,497.7 | 23.1 | 0.0\% |
| ME5 | 324925 | 2017 | Wet | February |  | 82,200.2 | 82,191.0 | 9.3 | 0.0\% | 82,189.8 | 10.4 | 0.0\% | 82,187.5 | 12.7 | 0.0\% | 82,185.2 | 15.0 | 0.0\% | 82,181.7 | 18.5 | 0.0\% | 82,179.4 | 20.8 | 0.0\% |
| ME5 | 324925 | 2017 | Wet | March | - | 27,388.9 | 27,380.8 | 8.1 | 0.0\% | 27,379.6 | 9.3 | 0.0\% | 27,376.2 | 12.7 | 0.0\% | 27,373.8 | 15.0 | 0.1\% | 27,371.5 | 17.4 | 0.1\% | 27,369.2 | 19.7 | 0.1\% |
| ME5 | 324925 | 2017 | Wet | April | - | 23,059.0 | 23,050.9 | 8.1 | 0.0\% | 23,049.8 | 9.3 | 0.0\% | 23,048.6 | 10.4 | 0.0\% | 23,046.3 | 12.7 | ${ }^{0.1 \%}$ | 23,044.0 | 15.0 | ${ }^{0.1 \%}$ | 23,041.7 | 17.4 | 0.1\% |
| ME 5 | 324925 | 2017 | Wet | May | - | 6,278.5 | 6,268.5 | 10.0 | 0.2\% | 6,267.0 | 11.5 | 0.2\% | 6,264.2 | 14.2 | 0.2\% | 6,261.3 | 17.1 | 0.3\% | 6,258.3 | 20.1 | 0.3\% | 6,255.4 | 23.0 | 0.4\% |
| ME5 5 | 324925 | 2017 | Wet | June | - | 2,133.4 | 2,114.2 | 19.2 | 0.9\% | 2,111.5 | 22.0 24.3 | 1.0\% | 2,105.9 9148 | 27.5 | 1.3\% | $2,100.5$ 9088 | 33.0 36. | 1.5\% | 2,095.0 | 38.4 42.4 | 1.8\% | $2,089.5$ 896.7 | 44.0 48.5 | 2.1\% |
| ME 5 ME5 | 324925 | 2017 | Wet | July | - | 945.2 | 923.9 | 21.3 | 2.3\% | 920.9 | 24.3 | 2.6\% | 914.8 | 30.3 | 3.2\% | 908.8 | 36.4 | 3.9\% | 902.8 | 42.4 | 4.5\% | 896.7 | 48.5 | $5.1 \%$ $9.2 \%$ 1.3 |
|  | 324925 329925 | 2017 | Wet | August | - | 517.3 332.0 | 496.5 | 20.8 | $4.0 \%$ $58 \%$ | 493.5 | ${ }_{221}^{23.8}$ | ${ }^{4.6 \%}$ | 487.6 3043 | ${ }_{27.7}^{29.7}$ | 5.7\% $8.3 \%$ | 481.7 298.8 | 35.7 33.2 | 6.9\% 10.0\% | ${ }_{2935}^{475}$ | 41.6 38.8 | ${ }^{8.0 \%}$ | ${ }_{2698}^{489}$ | 47.5 44.3 |  |
|  | 324925 | 2017 | Wet | September | Used in Summary Table Analysis | 332.0 | 312.7 | 19.4 | 5.8\% | 309.9 | 22.1 | 6.7\% | 304.3 | 27.7 | 8.3\% | 298.8 | 33.2 | 10.0\% | 293.3 | 38.8 | 11.7\% | 287.7 | 44.3 | 13.3\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Pumping (cfs) |  |  |  | 100\% Pumping herease |  |  | 150\% |  |  | 20\%\% |  |  | 20\% |  |  | , |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cts) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (fts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference |
| me6 | 324925 | 2002 | Below Normal |  | February | -- | 24,770.8 | 24,760.4 | 10.4 | 0.0\% | 24,759.3 | 11.6 | 0.0\% | 24,755.8 | 15.0 | 0.1\% | 24,753.5 | 17.4 | 0.1\% | 24,750.0 | 20.8 | 0.1\% | 24,747.7 | 23.1 | 0.1\% |
| ME 6 | 324925 | 2002 | Below Normal | March | - | 17,851.9 | 17,842.6 | 9.3 | 0.1\% | 17,841.4 | 10.4 | 0.1\% | 17,839.1 | 12.7 | 0.1\% | 17,835.6 | 16.2 | 0.1\% | 17,833.3 | 18.5 | 0.1\% | 17,829.9 | 22.0 | 0.1\% |
| me6 | 324925 | 2002 | Below Normal | April | - | 9,953.7 | 9,937.6 | 16.1 | 0.2\% | 9,935.3 | 18.4 | 0.2\% | 9,930.7 | 23.0 | 0.2\% | 9,926.2 | 27.5 | 0.3\% | 9,921.5 | 32.2 | 0.3\% | 9,916.9 | 36.8 | 0.4\% |
| ME6 | 324925 | 2002 | Below Normal | May | - | 3,330.9 | 3,311.9 | 19.0 | 0.6\% | 3,309.1 | 21.8 | 0.7\% | 3,303.7 | 27.2 | 0.8\% | 3,298.3 | 32.6 | 1.0\% | 3,292.8 | 38.1 | 1.1\% | 3,287.4 | 43.5 | 1.3\% |
| ME6 | 324925 | 2002 | Below Normal | June | - | 860.4 | 838.8 | 21.6 | 2.5\% | 835.7 | 24.7 | 2.9\% | 829.6 | 30.8 | 3.6\% | 823.5 | 36.9 | 4.3\% | 817.3 | 43.1 | 5.0\% | 811.2 | 49.2 | 5.7\% |
| ME6 | 324925 | 2002 | Below Normal | July | - | 369.2 | 347.2 | 22.1 | 6.0\% | 344.0 | 25.2 | 6.8\% | 337.7 | 31.5 | 8.5\% | 331.4 | 37.8 | 10.2\% | 325.1 | 44.1 | 11.9\% | 318.8 | 50.4 | 13.7\% |
| ME 6 | 324925 | 2002 | Below Normal | August | -- | 234.9 | 214.0 | 20.9 | 8.9\% | 211.0 | 23.9 | 10.2\% | 205.1 | 29.8 | 12.7\% | 199.1 | 35.8 | 15.3\% | 193.1 | 41.8 | 17.8\% | 187.1 | 47.8 | 20.3\% |
| me6 | 324925 | 2002 | Below Normal | September | Used in Summary Table Analysis | 171.4 | 151.5 | 19.9 | 11.6\% | 148.6 | 22.7 | 13.3\% | 143.0 | 28.4 | 16.5\% | 137.3 | 34.1 | 19.9\% | 131.6 | 39.8 | 23.2\% | 125.9 | 45.5 | 26.5\% |
| me6 | 324925 | 2003 | Wet | October | Used in Summary Table Analysis | 136.2 | 119.7 | 16.4 | 12.1\% | 117.4 | 18.8 | 13.8\% | 112.6 | 23.5 | 17.3\% | 107.9 | 28.3 | 20.8\% | 103.1 | 33.0 | 24.3\% | 98.4 | 37.8 | 27.8\% |
| ME6 | 324925 | 2003 | Wet | November | Used in Summary Table Analysis | 905.5 | 892.2 | 13.2 | 1.5\% | 890.3 | 15.2 | 1.7\% | 886.4 | 19.1 | 2.1\% | 882.5 | 23.0 | 2.5\% | 878.7 | 26.8 | 3.0\% | 874.8 | 30.6 | 3.4\% |
| me6 | 324925 | 2003 | wet | December | -- | 57,392.4 | 57,380.8 | 11.6 | 0.0\% | 57,378.5 | 13.9 | 0.0\% | 57,375.0 | 17.4 | 0.0\% | 57,372.7 | 19.7 | 0.0\% | 57,368.1 | 24.3 | 0.0\% | 57,364.6 | 27.8 | 0.0\% |
| ME 6 | 324925 | 2003 | Wet | January | -- | 31,648.1 | 31,637.7 | 10.4 | 0.0\% | 31,63.6 | 11.6 | 0.0\% | 31,633.1 | 15.0 | 0.0\% | 31,630.8 | 17.4 | 0.1\% | 31,627.3 | 20.8 | 0.1\% | 31,623.8 | 24.3 | 0.1\% |
| ME6 | 324925 | 2003 | Wet | February | -- | 20,416.7 | 20,407.4 | 9.3 | 0.0\% | 20,406.3 | 10.4 | 0.1\% | 20,402.8 | 13.9 | 0.1\% | 20,400.5 | 16.2 | 0.1\% | 20,398.1 | 18.5 | 0.1\% | 20,394.7 | 22.0 | 0.1\% |
| me6 | 324925 | 2003 | Wet | March | - | 24,130.8 | 24,122.7 | 8.1 | 0.0\% | 24,120.4 | 10.4 | 0.0\% | 24,118.1 | 12.7 | 0.1\% | 24,115.7 | 15.0 | 0.1\% | 24,113.4 | 17.4 | 0.1\% | 24,111.1 | 19.7 | 0.1\% |
| ME6 | 324925 | 2003 | Wet | April | - | 43,151.6 | 43,143.5 | 8.1 | 0.0\% | 43,142.4 | 9.3 | 0.0\% | 43,138.9 | 12.7 | 0.0\% | 43,136.6 | 15.0 | 0.0\% | 43,134.3 | 17.4 | 0.0\% | 43,131.9 | 19.7 | 0.0\% |
| me6 | 324925 | 2003 | wet | May | -- | 12,256.9 | 12,240.7 | 16.2 | 0.1\% | 12,238.4 | 18.5 | 0.2\% | 12,233.8 | 23.1 | 0.2\% | 12,229.2 | 27.8 | 0.2\% | 12,224.5 | 32.4 | 0.3\% | 12,219.9 | 37.0 | 0.3\% |
| ME 6 | 324925 | 2003 | Wet | June | - | 3,175.3 | 3,154.7 | 20.6 | 0.6\% | 3,151.9 | 23.5 | 0.7\% | 3,145.9 | 29.4 | 0.9\% | 3,140.2 | 35.2 | 1.1\% | 3,134.5 | 40.9 | 1.3\% | 3,128.7 | 46.6 | 1.5\% |
| ME6 | 324925 | 2003 | Wet | July | - | 1,484,0 | 1,462.2 | 21.9 | 1.5\% | 1,459.0 | 25.0 | 1.7\% | 1,452.8 | 31.3 | 2.1\% | 1,446.6 | 37.4 | 2.5\% | 1,440.4 | 43.6 | 2.9\% | 1,434,1 | 49.9 | 3.4\% |
| me6 | 324925 | 2003 | Wet | August | -- | 769.5 | 748.2 | 21.3 | 2.8\% | 745.1 | 24.4 | 3.2\% | 739.0 | 30.4 | 4.0\% | 732.9 | 36.5 | 4.7\% | 726.9 | 42.6 | 5.5\% | 72.6 | 48.8 | 6.3\% |
| ME6 | 324925 | 2003 | Wet | September | Used in Summary Table Analysis | 465.6 | 448.2 | 18.4 | 3.9\% | 445.6 | 21.0 | 4.5\% | 440.3 | 26.3 | 5.6\% | 435.1 | 31.5 | 6.8\% | 429.8 | 36.8 | 7.9\% | 424.5 | 42.0 | 9.0\% |
| me6 | 324925 | 2004 | wet | October | Used in Summary Table Analysis | 333.3 | 318.0 | 15.3 | 4.6\% | 315.8 | 17.5 | 5.2\% | 311.4 | 21.9 | 6.6\% | 306.9 | 26.3 | 7.9\% | 302.5 | 30.7 | 9.2\% | 298.1 | 35.2 | 10.6\% |
| ME6 | 324925 | 2004 | Wet | November | Used in Summary Table Analysis | 5,871.2 | 5,858.7 | 12.5 | 0.2\% | 5,856.9 | 14.2 | 0.2\% | 5,853.2 | 17.9 | 0.3\% | 5,849.7 | 21.5 | 0.4\% | 5,845.9 | 25.2 | 0.4\% | 5,842.2 | 28.9 <br> 85 <br> 25 | 0.5\% |
| ME6 | 324925 | 2004 | Wet | December |  | 36,610.0 | 36,598.4 | 11.6 | 0.0\% | 36,597.2 | 12.7 | 0.0\% | 36,593.8 | 16.2 | 0.0\% | 36,591.4 | 18.5 | 0.1\% | 36,588.0 | 22.0 | 0.1\% | 36,584.5 | 25.5 | 0.1\% |
| ME6 | 324925 | 2004 | Wet | January | - | 31,677.1 | 31,667.8 | 9.3 | 0.0\% | 31,665.5 | 11.6 | 0.0\% | 31,663.2 | 13.9 | 0.0\% | 31,660.9 | 16.2 | 0.1\% | 31,657.4 | 19.7 | 0.1\% | 31,655.1 | 22.0 | 0.1\% |
| ME6 | 324925 | 2004 | Wet | February | - | 38,431.7 | 38,422.5 | 9.3 | 0.0\% | 38,421.3 | 10.4 | 0.0\% | 38,419.0 | 12.7 | 0.0\% | 38,416.7 | 15.0 | 0.0\% | 38,414.4 | 17.4 | 0.0\% | 38,410.9 | 20.8 | 0.1\% |
| me6 | 324925 | 2004 | wet | March |  | 16,559.0 | 16,550.9 | 8.1 | 0.0\% | 16,549.8 | 9.3 | 0.1\% | 16,547.5 | 11.6 | 0.1\% | 16,545.1 | 13.9 | 0.1\% | 16,542.8 | 16.2 | 0.1\% | 16,540.5 | 18.5 | 0.1\% |
| ME 6 | 324925 | 2004 | Wet | April | - | 9,477.0 | 9,469.4 | 7.5 | 0.1\% | 9,468.3 | 8.7 | 0.1\% | 9,466.1 | 10.9 | 0.1\% | 9,463.9 | 13.1 | 0.1\% | 9,461.6 | 15.4 | 0.2\% | 9,459.3 | 17.7 | 0.2\% |
| ME6 | 324925 | 2004 | Wet | may | - | 3,411.8 | 3,426.2 | 15.6 | 0.5\% | 3,424.0 | 17.8 | 0.5\% | 3,419.4 | 22.3 | 0.6\% | 3,414.9 | 26.9 | 0.8\% | 3,410.4 | 31.4 | 0.9\% | 3,405.9 | 35.9 | 1.0\% |
| ME6 | 324925 | 2004 | wet | June | -- | 698.1 | 678.4 | 19.7 | 2.8\% | 675.6 | 22.5 | 3.2\% | 670.0 | 28.1 | 4.0\% | 664.4 | 33.7 | 4.8\% | 658.8 | 39.4 | 5.6\% | 653.1 | 45.0 | 6.4\% |
| ME6 | 324925 | 2004 | Wet | July | - | 364.2 | 342.8 | 21.4 | 5.9\% | 339.8 | 24.4 | 6.7\% | 333.6 | 30.6 | 8.4\% | 327.5 | 36.7 | 10.1\% | 321.4 | 42.8 | 11.7\% | 315.3 | 48.9 | 13.4\% |
| me6 | 324925 | 2004 | Wet | August | -- | 232.8 | 212.5 | 20.3 | 8.7\% | 209.6 | 23.2 | 10.0\% | 203.8 | 29.0 | 12.5\% | 198.0 | 34.8 | 15.0\% | 192.2 | 40.6 | 17.5\% | 186.4 | 46.5 | 20.0\% |
| ME 6 | 324925 | 2004 | Wet | September | Used in Summary Table Analysis | 169.3 | 1499 | 19.4 | 11.5\% | 147.2 | 22.2 | 13.1\% | 141.6 | 27.7 | 16.4\% | 136.0 | 33.3 | 19.7\% | 130.5 | 38.9 | 23.0\% | 124.9 | 44.5 | 26.3\% |
| ME6 | 324925 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,70.6 | 7,755.0 | 15.6 | 0.2\% | 7,752.8 | 17.8 | 0.2\% | 7,748.3 | 22.3 | 0.3\% | 7,743.8 | 26.9 | 0.3\% | 7,739.2 | 31.4 | 0.4\% | 7,734.7 | 35.9 | 0.5\% |
| ME 6 | 324925 <br> 324925 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,270.5 | 2,258.2 | 12.3 | ${ }^{0.5 \%}$ | 2,256.5 | 14.0 | ${ }^{0.6 \%}$ | 2,252.9 212627 | 17.6 | 0.8\% | 2,249.4 212593 | 21.1 185 | 0.9\% | $2,245.8$ 2125. | 24.7 | ${ }^{1.1 \%}$ | - $2,242.2$ | 28.2 | ${ }^{1.2 \%}$ |
| ME6 | 324925 | 2005 | Above Normal | December | -- | 21,277.8 | 21,267.4 | 10.4 | 0.0\% | 21,266.2 | 11.6 | 0.1\% | 21,262.7 | 15.0 | 0.1\% | 21,259.3 | 18.5 | 0.1\% | 21,256.9 | 20.8 | 0.1\% | 21,253.5 | 24.3 | 0.1\% |
| me6 | 324925 | 2005 | Above Normal | January | - | 22,582.2 | 22,572.9 | 9.3 | 0.0\% | 22,571.8 | 10.4 | 0.0\% | 22,568.3 | 13.9 | 0.1\% | 22,566.0 | 16.2 | 0.1\% | 22,562.5 | 19.7 | 0.1\% | 22,560.2 | 22.0 | 0.1\% |
| ME 6 | 324925 | 2005 | Above Normal | February | - | 14,047.5 | 14,039.4 | 8.1 | 0.1\% | 14,038.2 | 9.3 | 0.1\% | 14,035.9 | 11.6 | 0.1\% | 14,032.4 | 15.0 | 0.1\% | 14,030.1 | 17.4 | 0.1\% | 14,027.8 | 19.7 | 0.1\% |
| ME6 | 324925 | 2005 | Above Normal | March | -- | 28,717.6 | 28,709.5 | 8.1 | 0.0\% | 28,708.3 | 9.3 | 0.0\% | 28,706.0 | 11.6 | 0.0\% | 28,703.7 | 13.9 | 0.0\% | 28,701.4 | 16.2 | 0.1\% | 28,699.1 | 18.5 | 0.1\% |
| ME 6 | 324925 <br> 324925 | 2005 | Above Normal | April | - | 21,544.0 | $21,537.0$ 19 | ${ }^{6.9}$ | ${ }^{0.0 \%}$ | 21,535.9 | 8.1 185 | ${ }^{0.0 \%}$ | $21,533.6$ 19,655 | 10.4 | ${ }^{0.0 \%}$ | 21,531.3 | 12.7 | ${ }^{0.1 \%}$ | $21,528.9$ -196.9 | 15.0 | ${ }^{0.1 \%}$ | $21,526.6$ 19516 | 17.4 | ${ }^{0.1 \%}$ |
| ME6 | 324925 | 2005 | Above Normal | May | - | 19,688.7 | 19,672.5 | 16.2 | 0.1\% | 19,670.1 | 18.5 | 0.1\% | 19,665.5 | 23.1 | 0.1\% | 19,660.9 | 27.8 | ${ }^{0.1 \%}$ | 19,656.3 | 32.4 | 0.2\% | 19,651.6 | 37.0 54.4 | 0.2\% |
| ME 6 ME6 | 324925 <br> 324925 | 2005 | Above Normal Above Normal | June | $\cdots$ | $\underset{\text { 16,011.6 }}{2,867.2}$ | $15,988.4$ <br> 28451 <br> 8.2 | 23.1 22.1 | - 0.8 0.1\% | $15,985.0$ 2.842 .0 | 26.6 25.2 | 0.2\% | $15,978.0$ 2.855 .8 | 33.6 31.5 | 0.2\% | $15,971.1$ $2,829.4$ | 40.5 37.8 | 0.3\% $1.3 \%$ | ${ }_{\text {2, }}^{15,823.1}$ | 44.15 | - $1.5 \%$ | $\underset{\text { 15,957.2 }}{\substack{1816.9}}$ | 54.4 50.3 | 0.3\% 1.8\% |
| me6 | 324925 | 2005 | Above Normal | August | -- | ${ }_{992.4}$ | 972.2 | 20.2 | 2.0\% | ${ }_{969.4}$ | 23.0 | 2.3\% | ${ }_{9}{ }_{9}$ 263.6 | 28.8 | 2.9\% | 2,957.9 | 34.5 | 3.5\% | ${ }_{952.1}^{2,892}$ | 40.3 | 4.1\% | 944.4 | 46.0 | 4.6\% |
| ME6 | 324925 | 2005 | Above Normal | September | Used in Summary Table Analysis | 533.8 | 515.8 | 18.0 | 3.4\% | 513.2 | 20.6 | 3.9\% | 508.1 | 25.7 | 4.8\% | 502.9 | 30.8 | 5.8\% | 497.8 | 36.0 | 6.7\% | 492.7 | 41.1 | 7.7\% |
| ME6 | 324925 | 2006 | Wet | October | Used in Summary Table Analysis | 644.7 | 630.0 | 14.7 | 2.3\% | 627.9 | 16.8 | 2.6\% | 623.6 | 21.1 | 3.3\% | 619.4 | 25.3 | 3.9\% | 615.2 | 29.5 | 4.6\% | 610.9 | 33.8 | 5.2\% |
| ME6 | 324925 | 2006 | Wet | November | Used in Summary Table Analysis | 9,422.0 | 9,410.3 | 11.7 | 0.1\% | 9,408.7 | 13.3 | 0.1\% | 9,405.2 | 16.8 | 0.2\% | 9,401.9 | 20.1 | 0.2\% | 9,398.5 | 23.5 | 0.2\% | 9,395.0 | 27.0 | 0.3\% |
| ME6 | 324925 | 2006 | Wet | December | - | 43,876.2 | 43,865.7 | 10.4 | 0.0\% | 43,864.6 | 11.6 | 0.0\% | 43,861.1 | 15.0 | 0.0\% | 43,858.8 | 17.4 | 0.0\% | 43,855.3 | 20.8 | 0.0\% | 43,851.9 | 24.3 | 0.1\% |
| ME6 | 324925 | 2006 | Wet | January | - | 46,640.0 | 46,629.6 | 10.4 | 0.0\% | 46,628.5 | 11.6 | 0.0\% | 46,626.2 | 13.9 | 0.0\% | 46,623.8 | 16.2 | 0.0\% | 46,620.4 | 19.7 | 0.0\% | 46,618.1 | 22.0 | 0.0\% |
| ME 6 | 324925 <br> 324925 | 2006 | Wet | February | - | $26,766.2$ 474294 | $26,756.9$ 474213 | ${ }^{9.3}$ | 0.0\% | $26,755.8$ 474201 | 10.4 | 0.0\% | $26,753.5$ 474178 | 12.7 | 0.0\% | $26,751.2$ 474155 40.581 | 15.0 | ${ }^{0.1 \%}$ | $26,748.8$ 47413 | 17.4 | ${ }^{0.1 \%}$ | $26,746.5$ 47409 | 19.7 | ${ }^{0.1 \%}$ |
| ME ${ }_{\text {M }}$ | 324925 | 2006 2006 | Wet Wet | $\underset{\substack{\text { March } \\ \text { April }}}{ }$ | -- | 47,429.4 | $47,421.3$ 30.527 .8 14.20 .8 | 8.1 8.1 | $0.0 \%$ $0.0 \%$ 0.0 | $47,420.1$ 30.526 .6 | $\begin{aligned} & 9.3 \\ & 9.3 \end{aligned}$ | $0.0 \%$ $0.0 \%$ 0.0 | 47,417.8 $30,525.5$ 18 | 11.6 10.4 | 0.0\% | $47,415.5$ 30.523 .1 | 13.9 12.7 | - $0.0 \%$ | $47,413.2$ 30.520 .8 10.25 .2 | 16.2 15.0 | - $0.0 \%$ | $47,410.9$ 30.518 .5 | 18.5 <br> 17.4 <br> 12. | - |
| ME6 | 324925 | 2006 | Wet | May | -- | 14,269.7 | 14,260.4 | ${ }_{9}^{8.1}$ | 0.1\% | 14,259.3 | 10.4 | 0.1\% | 14,255.8 | 13.9 | 0.1\% | 14,253.5 | 16.2 | 0.1\% | 14,251.2 | 18.5 | 0.1\% | 14,247.7 | 22.0 | 0.2\% |
| me6 | 324925 | 2006 | Wet | June |  | 3,555.8 | 3,536.2 | 19.6 | 0.6\% | 3,533.4 | 22.3 | 0.6\% | 3,527.9 | 27.9 | 0.8\% | 3,522.3 | 33.4 | 0.9\% | 3,516.9 | 38.9 | 1.1\% | 3,511.3 | 44.4 | 1.2\% |
| ME6 | 324925 | 2006 | Wet | July | - | 1,289.9 | 1,269.0 | 20.9 | 1.6\% | 1,266.0 | 24.0 | 1.9\% | 1,260.0 | 30.0 | 2.3\% | 1,254.1 | 35.9 | 2.8\% | 1,248.0 | 41.9 | 3.2\% | 1,242.1 | 47.8 | 3.7\% |
| ME6 | 324925 | 2006 | Wet | August | - | 676.0 | 655.3 | 20.6 | 3.1\% | 652.4 | 23.6 | 3.5\% | 646.6 | 29.4 | 4.4\% | 640.7 | 35.3 | 5.2\% | 634.8 | 41.2 | 6.1\% | 628.9 | 47.0 | 7.0\% |
| me6 | 324925 | 2006 | Wet | September | Used in Summary Table Analysis | 436.1 | 417.8 | 18.3 | 4.2\% | 415.2 | 20.9 | 4.8\% | 410.0 | 26.1 | 6.0\% | 404.8 | 31.3 | 7.2\% | 399.6 | 36.5 | 8.4\% | 394.4 | 41.7 | 9.6\% |
| me6 | 324925 | 2007 | Above Normal | October | Used in Summary Table Analysis | 283.0 | 268.0 | 15.0 | 5.3\% | 265.9 | 17.1 | 6.0\% | 261.6 | 21.4 | 7.6\% | 257.2 | 25.7 | 9.1\% | 25.9 | 30.1 | 10.6\% | 248.5 | 34.4 | 12.2\% |
| ME6 | 324925 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,769.0 | 8,756.7 | 12.3 | 0.1\% | $8,75.0$ | 14.0 | 0.2\% | 8,751.4 | 17.6 | 0.2\% | 8,747.9 | 21.1 | 0.2\% | 8,744.3 | 24.7 | 0.3\% | 8,740.7 | 28.2 | 0.3\% |
| ME6 | 324925 | 2007 | Above Normal | December | -- | 20,616.9 | 20,606.5 | 10.4 | 0.1\% | 20,65.3 | 11.6 | 0.1\% | 20,60.9 | 15.0 | 0.1\% | 20,598.4 | 18.5 | 0.1\% | 20,594.9 | 22.0 | 0.1\% | 20,591.4 | 25.5 | 0.1\% |
| ME6 | 324925 | 2007 | Above Normal | January | -- | 10,306.9 | 10,297.6 | 9.4 | 0.1\% | 10,296.2 | 10.8 | 0.1\% | 10,293.5 | 13.4 | 0.1\% | 10,290.7 | 16.2 | 0.2\% | 10,288.0 | 19.0 | 0.2\% | 10,285.2 | 21.8 | 0.2\% |
| me6 | 324925 | 2007 | Above Normal | February | -- | 30,803.2 | 30,795.1 | 8.1 | 0.0\% | 30,794.0 | 9.3 | 0.0\% | 30,790.5 | 12.7 | 0.0\% | 30,788.2 | 15.0 | 0.0\% | 30,785.9 | 17.4 | 0.1\% | 30,782.4 | 20.8 | 0.1\% |
| ME6 6 | 324925 | 2007 | Above Normal | March | -- | 13,142.4 | 13,134.3 | 8.1 | 0.1\% | 13,133.1 | ${ }_{9}^{9.3}$ | ${ }^{0.1 \%}$ | 13,130.8 | 11.6 | ${ }^{0.1 \%}$ | $13,128.5$ 115469 | 13.9 | ${ }^{0.1 \%}$ | 13,125.0 | 17.4 | ${ }^{0.1 \%}$ | $13,122.7$ <br> 11588 | 19.7 | ${ }^{0.1 \%}$ |
| ME 6 | 324925 | 2007 | Above Normal | April | - | ${ }^{11,573.3}$ | 11,557.9 | 15.4 | 0.1\% | 11,555.7 | 17.6 | 0.2\% | 11,551.3 | 22.0 | 0.2\% | 11,546.9 | 26.4 | 0.2\% | 11,542.4 | 30.9 | 0.3\% | 11,538.0 | 35.3 | 0.3\% $1.0 \%$ |
|  | 324925 |  | Above Normal | May |  | 4,158.0 | 4,139.8 | 18.2 | 0.4\% | 4,137.2 |  | 0.5\% | 4,131.9 | 26.0 | 0.6\% | 4,126.7 | 31.3 | 0.8\% | 4,121.4 | 36.6 | 0.9\% | 4,116.2 | 41.8 | 1.0\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flowwithout Pumping (cfs) |  |  |  | 100\% F mphn |  |  | 10\% |  |  | 20\%\% Pumping increase |  |  | 20\% Pamping increase |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference |
| ME6 | 324925 | 2007 | Above Normal |  | June | - | 1,511.9 | 1,489.9 | 22.0 | 1.5\% | 1,486.8 | 25.1 | 1.7\% | 1,480.4 | 31.5 | 2.1\% | 1,474.2 | 37.7 | 2.5\% | 1,467.9 | 44.0 | 2.9\% | 1,461.7 | 50.2 | 3.3\% |
| ME 6 | 324925 | 2007 | Above Normal | July | - | 502.8 | 480.4 | 22.4 | 4.5\% | 477.2 | 25.6 | 5.1\% | 470.9 | 31.9 | 6.4\% | 464.5 | 38.3 | 7.6\% | 458.2 | 44.6 | 8.9\% | 451.8 | 51.0 | 10.1\% |
| ME6 | 324925 | 2007 | Above Normal | August | -- | 231.0 | 210.7 | 20.4 | 8.8\% | 207.8 | 23.3 | 10.1\% | 202.0 | 29.0 | 12.6\% | 196.2 | 34.8 | 15.1\% | 190.4 | 40.6 | 17.6\% | 184.6 | 46.4 | 20.1\% |
| ME6 | 324925 | 2007 | Above Normal | September | Used in Summary Table Analysis | 158.6 | 139.2 | 19.4 | 12.2\% | 136.5 | 22.1 | 14.0\% | 130.9 | 27.7 | 17.4\% | 125.4 | 33.2 | 20.9\% | 119.9 | 38.7 | 24.4\% | 114.4 | 44.2 | 27.9\% |
| ME6 | 324925 | 2008 | Dry | October | Used in Summary Table Analysis | 3,472.0 | 3,456.0 | 16.0 | 0.5\% | 3,453.8 | 18.2 | 0.5\% | 3,449.2 | 22.8 | 0.7\% | 3,444.6 | 27.4 | 0.8\% | 3,439.9 | 32.1 | 0.9\% | 3,435.4 | 36.6 | 1.1\% |
| ME6 | 324925 | 2008 | Dry | November | Used in Summary Table Analysis | 3,311.5 | 3,299.1 | 12.4 | 0.4\% | 3,297.3 | 14.1 | 0.4\% | 3,293.8 | 17.7 | 0.5\% | 3,290.2 | 21.3 | 0.6\% | 3,286.6 | 24.9 | 0.8\% | 3,282.9 | 28.6 | 0.9\% |
| ME 6 | 324925 | 2008 | Dry | December | -- | 23,395.8 | 23,384.3 | 11.6 | 0.0\% | 23,383.1 | 12.7 | 0.1\% | 23,379.6 | 16.2 | 0.1\% | 23,777.3 | 18.5 | 0.1\% | 23,373.8 | ${ }^{22.0}$ | 0.1\% | 23,370.4 | 25.5 | 0.1\% |
| me6 | 324925 | 2008 | Dry | uary | -- | 37,788.2 | 37,778.9 | 9.3 | 0.0\% | 37,776.6 | 11.6 | 0.0\% | 37,774.3 | 13.9 | 0.0\% | 37,770.8 | 17.4 | 0.0\% | 37,768.5 | 19.7 | 0.1\% | 37,765.0 | 23.1 | 0.1\% |
| me6 | 324925 | 2008 | Dry | February | -- | 26,334.5 | 26,325.2 | 9.3 | 0.0\% | 26,324.1 | 10.4 | 0.0\% | 26,321.8 | 12.7 | 0.0\% | 26,319.4 | 15.0 | 0.1\% | 26,317.1 | 17.4 | 0.1\% | 26,313.7 | 20.8 | 0.1\% |
| ME6 | 324925 | 2008 | Dry | March | -- | 11,824.1 | 11,817.1 | 6.9 | 0.1\% | 11,816,0 | 8.1 | 0.1\% | 11,813.7 | 10.4 | 0.1\% | 11,811.3 | 12.7 | 0.1\% | 11,809.0 | 15.0 | 0.1\% | 11,806.7 | 17.4 | 0.1\% |
| ME6 | 324925 | 2008 | Dry | April | - | 9,041.3 | 9,025.7 | 15.6 | 0.2\% | 9,023.5 | 17.8 | 0.2\% | 9,019.0 | 22.3 | 0.2\% | 9,014.5 | 26.9 | 0.3\% | 9,010.0 | 31.4 | 0.3\% | 9,005.6 | 35.8 | 0.4\% |
| ME 6 | 324925 | 2008 | Dry | May | - | 1,359.6 | 1,342.8 | 16.8 | 1.2\% | 1,340.5 | 19.1 | 1.4\% | 1,335.6 | 24.0 | 1.8\% | 1,330.9 | 28.7 | 2.1\% | 1,326.3 | 33.3 | 2.5\% | 1,321.6 | 38.0 | 2.8\% |
| me6 | 324925 | 2008 | Dry | June | -- | 445.0 | 42.9 | 24.1 | 5.4\% | 417.5 | 27.5 | 6.2\% | 410.7 | 34.3 | 7.7\% | 403.9 | 41.1 | 9.2\% | 397.1 | 47.9 | 10.8\% | 390.3 | 54.7 | 12.3\% |
| me6 | 324925 | 2008 | Dry | July | -- | 262.7 | 238.7 | 24.1 | 9.2\% | 235.3 | 27.5 | 10.5\% | 228.4 | 34.4 | 13.1\% | 221.5 | 41.2 | 15.7\% | 214.7 | 48.1 | 18.3\% | 207.9 | 54.9 | 20.9\% |
| ME6 | 324925 | 2008 | Dry | August | -- | 186.4 | 162.9 | 23.5 | 12.6\% | 159.5 | 26.9 | 14.4\% | 152.8 | 33.6 | 18.0\% | 146.1 | 40.3 | 21.6\% | 139.4 | 47.0 | 25.2\% | 132.7 | 53.7 | 28.8\% |
| ME6 | 324925 | 2008 | Dry | September | Used in Summary Table Analysis | 148.0 | 125.2 | 22.8 | 15.4\% | 121.9 | 26.0 | 17.\% | 115.4 | 32.5 | 22.\% | 108.9 | 39.0 | 26.4\% | 102.4 | 45.6 | 30.\% | 95.9 | 52.0 | 35.2\% |
| ME 6 | 324925 | 2009 | Critical | October | Used in Summary Table Analysis | 933.6 | 915.4 | 18.2 | 2.0\% | 912.8 | 20.9 | 2.2\% | 907.5 | 26.2 | 2.8\% | 902.2 | 31.4 | 3.4\% | 897.1 | 36.6 | 3.9\% | 891.8 | 41.9 | 4.5\% |
| me6 | 324925 | 2009 | Critical | November | Used in Summary Table Analysis | 5,578.9 | 5,564.7 | 14.2 | 0.3\% | 5,562.6 | 16.3 | 0.3\% | 5,558.4 | 20.5 | 0.4\% | 5,554.3 | 24.7 | 0.4\% | 5,550.1 | 28.8 | 0.5\% | 5,546.1 | 32.9 | 0.6\% |
| me6 | 324925 | 2009 | Critical | December | -- | 12,305.6 | 12,292.8 | 12.7 | 0.1\% | 12,291.7 | 13.9 | 0.1\% | 12,287.0 | 18.5 | 0.2\% | 12,283.6 | 22.0 | 0.2\% | 12,280.1 | 25.5 | 0.2\% | 12,276.6 | 28.9 | 0.2\% |
| ME6 | 324925 | 2009 | Critical | January | -- | 8,837.6 | 8,826.6 | 11.0 | 0.1\% | 8,825.0 | 12.6 | 0.1\% | 8,821.9 | 15.7 | 0.2\% | 8,818.6 | 19.0 | 0.2\% | 8,815.4 | 22.2 | 0.3\% | 8,812.2 | 25.5 | 0.3\% |
| ME 6 | 324925 | 2009 | Critical | February | -- | 22,732.6 | 22,723.4 | 9.3 | 0.0\% | 22,721.1 | 11.6 | 0.1\% | 22,718.8 | 13.9 | 0.1\% | 22,715.3 | 17.4 | 0.1\% | 22,713.0 | 19.7 | 0.1\% | 22,710.6 | 22.0 | 0.1\% |
| ME 6 | 324925 | 2009 | Critical | March | - | 21,209.5 | 21,201.4 | 8.1 | 0.0\% | 21,200.2 | 9.3 | 0.0\% | 21,197.9 | 11.6 | 0.1\% | 21,194.4 | 15.0 | 0.1\% | 21,192.1 | 17.4 | 0.1\% | 21,189.8 | 19.7 | 0.1\% |
| ME6 | 324925 | 2009 | Critical | April | -- | 10,108.7 | 10,092.5 | 16.2 | 0.2\% | 10,090.2 | 18.5 | 0.2\% | 10,085.4 | 23.3 | 0.2\% | 10,080.7 | 28.0 | 0.3\% | 10,076.0 | 32.6 | 0.3\% | 10,071.3 | 37.4 | 0.4\% |
| ME6 | 324925 | 2009 | Critical | May | - | 15,629.6 | 15,610.0 | 19.7 | 0.1\% | 15,607.6 | 22.0 | 0.1\% | 15,601.9 | 27.8 | 0.2\% | 15,596.1 | 33.6 | 0.2\% | 15,590.3 | 39.4 | 0.3\% | 15,584.5 | 45.1 | 0.3\% |
| ME6 | 324925 | 2009 | Critical | June | - | 3,168.4 | 3,142.8 | 25.6 | 0.8\% | 3,139.2 | 29.2 | 0.9\% | 3,131.8 | 36.6 | 1.2\% | 3,124.5 | 43.9 | 1.4\% | 3,117.2 | 51.2 | 1.6\% | 3,110.0 | 58.4 | 1.8\% |
| me6 | 324925 | 2009 | Critical | July | -- | 1,270.6 | 1,246.2 | 24.4 | 1.9\% | 1,242.7 | 27.9 | 2.2\% | 1,235.8 | 34.8 | 2.7\% | 1,228.8 | 41.8 | 3.3\% | 1,222.0 | 48.6 | 3.8\% | 1,215.0 | 55.6 | 4.4\% |
| ME 6 | 324925 | 2009 | Critical | August | -- | 676.9 | 653.2 | 23.7 | 3.5\% | 649.8 | 27.1 | 4.0\% | 643.0 | 33.9 | 5.0\% | ${ }_{6}^{636.3}$ | 40.6 | 6.0\% | 629.5 | 47.4 | 7.0\% | 622.7 | 54.1 | 8.0\% |
| me6 | 324925 | 2009 | Critical | September | Used in Summary Table Analysis | 397.5 | 376.1 | 21.4 | 5.4\% | 373.0 | 24.5 | 6.2\% | 366.8 | 30.6 | 7.7\% | 360.7 | 36.7 | 9.2\% | 354.6 | 42.9 | 10.8\% | 348.5 | 49.0 | 12.3\% |
| ME6 | 324925 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,100.1 | 6,081.7 | 18.4 | 0.3\% | 6,079.1 | 21.1 | 0.3\% | 6,073.7 | 26.4 | 0.4\% | 6,068.4 | 31.7 | 0.5\% | 6,063.2 | 36.9 | 0.6\% | 6,057.9 | 42.2 | 0.7\% |
| ME6 | 324925 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,337.2 | 8,322.5 | 14.7 | 0.2\% | 8,320.3 | 16.9 | 0.2\% | 8,316.0 | 21.2 | 0.3\% | 8,311.7 | 25.5 | 0.3\% | 8,307.4 | 29.7 | 0.4\% | 8,303.1 | 34.0 | 0.4\% |
| me6 | 324925 | 2010 | Below Normal | December |  | 12,449.1 | 12,436.3 | 12.7 | 0.1\% | 12,434.0 | 15.0 | 0.1\% | 12,430.6 | 18.5 | 0.1\% | 12,427.1 | 22.0 | 0.2\% | 12,423.6 | 25.5 | 0.2\% | 12,420.1 | 28.9 | 0.2\% |
| ME 6 | 324925 | 2010 | Below Normal | January | - | 36,547.5 | 36,535.9 | 11.6 | 0.0\% | 36,534.7 | 12.7 | 0.0\% | 36,531.3 | 16.2 | 0.0\% | ${ }^{36,527.8}$ | 19.7 | 0.1\% | 36,524.3 | 23.1 | 0.1\% | 36,520.8 | 26.6 | 0.1\% |
| me6 | 324925 | 2010 | Below Normal | February |  | 27,334.5 | 27,325.2 | 9.3 | 0.0\% | 27,322.9 | 11.6 | 0.0\% | 27,320.6 | 13.9 | 0.1\% | 27,317.1 | 17.4 | 0.1\% | 27,314.8 | 19.7 | 0.1\% | 27,311.3 | 23.1 | 0.1\% |
| me6 | 324925 | 2010 | Below Normal | March | -- | 28,915.5 | 28,906.3 | 9.3 | 0.0\% | 28,905.1 | 10.4 | 0.0\% | 28,901.6 | 13.9 | 0.0\% | 28,899.3 | 16.2 | 0.1\% | 28,897.0 | 18.5 | 0.1\% | 28,893,5 | 22.0 | 0.1\% |
| ME6 | 324925 | 2010 | Below Normal | April | -- | 40,157.4 | 40,149.3 | 8.1 | 0.0\% | 40,148.1 | 9.3 | 0.0\% | 40,145.8 | 11.6 | 0.0\% | 40,142.4 | 15.0 | 0.0\% | 40,140.0 | 17.4 | 0.0\% | 40,137.7 | 19.7 | 0.0\% |
| me6 | 324925 | 2010 | Below Normal | May | - | 20,380.8 | 20,364.6 | 16.2 | 0.1\% | 20,362.3 | 18.5 | 0.1\% | 20,356.5 | 24.3 | 0.1\% | 20,351.9 | 28.9 | 0.1\% | 20,347.2 | 33.6 | 0.2\% | 20,342.6 | 38.2 | 0.2\% |
| ME 6 | 324925 | 2010 | Below Normal | June | - | 9,439.6 | 9,415.2 | 24.4 | 0.3\% | 9,411.6 | 28.0 | 0.3\% | 9,404.7 | 34.8 | 0.4\% | 9,397.8 | 41.8 | 0.4\% | ${ }^{9,391.0}$ | 48.6 | 0.5\% | 9,384.0 | 55.6 | 0.6\% |
| ME6 | 324925 | 2010 | Below Normal | July | - | 1,462.0 | 1,439.6 | 22.5 | 1.5\% | 1,436.3 | 25.7 | 1.8\% | 1,429.9 | 32.2 | 2.2\% | 1,423.5 | 38.5 | 2.6\% | 1,417.0 | 45.0 | 3.1\% | 1,410.8 | 51.3 | 3.5\% |
| ME 6 | 324925 <br> 324925 | 2010 | Below Normal | August | -- | 578.6 | 557.9 | 20.8 | 3.6\% | 554.9 638.4 | 23.7 22.7 | 4.1\% | 549.0 6327 | 29.7 28.4 | 5.1\% | 543.1 | 35.5 340 | ${ }_{\text {b }}^{6.1 \%}$ | ${ }_{5}^{537.2}$ | 41.5 397 | 7.2\% | ${ }_{5}^{531.3}$ | 47.4 45.4 | ${ }^{8.2 \%}$ |
| ME6 | 324925 | 2010 | Below Normal | September | Used in Summary Table Analysis | 661.1 | 641.3 | 19.8 | 3.0\% | 638.4 | 22.7 | 3.4\% | ${ }^{632.7}$ | 28.4 | 4.3\% | 627.1 9.679 .3 | 34.0 26.0 | 5.1\% $0.3 \%$ | 622.4 9.674 .8 | 39.7 30.6 | 6.0\% | ${ }^{615.7}$ | 45.4 | 6.9\% |
| ME6 | 324925 <br> 324925 | 2011 | Wet Wet | October | Used in Summary Table Analysis | - ${ }^{\text {9,7,350.9 }}$ | 9, ${ }^{9,69.889 .2}$ | 15.2 11.6 | 0.2\% | 9,688.0 14,287.0 | 17.4 13.9 | 0.2\% | 9, 94.8833 .6 | 21.8 <br> 17.4 <br> 1 | 0.1\% | ${ }^{\text {14,280.1 }}$ | 20.8 20.8 | 0.1\% | ${ }^{14,2,276.8}$ | 30.6 24.3 | 0.2\% | 14,773.1 | 35.0 <br> 27.8 | - |
| me6 | 324925 | 2011 | Wet | December | Used | 34,028.9 | 34,018.5 | 10.4 | 0.0\% | 34,017.4 | 11.6 | 0.0\% | 34,013.9 | 15.0 | 0.0\% | 34,010.4 | 18.5 | 0.1\% | 34,008.1 | 20.8 | 0.1\% | 34,004.6 | 24.3 | 0.1\% |
| ME6 | 324925 | 2011 | Wet | January | -- | 14,218.8 | 14,209.5 | 9.3 | 0.1\% | 14,208.3 | 10.4 | 0.1\% | 14,206.0 | 12.7 | 0.1\% | 14,202.5 | 16.2 | 0.1\% | 14,200.2 | 18.5 | 0.1\% | 14,197.9 | 20.8 | 0.1\% |
| ME6 | 324925 | 2011 | Wet | February | - | 20,829.9 | 20,821.8 | 8.1 | 0.0\% | 20,820.6 | 9.3 | 0.0\% | 20,817.1 | 12.7 | 0.1\% | 20,814.8 | 15.0 | 0.1\% | 20,812.5 | 17.4 | 0.1\% | 20,810.2 | 19.7 | 0.1\% |
| ME6 | 324925 | 2011 | wet | March | -- | 52,222.2 | 52,214.1 | 8.1 | 0.0\% | 52,213.0 | 9.3 | 0.0\% | 52,210.6 | 11.6 | 0.0\% | 52,208.3 | 13.9 | 0.0\% | 52,206.0 | 16.2 | 0.0\% | 52,203.7 | 18.5 | 0.0\% |
| ME6 | 324925 | 2011 | Wet | April | -- | 24,875.0 | 24,866.9 | 8.1 | 0.0\% | 24,865.7 | 9.3 | 0.0\% | 24,863.4 | 11.6 | 0.0\% | 24,861.1 | 13.9 | 0.1\% | 24,858.8 | 16.2 | 0.1\% | 24,856.5 | 18.5 | 0.1\% |
| me6 | 324925 | 2011 | wet | May | - | 11,419.6 | 11,403.8 | 15.7 | 0.1\% | 11,401.5 | 18.1 | 0.2\% | 11,397.0 | 22.6 | 0.2\% | 11,392.4 | 27.2 | 0.2\% | 11,387,7 | 31.8 | 0.3\% | 11,383.2 | 36.3 | 0.3\% |
| ME6 | 324925 | 2011 | Wet | June | -- | 7,093.4 | 7,069.7 | 23.7 | 0.3\% | 7,066.3 | 27.1 | 0.4\% | 7,059.6 | 33.8 | 0.5\% | 7,052.9 | 40.5 | 0.6\% | 7,046.2 | 47.2 | 0.7\% | 7,039.5 | 53.9 | 0.8\% |
| ME6 | 324925 | 2011 | Wet | July | - | 1,834.0 | 1,810,3 | 23.7 | 1.3\% | 1,806.9 | 27.1 | 1.5\% | 1,800.1 | 33.9 | 1.8\% | 1,793.4 | 40.6 | 2.2\% | 1,786.6 | 47.5 | 2.6\% | 1,779.9 | 54.2 | 3.0\% |
| me6 | 324925 | 2011 | wet | August | -- | 785.2 | 764.7 | 20.5 | 2.6\% | 761.8 | 23.4 | 3.0\% | 756.0 | 29.2 | 3.7\% | 750.2 | 35.0 | 4.5\% | 744.3 | 40.9 | 5.2\% | 738.5 | 46.7 | 5.9\% |
| me6 | 324925 | 2011 | Wet | September | Used in Summary Table Analysis | 441.8 | 423.0 | 18.7 | 4.2\% | 420.4 | 21.4 | 4.8\% | 415.0 | 26.7 | 6.1\% | 409.7 | 32.1 | 7.3\% | 404.4 | 37.4 | 8.5\% | 399.0 | 42.7 | 9.7\% |
| ME6 | 324925 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,579.5 | 4,564.0 | 15.5 | 0.3\% | 4,561.8 | 17.7 | 0.4\% | 4,557.4 | 22.1 | 0.5\% | 4,552.9 | 26.6 | 0.6\% | 4,548.5 | 31.0 | 0.7\% | 4,544.0 | 35.5 | 0.8\% |
| ME6 | 324925 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,313.4 | 8,301.2 | 12.3 | 0.1\% | 8,299.3 | 14.1 | 0.2\% | 8,295.7 | 17.7 | 0.2\% | 8,292.2 | 21.2 | 0.3\% | 8,288.5 | 24.9 | 0.3\% | 8,285.0 | 28.5 | 0.3\% |
| me6 | 324925 | 2012 | Below Normal | December |  | 5,217.5 | 5,206.9 | 10.5 | 0.2\% | 5,205.4 | 12.0 | 0.2\% | 5,202.4 | 15.0 | 0.3\% | 5,199.4 | 18.1 | 0.3\% | 5,196.3 | 21.2 | 0.4\% | 5,193.2 | 24.3 | 0.5\% |
| me6 | 324925 | 2012 | Below Normal | January | -- | 20,399.9 | 20,320.6 | 9.3 | 0.0\% | 20,319.4 | 10.4 | 0.1\% | 20,316.0 | 13.9 | 0.1\% | 20,313.7 | 16.2 | 0.1\% | 20,310.2 | 19.7 | 0.1\% | 20,307.9 | 22.0 | 0.1\% |
| me6 | 324925 | 2012 | Below Normal | February | - | 18,275.5 | 18,266.2 | 9.3 | 0.1\% | 18,265.0 | 10.4 | 0.1\% | 18,262.7 | 12.7 | 0.1\% | 18,260.4 | 15.0 | 0.1\% | 18,258.1 | 17.4 | 0.1\% | 18,255.8 | 19.7 | 0.1\% |
| ME6 | 324925 | 2012 | Below Normal | March | -- | 45,677.1 | 45,667.8 | 9.3 | 0.0\% | 45,66.7 | 10.4 | 0.0\% | 45,664.4 | 12.7 | 0.0\% | 45,662.0 | 15.0 | 0.0\% | 45,659,7 | 17.4 | 0.0\% | 45,657.4 | 19.7 | 0.0\% |
| ME6 | 324925 | 2012 | Below Normal | April | - | 26,951.4 | 26,943.3 | 8.1 | 0.0\% | 26,942.1 | 9.3 | 0.0\% | 26,939.8 | 11.6 | 0.0\% | 26,937.5 | 13.9 | 0.1\% | 26,935.2 | 16.2 | 0.1\% | 26,332.9 | 18.5 | 0.1\% |
| ME 6 | 324925 | 2012 | Below Normal | May | - | 7,506.0 | 7,490.4 | 15.6 | 0.2\% | 7,488.2 | 17.8 | 0.2\% | 7,483.6 | 22.5 | 0.3\% | 7,479.1 | 27.0 | 0.4\% | 7,474.5 | 31.5 | 0.4\% | 7,469.9 | 36.1 | 0.5\% |
| me6 | 324925 | 2012 | Below Normal | June | -- | 5,552.2 | 5,528.1 | 24.1 | 0.4\% | 5,524.7 | 27.5 | 0.5\% | 5,517.8 | 34.4 | 0.6\% | 5,511.1 | 41.1 | 0.7\% | 5,504.3 | 47.9 | 0.9\% | 5,497.3 | 54.9 | 1.0\% |
| ME6 6 | 324925 | 2012 | Below Normal | July |  | 2,247.1 | 2,224.2 | 22.9 | 1.0\% | 2,220.8 | ${ }^{26.3}$ | ${ }^{1.2 \%}$ | 2,214.4 | 32.8 <br> 26.8 <br> 18. | ${ }^{1.5 \%}$ | 2,207.8 | 39.4 | 1.8\% | 2,201.2 | 45.9 | 2.0\% | 2,194.6 | 52.5 | 2.3\% |
| ME 6 | 324925 | 2012 | Below Normal | August | - | 395.0 | 376.3 | 18.8 | 4.7\% | ${ }^{373.6}$ | 21.4 | 5.4\% | ${ }^{368.3}$ | 26.8 | 6.8\% | 362.9 | 32.1 | 8.1\% | 357.6 | 37.4 | 9.5\% | 352.2 | ${ }^{42.8}$ | 10.8\% |
|  | 324925 |  | Below Normal | September | Used in Summary Table Analysis |  |  |  |  |  |  |  | 233.0 |  | 9.4\% | 228.2 | 28.8 |  | 223.5 | 33.6 |  | 218.7 |  | 14.9\% |

nthly Average Stream Flow Due to Groundwater Extraction
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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
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| Surface Water Depletion Area Area of Interest |  |  |  | Month | Note | Without Pumping (cfs) | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \substack{\text { Difference } \\ \text { (cfs) }} \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference Difference |
| me6 | 324727 | 2013 | Below Normal | June | - | 2,123.3 | 2,101.2 | 22.1 | 1.0\% | 2,098.0 | 25.2 | 1.2\% | 2,091.7 | 31.6 | 1.5\% | 2,085.3 | 38.0 | 1.8\% | 2,079.1 | 44.2 | 2.1\% | 2,072.7 | 50.6 | 2.4\% |
| me6 | 324727 | 2013 | Below Normal | July | - | 725.3 | 703.4 | 21.8 | 3.0\% | 700.3 | 24.9 | 3.4\% | 694.1 | 31.1 | 4.3\% | 688.0 | 37.3 | 5.1\% | 681.8 | 43.5 | 6.0\% | 675.6 | 49.7 | 6.8\% |
| me6 | 324727 | 2013 | Below Normal | August | -- | 349.5 | 328.9 | 20.6 | 5.9\% | 326.0 | 23.6 | 6.7\% | 320.1 | 29.4 | 8.4\% | 314.2 | 35.3 | 10.1\% | 308.3 | 41.2 | 11.8\% | 302.4 | 47.1 | 13.5\% |
| ME6 | 324727 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,836.7 | 4,815.3 | 21.4 | 0.4\% | 4,812.2 | 24.5 | 0.5\% | 4,806.0 | 30.7 | 0.6\% | 4,799.9 | 36.8 | 0.8\% | 4,793.8 | 42.9 | 0.9\% | 4,787.6 | 49.1 | 1.0\% |
| ME6 | 324727 | 2014 | Critical | October | Used in Summary Table Analysis | 284.6 | 268.7 | 15.9 | 5.6\% | 266.4 | 18.1 | 6.4\% | 261.9 | 22.7 | 8.0\% | 257.3 | 27.3 | 9.6\% | 252.7 | 31.9 | 11.2\% | 248.1 | 36.5 | 12.8\% |
| me6 | 324727 | 2014 | Critical | November | Used in Summary Table Analysis | 1,566.0 | 1,553.2 | 12.7 | 0.8\% | 1,551.4 | 14.6 | 0.9\% | 1,547.7 | 18.3 | 1.2\% | 1,543.9 | 22.1 | 1.4\% | 1,540.2 | 25.8 | 1.6\% | 1,536.5 | 29.5 | 1.9\% |
| ME 6 | 324727 | 2014 | Critical | December | - | 1,607.3 | 1,596.2 | 11.1 | 0.7\% | 1,594.6 | 12.7 | 0.8\% | 1,591.3 | 16.0 | 1.0\% | 1,588.1 | 19.2 | 1.2\% | 1,584.8 | 22.5 | 1.4\% | 1,581.6 | 25.7 | 1.6\% |
| me6 | 324727 | 2014 | Critical | January | -- | 2,850.3 | 2,840.5 | 9.8 | 0.3\% | 2,839.0 | 11.3 | 0.4\% | 2,836.2 | 14.1 | 0.5\% | 2,833.3 | 17.0 | 0.6\% | 2,830.3 | 20.0 | 0.7\% | 2,887.5 | 22.8 | 0.8\% |
| ME6 | 324727 | 2014 | Critical | February | -- | 15,834.5 | 15,825.2 | 9.3 | 0.1\% | 15,824.1 | 10.4 | 0.1\% | 15,820.6 | 13.9 | 0.1\% | 15,818.3 | 16.2 | 0.1\% | 15,816.0 | 18.5 | 0.1\% | 15,813.7 | 20.8 | 0.1\% |
| ME6 | 324727 | 2014 | Critical | March | -- | 31,589.1 | 31,581.0 | 8.1 | 0.0\% | 31,579.9 | 9.3 | 0.0\% | 31,577.5 | 11.6 | 0.0\% | 31,575.2 | 13.9 | 0.0\% | 31,571.8 | 17.4 | 0.1\% | 31,569.4 | 19.7 | 0.1\% |
| me6 | 324727 | 2014 | Critical | April | -- | 13,025.5 | 13,009.3 | 16.2 | 0.1\% | 13,006.9 | 18.5 | 0.1\% | 13,002.3 | 23.1 | 0.2\% | 12,997.7 | 27.8 | 0.2\% | 12,993.1 | 32.4 | 0.2\% | 12,988.4 | 37.0 | 0.3\% |
| ME 6 | 324727 | 2014 | Critical | May | - | 5,211.1 | 5,91.7 | 19.4 | 0.4\% | 5,188.9 | 22.2 | 0.4\% | 5,183.3 | 27.8 | 0.5\% | 5,177.8 | 33.3 | 0.6\% | 5,172.2 | 38.9 | 0.7\% | 5,166.7 | 44.4 | 0.9\% |
| me6 | 324727 | 2014 | Critical | June | - | 1,208.7 | 1,182.1 | 26.6 | 2.2\% | 1,178.2 | 30.4 | 2.5\% | 1,170.7 | 38.0 | 3.1\% | 1,163.2 | 45.5 | 3.8\% | 1,155.7 | 53.0 | 4.4\% | 1,148.2 | 60.5 | 5.0\% |
| me6 | 324727 | 2014 | Critical | July | -- | 553.8 | 528.8 | 25.0 | 4.5\% | 525.2 | 28.6 | 5.2\% | 518.1 | 35.7 | 6.4\% | 511.0 | 42.8 | 7.7\% | 503.9 | 49.9 | 9.0\% | 496.8 | 57.0 | 10.3\% |
| ME6 | 324727 | 2014 | Critical | August | -- | 357.6 | 333.5 | 24.1 | 6.7\% | 330.1 | 27.5 | 7.7\% | 323.2 | 34.3 | 9.6\% | 316.4 | 41.2 | 11.5\% | 309.5 | 48.1 | 13.4\% | 302.7 | 54.9 | 15.4\% |
| me6 | 324727 | 2014 | Critical | September | Used in Summary Table Analysis | 2,599.2 | 2,575.5 | 23.7 | 0.9\% | 2,572.0 | 27.2 | 1.0\% | 2,565.3 | 33.9 | 1.3\% | 2,558.6 | 40.6 | 1.6\% | 2,551.7 | 47.5 | 1.8\% | 2,544.9 | 54.3 | 2.1\% |
| ME 6 | 324727 | 2015 | Dry | October | Used in Summary Table Analysis | 11,452.2 | 11,433.2 | 19.0 | 0.2\% | 11,430.6 | 21.6 | 0.2\% | 11,425.3 | 26.9 | 0.2\% | 11,419.9 | 32.3 | 0.3\% | 11,414.6 | 37.6 | 0.3\% | 11,409.0 | 43.2 | 0.4\% |
| ME6 | 324727 | 2015 | Dry | November | Used in Summary Table Analysis | 9,132.6 | 9,118.4 | 14.2 | 0.2\% | 9,116.3 | 16.3 | 0.2\% | 9,112.3 | 20.4 | 0.2\% | 9,108.1 | 24.5 | 0.3\% | 9,103.9 | 28.7 | 0.3\% | 9,099.9 | 32.8 | 0.4\% |
| me6 | 324727 | 2015 | Dry | December | -- | 32,965.3 | 32,953.7 | 11.6 | 0.0\% | 32,951.4 | 13.9 | 0.0\% | 32,947.9 | 17.4 | 0.1\% | 32,944.4 | 20.8 | 0.1\% | 32,941.0 | 24.3 | 0.1\% | 32,937.5 | 27.8 | 0.1\% |
| ME6 | 324727 | 2015 | Dry | January | - | 14,630.8 | 14,619.2 | 11.6 | 0.1\% | 14,618.1 | 12.7 | 0.1\% | 14,614.6 | 16.2 | 0.1\% | 14,612.3 | 18.5 | 0.1\% | 14,608.8 | 22.0 | 0.2\% | 14,605.3 | 25.5 | 0.2\% |
| me6 | 324727 | 2015 | Dry | February | -- | 27,372.7 | 27,362.3 | 10.4 | 0.0\% | 27,361.1 | 11.6 | 0.0\% | 27,358.8 | 13.9 | 0.1\% | 27,35.3 | 17.4 | 0.1\% | 27,35.0 | 19.7 | 0.1\% | 27,350.7 | 22.0 | 0.1\% |
| ME 6 | 324727 | 2015 | Dry | March | - | 11,603.0 | 11,594.9 | 8.1 | 0.1\% | 11,593.8 | 9.3 | 0.1\% | 11,591.4 | 11.6 | 0.1\% | 11,589.1 | 13.9 | 0.1\% | ${ }^{11,586.8}$ | 16.2 | 0.1\% | 11,584.5 | 18.5 | 0.2\% |
| ME 6 | 324727 | 2015 | Dry | April | - | 8,47.1 | 8,460.9 | 16.2 | 0.2\% | 8,458.6 | 18.5 | 0.2\% | 8,453.9 | 23.1 | 0.3\% | 8,449.3 | 27.8 | 0.3\% | 8,444.7 | 32.4 | 0.4\% | 8,439.9 | 37.2 | 0.4\% |
| ME6 | 324727 | 2015 | Dry | May | -- | 1,512.8 | 1,493.8 | 19.1 | 1.3\% | 1,491.1 | 21.8 | 1.4\% | 1,485.6 | 27.2 | 1.8\% | 1,480.1 | 32.8 | 2.2\% | 1,474.7 | 38.2 | 2.5\% | 1,469.1 | 43.8 | 2.9\% |
| ME6 | 324727 | 2015 | Dry | June | - | 659.3 | 634.5 | 24.8 | 3.8\% | 631.0 | 28.3 | 4.3\% | 624.0 | 35.3 | 5.4\% | 616.9 | 42.4 | 6.4\% | 609.9 | 49.4 | 7.5\% | 603.0 | 56.3 | 8.5\% |
| ME6 | 324727 | 2015 | Dry | July | -- | 276.0 | 251.3 | 24.7 | 8.9\% | 247.8 | 28.2 | 10.2\% | 240.7 | 35.2 | 12.8\% | 233.6 | 42.4 | 15.3\% | 226.5 | 49.4 | 17.9\% | 219.5 | 56.4 | 20.4\% |
| ME6 | 324727 | 2015 | Dry | August | -- | 175.4 | 151.4 | 24.0 | 13.7\% | 148.0 | 27.5 | 15.7\% | 141.1 | 34.4 | 19.6\% | 134.1 | ${ }^{41.3}$ | 23.5\% | 127.2 | 48.2 | 27.5\% | 120.3 | 55.1 | 31.4\% |
| me6 | 324727 | 2015 | Dry | September | Used in Summary Table Analysis | 128.6 | 107.0 | 21.6 | 16.8\% | 103.7 | 24.9 | 19.4\% | 96.9 | 31.7 | 24.7\% | 90.3 | 38.4 | 29.8\% | 83.5 | 45.2 | 35.1\% | 76.8 | 51.8 | 40.3\% |
| ME6 | 324727 | 2016 | Above Normal | October | Used in Summary Table Analysis | 93.6 | 74.4 | 19.2 | 20.5\% | 71.2 | 22.4 | 23.9\% | 65.7 | 27.8 | 29.7\% | 60.1 | 33.5 | 35.8\% | 54.5 | 39.1 | 41.7\% | 49.2 | 44.4 | 47.4\% |
| ME6 | 324727 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,948.6 | 3,934.3 | 14.4 | 0.4\% | 3,931.8 | 16.8 | 0.4\% | 3,927.5 | 21.1 | 0.5\% | 3,923.0 | 25.6 | 0.6\% | 3,918.5 | 30.1 | 0.8\% | 3,914.1 | 34.5 | 0.9\% |
| ME6 | 324727 | 2016 | Above Normal | December |  | 37,028.9 | 37,016.2 | 12.7 | 0.0\% | 37,013.9 | 15.0 | 0.0\% | 37,010.4 | 18.5 | 0.1\% | 37,005.8 | 23.1 | 0.1\% | 37,02.3 | 26.6 | 0.1\% | 36,997.7 | 31.3 | 0.1\% |
| ME6 | 324727 | 2016 | Above Normal | January | - | 57,741.9 | 57,730.3 | 11.6 | 0.0\% | 57,728.0 | 13.9 | 0.0\% | 57,724.5 | 17.4 | 0.0\% | 57,721.1 | 20.8 | 0.0\% | 57,717.6 | 24.3 | 0.0\% | 57,714.1 | 27.8 | 0.0\% |
| ME6 | 324727 | 2016 | Above Normal | February |  | 24,36.8 | 24,327.5 | 9.3 | 0.0\% | 24,325.2 | 11.6 | 0.0\% | 24,322.9 | 13.9 | 0.1\% | 24,320.6 | 16.2 | 0.1\% | 24,317.1 | 19.7 | 0.1\% | 24,314.8 | 22.0 | 0.1\% |
| ME6 | 324727 | 2016 | Above Normal | March | -- | 41,975.7 | 41,966.4 | 9.3 | 0.0\% | 41,965.3 | 10.4 | 0.0\% | 41,963.0 | 12.7 | 0.0\% | 41,959.5 | 16.2 | 0.0\% | 41,957.2 | 18.5 | 0.0\% | 41,954.9 | 20.8 | 0.0\% |
| ME6 | 324727 | 2016 | Above Normal | April | - | 18,592.6 | 18,584.5 | 8.1 | 0.0\% | 18,583.3 | 9.3 | 0.0\% | 18,581.0 | 11.6 | 0.1\% | 18,577.5 | 15.0 | 0.1\% | 18,575.2 | 17.4 | 0.1\% | 18,572.9 | 19.7 | 0.1\% |
| ME 6 | 324727 | 2016 | Above Normal | May | - | 5,235.5 | 5,225.6 | 10.0 | 0.2\% | 5,224.0 | 11.6 | 0.2\% | 5,221.2 | 14.4 | 0.3\% | 5,218.2 | 17.4 | 0.3\% | 5,215.2 | 20.4 | 0.4\% | 5,212.2 | 23.4 | 0.4\% |
| ME 6 | 324727 | 2016 | Above Normal | June | -- | 1,519.0 | 1,500.0 | 19.0 | 1.2\% | 1,497.1 | 21.9 | 1.4\% | 1,491.8 | 27.2 | 1.8\% | 1,486.2 | 32.8 | 2.2\% | $1,480.8$ | 38.2 | ${ }^{2.5 \%}$ | $1,475.3$ 785 | 43.6 | ${ }^{2.9 \%}$ |
| ME 6 | 324727 | 2016 | Above Normal | July | -- | 833.7 | 812.2 | 21.5 | 2.6\% | 809.1 | 24.6 | 3.0\% | 803.0 | 30.7 | 3.7\% | 796.8 | 36.9 | 4.4\% | 790.6 | 43.1 | 5.2\% | 784.5 | 49.2 | 5.9\% |
| ME 6 | 324727 <br> 324727 <br> 3 | 2016 | Above Normal | August | -- | 502.8 338.7 | 481.6 3195 | 21.3 | ${ }^{4.2 \%}$ | 478.5 | 24.4 | ${ }^{4.8 \%}$ | 472.4 | 30.4 28.3 | ${ }_{\text {6.1\% }}^{63 \%}$ | 466.3 | 36.6 34.6 | $7.3 \%$ 10, | 460.2 2987 | 42.7 | 8.5\% | 454.0 2928 | 48.8 459 | 9.7\% |
| ME6 | 324727 | 2016 | Above Normal | September | Used in Summary Table Analysis | 338.7 | 319.5 | 19.2 | 5.7\% | 316.1 | 22.6 | 6.7\% | 310.4 | 28.3 | 8.3\% | 304.5 | 34.2 | 10.1\% | 298.7 | 40.0 | 11.8\% | 292.8 | 45.9 | 13.5\% |
| ME ${ }_{\text {M }}$ | 324727 | 2017 | Wet | October | Used in Summary Table Analysis | 18,445.6 | $18,429.4$ 189873 | 16.2 | 0.1\% | $18,427.1$ 189861 | 18.5 | 0.1\% | $18,422.5$ 189826 | 23.1 17.4 | ${ }_{\text {0.1\% }}^{0.1 \%}$ | $18,417.8$ 18978.0 | 27.8 220 | - | $18,413.2$ 18974.5 | 32.4 25.5 25, | - | $18,408.6$ 18971.1 | 37.0 <br> 28.9 | - $0.2 \%$ |
| ME6 | 324727 32427 | 2017 | Wet Wet | November | Used in Summary Table Analysis | $199,000.0$ $24,385.4$ | $18,987.3$ 24,35.0 | 12.7 10.4 | 0.1\%\% | $18,986.1$ 24,372.7 | 13.9 12.7 | 0.1\% | $18,982.6$ $24,370.4$ | 17.4 15.0 | - $0.1 \%$ | $18,978.0$ 24,36.9 | 22.0 18.5 | 0.1\% | $18,974.5$ $24,363.4$ | 22.5 22.0 | - $0.1 \%$ | $18,971.1$ $24,360.0$ | 28.9 25.9 | 0.1\% |
| ME6 | 324727 | 2017 | Wet | January | -- | 107,699.1 | 107,689.8 | 9.3 | 0.0\% | 107,687.5 | 11.6 | 0.0\% | 107,685.2 | 13.9 | 0.0\% | 107,681.7 | 17.4 | 0.0\% | 107,679.4 | 19.7 | 0.0\% | 107,675.9 | 23.1 | 0.0\% |
| ME 6 | 324727 | 2017 | Wet | February | -- | 82,302.1 | 82,292.8 | 9.3 | 0.0\% | 82,291.7 | 10.4 | 0.0\% | 82,289.4 | 12.7 | 0.0\% | 82,287.0 | 15.0 | 0.0\% | 82,283.6 | 18.5 | 0.0\% | 82,281.3 | 20.8 | 0.0\% |
| ME6 | 324727 | 2017 | Wet | March | - | 27,499.0 | 27,410.9 | 8.1 | 0.0\% | 27,409.7 | 9.3 | 0.0\% | 27,407.4 | 11.6 | 0.0\% | 27,405.1 | 13.9 | 0.1\% | 27,402.8 | 16.2 | 0.1\% | 27,400.5 | 18.5 | 0.1\% |
| ME6 | 324727 | 2017 | Wet | April | - | 23,093.8 | 23,085.6 | 8.1 | 0.0\% | 23,084.5 | 9.3 | 0.0\% | 23,082.2 | 11.6 | 0.1\% | 23,079.9 | 13.9 | 0.1\% | 23,077.5 | 16.2 | 0.1\% | 23,075.2 | 18.5 | 0.1\% |
| ME 6 | 324727 | 2017 | Wet | May | - | 6,278.9 | 6,268.9 | 10.1 | 0.2\% | 6,267.4 | 11.6 | 0.2\% | 6,264.5 | 14.5 | 0.2\% | 6,261.6 | 17.4 | 0.3\% | 6,258.6 | 20.4 | 0.3\% | 6,255.7 | 23.3 | 0.4\% |
| ME 6 | 324727 <br> 324727 <br> 3 | 2017 | Wet | June | - | ${ }_{\text {2,938.0 }}$ | 2,118.5 | 19.4 | ${ }^{0.9 \%}$ | $2,115.7$ <br> 926 | 22.2 24.7 | ${ }_{\text {1.0\% }}^{1.0 \%}$ | 2,110.2 | 27.8 30.8 | 1.3\% | 2,104.6 | 33.3 369 | 1.6\% | 2,099.2 | 38.8 431 | 1.8\% | 2,093.6 | 44.3 | $2.1 \%$ $5.2 \%$ |
| ME ${ }_{\text {M }}$ | 324727 | 2017 | Wet | July | - | 948.2 | 926.7 | 21.6 | 2.3\% | ${ }^{923.6}$ | 24.7 | 2.6\% | 917.4 | ${ }^{30.8}$ | $3.2 \%$ $5.8 \%$ 8.8 | 911.3 | 36.9 <br> 363 <br> 1 | 3.9\% $7.0 \%$ $100 \%$ | 905.2 | 43.1 | 4.5\% | 899.1 | 49.2 | 5.2\% ${ }_{\text {9.3\% }}$ |
| ME6 | 324727 | 2017 | Wet | September | Used in Summary Table Analysis | 334.8 | 315.1 | 19.7 | 5.9\% | 312.2 | 22.6 | 6.7\% | 306.6 | 28.2 | 8.4\% | 300.9 | 33.9 | 10.1\% | 295.3 | 39.5 | 11.8\% | 289.6 | 45.2 | 13.5\% |
| ME6 | 324727 | 2018 | Above Normal | October | Used in Summary Table Analysis | 287.5 | 271.6 | 15.9 | 5.5\% | 269.3 | 18.2 | 6.3\% | 264.7 | 22.8 | 7.9\% | 260.1 | 27.4 | 9.5\% | 255.5 | 32.0 | 11.1\% | 251.0 | 36.5 | 12.7\% |
| ME6 | 324727 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,972.7 | 10,960.1 | 12.6 | 0.1\% | 10,958.2 | 14.5 | 0.1\% | 10,954.5 | 18.2 | 0.2\% | 10,950.8 | 21.9 | 0.2\% | 10,947.1 | 25.6 | 0.2\% | 10,943.4 | 29.3 | 0.3\% |
| ME 6 | 324727 | 2018 | Above Normal | December | -- | 5,464.9 | 5,454.3 | 10.6 | 0.2\% | 5,452.8 | 12.2 | 0.2\% | 5,449.7 | 15.3 | 0.3\% | 5,446.5 | 18.4 | 0.3\% | 5,443.4 | 21.5 | 0.4\% | 5,400.3 | 24.7 | 0.5\% |
| ME6 | 324727 | 2018 | Above Normal | January | -- | 18,089.1 | 18,079.9 | 9.3 | 0.1\% | 18,078.7 | 10.4 | 0.1\% | 18,075.2 | 13.9 | 0.1\% | 18,072.9 | 16.2 | 0.1\% | 18,069.4 | 19.7 | 0.1\% | 18,067.1 | 22.0 | 0.1\% |
| ME6 | 324727 | 2018 | Above Normal | February | - | 7,613.5 | 7,605.3 | 8.2 | 0.1\% | 7,604.1 | 9.5 | 0.1\% | 7,601.5 | 12.0 | 0.2\% | 7,599.1 | 14.5 | 0.2\% | 7,596.5 | 17.0 | 0.2\% | 7,594.0 | 19.6 | 0.3\% |
| ME6 | 324727 | 2018 | Above Normal | March | -- | 20,899.3 | 20,891.2 | 8.1 | 0.0\% | 20,890.0 | 9.3 | 0.0\% | 20,887.7 | 11.6 | 0.1\% | 20,885.4 | 13.9 | 0.1\% | 20,883.1 | 16.2 | 0.1\% | 20,880.8 | 18.5 | 0.1\% |
| ME6 | 324727 | 2018 | Above Normal | April | - | 32,434.0 | 32,427.1 | 6.9 | 0.0\% | 32,425.9 | 8.1 | 0.0\% | 32,423.6 | 10.4 | 0.0\% | 32,421.3 | 12.7 | 0.0\% | 32,419.0 | 15.0 | 0.0\% | 32,416.7 | 17.4 | 0.1\% |
| ME 6 | 324727 | 2018 | Above Normal | May | - | 6,997.2 | 6,982.1 | 15.2 | 0.2\% | 6,97999 | 17.4 | 0.2\% | 6,975.6 | 21.6 | 0.3\% | 6,971.2 | 26.0 | 0.4\% | $6,966.8$ <br> 1,884 | 30.4 39.6 | ${ }^{0.4 \%}$ | $6,962.7$ 18792 | 34.5 | - ${ }_{\text {0.5\% }}$ |
| ME6 | 324727 | 2018 | Above Normal | June | - | 1,924.4 | 1,904.5 | 19.9 | 1.0\% | 1,901.7 | 22.7 | 1.2\% | 1,896.1 | 28.4 | 1.5\% | 1,890.5 | 33.9 | 1.8\% | 1,884.8 | 39.6 | 2.1\% | 1,879.2 | 45.3 | 2.4\% |
| ME6 | 324727 | 2018 | Above Normal | July | - | 793.2 <br> 545 | 771.4 | 21.8 | 2.7\% | 768.3 | 24.9 <br> 23.4 <br> 2.4 | $3.1 \%$ $51 \%$ 7.6 | 762.1 4252 | $\begin{array}{r}31.1 \\ \hline 292\end{array}$ | $3.9 \%$ $6.4 \%$ | 755.9 419.4 | 37.3 351 | 4.7\% | 749.7 4135 | 43.5 41.0 | 5.5\% $9.0 \%$ 1.2 | 743.5 407.7 | 49.7 46.8 | 6.3\% $10.3 \%$ |
| ME6 | 324727 | 2018 | Above Normal | August |  | 454.5 | 434.0 | 20.5 | 4.5\% | 431.1 | ${ }^{23.4}$ | 5.1\% | 425.2 | 29.2 | 6.4\% | 419.4 | 35.1 | 7.7\% | 413.5 | ${ }_{31.0}$ | 9.0\% | 407.7 | 46.8 | 10.3\% |
|  | 324727 | 2018 | Above Normal | September | Used in Summary Table Analysis | 311.2 | 291.4 | 19.8 | 6.4\% | 288.6 |  | 7.3\% | 282.9 | 28.3 | 9.1\% | 277.2 | 33.9 | 10.9\% | 271.5 | 39.6 | 12.7\% | 265.8 | 45.3 | 14.6\% |

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
EER River Valley Groundwater sustainability Plan
Humboldt County Groundwate Sustainabily

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \& \multirow[b]{2}{*}{Model Cell (Row, Column, Surface Water Reach)} \& \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Water Year Water Year Type}} \& \multirow[b]{2}{*}{Month} \& \multirow[b]{2}{*}{Note} \& \multirow[b]{2}{*}{Flow Without Pumping} \& \multicolumn{3}{|c|}{75\% Pumping Increase} \& \multicolumn{3}{|c|}{100\% Pumping Increase} \& \multicolumn{3}{|c|}{150\% Pumping Increase} \& \multicolumn{3}{|c|}{200\% Pumping Increase} \& \multicolumn{3}{|c|}{250\% Pumping Increase} \& \multicolumn{3}{|c|}{300\% Pumping Increase} \\
\hline Surface Water Depletion Area Area of Interes \& \& \& \& \& \& \& Flow (ffs) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (ffs) }
\end{gathered}
\] \& Percent Difference \& Flow (cts) \& Flow
Difference (cfs) \& Percent
Difference Difference \& Flow (cts) \& \[
\begin{gathered}
\text { Flow } \\
\text { Difference } \\
\text { (ffs) }
\end{gathered}
\] \& Percent
Difference \& Flow (cts) \& \[
\underset{\substack{\text { Difow } \\ \text { Diference } \\ \text { (ffs) }}}{\substack{\text { con }}}
\] \& Percent
Difference \& Flow (ffs) \& \[
\begin{gathered}
\text { Fiffow } \\
\substack{\text { Diference } \\
\text { (ffs) }}
\end{gathered}
\] \& Percent
Difference \& Flow (ffs) \& \[
\begin{gathered}
\text { Filow } \\
\text { Difference } \\
\text { (cfs) }
\end{gathered}
\] \& Percent
Difference \\
\hline ME 6 \& 324727 \& 2019 \& Below Normal \& October \& Used in Summary Table Analysis \& 217.1 \& 201.5 \& 15.7 \& 7.2\% \& 1993 \& 17.9 \& 8.2\% \& 194.7 \& 22.4 \& 10.3\% \& 190.1 \& 27.0 \& 12.5\% \& 185.7 \& 31.4 \& 14.5\% \& 181.2 \& 36.0 \& 16.6\% \\
\hline ME 6 \& 32427 \& 2019 \& Below Normal \& November \& Used in Summary Table Analysis \& 6,743.5 \& 6,730.8 \& 12.7 \& 0.2\% \& 6,728.9 \& 14.6 \& 0.2\% \& 6,725.2 \& 18.3 \& 0.3\% \& 6,721.5 \& 22.0 \& 0.3\% \& 6,717.8 \& 25.7 \& 0.4\% \& 6,714.1 \& 29.4 \& 0.4\% \\
\hline me 6 \& 324727 \& 2019 \& Below Normal \& December - \& \& 14,86.9 \& 14,856.5 \& 10.4 \& 0.1\% \& 14,854.2 \& 12.7 \& 0.1\% \& 14,851.9 \& 15.0 \& 0.1\% \& 14,848,4 \& 18.5 \& 0.1\% \& 14,844.9 \& 22.0 \& 0.1\% \& 14,841.4 \& 25.5 \& 0.2\% \\
\hline ME 6 \& 324727 \& 2019 \& Below Normal \& January \& -- \& 35,625.0 \& 35,614.6 \& 10.4 \& 0.0\% \& 35,613.4 \& 11.6 \& 0.0\% \& 35,61.1 \& 13.9 \& 0.0\% \& 35,607.6 \& 17.4 \& 0.0\% \& 35,005.3 \& 19.7 \& 0.1\% \& 35,601.9 \& 23.1 \& 0.1\% \\
\hline me 6 \& 324727 \& 2019 \& Below Normal \& February \& \& 142,349.5 \& 142,338.0 \& 11.6 \& 0.0\% \& 142,338.0 \& 11.6 \& 0.0\% \& 142,338.0 \& 11.6 \& 0.0\% \& 142,338.0 \& 11.6 \& 0.0\% \& 142,38.0 \& 11.6 \& 0.0\% \& 142,326.4 \& 23.1 \& 0.0\% \\
\hline me 6 \& 324727 \& 2019 \& Below Normal \& March \& - \& 42,539.4 \& 42,531.3 \& 8.1 \& 0.0\% \& 42,530.1 \& 9.3 \& 0.0\% \& 42,527.8 \& 11.6 \& 0.0\% \& 42,525.5 \& 13.9 \& 0.0\% \& 42,523.1 \& 16.2 \& 0.0\% \& 42,520.8 \& 18.5 \& 0.0\% \\
\hline ME 6 \& 32427 \& 2019 \& Below Normal \& April \& - \& 15,334.5 \& 15,326.4 \& 8.1 \& 0.1\% \& 15,326.4 \& 8.1 \& 0.1\% \& 15,324.1 \& 10.4 \& 0.1\% \& 15,321.8 \& 12.7 \& 0.1\% \& 15,319.4 \& 15.0 \& 0.1\% \& 15,317.1 \& 17.4 \& 0.1\% \\
\hline me 6 \& 324727 \& 2019 \& Below Normal \& May \& - \& 17,248.8 \& 17,232.6 \& 16.2 \& 0.1\% \& 17,230.3 \& 18.5 \& 0.1\% \& 17,225.7 \& 23.1 \& 0.1\% \& 17,221.1 \& 27.8 \& 0.2\% \& 17,216.4 \& 32.4 \& 0.2\% \& 17,211.8 \& 37.0 \& 0.2\% \\
\hline me 6 \& 324727 \& 2019 \& Below Normal \& June \& - \& 4,244.9 \& 4,223.5 \& 21.4 \& 0.5\% \& 4,220.5 \& 24.4 \& 0.6\% \& 4,214.5 \& 30.4 \& 0.7\% \& 4,208.7 \& 36.2 \& 0.9\% \& 4,202.9 \& 42.0 \& 1.0\% \& 4,197.2 \& 47.7 \& 1.1\% \\
\hline ME6 \& 324727 \& 2019 \& Below Normal \& July \& - \& 1,375.2 \& 1,353.4 \& 21.9 \& 1.5\% \& 1,350.2 \& 25.0 \& 1.8\% \& 1,344.1 \& 31.1 \& 2.3\% \& 1,337.8 \& 37.4 \& 2.7\% \& 1,331.6 \& 43.6 \& 3.2\% \& 1,325.3 \& 49.9 \& 3.6\% \\
\hline me6 \& 324727 \& 2019 \& Below Normal \& August \& -- \& 609.9 \& 588.9 \& 21.0 \& 3.4\% \& 585.9 \& 24.0 \& 3.9\% \& 579.9 \& 30.0 \& 4.9\% \& 574.0 \& 35.9 \& 5.9\% \& 568.0 \& 41.9 \& 6.9\% \& 562.0 \& 47.9 \& 7.9\% \\
\hline ME6 6 \& 324727 \& 2019 \& Below Normal \& September \& Used in Summary Table Analysis \& 474.5 \& 454.8 \& 19.7 \& 4.1\% \& 452.0 \& 22.5 \& 4.7\% \& 446.3 \& 28.1 \& 5.9\% \& 440.7 \& 33.8 \& 7.1\% \& 435.0 \& 39.4 \& 8.3\% \& 429.4 \& 45.1 \& 9.5\% \\
\hline ME 6 \& 324727 \& 2020 \& Dry \& October \& Used in Summary Table Analysis \& 365.3 \& 350.2 \& 15.1 \& 4.1\% \& 348.0 \& 17.3 \& 4.7\% \& 343.6 \& 21.6 \& 5.9\% \& 339.2 \& 26.0 \& 7.1\% \& 334.8 \& 30.4 \& 8.3\% \& 330.5 \& 34.8 \& 9.5\% \\
\hline me 6 \& 324727 \& 2020 \& Dry \& November \& Used in Summary Table Analysis \& 336.4 \& 324.5 \& 12.0 \& 3.6\% \& 322.7 \& 13.7 \& 4.1\% \& 319.2 \& 17.2 \& 5.1\% \& 315.7 \& 20.7 \& 6.2\% \& 312.2 \& 24.3 \& 7.2\% \& 308.6 \& 27.8 \& 8.3\% \\
\hline ME6 \& 324727 \& 2020 \& Dry \& December - \& \& 13,578.7 \& 13,567.1 \& 11.6 \& 0.1\% \& 13,56.0 \& 12.7 \& 0.1\% \& 13,562.5 \& 16.2 \& 0.1\% \& 13,559.0 \& 19.7 \& 0.1\% \& 13,556.7 \& 22.0 \& 0.2\% \& 13,553.2 \& 25.5 \& 0.2\% \\
\hline me6 \& 324727 \& 2020 \& Dry \& January \& -- \& 22,560.2 \& 22,550.9 \& 9.3 \& 0.0\% \& 22,549.8 \& 10.4 \& 0.0\% \& 22,546.3 \& 13.9 \& 0.1\% \& 22,544.0 \& 16.2 \& 0.1\% \& 22,540.5 \& 19.7 \& 0.1\% \& 22,538.2 \& 22.0 \& 0.1\% \\
\hline ME6 \& 324727 \& 2020 \& Dry \& February - \& -- \& 7,425.6 \& 7,417.0 \& 8.6 \& 0.1\% \& 7,415.7 \& 9.8 \& 0.1\% \& 7,413,2 \& 12.4 \& 0.2\% \& 7,410.6 \& 14.9 \& 0.2\% \& 7,408.0 \& 17.6 \& 0.2\% \& 7,405.4 \& 20.1 \& 0.3\% \\
\hline me 6 \& 324727 \& 2020 \& Dry \& March \& -- \& 7,287.7 \& 7,279.7 \& 8.0 \& 0.1\% \& 7,278.6 \& 9.1 \& 0.1\% \& 7,276.2 \& 11.6 \& 0.2\% \& 7,273.7 \& 14.0 \& 0.2\% \& 7,271.3 \& 16.4 \& 0.2\% \& 7,268.9 \& 18.9 \& 0.3\% \\
\hline me 6 \& 324727 \& 2020 \& Dry \& April \& - \& 5,530.8 \& 5,514.8 \& 16.0 \& 0.3\% \& 5,512.5 \& 18.3 \& 0.3\% \& 5,507.9 \& 22.9 \& 0.4\% \& 5,503.1 \& 27.7 \& 0.5\% \& 5,498.5 \& 32.3 \& 0.6\% \& 5,493.9 \& 36.9 \& 0.7\% \\
\hline ME6 \& 324727 \& 2020 \& Dry \& May \& - \& 7,438.1 \& 7,418.8 \& 19.3 \& 0.3\% \& 7,416.0 \& 22.1 \& 0.3\% \& 7,410.4 \& 27.7 \& 0.4\% \& 7,404.7 \& 33.3 \& 0.4\% \& 7,399.2 \& 38.9 \& 0.5\% \& 7,393.6 \& 44.4 \& 0.6\% \\
\hline me6 \& 324727 \& 2020 \& Dry \& June \& - \& 2,108.4 \& 2,082.9 \& 25.6 \& 1.2\% \& 2,079.3 \& 29.2 \& 1.4\% \& 2,072.3 \& 36.1 \& 1.7\% \& 2,065.4 \& 43.1 \& 2.0\% \& 2,058.4 \& 50.0 \& 2.4\% \& 2,051.5 \& 56.9 \& 2.7\% \\
\hline ME 6 \& 324727 \& 2020 \& Dry \& July \& - \& 805.6 \& 780.2 \& 25.5 \& 3.2\% \& 776.5 \& 29.1 \& 3.6\% \& 769.2 \& 36.4 \& 4.5\% \& 762.0 \& 43.7 \& 5.4\% \& 754.7 \& 51.0 \& 6.3\% \& 747.4 \& 58.2 \& 7.2\% \\
\hline me 6 \& 324727 \& 2020 \& Dry \& August \& -- \& 408.9 \& 383.7 \& 25.3 \& 6.2\% \& 380.0 \& 28.9 \& 7.1\% \& 372.8 \& 36.1 \& 8.8\% \& 365.6 \& 43.3 \& 10.6\% \& 358.4 \& 50.6 \& 12.4\% \& 351.2 \& 57.8 \& 14.1\% \\
\hline me 6 \& 324727 \& 2020 \& Dry \& September \& Used in Summary Table Analysis \& 258.2 \& 235.2 \& 23.0 \& 8.9\% \& 231.9 \& 26.2 \& 10.2\% \& 224.5 \& 33.6 \& 13.0\% \& 217.7 \& 40.5 \& 15.7\% \& 210.6 \& 47.6 \& 18.4\% \& 203.6 \& 54.6 \& 21.1\% \\
\hline ME7 \& 324430 \& 2000 \& Above Normal \& Octaber \& Used in Summary Table Analysis \& 838.1 \& 821.6 \& 16.5 \& 2.0\% \& 819.2 \& 18.9 \& 2.3\% \& 814.4 \& 23.6 \& 2.8\% \& 809.6 \& 28.5 \& 3.4\% \& 804.8 \& 33.3 \& 4.0\% \& 800.0 \& 38.1 \& 4.5\% \\
\hline me7 \& 324430 \& 2000 \& Above Normal \& November \& Used in Summary Table Analysis \& 12,409.7 \& 12,397.0 \& 12.7 \& 0.1\% \& 12,394.7 \& 15.0 \& 0.1\% \& 12,391.2 \& 18.5 \& 0.1\% \& 12,386.6 \& 23.1 \& 0.2\% \& 12,383.1 \& 26.6 \& 0.2\% \& 12,379.6 \& 30.1 \& 0.2\% \\
\hline ME7 \& 324430 \& 2000 \& Above Normal \& December - \& \& 10,967.0 \& 10,956.0 \& 11.0 \& 0.1\% \& 10,954.3 \& 12.7 \& 0.1\% \& 10,951.0 \& 16.0 \& 0.1\% \& 10,947.7 \& 19.3 \& 0.2\% \& 10,944.3 \& \({ }^{22.7}\) \& 0.2\% \& 10,941.0 \& 26.0 \& 0.2\% \\
\hline ME7 \& 324430 \& 2000 \& Above Normal \& January \& -- \& 29,061.3 \& 29,050.9 \& 10.4 \& 0.0\% \& 29,049.8 \& 11.6 \& 0.0\% \& 29,046.3 \& 15.0 \& 0.1\% \& 29,044.0 \& 17.4 \& 0.1\% \& 29,040.5 \& 20.8 \& 0.1\% \& 29,037.0 \& 24.3 \& 0.1\% \\
\hline ME7 \& 324430 \& 2000 \& Above Normal \& February \& -- \& 37,357.6 \& 37,349.5 \& 8.1 \& 0.0\% \& 37,347.2 \& 10.4 \& 0.0\% \& 37,344,9 \& 12.7 \& 0.0\% \& 37,342,6 \& 15.0 \& 0.0\% \& 37,340.3 \& 17.4 \& 0.0\% \& 37,336.8 \& 20.8 \& 0.1\% \\
\hline ME7 \& 324430 \& 2000 \& Above Normal \& March \& -- \& 18,415.5 \& 18,407.4 \& 8.1 \& 0.0\% \& 18,406.3 \& 9.3 \& 0.1\% \& 18,403.9 \& 11.6 \& 0.1\% \& 18,401.6 \& 13.9 \& 0.1\% \& 18,399.3 \& 16.2 \& 0.1\% \& 18,395.8 \& 19.7 \& 0.1\% \\
\hline ME7 \& 324430 \& 2000 \& Above Normal \& April \& - \& 12,392.4 \& 12,384.3 \& 8.1 \& 0.1\% \& 12,383.1 \& 9.3 \& 0.1\% \& 12,380.8 \& 11.6 \& 0.1\% \& 12,378.5 \& 13.9 \& 0.1\% \& 12,376.2 \& 16.2 \& 0.1\% \& 12,373.8 \& 18.5 \& 0.1\% \\
\hline ME7 \& 324430
32430 \& 2000 \& Above Normal \& May \& - \& 7,160.4 \& 7,144.6 \& 15.9 \& 0.2\% \& 7,142.2 \& 18.2 \& 0.3\% \& 7,137.6 \& 22.8 \& 0.3\% \& 7,133.0 \& 27.4 \& \({ }^{0.4 \%}\) \& 7,128.5 \& 31.9 \& \({ }^{\text {0.4\% }}\) \& 7,123.8 \& 36.6
550 \& 0.5\% \\
\hline ME7 \& 324430 \& 2000 \& Above Normal \& June \& \& 2,639.9 \& 2,615.9 \& 24.1 \& 0.9\% \& 2,612.4 \& 27.5 \& 1.0\% \& 2,605.6 \& 34.4 \& 1.3\% \& 2,598.6 \& 41.3 \& 1.6\% \& 2,591.8 \& 48.1 \& 1.8\% \& 2,585.0 \& 55.0 \& 2.1\% \\
\hline ME7 \& 324430 \& 2000 \& Above Normal \& July \& - \& 1,008.2 \& 985.6 \& 22.6 \& 2.2\% \& 982.3 \& 25.8 \& 2.6\% \& 975.9 \& 32.3 \& 3.2\% \& 969.5 \& 38.7 \& 3.8\% \& 963.1 \& 45.1 \& 4.5\% \& 956.7 \& 51.5 \& 5.1\% \\
\hline ME7 \& 324430 \& 2000 \& Above Normal \& August \& -- \& 539.1 \& 517.7 \& 21.4 \& 4.0\% \& 514.6 \& 24.5 \& 4.5\% \& 508.5 \& 30.6 \& 5.7\% \& 502.4 \& 36.7 \& 6.8\% \& 496.3 \& 42.8 \& 7.9\% \& 490.2 \& 48.9 \& 9.1\% \\
\hline ME7 \& 324430 \& 2000 \& Above Normal \& September \& Used in Summary Table Analysis \& 310.9 \& 291.5 \& 19.3 \& 6.2\% \& 288.8 \& 22.1 \& 7.1\% \& 283.2 \& 27.6 \& 8.9\% \& 277.7 \& 33.2 \& 10.7\% \& 272.2 \& 38.7 \& 12.5\% \& 266.6 \& 44.3 \& 14.2\% \\
\hline ME7 7 \& 324330 \& 2001 \& Dry \& October \& Used in Summary Table Analysis \& 3,887.2 \& 3,870.9 \& 16.2 \& 0.4\% \& 3,888.6 \& 18.5 \& 0.5\% \& 3,863.9 \& \({ }^{23.3}\) \& 0.6\% \& 3,859.3 \& 27.9 \& 0.7\% \& 3,854.5 \& 32.6 \& 0.8\% \& 3,849.8 \& 37.4 \& 1.0\% \\
\hline ME7 7 \& 324430 \& 2001 \& Dry \& November \& Used in Summary Table Analysis \& 6,236.7 \& 6,223.7 \& 13.0 \& 0.2\% \& 6,221.9 \& 14.8 \& 0.2\% \& 6,218.1 \& 18.6 \& 0.3\% \& 6,214.2 \& \({ }^{22.5}\) \& 0.4\% \& 6,210.4 \& \({ }^{26.3}\) \& 0.4\% \& 6,206.6 \& 30.1 \& 0.5\% \\
\hline MET \& 324430 \& 2001 \& Dry \& December - \& -- \& 8,951.4 \& 8,940.3 \& 11.1 \& 0.1\% \& \({ }^{8,9838.7}\) \& 12.7 \& 0.1\% \& 8,935.4 \& 16.0 \& 0.2\% \& 8,9932.2 \& 19.2 \& \({ }^{0.2 \%}\) \& 8,928.9 \& 22.5 \& 0.3\% \& \(8,925.6\)
12979 \& 25.8 \& 0.3\% \\
\hline ME7 \& 324430 \& 2001 \& Dry \& January \& \& 13,002.3 \& 12,991.9 \& 10.4 \& 0.1\% \& 12,990.7 \& 11.6 \& 0.1\% \& 12,987.3 \& 15.0 \& 0.1\% \& 12,985.0 \& 17.4 \& 0.1\% \& 12,981.5 \& 20.8 \& 0.2\% \& 12,979.2 \& 23.1 \& 0.2\% \\
\hline ME7 \& 324430 \& 2001 \& Dry \& February \& -- \& 17,606.5 \& 17,597.2 \& 9.3 \& 0.1\% \& 17,596.1 \& 10.4 \& 0.1\% \& 17,593.8 \& 12.7 \& 0.1\% \& 17,591.4 \& 15.0 \& 0.1\% \& 17,588.0 \& 18.5 \& 0.1\% \& 17,585.6 \& 20.8 \& 0.1\% \\
\hline ME7 \& 324430 \& 2001 \& Dry \& March \& -- \& 12,36.9 \& 12,358.8 \& 8.1 \& 0.1\% \& 12,357.6 \& 9.3 \& 0.1\% \& 12,355.3 \& 11.6 \& 0.1\% \& 12,353.0 \& 13.9 \& \({ }^{0.1 \%}\) \& 12,350.7 \& 16.2 \& 0.1\% \& \(12,384.4\)
11,086
2, \& 18.5
376 \& 0.1\% \\
\hline ME7 \& 324430 \& 2001 \& Dry \& April \& - \& 11,046.2 \& 11,029.9 \& 16.3 \& 0.1\% \& 11,027.4 \& 18.8 \& 0.2\% \& 11,022.8 \& 23.4 \& 0.2\% \& 11,018.1 \& 28.1 \& 0.3\% \& 111,013.3 \& 32.9
39.1 \& 0.3\% \& 11,008.6 \& 37.6
448 \& 0.3\% \\
\hline ME7 \& 324430
324330 \& 2001 \& Dry \& May \& - \& \(2,642.5\)
26979 \& \(2,623.0\)
2670. \& 19.4 \& 0.7\% \& \(2,620.1\)
2,6667 \& 22.3 \& 0.8\% \& \(2,614.6\)
\(\mathbf{2} 658\) \& 27.9 \& \({ }_{\text {1.1. }}^{1.0}\) \& \(2,608.9\)
2,651.2 \& \({ }_{468}^{33.6}\) \& 1.3\% \& \(2,603.4\)
2,643 \& 39.1
54.5 \& \({ }^{1.5 \%}\) \& \(2,597.7\)
26358 \& 44.8 \& 1.7\% \\
\hline ME7 \& 324430 \& 2001 \& Dry \& June \& - \& 2,697.9 \& 2,670.6 \& 27.3 \& 1.0\% \& 2,666.7 \& 31.3 \& 1.2\% \& 2,658.9 \& 39.0 \& 1.4\% \& 2,651.2 \& 46.8 \& 1.7\% \& 2,643.4 \& 54.5 \& 2.0\% \& 2,635.8 \& \({ }^{62.2}\) \& 2.3\% \\
\hline MET 7 \& 324430 \& 2001 \& Dry \& July \& - \& 728.1 \& 701.8 \& 26.2 \& 3.6\% \& 698.1 \& 30.0 \& 4.1\% \& 690.6 \& 37.4 \& 5.1\% \& 683.2 \& 44.9 \& 6.2\% \& 675.8 \& 52.3 \& 7.2\% \& 668.2 \& 59.8 \& 8.2\% \\
\hline ME7 \& 324430 \& 2001 \& Dry \& August \& -- \& 186.1 \& 160.4 \& 25.7 \& 13.8\% \& 156.7 \& 29.4 \& 15.8\% \& 149.4 \& 36.7 \& 19.7\% \& 142.0 \& 44.0 \& 23.7\% \& 134.8 \& 51.3 \& 27.6\% \& 127.4 \& 58.7 \& 31.5\% \\
\hline ME7 \& 324430 \& 2001 \& Dry \& September \& Used in Summary Table Analysis \& 109.8 \& 86.4 \& 23.4 \& 21.3\% \& 83.0 \& 26.8 \& 24.4\% \& 76.3 \& 33.5 \& 30.5\% \& 69.6 \& 40.1 \& 36.6\% \& 63.0 \& 46.8 \& 42.6\% \& 56.2 \& 53.6 \& 48.8\% \\
\hline ME7 \& 324430 \& 2002 \& Below Normal \& October \& Used in Summary Table Analysis \& 280.8 \& 260.8 \& 20.0 \& 7.1\% \& 258.0 \& 22.9 \& 8.1\% \& 252.2 \& 28.7 \& 10.2\% \& 246.4 \& 34.4 \& 12.3\% \& 240.7 \& 40.2 \& 14.3\% \& 234.8 \& 46.1 \& 16.4\% \\
\hline ME7 \& 324430 \& 2002 \& Below Normal \& November \& Used in Summary Table Analysis \& 12,175.9 \& 12,159.7 \& 16.2 \& 0.1\% \& 12,157.4 \& 18.5 \& 0.2\% \& 12,152.8 \& \({ }^{23.1}\) \& 0.2\% \& 12,148.1 \& 27.8 \& 0.2\% \& 12,143.5 \& 32.4 \& 0.3\% \& 12,138.9 \& 37.0 \& 0.3\% \\
\hline ME7 \& 324430 \& 2002 \& Below Normal \& December \& \& 36,119.2 \& 36,105.3 \& 13.9 \& 0.0\% \& 36,103.0 \& 16.2 \& 0.0\% \& 36,098.4 \& 20.8 \& 0.1\% \& 36,094.9 \& 24.3 \& 0.1\% \& 36,090.3 \& 28.9 \& 0.1\% \& 36,086.8 \& 32.4 \& 0.1\% \\
\hline ME7 \& 324430 \& 2002 \& Below Normal \& January \& -- \& 31,152.8 \& 31,141.2 \& 11.6 \& 0.0\% \& 31,138.9 \& 13.9 \& 0.0\% \& 31,135.4 \& 17.4 \& \({ }^{0.1 \%}\) \& 31,131.9 \& 20.8
185 \& \({ }^{0.1 \%}\) \& 31,128.5 \& 24.3 \& 0.1\% \& \(31,125.0\)
248183 \& \begin{tabular}{l}
27.8 \\
\hline 25 \\
\hline 2.5
\end{tabular} \& 0.1\% \\
\hline ME7 \& 324430 \& 2002 \& Below Normal \& February \& \& 24,843.8 \& 24,832.2 \& 11.6 \& 0.0\% \& 24,831.0 \& 12.7 \& 0.1\% \& 24,827.5 \& 16.2 \& 0.1\% \& 24,825.2 \& 18.5 \& 0.1\% \& 24,821.8 \& 22.0 \& 0.1\% \& 24,818.3 \& 25.5 \& \({ }^{0.1 \%}\) \\
\hline ME7 7 \& 324330 \& 2002 \& \({ }^{\text {Below Normal }}\) \& March \& - \& 17,909.7 \& 17,899.3 \& 10.4 \& 0.1\% \& 17,898.1 \& 11.6 \& 0.1\% \& \({ }^{17,895.8}\) \& 13.9

238 \& 0.1\% \& $17,892.4$
9
9 \& 17.4

286 \& 0.1\% \& $17,890.0$
9
9,938
3 \& 19.7

33.3 \& | 0.1\% |
| :--- |
| $0.3 \%$ | \& - 17.8886 .6 \& 23.1

38.2 \& 0.1\%
$0.4 \%$ <br>
\hline ME 7
MET \& 324430 \& 2002 \& Below Normal \& April
May \& - \& 9,977.1 \& 9,960.4 \& 16.7 \& 0.2\% \& 9,958.0 \& 19.1 \& 0.2\% \& 9,953.2 \& ${ }^{23.8}$ \& 0.2\% \& 9,948.5 \& 28.6 \& ${ }^{0.3 \%}$ \& 9,943.8 \& ${ }^{33.3}$ \& ${ }^{0.3 \%}$ \& 9,938.9 \& 38.2 \& $0.4 \%$
$1.4 \%$ <br>
\hline ME7

MET \& | 324430 |
| :--- |
| 324430 | \& 2002

2022 \& Below Normal
Below Normal \& May \& $\cdots$ \& $3,341.1$
8670
c, \& 3,321.4
844.1
cein \& 19.7

22.9 \& 2.0\% \& | $3,318.5$ |
| :--- |
| 840.8 | \& 22.6

26.1 \& 0.7\%
$3.0 \%$ \& $3,313.0$
834.3 \& 28.1

32.7 \& 年.8.8\% \& | 3,307.3 |
| :--- |
| 827.8 | \& 33.8

39.2 \& 1.0\% \& $3,301.6$
821.3 \& 39.5
45.7 \& $1.2 \%$

$5.3 \%$ \& | $3,295.9$ |
| :--- |
| 814.8 | \& 45.1

52.2 \& $1.4 \%$
$6.0 \%$ <br>
\hline MET \& 32443
32430 \& 2002 \& Below Normal \& June \& -- \& 376.3 \& 352.7 \& 23.6 \& 6.3\% \& 349.4 \& 27.0 \& 7.2\% \& ${ }_{342.6}$ \& 33.7 \& 9.0\% \& ${ }_{335.9}$ \& 40.5 \& 10.7\% \& 329.1 \& 47.2 \& 12.5\% \& 322.4 \& 53.9 \& 14.3\% <br>
\hline ME7 \& 324430 \& 2002 \& Below Normal \& August \& -- \& 242.8 \& 220.4 \& 22.4 \& 9.2\% \& 217.2 \& 25.6 \& 10.6\% \& 210.8 \& 32.1 \& 13.2\% \& 204.4 \& 38.5 \& 15.9\% \& 197.9 \& 44.9 \& 18.5\% \& 191.5 \& 51.4 \& 21.1\% <br>
\hline ME7 \& 324430 \& 2002 \& Below Normal \& September \& Used in Summary Table Analysis \& 179.0 \& 157.6 \& 21.4 \& 12.0\% \& 154.5 \& 24.5 \& 13.7\% \& 148.3 \& 30.7 \& 17.1\% \& 142.1 \& 36.9 \& 20.6\% \& ${ }^{136.0}$ \& ${ }^{43.0}$ \& 24.0\% \& 129.8 \& 49.2 \& 27.5\% <br>
\hline ME7 \& 324430 \& 2003 \& Wet \& October \& Used in Summary Table Analysis \& 143.7 \& 125.8 \& 17.9 \& 12.4\% \& 123.2 \& 20.5 \& 14.3\% \& 118.0 \& 25.7 \& 17.9\% \& 112.8 \& 30.9 \& 21.5\% \& 107.6 \& 36.1 \& 25.1\% \& 102.4 \& 41.3 \& 28.7\% <br>
\hline ME7 \& 324430 \& 2003 \& Wet \& November \& Used in Summary Table Analysis \& 914.7 \& 900.2 \& 14.6 \& 1.6\% \& 898.0 \& 16.7 \& 1.8\% \& 893.8 \& 21.0 \& 2.3\% \& 889.4 \& 25.3 \& 2.8\% \& 885.2 \& 29.6 \& 3.2\% \& 880.9 \& 33.8 \& 3.7\% <br>
\hline ME7 \& 324430 \& 2003 \& Wet \& December - \& \& 57,843.8 \& 57,831.0 \& 12.7 \& 0.0\% \& 57,828.7 \& 15.0 \& 0.0\% \& 57,825.2 \& 18.5 \& 0.0\% \& 57,820.6 \& 23.1 \& 0.0\% \& 57,817.1 \& 26.6 \& 0.0\% \& 57,812.5 \& 31.3 \& 0.1\% <br>
\hline ME 7 \& 324430 \& 2003 \& Wet \& January \& \& 31,739.6 \& 31,728.0 \& 11.6 \& 0.0\% \& 31,726.9 \& 12.7 \& 0.0\% \& 31,723.4 \& 16.2 \& 0.1\% \& 31,719.9 \& 19.7 \& 0.1\% \& 31,716.4 \& 23.1 \& 0.1\% \& 31,713.0 \& 26.6 \& 0.1\% <br>
\hline
\end{tabular}

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | $\begin{gathered} \text { Flow } \\ \begin{array}{c} \text { Without } \\ \text { Pumping } \end{array} \end{gathered}$(cfs) | 75\% Pumping Increase |  |  | mping |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) |  |  | Note | Flow (cfs) |  | Flow Difference <br> (cfs) | Percent Differnce Differenc | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference |
| ME7 | 324430 | 2003 | Wet |  | February | -- | 20,465.3 | 20,456.0 | 9.3 | 0.0\% | 20,453.7 | 11.6 | 0.1\% | 20,451.4 | 13.9 | 0.1\% | 20,447.9 | 17.4 | 0.1\% | 20,445.6 | 19.7 | 0.1\% | 20,442.1 | 23.1 | 0.1\% |
| ME7 | 324430 | 2003 | Wet | March | - | 24,208.3 | 24,199.1 | 9.3 | 0.0\% | 24,199.8 | 11.6 | 0.0\% | 24,194.4 | 13.9 | 0.1\% | 24,192.1 | 16.2 | 0.1\% | 24,188.7 | 19.7 | 0.1\% | 24,186.3 | 22.0 | 0.1\% |
| ME 7 | 324430 | 2003 | Wet | April | - | 43,338.0 | 43,329.9 | 8.1 | 0.0\% | 43,328.7 | 9.3 | 0.0\% | 43,326.4 | 11.6 | 0.0\% | 43,322.9 | 15.0 | 0.0\% | 43,320.6 | 17.4 | 0.0\% | 43,318.3 | 19.7 | 0.0\% |
| ME7 | 324430 | 2003 | Wet | May | - | 12,281.3 | 12,263.9 | 17.4 | 0.1\% | 12,261.6 | 19.7 | 0.2\% | 12,256.9 | 24.3 | 0.2\% | 12,252.3 | 28.9 | 0.2\% | 12,247.7 | 33.6 | 0.3\% | 12,243.1 | 38.2 | 0.3\% |
| ME7 | 324430 | 2003 | Wet | June | - | 3,183,3 | 3,161.6 | 21.8 | 0.7\% | 3,158.4 | 24.9 | 0.8\% | 3,152.3 | 31.0 | 1.0\% | 3,146.2 | 37.2 | 1.2\% | 3,140.2 | 43.2 | 1.4\% | 3,134.0 | 49.3 | 1.5\% |
| me7 | 324430 | 2003 | wet | July | - | 1,493.3 | 1,470.0 | 23.3 | 1.6\% | 1,466.7 | 26.6 | 1.8\% | 1,460.1 | 33.2 | 2.2\% | 1,453.4 | 39.9 | 2.7\% | 1,446.8 | 46.5 | 3.1\% | 1,440.0 | 53.2 | 3.6\% |
| ME7 | 324430 | 2003 | Wet | August | -- | 778.6 | 755.8 | 22.7 | 2.9\% | 752.5 | 26.0 | 3.3\% | 746.0 | 32.5 | 4.2\% | 739.5 | 39.0 | 5.0\% | 733.0 | 45.6 | 5.9\% | 726.3 | 52.2 | 6.7\% |
| ME7 | 324430 | 2003 | Wet | September | Used in Summary Table Analysis | 475.2 | 455.3 | 19.8 | 4.2\% | 452.5 | 22.7 | 4.8\% | 446.7 | 28.4 | 6.0\% | 441.0 | 34.1 | 7.2\% | 435.3 | 39.8 | 8.4\% | 429.6 | 45.6 | 9.6\% |
| ME7 | 324430 | 2004 | Wet | October | Used in Summary Table Analysis | 341.6 | 325.0 | 16.6 | 4.9\% | 322.6 | 19.0 | 5.6\% | 317.8 | 23.8 | 7.0\% | 313.0 | 28.7 | 8.4\% | 308.1 | 33.5 | 9.8\% | 303.3 | 38.4 | 11.2\% |
| ME7 | 324430 | 2004 | Wet | November | Used in Summary Table Analysis | 5,925.5 | 5,911.8 | 13.7 | 0.2\% | 5,909.8 | 15.6 | 0.3\% | 5,905.8 | 19.7 | 0.3\% | 5,901.9 | 23.6 | 0.4\% | 5,897.8 | 27.7 | 0.5\% | 5,893.8 | 31.7 | 0.5\% |
| ME7 | 324430 | 2004 | Wet | December |  | 36,840.3 | 36,827.5 | 12.7 | 0.0\% | 36,826.4 | 13.9 | 0.0\% | 36,822.9 | 17.4 | 0.0\% | 36,819.4 | 20.8 | 0.1\% | 36,816.0 | 24.3 | 0.1\% | 36,811.3 | 28.9 | 0.1\% |
| ME7 | 324430 | 2004 | Wet | January | -- | 31,831.0 | 31,821.8 | 9.3 | 0.0\% | 31,819.4 | 11.6 | 0.0\% | 31,817.1 | 13.9 | 0.0\% | 31,813,7 | 17.4 | 0.1\% | 31,811.3 | 19.7 | 0.1\% | 31,807.9 | 23.1 | 0.1\% |
| ME7 | 324430 | 2004 | Wet | February | - | 38,581.0 | 38,571.8 | 9.3 | 0.0\% | 38,570.6 | 10.4 | 0.0\% | 38,568.3 | 12.7 | 0.0\% | 38,564.8 | 16.2 | 0.0\% | 38,562.5 | 18.5 | 0.0\% | 38,559.0 | 22.0 | 0.1\% |
| ME7 | 324430 | 2004 | Wet | March | -- | 16,585.6 | 16,576.4 | 9.3 | 0.1\% | 16,575.2 | 10.4 | 0.1\% | 16,572.9 | 12.7 | 0.1\% | 16,570.6 | 15.0 | 0.1\% | 16,568.3 | 17.4 | 0.1\% | 16,564.8 | 20.8 | 0.1\% |
| me7 | 324430 | 2004 | Wet | April | -- | 9,498.4 | 9,490.4 | 8.0 | 0.1\% | 9,489.2 | 9.1 | 0.1\% | 9,486.9 | 11.5 | 0.1\% | 9,484.6 | 13.8 | 0.1\% | 9,482.2 | 16.2 | 0.2\% | 9,479.7 | 18.6 | 0.2\% |
| ME7 | 324430 | 2004 | Wet | May | -- | 3,459.7 | 3,443.6 | 16.1 | 0.5\% | 3,441.3 | 18.4 | 0.5\% | 3,436.7 | 23.0 | 0.7\% | 3,432.1 | 27.7 | 0.8\% | 3,427.4 | 32.3 | 0.9\% | 3,422.8 | 36.9 | 1.1\% |
| ME7 | 324430 | 2004 | Wet | June | - | 704.5 | 683.6 | 20.8 | 3.0\% | 680.7 | 23.8 | 3.4\% | 674.7 | 29.7 | 4.2\% | 668.8 | 35.7 | 5.1\% | 662.9 | 41.6 | 5.9\% | 656.9 | 47.5 | 6.7\% |
| ME7 | 324430 | 2004 | Wet | July | - | 372.2 | 349.4 | 22.8 | 6.1\% | 346.1 | 26.1 | 7.0\% | 339.6 | 32.6 | 8.8\% | 333.1 | 39.1 | 10.5\% | 326.6 | 45.6 | 12.3\% | 320.0 | 52.2 | 14.0\% |
| ME7 | 324430 | 2004 | Wet | August | -- | 240.6 | 218.8 | 21.7 | 9.0\% | 215.7 | 24.9 | 10.3\% | 209.5 | 31.1 | 12.9\% | 203.2 | 37.3 | 15.5\% | 197.0 | 43.6 | 18.1\% | 190.8 | 49.8 | 20.7\% |
| me7 | 324430 | 2004 | Wet | September | Used in Summary Table Analysis | 176.7 | 155.8 | 20.9 | 11.8\% | 152.8 | 23.9 | 13.5\% | 146.8 | 29.9 | 16.9\% | 140.8 | 35.9 | 20.3\% | 134.7 | 41.9 | 23.7\% | 128.7 | 48.0 | 27.2\% |
| ME7 | 324430 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,840.0 | 7,823.1 | 16.9 | 0.2\% | 7,820.7 | 19.3 | 0.2\% | 7,815.7 | 24.3 | 0.3\% | 7,810.9 | 29.2 | 0.4\% | 7,805.9 | 34.1 | 0.4\% | 7,800.9 | 39.1 | 0.5\% |
| ME7 | 324430 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,282.3 | 2,269.0 | 13.3 | 0.6\% | 2,267.0 | 15.3 | 0.7\% | 2,263.2 | 19.1 | 0.8\% | 2,259.3 | 23.0 | 1.0\% | 2,255.4 | 26.9 | 1.2\% | 2,251.5 | 30.8 | 1.3\% |
| ME7 7 | 324430 | 2005 | Above Normal | December - |  | 21,471.1 | 21,459.5 | 11.6 | 0.1\% | 21,458.3 | 12.7 | 0.1\% | 21,454.9 | 16.2 | 0.1\% | 21,451.4 | 19.7 | 0.1\% | 21,447.9 | 23.1 | 0.1\% | 21,444.4 | 26.6 | 0.1\% |
| ME7 | 324430 | 2005 | Above Normal | January | -- | 22,732.6 | 22,722.2 | 10.4 | 0.0\% | 22,721.1 | 11.6 | 0.1\% | 22,717.6 | 15.0 | 0.1\% | 22,714.1 | 18.5 | 0.1\% | 22,711.8 | 20.8 | 0.1\% | 22,708.3 | 24.3 | 0.1\% |
| ME7 | 324430 | 2005 | Above Normal | February | -- | 14,075.2 | 14,067.1 | 8.1 | 0.1\% | 14,064.8 | 10.4 | 0.1\% | 14,062.5 | 12.7 | 0.1\% | 14,060.2 | 15.0 | 0.1\% | 14,057.9 | 17.4 | 0.1\% | 14,054.4 | 20.8 | 0.1\% |
| ME7 | 324430 | 2005 | Above Normal | March | -- | 28,833.3 | 28,825.2 | 8.1 | 0.0\% | 28,824.1 | 9.3 | 0.0\% | 28,821.8 | 11.6 | 0.0\% | 28,819.4 | 13.9 | 0.0\% | 28,817.1 | 16.2 | 0.1\% | 28,814.8 | 18.5 | 0.1\% |
| ME7 | 324430 | 2005 | Above Normal | April | - | 21,619.2 | 21,612.3 | 6.9 | 0.0\% | 21,610.0 | 9.3 | 0.0\% | 21,607.6 | 11.6 | 0.1\% | 21,605.3 | 13.9 | 0.1\% | 21,603.0 | 16.2 | 0.1\% | 21,600.7 | 18.5 | 0.1\% |
| ME7 | 324430 | 2005 | Above Normal | May | - | 19,778.9 | 19,762.7 | 16.2 | 0.1\% | 19,760.4 | 18.5 | 0.1\% | 19,755.8 | 23.1 | 0.1\% | 19,751.2 | 27.8 | 0.1\% | 19,746.5 | 32.4 | 0.2\% | 19,740.7 | 38.2 | 0.2\% |
| ME7 | 324430 | 2005 | Above Normal | June | - | 16,118.1 | 16,093.8 | 24.3 | 0.2\% | 16,090.3 | 27.8 | 0.2\% | 16,083.3 | 34.7 | 0.2\% | 16,076.4 | 41.7 | 0.3\% | 16,068.3 | 49.8 | 0.3\% | 16,061.3 | 56.7 | 0.4\% |
| ME7 | 324430 | 2005 | Above Normal | July | -- | 2,870.5 | 2,847.1 | 23.4 | 0.8\% | 2,843.8 | 26.7 | 0.9\% | 2,837.0 | 33.4 | 1.2\% | 2,830.3 | 40.2 | 1.4\% | 2,823.7 | 46.8 | 1.6\% | 2,817.0 | 53.5 | 1.9\% |
| ME7 | 324430 | 2005 | Above Normal | August |  | 1,001.3 | 979.8 | 21.5 | 2.1\% | 976.8 | 24.5 | 2.5\% | 970.6 | 30.7 | 3.1\% | 964.5 | 36.8 | 3.7\% | 958.4 | 43.0 | 4.3\% | 952.3 | 49.1 | 4.9\% |
| ME7 | 324430 | 2005 | Above Normal | September | Used in Summary Table Analysis | 542.8 | 523.5 | 19.4 | 3.6\% | 520.7 | 22.1 | 4.1\% | 515.1 | 27.7 | 5.1\% | 509.6 | 33.2 | 6.1\% | 504.0 | 38.8 | 7.1\% | 498.5 | 44.3 | 8.2\% |
| ME7 | 324430 | 2006 | Wet | October | Used in Summary Table Analysis | 654.7 | 638.8 | 16.0 | 2.4\% | 636.4 | 18.3 | 2.8\% | 631.8 | ${ }^{22.9}$ | 3.5\% | 627.2 | 27.5 | 4.2\% | 622.6 | 32.1 | 4.9\% | 618.0 | 36.8 | 5.6\% |
| ME7 | 324430 | 2006 | Wet | November | Used in Summary Table Analysis | 9,512.5 | 9,499.9 | 12.6 | 0.1\% | 9,498.0 | 14.5 | 0.2\% | 9,494.3 | 18.2 | 0.2\% | 9,490.6 | 21.9 | 0.2\% | 9,486.9 | 25.6 | 0.3\% | 9,483.2 | 29.3 | 0.3\% |
| ME7 | 324430 | 2006 | Wet | December - |  | 44,165.5 | 44,153.9 | 11.6 | 0.0\% | 44,152.8 | 12.7 | 0.0\% | 44,149.3 | 16.2 | 0.0\% | 44,145.8 | 19.7 | 0.0\% | 44,142.4 | 23.1 | 0.1\% | 44,138.9 | 26.6 | 0.1\% |
| ME7 | 324430 | 2006 | Wet | January | - | 46,898.1 | 46,887.7 | 10.4 | 0.0\% | 46,886.6 | 11.6 | 0.0\% | 46,883.1 | 15.0 | 0.0\% | 46,880.8 | 17.4 | 0.0\% | 46,877.3 | 20.8 | 0.0\% | 46,875.0 | 23.1 | 0.0\% |
| ME7 | 324430 | 2006 | Wet | February | - | 26,876.2 | 26,868.1 | 8.1 | 0.0\% | 26,865.7 | 10.4 | 0.0\% | 26,863.4 | 12.7 | 0.0\% | 26,861.1 | 15.0 | 0.1\% | 26,858.8 | 17.4 | 0.1\% | 26,856.5 | 19.7 | 0.1\% |
| ME7 7 | 324430 | 2006 | Wet | March | - | 47,635.4 | 47,627.3 | 8.1 | 0.0\% | 47,626.2 | 9.3 | 0.0\% | 47,623.8 | 11.6 | 0.0\% | 47,621.5 | 13.9 | 0.0\% | 47,618.1 | 17.4 | 0.0\% | 47,615.7 | 19.7 | 0.0\% |
| ME7 | 324430 | 2006 | Wet | April | - | 30,615.7 | 30,608.8 | 6.9 | 0.0\% | 30,607.6 | 8.1 | 0.0\% | 30,605.3 | 10.4 | 0.0\% | 30,603.0 | 12.7 | 0.0\% | 30,600.7 | 15.0 | 0.0\% | 30,598.4 | 17.4 | 0.1\% |
| ME7 | 324430 | 2006 | Wet | May | -- | 14,317.1 | 14,307.9 | 9.3 | 0.1\% | 14,306.7 | 10.4 | 0.1\% | 14,303.2 | 13.9 | 0.1\% | 14,300.9 | 16.2 | 0.1\% | 14,297.5 | 19.7 | 0.1\% | 14,294.0 | 23.1 | 0.2\% |
| ME7 7 | 324330 | 2006 | Wet | June | - | 3,563.0 | 3,542.6 | 20.4 | 0.6\% | 3,539.7 | ${ }^{23.3}$ | 0.7\% | 3,533.9 | 29.1 | 0.8\% | 3,528.1 | 34.8 | 1.0\% | 3,522.3 | 40.6 | 1.1\% | 3,514.6 | 46.4 | 1.3\% |
| me7 | 324430 | 2006 | Wet | July | -- | 1,299.9 | 1,277.7 | 22.2 | 1.7\% | 1,274.4 | 25.5 | 2.0\% | 1,268.1 | 31.8 | 2.4\% | 1,261.7 | 38.2 | 2.9\% | 1,255.4 | 44.4 | 3.4\% | 1,249.1 | 50.8 | 3.9\% |
| ME7 7 | 324430 | 2006 | Wet | August | - | 686.1 | 664.1 | ${ }^{22.1}$ | 3.2\% | 660.9 | 25.2 | 3.7\% | 654.6 | 31.5 | 4.6\% | 648.3 | 37.8 | 5.5\% | ${ }^{642.0}$ | 44.1 | 6.4\% | 635.7 | 50.4 | 7.3\% |
| ME7 | 324430 | 2006 | Wet | September | Used in Summary Table Analysis | 445.6 | 425.9 | 19.7 | 4.4\% | 423.1 | 22.5 | 5.0\% | 417.5 | 28.1 | 6.3\% | 411.8 | 33.8 | 7.6\% | 406.2 | 39.4 | 8.9\% | 400.5 | 45.1 | 10.1\% |
| ME7 | 324430 | 2007 | Above Normal | October | Used in Summary Table Analysis | 291.4 | 275.2 | 16.3 | 5.6\% | 272.8 | 18.6 | 6.4\% | 268.1 | 23.3 | 8.0\% | 263.4 | 28.1 | 9.6\% | 258.6 | 32.8 | 11.3\% | 253.8 | 37.6 | 12.9\% |
| ME7 | 324430 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,848.8 | 8,835.6 | 13.2 | 0.1\% | 8,833.7 | 15.2 | 0.2\% | 8,829.7 | 19.1 | 0.2\% | 8,825.8 | 23.0 | 0.3\% | $8,821.9$ | 27.0 | 0.3\% | $8,817.8$ | 31.0 | 0.4\% |
| me7 | 324430 | 2007 | Above Normal | December - | -- | 20,775.5 | 20,763.9 | 11.6 | 0.1\% | 20,761.6 | 13.9 | 0.1\% | 20,758.1 | 17.4 | 0.1\% | 20,754.6 | 20.8 | 0.1\% | 20,751.2 | 24.3 | 0.1\% | 20,747.7 | 27.8 | 0.1\% |
| ME7 7 | 324430 | 2007 | Above Normal | January | - | 10,349.2 | 10,339.2 | 10.0 | 0.1\% | 10,337.7 | 11.5 | 0.1\% | 10,334.8 | 14.4 | 0.1\% | 10,331.8 | 17.4 | 0.2\% | 10,328.9 | 20.3 | 0.2\% | 10,325.8 | 23.4 | 0.2\% |
| ME7 | 324430 | 2007 | Above Normal | February |  | 30,981.5 | 30,972.2 | 9.3 | 0.0\% | 30,971.1 | 10.4 | 0.0\% | 30,967.6 | 13.9 | 0.0\% | 30,965.3 | 16.2 | 0.1\% | 30,961.8 | 19.7 | 0.1\% | 30,959.5 | 22.0 | 0.1\% |
| me7 | 324430 | 2007 | Above Normal | March | -- | 13,172.5 | 13,164.4 | 8.1 | 0.1\% | 13,163.2 | 9.3 | 0.1\% | 13,159.7 | 12.7 | 0.1\% | 13,157.4 | 15.0 | 0.1\% | 13,155.1 | 17.4 | 0.1\% | 13,152.8 | 19.7 | 0.1\% |
| ME7 | 324430 | 2007 | Above Normal | April | - | 11,604.2 | 11,588.0 | 16.2 | 0.1\% | 11,585.6 | 18.5 | 0.2\% | 11,581.0 | 23.1 | 0.2\% | 11,576.4 | 27.8 | 0.2\% | 11,572.1 | 32.1 | 0.3\% | 11,567.5 | 36.7 | 0.3\% |
| ME7 | 324430 | 2007 | Above Normal | May | - | 4,172.8 | 4,153.9 | 18.9 | 0.5\% | 4,151.3 | 21.5 | 0.5\% | 4,145.8 | 27.0 | 0.6\% | 4,140.4 | 32.4 | 0.8\% | 4,135.0 | 37.8 | 0.9\% | 4,129.5 | 43.3 | 1.0\% |
| ME7 7 | 324430 | 2007 | Above Normal | June | - | 1,523.6 | 1,500.3 | ${ }^{23.3}$ | 1.5\% | 1,497.0 | 26.6 | 1.7\% | 1,490.4 | 33.2 | 2.2\% | 1,483.7 | 39.9 | 2.6\% | 1,477.1 | 46.5 | 3.1\% | 1,470.5 | 53.1 | 3.5\% |
| ME7 | 324430 | 2007 | Above Normal | July | - | 509.6 | 485.8 | 23.8 | 4.7\% | 482.4 | 27.2 | 5.3\% | 475.6 | 34.0 | 6.7\% | 468.9 | 40.8 | 8.0\% | 462.1 | 47.5 | 9.3\% | 455.3 | 54.3 | 10.7\% |
| ME7 | 324430 | 2007 | Above Normal | August | -- | 238.9 | 217.1 | 21.8 | 9.1\% | 214.0 | 24.9 | 10.4\% | 207.8 | 31.1 | 13.0\% | 201.6 | 37.3 | 15.6\% | 195.4 | 43.5 | 18.2\% | 189.2 | 49.7 | 20.8\% |
| ME7 | 324430 | 2007 | Above Normal | September | Used in Summary Table Analysis | 166.6 | 145.7 | 20.8 | 12.5\% | 142.7 | 23.8 | 14.3\% | 136.7 | 29.8 | 17.9\% | 130.8 | 35.8 | 21.5\% | 124.8 | 41.7 | 25.1\% | 118.9 | 47.7 | 28.6\% |
| ME7 | 324430 | 2008 | Dry | October | Used in Summary Table Analysis | 3,503.2 | 3,485.9 | 17.4 | 0.5\% | 3,483.3 | 19.9 | 0.6\% | 3,478.4 | 24.9 | 0.7\% | 3,473.4 | 29.9 | 0.9\% | 3,468.3 | 35.0 | 1.0\% | 3,463.2 | 40.0 | 1.1\% |
| ME7 | 324430 | 2008 | Dry | November 4 | Used in Summary Table Analysis | 3,341.0 | 3,327.5 | 13.4 | 0.4\% | 3,325.6 | 15.4 | 0.5\% | 3,321.6 | 19.3 | 0.6\% | 3,317.7 | 23.3 | 0.7\% | 3,313.8 | 27.2 | 0.8\% | 3,309.8 | 31.1 | 0.9\% |
| ME7 | 324430 | 2008 | Dry | December - | -- | 23,601.9 | 23,590.3 | 11.6 | 0.0\% | 23,588.0 | 13.9 | 0.1\% | 23,584.5 | 17.4 | 0.1\% | 23,581.0 | 20.8 | 0.1\% | 23,577.5 | 24.3 | 0.1\% | 23,574.1 | 27.8 | 0.1\% |
| ME7 | 324430 | 2008 | Dry | January | -- | 37,985.0 | 37,973.4 | 11.6 | 0.0\% | 37,972.2 | 12.7 | 0.0\% | 37,968.8 | 16.2 | 0.0\% | 37,966.4 | 18.5 | 0.0\% | 37,963.0 | 22.0 | 0.1\% | 37,959.5 | 25.5 | 0.1\% |
| ME7 | 324430 | 2008 | Dry | February - | - | 26,380.8 | 26,371.5 | 9.3 | 0.0\% | 26,370.4 | 10.4 | 0.0\% | 26,368.1 | 12.7 | 0.0\% | 26,365.7 | 15.0 | 0.1\% | 26,362.3 | 18.5 | 0.1\% | 26,360.0 | 20.8 | 0.1\% |
| ME7 | 324430 | 2008 | Dry | March | - | 11,847.2 | 11,839.1 | 8.1 | 0.1\% | 11,838.0 | 9.3 | 0.1\% | 11,835.6 | 11.6 | 0.1\% | 11,833.3 | 13.9 | 0.1\% | 11,831.0 | 16.2 | 0.1\% | 11,828.7 | 18.5 | 0.2\% |
| ME7 | 324430 32430 | 2008 | Dry | April | - | ${ }^{9,0061.3}$ | ${ }^{9}, 1,0453$ | 16.1 | ${ }^{0.2 \%}$ | ${ }^{9}, 1,042.9$ | 18.4 | 0.2\% | $9,038.3$ <br> 1355 | 23.0 251 | - ${ }_{\text {0.3\% }}^{18 \%}$ | ${ }^{9,0333.7}$ | 27.7 | 0.3\% | ${ }^{9,0299.1}$ | 32.3 348 | 0.4\% | ${ }^{9}, 0024.4$ | 36.9 397 | 0.4\% |
| ME7 | 324430 | 2008 | Dry | May - | -- | 1,360.6 | 1,343.2 | 17.5 | 1.3\% | 1,340.6 | 20.0 | 1.5\% | 1,335.5 | 25.1 | 1.8\% | 1,330.7 | 30.0 | 2.2\% | 1,325.8 | 34.8 | 2.6\% | 1,320.9 | 39.7 | 2.9\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

|  | Model Cell (Row, Column, Surface Wate Reach) | Water Year Water Year Type |  | Month | Note | Flow Without Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest |  |  |  | Flow (ffs) |  |  | $\begin{aligned} & \text { Fiow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Fiffow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cts) | $\begin{aligned} & \text { Fow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (ffs) | Flow Difference <br> (cfs) | Percent Difference | Flow (cts) | $\begin{aligned} & \text { Fiffow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference |
| ME7 | 324430 | 2019 | Below Normal |  | February | -- | 142,500.0 | 142,488.4 | 11.6 | 0.0\% | 142,48,.4 | 11.6 | 0.0\% | 142,488.4 | 11.6 | 0.0\% | 142,476.9 | 23.1 | 0.0\% | 142,476.9 | 23.1 | 0.0\% | 142,476.9 | 23.1 | 0.0\% |
| ME7 | 324430 | 2019 | Below Normal | March | - | 42,613.4 | 42,604.2 | 9.3 | 0.0\% | 42,603.0 | 10.4 | 0.0\% | 42,600.7 | 12.7 | 0.0\% | 42,598.4 | 15.0 | 0.0\% | 42,597.2 | 16.2 | 0.0\% | 42,593.8 | 19.7 | 0.0\% |
| ME7 | 324430 | 2019 | Below Normal | April | - | 15,36.5 | 15,38.4 | 8.1 | 0.1\% | 15,347.2 | 9.3 | 0.1\% | 15,344.9 | 11.6 | 0.1\% | 15,342.6 | 13.9 | 0.1\% | 15,340.3 | 16.2 | 0.1\% | 15,338.0 | 18.5 | 0.1\% |
| me7 | 324430 | 2019 | Below Normal | May | - | 17,354.2 | 17,38.0 | 16.2 | 0.1\% | 17,335.6 | 18.5 | 0.1\% | 17,329.9 | 24.3 | 0.1\% | 17,35.2 | 28.9 | 0.2\% | 17,320.6 | 33.6 | 0.2\% | 17,316.0 | 38.2 | 0.2\% |
| ME7 | 324430 | 2019 | Below Normal | June | - | 4,247.2 | 4,224.9 | 22.3 | 0.5\% | 4,221.6 | 25.6 | 0.6\% | 4,215.5 | 31.7 | 0.7\% | 4,209.5 | 37.7 | 0.9\% | 4,203.5 | 43.8 | 1.0\% | 4,197.5 | 49.8 | 1.2\% |
| me7 | 324430 | 2019 | Below Normal | July | - | 1,382.3 | 1,359.3 | 23.0 | 1.7\% | 1,356.0 | 26.3 | 1.9\% | 1,349.4 | 32.9 | 2.4\% | 1,342.9 | 39.4 | 2.8\% | 1,336.3 | 45.9 | 3.3\% | 1,329.9 | 52.4 | 3.8\% |
| ME7 | 324430 | 2019 | Below Normal | August | -- | 616.6 | 594.6 | 22.0 | 3.6\% | 591.4 | 25.2 | 4.1\% | 585.2 | 31.5 | 5.1\% | 578.9 | 37.7 | 6.1\% | 572.6 | 44.1 | 7.1\% | 566.3 | 50.3 | 8.2\% |
| ME7 | 324430 | 2019 | Below Normal | September | Used in Summary Table Analysis | 480.5 | 459.8 | 20.7 | 4.3\% | 456.9 | 23.7 | 4.9\% | 450.9 | 29.6 | 6.2\% | 444.9 | 35.6 | 7.4\% | 439.0 | 41.6 | 8.7\% | 433.0 | 47.6 | 9.9\% |
| ME7 | 324430 | 2020 | Dry | October | Used in Summary Table Analysis | 370.4 | 354.4 | 16.0 | 4.3\% | 352.1 | 18.3 | 4.9\% | 347.4 | 23.0 | 6.2\% | 342.7 | 27.7 | 7.5\% | 338.0 | 32.4 | 8.7\% | 333.3 | 37.1 | 10.0\% |
| me7 | 324430 | 2020 | Dry | November | Used in Summary Table Analysis | 344.2 | 331.4 | 12.7 | 3.7\% | 329.5 | 14.6 | 4.2\% | 325.8 | 18.4 | 5.3\% | 322.0 | 22.2 | 6.4\% | 318.2 | 25.9 | 7.5\% | 314.4 | 29.8 | 8.9\% |
| me7 | 324430 | 2020 | Dry | December | -- | 13,678.2 | 13,667.8 | 10.4 | 0.1\% | 13,665.5 | 12.7 | 0.1\% | 13,662.0 | 16.2 | 0.1\% | 13,658.6 | 19.7 | 0.1\% | 13,655.1 | 23.1 | 0.2\% | 13,651.6 | 26.6 | 0.2\% |
| me7 | 324430 | 2020 | Dry | January | - | 22,638.9 | 22,629.6 | 9.3 | 0.0\% | 22,627.3 | 11.6 | 0.1\% | 22,625.0 | 13.9 | 0.1\% | 22,621.5 | 17.4 | 0.1\% | 22,618.1 | 20.8 | 0.1\% | 22,614.6 | 24.3 | 0.1\% |
| me7 | 324430 | 2020 | Dry | February | - | 7,430.6 | 7,421.6 | 8.9 | 0.1\% | 7,420.3 | 10.3 | 0.1\% | 7,417.6 | 13.0 | 0.2\% | 7,414.8 | 15.7 | 0.2\% | 7,412.0 | 18.5 | 0.2\% | 7,409.4 | 21.2 | 0.3\% |
| me7 | 324430 | 2020 | Dry | March | - | 7,304.3 | 7,295.9 | 8.3 | 0.1\% | 7,294.7 | 9.6 | 0.1\% | 7,292.1 | 12.2 | 0.2\% | 7,289.6 | 14.7 | 0.2\% | 7,287.0 | 17.2 | 0.2\% | 7,284,5 | 19.8 | 0.3\% |
| ME7 | 324430 | 2020 | Dry | April | -- | 5,548.7 | 5,532.4 | 16.3 | 0.3\% | 5,530.0 | 18.8 | 0.3\% | 5,525.2 | 23.5 | 0.4\% | 5,520.5 | 28.2 | 0.5\% | 5,515.6 | 33.1 | 0.6\% | 5,510.9 | 37.8 | 0.7\% |
| ME7 | 324430 | 2020 | Dry | May | - | 7,460.5 | 7,440.7 | 19.8 | 0.3\% | 7,437.8 | 22.7 | 0.3\% | 7,432.1 | 28.5 | 0.4\% | 7,426.3 | 34.3 | 0.5\% | 7,420.5 | 40.0 | 0.5\% | 7,414.8 | 45.7 | 0.6\% |
| ME7 | 324430 | 2020 | Dry | June | - | 2,111.3 | 2,084.6 | 26.7 | 1.3\% | 2,080.9 | 30.4 | 1.4\% | 2,073.6 | 37.7 | 1.8\% | 2,066.3 | 45.0 | 2.1\% | 2,059.0 | 52.3 | 2.5\% | 2,051.7 | 59.6 | 2.8\% |
| me7 | 324430 | 2020 | Dry | July | - | 810.6 | 783.8 | 26.8 | 3.3\% | 780.0 | 30.7 | 3.8\% | 772.3 | 38.3 | 4.7\% | 764.6 | 46.0 | 5.7\% | 757.0 | 53.7 | 6.6\% | 749.3 | 61.3 | 7.6\% |
| me7 | 324430 | 2020 | Dry | August | -- | 414.1 | 387.5 | 26.6 | 6.4\% | 383.7 | 30.4 | 7.3\% | 376.1 | 38.0 | 9.2\% | 368.5 | 45.6 | 11.0\% | 360.9 | 53.3 | 12.9\% | 353.3 | 60.9 | 14.7\% |
| me7 | 324430 | 2020 | Dry | September | Used in Summary Table Analysis | 263.3 | 238.9 | 24.3 | 9.2\% | 235.5 | 27.8 | 10.6\% | 227.6 | 35.6 | 13.5\% | 220.4 | 42.9 | 16.3\% | 212.9 | 50.4 | 19.1\% | 205.5 | 57.8 | 21.9\% |
| me7 | 324331 | 2000 | Above Normal | October | Used in Summary Table Analysis | 840.9 | 823.9 | 16.9 | 2.0\% | 821.5 | 19.4 | 2.3\% | 816.6 | 24.2 | 2.9\% | 811.7 | 29.2 | 3.5\% | 806.7 | 34.2 | 4.1\% | 801.8 | 39.1 | 4.6\% |
| me7 | 324331 | 2000 | Above Normal | November | Used in Summary Table Analysis | 12,436.3 | 12,422.5 | 13.9 | 0.1\% | 12,421.3 | 15.0 | 0.1\% | 12,416.7 | 19.7 | 0.2\% | 12,413.2 | 23.1 | 0.2\% | 12,408.6 | 27.8 | 0.2\% | 12,405.1 | 31.3 | 0.3\% |
| ME7 | 324331 | 2000 | Above Normal | December | -- | 10,981.7 | 10,970.5 | 11.2 | 0.1\% | 10,968.8 | 13.0 | 0.1\% | 10,965.4 | 16.3 | 0.1\% | 10,962.0 | 19.7 | 0.2\% | 10,958.6 | 23.1 | 0.2\% | 10,955.1 | 26.6 | 0.2\% |
| ME7 | 324331 | 2000 | Above Normal | January | -- | 29,104.2 | 29,094,9 | 9.3 | 0.0\% | 29,092.6 | 11.6 | 0.0\% | 29,090.3 | 13.9 | 0.0\% | 29,086.8 | 17.4 | 0.1\% | 29,083.3 | 20.8 | 0.1\% | 29,081.0 | 23.1 | 0.1\% |
| ME7 | 324331 | 2000 | Above Normal | February | -- | 37,387.7 | 37,378.5 | 9.3 | 0.0\% | 37,377.3 | 10.4 | 0.0\% | 37,373.8 | 13.9 | 0.0\% | 37,371.5 | 16.2 | 0.0\% | 37,39.2 | 18.5 | 0.0\% | 37,365.7 | 22.0 | 0.1\% |
| me7 | 324331 | 2000 | Above Normal | March | - | 18,424.8 | 18,416.7 | 8.1 | 0.0\% | 18,415.5 | 9.3 | 0.1\% | 18,413.2 | 11.6 | 0.1\% | 18,410.9 | 13.9 | 0.1\% | 18,408.6 | 16.2 | 0.1\% | 18,406.3 | 18.5 | 0.1\% |
| me7 | 324331 | 2000 | Above Normal | April | - | 12,400.5 | 12,392.4 | 8.1 | 0.1\% | 12,391.2 | 9.3 | 0.1\% | 12,388.9 | 11.6 | 0.1\% | 12,386.6 | 13.9 | 0.1\% | 12,384.3 | 16.2 | 0.1\% | 12,381.9 | 18.5 | 0.1\% |
| me7 | 324331 | 2000 | Above Normal | May | - | 7,167.4 | 7,151.4 | 16.0 | 0.2\% | 7,149.1 | 18.3 | 0.3\% | 7,144.4 | 22.9 | 0.3\% | 7,139.8 | 27.5 | 0.4\% | 7,135.2 | 32.2 | 0.4\% | 7,130.4 | 36.9 | 0.5\% |
| me7 | 324331 | 2000 | Above Normal | June | - | 2,643.5 | 2,619.1 | 24.4 | 0.9\% | 2,615.5 | 28.0 | 1.1\% | 2,608.6 | 35.0 | 1.3\% | 2,601.5 | 42.0 | 1.6\% | 2,594.6 | 49.0 | 1.9\% | 2,587.5 | 56.0 | 2.1\% |
| me7 | 324331 | 2000 | Above Normal | July | - | 1,010.6 | 987.5 | 23.1 | 2.3\% | 984,2 | 26.4 | 2.5\% | 977.7 | 32.9 | 3.3\% | 971.1 | 39.5 | 3.9\% | 964.6 | 46.0 | 4.6\% | 958.0 | 52.6 | 5.2\% |
| ME7 | 324331 | 2000 | Above Normal | August | -- | 541.5 | 519.7 | 21.8 | 4.0\% | 516.6 | 25.0 | 4.5\% | 510.3 | 31.2 | 5.8\% | 504.1 | 37.4 | 6.9\% | 497.9 | 43.6 | 8.1\% | 491.6 | 49.9 | 9.2\% |
| me7 | 324331 | 2000 | Above Normal | September | Used in Summary Table Analysis | 313.1 | 293.3 | 19.7 | 6.3\% | 290.5 | 22.6 | 7.2\% | 284.8 | 28.3 | 9.0\% | 279.2 | 33.9 | 10.8\% | 273.5 | 39.6 | 12.6\% | 267.8 | 45.3 | 14.5\% |
| ME7 | 324331 | 2001 | Dry | October | Used in Summary Table Analysis | 3,894.4 | 3,877.8 | 16.7 | 0.4\% | 3,875.5 | 19.0 | 0.5\% | 3,870.6 | 23.8 | 0.6\% | 3,865.7 | 28.7 | 0.7\% | 3,861.0 | 33.4 | 0.9\% | 3,856.1 | 38.3 | 1.0\% |
| me7 | 324331 | 2001 | Dry | November | Used in Summary Table Analysis | 6,247.5 | 6,234.3 | 13.2 | 0.2\% | 6,232.3 | 15.2 | 0.2\% | 6,228.5 | 19.0 | 0.3\% | 6,224.5 | 22.9 | 0.4\% | 6,220.7 | 26.7 | 0.4\% | 6,216.7 | 30.8 | 0.5\% |
| ME7 | 324331 | 2001 | Dry | December |  | 8,962.4 | 8,951.0 | 11.3 | 0.1\% | 8,949.4 | 13.0 | 0.1\% | 8,946.1 | 16.3 | 0.2\% | 8,942.7 | 19.7 | 0.2\% | 8,939.4 | 23.0 | 0.3\% | 8,936.0 | 26.4 | 0.3\% |
| me7 | 324331 | 2001 | Dry | January | - | 13,020.8 | 13,011.6 | 9.3 | 0.1\% | 13,010.4 | 10.4 | 0.1\% | 13,006.9 | 13.9 | 0.1\% | 13,003.5 | 17.4 | 0.1\% | 13,001.2 | 19.7 | 0.2\% | 12,997.7 | 23.1 | 0.2\% |
| ME7 | 324331 | 2001 | Dry | February | -- | 17,619.2 | 17,611.1 | 8.1 | 0.0\% | 17,608.8 | 10.4 | 0.1\% | 17,606.5 | 12.7 | 0.1\% | 17,604.2 | 15.0 | 0.1\% | 17,601.9 | 17.4 | 0.1\% | 17,588.4 | 20.8 | 0.1\% |
| me7 | 324331 | 2001 | Dry | March |  | 12,375.0 | 12,366.9 | 8.1 | 0.1\% | 12,365.7 | 9.3 | 0.1\% | 12,363.4 | 11.6 | 0.1\% | 12,360.0 | 15.0 | 0.1\% | 12,357.6 | 17.4 | 0.1\% | 12,355.3 | 19.7 | 0.2\% |
| ME7 | 324331 | 2001 | Dry | April | -- | 11,053.9 | 11,037.4 | 16.6 | 0.1\% | 11,035.1 | 18.9 | 0.2\% | 11,030.3 | 23.6 | 0.2\% | 11,025.6 | 28.4 | 0.3\% | 11,020.8 | 33.1 | 0.3\% | 11,016.1 | 37.8 | 0.3\% |
| me7 | 324331 | 2001 | Dry | May | - | 2,644.1 | 2,624.3 | 19.8 | 0.7\% | 2,621.5 | 22.6 | 0.9\% | 2,615.9 | 28.2 | 1.1\% | 2,610.1 | 34.0 | 1.3\% | 2,604.4 | 39.7 | 1.5\% | 2,598.7 | 45.4 | 1.7\% |
| ME7 | 324331 | 2001 | Dry | June | - | 2,703.2 | 2,675.3 | 27.9 | 1.0\% | 2,671.3 | 31.9 | 1.2\% | 2,663.4 | 39.8 | 1.5\% | 2,655.6 | 47.7 | 1.8\% | 2,647.7 | 55.6 | 2.1\% | 2,639.8 | 63.4 | 2.3\% |
| me7 | 324331 | 2001 | Dry | July | - | 729.9 | 703.0 | 26.8 | 3.7\% | 699.2 | 30.6 | 4.2\% | 691.6 | 38.3 | 5.2\% | 684.0 | 45.9 | 6.3\% | 676.4 | 53.5 | 7.3\% | 668.7 | 61.2 | 8.4\% |
| ME7 | 324331 | 2001 | Dry | August | - | 188.1 | 161.9 | 26.3 | 14.0\% | 158.1 | 30.0 | 16.0\% | 150.6 | 37.5 | 19.9\% | 143.2 | 45.0 | 23.9\% | 135.7 | 52.4 | 27.9\% | 128.2 | 60.0 | 31.9\% |
| ME7 | 324331 | 2001 | Dry | September | Used in Summary Table Analysis | 111.9 | 87.9 | 24.0 | 21.4\% | 84.4 | 27.5 | 24.5\% | 77.6 | 34.3 | 30.7\% | 70.8 | 41.1 | 36.8\% | 63.9 | 48.0 | 42.9\% | 57.0 | 54.9 | 49.1\% |
| ME7 | 324331 | 2002 | Below Normal | October | Used in Summary Table Analysis | 283.1 | 262.5 | 20.5 | 7.2\% | 259.6 | 23.5 | 8.3\% | 253.6 | 29.4 | 10.4\% | 24.7 | 35.3 | 12.5\% | 241.9 | 41.2 | 14.6\% | 235.8 | 47.3 | 16.7\% |
| me7 | 324331 | 2002 | Below Normal | November | Used in Summary Table Analysis | 12,189,8 | 12,173.6 | 16.2 | 0.1\% | 12,171.3 | 18.5 | 0.2\% | 12,166.7 | 23.1 | 0.2\% | 12,162.0 | 27.8 | 0.2\% | 12,157.4 | 32.4 | 0.3\% | 12,151.6 | 38.2 | 0.3\% |
| ME7 | 324331 | 2002 | Below Normal | December | -- | 36,158.6 | 36,144.7 | 13.9 | 0.0\% | 36,141.2 | 17.4 | 0.0\% | 36,137.7 | 20.8 | 0.1\% | 36,133.1 | 25.5 | 0.1\% | 36,129.6 | 28.9 | 0.1\% | 36,125.0 | 33.6 | 0.1\% |
| me7 | 324331 | 2002 | Below Normal | January | - | 31,178.2 | 31,166.7 | 11.6 | 0.0\% | 31,164.4 | 13.9 | 0.0\% | 31,160.9 | 17.4 | 0.1\% | 31,157.4 | 20.8 | 0.1\% | 31,153.9 | 24.3 | 0.1\% | 31,150.5 | 27.8 | 0.1\% |
| ME7 | 324331 | 2002 | Below Normal | February | -- | 24,858.8 | 24,848.4 | 10.4 | 0.0\% | 24,847.2 | 11.6 | 0.0\% | 24,843.8 | 15.0 | 0.1\% | 24,840.3 | 18.5 | 0.1\% | 24,838.0 | 20.8 | 0.1\% | 24,834.5 | 24.3 | 0.1\% |
| me7 | 324331 | 2002 | Below Normal | March | - | 17,922.5 | 17,912.0 | 10.4 | 0.1\% | 17,910.9 | 11.6 | 0.1\% | 17,907.4 | 15.0 | 0.1\% | 17,905.1 | 17.4 | 0.1\% | 17,901.6 | 20.8 | 0.1\% | 17,899.3 | 23.1 | 0.1\% |
| ME7 | 324331 | 2002 | Below Normal | April | - | 9,983.0 | 9,966.2 | 16.8 | 0.2\% | 9,963.8 | 19.2 | 0.2\% | 9,958.9 | 24.1 | 0.2\% | 9,994.2 | 28.8 | 0.3\% | 9,949.3 | 33.7 | 0.3\% | 9,944.4 | 38.5 | 0.4\% |
| me7 | 324331 | 2002 | Below Normal | May | - | 3,344.1 | 3,324.2 | 19.9 | 0.6\% | 3,321.4 | 22.7 | 0.7\% | 3,315.6 | 28.5 | 0.9\% | 3,310.0 | 34.1 | 1.0\% | 3,304.2 | 39.9 | 1.2\% | 3,298.5 | 45.6 | 1.4\% |
| ME7 | 324331 | 2002 | Below Normal | June | - | 869.2 | 845.8 | 23.4 | 2.7\% | 842.4 | 26.7 | 3.1\% | 835.8 | 33.4 | 3.8\% | 829.2 | 40.0 | 4.6\% | 822.5 | 46.7 | 5.4\% | 815.8 | 53.3 | 6.1\% |
| me7 | 324331 | 2002 | Below Normal | July | - | 378.5 | 354.4 | 24.1 | 6.4\% | 350.9 | 27.5 | 7.3\% | 344.1 | 34.4 | 9.1\% | 337.2 | 41.3 | 10.9\% | 330.3 | 48.2 | 12.7\% | 323.4 | 55.1 | 14.6\% |
| me7 | 324331 | 2002 | Below Normal | August | -- | 245.1 | 222.2 | 22.9 | 9.3\% | 218.9 | 26.2 | 10.7\% | 212.3 | 32.8 | 13.4\% | 205.7 | 39.4 | 16.1\% | 199.2 | 45.9 | 18.7\% | 192.6 | 52.5 | 21.4\% |
| me7 | 324331 | 2002 | Below Normal | September | Used in Summary Table Analysis | 181.2 | 159.2 | 22.0 | 12.1\% | 156.1 | 25.1 | 13.9\% | 14.7 | 31.4 | 17.4\% | 143.4 | 37.8 | 20.9\% | 137.1 | 44.1 | 24.3\% | 130.7 | 50.5 | 27.8\% |
| ME7 | 324331 | 2003 | Wet | October | Used in Summary Table Analysis | 145.8 | 127.4 | 18.3 | 12.6\% | 124.8 | 21.0 | 14.4\% | 119.4 | 26.3 | 18.1\% | 114.1 | 31.7 | 21.7\% | 108.7 | 37.0 | 25.4\% | 103.4 | 42.4 | 29.1\% |
| ME7 | 324331 | 2003 | Wet | November | Used in Summary Table Analysis | 917.2 | 902.3 | 15.0 | 1.6\% | 900.0 | 17.2 | 1.9\% | 895.6 | 21.6 | 2.4\% | 891.2 | 26.0 | 2.8\% | ${ }^{886.8}$ | 30.4 | 3.3\% | 882.4 | 34.8 | 3.8\% |
| ME7 | 324331 | 2003 | Wet | December |  | 57,934.0 | 57,921.3 | 12.7 | 0.0\% | 57,919.0 | 15.0 | 0.0\% | 57,915.5 | 18.5 | 0.0\% | 57,910.9 | 23.1 | 0.0\% | 57,907.4 | 26.6 | 0.0\% | 57,902.8 | 31.3 | 0.1\% |
| ME7 | 324331 | 2003 | wet | January | - | 31,759.3 | 31,747.7 | 11.6 | 0.0\% | 31,746.5 | 12.7 | 0.0\% | 31,743.1 | 16.2 | 0.1\% | 31,739.6 | 19.7 | 0.1\% | 31,736.1 | 23.1 | 0.1\% | 31,732.6 | 26.6 | 0.1\% |
| ME7 | 324331 | 2003 | Wet | February | - | 20,476.9 | 20,466.4 | 10.4 | 0.1\% | 20,465.3 | 11.6 | 0.1\% | 20,461.8 | 15.0 | 0.1\% | 20,459.5 | 17.4 | 0.1\% | 20,456.0 | 20.8 | 0.1\% | 20,452.5 | 24.3 | 0.1\% |
| ME7 | 324331 | 2003 | Wet | March | - | 24,224.5 | 24,215.3 | 9.3 | 0.0\% | 24,214.1 | 10.4 | 0.0\% | 24,210.6 | 13.9 | 0.1\% | 24,208.3 | 16.2 | 0.1\% | 24,206.0 | 18.5 | 0.1\% | 24,202.5 | 22.0 | 0.1\% |
| me7 | 324331 | 2003 | Wet | April | -- | 4,377.3 | 43,368.1 | 9.3 | 0.0\% | 43,366.9 | 10.4 | 0.0\% | 43,364.6 | 12.7 | 0.0\% | 43,362.3 | 15.0 | 0.0\% | 43,358.8 | 18.5 | 0.0\% | 43,356.5 | 20.8 | 0.0\% |
| ME7 | 324331 | 2003 | Wet | May | -- | 12,287.0 | 12,269.7 | 17.4 | 0.1\% | 12,267.4 | 19.7 | 0.2\% | 12,262.7 | 24.3 | 0.2\% | 12,258.1 | 28.9 | 0.2\% | 12,253.5 | 33.6 | 0.3\% | 12,248.8 | 38.2 | 0.3\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

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onthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  |  | Water Year Water Year Type |  | Month |  | Flow Pumping (cfs) | 75\% Pumping Increase |  |  | 100\% Pumping |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interest | (Row, Column, <br> Surface Water Reach) |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \\ \hline \end{gathered}$ | Percent Difference Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference <br> Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| me7 | 324331 | 2014 | Critical |  | February | -- | 15,872.7 | 15,863.4 | 9.3 | 0.1\% | 15,862.3 | 10.4 | 0.1\% | 15,860.0 | 12.7 | 0.1\% | 15,856.5 | 16.2 | 0.1\% | 15,854.2 | 18.5 | 0.1\% | 15,850.7 | 22.0 | 0.1\% |
| ME7 | 324331 | 2014 | Critical | March | - | 31,637.7 | 31,629.6 | 8.1 | 0.0\% | 31,628.5 | 9.3 | 0.0\% | 31,625.0 | 12.7 | 0.0\% | 31,62.7 | 15.0 | 0.0\% | 31,620.4 | 17.4 | 0.1\% | 31,618.1 | 19.7 | 0.1\% |
| ME7 | 324331 | 2014 | Critical | April | - | 13,042.8 | 13,026.6 | 16.2 | 0.1\% | 13,024.3 | 18.5 | 0.1\% | 13,019.7 | ${ }^{23.1}$ | ${ }^{0.2 \%}$ | 13,015.0 | 27.8 | 0.2\% | 13,009.3 | ${ }^{33.6}$ | 0.3\% | 13,004.6 | 38.2 | 0.3\% |
| me7 | 324331 | 2014 | Critical | May | - | 5,224.1 | 5,203.9 | 20.1 | 0.4\% | 5,201.0 | 23.0 | 0.4\% | 5,195.3 | 28.8 | 0.6\% | 5,189.5 | 34.6 | 0.7\% | 5,183.7 | 40.4 | 0.8\% | 5,177.9 | 46.2 | 0.9\% |
| ME7 | 324331 | 2014 | Critical | June | - | 1,216.3 | 1,188.0 | 28.4 | 2.3\% | 1,184.0 | 32.3 | 2.7\% | 1,175.9 | 40.4 | 3.3\% | 1,167.9 | 48.4 | 4.0\% | 1,160.0 | 56.4 | 4.6\% | 1,152.0 | 64.3 | 5.3\% |
| ME7 | 324331 | 2014 | Critical | July | - | 560.2 | 533.4 | 26.8 | 4.8\% | 529.6 | 30.6 | 5.5\% | 521.9 | 38.3 | 6.8\% | 514.3 | 45.9 | 8.2\% | 506.7 | 53.6 | 9.6\% | 499.0 | 61.2 | 10.9\% |
| ME7 | 324331 | 2014 | Critical | August | -- | 364.8 | 339.0 | 25.8 | 7.1\% | 335.3 | 29.5 | 8.1\% | 327.9 | 36.9 | 10.1\% | 320.5 | 44.3 | 12.1\% | 313.1 | 51.7 | 14.2\% | 305.8 | 59.1 | 16.2\% |
| ME7 | 324331 | 2014 | Critical | September | Used in Summary Table Analysis | 2,613.5 | 2,588.0 | 25.6 | 1.0\% | 2,584.3 | 29.3 | 1.1\% | 2,577.0 | 36.6 | 1.4\% | 2,569.6 | 44.0 | 1.7\% | 2,562.3 | 51.3 | 2.0\% | 2,554.9 | 58.7 | 2.2\% |
| me7 | 324331 | 2015 | Dry | October | Used in Summary Table Analysis | 11,495.0 | 11,474.4 | 20.6 | 0.2\% | 11,471.5 | 23.5 | 0.2\% | 11,465.9 | 29.2 | 0.3\% | 11,459.8 | 35.2 | 0.3\% | 11,454.2 | 40.9 | 0.4\% | 11,448.0 | 47.0 | 0.4\% |
| me7 | 324331 | 2015 | Dry | November | Used in Summary Table Analysis | 9,176.4 | 9,161.0 | 15.4 | 0.2\% | 9,158.8 | 17.6 | 0.2\% | 9,154.3 | 22.1 | 0.2\% | 9,149.9 | 26.5 | 0.3\% | 9,145.4 | 31.0 | 0.3\% | 9,140.9 | 35.5 | 0.4\% |
| ME7 | 324331 | 2015 | Dry | December |  | 33,120.4 | 33,107.6 | 12.7 | 0.0\% | 33,105.3 | 15.0 | 0.0\% | 33,101.9 | 18.5 | 0.1\% | 33,098.4 | 22.0 | 0.1\% | 33,094.9 | 25.5 | 0.1\% | 33,090.3 | 30.1 | 0.1\% |
| ME7 | 324331 | 2015 | Dry | January | -- | 14,656.3 | 14,644.7 | 11.6 | 0.1\% | 14,642.4 | 13.9 | 0.1\% | 14,640.0 | 16.2 | 0.1\% | 14,636.6 | 19.7 | 0.1\% | 14,633.1 | 23.1 | 0.2\% | 14,629.6 | 26.6 | 0.2\% |
| ME7 | 324331 | 2015 | Dry | February | -- | 27,43.3 | 27,425.9 | 10.4 | 0.0\% | 27,424.8 | 11.6 | 0.0\% | 27,421.3 | 15.0 | 0.1\% | 27,419.0 | 17.4 | 0.1\% | 27,415.5 | 20.8 | 0.1\% | 27,413.2 | 23.1 | 0.1\% |
| me7 | 324331 | 2015 | Dry | March | - | 11,620.4 | 11,612.3 | 8.1 | 0.1\% | 11,610.0 | 10.4 | 0.1\% | 11,607.6 | 12.7 | 0.1\% | 11,605.3 | 15.0 | 0.1\% | 11,603.0 | 17.4 | 0.1\% | 11,599.5 | 20.8 | 0.2\% |
| me7 | 324331 | 2015 | Dry | April | - | 8,519.7 | 8,503.1 | 16.6 | 0.2\% | 8,500.7 | 19.0 | 0.2\% | 8,495.9 | 23.7 | 0.3\% | 8,491.2 | 28.5 | 0.3\% | 8,486.3 | 33.3 | 0.4\% | 8,481.6 | 38.1 | 0.4\% |
| ME7 | 324331 | 2015 | Dry | may | - | 1,517.6 | 1,497.7 | 19.9 | 1.3\% | 1,494.9 | 22.7 | 1.5\% | 1,489.2 | 28.4 | 1.9\% | 1,483.4 | 34.1 | 2.2\% | 1,477.8 | 39.8 | 2.6\% | 1,472.0 | 45.6 | 3.0\% |
| ME7 | 324331 | 2015 | Dry | June | - | 665.4 | 638.9 | 26.6 | 4.0\% | 635.1 | 30.3 | 4.6\% | 627.6 | 37.8 | 5.7\% | 620.0 | 45.4 | 6.8\% | 612.5 | 52.9 | 7.9\% | 605.1 | 60.3 | 9.1\% |
| ME7 | 324331 | 2015 | Dry | July | - | 282.3 | 255.7 | 26.6 | 9.4\% | 251.9 | 30.4 | 10.8\% | 244.3 | 38.0 | 13.5\% | 236.6 | 45.7 | 16.2\% | 228.9 | 53.4 | 18.9\% | 221.4 | 60.9 | 21.6\% |
| me7 | 324331 | 2015 | Dry | August | -- | 182.4 | 156.6 | 25.8 | 14.2\% | 152.8 | 29.6 | 16.2\% | 145.4 | 37.0 | 20.3\% | 137.9 | 44.6 | 24.4\% | 130.4 | 52.1 | 28.5\% | 122.9 | 59.5 | 32.6\% |
| ME7 | 324331 | 2015 | Dry | September | Used in Summary Table Analysis | 135.2 | 111.7 | 23.4 | 17.3\% | 108.1 | 27.1 | 20.0\% | 100.8 | 34.4 | 25.4\% | 93.5 | 41.6 | 30.8\% | 86.1 | 49.1 | 36.3\% | 78.8 | 56.4 | 41.7\% |
| ME7 | 324331 | 2016 | Above Normal | October | Used in Summary Table Analysis | 99.8 | 79.2 | 20.6 | 20.7\% | 75.7 | 24.2 | 24.2\% | 69.8 | 30.1 | 30.1\% | 63.5 | 36.3 | 36.4\% | 57.4 | 42.4 | 42.5\% | 51.5 | 48.3 | 48.4\% |
| ME7 | 324331 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,987.8 | 3,972.5 | 15.4 | 0.4\% | 3,969.7 | 18.2 | 0.5\% | 3,965.0 | 22.8 | 0.6\% | 3,960.1 | 27.8 | 0.7\% | 3,955.1 | 32.8 | 0.8\% | 3,950.1 | 37.7 | 0.9\% |
| ME7 | 324331 | 2016 | Above Normal | December | - | 37,210.6 | 37,196.8 | 13.9 | 0.0\% | 37,194.4 | 16.2 | 0.0\% | 37,191.0 | 19.7 | 0.1\% | 37,186,3 | 24.3 | 0.1\% | 37,181.7 | 28.9 | 0.1\% | 37,177.1 | 33.6 | 0.1\% |
| ME7 | 324331 | 2016 | Above Normal | January | -- | 57,299.4 | 57,917.8 | 11.6 | 0.0\% | 57,915.5 | 13.9 | 0.0\% | 57,912.0 | 17.4 | 0.0\% | 57,908.6 | 20.8 | 0.0\% | 57,903.9 | 25.5 | 0.0\% | 57,900.5 | 28.9 | 0.0\% |
| ME7 | 324331 | 2016 | Above Normal | February | -- | 24,369.2 | 24,358.8 | 10.4 | 0.0\% | 24,357.6 | 11.6 | 0.0\% | 24,354.2 | 15.0 | 0.1\% | 24,350.7 | 18.5 | 0.1\% | 24,348.4 | 20.8 | 0.1\% | 24,344.9 | 24.3 | 0.1\% |
| ME7 | 324331 | 2016 | Above Normal | March | -- | 42,066.0 | 42,056.7 | 9.3 | 0.0\% | 42,055.6 | 10.4 | 0.0\% | 42,053.2 | 12.7 | 0.0\% | 42,049.8 | 16.2 | 0.0\% | 42,046.3 | 19.7 | 0.0\% | 42,044.0 | 22.0 | 0.1\% |
| ME7 | 324331 | 2016 | Above Normal | April | -- | 18,619.2 | 18,610.0 | 9.3 | 0.0\% | 18,608.8 | 10.4 | 0.1\% | 18,606.5 | 12.7 | 0.1\% | 18,604.2 | 15.0 | 0.1\% | 18,600.7 | 18.5 | 0.1\% | 18,598.4 | 20.8 | 0.1\% |
| ME7 | 324331 | 2016 | Above Normal | May | -- | 5,247.6 | 5,237.2 | 10.4 | 0.2\% | 5,235.5 | 12.0 | 0.2\% | 5,232.5 | 15.0 | 0.3\% | 5,229.5 | 18.1 | 0.3\% | 5,226.3 | 21.3 | ${ }^{0.4 \%}$ | 5,223.1 | 24.4 <br> 4.4 <br> 1 | ${ }^{0.5 \%}$ |
| ME7 | 324331 | 2016 | Above Normal | June | -- | 1,526.6 | 1,506.5 | 20.1 | 1.3\% | 1,503.5 | 23.1 | 1.5\% | 1,497.8 | 28.8 | 1.9\% | 1,492.0 | 34.6 | 2.3\% | 1,486.1 | 40.5 | 2.7\% | 1,480.3 | 46.3 | 3.0\% |
| ME7 | 324331 | 2016 | Above Normal | July | -- | 841.8 | 818.8 | 23.0 | 2.7\% | 815.4 | 26.4 | 3.1\% | 808.9 | 32.9 | 3.9\% | 802.3 | 39.5 | 4.7\% | 795.6 | 46.1 | 5.5\% | 789.1 | 52.7 | 6.3\% |
| ME7 | 324331 | 2016 | Above Normal | August | -- | 511.0 | 488.2 | 22.9 | 4.5\% | ${ }^{484.8}$ | 26.2 | 5.1\% | 478.3 | 32.8 | 6.4\% | 471.7 | 39.4 | 7.7\% | 465.0 | 46.0 | 9.0\% | 458.4 | 52.6 | 10.3\% |
| me7 | 324331 | 2016 | Above Normal | September | Used in Summary Table Analysis | 346.6 | 325.8 | 20.8 | 6.0\% | 322.2 | 24.4 | 7.0\% | 316.0 | 30.6 | 8.8\% | 309.6 | 37.0 | 10.7\% | 303.2 | 43.3 | 12.5\% | 296.9 | 49.7 | 14.3\% |
| ME7 | 324331 | 2017 | Wet | October | Used in Summary Table Analysis | 18,520.8 | 18,502.3 | 18.5 | 0.1\% | 18,500.0 | 20.8 | 0.1\% | 18,495.4 | 25.5 | 0.1\% | 18,489.6 | 31.3 | 0.2\% | 18,483.8 | 37.0 | 0.2\% | 18,479.2 | 41.7 | 0.2\% |
| ME7 | 324331 | 2017 | Wet | November | Used in Summary Table Analysis | 19,079.9 | 19,067.1 | 12.7 | 0.1\% | 19,064.8 | 15.0 | 0.1\% | 19,060.2 | 19.7 | 0.1\% | 19,056.7 | 23.1 | 0.1\% | 19,052.1 | 27.8 | 0.1\% | 19,048.6 | 31.3 | 0.2\% |
| me7 | 324331 | 2017 | Wet | December |  | 24,508.1 | 24,496.5 | 11.6 | 0.0\% | 24,495.4 | 12.7 | 0.1\% | 24,491.9 | 16.2 | 0.1\% | 24,488.4 | 19.7 | 0.1\% | 24,485.0 | 23.1 | 0.1\% | 24,481.5 | 26.6 | 0.1\% |
| ME7 | 324331 | 2017 | Wet | January | - | 108,054.4 | 108,044.0 | 10.4 | 0.0\% | 108,041.7 | 12.7 | 0.0\% | 108,039.4 | 15.0 | 0.0\% | 108,035.9 | 18.5 | 0.0\% | 108,032.4 | 22.0 | 0.0\% | 108,030.1 | 24.3 | 0.0\% |
| me7 | 324331 | 2017 | Wet | February | -- | 82,509.3 | 82,500.0 | 9.3 | 0.0\% | 82,498.8 | 10.4 | 0.0\% | 82,495.4 | 13.9 | 0.0\% | 82,993.1 | 16.2 | 0.0\% | 82,490.7 | 18.5 | 0.0\% | 82,487.3 | 22.0 | 0.0\% |
| ME7 | 324331 | 2017 | Wet | March | - | 27,486.1 | 27,476.9 | 9.3 | 0.0\% | 27,475.7 | 10.4 | 0.0\% | 27,473.4 | 12.7 | 0.0\% | 27,471.1 | 15.0 | 0.1\% | 27,467.6 | 18.5 | 0.1\% | 27,465.3 | 20.8 | 0.1\% |
| ME7 | 324331 | 2017 | Wet | April | - | 23,165.5 | 23,158.6 | 6.9 | 0.0\% | 23,157.4 | 8.1 | 0.0\% | 23,155.1 | 10.4 | 0.0\% | 23,152.8 | 12.7 | 0.1\% | 23,150.5 | 15.0 | 0.1\% | 23,148.1 | 17.4 | 0.1\% |
| ME7 | 324331 | 2017 | Wet | May | - | 6,284,7 | 6,274.3 | 10.4 | 0.2\% | 6,272.8 | 11.9 | 0.2\% | 6,269.8 | 14.9 | 0.2\% | 6,266.7 | 18.1 | 0.3\% | 6,263.7 | 21.1 | 0.3\% | 6,260.5 | 24.2 | 0.4\% |
| ME7 | 324331 | 2017 | Wet | June | - | 2,151.2 | 2,130.7 | 20.5 | 1.0\% | 2,127.7 | 23.5 | 1.1\% | 2,121.9 | 29.3 | 1.4\% | 2,116.0 | 35.2 | 1.6\% | 2,110.1 | 41.1 | 1.9\% | 2,104.3 | 46.9 | 2.2\% |
| ME7 | 324331 | 2017 | Wet | July | -- | 958.0 | 934.9 | 23.1 | 2.4\% | 931.6 | 26.4 | 2.8\% | 925.1 | 32.9 | 3.4\% | 918.5 | 39.5 | 4.1\% | 911.9 | 46.0 | 4.8\% | 905.4 | 52.6 | 5.5\% |
| ME7 | 324331 | 2017 | Wet | August | -- | 530.1 | 507.3 | 22.7 | 4.3\% | 504.1 | 26.0 | 4.9\% | 497.6 | 32.5 | 6.1\% | 491.1 | 39.0 | 7.4\% | 484.6 | 45.5 | 8.6\% | 478.1 | 51.9 | 9.8\% |
| ME7 | 324331 | 2017 | Wet | September | Used in Summary Table Analysis | 343.4 | 322.1 | 21.3 | 6.2\% | 319.1 | 24.3 | 7.1\% | 313.0 | 30.4 | 8.9\% | 306.8 | 36.6 | 10.6\% | 300.7 | 42.7 | 12.4\% | 294.6 | 48.8 | 14.2\% |
| ME7 | 324331 | 2018 | Above Normal | October | Used in Summary Table Analysis | 295.9 | 278.7 | 17.2 | 5.8\% | 276.2 | 19.7 | 6.7\% | 271.2 | 24.7 | 8.4\% | 266.2 | 29.8 | 10.1\% | 261.2 | 34.8 | 11.8\% | 256.2 | 39.8 | 13.4\% |
| ME7 | 324331 | 2018 | Above Normal | November | Used in Summary Table Analysis | 11,056.9 | 11,043.3 | 13.7 | 0.1\% | 11,041.3 | 15.6 | 0.1\% | 11,037.3 | 19.7 | 0.2\% | 11,033.2 | 23.7 | 0.2\% | 11,029.1 | 27.9 | 0.3\% | 11,025.0 | 31.9 | 0.3\% |
| ME7 | 324331 | 2018 | Above Normal | December | -- | 5,475.7 | 5,464.2 | 11.5 | 0.2\% | 5,462.5 | 13.2 | 0.2\% | 5,459.1 | 16.6 | 0.3\% | 5,455.8 | 19.9 | 0.4\% | 5,452.3 | 23.4 | 0.4\% | 5,448.8 | 26.9 | 0.5\% |
| ME7 | 324331 | 2018 | Above Normal | January | - | 18,231.5 | 18,221.1 | 10.4 | 0.1\% | 18,218.8 | 12.7 | 0.1\% | 18,216.4 | 15.0 | 0.1\% | 18,213.0 | 18.5 | 0.1\% | 18,209.5 | 22.0 | 0.1\% | 18,207.2 | 24.3 | 0.1\% |
| ME7 | 324331 | 2018 | Above Normal | February | - | 7,623.3 | 7,614.5 | 8.8 | 0.1\% | 7,613.1 | 10.2 | 0.1\% | 7,610.5 | 12.7 | 0.2\% | 7,607.9 | 15.4 | 0.2\% | 7,605.1 | 18.2 | 0.2\% | 7,602.4 | 20.8 | 0.3\% |
| ME7 | 324331 32431 | 2018 | Above Normal | March | $\cdots$ | $20,991.9$ 325417 | $20,983.8$ 325336 | 8.1 81 | ${ }^{0.0 \%}$ | $20,982.6$ 325324 | 9.3 9 | ${ }^{0.0 \%}$ | $20,980.3$ 325313 | 11.6 <br> 10.4 <br> 1.5 | ${ }^{0.1 \%}$ | $20,978.0$ 325288 | 13.9 | ${ }^{0.1 \%}$ | $20,974.5$ <br> 322526 | 17.4 150 | 0.1\% | 20,972.2 | 19.7 <br> 17.4 | ${ }^{0.1 \%}$ |
| ME7 | 324331 | 2018 | Above Normal | April | - | 32,541.7 | 32,533.6 | 8.1 | 0.0\% | 32,532.4 | 9.3 | 0.0\% | 32,531.3 | 10.4 | 0.0\% | 32,528.9 | 12.7 | 0.0\% | 32,526.6 | 15.0 | 0.0\% | 32,524.3 | 17.4 | 0.1\% |
| ME7 | 324331 | 2018 | Above Normal | May | - | 7,003.6 | 6,987.8 | 15.7 | 0.2\% | 6,985.6 | 17.9 | 0.3\% | 6,981.1 | 22.5 | 0.3\% | 6,976.6 | 27.0 | 0.4\% | 6,972.1 | 31.5 | 0.4\% | 6,967.9 | 35.6 | 0.5\% |
| ME7 | 324331 | 2018 | Above Normal | June | - | 1,932.3 | 1,911.1 | 21.2 | 1.1\% | 1,908.1 | 24.2 | 1.3\% | 1,902.1 | 30.2 33.2 | 1.6\% | 1,896.2 | 36.1 | ${ }^{1.9 \%}$ | $1,850.0$ | 42.2 | ${ }_{5}^{2.2 \%}$ | $1,884.1$ 784.4 | 48.1 53.3 | 2.5\% |
| ME7 | 324331 | 2018 | Above Normal | July |  | 801.7 | 778.4 | 23.3 | 2.9\% | 775.0 | 26.7 | 3.3\% | 768.4 | 33.3 | 4.2\% | 761.7 | 40.0 | 5.0\% | 755.0 | 46.7 | 5.8\% | 788.4 | 53.3 | 6.7\% $109 \%$ |
| ME7 | 324331 | 2018 | Above Normal | August | -- | 463.0 | 441.0 | 22.0 | 4.7\% | 437.8 | 25.2 | 5.4\% | 431.6 | 31.4 | 6.8\% | 425.2 | 37.7 | 8.2\% | 418.9 | 44.1 | 9.5\% | ${ }^{412.6}$ | 50.4 | 10.9\% |
| ME7 | 324331 | 2018 | Above Normal | September | Used in Summary Table Analysis | 319.2 | 297.9 | 21.3 | 6.7\% | 294.8 | 24.4 | 7.6\% | 288.7 | 30.5 | 9.6\% | 282.6 | 36.7 | 11.5\% | 276.4 | ${ }^{42.8}$ | 13.4\% | 270.2 | 49.0 | 15.3\% |
| me7 | 324331 | 2019 | Below Normal | October | Used in Summary Table Analysis | 224.2 | 207.2 | 17.1 | 7.6\% | 204.7 | 19.5 | 8.7\% | 199.8 | 24.4 | 10.9\% | 194.7 | 29.5 | 13.2\% | 189.8 | 34.4 | 15.3\% | 184.9 | 39.3 | 17.5\% |
| ME7 | 324331 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,800.2 | ${ }^{6,786.5}$ | 13.8 | 0.2\% | 6,784.4 | 15.9 | 0.2\% | ${ }^{6,780.3}$ | 19.9 | 0.3\% | $\begin{array}{r}6,776.2 \\ \hline 149398\end{array}$ | 24.1 | 0.4\% | ${ }^{6} 67772.1$ | 28.1 231 | $0.4 \%$ $0.2 \%$ | 6,767.9 14.932 .9 | 32.3 26.6 | 0.5\% $0.2 \%$ |
| ME7 | 324331 | 2019 | Below Normal | December |  | 14,959.5 | 14,947.9 | 11.6 | 0.1\% | 14,946.8 | 12.7 | 0.1\% | 14,943.3 | 16.2 | 0.1\% | 14,939.8 | 19.7 | 0.1\% | 14,936.3 | 23.1 | 0.2\% | 14,932.9 | 26.6 | 0.2\% |
| ME7 | 324331 | 2019 | Below Normal | January | - | $35,809.0$ <br> 12056 | $35,798.6$ 123 | 10.4 | 0.0\% | 35,796.3 | 12.7 | 0.0\% | $35,794.0$ 142534. | 15.0 | 0.0\% | $35,790.5$ 14253, | 18.5 | 0.1\% | $35,787.0$ 142534.7 | 22.0 11.6 | 0.1\% $0.0 \%$ | 35.784 .7 142523.1 | 24.3 23.1 | 0.1\% $0.0 \%$ 0.0 |
| ME 7 MET | 324331 | 2019 | Below Normal | February | - | 142,546.3 | 142,534.7 | 11.6 | 0.0\% | 142,534.7 | 11.6 | 0.0\% | 142,534.7 | 11.6 | 0.0\% | 142,534.7 | 11.6 | 0.0\% | 142,534.7 | 11.6 | 0.0\% | 142,523.1 | ${ }^{23.1}$ | - $0.0 \%$ |
| ME7 | 324331 | 2019 | Below Normal | April | -- | 15,364.6 | 15,356.5 | ${ }_{8.1}^{8.1}$ | 0.1\% | 15,355.3 | ${ }_{9.3}$ | 0.1\% | 15,353.0 | 11.6 | 0.1\% | 15,350.7 | 13.9 | 0.1\% | 15,388.4 | 16.2 | 0.1\% | 15,346.1 | 18.5 | 0.1\% |
| ME7 | 324331 | 2019 | Below Normal | may | -- | 17,390.0 | 17,373.8 | 16.2 | 0.1\% | 17,371.5 | 18.5 | 0.1\% | 17,36.7 | 24.3 | 0.1\% | 17,361.1 | 28.9 | 0.2\% | 17,356.5 | 33.6 | 0.2\% | 17,351.9 | 38.2 | 0.2\% |

Change in Monthly Average Stream Flow Due to Groundwater Extraction
At hufface Watetr Depeletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

|  | Model Cell <br> (Row, Column, <br> Surface Water <br> Reach) | Water Year Water Year Type |  |  |  |  | 75\% Pumping Increase |  |  | 100\% Pumping Increase |  |  | 150\% Pumping Increase |  |  | 200\% Pumping Increase |  |  | 250\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Water Depletion Area Area of Interes |  |  |  | Month | Note | Without <br> Pumping <br> (cfs) | Flow (ffs) | $\begin{gathered} \text { Fifow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Fiffo } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cts) | Flow Difference (cfs) | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Fiffow } \\ \text { Diference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{aligned} & \text { Fow } \\ & \text { Difference } \end{aligned}$ (cfs) | Percent Difference | Flow (cfs) | Flow Difference (cfs) | Percent Difference |
| me7 | 324331 | 2019 | Below Normal | June | - | 4,248.8 | 4,226.0 | 22.8 | 0.5\% | 4,222.8 | 26.0 | 0.6\% | 4,216.6 | 32.3 | 0.8\% | 4,210.4 | 38.4 | 0.9\% | 4,204.3 | 44.6 | 1.0\% | 4,198.1 | 50.7 | 1.2\% |
| ME7 | 324331 | 2019 | Below Normal | July | - | 1,385.2 | 1,361.8 | 23.4 | 1.7\% | 1,358.4 | 26.7 | 1.9\% | 1,351.7 | 33.4 | 2.4\% | 1,345.0 | 40.2 | 2.9\% | 1,338.3 | 46.9 | 3.4\% | 1,331.7 | 53.5 | 3.9\% |
| ME7 7 | 324331 | 2019 | Below Normal | August | -- | 619.4 | 596.9 | 22.5 | 3.6\% | 593.7 | 25.7 | 4.2\% | 587.3 | ${ }^{32.1}$ | 5.2\% | 580.9 | 38.5 | ${ }^{6.2 \%}$ | 574.4 | 45.0 | 7.3\% | 568.0 | 51.4 | 8.3\% |
| me7 | 324331 | 2019 | Below Normal | September | Used in Summary Table Analysis | 483.0 | 461.9 | 21.1 | 4.4\% | 458.8 | 24.2 | 5.0\% | 452.7 | 30.3 | 6.3\% | 446.6 | 36.4 | 7.5\% | 440.5 | 42.5 | 8.8\% | 434.4 | 48.6 | 10.1\% |
| ME7 | 324331 | 2020 | Dry | October | Used in Summary Table Analysis | 372.6 | 356.2 | 16.4 | 4.4\% | 353.8 | 18.8 | 5.0\% | 349.0 | 23.6 | 6.3\% | 344.2 | 28.4 | 7.6\% | 339.4 | 33.2 | 8.9\% | 334.5 | 38.0 | 10.2\% |
| me7 | 324331 | 2020 | Dry | November | Used in Summary Table Analysis | 347.2 | 334.1 | 13.1 | 3.8\% | 332.2 | 15.0 | 4.3\% | 328.3 | 18.9 | 5.4\% | 324.4 | 22.7 | 6.6\% | 320.5 | 26.6 | 7.7\% | 316.6 | 30.6 | 8.8\% |
| ME7 | 324331 | 2020 | Dry | December | - | 13,713.0 | 13,701.4 | 11.6 | 0.1\% | 13,699.1 | 13.9 | 0.1\% | 13,695.6 | 17.4 | 0.1\% | 13,692.1 | 20.8 | 0.2\% | 13,688.7 | 24.3 | 0.2\% | 13,685.2 | 27.8 | 0.2\% |
| ME7 | 324331 | 2020 | Dry | January | - | 22,666.7 | 22,656.3 | 10.4 | 0.0\% | 22,655.1 | 11.6 | 0.1\% | 22,651.6 | 15.0 | 0.1\% | 22,648.1 | 18.5 | 0.1\% | 22,644.7 | 22.0 | 0.1\% | 22,642.4 | 24. | 0.1\% |
| ME7 | 324331 | 2020 | Dry | February | - | 7,433.1 | 7,424.1 | 9.0 | 0.1\% | 7,422.7 | 10.4 | 0.1\% | 7,419.9 | 13.2 | 0.2\% | 7,417.1 | 16.0 | 0.2\% | 7,414.4 | 18.8 | 0.3\% | 7,411.6 | 21.5 | 0.3\% |
| ME7 | 324331 | 2020 | Dry | March | - | 7,310.5 | 7,302.1 | 8.4 | 0.1\% | 7,300.8 | 9.7 | 0.1\% | 7,298.3 | 12.3 | 0.2\% | 7,295.7 | 14.8 | 0.2\% | 7,293.1 | 17.5 | 0.2\% | 7,290.5 | 20.0 | 0.3\% |
| ME7 | 324331 | 2020 | Dry | April | - | 5,555.4 | 5,538.9 | 16.6 | 0.3\% | 5,536.6 | 18.9 | 0.3\% | 5,531.7 | 23.7 | 0.4\% | 5,526.9 | 28.6 | 0.5\% | 5,522.1 | 33.3 | 0.6\% | 5,517.2 | 38.2 | 0.7\% |
| ME7 | 324331 | 2020 | Dry | May | - | 7,468.8 | 7,448.7 | 20.0 | 0.3\% | 7,445.7 | 23.0 | 0.3\% | 7,439.9 | 28.8 | 0.4\% | 7,434.0 | 34.7 | 0.5\% | 7,428.2 | 40.5 | 0.5\% | 7,422.5 | 46.3 | 0.6\% |
| ME7 | 324331 | 2020 | Dry | June | - | 2,112.8 | 2,085.6 | 27.2 | 1.3\% | 2,081.8 | 31.0 | 1.5\% | 2,074.4 | 38.4 | 1.8\% | 2,066.9 | 45.9 | 2.2\% | 2,059.5 | 53.4 | 2.5\% | 2,052.0 | 60.9 | 2.9\% |
| ME7 | 324331 | 2020 | Dry | July | - | 812.8 | 785.4 | 27.4 | 3.4\% | 781.5 | 31.3 | 3.9\% | 773.6 | 39.2 | 4.8\% | 765.8 | 47.0 | 5.8\% | 758.0 | 54.9 | 6.7\% | 750.1 | 62.7 | 7.7\% |
| ME7 | 324331 | 2020 | Dry | August | -- | 416.3 | 389.1 | 27.2 | 6.5\% | 385.2 | 31.1 | 7.5\% | 377.5 | 38.9 | 9.3\% | 369.7 | 46.7 | 11.2\% | 361.9 | 54.5 | 13.1\% | 354.1 | 62.2 | 14.9\% |
| ME7 | 324331 | 2020 | Dry | September | Used in Summary Table Analysis | 265.4 | 240.5 | 24.9 | 9.4\% | 236.9 | 28.5 | 10.7\% | 228.9 | 36.5 | 13.\% | 221.4 | 44.0 | 16.6\% | 213.8 | 51.6 | 19.5\% | 206.2 | 59.2 | 22.3\% |


| Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| :---: | :---: | :---: |
| 372.9 | 7.6 | 2.0\% |
| 8,145.3 | 6.0 | 0.1\% |
| 4,765.2 | 5.0 | 0.1\% |
| 14,956.0 | 3.5 | 0.0\% |
| 16,280.1 | 3.5 | 0.0\% |
| 5,730.6 | 3.0 | 0.1\% |
| 5,361.8 | 2.4 | 0.0\% |
| 2,738.3 | 13.5 | 0.5\% |
| 586.1 | 16.7 | 2.8\% |
| 60.0 | 8.6 | 12.5\% |
| 47.0 | 8.2 | 14.9\% |
| 41.6 | 7.3 | 15.0\% |
| 2,763.7 | 8.0 | 0.3\% |
| 3,302.9 | 6.0 | 0.2\% |
| 4,919.0 | 5.0 | 0.1\% |
| 6,503.9 | 4.3 | 0.1\% |
| 8,593.9 | 3.6 | 0.0\% |
| 5,144.4 | 3.0 | 0.1\% |
| 5,070.3 | 15.5 | 0.3\% |
| 590.6 | 12.6 | 2.1\% |
| 1,323.6 | 18.6 | 1.4\% |
| 56.5 | 10.1 | 15.1\% |
| 42.7 | 10.6 | 19.9\% |
| 38.0 | 9.7 | 20.4\% |
| 125.4 | 10.5 | 7.7\% |
| 7,261.5 | 8.2 | 0.1\% |
| 13,842.6 | 8.1 | 0.1\% |
| 9,651.4 | 5.9 | 0.1\% |
| 8,375.1 | 5.1 | 0.1\% |
| 7,239.9 | 4.1 | 0.1\% |
| 4,264.0 | 13.9 | 0.3\% |
| 1,126.6 | 11.4 | 1.0\% |
| 180.7 | 13.2 | 6.8\% |
| 47.3 | 9.4 | 16.6\% |
| 41.3 | 9.2 | 18.2\% |
| 38.1 | 8.3 | 17.9\% |
| 26.0 | 8.8 | 25.2\% |
| 613.1 | 6.9 | 1.1\% |
| 29,723.4 | 5.8 | 0.0\% |
| 7,591.2 | 4.9 | 0.1\% |
| 5,522.8 | 4.1 | 0.1\% |
| 11,051.3 | 3.6 | 0.0\% |
| 21,738.4 | 3.5 | 0.0\% |
| 2,064.7 | 13.8 | 0.7\% |
| 70.7 | 7.8 | 9.9\% |
| 53.2 | 9.2 | 14.7\% |
| 52.9 | 11.0 | 17.2\% |
| 41.4 | 7.3 | 15.0\% |
| 28.5 | 7.6 | 21.0\% |
| 4,114.8 | 6.3 | 0.2\% |
| 18,013.9 | 5.8 | 0.0\% |
| 10,191.9 | 4.4 | 0.0\% |
| 17,437.5 | 3.5 | 0.0\% |
| 4,144.7 | 3.0 | 0.1\% |
| 3,531.0 | 2.5 | 0.1\% |
| 1,041.0 | 13.5 | 1.3\% |
| 61.8 | 7.0 | 10.1\% |
| 47.0 | 8.9 | 15.9\% |
| 40.8 | 8.4 | 17.2\% |
| 32.2 | 10.9 | 25.3\% |
| 5,785.2 | 8.3 | 0.1\% |
| 953.3 | 6.2 | 0.6\% |
| 11,809.0 | 4.6 | 0.0\% |
| 8,351.0 | 4.4 | 0.1\% |



|  |
| :---: |
| 9.2 |
| 7.2 |
| 6.0 |
| 4.6 |
| 4.6 |
| 3.7 |
| 3.0 |
| 16.2 |
| ${ }^{20.1}$ |
| 10.2 |
| 9.9 |
| 8.8 |
| 9.6 |
| 7.3 6.0 |
| 5.2 |
| 4.3 |
| 3.7 |
| 18.6 151 |
| 15.1 |
| 22.2 12.1 |
| 12.8 |
| 11.7 12.7 |
| 9.8 |
| 9.3 |
| 7.2 6.1 |
| 6.1 4.9 |
| 16.7 |
| 13.7 |
| 15.8 |
| 11.3 |
| 11.0 10.0 |
| 10.0 10.6 |
| 8.4 |
| 6.9 5.9 |
| 5.0 |
| 4.4 |
| 3.5 16.6 |
| 9.2 |
| 11.0 |
| 13.7 8.8 |
| 9.2 |
| 7.5 |
| 6.9 5.3 |
| 4.6 |
| 3.6 3.0 |
| 3.0 16.2 |
| 8.3 107 |
| 10.7 10.1 |
| 13.1 |
| 10.1 7.4 |
| 5.8 |

Percent

| Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| :---: | :---: | :---: |
| 366.6 | 14.0 | 3.7\% |
| 8,140.4 | 10.9 | 0.1\% |
| 4,761.1 | 9.0 | 0.2\% |
| 14,951.4 | 8.1 | 0.1\% |
| 16,276.6 | 6.9 | 0.0\% |
| 5,727.9 | 5.7 | 0.1\% |
| 5,359.5 | 4.7 | 0.1\% |
| 2,727.4 | 24.4 | 0.9\% |
| 572.8 | 30.0 | 5.0\% |
| 53.4 | 15.2 | 22.2\% |
| 40.5 | 14.8 | 26.8\% |
| 35.6 | 13.3 | 27.3\% |
| 2,757.1 | 14.6 | 0.5\% |
| 3,297.9 | 11.0 | 0.3\% |
| 4,914.8 | 9.1 | 0.2\% |
| 6,500.5 | 7.8 | 0.1\% |
| 8,590.9 | 6.6 | 0.1\% |
| 5,141.9 | 5.6 | 0.1\% |
| 5,057.9 | 27.9 | 0.5\% |
| 580.6 | 22.6 | 3.8\% |
| 1,309.0 | 33.2 | 2.5\% |
| 48.3 | 18.3 | 27.5\% |
| 34.2 | 19.1 | 35.9\% |
| 30.1 | 17.6 | 36.8\% |
| 116.6 | 19.3 | 14.2\% |
| 7,255.0 | 14.7 | 0.2\% |
| 13,836.8 | 13.9 | 0.1\% |
| 9,646.4 | 10.9 | 0.1\% |
| 8,370.8 | 9.4 | 0.1\% |
| 7,236.6 | 7.4 | 0.1\% |
| 4,252.9 | 25.0 | 0.6\% |
| 1,117.4 | 20.6 | 1.8\% |
| 170.3 | 23.5 | 12.1\% |
| 39.9 | 16.9 | 29.8\% |
| 33.9 | 16.6 | 32.9\% |
| 30.4 | 16.0 | 34.5\% |
| 18.8 | 16.0 | 45.9\% |
| 607.2 | 12.8 | 2.1\% |
| 29,718.8 | 10.4 | 0.0\% |
| 7,587.0 | 9.0 | 0.1\% |
| 5,519.3 | 7.5 | 0.1\% |
| 11,048.3 | 6.6 | 0.1\% |
| 21,736.1 | 5.8 | 0.0\% |
| 2,053.7 | 24.8 | 1.2\% |
| 64.9 | 13.5 | 17.2\% |
| 46.1 | 16.3 | 26.2\% |
| 41.0 | 22.9 | 35.9\% |
| 34.3 | 14.5 | 29.7\% |
| 22.1 | 14.0 | 38.8\% |
| 4,109.5 | 11.6 | 0.3\% |
| 18,009.3 | 10.4 | 0.1\% |
| 10,188.2 | 8.1 | 0.1\% |
| 17,434.0 | 6.9 | 0.0\% |
| 4,142.0 | 5.7 | 0.1\% |
| 3,528.8 | 4.7 | 0.1\% |
| 1,030.2 | 24.3 | 2.3\% |
| 56.4 | 12.3 | 17.9\% |
| 39.9 | 15.9 | 28.5\% |
| 34.0 | 15.2 | 31.0\% |
| 23.3 | 19.7 | 45.8\% |
| 5,778.4 | 15.2 | 0.3\% |
| 948.2 | 11.3 | 1.2\% |
| 11,804.4 | ${ }^{9.3}$ | 0.1\% |

thly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | 0\% Pumping Inc |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { How } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME 1 | 48627 | 2005 | Above Normal |  | February | - | 4,628.9 | 4,625.3 | 3.6 | 0.1\% | 4,624.5 | 4.4 | 0.1\% | 4,622.2 | 6.7 | 0.1\% |
| ME1 | 48627 | 2005 | Above Normal | March | - | 14,200.2 | 14,196.8 | 3.5 | 0.0\% | 14,196.8 | 3.5 | 0.0\% | 14,194.4 | 5.8 | 0.0\% |
| ME 1 | 48627 | 2005 | Above Normal | April | - | 9,180.0 | 9,177.2 | 2.8 | 0.0\% | 9,176.6 | 3.4 | 0.0\% | 9,174.9 | 5.1 | 0.1\% |
| ME 1 | 48627 | 2005 | Above Normal | May | - | $8,471.5$ | 8,457.1 | 14.5 | 0.2\% | $8,454.3$ | 17.2 | 0.2\% | 8,445.7 | 25.8 | 0.3\% |
| ME1 | 48627 | 2005 | Above Normal | June | - | 6,334.0 | 6,316.6 | 17.5 | 0.3\% | 6,313.1 | 20.9 | 0.3\% | 6,302.9 | 31.1 | 0.5\% |
| ME 1 | 48627 | 2005 | Above Normal | July | - | 91.8 | 81.1 | 10.7 | 11.6\% | 79.5 | 12.2 | 13.3\% | 74.8 | 17.0 | 18.5\% |
| ME 1 | 48627 | 2005 | Above Normal | August | - | 64.8 | 56.5 | 8.3 | 12.8\% | 54.9 | 9.9 | 15.2\% | 50.1 | 14.7 | 22.7\% |
| ME 1 | 48627 | 2005 | Above Normal | September | Used in Summary Table Analysis | 54.8 | 47.5 | 7.3 | 13.4\% | 46.0 | 8.8 | 16.0\% | 41.6 | 13.2 | 24.0\% |
| ME 1 | 48627 | 2006 | Wet | October | Used in Summary Table Analysis | 247.6 | 239.9 | 7.6 | 3.1\% | 238.4 | 9.2 | 3.7\% | 233.6 | 14.0 | 5.6\% |
| ME1 | 48627 | 2006 | Wet | November | Used in Summary Table Analysis | 6,495.8 | 6,490.2 | 5.7 | 0.1\% | 6,489.0 | 6.8 | 0.1\% | 6,485.4 | 10.4 | 0.2\% |
| ME 1 | 48627 | 2006 | Wet | December | - | 19,958.3 | 19,952.5 | 5.8 | 0.0\% | 19,951.4 | 6.9 | 0.0\% | 19,947.9 | 10.4 | 0.1\% |
| ME1 | 48627 | 2006 | wet | January | - | 16,843.8 | 16,839.1 | 4.6 | 0.0\% | 16,839.1 | 4.6 | 0.0\% | 16,835.6 | 8.1 | 0.0\% |
| ME1 | 48627 | 2006 | wet | February | - | 9,294.4 | 9,291.1 | 3.4 | 0.0\% | 9,290.3 | 4.2 | 0.0\% | 9,288.1 | 6.4 | 0.1\% |
| ME1 | 48627 | 2006 | wet | March | - | 23,150.5 | 23,148.1 | 2.3 | 0.0\% | 23,147.0 | 3.5 | 0.0\% | 23,144.7 | 5.8 | 0.0\% |
| ME1 | 48627 | 2006 | Wet | April | - | 11,453.2 | 11,450.6 | 2.7 | 0.0\% | 11,450.1 | 3.1 | 0.0\% | 11,448.5 | 4.7 | 0.0\% |
| ME1 | 48627 | 2006 | Wet | May | - | 4,628.2 | 4,623.5 | 4.7 | 0.1\% | 4,622.6 | 5.7 | 0.1\% | 4,619.8 | 8.4 | 0.2\% |
| ME1 | 48627 | 2006 | wet | June | - | 561.9 | 547.3 | 14.6 | 2.6\% | 544.5 | 17.5 | 3.1\% | 536.2 | 25.8 | 4.6\% |
| ME1 | 48627 | 2006 | Wet | July | - | 74.6 | 66.0 | 8.6 | 11.6\% | 64.3 | 10.3 | 13.7\% | 59.5 | 15.1 | 20.2\% |
| ME1 | 48627 | 2006 | Wet | August | -- | 60.4 | 52.0 | 8.4 | 13.8\% | 50.4 | 10.0 | 16.5\% | 45.5 | 14.9 | 24.7\% |
| ME1 | 48627 | 2006 | Wet | September | Used in Summary Table Analysis | 53.0 | 45.8 | 7.2 | 13.6\% | 44.4 | 8.7 | 16.3\% | 40.0 | 13.0 | 24.6\% |
| ME1 | 48627 | 2007 | Above Normal | October | Used in Summary Table Analysis | 43.8 | 36.3 | 7.5 | 17.2\% | 34.7 | 9.1 | 20.7\% | 30.0 | 13.8 | 31.6\% |
| ME1 | 48627 | 2007 | Above Normal | November | Used in Summary Table Analysis | 5,881.8 | 5,875.5 | 6.4 | 0.1\% | 5,874.2 | 7.6 | 0.1\% | 5,870.0 | 11.8 | 0.2\% |
| ME1 | 48627 | 2007 | Above Normal | December |  | 10,860.9 | 10,855.2 | 5.7 | 0.1\% | 10,854.1 | 6.8 | 0.1\% | 10,850.5 | 10.4 | 0.1\% |
| ME1 | 48627 | 2007 | Above Normal | January | - | 2,463.4 | 2,459.0 | 4.4 | 0.2\% | 2,458.2 | 5.2 | 0.2\% | 2,455.3 | 8.1 | 0.3\% |
| ME1 | 48627 | 2007 | Above Normal | February | - | 17,594.9 | 17,591.4 | 3.5 | 0.0\% | 17,590.3 | 4.6 | 0.0\% | 17,588.0 | 6.9 | 0.0\% |
| ME1 | 48627 | 2007 | Above Normal | March | - | 5,045.7 | 5,042.6 | 3.1 | 0.1\% | 5,041.9 | 3.8 | 0.1\% | 5,039.9 | 5.8 | 0.1\% |
| ME1 | 48627 | 2007 | Above Normal | April | - | 6,482.5 | 6,469.0 | 13.5 | 0.2\% | 6,466.2 | 16.3 | 0.3\% | 6,458.1 | 24.4 | 0.4\% |
| ME1 | 48627 | 2007 | Above Normal | May |  | 1,264.5 | 1,253.7 | 10.8 | 0.9\% | 1,251.5 | 13.0 | 1.0\% | 1,244.9 | 19.6 | 1.5\% |
| ME1 | 486227 | 2007 | Above Normal | June | - | 458.8 | 443.1 | 15.7 | 3.4\% | 440.0 | 18.8 | 4.1\% | 430.9 | 27.9 | 6.1\% |
| ME1 | 48627 | 2007 | Above Normal | July | - | 107.3 | 96.1 | 11.2 | 10.5\% | 93.9 | 13.5 | 12.5\% | 87.3 | 20.1 | 18.7\% |
| ME1 | 48627 | 2007 | Above Normal | August | -- | 53.5 | 44.9 | 8.7 | 16.2\% | 43.1 | 10.4 | 19.4\% | 38.0 | 15.6 | 29.1\% |
| ME1 | 48627 | 2007 | Above Normal | September | Used in Summary Table Analysis | 48.5 | 40.6 | 8.0 | 16.4\% | 39.0 | 9.6 | 19.7\% | 34.1 | 14.4 | 29.7\% |
| ME1 | 486227 | 2008 | Dry | October | Used in Summary Table Analysis | 2,917.7 | 2,909.3 | 8.4 | 0.3\% | 2,907.5 | 10.2 | 0.3\% | 2,902.2 | 15.5 | 0.5\% |
| ME1 | 486227 | 2008 | Dry | November | Used in Summary Table Analysis | 2,156.0 | 2,149.7 | 6.4 | 0.3\% | 2,148.4 | 7.6 | 0.4\% | 2,144.4 | 11.6 | 0.5\% |
| ME1 | 48627 | 2008 | Dry | December | - | 14,186.3 | 14,180.6 | 5.8 | 0.0\% | 14,179.4 | 6.9 | 0.0\% | 14,175.9 | 10.4 | 0.1\% |
| ME1 | 48627 | 2008 | Dry | January | - | 15,875.0 | 15,869.2 | 5.8 | 0.0\% | 15,869.2 | 5.8 | 0.0\% | 15,865.7 | 9.3 | 0.1\% |
| ME1 | 48627 | 2008 | Dry | February | - | 6,489.9 | 6,486.2 | 3.7 | 0.1\% | 6,485.4 | 4.5 | 0.1\% | 6,483.0 | 6.9 | 0.1\% |
| ME1 | 48627 | 2008 | Dry | March |  | 3,163.8 | 3,160.6 | 3.1 | 0.1\% | 3,160.1 | 3.7 | 0.1\% | 3,158.1 | 5.7 | 0.2\% |
| ME1 | 48627 | 2008 | Dry | April | - | 4,317.8 | 4,302.3 | 15.5 | 0.4\% | 4,299.2 | 18.6 | 0.4\% | 4,289.7 | 28.1 | 0.7\% |
| ME1 | 48627 | 2008 | Dry | May | - | 76.0 | 69.3 | 6.7 | 8.8\% | 68.2 | 7.8 | 10.3\% | 64.9 | 11.1 | 14.7\% |
| ME1 | 48627 | 2008 | Dry | June | - | 75.7 | 59.7 | 16.0 | 21.2\% | 56.5 | 19.2 | 25.4\% | 46.9 | 28.8 | 38.1\% |
| ME1 | 48627 | 2008 | Dry | July | - | 48.1 | 36.9 | 11.2 | 23.4\% | 34.6 | 13.5 | 28.0\% | 28.0 | 20.1 | 41.9\% |
| ME1 | 48627 | 2008 | Dry | August | - | 44.6 | 33.5 | 11.1 | 24.9\% | 31.3 | 13.3 | 29.9\% | 21.6 | 22.9 | 51.5\% |
| ME1 | 48627 | 2008 | Dry | September | Used in Summary Table Analysis | 33.3 | 19.2 | 14.1 | 42.4\% | 16.3 | 16.9 | 50.9\% | 7.9 | 25.4 | 76.2\% |
| ME1 | 48627 | 2009 | Critical | October | Used in Summary Table Analysis | 650.9 | 640.4 | 10.5 | 1.6\% | 638.2 | 12.7 | 2.0\% | 631.5 | 19.4 | 3.0\% |
| ME1 | 48627 | 2009 | Critical | November | Used in Summary Table Analysis | 3,864.9 | 3,857.1 | 7.9 | 0.2\% | 3,855.6 | 9.4 | 0.2\% | 3,850.6 | 14.4 | 0.4\% |
| ME1 | 48627 | 2009 | Critical | December |  | 7,165.9 | 7,158.9 | 6.9 | 0.1\% | 7,157.6 | 8.2 | 0.1\% | 7,153.7 | 12.2 | 0.2\% |
| ME1 | 48627 | 2009 | Critical | January | - | 4,429.4 | 4,423.8 | 5.6 | 0.1\% | 4,422.8 | 6.6 | 0.1\% | 4,419.4 | 10.0 | 0.2\% |
| ME1 | 486227 | 2009 | Critical | February | - | 13,515.0 | 13,510.4 | 4.6 | 0.0\% | 13,509.3 | 5.8 | 0.0\% | 13,505.8 | 9.3 | 0.1\% |
| ME1 | 48627 | 2009 | Critical | March | - | 10,992.5 | 10,988.5 | 3.9 | 0.0\% | 10,987.6 | 4.9 | 0.0\% | 10,985.2 | 7.3 | 0.1\% |
| ME1 | 48627 | 2009 | Critical | April | - | 4,799.2 | 4,780.1 | 16.1 | 0.3\% | 4,777.0 | 19.2 | 0.4\% | 4,767.2 | 28.9 | 0.6\% |
| ME1 | 48627 | 2009 | Critical | May | - | 10,345.9 | 10,331.4 | 14.6 | 0.1\% | 10,328.6 | 17.4 | 0.2\% | 10,319.8 | 26.2 | 0.3\% |
| ME1 | 48627 | 2009 | Critical | June | - | 336.9 | 317.8 | 19.1 | 5.7\% | 314.2 | 22.6 | 6.7\% | 303.1 | 33.7 | 10.0\% |
| ME1 | 48627 | 2009 | Critical | July | - | 68.3 | 57.3 | 11.0 | 16.1\% | 55.2 | 13.1 | 19.2\% | 48.8 | 19.5 | 28.6\% |
| ME 1 | 48627 | 2009 | Critical | August | -- | 54.2 | 43.3 | 10.9 | 20.2\% | 41.1 | 13.1 | 24.2\% | 34.6 | 19.7 | 36.3\% |
| ME1 | 48627 | 2009 | Critical | September | Used in Summary Table Analysis | 48.2 | 38.3 | 9.8 | 20.4\% | 36.3 | 11.8 | 24.6\% | 30.3 | 17.9 | 37.1\% |
| ME 1 | 48627 | 2010 | Below Normal | October | Used in Summary Table Analysis | 5,087.3 | 5,077.1 | 10.2 | 0.2\% | 5,075.0 | 12.3 | 0.2\% | 5,067.7 | 19.6 | 0.4\% |
| ME 1 | 48627 | 2010 | Below Normal | November | Used in Summary Table Analysis | 6,061.6 | 6,053.6 | 8.0 | 0.1\% | 6,052.0 | 9.6 | 0.2\% | 6,046.9 | 14.7 | 0.2\% |
| ME1 | 48627 | 2010 | Below Normal | December | - | 6,261.1 | 6,254.4 | 6.7 | 0.1\% | 6,253.1 | 8.0 | 0.1\% | 6,249.1 | 12.0 | 0.2\% |
| ME 1 | 48627 | 2010 | Below Normal | January | - | 17,998.8 | 17,993.1 | 5.8 | 0.0\% | 17,991.9 | 6.9 | 0.0\% | 17,988.4 | 10.4 | 0.1\% |
| ME 1 | 48627 | 2010 | Below Normal | February |  | 11,604.2 | 11,599.5 | 4.6 | 0.0\% | 11,598.4 | 5.8 | 0.0\% | 11,594.9 | 9.3 | 0.1\% |
| ME1 | 486227 | 2010 | Below Normal | March | - | 15,943.3 | 15,938.7 | 4.6 | 0.0\% | 15,938.7 | 4.6 | 0.0\% | 15,935.2 | 8.1 | 0.1\% |
| ME1 | 48627 | 2010 | Below Normal | April | - | 22,751.2 | 22,747.7 | 3.5 | 0.0\% | 22,747.7 | 3.5 | 0.0\% | 22,745.4 | 5.8 | 0.0\% |
| ME 1 | 48627 | 2010 | Below Normal | May | - | 6,388.7 | 6,373.7 | 14.9 | 0.2\% | 6,370.9 | 17.7 | 0.3\% | 6,362.4 | 26.3 | 0.4\% |

nethy Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow <br> Without <br> Pumping <br> (cfs) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \end{gathered}$ (cfs) | Percent <br> Differenc | Flow (cfs) | Flow Difference | Percent <br> Differenc | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \end{gathered}$ | Percent |
| ME1 | 48627 | 2010 | Below Normal |  | June | - | 3,599.0 | 3,581.1 | 17.8 | \% | 3,577.7 | 21.3 | 0.6\% | 3,567.2 | 31.7 | 0.9\% |
| ME1 | 486227 | 2010 | Below Normal | July | - | 88.4 | 78.1 | 10.2 | 11.6\% | 76.4 | 12.0 | 13.6\% | 71.3 | 17.1 | 19.3 |
| ME1 | 48627 | 2010 | Below Normal | August | - | 66.3 | 57.7 | 8.7 | 13.1\% | 56.0 | 10.4 | 15.6\% | 51.0 | 15.4 | 23.2\% |
| ME1 | 486227 | 2010 | Below Normal | September | Used in Summary Table Analysis | 319.5 | 308.0 | 11.5 | 3.6\% | 305.6 | 13.8 | 4.3\% | 298.7 | 20.8 | 6.5\% |
| ME1 | 48627 | 2011 | Wet | October | Used in Summary Table Analysis | 7,127.0 | 7,119.3 | 7.6 | 0.1\% | 7,117.7 | 9.3 | 0.1\% | 7,113.0 | 14.0 | 0.2\% |
| ME1 | 486227 | 2011 | wet | November | Used in Summary Table Analysis | 6,143.3 | 6,137.2 | 6.1 | 0.1\% | 6,135.8 | 7.5 | 0.1\% | 6,131.9 | 11.3 | 0.2\% |
| ME1 | 486227 | 2011 | Wet | December - | -- | 17,415.5 | 17,409.7 | 5.8 | 0.0\% | 17,408.6 | 6.9 | 0.0\% | 17,405.1 | 10.4 | 0.1\% |
| ME1 | 48627 | 2011 | Wet | January | - | 3,454,4 | 3,450.6 | 3.8 | 0.1\% | 3,499.8 | 4.6 | 0.1\% | 3,447.2 | 7.2 | 0.2\% |
| ME1 | 48627 | 2011 | Wet | February | - | 10,677.4 | 10,673.8 | 3.6 | 0.0\% | 10,673.0 | 4.4 | 0.0\% | 10,670.5 | 6.9 | 0.1\% |
| ME1 | 48627 | 2011 | Wet | March | - | 28,556.7 | 28,553.2 | 3.5 | 0.0\% | 28,552.1 | 4.6 | 0.0\% | 28,549.8 | 6.9 | 0.0\% |
| ME1 | 48627 | 2011 | Wet | April | - | 11,030.7 | 11,027.9 | 2.8 | 0.0\% | 11,027.3 | 3.4 | 0.0\% | 11,025.5 | 5.2 | 0.0\% |
| ME1 | 48627 | 2011 | Wet | May | - | 4,788.8 | 4,775.0 | 13.8 | 0.3\% | 4,772.2 | 16.6 | 0.3\% | 4,764.0 | 24.8 | 0.5\% |
| ME1 | 48627 | 2011 | Wet | June | - | 3,122.9 | 3,105.4 | 17.5 | 0.6\% | 3,102.0 | 20.9 | 0.7\% | 3,091.7 | 31.3 | 1.0\% |
| ME1 | 48627 | 2011 | wet | July | - | 215.1 | 199.8 | 15.3 | 7.1\% | 196.9 | 18.2 | 8.5\% | 189.5 | 25.6 | 11.9\% |
| ME1 | 48627 | 2011 | Wet | August | - | 65.2 | 56.9 | 8.2 | 12.6\% | 55.3 | 9.8 | 15.1\% | 50.5 | 14.7 | 22.6\% |
| ME1 | 48627 | 2011 | Wet | September | Used in Summary Table Analysis | 54.8 | 47.5 | 7.2 | 13.2\% | 46.1 | 8.7 | 15.9\% | 41.7 | 13.1 | 23.9\% |
| ME1 | 48627 | 2012 | Below Normal | October | Used in Summary Table Analysis | 3,519.2 | 3,511.8 | 7.4 | 0.2\% | 3,510.3 | 8.9 | 0.3\% | 3,505.7 | 13.5 | 0.4\% |
| ME1 | 48627 | 2012 | Below Normal | November | Used in Summary Table Analysis | 4,803.2 | 4,797.2 | 6.0 | 0.1\% | 4,795.9 | 7.3 | 0.2\% | 4,792.1 | 11.1 | 0.2\% |
| me 1 | 48627 | 2012 | Below Normal | December - |  | 1,952.0 | 1,947.0 | 5.0 | 0.3\% | 1,945.9 | 6.0 | 0.3\% | 1,942.8 | 9.1 | 0.5\% |
| ME1 | 48627 | 2012 | Below Normal | January | - | 11,396.2 | 11,392.0 | 4.2 | 0.0\% | 11,391.0 | 5.2 | 0.0\% | 11,388.2 | 8.0 | 0.1\% |
| ME1 | 48627 | 2012 | Below Normal | February - | - | 6,636.2 | 6,632.8 | 3.5 | 0.1\% | 6,631.9 | 4.3 | 0.1\% | 6,629.7 | 6.5 | 0.1\% |
| ME1 | 48627 | 2012 | Below Normal | March | - | 25,053.2 | 25,049.8 | 3.5 | 0.0\% | 25,048.6 | 4.6 | 0.0\% | 25,046.3 | 6.9 | 0.0\% |
| ME1 | 48627 | 2012 | Below Normal | April | - | 12,476.9 | 12,473.4 | 3.5 | 0.0\% | 12,473.4 | 3.5 | 0.0\% | 12,471.1 | 5.8 | 0.0\% |
| ME1 | 48627 | 2012 | Below Normal | May | - | 2,041.2 | 2,027.2 | 14.0 | 0.7\% | 2,024.4 | 16.8 | 0.8\% | 2,016.3 | 24.9 | 1.2\% |
| ME1 | 48627 | 2012 | Below Normal | June | - | 3,028.2 | 3,010.5 | 17.7 | 0.6\% | 3,007.1 | 21.2 | 0.7\% | 2,996.9 | 31.4 | 1.0\% |
| ME1 | 48627 | 2012 | Below Normal | July | - | 1,079.9 | 1,064.3 | 15.6 | 1.4\% | 1,061.3 | 18.6 | 1.7\% | 1,052.4 | 27.5 | 2.5\% |
| ME1 | 48627 | 2012 | Below Normal | August | -- | 72.1 | 64.1 | 8.1 | 11.2\% | 62.5 | 9.7 | 13.4\% | 57.8 | 14.4 | 19.9\% |
| ME1 | 48627 | 2012 | Below Normal | September | Used in Summary Table Analysis | 58.6 | 51.3 | 7.3 | 12.4\% | 49.9 | 8.8 | 14.9\% | 45.6 | 13.1 | 22.3\% |
| ME1 | 48627 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,478.7 | 1,470.5 | 8.2 | 0.6\% | 1,468.9 | 9.8 | 0.7\% | 1,463.8 | 14.9 | 1.0\% |
| ME1 | 48627 | 2013 | Below Normal | November | Used in Summary Table Analysis | 9,451.6 | 9,445.1 | 6.5 | 0.1\% | 9,443.9 | 7.8 | 0.1\% | 9,439.8 | 11.8 | 0.1\% |
| ME1 | 48627 | 2013 | Below Normal | December - |  | 32,023.1 | 32,017.4 | 5.8 | 0.0\% | 32,015.0 | 8.1 | 0.0\% | 32,011.6 | 11.6 | 0.0\% |
| ME1 | 48627 | 2013 | Below Normal | January | - | 4,806.3 | 4,802.0 | 4.3 | 0.1\% | 4,800.9 | 5.3 | 0.1\% | 4,798.3 | 8.0 | 0.2\% |
| ME1 | 48627 | 2013 | Below Normal | February - | - | 3,058.8 | 3,055.0 | 3.8 | 0.1\% | 3,054.1 | 4.7 | 0.2\% | 3,051.6 | 7.2 | 0.2\% |
| ME1 | 48627 | 2013 | Below Normal | March | - | 5,617.1 | 5,613.9 | 3.2 | 0.1\% | 5,613.2 | 3.9 | 0.1\% | 5,611.2 | 5.9 | 0.1\% |
| ME1 | 48627 | 2013 | Below Normal | April | - | 4,383.1 | 4,369.9 | 13.2 | 0.3\% | 4,367.2 | 15.9 | 0.4\% | 4,359.3 | 23.8 | 0.5\% |
| ME1 | 48627 | 2013 | Below Normal | May | - | 2,265.5 | 2,254.6 | 10.9 | 0.5\% | 2,252.3 | 13.2 | 0.6\% | 2,245.8 | 19.7 | 0.9\% |
| ME1 | 48627 | 2013 | Below Normal | June | - | 1,010.3 | 994.6 | 15.6 | 1.5\% | 991.6 | 18.7 | 1.9\% | 982.4 | 27.9 | 2.8\% |
| ME1 | 48627 | 2013 | Below Normal | July | - | 68.1 | 59.3 | 8.8 | 12.9\% | 57.6 | 10.5 | 15.4\% | 52.4 | 15.7 | 23.0\% |
| ME1 | 48627 | 2013 | Below Normal | August | - | 55.1 | 46.3 | 8.8 | 16.0\% | 44.5 | 10.6 | 19.2\% | 39.2 | 15.9 | 28.9\% |
| ME1 | 48627 | 2013 | Below Normal | September | Used in Summary Table Analysis | 3,820.4 | 3,808.0 | 12.4 | 0.3\% | 3,805,4 | 14.9 | 0.4\% | 3,797.8 | 22.6 | 0.6\% |
| ME1 | 48627 | 2014 | Critical | October | Used in Summary Table Analysis | 89.3 | 81.2 | 8.1 | 9.1\% | 79.6 | 9.8 | 10.9\% | 75.4 | 13.9 | 15.6\% |
| ME1 | 48627 | 2014 | Critical | November | Used in Summary Table Analysis | 1,146.0 | 1,139.6 | 6.4 | 0.6\% | 1,138.3 | 7.7 | 0.7\% | 1,134.3 | 11.7 | 1.0\% |
| ME1 | 48627 | 2014 | Critical | December - | - | 915.0 | 909.8 | 5.1 | 0.6\% | 908.8 | 6.2 | 0.7\% | 905.6 | 9.4 | 1.0\% |
| ME1 | 48627 | 2014 | Critical | January | - | 1,812.0 | 1,807.8 | 4.3 | 0.2\% | 1,806.8 | 5.2 | 0.3\% | 1,804.2 | 7.9 | 0.4\% |
| ME1 | 48627 | 2014 | Critical | February - | - | 9,847.8 | 9,844.0 | 3.8 | 0.0\% | 9,843.2 | 4.6 | 0.0\% | 9,840.4 | 7.4 | 0.1\% |
| ME1 | 48627 | 2014 | Critical | March | - | 14,798.6 | 14,795.1 | 3.5 | 0.0\% | 14,795.1 | 3.5 | 0.0\% | 14,792.8 | 5.8 | 0.0\% |
| ME1 | 48627 | 2014 | Critical | April | - | 3,617.5 | 3,602.1 | 15.4 | 0.4\% | 3,599.1 | 18.4 | 0.5\% | 3,589.8 | 27.7 | 0.8\% |
| ME1 | 48627 | 2014 | Critical | May | - | 1,846.1 | 1,833.1 | 13.0 | 0.7\% | 1,880.4 | 15.6 | 0.8\% | 1,822.7 | 23.4 | 1.3\% |
| ME1 | 48627 | 2014 | Critical | June | - | 120.6 | 102.0 | 18.6 | 15.4\% | 98.3 | 22.3 | 18.5\% | 88.0 | 32.5 | 27.0\% |
| ME1 | 48627 | 2014 | Critical | July | - | 57.0 | 46.2 | 10.9 | 19.1\% | 44.0 | 13.1 | 22.9\% | 37.5 | 19.6 | 34.3\% |
| ME1 | 48627 | 2014 | Critical | August | - | 49.6 | 38.7 | 10.9 | 22.0\% | 36.5 | 13.1 | 26.4\% | 30.0 | 19.7 | 39.7\% |
| ME1 | 48627 | 2014 | Critical | September | Used in Summary Table Analysis | 2,098.1 | 2,082.9 | 15.3 | 0.7\% | 2,080.0 | 18.2 | 0.9\% | 2,070.7 | 27.4 | 1.3\% |
| ME1 | 48627 | 2015 | Dry | October | Used in Summary Table Analysis | 8,226.7 | 8,215.3 | 11.5 | 0.1\% | 8,213.2 | 13.5 | 0.2\% | 8,207.2 | 19.6 | 0.2\% |
| ME1 | 48627 | 2015 | Dry | November | Used in Summary Table Analysis | 4,147.0 | 4,139.1 | 7.9 | 0.2\% | 4,137.6 | 9.4 | 0.2\% | 4,132.9 | 14.1 | 0.3\% |
| ME1 | 48627 | 2015 | Dry | December - | - | 15,217.6 | 15,210.6 | 6.9 | 0.0\% | 15,299.5 | 8.1 | 0.1\% | 15,206.0 | 11.6 | 0.1\% |
| ME1 | 48627 | 2015 | Dry | January |  | 2,392.7 | 2,387.5 | 5.2 | 0.2\% | 2,386.3 | 6.4 | 0.3\% | 2,383.0 | 9.7 | 0.4\% |
| ME1 | 48627 | 2015 | Dry | February |  | 15,027.8 | 15,023.1 | 4.6 | 0.0\% | 15,022.0 | 5.8 | 0.0\% | 15,019.7 | 8.1 | 0.1\% |
| ME1 | 48627 | 2015 | Dry | March | - | 4,129.6 | 4,126.0 | 3.6 | 0.1\% | 4,125.2 | 4.4 | 0.1\% | 4,123.0 | 6.6 | 0.2\% |
| ME1 | 48627 | 2015 | Dry | April | - | 4,470.7 | 4,454.7 | 16.0 | 0.4\% | 4,451.5 | 19.2 | 0.4\% | 4,441.9 | 28.8 | 0.6\% |
| ME1 | 48627 | 2015 | Dry | May | - | 141.3 | 128.3 | 13.0 | 9.2\% | 125.9 | 15.4 | 10.9\% | 119.3 | 21.9 | 15.5\% |
| ME1 | 486227 | 2015 | Dry | June | - | 175.4 | 159.1 | 16.4 | ${ }^{9.3 \%}$ | 155.8 | 19.7 | 11.2\% | 145.9 | 29.5 | 16.8\% |
| ME1 | 48627 | 2015 | Dry | July | - | 53.0 | 41.6 | 11.4 | 21.5\% | 39.3 | 13.6 | 25.7\% | 32.6 | 20.4 | 38.5\% |
| ME1 | 486227 | 2015 | Dry | August | - | 47.4 | 36.2 | 11.1 | 23.5\% | 34.0 | 13.4 | 28.2\% | 27.3 | 20.1 | 42.4\% |
| ME1 | 486227 | 2015 | Dry | September | Used in Summary Table Analysis | 45.7 | 33.0 | 12.7 | 27.8\% | 30.1 | 15.6 | 34.1\% | 21.5 | 24.3 | 53.1\% |

nthy Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interes | Model Cell(Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | 0\% Pumping In |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\underset{\substack{\text { Difforencence } \\ \text { (ffs) }}}{\text { Fole }}$ | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference |
| ME1 | 486227 | 2016 | Above Normal |  | October | Used in Summary Table Analysis | 37.6 | 24.7 | 12.9 | 34.4\% | 22.5 | 15.1 | 40.2\% | 15.8 | 21.8 | 57.9\% |
| ME1 | 48627 | 2016 | Above Normal | November | Used in Summary Table Analysis | 2,977.0 | 2,968.9 | 8.1 | 0.3\% | 2,967.2 | 9.7 | 0.3\% | 2,962.3 | 14.7 | 0.5\% |
| ME1 | 48627 | 2016 | Above Normal | December - | - | 19,766.2 | 19,759.3 | 6.9 | 0.0\% | 19,758.1 | 8.1 | 0.0\% | 19,753.5 | 12.7 | 0.1\% |
| ME1 | 48627 | 2016 | Above Normal | January | - | 20,850.7 | 20,844.9 | 5.8 | 0.0\% | 20,843.8 | 6.9 | 0.0\% | 20,840.3 | 10.4 | 0.0\% |
| ME1 | 48627 | 2016 | Above Normal | February | - | 5,489.1 | 5,484.7 | 4.4 | 0.1\% | 5,483.8 | 5.3 | 0.1\% | 5,480.9 | 8.2 | 0.1\% |
| ME1 | 48627 | 2016 | Above Normal | March | - | 20,191.0 | 20,186.3 | 4.6 | 0.0\% | 20,186.3 | 4.6 | 0.0\% | 20,182.9 | 8.1 | 0.0\% |
| ME1 | 48627 | 2016 | Above Normal | April | - | 5,666.4 | 5,663.1 | 3.4 | 0.1\% | 5,662.5 | 3.9 | 0.1\% | 5,660.4 | 6.0 | 0.1\% |
| ME1 | 48627 | 2016 | Above Normal | May | - | 1,239.8 | 1,234.8 | 5.0 | 0.4\% | 1,233.8 | 6.0 | 0.5\% | 1,230.7 | 9.1 | 0.7\% |
| ME1 | 48627 | 2016 | Above Normal | June | - | 80.3 | 69.1 | 11.1 | 13.\% | 68.0 | 12.3 | 15.3\% | 64.7 | 15.5 | 19.4\% |
| ME1 | 48627 | 2016 | Above Normal | July | - | 59.9 | 50.9 | 9.0 | 15.0\% | 49.2 | 10.7 | 17.9\% | 44.0 | 15.9 | 26.5\% |
| ME1 | 48627 | 2016 | Above Normal | August | - | 51.1 | 42.4 | 8.7 | 17.\% | 40.7 | 10.4 | 20.4\% | 35.6 | 15.5 | 30.4\% |
| ME1 | 48627 | 2016 | Above Normal | September | Used in Summary Table Analysis | 47.3 | 37.3 | 10.0 | 21.2\% | 35.1 | 12.2 | 25.9\% | 28.5 | 18.8 | 39.6\% |
| ME1 | 48627 | 2017 | Wet | October | Used in Summary Table Analysis | 12,827.5 | 12,818.3 | 9.3 | 0.1\% | 12,817.1 | 10.4 | 0.1\% | 12,812.5 | 15.0 | 0.1\% |
| ME1 | 48627 | 2017 | Wet | November | Used in Summary Table Analysis | 7,380.0 | 7,373.5 | 6.5 | 0.1\% | 7,372.1 | 7.9 | 0.1\% | 7,368.4 | 11.6 | 0.2\% |
| ME1 | 48627 | 2017 | Wet | December - |  | 9,425.5 | 9,420.0 | 5.4 | 0.1\% | 9,418.9 | 6.6 | 0.1\% | 9,415.5 | 10.0 | 0.1\% |
| ME1 | 48627 | 2017 | Wet | January | - | 35,022.0 | 35,017.4 | 4.6 | 0.0\% | 35,016.2 | 5.8 | 0.0\% | 35,013.9 | 8.1 | 0.0\% |
| ME1 | 48627 | 2017 | Wet | February |  | 33,784.7 | 33,781.3 | 3.5 | 0.0\% | 33,780.1 | 4.6 | 0.0\% | 33,777.8 | 6.9 | 0.0\% |
| ME 1 | 48627 | 2017 | Wet | March | - | 6,422.2 | 6,419.0 | 3.2 | 0.1\% | 6,418.3 | 3.9 | 0.1\% | 6,414.3 | 5.9 | 0.1\% |
| ME1 | 48627 | 2017 | Wet | April | - | 8,124.2 | 8,121.6 | 2.5 | 0.0\% | 8,121.1 | 3.1 | 0.0\% | 8,119.4 | 4.7 | 0.1\% |
| ME1 | 48627 | 2017 | Wet | May | - | 192.4 | 187.8 | 4.6 | 2.4\% | 187.0 | 5.5 | 2.8\% | 184.1 | 8.3 | 4.3\% |
| ME1 | 48627 | 2017 | Wet | June | - | 182.7 | 168.4 | 14.3 | 7.8\% | 165.5 | 17.2 | 9.4\% | 157.1 | 25.6 | 14.0\% |
| ME1 | 48627 | 2017 | Wet | July | - | 55.9 | 47.4 | 8.5 | 15.3\% | 45.7 | 10.2 | 18.3\% | 40.8 | 15.1 | 27.0\% |
| ME1 | 48627 | 2017 | Wet | August | - | 51.2 | 42.8 | 8.4 | 16.4\% | 41.1 | 10.1 | 19.7\% | 36.1 | 15.1 | 29.5\% |
| ME1 | 48627 | 2017 | Wet | September | Used in Summary Table Analysis | 46.4 | 35.8 | 10.6 | 22.9\% | 33.6 | 12.8 | 27.6\% | 27.2 | 19.3 | 41.5\% |
| ME1 | 48627 | 2018 | Above Normal | October | Used in Summary Table Analysis | 53.6 | 45.5 | 8.1 | 15.1\% | 43.8 | 9.7 | 18.2\% | 38.9 | 14.7 | 27.4\% |
| ME1 | 48627 | 2018 | Above Normal | November | Used in Summary Table Analysis | 7,127.7 | 7,121.6 | 6.0 | 0.1\% | 7,120.5 | 7.2 | 0.1\% | 7,116.7 | 11.0 | 0.2\% |
| ME1 | 48627 | 2018 | Above Normal | December - |  | 613.0 | 608.3 | 4.7 | 0.8\% | 607.3 | 5.7 | 0.9\% | 604.4 | 8.7 | 1.4\% |
| ME1 | 48627 | 2018 | Above Normal | January | - | 9,033.8 | 9,029.6 | 4.2 | 0.0\% | 9,028.7 | 5.1 | 0.1\% | 9,026.2 | 7.6 | 0.1\% |
| ME1 | 486227 | 2018 | Above Normal | February - | - | 727.0 | 723.8 | 3.3 | 0.4\% | 723.0 | 4.0 | 0.5\% | 720.9 | 6.2 | 0.8\% |
| ME1 | 48627 | 2018 | Above Normal | March | - | 9,533.8 | 9,550.8 | 3.0 | 0.0\% | 9,550.2 | 3.6 | 0.0\% | 9,548.3 | 5.6 | 0.1\% |
| ME1 | 48627 | 2018 | Above Normal | April | - | 17,384.3 | 17,380.8 | 3.5 | 0.0\% | 17,380.8 | 3.5 | 0.0\% | 17,378.5 | 5.8 | 0.0\% |
| ME1 | 48627 | 2018 | Above Normal | May | - | 725.0 | 711.9 | 13.1 | 1.8\% | 709.4 | 15.6 | 2.2\% | 701.3 | 23.7 | 3.3\% |
| ME1 | 48627 | 2018 | Above Normal | June |  | 64.8 | 57.4 | 7.4 | 11.4\% | 56.0 | 8.7 | 13.5\% | 51.9 | 12.9 | 19.9\% |
| ME1 | 48627 | 2018 | Above Normal | July |  | 53.8 | 44.8 | 8.9 | 16.6\% | 43.0 | 10.7 | 19.9\% | 37.7 | 16.0 | 29.8\% |
| ME1 | 48627 | 2018 | Above Normal | August | - | 49.4 | 41.0 | 8.5 | 17.1\% | 39.3 | 10.1 | 20.5\% | 34.2 | 15.2 | 30.9\% |
| ME1 | 48627 | 2018 | Above Normal | September | Used in Summary Table Analysis | 42.9 | 32.1 | 10.8 | 25.2\% | 29.9 | 13.0 | 30.3\% | 23.3 | 19.6 | 45.6\% |
| ME1 | 48627 | 2019 | Below Normal | October | Used in Summary Table Analysis | 57.5 | 48.6 | 8.9 | 15.5\% | 46.7 | 10.7 | 18.7\% | 41.2 | 16.3 | 28.3\% |
| ME1 | 48627 | 2019 | Below Normal | November | Used in Summary Table Analysis | 4,560.6 | 4,554.3 | 6.4 | 0.1\% | 4,553.0 | 7.6 | 0.2\% | 4,549.0 | 11.7 | 0.3\% |
| ME1 | 486227 | 2019 | Below Normal | December | - | 7,083.3 | 7,078.1 | 5.2 | 0.1\% | 7,077.1 | 6.3 | 0.1\% | 7,073.6 | 9.7 | 0.1\% |
| ME1 | 48627 | 2019 | Below Normal | January | - | 16,199.1 | 16,194.4 | 4.6 | 0.0\% | 16,193.3 | 5.8 | 0.0\% | 16,189.8 | 9.3 | 0.1\% |
| ME1 | 48627 | 2019 | Below Normal | February - | - | 44,743.1 | 44,739.6 | 3.5 | 0.0\% | 44,738.4 | 4.6 | 0.0\% | 44,736.1 | 6.9 | 0.0\% |
| ME1 | 48627 | 2019 | Below Normal | March | - | 10,377.0 | 10,373.6 | 3.4 | 0.0\% | 10,372.9 | 4.1 | 0.0\% | 10,370.8 | 6.1 | 0.1\% |
| ME1 | 48627 | 2019 | Below Normal | April | - | 3,490.0 | 3,487.5 | 2.5 | 0.1\% | 3,486.9 | 3.1 | 0.1\% | 3,485.3 | 4.7 | 0.1\% |
| ME1 | 486227 | 2019 | Below Normal | May | - | 6,610.0 | 6,595.9 | 14.0 | 0.2\% | 6,593.2 | 16.8 | 0.3\% | 6,584.8 | 25.1 | 0.4\% |
| ME1 | 48627 | 2019 | Below Normal | June | - | 81.6 | 73.0 | 8.6 | 10.5\% | 71.7 | 10.0 | 12.2\% | 67.7 | 13.9 | 17.0\% |
| ME1 | 48627 | 2019 | Below Normal | July | - | 64.0 | 55.1 | 8.9 | 14.0\% | 53.3 | 10.7 | 16.7\% | 48.2 | 15.8 | 24.7\% |
| ME1 | 48627 | 2019 | Below Normal | August | - | 53.9 | 45.5 | 8.4 | 15.6\% | 43.8 | 10.1 | 18.7\% | 38.8 | 15.0 | 27.9\% |
| ME1 | 48627 | 2019 | Below Normal | September | Used in Summary Table Analysis | 124.6 | 113.8 | 10.8 | 8.6\% | 111.6 | 13.0 | 10.4\% | 105.1 | 19.5 | 15.7\% |
| ME1 | 48627 | 2020 | Dry | October | Used in Summary Table Analysis | 157.7 | 150.1 | 7.6 | 4.8\% | 148.5 | 9.2 | 5.8\% | 143.7 | 14.0 | 8.9\% |
| ME1 | 48627 | 2020 | Dry | November | Used in Summary Table Analysis | 85.1 | 80.4 | 4.6 | 5.4\% | 79.5 | 5.6 | 6.6\% | 76.5 | 8.6 | 10.1\% |
| ME1 | 48627 | 2020 | Dry | December - |  | 7,846.3 | 7,841.4 | 4.9 | 0.1\% | 7,840.4 | 5.9 | 0.1\% | 7,837.3 | 9.0 | 0.1\% |
| ME1 | 48627 | 2020 | Dry | January |  | 8,976.4 | 8,972.0 | 4.4 | 0.0\% | 8,971.1 | 5.3 | 0.1\% | 8,968.4 | 8.0 | 0.1\% |
| ME1 | 48627 | 2020 | Dry | February | - | 253.9 | 250.5 | 3.4 | 1.3\% | 249.8 | 4.1 | 1.6\% | 247.6 | 6.3 | 2.5\% |
| ME1 | 48627 | 2020 | Dry | March | - | 2,657.1 | 2,654.1 | 3.0 | 0.1\% | 2,653.5 | 3.6 | 0.1\% | 2,651.5 | 5.6 | 0.2\% |
| ME1 | 48627 | 2020 | Dry | April | - | 2,150.1 | 2,135.0 | 15.2 | 0.7\% | 2,131.9 | 18.2 | 0.8\% | 2,122.8 | 27.3 | 1.3\% |
| ME1 | 48627 | 2020 | Dry | May | - | 3,756.1 | 3,743.2 | 13.0 | 0.3\% | 3,740.6 | 15.5 | 0.4\% | 3,733.0 | 23.1 | 0.6\% |
| ME1 | 48627 | 2020 | Dry | June | - | 91.8 | 75.9 | 15.9 | 17.4\% | 73.0 | 18.9 | 20.6\% | 64.1 | 27.7 | 30.2\% |
| ME1 | 48627 | 2020 | Dry | July | - | 54.1 | 43.3 | 10.9 | 20.1\% | 41.1 | 13.0 | 24.1\% | 34.6 | 19.5 | 36.1\% |
| ME1 | 48627 | 2020 | Dry | August | - | 47.0 | 36.2 | 10.9 | 23.1\% | 34.0 | 13.1 | 27.8\% | 27.4 | 19.6 | 41.7\% |
| ME1 | 486227 | 2020 | Dry | September | Used in Summary Table Analysis | 44.7 | 31.8 | 12.8 | 28.7\% | 29.0 | 15.7 | 35.1\% | 20.4 | 24.2 | 54.3\% |
| ME1 | 486128 | 2000 | Above Normal | October | Used in Summary Table Analysis | 382.0 | 374.3 | 7.7 | 2.0\% | 372.6 | 9.4 | 2.5\% | 367.8 | 14.2 | 3.7\% |
| ME1 | 486128 | 2000 | Above Normal | November | Used in Summary Table Analysis | 8,171.5 | 8,165.4 | 6.1 | 0.1\% | 8,164.2 | 7.3 | 0.1\% | 8,160.4 | 11.1 | 0.1\% |
| ME1 | 486128 | 2000 | Above Normal | December |  | 4,781.5 | 4,776.5 | 5.0 | 0.1\% | 4,775.5 | 6.0 | 0.1\% | 4,772.3 | 9.1 | 0.2\% |
| ME1 | 486128 | 2000 | Above Normal | January |  | 14,993.1 | 14,988.4 | 4.6 | 0.0\% | 14,987.3 | 5.8 | 0.0\% | 14,985.0 | 8.1 | 0.1\% |

thly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interes | (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | 0\% Pumping Inc |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { How } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME 1 | 486128 | 2000 | Above Normal |  | February | - | 16,317.1 | 16,313,7 | 3.5 | 0.0\% | 16,312.5 | 4.6 | 0.0\% | 16,310.2 | 6.9 | 0.0\% |
| ME 1 | 486128 | 2000 | Above Normal | March | - | 5,745.5 | 5,742.5 | 3.0 | 0.1\% | 5,741.8 | 3.7 | 0.1\% | 5,739.8 | 5.7 | 0.1\% |
| ME 1 | 486128 | 2000 | Above Normal | April | - | 5,376.9 | 5,374.3 | 2.5 | 0.0\% | 5,373.8 | 3.0 | 0.1\% | 5,372.1 | 4.7 | 0.1\% |
| ME 1 | 486128 | 2000 | Above Normal | May | - | 2,761.7 | 2,748.1 | 13.5 | 0.5\% | 2,745.4 | 16.3 | 0.6\% | 2,737.2 | 24.5 | 0.9\% |
| ME1 | 486128 | 2000 | Above Normal | June | - | 605.1 | 588.1 | 17.0 | 2.8\% | 584.7 | 20.3 | 3.4\% | 574.7 | 30.4 | 5.0\% |
| ME 1 | 486128 | 2000 | Above Normal | July | - | 68.9 | 60.1 | 8.8 | 12.7\% | 58.4 | 10.5 | 15.2\% | 53.3 | 15.6 | 22.6\% |
| ME 1 | 486128 | 2000 | Above Normal | August | - | 55.8 | 47.3 | 8.5 | 15.2\% | 45.6 | 10.1 | 18.2\% | 40.6 | 15.2 | 27.2\% |
| ME 1 | 486128 | 2000 | Above Normal | September | Used in Summary Table Analysis | 49.4 | 41.9 | 7.5 | 15.2\% | 40.4 | 9.0 | 18.3\% | 35.8 | 13.6 | 27.6\% |
| ME 1 | 486128 | 2001 | Dry | October | Used in Summary Table Analysis | 2,777.0 | 2,768.9 | 8.1 | 0.3\% | 2,767.2 | 9.7 | 0.4\% | 2,762.2 | 14.8 | 0.5\% |
| ME1 | 486128 | 2001 | Dry | November | Used in Summary Table Analysis | 3,317.2 | 3,311.1 | 6.1 | 0.2\% | 3,309.8 | 7.4 | 0.2\% | 3,306.1 | 11.1 | 0.3\% |
| ME 1 | 486128 | 2001 | Dry | December | - | 4,932.4 | 4,927.3 | 5.1 | 0.1\% | 4,926.3 | 6.1 | 0.1\% | 4,923.1 | 9.3 | 0.2\% |
| ME1 | 486128 | 2001 | Dry | January | - | 6,524.3 | 6,520.0 | 4.3 | 0.1\% | 6,519.1 | 5.2 | 0.1\% | 6,516.4 | 7.9 | 0.1\% |
| ME 1 | 486128 | 2001 | Dry | February | - | 8,614.4 | 8,610.8 | 3.6 | 0.0\% | 8,610.0 | 4.4 | 0.1\% | 8,607.6 | 6.7 | 0.1\% |
| ME1 | 486128 | 2001 | Dry | March | - | 5,158.2 | 5,155.2 | 3.0 | 0.1\% | 5,154.5 | 3.7 | 0.1\% | 5,152.5 | 5.7 | 0.1\% |
| ME1 | 486128 | 2001 | Dry | April | - | 5,099.2 | 5,083.6 | 15.6 | 0.3\% | 5,080.4 | 18.8 | 0.4\% | 5,071.1 | 28.1 | 0.6\% |
| ME1 | 486128 | 2001 | Dry | May | - | 604.4 | 591.6 | 12.8 | 2.1\% | 589.0 | 15.3 | 2.5\% | 581.4 | 23.0 | 3.8\% |
| ME1 | 486128 | 2001 | Dry | June | - | 1,344.1 | 1,325.2 | 18.9 | 1.4\% | 1,321.5 | 22.6 | 1.7\% | 1,310.4 | 33.7 | 2.5\% |
| ME1 | 486128 | 2001 | Dry | July | - | 66.6 | 56.3 | 10.3 | 15.5\% | 54.2 | 12.4 | 18.7\% | 47.9 | 18.8 | 28.1\% |
| ME1 | 486128 | 2001 | Dry | August | -- | 53.6 | 42.7 | 10.9 | 20.3\% | 40.5 | 13.1 | 24.4\% | 34.0 | 19.6 | 36.6\% |
| ME1 | 486128 | 2001 | Dry | September | Used in Summary Table Analysis | 48.1 | 38.1 | 9.9 | 20.7\% | 36.1 | 12.0 | 24.9\% | 30.1 | 18.0 | 37.4\% |
| ME1 | 486128 | 2002 | Below Normal | October | Used in Summary Table Analysis | 136.6 | 125.9 | 10.7 | 7.8\% | 123.6 | 12.9 | 9.5\% | 117.0 | 19.6 | 14.3\% |
| ME1 | 486128 | 2002 | Below Normal | November | Used in Summary Table Analysis | 7,283.1 | 7,274.8 | 8.3 | 0.1\% | 7,273.0 | 10.1 | 0.1\% | 7,268.1 | 15.0 | 0.2\% |
| ME1 | 486128 | 2002 | Below Normal | December | - | 13,884.3 | 13,877.3 | 6.9 | 0.1\% | 13,875.0 | 9.3 | 0.1\% | 13,870.4 | 13.9 | 0.1\% |
| ME1 | 486128 | 2002 | Below Normal | January | - | 9,677.1 | 9,670.9 | 6.1 | 0.1\% | 9,669.8 | 7.3 | 0.1\% | 9,666.0 | 11.1 | 0.1\% |
| ME1 | 486128 | 2002 | Below Normal | February | - | 8,397.2 | 8,392.1 | 5.1 | 0.1\% | 8,391.0 | 6.3 | 0.1\% | 8,387.7 | 9.5 | 0.1\% |
| ME1 | 486128 | 2002 | Below Normal | March | - | 7,261.5 | 7,257.3 | 4.2 | 0.1\% | 7,256.5 | 5.0 | 0.1\% | 7,253.9 | 7.5 | 0.1\% |
| ME1 | 486128 | 2002 | Below Normal | April | - | 4,287.6 | 4,273.6 | 14.0 | 0.3\% | 4,270.8 | 16.8 | 0.4\% | 4,262.4 | 25.2 | 0.6\% |
| ME1 | 486128 | 2002 | Below Normal | May |  | 1,141.7 | 1,130.1 | 11.6 | 1.0\% | 1,127.8 | 13.9 | 1.2\% | 1,120.8 | 20.9 | 1.8\% |
| ME1 | 486128 | 2002 | Below Normal | June | - | 193.9 | 180.5 | 13.4 | 6.9\% | 177.8 | 16.0 | 8.3\% | 170.0 | 23.9 | 12.3\% |
| ME1 | 486128 | 2002 | Below Normal | July | - | 57.0 | 47.3 | 9.6 | 16.9\% | 45.4 | 11.6 | 20.3\% | 39.7 | 17.3 | 30.3\% |
| ME1 | 486128 | 2002 | Below Normal | August | - | 51.0 | 41.5 | 9.4 | 18.5\% | 39.6 | 11.3 | 22.2\% | 33.9 | 17.0 | 33.4\% |
| ME1 | 486128 | 2002 | Below Normal | September | Used in Summary Table Analysis | 47.0 | 38.4 | 8.5 | 18.1\% | 36.7 | 10.3 | 21.8\% | 30.6 | 16.4 | 34.9\% |
| ME1 | 486128 | 2003 | Wet | October | Used in Summary Table Analysis | 35.3 | 26.4 | 8.9 | 25.2\% | 24.6 | 10.7 | 30.4\% | 19.1 | 16.2 | 45.9\% |
| ME1 | 486128 | 2003 | Wet | November | Used in Summary Table Analysis | 620.9 | 613.9 | 7.0 | 1.1\% | 612.4 | 8.5 | 1.4\% | 607.9 | 13.0 | 2.1\% |
| ME1 | 486128 | 2003 | Wet | December | - | 29,795.1 | 29,789.4 | 5.8 | 0.0\% | 29,788.2 | 6.9 | 0.0\% | 29,784.7 | 10.4 | 0.0\% |
| ME1 | 486128 | 2003 | wet | January | - | 7,612.6 | 7,607.6 | 5.0 | 0.1\% | 7,606.6 | 6.0 | 0.1\% | 7,603.5 | 9.1 | 0.1\% |
| ME1 | 486128 | 2003 | Wet | February | - | 5,539.1 | 5,535.0 | 4.2 | 0.1\% | 5,534.1 | 5.0 | 0.1\% | 5,531.5 | 7.6 | 0.1\% |
| ME1 | 486128 | 2003 | Wet | March | - | 11,079.3 | 11,075.7 | 3.6 | 0.0\% | 11,074.9 | 4.4 | 0.0\% | 11,072.6 | 6.7 | 0.1\% |
| ME1 | 486128 | 2003 | Wet | April | - | 21,796.3 | 21,792.8 | 3.5 | 0.0\% | 21,791.7 | 4.6 | 0.0\% | 21,789.4 | 6.9 | 0.0\% |
| ME1 | 486128 | 2003 | wet | May | - | 2,085.1 | 2,071.2 | 13.9 | 0.7\% | 2,068.5 | 16.6 | 0.8\% | 2,060.2 | 24.9 | 1.2\% |
| ME1 | 486128 | 2003 | Wet | June | - | 78.6 | 70.7 | 8.0 | 10.1\% | 69.2 | 9.5 | 12.0\% | 64.8 | 13.9 | 17.6\% |
| ME1 | 486128 | 2003 | Wet | July | - | 63.0 | 53.6 | 9.4 | 14.9\% | 51.7 | 11.2 | 17.9\% | 46.2 | 16.7 | 26.6\% |
| ME1 | 486128 | 2003 | Wet | August | - | 64.6 | 53.4 | 11.2 | 17.4\% | 50.6 | 13.9 | 21.6\% | 41.3 | 23.3 | 36.1\% |
| ME1 | 486128 | 2003 | Wet | September | Used in Summary Table Analysis | 49.4 | 41.9 | 7.5 | 15.2\% | 40.3 | 9.0 | 18.3\% | 34.6 | 14.8 | 30.0\% |
| ME1 | 486128 | 2004 | Wet | October | Used in Summary Table Analysis | 36.7 | 29.0 | 7.7 | 21.0\% | 27.4 | 9.3 | 25.4\% | 22.5 | 14.2 | 38.7\% |
| ME1 | 486128 | 2004 | Wet | November | Used in Summary Table Analysis | 4,127.8 | 4,121.5 | 6.3 | 0.2\% | 4,120.1 | 7.6 | 0.2\% | 4,116.1 | 11.7 | 0.3\% |
| ME1 | 486128 | 2004 | Wet | December |  | 18,060.2 | 18,054.4 | 5.8 | 0.0\% | 18,053.2 | 6.9 | 0.0\% | 18,049.8 | 10.4 | 0.1\% |
| ME1 | 486128 | 2004 | Wet | January | - | 10,221.3 | 10,216.9 | 4.4 | 0.0\% | 10,216.0 | 5.3 | 0.1\% | 10,213.1 | 8.2 | 0.1\% |
| ME1 | 486128 | 2004 | Wet | February | - | 17,475.7 | 17,472.2 | 3.5 | 0.0\% | 17,471.1 | 4.6 | 0.0\% | 17,468.8 | 6.9 | 0.0\% |
| ME1 | 486128 | 2004 | Wet | March | - | 4,157.1 | 4,154.1 | 3.0 | 0.1\% | 4,153.5 | 3.6 | 0.1\% | 4,151.4 | 5.7 | 0.1\% |
| ME1 | 486128 | 2004 | Wet | April | - | 3,542.5 | 3,539.9 | 2.5 | 0.1\% | 3,539.4 | 3.1 | 0.1\% | 3,537.6 | 4.9 | 0.1\% |
| ME1 | 486128 | 2004 | Wet | May | - | 1,058.6 | 1,044.9 | 13.6 | 1.3\% | 1,042.2 | 16.3 | 1.5\% | 1,034.1 | 24.5 | 2.3\% |
| ME1 | 486128 | 2004 | Wet | June | - | 68.8 | 61.7 | 7.2 | 10.4\% | 60.3 | 8.6 | 12.4\% | 56.2 | 12.7 | 18.4\% |
| ME1 | 486128 | 2004 | Wet | July | - | 56.2 | 47.1 | 9.1 | 16.2\% | 45.3 | 10.9 | 19.4\% | 39.9 | 16.3 | 29.0\% |
| ME 1 | 486128 | 2004 | Wet | August | -- | 49.7 | 41.0 | 8.7 | 17.4\% | 39.3 | 10.4 | 20.9\% | 34.1 | 15.6 | 31.4\% |
| ME1 | 486128 | 2004 | Wet | September | Used in Summary Table Analysis | 43.6 | 32.5 | 11.1 | 25.4\% | 30.3 | 13.3 | 30.6\% | 23.6 | 20.1 | 46.0\% |
| ME 1 | 486128 | 2005 | Above Normal | October | Used in Summary Table Analysis | 5,807.1 | 5,798.6 | 8.4 | 0.1\% | 5,796.9 | 10.2 | 0.2\% | 5,791.7 | 15.4 | 0.3\% |
| ME 1 | 486128 | 2005 | Above Normal | November | Used in Summary Table Analysis | 961.9 | 955.6 | 6.3 | 0.7\% | 954.3 | 7.6 | 0.8\% | 950.4 | 11.4 | 1.2\% |
| ME 1 | 486128 | 2005 | Above Normal | December |  | 11,843.8 | 11,839.1 | 4.6 | 0.0\% | 11,838.0 | 5.8 | 0.0\% | 11,834.5 | 9.3 | 0.1\% |
| ME 1 | 486128 | 2005 | Above Normal | January | - | 8,378.1 | 8,373.6 | 4.5 | 0.1\% | 8,372.7 | 5.4 | 0.1\% | 8,369.8 | 8.3 | 0.1\% |
| ME 1 | 486128 | 2005 | Above Normal | February |  | 4,637.8 | 4,634.3 | 3.6 | 0.1\% | 4,633.4 | 4.4 | 0.1\% | 4,631.1 | 6.7 | 0.1\% |
| ME1 | 486128 | 2005 | Above Normal | March | - | 14,233.8 | 14,230.3 | 3.5 | 0.0\% | 14,230.3 | 3.5 | 0.0\% | 14,228.0 | 5.8 | 0.0\% |
| ME1 | 486128 | 2005 | Above Normal | April |  | 9,202.3 | 9,199.5 | 2.8 | 0.0\% | 9,199.0 | 3.4 | 0.0\% | 9,197.2 | 5.1 | 0.1\% |
| ME 1 | 486128 | 2005 | Above Normal | May | - | 8,498.4 | 8,883.9 | 14.5 | 0.2\% | 8,481.0 | 17.4 | 0.2\% | 8,472.5 | 25.9 | 0.3\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 00\% Pumping Increas |  |  | 00\% Pur |  |  | 80\%\% Pumping ncrease |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (ffs) |  | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| me 1 | 486128 | 2005 | Above Normal |  | June | - | 6,358.1 | 6,340.4 | 17.7 | 0.3\% | 6,336.9 | 21.2 | 0.3\% | 6,326.6 | 31.5 | 0.5\% |
| ME1 | 486128 | 2005 | Above Normal | July | - | 91.3 | 80.4 | 10.9 | 11.9\% | 78.8 | 12.5 | 13.7\% | 73.9 | 17.4 | 19.\% |
| ME1 | 486128 | 2005 | Above Normal | August | - | 65.2 | 56.8 | 8.5 | 13.0\% | 55.1 | 10.1 | 15.5\% | 50.2 | 15.1 | 23.1\% |
| ME1 | 486128 | 2005 | Above Normal | September | Used in Summary Table Analysis | 55.4 | 47.9 | 7.5 | 13.5\% | 46.4 | 9.0 | 16.2\% | 41.9 | 13.5 | 24.3\% |
| ME1 | 486128 | 2006 | Wet | October | Used in Summary Table Analysis | 248.9 | 241.2 | 7.8 | 3.1\% | 239.6 | 9.4 | 3.8\% | 234.7 | 14.2 | 5.7\% |
| ME1 | 486128 | 2006 | Wet | November | Used in Summary Table Analysis | 6,511.1 | 6,505.3 | 5.8 | 0.1\% | 6,504.2 | 6.9 | 0.1\% | 6,500.5 | 10.6 | 0.2\% |
| ME1 | 486128 | 2006 | Wet | December |  | 20,006.9 | 20,001.2 | 5.8 | 0.0\% | 20,000.0 | 6.9 | 0.0\% | 19,996.5 | 10.4 | 0.1\% |
| ME 1 | 486128 | 2006 | Wet | January | - | 16,886.6 | 16,881.9 | 4.6 | 0.0\% | 16,880.8 | 5.8 | 0.0\% | 16,878.5 | 8.1 | 0.0\% |
| ME1 | 486128 | 2006 | Wet | February | - | 9,316.0 | 9,312.4 | 3.6 | 0.0\% | 9,311.7 | 4.3 | 0.0\% | 9,309.4 | 6.6 | 0.1\% |
| ME1 | 486128 | 2006 | Wet | March | - | 23,204.9 | 23,201.4 | 3.5 | 0.0\% | 23,200.2 | 4.6 | 0.0\% | 23,197.9 | 6.9 | 0.0\% |
| ME1 | 486128 | 2006 | Wet | April | - | 11,477.3 | 11,474.7 | 2.7 | 0.0\% | 11,474.1 | 3.2 | 0.0\% | 11,472.6 | 4.7 | 0.0\% |
| ME1 | 486128 | 2006 | Wet | May | - | 4,638.8 | 4,634.0 | 4.7 | 0.1\% | 4,633.1 | 5.7 | 0.1\% | 4,630.3 | 8.4 | 0.2\% |
| ME 1 | 486128 | 2006 | wet | June | - | 562.5 | 547.7 | 14.8 | 2.6\% | 544.9 | 17.6 | 3.1\% | 536.5 | 26.0 | 4.6\% |
| ME1 | 486128 | 2006 | Wet | July | - | 75.1 | 66.3 | 8.8 | 11.8\% | 64.6 | 10.5 | 14.0\% | 59.7 | 15.4 | 20.6\% |
| ME1 | 486128 | 2006 | Wet | August | - | 61.1 | 52.5 | 8.6 | 14.0\% | 50.8 | 10.2 | 16.8\% | 45.8 | 15.3 | 25.0\% |
| ME1 | 486128 | 2006 | Wet | September | Used in Summary Table Analysis | 53.7 | 46.3 | 7.4 | 13.8\% | 44.8 | 8.9 | 16.5\% | 40.3 | 13.4 | 24.9\% |
| ME1 | 486128 | 2007 | Above Normal | October | Used in Summary Table Analysis | 44.4 | 36.7 | 7.7 | 17.3\% | 35.1 | 9.2 | 20.8\% | 30.3 | 14.1 | 31.7\% |
| ME1 | 486128 | 2007 | Above Normal | November | Used in Summary Table Analysis | 5,895.4 | 5,888.9 | 6.5 | 0.1\% | 5,887.5 | 7.9 | 0.1\% | 5,883.3 | 12.0 | 0.2\% |
| ME1 | 486128 | 2007 | Above Normal | December | - | 10,887.2 | 10,881.4 | 5.8 | 0.1\% | 10,880.2 | 6.9 | 0.1\% | 10,876.5 | 10.6 | 0.1\% |
| ME1 | 486128 | 2007 | Above Normal | January | - | 2,469.3 | 2,464.9 | 4.4 | 0.2\% | 2,464.0 | 5.3 | 0.2\% | 2,461.2 | 8.1 | 0.3\% |
| ME1 | 486128 | 2007 | Above Normal | February | - | 17,635.4 | 17,630.8 | 4.6 | 0.0\% | 17,629.6 | 5.8 | 0.0\% | 17,627.3 | 8.1 | 0.0\% |
| ME1 | 486128 | 2007 | Above Normal | March | - | 5,055.1 | 5,052.0 | 3.1 | 0.1\% | 5,051.3 | 3.8 | 0.1\% | 5,049.2 | 5.9 | 0.1\% |
| ME1 | 486128 | 2007 | Above Normal | April | - | 6,495.5 | 6,481.9 | 13.5 | 0.2\% | 6,479.2 | 16.3 | 0.3\% | 6,470.9 | 24.5 | 0.4\% |
| ME1 | 486128 | 2007 | Above Normal | May | - | 1,269.0 | 1,258.0 | 11.0 | 0.9\% | 1,255.8 | 13.2 | 1.0\% | 1,249.1 | 19.9 | 1.6\% |
| ME1 | 486128 | 2007 | Above Normal | June |  | 459.3 | 443.4 | 15.8 | 3.5\% | 440.3 | 19.0 | 4.1\% | 431.1 | 28.2 | 6.1\% |
| ME1 | 486128 | 2007 | Above Normal | July | - | 107.6 | 96.1 | 11.5 | 10.7\% | 93.9 | 13.7 | 12.8\% | 87.1 | 20.5 | 19.\% |
| ME1 | 486128 | 2007 | Above Normal | August | - | 53.9 | 45.0 | 8.9 | 16.5\% | 43.2 | 10.7 | 19.8\% | 37.9 | 16.0 | 29.6\% |
| ME1 | 486128 | 2007 | Above Normal | September | Used in Summary Table Analysis | 49.0 | 40.9 | 8.2 | 16.5\% | 39.2 | 9.8 | 20.0\% | 34.2 | 14.8 | 30.2\% |
| ME1 | 486128 | 2008 | Dry | October | Used in Summary Table Analysis | 2,923,5 | 2,914.8 | 8.7 | 0.3\% | 2,913.1 | 10.4 | 0.4\% | 2,907.8 | 15.7 | 0.5\% |
| ME1 | 486128 | 2008 | Dry | November | Used in Summary Table Analysis | 2,159.6 | 2,153.1 | 6.5 | 0.3\% | 2,151.9 | 7.8 | 0.4\% | 2,147.8 | 11.8 | 0.5\% |
| ME1 | 486128 | 2008 | Dry | December | - | 14,219.9 | 14,214.1 | 5.8 | 0.0\% | 14,213.0 | 6.9 | 0.0\% | 14,209.5 | 10.4 | 0.1\% |
| ME1 | 486128 | 2008 | Dry | January | - | 15,909.7 | 15,905.1 | 4.6 | 0.0\% | 15,903.9 | 5.8 | 0.0\% | 15,900.5 | 9.3 | 0.1\% |
| ME1 | 486128 | 2008 | Dry | February | - | 6,502.7 | 6,499.0 | 3.7 | 0.1\% | 6,498.1 | 4.5 | 0.1\% | 6,495.6 | 7.1 | 0.1\% |
| ME1 | 486128 | 2008 | Dry | March | - | 3,171.1 | 3,167.9 | 3.1 | 0.1\% | 3,167.2 | 3.8 | 0.1\% | 3,165.3 | 5.8 | 0.2\% |
| ME1 | 486128 | 2008 | Dry | April | - | 4,326.6 | 4,311.0 | 15.6 | 0.4\% | 4,307.9 | 18.8 | 0.4\% | 4,298.4 | 28.2 | 0.7\% |
| ME1 | 486128 | 2008 | Dry | May | - | 75.4 | 68.5 | 6.9 | 9.2\% | 67.4 | 8.1 | 10.7\% | 63.9 | 11.5 | 15.2\% |
| ME1 | 486128 | 2008 | Dry | June | - | 76.0 | 59.7 | 16.3 | 21.4\% | 56.5 | 19.5 | 25.7\% | 46.7 | 29.3 | 38.5\% |
| ME1 | 486128 | 2008 | Dry | July | - | 48.4 | 36.9 | 11.5 | 23.8\% | 34.6 | 13.8 | 28.5\% | 27.8 | 20.6 | 42.6\% |
| ME1 | 486128 | 2008 | Dry | August | - | 45.0 | 33.6 | 11.3 | 25.2\% | 31.4 | 13.6 | 30.3\% | 21.6 | 23.4 | 52.0\% |
| ME1 | 486128 | 2008 | Dry | September | Used in Summary Table Analysis | 33.8 | 19.4 | 14.3 | 42.4\% | 16.6 | 17.2 | 50.9\% | 8.0 | 25.8 | 76.3\% |
| ME1 | 486128 | 2009 | Critical | October | Used in Summary Table Analysis | 652.6 | 641.9 | 10.7 | 1.6\% | 639.7 | 12.9 | 2.0\% | 632.9 | 19.7 | 3.0\% |
| ME1 | 486128 | 2009 | Critical | November | Used in Summary Table Analysis | 3,874.8 | 3,866.8 | 8.0 | 0.2\% | 3,865.2 | 9.6 | 0.2\% | 3,860.2 | 14.6 | 0.4\% |
| ME 1 | 486128 | 2009 | Critical | December | - | 7,184.4 | 7,177.3 | 7.1 | 0.1\% | 7,176.0 | 8.3 | 0.1\% | 7,172.0 | 12.4 | 0.2\% |
| ME1 | 486128 | 2009 | Critical | January | - | 4,435.0 | 4,429.3 | 5.7 | 0.1\% | 4,428.2 | 6.7 | 0.2\% | 4,424.8 | 10.2 | 0.2\% |
| ME1 | 486128 | 2009 | Critical | February | - | 13,541.7 | 13,537.0 | 4.6 | 0.0\% | 13,535.9 | 5.8 | 0.0\% | 13,532.4 | 9.3 | 0.1\% |
| ME1 | 486128 | 2009 | Critical | March | - | 11,012.7 | 11,008.7 | 4.1 | 0.0\% | 11,007.9 | 4.9 | 0.0\% | 11,005.3 | 7.4 | 0.1\% |
| ME1 | 486128 | 2009 | Critical | April | - | 4,801.4 | 4,785.2 | 16.2 | 0.3\% | 4,782.1 | 19.3 | 0.4\% | 4,772.3 | 29.1 | 0.6\% |
| ME1 | 486128 | 2009 | Critical | May | - | 10,363.4 | 10,348.6 | 14.8 | 0.1\% | 10,345.8 | 17.6 | 0.2\% | 10,336.9 | 26.5 | 0.3\% |
| ME1 | 486128 | 2009 | Critical | June | - | 336.7 | 317.3 | 19.3 | 5.7\% | 313.7 | 22.9 | 6.8\% | 302.5 | 34.1 | 10.1\% |
| ME1 | 486128 | 2009 | Critical | July | - | 68.7 | 57.4 | 11.3 | 16.4\% | 55.2 | 13.4 | 19.6\% | 48.7 | 20.0 | 29.1\% |
| ME1 | 486128 | 2009 | Critical | August | - | 54.8 | 43.6 | 11.2 | 20.5\% | 41.3 | 13.4 | 24.5\% | 34.6 | 20.1 | 36.8\% |
| ME1 | 486128 | 2009 | Critical | September | Used in Summary Table Analysis | 48.8 | 38.7 | 10.1 | 20.7\% | 36.6 | 12.1 | 24.9\% | 30.5 | 18.3 | 37.5\% |
| ME1 | 486128 | 2010 | Below Normal | October | Used in Summary Table Analysis | 5,090.3 | 5,080.0 | 10.3 | 0.2\% | 5,077.8 | 12.5 | 0.2\% | 5,070.5 | 19.8 | 0.4\% |
| ME1 | 486128 | 2010 | Below Normal | November | Used in Summary Table Analysis | 6,068.9 | 6,060.6 | 8.2 | 0.1\% | 6,059.0 | 9.8 | 0.2\% | 6,053.9 | 14.9 | 0.2\% |
| ME1 | 486128 | 2010 | Below Normal | December |  | 6,273.8 | 6,267.0 | 6.8 | 0.1\% | 6,265.7 | 8.1 | 0.1\% | 6,261.6 | 12.3 | 0.2\% |
| ME1 | 486128 | 2010 | Below Normal | January | - | 18,039.4 | 18,03, 6 | 5.8 | 0.0\% | 18,032.4 | 6.9 | 0.0\% | 18,028.9 | 10.4 | 0.1\% |
| ME1 | 486128 | 2010 | Below Normal | February |  | 11,623.8 | 11,619.2 | 4.6 | 0.0\% | 11,618.1 | 5.8 | 0.0\% | 11,614.6 | 9.3 | 0.1\% |
| ME1 | 486128 | 2010 | Below Normal | March | - | 15,967.6 | 15,963.0 | 4.6 | 0.0\% | 15,963.0 | 4.6 | 0.0\% | 15,959.5 | 8.1 | 0.1\% |
| ME1 | 486128 | 2010 | Below Normal | April | - | 22,789.4 | 22,785.9 | 3.5 | 0.0\% | 22,784.7 | 4.6 | 0.0\% | 22,782.4 | 6.9 | 0.0\% |
| ME1 | 486128 | 2010 | Below Normal | May | - | 6,408.3 | 6,393.4 | 14.9 | 0.2\% | 6,390.6 | 17.7 | 0.3\% | 6,381.9 | 26.4 | 0.4\% |
| ME1 | 486128 | 2010 | Below Normal | June | - | 3,612.6 | 3,594.6 | 18.1 | 0.5\% | 3,591.1 | 21.5 | 0.6\% | 3,580.4 | 32.2 | 0.9\% |
| ME1 | 486128 | 2010 | Below Normal | July | - | 88.2 | 77.7 | 10.5 | 11.9\% | 75.9 | 12.3 | 13.9\% | 70.7 | 17.5 | 19.8\% |
| ME 1 | 486128 | 2010 | Below Normal | August | - | 66.8 | 57.9 | 8.9 | 13.3\% | 56.2 | 10.6 | 15.9\% | 51.0 | 15.8 | 23.6\% |
| ME 1 | 486128 | 2010 | Below Normal | September | Used in Summary Table Analysis | 320.7 | 309.0 | 11.7 | 3.6\% | 306.6 | 14.1 | 4.4\% | 29.5 | 21.1 | 6.6\% |

Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interes | Model Cell(Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | 0\% Pumping Inc |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\underset{\substack{\text { Difforencence } \\ \text { (ffs) }}}{\text { Fole }}$ | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference |
| ME1 | 486128 | 2011 | Wet |  | October | Used in Summary Table Analysis | 7,138.7 | 7,130.8 | 7.9 | 0.1\% | 7,129.2 | 9.5 | 0.1\% | 7,124.4 | 14.2 | 0.2\% |
| ME1 | 486128 | 2011 | Wet | November | Used in Summary Table Analysis | 6,155.2 | 6,149.0 | 6.3 | 0.1\% | 6,147.6 | 7.6 | 0.1\% | 6,143.6 | 11.6 | 0.2\% |
| ME1 | 486128 | 2011 | Wet | December - | - | 17,456.0 | 17,451.4 | 4.6 | 0.0\% | 17,449.1 | 6.9 | 0.0\% | 17,445.6 | 10.4 | 0.1\% |
| ME1 | 486128 | 2011 | Wet | January | - | 3,461.1 | 3,457.4 | 3.7 | 0.1\% | 3,456.6 | 4.5 | 0.1\% | 3,453.9 | 7.2 | 0.2\% |
| ME1 | 486128 | 2011 | Wet | February | - | 10,692.9 | 10,689.2 | 3.7 | 0.0\% | 10,688.4 | 4.5 | 0.0\% | 10,685.9 | 7.1 | 0.1\% |
| ME1 | 486128 | 2011 | Wet | March | - | 28,608.8 | 28,605.3 | 3.5 | 0.0\% | 28,605.3 | 3.5 | 0.0\% | 28,603.0 | 5.8 | 0.0\% |
| ME1 | 486128 | 2011 | Wet | April | - | 11,049.4 | 11,046.5 | 2.9 | 0.0\% | 11,046.1 | 3.4 | 0.0\% | 11,044.1 | 5.3 | 0.0\% |
| ME1 | 486128 | 2011 | wet | May | - | 4,800.1 | 4,786.2 | 13.9 | 0.3\% | 4,783.4 | 16.7 | 0.3\% | 4,775.1 | 25.0 | 0.5\% |
| ME1 | 486128 | 2011 | Wet | June | - | 3,130,9 | 3,113.2 | 17.7 | 0.6\% | 3,109.6 | 21.3 | 0.7\% | 3,099.2 | 31.7 | 1.0\% |
| ME1 | 486128 | 2011 | Wet | July | - | 215.0 | 199.5 | 15.5 | 7.2\% | 196.6 | 18.5 | 8.5\% | 189.1 | 26.0 | 12.1\% |
| ME1 | 486128 | 2011 | Wet | August | - | 65.6 | 57.1 | 8.4 | 12.9\% | 55.5 | 10.1 | 15.4\% | 50.5 | 15.1 | 23.0\% |
| ME1 | 486128 | 2011 | Wet | September | Used in Summary Table Analysis | 55.3 | 47.9 | 7.4 | 13.4\% | 46.4 | 8.9 | 16.1\% | 41.9 | 13.4 | 24.2\% |
| ME1 | 486128 | 2012 | Below Normal | October | Used in Summary Table Analysis | 3,523.8 | 3,516.3 | 7.5 | 0.2\% | 3,514.8 | 9.0 | 0.3\% | 3,510.0 | 13.9 | 0.4\% |
| ME1 | 486128 | 2012 | Below Normal | November | Used in Summary Table Analysis | 4,810.8 | 4,804.6 | 6.1 | 0.1\% | 4,803.4 | 7.4 | 0.2\% | 4,799.5 | 11.2 | 0.2\% |
| ME1 | 486128 | 2012 | Below Normal | December - |  | 1,955.9 | 1,950.9 | 5.0 | 0.3\% | 1,949.9 | 6.0 | 0.3\% | 1,946.8 | 9.1 | 0.5\% |
| ME1 | 486128 | 2012 | Below Normal | January | - | 11,418.8 | 11,414.6 | 4.2 | 0.0\% | 11,413.5 | 5.2 | 0.0\% | 11,410.6 | 8.1 | 0.1\% |
| ME1 | 486128 | 2012 | Below Normal | February |  | 6,648.4 | 6,64.9 | 3.5 | 0.1\% | 6,644.1 | 4.3 | 0.1\% | 6,641.8 | 6.6 | 0.1\% |
| ME 1 | 486128 | 2012 | Below Normal | March | - | 25,101.9 | 25,098.4 | 3.5 | 0.0\% | 25,098.4 | 3.5 | 0.0\% | 25,096.1 | 5.8 | 0.0\% |
| ME1 | 486128 | 2012 | Below Normal | April | - | 12,497.7 | 12,494.2 | 3.5 | 0.0\% | 12,494.2 | 3.5 | 0.0\% | 12,491.9 | 5.8 | 0.0\% |
| ME1 | 486128 | 2012 | Below Normal | May | - | 2,045.4 | 2,031.4 | 14.0 | 0.7\% | 2,028.6 | 16.8 | 0.8\% | 2,020.4 | 25.0 | 1.2\% |
| ME1 | 486128 | 2012 | Below Normal | June | - | 3,034.1 | 3,016.3 | 17.8 | 0.6\% | 3,012.7 | 21.4 | 0.7\% | 3,002.4 | 31.7 | 1.0\% |
| ME1 | 486128 | 2012 | Below Normal | July | - | 1,081.3 | 1,065.5 | 15.8 | 1.5\% | 1,062.4 | 18.9 | 1.7\% | 1,053.5 | 27.9 | 2.6\% |
| ME1 | 486128 | 2012 | Below Normal | August | - | 72.2 | 63.9 | 8.3 | 11.5\% | 62.3 | 9.9 | 13.7\% | 57.5 | 14.7 | 20.4\% |
| ME1 | 486128 | 2012 | Below Normal | September | Used in Summary Table Analysis | 59.1 | 51.6 | 7.5 | 12.7\% | 50.1 | 9.0 | 15.2\% | 45.7 | 13.4 | 22.7\% |
| ME1 | 486128 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,481.0 | 1,472.8 | 8.2 | 0.6\% | 1,471.1 | 10.0 | 0.7\% | 1,466.0 | 15.0 | 1.0\% |
| ME1 | 486128 | 2013 | Below Normal | November | Used in Summary Table Analysis | 9,471.1 | 9,464.6 | 6.5 | 0.1\% | 9,463.2 | 7.9 | 0.1\% | 9,459.1 | 11.9 | 0.1\% |
| ME1 | 486128 | 2013 | Below Normal | December - |  | 32,061.3 | 32,055.6 | 5.8 | 0.0\% | 32,054.4 | 6.9 | 0.0\% | 32,049.8 | 11.6 | 0.0\% |
| ME1 | 486128 | 2013 | Below Normal | January | - | 4,815.9 | 4,811.6 | 4.3 | 0.1\% | 4,810.5 | 5.3 | 0.1\% | 4,807.8 | 8.1 | 0.2\% |
| ME1 | 486128 | 2013 | Below Normal | February | - | 3,064.5 | 3,060.5 | 3.9 | 0.1\% | 3,059.7 | 4.7 | 0.2\% | 3,057.2 | 7.3 | 0.2\% |
| ME1 | 486128 | 2013 | Below Normal | March | - | 5,628.8 | 5,625.6 | 3.2 | 0.1\% | 5,624.9 | 3.9 | 0.1\% | 5,622.8 | 6.0 | 0.1\% |
| ME1 | 486128 | 2013 | Below Normal | April | - | 4,390.7 | 4,377.5 | 13.2 | 0.3\% | 4,374.8 | 16.0 | 0.4\% | 4,366.8 | 24.0 | 0.5\% |
| ME1 | 486128 | 2013 | Below Normal | May | - | 2,269.2 | 2,258.1 | 11.1 | 0.5\% | 2,255.8 | 13.4 | 0.6\% | 2,249.2 | 20.0 | 0.9\% |
| ME1 | 486128 | 2013 | Below Normal | June |  | 1,010.5 | 994.7 | 15.8 | 1.6\% | 991.6 | 18.9 | 1.9\% | 982.3 | 28.2 | 2.8\% |
| ME1 | 486128 | 2013 | Below Normal | July | - | 68.2 | 59.2 | 9.0 | 13.2\% | 57.4 | 10.8 | 15.8\% | 52.1 | 16.1 | 23.6\% |
| ME1 | 486128 | 2013 | Below Normal | August | - | 55.5 | 46.4 | 9.0 | 16.3\% | 44.6 | 10.9 | 19.6\% | 39.2 | 16.3 | 29.4\% |
| ME1 | 486128 | 2013 | Below Normal | September | Used in Summary Table Analysis | 3,826.7 | 3,814.0 | 12.7 | 0.3\% | 3,811.5 | 15.3 | 0.4\% | 3,803.7 | 23.0 | 0.6\% |
| ME1 | 486128 | 2014 | Critical | October | Used in Summary Table Analysis | 88.9 | 80.6 | 8.3 | 9.3\% | 79.0 | 10.0 | 11.2\% | 74.7 | 14.2 | 16.0\% |
| ME1 | 486128 | 2014 | Critical | November | Used in Summary Table Analysis | 1,146.9 | 1,140.4 | 6.5 | 0.6\% | 1,139.1 | 7.8 | 0.7\% | 1,135.0 | 11.8 | 1.0\% |
| ME1 | 486128 | 2014 | Critical | December - |  | 916.0 | 910.8 | 5.2 | 0.6\% | 909.7 | 6.3 | 0.7\% | 906.4 | 9.6 | 1.0\% |
| ME1 | 486128 | 2014 | Critical | January | - | 1,813.8 | 1,809.4 | 4.4 | 0.2\% | 1,808.4 | 5.3 | 0.3\% | 1,805.8 | 8.0 | 0.4\% |
| ME1 | 486128 | 2014 | Critical | February - | - | 9,864.4 | 9,860.4 | 3.9 | 0.0\% | 9,859.6 | 4.7 | 0.0\% | 9,856.8 | 7.5 | 0.1\% |
| ME1 | 486128 | 2014 | Critical | March | - | 14,825.2 | 14,821.8 | 3.5 | 0.0\% | 14,820.6 | 4.6 | 0.0\% | 14,818.3 | 6.9 | 0.0\% |
| ME1 | 486128 | 2014 | Critical | April | - | 3,624.4 | 3,608.9 | 15.5 | 0.4\% | 3,605.9 | 18.5 | 0.5\% | 3,596.5 | 27.9 | 0.8\% |
| ME1 | 486128 | 2014 | Critical | May | - | 1,849.9 | 1,836.7 | 13.2 | 0.7\% | 1,834.1 | 15.7 | 0.9\% | 1,826.3 | 23.6 | 1.3\% |
| ME1 | 486128 | 2014 | Critical | June | - | 120.8 | 102.0 | 18.8 | 15.6\% | 98.3 | 22.6 | 18.7\% | 87.9 | 32.9 | 27.2\% |
| ME1 | 486128 | 2014 | Critical | July | - | 57.3 | 46.2 | 11.2 | 19.5\% | 44.0 | 13.4 | 23.3\% | 37.3 | 20.1 | 35.0\% |
| ME1 | 486128 | 2014 | Critical | August | - | 50.1 | 38.9 | 11.2 | 22.3\% | 36.7 | 13.4 | 26.8\% | 30.0 | 20.2 | 40.2\% |
| ME1 | 486128 | 2014 | Critical | September | Used in Summary Table Analysis | 2,100.0 | 2,084.5 | 15.5 | 0.7\% | 2,081.5 | 18.5 | 0.9\% | 2,072.1 | 27.9 | 1.3\% |
| ME1 | 486128 | 2015 | Dry | October | Used in Summary Table Analysis | 8,240.5 | 8,228.9 | 11.6 | 0.1\% | 8,226.9 | 13.7 | 0.2\% | 8,220.6 | 19.9 | 0.2\% |
| ME1 | 486128 | 2015 | Dry | November | Used in Summary Table Analysis | 4,155.9 | 4,147.9 | 8.0 | 0.2\% | 4,146.3 | 9.6 | 0.2\% | 4,141.4 | 14.5 | 0.3\% |
| ME1 | 486128 | 2015 | Dry | December - |  | 15,250.0 | 15,243.1 | 6.9 | 0.0\% | 15,241.9 | 8.1 | 0.1\% | 15,237.3 | 12.7 | 0.1\% |
| ME1 | 486128 | 2015 | Dry | January |  | 2,397.3 | 2,392.0 | 5.3 | 0.2\% | 2,390.9 | 6.5 | 0.3\% | 2,387.5 | 9.8 | 0.4\% |
| ME1 | 486128 | 2015 | Dry | February | - | 15,054.4 | 15,049.8 | 4.6 | 0.0\% | 15,048.6 | 5.8 | 0.0\% | 15,046.3 | 8.1 | 0.1\% |
| ME1 | 486128 | 2015 | Dry | March | - | 4,137.6 | 4,134.0 | 3.6 | 0.1\% | 4,133.2 | 4.4 | 0.1\% | 4,130.9 | 6.7 | 0.2\% |
| ME1 | 486128 | 2015 | Dry | April | - | 4,484.1 | 4,468.1 | 16.1 | 0.4\% | 4,464.8 | 19.3 | 0.4\% | 4,455.2 | 28.9 | 0.6\% |
| ME1 | 486128 | 2015 | Dry | May | - | 141.5 | 128.3 | 13.2 | 9.3\% | 125.8 | 15.7 | 11.1\% | 119.1 | 22.3 | 15.8\% |
| ME1 | 486128 | 2015 | Dry | June | - | 175.5 | 158.9 | 16.6 | 9.5\% | 155.6 | 19.9 | 11.4\% | 145.6 | 29.9 | 17.0\% |
| ME1 | 486128 | 2015 | Dry | July | - | 53.3 | 41.7 | 11.6 | 21.8\% | 39.4 | 13.9 | 26.2\% | 32.5 | 20.9 | 39.1\% |
| ME1 | 486128 | 2015 | Dry | August | - | 47.8 | 36.4 | 11.4 | 23.9\% | 34.1 | 13.7 | 28.7\% | 27.2 | 20.6 | 43.1\% |
| ME1 | 486128 | 2015 | Dry | September | Used in Summary Table Analysis | 46.2 | 33.3 | 12.9 | 28.0\% | 30.4 | 15.9 | 34.3\% | 21.5 | 24.7 | 53.4\% |
| ME1 | 486128 | 2016 | Above Normal | October | Used in Summary Table Analysis | 38.1 | 25.0 | 13.1 | 34.4\% | 22.7 | 15.3 | 40.3\% | 16.0 | 22.1 | 58.0\% |
| ME1 | 486128 | 2016 | Above Normal | November | Used in Summary Table Analysis | 2,983.0 | 2,974.9 | 8.1 | 0.3\% | 2,973.1 | 9.8 | 0.3\% | 2,968.1 | 14.9 | 0.5\% |
| ME1 | 486128 | 2016 | Above Normal | December |  | 19,809.0 | 19,802.1 | 6.9 | 0.0\% | 19,799.8 | 9.3 | 0.0\% | 19,796.3 | 12.7 | 0.1\% |
| ME1 | 486128 | 2016 | Above Normal | January - |  | 20,895.8 | 20,890.0 | 5.8 | 0.0\% | 20,888.9 | 6.9 | 0.0\% | 20,884.3 | 11.6 | 0.1\% |

thy Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) |  |  |  | Sour |  |  | ( |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cts) |  | Flow Difference (cfs) | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME1 | 486128 | 2016 | Above Normal |  | February | - | 5,498.6 | 5,494.1 | 4.5 | 0.1\% | 5,493.2 | 5.4 | 0.1\% | 5,490.3 | 8.3 | 0.2\% |
| ME1 | 486128 | 2016 | Above Normal | March | - | 20,233.8 | 20,299.2 | 4.6 | 0.0\% | 20,228.0 | 5.8 | 0.0\% | 20,225.7 | 8.1 | 0.0\% |
| ME1 | 486128 | 2016 | Above Normal | April | - | 5,678.8 | 5,675.5 | 3.4 | 0.1\% | 5,674.9 | 3.9 | 0.1\% | 5,672.7 | 6.1 | 0.1\% |
| ME1 | 486128 | 2016 | Above Normal | May | - | 1,244.7 | 1,239.7 | 5.0 | 0.4\% | 1,238.7 | 6.0 | 0.5\% | 1,235.4 | 9.3 | 0.7\% |
| ME1 | 486128 | 2016 | Above Normal | June | - | 80.5 | 69.2 | 11.2 | 14.0\% | 68.0 | 12.4 | 15.5\% | 64.7 | 15.8 | 19.6\% |
| ME1 | 486128 | 2016 | Above Normal | July | - | 60.4 | 51.2 | 9.2 | 15.2\% | 49.4 | 11.0 | 18.2\% | 44.1 | 16.3 | 26.9\% |
| ME1 | 486128 | 2016 | Above Normal | August | - | 51.7 | 42.8 | 8.9 | 17.2\% | 41.0 | 10.7 | 20.6\% | 35.8 | 15.9 | 30.7\% |
| ME1 | 486128 | 2016 | Above Normal | September | Used in Summary Table Analysis | 47.9 | 37.7 | 10.2 | 21.3\% | 35.5 | 12.4 | 26.0\% | 28.8 | 19.1 | 39.8\% |
| ME1 | 486128 | 2017 | wet | October | Used in Summary Table Analysis | 12,855.3 | 12,846.1 | 9.3 | 0.1\% | 12,843.8 | 11.6 | 0.1\% | 12,839.1 | 16.2 | 0.1\% |
| ME1 | 486128 | 2017 | Wet | November | Used in Summary Table Analysis | 7,398.1 | 7,391.6 | 6.6 | 0.1\% | 7,390.2 | 8.0 | 0.1\% | 7,386.3 | 11.8 | 0.2\% |
| ME 1 | 486128 | 2017 | Wet | December - | - | 9,449.3 | 9,443.9 | 5.4 | 0.1\% | 9,442.7 | 6.6 | 0.1\% | 9,439.2 | 10.1 | 0.1\% |
| ME1 | 486128 | 2017 | Wet | January | - | 35,086.8 | 35,082.2 | 4.6 | 0.0\% | 35,081.0 | 5.8 | 0.0\% | 35,077.5 | 9.3 | 0.0\% |
| ME1 | 486128 | 2017 | Wet | February | - | 33,828.7 | 33,825.2 | 3.5 | 0.0\% | 33,824.1 | 4.6 | 0.0\% | 33,821.8 | 6.9 | 0.0\% |
| ME1 | 486128 | 2017 | wet | March | - | 6,441.1 | 6,437.8 | 3.2 | 0.1\% | 6,437.2 | 3.9 | 0.1\% | 6,435.1 | 6.0 | 0.1\% |
| ME1 | 486128 | 2017 | Wet | April | - | 8,151.6 | 8,149.1 | 2.5 | 0.0\% | 8,148.5 | 3.1 | 0.0\% | 8,146.8 | 4.9 | 0.1\% |
| ME1 | 486128 | 2017 | wet | May | - | 193.3 | 188.6 | 4.6 | 2.4\% | 187.7 | 5.5 | 2.9\% | 184.8 | 8.4 | 4.4\% |
| ME1 | 486128 | 2017 | Wet | June | - | 183.1 | 168.7 | 14.4 | 7.9\% | 165.8 | 17.3 | 9.4\% | 157.3 | 25.8 | 14.1\% |
| ME1 | 486128 | 2017 | Wet | July | - | 56.4 | 47.7 | 8.7 | 15.5\% | 46.0 | 10.5 | 18.5\% | 41.0 | 15.5 | 27.4\% |
| ME1 | 486128 | 2017 | Wet | August | - | 51.8 | 43.2 | 8.6 | 16.6\% | 41.5 | 10.3 | 19.9\% | 36.4 | 15.5 | 29.8\% |
| ME1 | 486128 | 2017 | wet | September | Used in Summary Table Analysis | 47.1 | 36.3 | 10.8 | 23.0\% | 34.1 | 13.0 | 27.7\% | 27.5 | 19.6 | 41.5\% |
| ME1 | 486128 | 2018 | Above Normal | October | Used in Summary Table Analysis | 54.8 | 46.6 | 8.2 | 15.0\% | 44.9 | 9.9 | 18.1\% | 39.9 | 14.9 | 27.2\% |
| ME1 | 486128 | 2018 | Above Normal | November | Used in Summary Table Analysis | 7,147.7 | 7,141.7 | 6.0 | 0.1\% | 7,140.4 | 7.3 | 0.1\% | 7,136.6 | 11.1 | 0.2\% |
| ME1 | 486128 | 2018 | Above Normal | December - |  | 614.8 | 610.1 | 4.8 | 0.8\% | 609.1 | 5.8 | 0.9\% | 606.0 | 8.8 | 1.4\% |
| ME1 | 486128 | 2018 | Above Normal | January | - | 9,058.8 | 9,054.6 | 4.2 | 0.0\% | $9,053.7$ | 5.1 | 0.1\% | 9,051.2 | 7.6 | 0.1\% |
| ME1 | 486128 | 2018 | Above Normal | February | - | 729.1 | 725.8 | 3.3 | 0.5\% | 725.0 | 4.1 | 0.6\% | 722.8 | 6.3 | 0.9\% |
| ME1 | 486128 | 2018 | Above Normal | March | - | 9,582.8 | 9,579.7 | 3.0 | 0.0\% | 9,579.2 | 3.6 | 0.0\% | 9,577.2 | 5.6 | 0.1\% |
| ME1 | 486128 | 2018 | Above Normal | April | - | 17,414.4 | 17,410.9 | 3.5 | 0.0\% | 17,410.9 | 3.5 | 0.0\% | 17,408.6 | 5.8 | 0.0\% |
| ME1 | 486128 | 2018 | Above Normal | May | - | 726.0 | 712.8 | 13.1 | 1.8\% | 710.2 | 15.7 | 2.2\% | 702.1 | 23.8 | 3.3\% |
| ME1 | 486128 | 2018 | Above Normal | June | - | 64.8 | 57.2 | 7.5 | 11.7\% | 55.8 | 9.0 | 13.8\% | 51.5 | 13.2 | 20.4\% |
| ME1 | 486128 | 2018 | Above Normal | July | - | 54.1 | 45.0 | 9.2 | 16.9\% | 43.2 | 11.0 | 20.3\% | 37.7 | 16.4 | 30.3\% |
| ME1 | 486128 | 2018 | Above Normal | August | - | 50.0 | 41.3 | 8.7 | 17.3\% | 39.6 | 10.4 | 20.8\% | 34.3 | 15.6 | 31.2\% |
| ME1 | 486128 | 2018 | Above Normal | September | Used in Summary Table Analysis | 43.5 | 32.5 | 11.0 | 25.2\% | 30.3 | 13.2 | 30.3\% | 23.6 | 19.9 | 45.7\% |
| ME1 | 486128 | 2019 | Below Normal | October | Used in Summary Table Analysis | 58.3 | 49.2 | 9.0 | 15.5\% | 47.4 | 10.9 | 18.7\% | 41.8 | 16.5 | 28.3\% |
| ME1 | 486128 | 2019 | Below Normal | November | Used in Summary Table Analysis | 4,573.7 | 4,567.2 | 6.5 | 0.1\% | 4,565.9 | 7.9 | 0.2\% | 4,561.8 | 11.9 | 0.3\% |
| ME1 | 486128 | 2019 | Below Normal | December - |  | 7,103.8 | 7,098.5 | 5.3 | 0.1\% | 7,097.5 | 6.4 | 0.1\% | 7,094.0 | 9.8 | 0.1\% |
| ME1 | 486128 | 2019 | Below Normal | January | - | 16,232.6 | 16,228.0 | 4.6 | 0.0\% | 16,226.9 | 5.8 | 0.0\% | 16,223.4 | 9.3 | 0.1\% |
| ME1 | 486128 | 2019 | Below Normal | February - | - | 44,789.4 | 44,784.7 | 4.6 | 0.0\% | 44,784.7 | 4.6 | 0.0\% | 44,781.3 | 8.1 | 0.0\% |
| ME1 | 486128 | 2019 | Below Normal | March | - | 10,405.6 | 10,402.2 | 3.4 | 0.0\% | 10,401.5 | 4.1 | 0.0\% | 10,399.4 | 6.1 | 0.1\% |
| ME1 | 486128 | 2019 | Below Normal | April | - | 3,501.0 | 3,498.4 | 2.7 | 0.1\% | 3,497.8 | 3.2 | 0.1\% | 3,496.2 | 4.9 | 0.1\% |
| ME1 | 486128 | 2019 | Below Normal | May | - | 6,640.2 | 6,626.0 | 14.1 | 0.2\% | 6,623.3 | 16.9 | 0.3\% | 6,614.9 | 25.2 | 0.4\% |
| ME1 | 486128 | 2019 | Below Normal | June | - | 81.1 | 72.3 | 8.8 | 10.8\% | 70.9 | 10.2 | 12.6\% | 66.8 | 14.3 | 17.6\% |
| ME1 | 486128 | 2019 | Below Normal | July | - | 64.5 | 55.3 | 9.2 | 14.2\% | 53.5 | 11.0 | 17.0\% | 48.3 | 16.2 | 25.1\% |
| ME1 | 486128 | 2019 | Below Normal | August | - | 54.5 | 45.9 | 8.6 | 15.8\% | 44.1 | 10.3 | 19.0\% | 39.1 | 15.4 | 28.3\% |
| ME1 | 486128 | 2019 | Below Normal | September | Used in Summary Table Analysis | 125.9 | 115.0 | 10.9 | 8.7\% | 112.7 | 13.2 | 10.5\% | 106.1 | 19.8 | 15.7\% |
| ME1 | 486128 | 2020 | Dry | October | Used in Summary Table Analysis | 158.7 | 150.9 | 7.8 | 4.9\% | 149.3 | 9.4 | 5.9\% | 144.4 | 14.2 | 9.0\% |
| ME1 | 486128 | 2020 | Dry | November | Used in Summary Table Analysis | 85.7 | 81.0 | 4.7 | 5.5\% | 80.0 | 5.7 | 6.7\% | 77.0 | 8.7 | 10.2\% |
| ME1 | 486128 | 2020 | Dry | December - | - | 7,868.1 | 7,863.1 | 5.0 | 0.1\% | 7,862.0 | 6.0 | 0.1\% | 7,858.9 | 9.1 | 0.1\% |
| ME1 | 486128 | 2020 | Dry | January | - | 8,997.6 | 8,993.1 | 4.5 | 0.1\% | 8,992.1 | 5.4 | 0.1\% | 8,989.5 | 8.1 | 0.1\% |
| ME1 | 486128 | 2020 | Dry | February | - | 254.6 | 251.2 | 3.4 | 1.4\% | 250.4 | 4.2 | 1.7\% | 248.2 | 6.4 | 2.5\% |
| ME1 | 486128 | 2020 | Dry | March | - | 2,666.4 | 2,663.4 | 3.0 | 0.1\% | 2,662.8 | 3.6 | 0.1\% | 2,660.9 | 5.6 | 0.2\% |
| ME1 | 486128 | 2020 | Dry | April | - | 2,157.2 | 2,141.9 | 15.3 | 0.7\% | 2,138.9 | 18.3 | 0.8\% | 2,129.7 | 27.4 | 1.3\% |
| ME1 | 486128 | 2020 | Dry | May | - | 3,770.8 | 3,757.8 | 13.1 | 0.3\% | 3,755.2 | 15.6 | 0.4\% | 3,747.5 | 23.4 | 0.6\% |
| ME1 | 486128 | 2020 | Dry | June | - | 91.2 | 75.0 | 16.2 | 17.7\% | 72.0 | 19.2 | 21.0\% | 63.0 | 28.1 | 30.8\% |
| ME1 | 486128 | 2020 | Dry | July | - | 54.2 | 43.1 | 11.1 | 20.5\% | 40.8 | 13.3 | 24.6\% | 34.2 | 20.0 | 36.9\% |
| ME1 | 486128 | 2020 | Dry | August | - | 47.4 | 36.3 | 11.1 | 23.5\% | 34.0 | 13.4 | 28.2\% | 27.3 | 20.1 | 42.4\% |
| ME1 | 486128 | 2020 | Dry | September | Used in Summary Table Analysis | 45.1 | 32.1 | 13.1 | 28.9\% | 29.2 | 16.0 | 35.4\% | 20.5 | 24.7 | 54.6\% |
| ME1 | 476029 | 2000 | Above Normal | October | Used in Summary Table Analysis | 383.4 | 375.6 | 7.8 | 2.0\% | 373.9 | 9.4 | 2.5\% | 369.0 | 14.3 | 3.7\% |
| ME1 | 476029 | 2000 | Above Normal | November | Used in Summary Table Analysis | 8,191.2 | 8,185.0 | 6.3 | 0.1\% | 8,183.8 | 7.4 | 0.1\% | 8,180.0 | 11.2 | 0.1\% |
| ME1 | 476029 | 2000 | Above Normal | December - | - | 4,792.5 | 4,787.4 | 5.1 | 0.1\% | 4,786.3 | 6.1 | 0.1\% | 4,783.2 | 9.3 | 0.2\% |
| ME1 | 476029 | 2000 | Above Normal | January | - | 15,025.5 | 15,020.8 | 4.6 | 0.0\% | 15,019.7 | 5.8 | 0.0\% | 15,017.4 | 8.1 | 0.1\% |
| ME1 | 476029 | 2000 | Above Normal | February | -- | 16,349.5 | 16,346.1 | 3.5 | 0.0\% | 16,344.9 | 4.6 | 0.0\% | 16,342.6 | 6.9 | 0.0\% |
| ME1 | 476029 | 2000 | Above Normal | March | - | 5,756.9 | 5,753.9 | 3.0 | 0.1\% | 5,753.2 | 3.7 | 0.1\% | 5,751.2 | 5.8 | 0.1\% |
| ME1 | 476029 | 2000 | Above Normal | April | - | 5,388.9 | 5,386.3 | 2.5 | 0.0\% | 5,385.8 | 3.1 | 0.1\% | 5,384.0 | 4.9 | 0.1\% |
| ME1 | 476029 | 2000 | Above Normal | May | - | 2,771.1 | 2,757.5 | 13.5 | 0.5\% | 2,754.7 | 16.3 | 0.6\% | 2,746.5 | 24.5 | 0.9\% |


| Surface Water Depletion Area Area of Interest | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | 800\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (ffs) } \end{gathered}$ | Percent Difference Difference | Flow (cts) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference Difference |
| ME 1 | 476029 | 2000 | Above Normal |  | June | - | 607.1 | 590.0 | 17.1 | 2.8\% | 586.6 | 20.5 | 3.4\% | 576.5 | 30.6 | 5.0\% |
| ME1 | 476029 | 2000 | Above Normal | July | - | 69.1 | 60.2 | 8.9 | 12.9\% | 58.5 | 10.6 | 15.4\% | 53.3 | 15.8 | 22.9\% |
| ME1 | 476029 | 2000 | Above Normal | August | -- | 56.2 | 47.6 | 8.6 | 15.2\% | 45.9 | 10.3 | 18.3\% | 40.8 | 15.4 | 27.4\% |
| ME1 | 476029 | 2000 | Above Normal | September | Used in Summary Table Analysis | 49.9 | 42.2 | 7.6 | 15.3\% | 40.7 | 9.2 | 18.4\% | 36.0 | 13.8 | 27.7\% |
| ME1 | 476029 | 2001 | Dry | October | Used in Summary Table Analysis | 2,782.1 | 2,774.0 | 8.1 | 0.3\% | 2,772.2 | 9.8 | 0.4\% | 2,767.1 | 14.9 | 0.5\% |
| ME1 | 476029 | 2001 | Dry | November | Used in Summary Table Analysis | 3,325.3 | 3,319.1 | 6.3 | 0.2\% | 3,317.9 | 7.4 | 0.2\% | 3,314.1 | 11.2 | 0.3\% |
| ME1 | 476029 | 2001 | Dry | December | - | 4,940.5 | 4,935.4 | 5.1 | 0.1\% | 4,934.4 | 6.1 | 0.1\% | 4,931.3 | 9.3 | 0.2\% |
| ME1 | 476029 | 2001 | Dry | January | - | 6,539.9 | 6,535.5 | 4.4 | 0.1\% | 6,534.6 | 5.3 | 0.1\% | 6,531.9 | 8.0 | 0.1\% |
| ME1 | 476029 | 2001 | Dry | February | - | 8,630.7 | 8,627.1 | 3.6 | 0.0\% | 8,626.3 | 4.4 | 0.1\% | 8,623.8 | 6.8 | 0.1\% |
| ME1 | 476029 | 2001 | Dry | March | - | 5,168.5 | 5,165.5 | 3.0 | 0.1\% | 5,164.8 | 3.7 | 0.1\% | 5,162.8 | 5.7 | 0.1\% |
| ME 1 | 476029 | 2001 | Dry | April | - | 5,111.9 | 5,096.3 | 15.6 | 0.3\% | 5,093.2 | 18.8 | 0.4\% | 5,083.8 | 28.1 | 0.6\% |
| ME1 | 476029 | 2001 | Dry | May | - | 605.3 | 592.4 | 12.9 | 2.1\% | 589.8 | 15.5 | 2.6\% | 582.1 | 23.2 | 3.8\% |
| ME1 | 476029 | 2001 | Dry | June | - | 1,345.7 | 1,326.7 | 19.0 | 1.4\% | 1,323.0 | 22.7 | 1.7\% | 1,311.8 | 33.9 | 2.5\% |
| ME1 | 476029 | 2001 | Dry | July | - | 66.6 | 56.2 | 10.5 | 15.7\% | 54.0 | 12.6 | 18.9\% | 47.6 | 19.0 | 28.5\% |
| me 1 | 476029 | 2001 | Dry | August | - | 53.8 | 42.8 | 11.0 | 20.5\% | 40.6 | 13.2 | 24.6\% | 33.9 | 19.9 | 36.9\% |
| ME 1 | 476029 | 2001 | Dry | September | Used in Summary Table Analysis | 48.4 | 38.4 | 10.1 | 20.8\% | 36.3 | 12.1 | 25.0\% | 30.2 | 18.2 | 37.6\% |
| ME1 | 476029 | 2002 | Below Normal | October | Used in Summary Table Analysis | 137.2 | 126.4 | 10.8 | 7.9\% | 124.1 | 13.0 | 9.5\% | 117.4 | 19.7 | 14.4\% |
| ME1 | 476029 | 2002 | Below Normal | November | Used in Summary Table Analysis | 7,296.2 | 7,287.7 | 8.4 | 0.1\% | 7,286.0 | 10.2 | 0.1\% | 7,281.0 | 15.2 | 0.2\% |
| ME1 | 476029 | 2002 | Below Normal | December |  | 13,917.8 | 13,909.7 | 8.1 | 0.1\% | 13,908.6 | 9.3 | 0.1\% | 13,903.9 | 13.9 | 0.1\% |
| ME1 | 476029 | 2002 | Below Normal | January | - | 9,696.2 | 9,690.0 | 6.1 | 0.1\% | 9,688.8 | 7.4 | 0.1\% | 9,685.1 | 11.1 | 0.1\% |
| ME 1 | 476029 | 2002 | Below Normal | February | - | 8,413.7 | 8,408.4 | 5.2 | 0.1\% | 8,407.4 | 6.3 | 0.1\% | 8,404.2 | 9.5 | 0.1\% |
| ME1 | 476029 | 2002 | Below Normal | March | - | 7,278.2 | 7,274.1 | 4.2 | 0.1\% | 7,273.3 | 5.0 | 0.1\% | 7,270.7 | 7.5 | 0.1\% |
| ME1 | 476029 | 2002 | Below Normal | April | - | 4,296.8 | 4,282.8 | 14.0 | 0.3\% | 4,280.0 | 16.8 | 0.4\% | 4,271.5 | 25.2 | 0.6\% |
| ME1 | 476029 | 2002 | Below Normal | May | - | 1,145.1 | 1,133.4 | 11.7 | 1.0\% | 1,131.1 | 14.0 | 1.2\% | 1,124.0 | 21.1 | 1.8\% |
| ME1 | 476029 | 2002 | Below Normal | June | - | 193.7 | 180.3 | 13.5 | 7.0\% | 177.6 | 16.1 | 8.3\% | 169.7 | 24.1 | 12.4\% |
| ME 1 | 476029 | 2002 | Below Normal | July | - | 57.1 | 47.4 | 9.8 | 17.1\% | 45.4 | 11.7 | 20.5\% | 39.6 | 17.5 | 30.6\% |
| ME1 | 476029 | 2002 | Below Normal | August | - | 51.3 | 41.8 | 9.5 | 18.5\% | 39.9 | 11.5 | 22.3\% | 34.1 | 17.2 | 33.5\% |
| ME1 | 476029 | 2002 | Below Normal | September | Used in Summary Table Analysis | 47.4 | 38.8 | 8.6 | 18.2\% | 37.0 | 10.4 | 21.9\% | 30.8 | 16.6 | 35.0\% |
| ME1 | 476029 | 2003 | Wet | October | Used in Summary Table Analysis | 35.8 | 26.9 | 9.0 | 25.1\% | 25.0 | 10.8 | 30.2\% | 19.5 | 16.4 | 45.6\% |
| ME1 | 476029 | 2003 | Wet | November | Used in Summary Table Analysis | 621.8 | 614.8 | 7.0 | 1.1\% | 613.2 | 8.6 | 1.4\% | 608.7 | 13.1 | 2.1\% |
| ME 1 | 476029 | 2003 | Wet | December |  | 29,858.8 | 29,853.0 | 5.8 | 0.0\% | 29,851.9 | 6.9 | 0.0\% | 29,848.4 | 10.4 | 0.0\% |
| ME1 | 476029 | 2003 | Wet | January | - | 7,628.6 | 7,623.6 | 5.0 | 0.1\% | 7,622.6 | 6.0 | 0.1\% | 7,619.3 | 9.3 | 0.1\% |
| ME1 | 476029 | 2003 | Wet | February | - | 5,550.8 | 5,546.6 | 4.2 | 0.1\% | 5,545.8 | 5.0 | 0.1\% | 5,543.2 | 7.6 | 0.1\% |
| ME 1 | 47629 | 2003 | Wet | March | - | 11,102.9 | 11,099.2 | 3.7 | 0.0\% | 11,098.5 | 4.4 | 0.0\% | 11,096.1 | 6.8 | 0.1\% |
| ME1 | 476029 | 2003 | wet | April | - | 21,848,4 | 21,844.9 | 3.5 | 0.0\% | 21,843.8 | 4.6 | 0.0\% | 21,841.4 | 6.9 | 0.0\% |
| ME 1 | 47629 | 2003 | Wet | May | - | 2,091.3 | 2,077.3 | 14.0 | 0.7\% | 2,074.7 | 16.7 | 0.8\% | 2,066.3 | 25.0 | 1.2\% |
| ME1 | 476029 | 2003 | Wet | June | - | 78.6 | 70.5 | 8.1 | 10.3\% | 69.0 | 9.6 | 12.2\% | 64.5 | 14.1 | 17.9\% |
| ME1 | 476029 | 2003 | Wet | July | - | 63.4 | 53.9 | 9.5 | 15.0\% | 52.0 | 11.4 | 17.9\% | 46.5 | 17.0 | 26.7\% |
| ME1 | 476029 | 2003 | Wet | August | - | 65.1 | 53.8 | 11.3 | 17.4\% | 51.1 | 14.0 | 21.6\% | 41.6 | 23.5 | 36.1\% |
| ME1 | 476029 | 2003 | Wet | September | Used in Summary Table Analysis | 49.9 | 42.3 | 7.6 | 15.2\% | 40.8 | 9.2 | 18.3\% | 35.0 | 15.0 | 30.0\% |
| ME 1 | 476029 | 2004 | wet | October | Used in Summary Table Analysis | 37.3 | 29.5 | 7.8 | 20.9\% | 27.9 | 9.4 | 25.3\% | 22.9 | 14.3 | 38.5\% |
| me 1 | 476029 | 2004 | Wet | November | Used in Summary Table Analysis | 4,134.3 | 4,127.9 | 6.4 | 0.2\% | 4,126.6 | 7.6 | 0.2\% | 4,122.5 | 11.8 | 0.3\% |
| ME1 | 476029 | 2004 | Wet | December | - | 18,099.5 | 18,093.8 | 5.8 | 0.0\% | 18,092.6 | 6.9 | 0.0\% | 18,089.1 | 10.4 | 0.1\% |
| ME1 | 476029 | 2004 | wet | January | - | 10,245.6 | 10,241.1 | 4.5 | 0.0\% | 10,240.2 | 5.4 | 0.1\% | 10,237.3 | 8.3 | 0.1\% |
| ME1 | 476029 | 2004 | Wet | February | - | 17,510.4 | 17,505.8 | 4.6 | 0.0\% | 17,505.8 | 4.6 | 0.0\% | 17,502.3 | 8.1 | 0.0\% |
| ME1 | 476029 | 2004 | wet | March |  | 4,166.0 | 4,163.0 | 3.0 | 0.1\% | 4,162.3 | 3.7 | 0.1\% | 4,160.2 | 5.8 | 0.1\% |
| ME1 | 476029 | 2004 | Wet | April | - | 3,550.9 | 3,548.4 | 2.5 | 0.1\% | 3,547.8 | 3.1 | 0.1\% | 3,546.1 | 4.9 | 0.1\% |
| ME1 | 476029 | 2004 | Wet | May | - | 1,062.3 | 1,048.6 | 13.7 | 1.3\% | 1,045.9 | 16.4 | 1.5\% | 1,037.7 | 24.6 | 2.3\% |
| ME1 | 476029 | 2004 | wet | June | - | 68.8 | 61.5 | 7.3 | 10.6\% | 60.1 | 8.7 | 12.6\% | 55.9 | 12.9 | 18.7\% |
| me 1 | 476029 | 2004 | Wet | July | - | 56.5 | 47.3 | 9.2 | 16.3\% | 45.4 | 11.1 | 19.6\% | 40.0 | 16.5 | 29.2\% |
| ME1 | 476029 | 2004 | Wet | August | - | 50.1 | 41.3 | 8.8 | 17.5\% | 39.6 | 10.5 | 21.0\% | 34.3 | 15.8 | 31.5\% |
| ME1 | 476029 | 2004 | Wet | September | Used in Summary Table Analysis | 44.1 | 32.9 | 11.2 | 25.3\% | 30.6 | 13.4 | 30.5\% | 23.9 | 20.2 | 45.9\% |
| ME1 | 476029 | 2005 | Above Normal | October | Used in Summary Table Analysis | 5,820.1 | 5,811.6 | 8.6 | 0.1\% | 5,810.0 | 10.2 | 0.2\% | 5,804.7 | 15.4 | 0.3\% |
| ME1 | 476029 | 2005 | Above Normal | November | Used in Summary Table Analysis | 964.0 | 957.7 | 6.3 | 0.7\% | 956.4 | 7.6 | 0.8\% | 952.5 | 11.5 | 1.2\% |
| me 1 | 476029 | 2005 | Above Normal | December | - | 11,873.8 | 11,868.1 | 5.8 | 0.0\% | 11,866.9 | 6.9 | 0.1\% | 11,863.4 | 10.4 | 0.1\% |
| ME1 | 476029 | 2005 | Above Normal | January | - | 8,400.0 | 8,395.5 | 4.5 | 0.1\% | 8,394.6 | 5.4 | 0.1\% | 8,391.7 | 8.3 | 0.1\% |
| ME1 | 476029 | 2005 | Above Normal | February | - | 4,646.4 | 4,642.8 | 3.6 | 0.1\% | 4,642.0 | 4.4 | 0.1\% | 4,639.7 | 6.7 | 0.1\% |
| ME1 | 476029 | 2005 | Above Normal | March | - | 14,266.2 | 14,262.7 | 3.5 | 0.0\% | 14,262.7 | 3.5 | 0.0\% | 14,260.4 | 5.8 | 0.0\% |
| ME1 | 476029 | 2005 | Above Normal | April | - | 9,223.8 | 9,220.9 | 2.9 | 0.0\% | 9,220.4 | 3.5 | 0.0\% | 9,218.6 | 5.2 | 0.1\% |
| me 1 | 476029 | 2005 | Above Normal | May | - | 8,524.3 | 8,509.7 | 14.6 | 0.2\% | 8,506.9 | 17.4 | 0.2\% | 8,498.3 | 26.0 | 0.3\% |
| ME1 | 476029 | 2005 | Above Normal | June | - | 6,381.4 | 6,363.4 | 17.9 | 0.3\% | 6,360.0 | 21.4 | 0.3\% | 6,349.7 | 31.7 | 0.5\% |
| ME1 | 476029 | 2005 | Above Normal | July | - | 90.6 | 79.6 | 11.0 | 12.1\% | 78.0 | 12.6 | 14.0\% | 73.0 | 17.6 | 19.4\% |
| ME 1 | 476029 | 2005 | Above Normal | August | - | 65.5 | 56.9 | 8.6 | 13.1\% | 55.3 | 10.2 | 15.6\% | 50.3 | 15.3 | 23.3\% |
| ME 1 | 476029 | 2005 | Above Normal | September | Used in Summary Table Analysis | 55.9 | 48.3 | 7.6 | 13.6\% | 46.8 | 9.1 | 16.3\% | 42.3 | 13.6 | 24.4\% |


| Surface Water Depletion Area Area of Interes | (Row, Column, Surface Water Reach) | Water Year Water Year T |  | th |  | FlowWithout Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | 800\% Pumping Increas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cts) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME1 | 476029 | 2006 | Wet |  | October U | Used in Summary Table Analysis | 250.2 | 242.4 | 7.8 | 3.1\% | 240.8 | 9.4 | 3.8\% | 235.9 | 14.3 | 5.7\% |
| ME1 | 476029 | 2006 | Wet | November | Used in Summary Table Analysis | 6,525.8 | 6,520.0 | 5.8 | 0.1\% | 6,518.8 | 7.1 | 0.1\% | 6,515.0 | 10.8 | 0.2\% |
| ME1 | 476029 | 2006 | Wet | December -- |  | 20,053.2 | 20,047.5 | 5.8 | 0.0\% | 20,046.3 | 6.9 | 0.0\% | 20,042.8 | 10.4 | 0.1\% |
| ME1 | 476029 | 2006 | wet | January | - | 16,928.2 | 16,923.6 | 4.6 | 0.0\% | 16,922.5 | 5.8 | 0.0\% | 16,920.1 | 8.1 | 0.0\% |
| ME1 | 476029 | 2006 | Wet | February - | - | 9,336.6 | 9,333.0 | 3.6 | 0.0\% | 9,332.3 | 4.3 | 0.0\% | 9,330.0 | 6.6 | 0.1\% |
| ME1 | 476029 | 2006 | Wet | March | - | 23,255.8 | 23,253.5 | 2.3 | 0.0\% | 23,252.3 | 3.5 | 0.0\% | 23,250.0 | 5.8 | 0.0\% |
| ME1 | 476029 | 2006 | Wet | April | - | 11,500.5 | 11,497.8 | 2.7 | 0.0\% | 11,497.2 | 3.2 | 0.0\% | 11,495.6 | 4.9 | 0.0\% |
| ME1 | 476029 | 2006 | Wet | May - | - | 4,648.7 | 4,644.0 | 4.7 | 0.1\% | 4,643.1 | 5.7 | 0.1\% | 4,640.2 | 8.6 | 0.2\% |
| ME1 | 476029 | 2006 | Wet | June | - | 562.7 | 547.9 | 14.8 | 2.6\% | 545.0 | 17.7 | 3.1\% | 536.6 | 26.1 | 4.6\% |
| ME1 | 476029 | 2006 | Wet | July | - | 75.4 | 66.4 | 8.9 | 11.9\% | 64.7 | 10.6 | 14.1\% | 59.7 | 15.6 | 20.7\% |
| ME1 | 476029 | 2006 | Wet | August | - | 61.6 | 52.9 | 8.7 | 14.1\% | 51.2 | 10.4 | 16.8\% | 46.1 | 15.5 | 25.1\% |
| ME1 | 476029 | 2006 | Wet | September U | Used in Summary Table Analysis | 54.2 | 46.7 | 7.5 | 13.8\% | 45.3 | 9.0 | 16.5\% | 40.7 | 13.5 | 24.9\% |
| ME1 | 476029 | 2007 | Above Normal | October U | Used in Summary Table Analysis | 44.9 | 37.2 | 7.7 | 17.2\% | 35.6 | 9.3 | 20.7\% | 30.7 | 14.2 | 31.6\% |
| ME1 | 476029 | 2007 | Above Normal | November | Used in Summary Table Analysis | 5,908.3 | 5,901.9 | 6.5 | 0.1\% | 5,900.5 | 7.9 | 0.1\% | 5,896.3 | 12.0 | 0.2\% |
| ME1 | 476029 | 2007 | Above Normal | December -- |  | 10,912.5 | 10,906.7 | 5.8 | 0.1\% | 10,905.6 | 6.9 | 0.1\% | 10,901.9 | 10.6 | 0.1\% |
| ME1 | 476029 | 2007 | Above Normal | January - | - | 2,475.0 | 2,470.6 | 4.4 | 0.2\% | 2,469.7 | 5.3 | 0.2\% | 2,466.8 | 8.2 | 0.3\% |
| ME1 | 476029 | 2007 | Above Normal | February | - | 17,673.6 | 17,670.1 | 3.5 | 0.0\% | 17,69.0 | 4.6 | 0.0\% | 17,665.5 | 8.1 | 0.0\% |
| ME1 | 476029 | 2007 | Above Normal | March - | - | 5,064.0 | 5,060.9 | 3.1 | 0.1\% | 5,060.2 | 3.8 | 0.1\% | 5,058.1 | 5.9 | 0.1\% |
| ME1 | 476029 | 2007 | Above Normal | April |  | 6,507.9 | 6,494.2 | 13.7 | 0.2\% | 6,491.6 | 16.3 | 0.3\% | 6,483.2 | 24.7 | 0.4\% |
| ME 1 | 476029 | 2007 | Above Normal | May | - | 1,273.0 | 1,262.0 | 11.0 | 0.9\% | 1,259.7 | 13.3 | 1.0\% | 1,253.0 | 20.0 | 1.6\% |
| ME1 | 476029 | 2007 | Above Normal | June - | - | 459.6 | 443.6 | 16.0 | 3.5\% | 440.5 | 19.1 | 4.2\% | 431.2 | 28.4 | 6.2\% |
| ME1 | 476029 | 2007 | Above Normal | July | - | 107.7 | 96.1 | 11.6 | 10.7\% | 93.9 | 13.9 | 12.9\% | 87.1 | 20.7 | 19.2\% |
| ME1 | 476029 | 2007 | Above Normal | August - | - | 54.2 | 45.2 | 9.0 | 16.6\% | 43.4 | 10.8 | 19.9\% | 38.0 | 16.2 | 29.8\% |
| ME1 | 476029 | 2007 | Above Normal | September | Used in Summary Table Analysis | 49.5 | 41.2 | 8.3 | 16.7\% | 39.5 | 9.9 | 20.1\% | 34.5 | 15.0 | 30.3\% |
| ME1 | 476029 | 2008 | Dry | October Us | Used in Summary Table Analysis | 2,928.9 | 2,920.3 | 8.7 | 0.3\% | 2,918.4 | 10.5 | 0.4\% | 2,913.1 | 15.9 | 0.5\% |
| ME1 | 476029 | 2008 | Dry | November | Used in Summary Table Analysis | 2,163.1 | 2,156.5 | 6.6 | 0.3\% | 2,155.1 | 8.0 | 0.4\% | 2,151.0 | 12.0 | 0.6\% |
| me 1 | 476029 | 2008 | Dry | December -- |  | 14,252.3 | 14,246.5 | 5.8 | 0.0\% | 14,245.4 | 6.9 | 0.0\% | 14,241.9 | 10.4 | 0.1\% |
| ME1 | 476029 | 2008 | Dry | January - | - | 15,944.4 | 15,938.7 | 5.8 | 0.0\% | 15,937.5 | 6.9 | 0.0\% | 15,935.2 | 9.3 | 0.1\% |
| ME1 | 476029 | 2008 | Dry | February - |  | 6,515.0 | 6,511.2 | 3.8 | 0.1\% | 6,510.4 | 4.6 | 0.1\% | 6,507.9 | 7.2 | 0.1\% |
| ME1 | 476029 | 2008 | Dry | March - | - | 3,178.0 | 3,174.8 | 3.2 | 0.1\% | 3,174.2 | 3.8 | 0.1\% | 3,172.1 | 5.9 | 0.2\% |
| ME1 | 476029 | 2008 | Dry | April - | - | 4,335.1 | 4,319.3 | 15.7 | 0.4\% | 4,316.2 | 18.9 | 0.4\% | 4,306.7 | 28.4 | 0.7\% |
| ME1 | 476029 | 2008 | Dry | May |  | 74.7 | 67.6 | 7.0 | 9.4\% | 66.5 | 8.2 | 11.0\% | 63.0 | 11.7 | 15.7\% |
| ME1 | 476029 | 2008 | Dry | June | - | 76.1 | 59.7 | 16.4 | 21.5\% | 56.4 | 19.6 | 25.8\% | 46.6 | 29.5 | 38.7\% |
| ME1 | 476029 | 2008 | Dry | July |  | 48.6 | 37.0 | 11.6 | 23.9\% | 34.7 | 13.9 | 28.6\% | 27.8 | 20.8 | 42.8\% |
| ME1 | 476029 | 2008 | Dry | August | - | 45.4 | 33.9 | 11.5 | 25.3\% | 31.6 | 13.8 | 30.4\% | 21.7 | 23.6 | 52.1\% |
| ME1 | 476029 | 2008 | Dry | September U | Used in Summary Table Analysis | 34.2 | 19.8 | 14.4 | 42.2\% | 16.9 | 17.3 | 50.7\% | 8.2 | 26.0 | 75.9\% |
| ME1 | 476029 | 2009 | Critical | October | Used in Summary Table Analysis | 654.2 | 643.4 | 10.8 | 1.6\% | 641.2 | 13.0 | 2.0\% | 634.3 | 19.9 | 3.0\% |
| ME1 | 476029 | 2009 | Critical | November | Used in Summary Table Analysis | 3,884.1 | 3,876.2 | 8.0 | 0.2\% | 3,874.4 | 9.7 | 0.3\% | 3,869.4 | 14.7 | 0.4\% |
| ME1 | 476029 | 2009 | Critical | December -- |  | 7,202.3 | 7,195.3 | 7.1 | 0.1\% | 7,193.9 | 8.4 | 0.1\% | 7,189.8 | 12.5 | 0.2\% |
| ME1 | 476029 | 2009 | Critical | January | - | 4,440.2 | 4,434.5 | 5.7 | 0.1\% | 4,433.3 | 6.8 | 0.2\% | 4,430.0 | 10.2 | 0.2\% |
| ME1 | 476029 | 2009 | Critical | February - | - | 13,567.1 | 13,562.5 | 4.6 | 0.0\% | 13,561.3 | 5.8 | 0.0\% | 13,559.0 | 8.1 | 0.1\% |
| ME1 | 476029 | 2009 | Critical | March |  | 11,032.2 | 11,028.1 | 4.1 | 0.0\% | 11,027.3 | 4.9 | 0.0\% | 11,024.8 | 7.4 | 0.1\% |
| ME1 | 476029 | 2009 | Critical | April - | - | 4,806.3 | 4,789.9 | 16.3 | 0.3\% | 4,786.8 | 19.4 | 0.4\% | 4,777.0 | 29.3 | 0.6\% |
| ME1 | 476029 | 2009 | Critical | May - | - | 10,380.1 | 10,365.3 | 14.8 | 0.1\% | 10,362.4 | 17.7 | 0.2\% | 10,353.5 | 26.6 | 0.3\% |
| ME1 | 476029 | 2009 | Critical | June - | - | 336.2 | 316.8 | 19.4 | 5.8\% | 313.1 | 23.1 | 6.9\% | 301.9 | 34.4 | 10.2\% |
| ME1 | 476029 | 2009 | Critical | July - | - | 68.9 | 57.5 | 11.4 | 16.6\% | 55.3 | 13.6 | 19.7\% | 48.7 | 20.2 | 29.3\% |
| ME1 | 476029 | 2009 | Critical | August | - | 55.2 | 43.9 | 11.3 | 20.5\% | 41.6 | 13.6 | 24.6\% | 34.9 | 20.4 | 36.9\% |
| ME1 | 476029 | 2009 | Critical | September | Used in Summary Table Analysis | 49.3 | 39.1 | 10.2 | 20.7\% | 37.0 | 12.3 | 24.9\% | 30.8 | 18.5 | 37.5\% |
| ME1 | 476029 | 2010 | Below Normal | October | Used in Summary Table Analysis | 5,093.2 | 5,082.8 | 10.4 | 0.2\% | 5,080.6 | 12.6 | 0.2\% | 5,073.1 | 20.0 | 0.4\% |
| ME1 | 476029 | 2010 | Below Normal | November | Used in Summary Table Analysis | 6,075.7 | 6,067.5 | 8.2 | 0.1\% | 6,065.7 | 10.0 | 0.2\% | 6,060.6 | 15.0 | 0.2\% |
| ME1 | 476029 | 2010 | Below Normal | December -- | -- | 6,286.1 | 6,279.3 | 6.8 | 0.1\% | 6,277.9 | 8.2 | 0.1\% | 6,273.7 | 12.4 | 0.2\% |
| ME1 | 476029 | 2010 | Below Normal | January |  | 18,079.9 | 18,074.1 | 5.8 | 0.0\% | 18,072.9 | 6.9 | 0.0\% | 18,069.4 | 10.4 | 0.1\% |
| ME1 | 476029 | 2010 | Below Normal | February - | - | 11,642.4 | 11,637.7 | 4.6 | 0.0\% | 11,636.6 | 5.8 | 0.0\% | 11,634.3 | 8.1 | 0.1\% |
| ME1 | 476029 | 2010 | Below Normal | March | - | 15,990.7 | 15,986.1 | 4.6 | 0.0\% | 15,986.1 | 4.6 | 0.0\% | 15,982.6 | 8.1 | 0.1\% |
| ME1 | 476029 | 2010 | Below Normal | April - | - | 22,825.2 | 22,821.8 | 3.5 | 0.0\% | 22,820.6 | 4.6 | 0.0\% | 22,818.3 | 6.9 | 0.0\% |
| ME1 | 476029 | 2010 | Below Normal | May - | - | 6,427.2 | 6,412.3 | 14.9 | 0.2\% | 6,409.4 | 17.8 | 0.3\% | 6,400.7 | 26.5 | 0.4\% |
| ME1 | 476029 | 2010 | Below Normal | June |  | 3,625.6 | 3,607.4 | 18.2 | 0.5\% | 3,603.8 | 21.8 | 0.6\% | 3,593.2 | 32.4 | 0.9\% |
| ME1 | 476029 | 2010 | Below Normal | July - | - | 87.7 | 77.1 | 10.6 | 12.1\% | 75.3 | 12.4 | 14.2\% | 70.0 | 17.7 | 20.2\% |
| ME1 | 476029 | 2010 | Below Normal | August | - | 67.1 | 58.1 | 9.0 | 13.4\% | 56.3 | 10.7 | 16.0\% | 51.1 | 16.0 | 23.8\% |
| ME1 | 476029 | 2010 | Below Normal | September | Used in Summary Table Analysis | 321.7 | 309.9 | 11.8 | 3.7\% | 307.5 | 14.2 | 4.4\% | 300.4 | 21.3 | 6.6\% |
| ME1 | 476029 | 2011 | Wet | October Usis | Used in Summary Table Analysis | 7,149.9 | 7,141.9 | 8.0 | 0.1\% | 7,140.3 | 9.6 | 0.1\% | 7,135.4 | 14.5 | 0.2\% |
| ME1 | 47629 | 2011 | Wet | November | Used in Summary Table Analysis | 6,166.7 | 6,160.3 | 6.4 | 0.1\% | 6,159.0 | 7.6 | 0.1\% | 6,155.1 | 11.6 | 0.2\% |
| ME1 | 476029 | 2011 | Wet | December -- | - | 17,496.5 | 17,491.9 | 4.6 | 0.0\% | 17,489.6 | 6.9 | 0.0\% | 17,486.1 | 10.4 | 0.1\% |
| ME 1 | 476029 | 2011 | Wet | January - | - | 3,467.6 | 3,463.8 | 3.8 | 0.1\% | 3,463.0 | 4.6 | 0.1\% | 3,460.3 | 7.3 | 0.2\% |

thly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interes | $\begin{aligned} & \text { Model Cell } \\ & \text { (Row, Column, } \\ & \text { Surface Water } \\ & \text { Reach) } \end{aligned}$ | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | 0\% Pumping Inc |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME1 | 476029 | 2011 | Wet |  | February - | - | 10,707.8 | 10,704.1 | 3.7 | 0.0\% | 10,703.2 | 4.5 | 0.0\% | 10,700.6 | 7.2 | 0.1\% |
| ME1 | 476029 | 2011 | Wet | March | - | 28,659.7 | 28,656.3 | 3.5 | 0.0\% | 28,656.3 | 3.5 | 0.0\% | 28,653.9 | 5.8 | 0.0\% |
| ME1 | 476029 | 2011 | Wet | April | - | 11,067.4 | 11,064.5 | 2.9 | 0.0\% | 11,063.9 | 3.5 | 0.0\% | 11,062.0 | 5.3 | 0.0\% |
| ME1 | 476029 | 2011 | Wet | May | - | 4,810.9 | 4,796.9 | 14.0 | 0.3\% | 4,794.1 | 16.8 | 0.3\% | 4,785.8 | 25.1 | 0.5\% |
| ME1 | 476029 | 2011 | Wet | June | - | 3,138.3 | 3,120.5 | 17.8 | 0.6\% | 3,117.0 | 21.3 | 0.7\% | 3,106.5 | 31.8 | 1.0\% |
| ME1 | 476029 | 2011 | Wet | July | - | 214.8 | 199.2 | 15.6 | 7.3\% | 196.2 | 18.6 | 8.7\% | 188.6 | 26.2 | 12.2\% |
| ME1 | 476029 | 2011 | wet | August | - | 65.8 | 57.3 | 8.5 | 13.0\% | 55.6 | 10.2 | 15.5\% | 50.5 | 15.3 | 23.2\% |
| ME1 | 476029 | 2011 | Wet | September | Used in Summary Table Analysis | 55.7 | 48.2 | 7.5 | 13.4\% | 46.7 | 9.0 | 16.2\% | 42.2 | 13.6 | 24.4\% |
| ME1 | 476029 | 2012 | Below Normal | October | Used in Summary Table Analysis | 3,528.2 | 3,520.6 | 7.6 | 0.2\% | 3,519.1 | 9.1 | 0.3\% | 3,514.2 | 14.0 | 0.4\% |
| ME1 | 476029 | 2012 | Below Normal | November | Used in Summary Table Analysis | 4,817.9 | 4,811.8 | 6.1 | 0.1\% | 4,810.5 | 7.4 | 0.2\% | 4,806.6 | 11.3 | 0.2\% |
| ME1 | 47629 | 2012 | Below Normal | December - | - | 1,959.7 | 1,954.7 | 5.0 | 0.3\% | 1,953.7 | 6.0 | 0.3\% | 1,950.5 | 9.3 | 0.5\% |
| ME1 | 476029 | 2012 | Below Normal | January | - | 11,440.7 | 11,436.5 | 4.3 | 0.0\% | 11,435.4 | 5.3 | 0.0\% | 11,432.5 | 8.2 | 0.1\% |
| ME1 | 476029 | 2012 | Below Normal | February | - | 6,660.1 | 6,656.6 | 3.5 | 0.1\% | 6,655.8 | 4.3 | 0.1\% | 6,653.5 | 6.6 | 0.1\% |
| ME1 | 476029 | 2012 | Below Normal | March | - | 25,149.3 | 25,145.8 | 3.5 | 0.0\% | 25,145.8 | 3.5 | 0.0\% | 25,143.5 | 5.8 | 0.0\% |
| ME1 | 476029 | 2012 | Below Normal | April | - | 12,517.4 | 12,513.9 | 3.5 | 0.0\% | 12,513.9 | 3.5 | 0.0\% | 12,511.6 | 5.8 | 0.0\% |
| ME1 | 476029 | 2012 | Below Normal | May | - | 2,049.2 | 2,035.1 | 14.1 | 0.7\% | 2,032.3 | 16.9 | 0.8\% | 2,024.1 | 25.1 | 1.2\% |
| ME1 | 476029 | 2012 | Below Normal | June | - | 3,039.6 | 3,021.6 | 17.9 | 0.6\% | 3,018.1 | 21.5 | 0.7\% | 3,007.8 | 31.8 | 1.0\% |
| ME 1 | 476029 | 2012 | Below Normal | July | - | 1,082.5 | 1,066.6 | 15.9 | 1.5\% | 1,063.5 | 19.0 | 1.8\% | 1,054.4 | 28.1 | 2.6\% |
| ME1 | 476029 | 2012 | Below Normal | August | 迷 | 72.2 | 63.8 | 8.4 | 11.6\% | 62.1 | 10.0 | 13.9\% | 57.2 | 14.9 | 20.7\% |
| ME1 | 476029 | 2012 | Below Normal | September | Used in Summary Table Analysis | 59.4 | 51.8 | 7.6 | 12.7\% | 50.3 | 9.1 | 15.3\% | 45.8 | 13.6 | 22.9\% |
| ME1 | 476029 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,483.2 | 1,474.9 | 8.3 | 0.6\% | 1,473.1 | 10.1 | 0.7\% | 1,468.1 | 15.2 | 1.0\% |
| ME1 | 476029 | 2013 | Below Normal | November | Used in Summary Table Analysis | 9,489.9 | 9,483.4 | 6.5 | 0.1\% | 9,482.1 | 7.9 | 0.1\% | 9,478.0 | 11.9 | 0.1\% |
| ME1 | 476029 | 2013 | Below Normal | December - |  | 32,099.5 | 32,092.6 | 6.9 | 0.0\% | 32,091.4 | 8.1 | 0.0\% | 32,088.0 | 11.6 | 0.0\% |
| ME1 | 476029 | 2013 | Below Normal | January | - | 4,825.1 | 4,820.7 | 4.4 | 0.1\% | 4,819.7 | 5.4 | 0.1\% | 4,817.0 | 8.1 | 0.2\% |
| ME1 | 476029 | 2013 | Below Normal | February | - | 3,069.7 | 3,065.7 | 3.9 | 0.1\% | 3,064.9 | 4.7 | 0.2\% | 3,062.4 | 7.3 | 0.2\% |
| ME1 | 47629 | 2013 | Below Normal | March | - | 5,639.9 | 5,636.7 | 3.2 | 0.1\% | 5,636.0 | 3.9 | 0.1\% | 5,633.9 | 6.0 | 0.1\% |
| ME1 | 476029 | 2013 | Below Normal | April | - | 4,397.9 | 4,384.6 | 13.3 | 0.3\% | 4,381.9 | 16.0 | 0.4\% | 4,373.8 | 24.1 | 0.5\% |
| ME1 | 476029 | 2013 | Below Normal | May | - | 2,272.6 | 2,261.3 | 11.2 | 0.5\% | 2,259.0 | 13.5 | 0.6\% | 2,252.3 | 20.3 | 0.9\% |
| ME1 | 47629 | 2013 | Below Normal | June | - | 1,010.6 | 994.7 | 15.9 | 1.6\% | 991.6 | 19.0 | 1.9\% | 982.2 | 28.4 | 2.8\% |
| ME1 | 476029 | 2013 | Below Normal | July | - | 68.2 | 59.0 | 9.1 | 13.4\% | 57.3 | 10.9 | 16.0\% | 51.9 | 16.3 | 23.9\% |
| ME1 | 476029 | 2013 | Below Normal | August | -- | 55.8 | 46.6 | 9.2 | 16.4\% | 44.8 | 11.0 | 19.7\% | 39.3 | 16.5 | 29.6\% |
| ME1 | 476029 | 2013 | Below Normal | September | Used in Summary Table Analysis | 3,832.8 | 3,819.9 | 12.8 | 0.3\% | 3,817.4 | 15.4 | 0.4\% | 3,809.5 | 23.3 | 0.6\% |
| ME1 | 476029 | 2014 | Critical | October | Used in Summary Table Analysis | 88.4 | 80.0 | 8.4 | 9.5\% | 78.3 | 10.1 | 11.4\% | 74.0 | 14.4 | 16.3\% |
| ME1 | 476029 | 2014 | Critical | November | Used in Summary Table Analysis | 1,147.7 | 1,141.1 | ${ }^{6.6}$ | 0.6\% | 1,139.8 | 7.9 | 0.7\% | 1,135.7 | 12.0 | 1.0\% |
| ME1 | 476029 | 2014 | Critical | December - |  | 916.9 | 911.7 | 5.3 | 0.6\% | 910.6 | 6.4 | 0.7\% | 907.3 | 9.7 | 1.1\% |
| ME1 | 476029 | 2014 | Critical | January - | - | 1,815.4 | 1,811.0 | 4.4 | 0.2\% | 1,810.1 | 5.3 | 0.3\% | 1,807.3 | 8.1 | 0.4\% |
| ME1 | 476029 | 2014 | Critical | February - |  | 9,880.3 | 9,876.4 | 3.9 | 0.0\% | 9,875.6 | 4.7 | 0.0\% | 9,872.8 | 7.5 | 0.1\% |
| ME1 | 476029 | 2014 | Critical | March | - | 14,849.5 | 14,846.1 | 3.5 | 0.0\% | 14,844.9 | 4.6 | 0.0\% | 14,842.6 | 6.9 | 0.0\% |
| ME1 | 47629 | 2014 | Critical | April | - | 3,630.9 | 3,615.4 | 15.5 | 0.4\% | 3,612.3 | 18.6 | 0.5\% | 3,602.9 | 28.0 | 0.8\% |
| ME1 | 476029 | 2014 | Critical | May | - | 1,853.6 | 1,840.3 | 13.3 | 0.7\% | 1,837.6 | 16.0 | 0.9\% | 1,829.6 | 24.0 | 1.3\% |
| ME1 | 476029 | 2014 | Critical | June | - | 121.0 | 102.0 | 19.0 | 15.7\% | 98.3 | 22.7 | 18.8\% | 87.8 | 33.1 | 27.4\% |
| ME1 | 476029 | 2014 | Critical | July | - | 57.5 | 46.2 | 11.3 | 19.6\% | 44.0 | 13.5 | 23.5\% | 37.2 | 20.3 | 35.3\% |
| ME1 | 47629 | 2014 | Critical | August | -- | 50.5 | 39.2 | 11.3 | 22.4\% | 37.0 | 13.6 | 26.9\% | 30.2 | 20.4 | 40.3\% |
| ME1 | 47629 | 2014 | Critical | September | Used in Summary Table Analysis | 2,101.6 | 2,086.0 | 15.6 | 0.7\% | 2,083.1 | 18.5 | 0.9\% | 2,073.5 | 28.1 | 1.3\% |
| ME1 | 476029 | 2015 | Dry | October | Used in Summary Table Analysis | 8,253.8 | 8,242.1 | 11.7 | 0.1\% | 8,240.0 | 13.8 | 0.2\% | 8,233.8 | 20.0 | 0.2\% |
| ME1 | 476029 | 2015 | Dry | November | Used in Summary Table Analysis | 4,164.4 | 4,156.3 | 8.1 | 0.2\% | 4,154.6 | 9.7 | 0.2\% | 4,149.8 | 14.6 | 0.4\% |
| ME1 | 476029 | 2015 | Dry | December - |  | 15,281.3 | 15,274.3 | 6.9 | 0.0\% | 15,272.0 | 9.3 | 0.1\% | 15,268.5 | 12.7 | 0.1\% |
| ME1 | 47629 | 2015 | Dry | January | - | 2,401.7 | 2,396.4 | 5.3 | 0.2\% | 2,395.3 | 6.5 | 0.3\% | 2,391.8 | 10.0 | 0.4\% |
| ME1 | 47629 | 2015 | Dry | February - | - | 15,079.9 | 15,075.2 | 4.6 | 0.0\% | 15,074.1 | 5.8 | 0.0\% | 15,071.8 | 8.1 | 0.1\% |
| ME1 | 476029 | 2015 | Dry | March | - | 4,145.3 | 4,141.6 | 3.7 | 0.1\% | 4,140.7 | 4.5 | 0.1\% | 4,138.4 | 6.8 | 0.2\% |
| ME1 | 476029 | 2015 | Dry | April | - | 4,497.0 | 4,480.9 | 16.1 | 0.4\% | 4,477.5 | 19.4 | 0.4\% | 4,467.9 | 29.1 | 0.6\% |
| ME1 | 476029 | 2015 | Dry | May | - | 141.4 | 128.1 | 13.3 | 9.4\% | 125.6 | 15.8 | 11.2\% | 118.9 | 22.5 | 15.9\% |
| ME1 | 47629 | 2015 | Dry | June | - | 175.5 | 158.8 | 16.7 | 9.5\% | 155.4 | 20.1 | 11.4\% | 145.4 | 30.1 | 17.2\% |
| ME1 | 476029 | 2015 | Dry | July | - | 53.6 | 41.8 | 11.8 | 22.0\% | 39.5 | 14.1 | 26.3\% | 32.5 | 21.1 | 39.4\% |
| ME1 | 476029 | 2015 | Dry | August | -- | 48.2 | 36.6 | 11.5 | 24.0\% | 34.3 | 13.9 | 28.8\% | 27.3 | 20.8 | 43.2\% |
| ME1 | 476029 | 2015 | Dry | September | Used in Summary Table Analysis | 46.7 | 33.6 | 13.0 | 28.0\% | 30.6 | 16.0 | 34.3\% | 21.8 | 24.9 | 53.4\% |
| ME1 | 476029 | 2016 | Above Normal | October | Used in Summary Table Analysis | 38.5 | 25.3 | 13.2 | 34.2\% | 23.1 | 15.4 | 40.1\% | 16.2 | 22.3 | 57.8\% |
| ME1 | 47629 | 2016 | Above Normal | November | Used in Summary Table Analysis | 2,988.9 | 2,980.7 | 8.2 | 0.3\% | 2,978.9 | 10.0 | 0.3\% | 2,973.8 | 15.0 | 0.5\% |
| ME1 | 476029 | 2016 | Above Normal | December - | - | 19,850.7 | 19,843.8 | 6.9 | 0.0\% | 19,841.4 | 9.3 | 0.0\% | 19,838.0 | 12.7 | 0.1\% |
| ME1 | 476029 | 2016 | Above Normal | January | - | 20,939.8 | 20,932.9 | 6.9 | 0.0\% | 20,931.7 | 8.1 | 0.0\% | 20,928.2 | 11.6 | 0.1\% |
| ME1 | 476029 | 2016 | Above Normal | February - |  | 5,507.6 | 5,503.2 | 4.4 | 0.1\% | 5,502.2 | 5.4 | 0.1\% | 5,499.3 | 8.3 | 0.2\% |
| ME1 | 476029 | 2016 | Above Normal | March | - | 20,275.5 | 20,270.8 | 4.6 | 0.0\% | 20,269.7 | 5.8 | 0.0\% | 20,267.4 | 8.1 | 0.0\% |
| ME1 | 476029 | 2016 | Above Normal | April | - | 5,690.6 | 5,687.3 | 3.4 | 0.1\% | 5,686.6 | 4.1 | 0.1\% | 5,684.5 | 6.1 | 0.1\% |
| ME 1 | 476029 | 2016 | Above Normal | May | - | 1,249.2 | 1,244.1 | 5.1 | 0.4\% | 1,243.1 | 6.1 | 0.5\% | 1,239.9 | 9.3 | 0.7\% |

nethy Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interes | Model Cell(Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | 0\% Pumping In |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cfs) |  | Flow Difference <br> (cfs) | Percent Difference | Flow (fts) | $\begin{aligned} & \text { Fiffow } \\ & \text { Difference } \end{aligned}$ (cts) | Percent Difference | Flow (ffs) | Flow Differenc Differenc (cfs) | Percent Difference |
| ME1 | 476029 | 2016 | Above Normal |  | June | - | 80.5 | 69.2 | 11.3 | 14.1\% | 68.0 | 12.5 | 15.6\% | 64.6 | 15.9 | 19.8\% |
| ME1 | 476029 | 2016 | Above Normal | July | - | 60.7 | 51.5 | 9.3 | 15.3\% | 49.6 | 11.1 | 18.3\% | 44.3 | 16.4 | 27.1\% |
| ME1 | 476029 | 2016 | Above Normal | August | -- | 52.1 | 43.1 | 9.0 | 17.2\% | 41.4 | 10.8 | 20.7\% | 36.1 | 16.1 | 30.8 |
| ME1 | 476029 | 2016 | Above Normal | September | Used in Summary Table Analysis | 48.4 | 38.2 | 10.3 | 21.2\% | 35.9 | 12.5 | 25.9\% | 29.2 | 19.2 | 39.7\% |
| ME1 | 476029 | 2017 | Wet | October | Used in Summary Table Analysis | 12,881.9 | 12,871.5 | 10.4 | 0.1\% | 12,870.4 | 11.6 | 0.1\% | 12,864.6 | 17.4 | 0.1\% |
| ME1 | 476029 | 2017 | Wet | November | Used in Summary Table Analysis | 7,415.7 | 7,409.0 | 6.7 | 0.1\% | 7,407.8 | 8.0 | 0.1\% | 7,403.8 | 11.9 | 0.2\% |
| ME1 | 476029 | 2017 | Wet | December |  | 9,472.5 | 9,467.0 | 5.4 | 0.1\% | 9,465.9 | 6.6 | 0.1\% | 9,462.3 | 10.2 | 0.1\% |
| ME1 | 476029 | 2017 | Wet | January | - | 35,149.3 | 35,144.7 | 4.6 | 0.0\% | 35,143.5 | 5.8 | 0.0\% | 35,141.2 | 8.1 | 0.0\% |
| ME1 | 476029 | 2017 | Wet | February | - | 33,871.5 | 33,866.9 | 4.6 | 0.0\% | 33,865.7 | 5.8 | 0.0\% | 33,863.4 | 8.1 | 0.0\% |
| ME1 | 476029 | 2017 | Wet | March | - | 6,459.0 | 6,455.8 | 3.2 | 0.1\% | 6,455.1 | 3.9 | 0.1\% | 6,453.0 | 6.0 | 0.1\% |
| ME1 | 47629 | 2017 | Wet | April | - | 8,178.0 | 8,175.5 | 2.5 | 0.0\% | 8,174.9 | 3.1 | 0.0\% | 8,173.1 | 4.9 | 0.1\% |
| ME1 | 476029 | 2017 | wet | May | - | 193.8 | 189.1 | 4.7 | 2.4\% | 188.2 | 5.6 | 2.9\% | 185.3 | 8.5 | 4.4\% |
| ME1 | 476029 | 2017 | Wet | June | - | 183.3 | 168.9 | 14.5 | 7.9\% | 166.0 | 17.4 | 9.5\% | 157.4 | 25.9 | 14.1\% |
| ME1 | 476029 | 2017 | Wet | July | - | 56.8 | 47.9 | 8.8 | 15.6\% | 46.2 | 10.6 | 18.6\% | 41.1 | 15.6 | 27.5\% |
| ME1 | 476029 | 2017 | Wet | August | - | 52.3 | 43.6 | 8.7 | 16.6\% | 41.9 | 10.5 | 20.0\% | 36.7 | 15.6 | 29.9\% |
| ME1 | 47629 | 2017 | Wet | September | Used in Summary Table Analysis | 47.6 | 36.7 | 10.9 | 22.\% | 34.5 | 13.1 | 27.6\% | 27.9 | 19.8 | 41.5\% |
| ME1 | 476029 | 2018 | Above Normal | October | Used in Summary Table Analysis | 56.0 | 47.7 | 8.3 | 14.8\% | 46.0 | 10.0 | 17.8\% | 41.0 | 15.0 | 26.8\% |
| ME 1 | 476029 | 2018 | Above Normal | November | Used in Summary Table Analysis | 7,167.2 | 7,161.1 | 6.1 | 0.1\% | 7,159.8 | 7.4 | 0.1\% | 7,156.0 | 11.2 | 0.2\% |
| ME1 | 476029 | 2018 | Above Normal | December |  | 616.5 | 611.7 | 4.8 | 0.8\% | 610.7 | 5.8 | 0.9\% | 607.7 | 8.9 | 1.4\% |
| ME1 | 476029 | 2018 | Above Normal | January | - | 9,083.1 | 9,078.8 | 4.3 | 0.0\% | 9,077.9 | 5.2 | 0.1\% | $9,075.3$ | 7.8 | 0.1\% |
| ME1 | 47629 | 2018 | Above Normal | February | - | 730.9 | 727.6 | 3.3 | 0.5\% | 726.8 | 4.1 | 0.6\% | 724.6 | 6.3 | 0.9\% |
| ME1 | 476029 | 2018 | Above Normal | March | - | 9,610.9 | 9,607.9 | 3.0 | 0.0\% | 9,607.2 | 3.7 | 0.0\% | 9,605.2 | 5.7 | 0.1\% |
| ME1 | 476029 | 2018 | Above Normal | April | - | 17,443.3 | 17,441.0 | 2.3 | 0.0\% | 17,439.8 | 3.5 | 0.0\% | 17,438.7 | 4.6 | 0.0\% |
| ME1 | 476029 | 2018 | Above Normal | May | - | 726.7 | 713.5 | 13.2 | 1.8\% | 710.9 | 15.8 | 2.2\% | 702.8 | 23.9 | 3.3\% |
| ME1 | 476029 | 2018 | Above Normal | June | - | 64.6 | 57.0 | 7.7 | 11.8\% | 55.5 | 9.1 | 14.1\% | 51.2 | 13.4 | 20.8\% |
| ME1 | 47629 | 2018 | Above Normal | July | - | 54.4 | 45.1 | 9.3 | 17.\% | 43.3 | 11.1 | 20.4\% | 37.8 | 16.6 | 30.5\% |
| ME1 | 476029 | 2018 | Above Normal | August | - | 50.4 | 41.7 | 8.8 | 17.4\% | 39.9 | 10.5 | 20.\% | 34.6 | 15.8 | 31.3\% |
| ME1 | 476029 | 2018 | Above Normal | September | Used in Summary Table Analysis | 44.1 | 33.0 | 11.1 | 25.1\% | 30.8 | 13.3 | 30.2\% | 24.0 | 20.0 | 45.4\% |
| ME1 | 47629 | 2019 | Below Normal | October | Used in Summary Table Analysis | 59.0 | 49.9 | 9.1 | 15.4\% | 48.1 | 11.0 | 18.6\% | 42.4 | 16.6 | 28.2\% |
| ME1 | 476029 | 2019 | Below Normal | November | Used in Summary Table Analysis | 4,586.3 | 4,579.7 | 6.6 | 0.1\% | 4,578.5 | 7.9 | 0.2\% | 4,574.3 | 12.0 | 0.3\% |
| ME1 | 476029 | 2019 | Below Normal | December |  | 7,123.7 | 7,118.3 | 5.4 | 0.1\% | 7,117.2 | 6.5 | 0.1\% | 7,113.8 | 10.0 | 0.1\% |
| ME1 | 476029 | 2019 | Below Normal | January | - | 16,265.0 | 16,260.4 | 4.6 | 0.0\% | 16,259.3 | 5.8 | 0.0\% | 16,255.8 | 9.3 | 0.1\% |
| ME1 | 476029 | 2019 | Below Normal | February |  | 44,833.3 | 44,829.9 | 3.5 | 0.0\% | 44,828.7 | 4.6 | 0.0\% | 44,826.4 | 6.9 | 0.0\% |
| ME1 | 47629 | 2019 | Below Normal | March | - | 10,433.1 | 10,429.7 | 3.4 | 0.0\% | 10,429.1 | 4.1 | 0.0\% | 10,426.9 | 6.3 | 0.1\% |
| ME1 | 476029 | 2019 | Below Normal | April | - | 3,511.5 | 3,508.7 | 2.8 | 0.1\% | 3,508.1 | 3.4 | 0.1\% | 3,506.5 | 5.0 | 0.1\% |
| ME1 | 476029 | 2019 | Below Normal | May | - | 6,669.3 | 6,655.2 | 14.1 | 0.2\% | 6,652.4 | 16.9 | 0.3\% | 6,644.0 | 25.3 | 0.4\% |
| ME1 | 476029 | 2019 | Below Normal | June | - | 80.3 | 71.4 | 8.9 | 11.1\% | 70.0 | 10.3 | 12.9\% | 65.9 | 14.5 | 18.0\% |
| ME1 | 476029 | 2019 | Below Normal | July | - | 64.8 | 55.5 | 9.3 | 14.3\% | 53.7 | 11.1 | 17.1\% | 48.4 | 16.4 | 25.4\% |
| ME1 | 476029 | 2019 | Below Normal | August | - | 54.9 | 46.2 | 8.7 | 15.8\% | 44.5 | 10.5 | 19.\% | 39.3 | 15.6 | 28.4\% |
| ME1 | 476029 | 2019 | Below Normal | September | Used in Summary Table Analysis | 127.1 | 116.1 | 11.0 | 8.7\% | 113.9 | 13.3 | 10.4\% | 107.2 | 20.0 | 15.7\% |
| ME1 | 476029 | 2020 | Dry | October | Used in Summary Table Analysis | 159.5 | 151.7 | 7.8 | 4.9\% | 150.0 | 9.5 | 5.9\% | 145.1 | 14.4 | 9.0\% |
| ME1 | 476029 | 2020 | Dry | November | Used in Summary Table Analysis | 86.3 | 81.5 | 4.8 | 5.5\% | 80.5 | 5.8 | 6.7\% | 77.5 | 8.8 | 10.2\% |
| ME1 | 47629 | 2020 | Dry | December | - | 7,889.2 | 7,884,3 | 5.0 | 0.1\% | 7,883.1 | 6.1 | 0.1\% | 7,880.0 | 9.3 | 0.1\% |
| ME1 | 476029 | 2020 | Dry | January | - | $9,018.1$ | 9,013.5 | 4.5 | 0.1\% | $9,012.6$ | 5.4 | 0.1\% | $9,010.0$ | 8.1 | 0.1\% |
| ME1 | 476029 | 2020 | Dry | February | - | 255.2 | 251.7 | 3.5 | 1.4\% | 250.9 | 4.2 | 1.7\% | 248.7 | 6.4 | 2.5\% |
| ME1 | 476029 | 2020 | Dry | March | - | 2,675.6 | 2,67.5 | 3.1 | 0.1\% | 2,671.8 | 3.8 | 0.1\% | 2,669.9 | 5.7 | 0.2\% |
| ME1 | 476029 | 2020 | Dry | April |  | 2,164.0 | 2,148.7 | 15.3 | 0.7\% | 2,145.6 | 18.4 | 0.9\% | 2,136.5 | 27.5 | 1.3\% |
| ME1 | 47629 | 2020 | Dry | May | - | 3,785.1 | 3,771.9 | 13.2 | 0.3\% | 3,769.3 | 15.7 | 0.4\% | 3,761.5 | 23.6 | 0.6\% |
| ME1 | 476029 | 2020 | Dry | June | - | 90.4 | 74.1 | 16.3 | 18.0\% | 71.1 | 19.3 | 21.4\% | 62.0 | 28.3 | 31.4\% |
| ME1 | 476029 | 2020 | Dry | July | - | 54.2 | 43.0 | 11.2 | 20.7\% | 40.7 | 13.5 | 24.9\% | 34.0 | 20.2 | 37.3\% |
| ME1 | 476029 | 2020 | Dry | August | - | 47.7 | 36.4 | 11.3 | 23.6\% | 34.2 | 13.5 | 28.4\% | 27.4 | 20.3 | 42.6\% |
| ME1 | 476029 | 2020 | Dry | September | Used in Summary Table Analysis | 45.6 | 32.4 | 13.2 | 28.9\% | 29.5 | 16.1 | 35.3\% | 20.8 | 24.9 | 54.5\% |
| ME1 | 485942 | 2000 | Above Normal | October | Used in Summary Table Analysis | 413.2 | 403.0 | 10.3 | 2.5\% | 400.9 | 12.3 | 3.0\% | 394.6 | 18.6 | 4.5\% |
| ME1 | 485942 | 2000 | Above Normal | November | Used in Summary Table Analysis | 3,551.2 | 3,543.6 | 7.5 | 0.2\% | 3,542.1 | 9.0 | 0.3\% | 3,537.5 | 13.7 | 0.4\% |
| ME1 | 485942 | 2000 | Above Normal | December | -- | 5,814.5 | 5,808.0 | 6.5 | 0.1\% | 5,806.6 | 7.9 | 0.1\% | 5,802.7 | 11.8 | 0.2\% |
| ME1 | 485942 | 2000 | Above Normal | January | - | 12,915.5 | 12,909.7 | 5.8 | 0.0\% | 12,908.6 | 6.9 | 0.1\% | 12,903.9 | 11.6 | 0.1\% |
| ME1 | 485942 | 2000 | Above Normal | February |  | 20,267.4 | 20,261.6 | 5.8 | 0.0\% | 20,259.3 | 8.1 | 0.0\% | 20,255.8 | 11.6 | 0.1\% |
| ME1 | 485942 | 2000 | Above Normal | March | - | 12,425.9 | 12,420.1 | 5.8 | 0.0\% | 12,419.0 | 6.9 | 0.1\% | 12,415.5 | 10.4 | 0.1\% |
| ME1 | 485942 | 2000 | Above Normal | April | - | 6,819.9 | 6,813.7 | 6.3 | 0.1\% | 6,812.4 | 7.5 | 0.1\% | 6,808.8 | 11.1 | 0.2\% |
| ME1 | 485942 | 2000 | Above Normal | May | - | 4,235.3 | 4,223.6 | 11.7 | 0.3\% | 4,221.3 | 14.0 | 0.3\% | 4,214.6 | 20.7 | 0.5\% |
| ME1 | 485942 | 2000 | Above Normal | June | - | 1,972.7 | 1,951.0 | 21.6 | 1.1\% | 1,946.9 | 25.8 | 1.3\% | 1,934.6 | 38.1 | 1.9\% |
| ME1 | 485942 | 2000 | Above Normal | July | - | 909.7 | 888.8 | 20.8 | 2.3\% | 884.7 | 25.0 | 2.7\% | 872.2 | 37.5 | 4.1\% |
| ME1 | 485942 | 2000 | Above Normal | August | -- | 451.8 | 434.6 | 17.2 | 3.8\% | 431.1 | 20.7 | 4.6\% | 420.6 | 31.2 | 6.9\% |
| ME 1 | 485942 | 2000 | Above Normal | September | Used in Summary Table Analysis | 233.5 | 219.5 | 14.1 | 6.0\% | 216.6 | 16.9 | 7.2\% | 208.1 | 25.5 | 10.9\% |


| Surface Water Depletion Area Area of Interes | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | FlowWithout Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | 300\% Pumping Increase |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cts) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference | Flow (cts) | $\begin{gathered} \text { Fiffow } \\ \text { (cfs) } \\ \text { (ifence } \end{gathered}$ | Percent Difference |
| ME 1 | 48592 | 2001 | Dry |  | October | Used in Summary Table Analysis | 947.8 | 938.2 | 9.5 | 1.0\% | 936.3 | 11.5 | 1.2\% | 930.5 | 17.3 | 1.8\% |
| ME1 | 485942 | 2001 | Dry | November | Used in Summary Table Analysis | 2,655.2 | 2,647.9 | 7.3 | 0.3\% | 2,646.4 | 8.8 | 0.3\% | 2,641.9 | 13.3 | 0.5\% |
| ME1 | 485942 | 2001 | Dry | December - |  | 3,750.0 | 3,743.5 | 6.5 | 0.2\% | 3,742.1 | 7.9 | 0.2\% | 3,738.2 | 11.8 | 0.3\% |
| ME 1 | 485942 | 2001 | Dry | January | - | 5,975.1 | 5,969.0 | 6.1 | 0.1\% | 5,967.7 | 7.4 | 0.1\% | 5,964.0 | 11.1 | 0.2\% |
| ME1 | 485942 | 2001 | Dry | February | - | 8,662.7 | 8,656.9 | 5.8 | 0.1\% | 8,655.8 | 6.9 | 0.1\% | 8,652.3 | 10.4 | 0.1\% |
| ME1 | 485942 | 2001 | Dry | March | - | 7,035.8 | 7,030.0 | 5.8 | 0.1\% | 7,028.8 | 6.9 | 0.1\% | 7,025.3 | 10.4 | 0.1\% |
| ME1 | 485942 | 2001 | Dry | April | - | 5,758.9 | 5,748.1 | 10.8 | 0.2\% | 5,746.1 | 12.8 | 0.2\% | 5,739.9 | 19.0 | 0.3\% |
| ME1 | 485942 | 2001 | Dry | May | - | 2,029.2 | 2,013.3 | 15.9 | 0.8\% | 2,010.2 | 19.0 | 0.9\% | 2,000.7 | 28.5 | 1.4\% |
| ME1 | 485942 | 2001 | Dry | June | - | 1,247.6 | 1,224.0 | 23.6 | 1.9\% | 1,219.4 | 28.1 | 2.3\% | 1,206.3 | 41.3 | 3.3\% |
| ME1 | 485942 | 2001 | Dry | July | - | 647.4 | 623.8 | 23.6 | 3.6\% | 619.1 | 28.3 | 4.4\% | 609.8 | 37.6 | 5.8\% |
| ME1 | 485942 | 2001 | Dry | August | - | 109.5 | 89.6 | 19.9 | 18.1\% | 85.6 | 23.9 | 21.8\% | 75.6 | 33.9 | 31.0\% |
| ME1 | 485942 | 2001 | Dry | September | Used in Summary Table Analysis | 36.8 | 20.7 | 16.1 | 43.8\% | 17.4 | 19.4 | 52.7\% | 8.4 | 28.4 | 77.2\% |
| ME1 | 48592 | 2002 | Below Normal | October | Used in Summary Table Analysis | 116.0 | 104.5 | 11.5 | 9.9\% | 102.2 | 13.8 | 11.9\% | 94.9 | 21.2 | 18.2\% |
| ME1 | 48592 | 2002 | Below Normal | November | Used in Summary Table Analysis | 4,539.1 | 4,530.9 | 8.2 | 0.2\% | 4,529.3 | 9.8 | 0.2\% | 4,521.2 | 17.9 | 0.4\% |
| ME1 | 485942 | 2002 | Below Normal | December - |  | 21,186.3 | 21,179.4 | 6.9 | 0.0\% | 21,177.1 | 9.3 | 0.0\% | 21,172.5 | 13.9 | 0.1\% |
| ME1 | 485942 | 2002 | Below Normal | January | - | 20,819.4 | 20,813.7 | 5.8 | 0.0\% | 20,811.3 | 8.1 | 0.0\% | 20,807.9 | 11.6 | 0.1\% |
| ME1 | 485942 | 2002 | Below Normal | February | - | 16,041.7 | 16,034.7 | 6.9 | 0.0\% | 16,033.6 | 8.1 | 0.1\% | 16,028.9 | 12.7 | 0.1\% |
| ME 1 | 48592 | 2002 | Below Normal | March | - | 10,325.0 | 10,318.2 | 6.8 | 0.1\% | 10,316.8 | 8.2 | 0.1\% | 10,312.7 | 12.3 | 0.1\% |
| ME1 | 48592 | 2002 | Below Normal | April | - | 5,556.9 | 5,545.5 | 11.5 | 0.2\% | 5,543.3 | 13.7 | 0.2\% | 5,536.6 | 20.4 | 0.4\% |
| ME1 | 485942 | 2002 | Below Normal | May | - | 2,148.6 | 2,132.1 | 16.6 | 0.8\% | 2,128.7 | 19.9 | 0.9\% | 2,118.9 | 29.7 | 1.4\% |
| ME1 | 485942 | 2002 | Below Normal | June | - | 651.1 | 63.9 | 20.1 | 3.1\% | 627.0 | 24.0 | 3.7\% | 615.6 | 35.5 | 5.4\% |
| ME 1 | 485942 | 2002 | Below Normal | July | - | 295.6 | 274.4 | 21.2 | 7.2\% | 270.2 | 25.4 | 8.6\% | 258.1 | 37.5 | 12.7\% |
| ME 1 | 48592 | 2002 | Below Normal | August | - | 163.7 | 146.5 | 17.2 | 10.5\% | 143.0 | 20.7 | 12.7\% | 132.0 | 31.7 | 19.4\% |
| ME1 | 48592 | 2002 | Below Normal | September | Used in Summary Table Analysis | 105.1 | 89.4 | 15.7 | 15.0\% | 86.2 | 18.9 | 18.0\% | 76.5 | 28.6 | 27.2\% |
| ME1 | 485942 | 2003 | wet | October | Used in Summary Table Analysis | 81.9 | 71.4 | 10.6 | 12.9\% | 69.2 | 12.7 | 15.5\% | 62.7 | 19.2 | 23.5\% |
| ME1 | 485942 | 2003 | Wet | November | Used in Summary Table Analysis | 258.7 | 250.9 | 7.8 | 3.0\% | 249.4 | 9.4 | 3.6\% | 24.5 | 14.2 | 5.5\% |
| ME 1 | 485942 | 2003 | Wet | December - |  | 25,631.9 | 25,625.0 | 6.9 | 0.0\% | 25,623.8 | 8.1 | 0.0\% | 25,619.2 | 12.7 | 0.0\% |
| ME 1 | 48592 | 2003 | Wet | January | - | 23,622.7 | 23,615.7 | 6.9 | 0.0\% | 23,614.6 | 8.1 | 0.0\% | 23,611.1 | 11.6 | 0.0\% |
| ME1 | 48592 | 2003 | Wet | February | - | 14,653.9 | 14,648.1 | 5.8 | 0.0\% | 14,645.8 | 8.1 | 0.1\% | 14,642.4 | 11.6 | 0.1\% |
| ME1 | 485942 | 2003 | wet | March | - | 12,693.3 | 12,686.3 | 6.9 | 0.1\% | 12,685.2 | 8.1 | 0.1\% | 12,681.7 | 11.6 | 0.1\% |
| ME 1 | 48592 | 2003 | Wet | April | - | 20,488.4 | 20,482.6 | 5.8 | 0.0\% | 20,481.5 | 6.9 | 0.0\% | 20,476.9 | 11.6 | 0.1\% |
| ME1 | 485942 | 2003 | Wet | May | - | 10,054.3 | 10,042.5 | 11.8 | 0.1\% | 10,040.2 | 14.1 | 0.1\% | 10,033.3 | 20.9 | 0.2\% |
| ME1 | 48592 | 2003 | Wet | June | - | 3,072.5 | 3,050.3 | 22.1 | 0.7\% | 3,046.1 | 26.4 | 0.9\% | 3,033.6 | 38.9 | 1.3\% |
| ME1 | 48592 | 2003 | Wet | July | - | 1,393.8 | 1,372.7 | 21.1 | 1.5\% | 1,368.5 | 25.2 | 1.8\% | 1,356.0 | 37.7 | 2.7\% |
| ME1 | 485942 | 2003 | wet | August | -- | 679.4 | 662.0 | 17.4 | 2.6\% | 658.5 | 20.9 | 3.1\% | 648.0 | 31.4 | 4.6\% |
| ME 1 | 48592 | 2003 | Wet | September | Used in Summary Table Analysis | 394.0 | 379.8 | 14.2 | 3.6\% | 376.9 | 17.1 | 4.3\% | 368.4 | 25.6 | 6.5\% |
| ME1 | 48592 | 2004 | Wet | October | Used in Summary Table Analysis | 274.1 | 263.9 | 10.2 | 3.7\% | 261.9 | 12.2 | 4.5\% | 255.7 | 18.4 | 6.7\% |
| ME1 | 48592 | 2004 | Wet | November | Used in Summary Table Analysis | 1,518.6 | 1,511.0 | 7.6 | 0.5\% | 1,509.5 | 9.1 | 0.6\% | 1,504.9 | 13.8 | 0.9\% |
| ME1 | 48592 | 2004 | Wet | December - |  | 17,524.3 | 17,517.4 | 6.9 | 0.0\% | 17,516.2 | 8.1 | 0.0\% | 17,512.7 | 11.6 | 0.1\% |
| ME1 | 48592 | 2004 | wet | January | - | 20,762.7 | 20,755.8 | 6.9 | 0.0\% | 20,754.6 | 8.1 | 0.0\% | 20,751.2 | 11.6 | 0.1\% |
| ME 1 | 48592 | 2004 | Wet | February | - | 20,275.5 | 20,269.7 | 5.8 | 0.0\% | 20,268.5 | 6.9 | 0.0\% | 20,265.0 | 10.4 | 0.1\% |
| ME 1 | 48592 | 2004 | Wet | March | - | 12,274.3 | 12,268.5 | 5.8 | 0.0\% | 12,267.4 | 6.9 | 0.1\% | 12,263.9 | 10.4 | 0.1\% |
| ME1 | 48592 | 2004 | Wet | April | - | 5,833.9 | 5,827.7 | 6.3 | 0.1\% | 5,826.4 | 7.5 | 0.1\% | 5,822.8 | 11.1 | 0.2\% |
| ME 1 | 485942 | 2004 | Wet | May | - | 2,310.4 | 2,298.7 | 11.7 | 0.5\% | 2,296.5 | 13.9 | 0.6\% | 2,289.8 | 20.6 | 0.9\% |
| ME1 | 48592 | 2004 | wet | June | - | 614.6 | 593.1 | 21.5 | 3.5\% | 589.0 | 25.7 | 4.2\% | 576.7 | 37.9 | 6.2\% |
| ME 1 | 48594 | 2004 | Wet | July | - | 287.2 | 266.4 | 20.8 | 7.2\% | 262.3 | 25.0 | 8.7\% | 249.8 | 37.4 | 13.0\% |
| ME 1 | 48592 | 2004 | Wet | August | - | 163.5 | 146.3 | 17.2 | 10.5\% | 142.8 | 20.7 | 12.7\% | 132.2 | 31.3 | 19.2\% |
| ME1 | 48592 | 2004 | Wet | September | Used in Summary Table Analysis | 107.6 | 93.5 | 14.1 | 13.1\% | 90.7 | 17.0 | 15.8\% | 82.0 | 25.6 | 23.8\% |
| ME 1 | 485942 | 2005 | Above Normal | October | Used in Summary Table Analysis | 1,664.0 | 1,653.8 | 10.2 | 0.6\% | 1,651.9 | 12.2 | 0.7\% | 1,645.6 | 18.4 | 1.1\% |
| me 1 | 485942 | 2005 | Above Normal | November | Used in Summary Table Analysis | 1,265.3 | 1,257.8 | 7.5 | 0.6\% | 1,256.3 | 9.0 | 0.7\% | 1,251.6 | 13.7 | 1.1\% |
| ME1 | 48592 | 2005 | Above Normal | December - |  | 8,586.8 | 8,580.2 | 6.6 | 0.1\% | 8,578.9 | 7.9 | 0.1\% | 8,574.9 | 11.9 | 0.1\% |
| ME 1 | 48592 | 2005 | Above Normal | January | - | 13,535.9 | 13,530.1 | 5.8 | 0.0\% | 13,528.9 | 6.9 | 0.1\% | 13,525.5 | 10.4 | 0.1\% |
| ME1 | 485942 | 2005 | Above Normal | February |  | 9,280.3 | 9,274.3 | 6.0 | 0.1\% | 9,273.1 | 7.2 | 0.1\% | 9,269.6 | 10.8 | 0.1\% |
| ME 1 | 485942 | 2005 | Above Normal | March | - | 13,944.4 | 13,938.7 | 5.8 | 0.0\% | 13,937.5 | 6.9 | 0.0\% | 13,934.0 | 10.4 | 0.1\% |
| me 1 | 485942 | 2005 | Above Normal | April | - | 11,990.7 | 11,985.0 | 5.8 | 0.0\% | 11,983.8 | 6.9 | 0.1\% | 11,980.3 | 10.4 | 0.1\% |
| ME 1 | 485942 | 2005 | Above Normal | May | - | 10,761.3 | 10,749.5 | 11.8 | 0.1\% | 10,747.3 | 14.0 | 0.1\% | 10,740.5 | 20.8 | 0.2\% |
| ME 1 | 485942 | 2005 | Above Normal | June | - | 9,164.4 | 9,142.4 | 22.0 | 0.2\% | 9,138.1 | 26.3 | 0.3\% | 9,125.5 | 38.9 | 0.4\% |
| ME1 | 485942 | 2005 | Above Normal | July | - | 2,770.5 | 2,749.5 | 20.9 | 0.8\% | 2,745.4 | 25.1 | 0.9\% | 2,732.8 | 37.7 | 1.4\% |
| ME 1 | 485942 | 2005 | Above Normal | August | - | 901.6 | 884.3 | 17.2 | 1.9\% | 880.9 | 20.7 | 2.3\% | 870.4 | 31.1 | 3.5\% |
| ME1 | 485942 | 2005 | Above Normal | September | Used in Summary Table Analysis | 453.2 | 439.1 | 14.1 | 3.1\% | 436.2 | 16.9 | 3.7\% | 427.7 | 25.5 | 5.6\% |
| ME1 | 485942 | 2006 | Wet | October | Used in Summary Table Analysis | 365.9 | 356.3 | 9.6 | 2.6\% | 354.4 | 11.6 | 3.2\% | 348.5 | 17.4 | 4.8\% |
| ME 1 | 485942 | 2006 | Wet | November | Used in Summary Table Analysis | 2,520.1 | 2,512.8 | 7.3 | 0.3\% | 2,511.3 | 8.8 | 0.3\% | 2,506.9 | 13.2 | 0.5\% |
| ME 1 | 485942 | 2006 | Wet | December - |  | 22,588.0 | 22,581.0 | 6.9 | 0.0\% | 22,579.9 | 8.1 | 0.0\% | 22,576.4 | 11.6 | 0.1\% |
| ME 1 | 485942 | 2006 | Wet | January | - | 28,590.3 | 28,583.3 | 6.9 | 0.0\% | 28,582.2 | 8.1 | 0.0\% | 28,578.7 | 11.6 | 0.0\% |

thly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interes | (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | \% Pumping Inc |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { How } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME 1 | 485942 | 2006 | Wet |  | February | - | 16,953.7 | 16,947.9 | 5.8 | 0.0\% | 16,946.8 | 6.9 | 0.0\% | 16,943.3 | 10.4 | 0.1\% |
| ME 1 | 48592 | 2006 | wet | March | - | 23,273.1 | 23,267.4 | 5.8 | 0.0\% | 23,266.2 | 6.9 | 0.0\% | 23,262.7 | 10.4 | 0.0\% |
| ME 1 | 48592 | 2006 | Wet | April | - | 18,674.8 | 18,669.0 | 5.8 | 0.0\% | 18,667.8 | 6.9 | 0.0\% | 18,664.4 | 10.4 | 0.1\% |
| ME 1 | 48592 | 2006 | Wet | May | - | 9,409.4 | 9,400.9 | 8.4 | 0.1\% | 9,399.2 | 10.2 | 0.1\% | 9,394.3 | 15.0 | 0.2\% |
| ME1 | 48592 | 2006 | Wet | June | - | 2,969.8 | 2,951.4 | 18.4 | 0.6\% | 2,947.8 | 22.0 | 0.7\% | 2,937.4 | 32.4 | 1.1\% |
| ME 1 | 48592 | 2006 | Wet | July | - | 1,184.7 | 1,163.7 | 21.1 | 1.8\% | 1,159.5 | 25.2 | 2.1\% | 1,147.3 | 37.5 | 3.2\% |
| ME 1 | 48592 | 2006 | wet | August | - | 585.1 | 566.9 | 18.2 | 3.1\% | 563.3 | 21.8 | 3.7\% | 552.3 | 32.8 | 5.6\% |
| ME 1 | 48592 | 2006 | Wet | September | Used in Summary Table Analysis | 355.3 | 340.7 | 14.6 | 4.1\% | 337.8 | 17.5 | 4.9\% | 329.0 | 26.3 | 7.4\% |
| ME1 | 48592 | 2007 | Above Normal | October | Used in Summary Table Analysis | 216.0 | 205.8 | 10.2 | 4.7\% | 203.8 | 12.2 | 5.6\% | 197.5 | 18.4 | 8.5\% |
| ME1 | 485942 | 2007 | Above Normal | November | Used in Summary Table Analysis | 2,527.9 | 2,520.4 | 7.5 | 0.3\% | 2,518.9 | 9.0 | 0.4\% | 2,514.2 | 13.7 | 0.5\% |
| ME 1 | 485942 | 2007 | Above Normal | December | - | 9,032.8 | 9,026.0 | 6.7 | 0.1\% | 9,024.7 | 8.1 | 0.1\% | 9,020.5 | 12.3 | 0.1\% |
| ME1 | 48592 | 2007 | Above Normal | January | - | 7,656.0 | 7,649.7 | 6.4 | 0.1\% | 7,648.4 | 7.6 | 0.1\% | 7,644.4 | 11.6 | 0.2\% |
| ME 1 | 48592 | 2007 | Above Normal | February | - | 12,370.4 | 12,364,6 | 5.8 | 0.0\% | 12,363.4 | 6.9 | 0.1\% | 12,358.8 | 11.6 | 0.1\% |
| ME1 | 48592 | 2007 | Above Normal | March | - | 7,943.5 | 7,936.8 | 6.7 | 0.1\% | 7,935.5 | 8.0 | 0.1\% | 7,931.6 | 11.9 | 0.2\% |
| ME1 | 485942 | 2007 | Above Normal | April | - | 4,932.3 | 4,920.9 | 11.3 | 0.2\% | 4,918.8 | 13.5 | 0.3\% | 4,912.2 | 20.1 | 0.4\% |
| ME1 | 485942 | 2007 | Above Normal | May | - | 2,825.6 | 2,809.0 | 16.6 | 0.6\% | 2,805.8 | 19.8 | 0.7\% | 2,795.9 | 29.6 | 1.0\% |
| ME1 | 48592 | 2007 | Above Normal | June | - | 1,014.2 | 994.1 | 20.1 | 2.0\% | 990.2 | 24.0 | 2.4\% | 978.8 | 35.4 | 3.5\% |
| ME1 | 48592 | 2007 | Above Normal | July | - | 379.3 | 358.1 | 21.1 | 5.6\% | 353.9 | 25.4 | 6.7\% | 341.7 | 37.5 | 9.9\% |
| ME1 | 48594 | 2007 | Above Normal | August | -- | 156.8 | 139.7 | 17.1 | 10.9\% | 136.2 | 20.6 | 13.1\% | 125.3 | 31.5 | 20.1\% |
| ME1 | 485942 | 2007 | Above Normal | September | Used in Summary Table Analysis | 89.2 | 73.6 | 15.7 | 17.5\% | 70.4 | 18.8 | 21.1\% | 60.7 | 28.5 | 31.9\% |
| ME1 | 48592 | 2008 | Dry | October | Used in Summary Table Analysis | 427.2 | 416.9 | 10.3 | 2.4\% | 414.8 | 12.4 | 2.9\% | 408.4 | 18.8 | 4.4\% |
| ME1 | 48592 | 2008 | Dry | November | Used in Summary Table Analysis | 1,034.7 | 1,027.2 | 7.5 | 0.7\% | 1,025.6 | 9.1 | 0.9\% | 1,021.0 | 13.7 | 1.3\% |
| ME1 | 48592 | 2008 | Dry | December |  | 8,263.9 | 8,257.4 | 6.5 | 0.1\% | 8,256.1 | 7.8 | 0.1\% | 8,252.1 | 11.8 | 0.1\% |
| ME1 | 48592 | 2008 | Dry | January | - | 21,000.0 | 20,993.1 | 6.9 | 0.0\% | 20,991.9 | 8.1 | 0.0\% | 20,987.3 | 12.7 | 0.1\% |
| ME1 | 48592 | 2008 | Dry | February | - | 19,610.0 | 19,604.2 | 5.8 | 0.0\% | 19,603.0 | 6.9 | 0.0\% | 19,599.5 | 10.4 | 0.1\% |
| ME1 | 485942 | 2008 | Dry | March | - | 8,549.5 | 8,543.6 | 5.9 | 0.1\% | 8,542.5 | 7.1 | 0.1\% | 8,539.0 | 10.5 | 0.1\% |
| ME1 | 48592 | 2008 | Dry | April | - | 4,623.7 | 4,613.2 | 10.5 | 0.2\% | 4,611.2 | 12.5 | 0.3\% | 4,605.2 | 18.5 | 0.4\% |
| ME1 | 48592 | 2008 | Dry | May |  | 1,289.7 | 1,273.8 | 15.9 | 1.2\% | 1,270.7 | 19.0 | 1.5\% | 1,261.3 | 28.4 | 2.2\% |
| ME1 | 48592 | 2008 | Dry | June | - | 351.6 | 328.7 | 22.9 | 6.5\% | 324.3 | 27.3 | 7.8\% | 311.6 | 40.0 | 11.4\% |
| ME1 | 48592 | 2008 | Dry | July | - | 198.2 | 175.3 | 22.9 | 11.5\% | 170.8 | 27.4 | 13.8\% | 161.9 | 36.3 | 18.3\% |
| ME1 | 48592 | 2008 | Dry | August | -- | 124.1 | 104.7 | 19.4 | 15.7\% | 100.7 | 23.4 | 18.9\% | 91.0 | 33.1 | 26.7\% |
| ME1 | 48592 | 2008 | Dry | September | Used in Summary Table Analysis | 97.1 | 81.2 | 15.9 | 16.4\% | 77.9 | 19.1 | 19.7\% | 69.0 | 28.0 | 28.9\% |
| ME1 | 48592 | 2009 | Critical | October | Used in Summary Table Analysis | 254.0 | 242.7 | 11.3 | 4.4\% | 240.4 | 13.6 | 5.3\% | 233.0 | 20.9 | 8.2\% |
| ME1 | 485942 | 2009 | Critical | November | Used in Summary Table Analysis | 1,477.0 | 1,469.0 | 8.0 | 0.5\% | 1,467.2 | 9.7 | 0.7\% | 1,459.4 | 17.6 | 1.2\% |
| ME1 | 485942 | 2009 | Critical | December | - | 4,650.5 | 4,643.6 | 6.8 | 0.1\% | 4,642.2 | 8.2 | 0.2\% | 4,637.2 | 13.3 | 0.3\% |
| ME1 | 48592 | 2009 | Critical | January | - | 4,262.2 | 4,255.2 | 6.9 | 0.2\% | 4,253.8 | 8.3 | 0.2\% | 4,249.3 | 12.8 | 0.3\% |
| ME1 | 48592 | 2009 | Critical | February |  | 8,764.1 | 8,758.0 | 6.1 | 0.1\% | 8,756.8 | 7.3 | 0.1\% | 8,753.0 | 11.1 | 0.1\% |
| ME1 | 48592 | 2009 | Critical | March | - | 9,882.4 | 9,876.5 | 5.9 | 0.1\% | 9,875.3 | 7.1 | 0.1\% | 9,871.8 | 10.6 | 0.1\% |
| ME1 | 485942 | 2009 | Critical | April | - | 5,261.8 | 5,251.3 | 10.5 | 0.2\% | 5,249.2 | 12.6 | 0.2\% | 5,243.1 | 18.8 | 0.4\% |
| ME1 | 48592 | 2009 | Critical | May | - | 5,086.0 | 5,069.9 | 16.1 | 0.3\% | 5,066.8 | 19.2 | 0.4\% | 5,057.2 | 28.8 | 0.6\% |
| ME1 | 48592 | 2009 | Critical | June | - | 2,809.6 | 2,786.3 | 23.3 | 0.8\% | 2,781.8 | 27.8 | 1.0\% | 2,768.9 | 40.7 | 1.5\% |
| ME1 | 48592 | 2009 | Critical | July | - | 1,181.8 | 1,158.8 | 23.0 | 1.9\% | 1,154.2 | 27.7 | 2.3\% | 1,145.1 | 36.7 | 3.1\% |
| ME1 | 485942 | 2009 | Critical | August | - | 600.9 | 581.4 | 19.5 | 3.2\% | 577.5 | 23.4 | 3.9\% | 567.6 | 33.3 | 5.5\% |
| ME1 | 485942 | 2009 | Critical | September | Used in Summary Table Analysis | 329.5 | 313.6 | 15.9 | 4.8\% | 310.3 | 19.1 | 5.8\% | 301.4 | 28.1 | 8.5\% |
| ME1 | 48592 | 2010 | Below Normal | October | Used in Summary Table Analysis | 973.2 | 961.7 | 11.5 | 1.2\% | 959.4 | 13.9 | 1.4\% | 951.9 | 21.3 | 2.2\% |
| ME1 | 48592 | 2010 | Below Normal | November | Used in Summary Table Analysis | 2,112.2 | 2,103.8 | 8.3 | 0.4\% | 2,102.2 | 10.0 | 0.5\% | 2,094.1 | 18.1 | 0.9\% |
| ME1 | 48592 | 2010 | Below Normal | December |  | 5,849.7 | 5,842.7 | 6.9 | 0.1\% | 5,841.2 | 8.4 | 0.1\% | 5,836.1 | 13.5 | 0.2\% |
| ME1 | 485942 | 2010 | Below Normal | January | - | 17,463.0 | 17,456.0 | 6.9 | 0.0\% | 17,454.9 | 8.1 | 0.0\% | 17,450.2 | 12.7 | 0.1\% |
| ME1 | 485942 | 2010 | Below Normal | February |  | 15,397.0 | 15,390.0 | 6.9 | 0.0\% | 15,388.9 | 8.1 | 0.1\% | 15,385.4 | 11.6 | 0.1\% |
| ME1 | 48592 | 2010 | Below Normal | March | - | 12,664.4 | 12,657.4 | 6.9 | 0.1\% | 12,656.3 | 8.1 | 0.1\% | 12,652.8 | 11.6 | 0.1\% |
| ME1 | 48592 | 2010 | Below Normal | April | - | 16,857.6 | 16,850.7 | 6.9 | 0.0\% | 16,849.5 | 8.1 | 0.0\% | 16,846.1 | 11.6 | 0.1\% |
| ME1 | 48592 | 2010 | Below Normal | May |  | 13,597.2 | 13,585.6 | 11.6 | 0.1\% | 13,583.3 | 13.9 | 0.1\% | 13,576.4 | 20.8 | 0.2\% |
| ME1 | 48592 | 2010 | Below Normal | June | - | 5,529.2 | 5,507.1 | 22.1 | 0.4\% | 5,502.8 | 26.4 | 0.5\% | 5,490.2 | 39.0 | 0.7\% |
| ME1 | 485942 | 2010 | Below Normal | July | - | 1,355.6 | 1,334.6 | 20.9 | 1.5\% | 1,330.3 | 25.2 | 1.9\% | 1,317.8 | 37.7 | 2.8\% |
| ME 1 | 48592 | 2010 | Below Normal | August | -- | 485.5 | 468.1 | 17.4 | 3.6\% | 464.6 | 20.9 | 4.3\% | 454.1 | 31.4 | 6.5\% |
| ME1 | 48592 | 2010 | Below Normal | September | Used in Summary Table Analysis | 312.0 | 297.8 | 14.3 | 4.6\% | 294.9 | 17.1 | 5.5\% | 286.3 | 25.7 | 8.2\% |
| ME 1 | 48592 | 2011 | Wet | October | Used in Summary Table Analysis | 2,333.4 | 2,323.5 | 10.0 | 0.4\% | 2,321.4 | 12.0 | 0.5\% | 2,315.4 | 18.1 | 0.8\% |
| ME 1 | 485942 | 2011 | Wet | November | Used in Summary Table Analysis | 7,879.3 | 7,871.8 | 7.5 | 0.1\% | 7,870.4 | 8.9 | 0.1\% | 7,865.7 | 13.5 | 0.2\% |
| ME1 | 485942 | 2011 | Wet | December |  | 15,506.9 | 15,501.2 | 5.8 | 0.0\% | 15,498.8 | 8.1 | 0.1\% | 15,495.4 | 11.6 | 0.1\% |
| ME 1 | 48592 | 2011 | Wet | January | - | 10,557.5 | 10,551.2 | 6.4 | 0.1\% | 10,550.0 | 7.5 | 0.1\% | 10,546.2 | 11.3 | 0.1\% |
| ME 1 | 48592 | 2011 | wet | February |  | 9,919.1 | 9,913.0 | 6.1 | 0.1\% | 9,911.8 | 7.3 | 0.1\% | 9,908.2 | 10.9 | 0.1\% |
| ME1 | 485942 | 2011 | Wet | March | - | 22,855.3 | 22,848.4 | 6.9 | 0.0\% | 22,847.2 | 8.1 | 0.0\% | 22,843.8 | 11.6 | 0.1\% |
| ME1 | 48592 | 2011 | Wet | April |  | 13,566.0 | 13,560.2 | 5.8 | 0.0\% | 13,559.0 | 6.9 | 0.1\% | 13,554.4 | 11.6 | 0.1\% |
| ME 1 | 485942 | 2011 | Wet | May | - | 6,486.5 | 6,474.4 | 12.0 | 0.2\% | 6,472.0 | 14.5 | 0.2\% | 6,465.2 | 21.3 | 0.3\% |

nethy Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interes | $\begin{aligned} & \text { Model Cell } \\ & \text { (Row, Column, } \\ & \text { Surface Water } \\ & \text { Reach) } \end{aligned}$ | Water Year Water Year Type |  | Month |  | Flow Without Pumping ( cfs ) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | 0\% Pumping Inc |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\underset{\substack{\text { Difforencence } \\ \text { (ffs) }}}{\text { Fole }}$ | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference |
| ME1 | 485942 | 2011 | Wet |  | June | - | 3,838.4 | 3,816.4 | 22.0 | 0.6\% | 3,812.2 | 26.3 | 0.7\% | 3,799.7 | 38.8 | 1.0\% |
| ME1 | 485942 | 2011 | Wet | July | - | 1,607.1 | 1,585.9 | 21.2 | 1.3\% | 1,581.7 | 25.3 | 1.6\% | 1,569.1 | 38.0 | 2.4\% |
| ME1 | 485942 | 2011 | Wet | August | - | 697.9 | 680.2 | 17.7 | 2.5\% | 676.7 | 21.2 | 3.0\% | 665.9 | 32.0 | 4.6\% |
| ME1 | 485942 | 2011 | Wet | September | Used in Summary Table Analysis | 364.6 | 349.5 | 15.1 | 4.1\% | 346.5 | 18.1 | 5.0\% | 337.4 | 27.2 | 7.5\% |
| ME1 | 485942 | 2012 | Below Normal | October | Used in Summary Table Analysis | 937.1 | 926.5 | 10.6 | 1.1\% | 924.3 | 12.8 | 1.4\% | 917.8 | 19.3 | 2.1\% |
| ME1 | 485942 | 2012 | Below Normal | November | Used in Summary Table Analysis | 3,262.0 | 3,254.1 | 8.0 | 0.2\% | 3,252.4 | 9.6 | 0.3\% | 3,247.6 | 14.5 | 0.4\% |
| ME1 | 485942 | 2012 | Below Normal | December |  | 3,152.4 | 3,145.4 | 7.1 | 0.2\% | 3,143.9 | 8.6 | 0.3\% | 3,139.6 | 12.8 | 0.4\% |
| ME1 | 485942 | 2012 | Below Normal | January | - | 8,226.9 | 8,220.1 | 6.7 | 0.1\% | 8,218.8 | 8.1 | 0.1\% | 8,214.7 | 12.2 | 0.1\% |
| ME1 | 485942 | 2012 | Below Normal | February | - | 11,417.8 | 11,411.3 | 6.5 | 0.1\% | 11,410.0 | 7.9 | 0.1\% | 11,406.1 | 11.7 | 0.1\% |
| ME1 | 485942 | 2012 | Below Normal | March | - | 19,726.9 | 19,719.9 | 6.9 | 0.0\% | 19,718.8 | 8.1 | 0.0\% | 19,715.3 | 11.6 | 0.1\% |
| ME1 | 485942 | 2012 | Below Normal | April | - | 14,141.2 | 14,134.3 | 6.9 | 0.0\% | 14,133.1 | 8.1 | 0.1\% | 14,128.5 | 12.7 | 0.1\% |
| ME1 | 485942 | 2012 | Below Normal | May | - | 5,384.5 | 5,372.6 | 11.9 | 0.2\% | 5,370.1 | 14.4 | 0.3\% | 5,363.3 | 21.2 | 0.4\% |
| ME1 | 485942 | 2012 | Below Normal | June | - | 2,398.5 | 2,375.7 | 22.8 | 1.0\% | 2,371.3 | 27.2 | 1.1\% | 2,358.4 | 40.0 | 1.7\% |
| ME1 | 485942 | 2012 | Below Normal | July | - | 1,095.7 | 1,075.7 | 20.0 | 1.8\% | 1,071.7 | 24.0 | 2.2\% | 1,059.8 | 36.0 | 3.3\% |
| ME1 | 485942 | 2012 | Below Normal | August | - | 307.0 | 29.2 | 15.9 | 5.2\% | 288.0 | 19.1 | 6.2\% | 278.3 | 28.8 | 9.4\% |
| ME1 | 485942 | 2012 | Below Normal | September | Used in Summary Table Analysis | 177.2 | 164.1 | 13.1 | 7.4\% | 161.5 | 15.8 | 8.9\% | 153.5 | 23.8 | 13.4\% |
| ME1 | 485942 | 2013 | Below Normal | October | Used in Summary Table Analysis | 383.0 | 372.9 | 10.1 | 2.6\% | 370.9 | 12.1 | 3.2\% | 364.7 | 18.3 | 4.8\% |
| ME 1 | 485942 | 2013 | Below Normal | November | Used in Summary Table Analysis | 4,894.1 | 4,886.7 | 7.4 | 0.2\% | 4,885.2 | 8.9 | 0.2\% | 4,880.6 | 13.5 | 0.3\% |
| ME1 | 485942 | 2013 | Below Normal | December |  | 27,238.4 | 27,231.5 | 6.9 | 0.0\% | 27,230.3 | 8.1 | 0.0\% | 27,225.7 | 12.7 | 0.0\% |
| ME1 | 485942 | 2013 | Below Normal | January | - | 17,191.0 | 17,184.0 | 6.9 | 0.0\% | 17,182.9 | 8.1 | 0.0\% | 17,179.4 | 11.6 | 0.1\% |
| ME1 | 485942 | 2013 | Below Normal | February | - | 5,690.4 | 5,683.8 | 6.6 | 0.1\% | 5,682.5 | 7.9 | 0.1\% | 5,678.7 | 11.7 | 0.2\% |
| ME1 | 485942 | 2013 | Below Normal | March | - | 4,554.6 | 4,547.8 | 6.8 | 0.1\% | 4,546.5 | 8.1 | 0.2\% | 4,542.6 | 12.0 | 0.3\% |
| ME1 | 485942 | 2013 | Below Normal | April | - | 3,843.3 | 3,832.1 | 11.2 | 0.3\% | 3,829.9 | 13.4 | 0.3\% | 3,823.4 | 19.9 | 0.5\% |
| ME1 | 485942 | 2013 | Below Normal | May | - | 2,103.9 | 2,087.5 | 16.4 | 0.8\% | 2,084.3 | 19.7 | 0.9\% | 2,074.4 | 29.5 | 1.4\% |
| ME1 | 485942 | 2013 | Below Normal | June | - | 1,083.1 | 1,063.1 | 20.0 | 1.8\% | 1,059.2 | 23.9 | 2.2\% | 1,047.8 | 35.3 | 3.3\% |
| ME1 | 485942 | 2013 | Below Normal | July | - | 643.4 | 622.2 | 21.1 | 3.3\% | 618.0 | 25.4 | 3.9\% | 606.0 | 37.4 | 5.8\% |
| ME1 | 485942 | 2013 | Below Normal | August | - | 274.0 | 256.8 | 17.2 | 6.3\% | 253.3 | 20.6 | 7.5\% | 242.3 | 31.6 | 11.5\% |
| ME1 | 485942 | 2013 | Below Normal | September | Used in Summary Table Analysis | 874.8 | 859.1 | 15.7 | 1.8\% | 855.9 | 18.9 | 2.2\% | 846.2 | 28.6 | 3.3\% |
| ME1 | 485942 | 2014 | Critical | October | Used in Summary Table Analysis | 191.3 | 181.2 | 10.1 | 5.3\% | 179.1 | 12.2 | 6.4\% | 172.8 | 18.4 | 9.6\% |
| ME1 | 485942 | 2014 | Critical | November | Used in Summary Table Analysis | 353.9 | 346.2 | 7.7 | 2.2\% | 344.6 | 9.3 | 2.6\% | 339.9 | 14.0 | 4.0\% |
| ME1 | 485942 | 2014 | Critical | December |  | 649.6 | 642.6 | 7.0 | 1.1\% | 641.2 | 8.4 | 1.3\% | 636.9 | 12.7 | 2.0\% |
| ME1 | 485942 | 2014 | Critical | January | - | 963.2 | 956.7 | 6.4 | 0.7\% | 955.4 | 7.8 | 0.8\% | 951.5 | 11.7 | 1.2\% |
| ME1 | 485942 | 2014 | Critical | February | - | 5,726.6 | 5,720.6 | 6.0 | 0.1\% | 5,719.3 | 7.3 | 0.1\% | 5,715.6 | 11.0 | 0.2\% |
| ME1 | 485942 | 2014 | Critical | March | - | 16,438.7 | 16,432.9 | 5.8 | 0.0\% | 16,431.7 | 6.9 | 0.0\% | 16,428.2 | 10.4 | 0.1\% |
| ME1 | 485942 | 2014 | Critical | April | - | 9,298.5 | 9,287.6 | 10.9 | 0.1\% | 9,285.5 | 13.0 | 0.1\% | 9,279.2 | 19.3 | 0.2\% |
| ME1 | 485942 | 2014 | Critical | May | - | 3,299.0 | 3,282.9 | 16.1 | 0.5\% | 3,279.6 | 19.3 | 0.6\% | 3,269.9 | 29.1 | 0.9\% |
| ME1 | 485942 | 2014 | Critical | June | - | 1,064.5 | 1,040.3 | 24.2 | 2.3\% | 1,035.6 | 28.9 | 2.7\% | 1,022.0 | 42.5 | 4.0\% |
| ME1 | 485942 | 2014 | Critical | July | - | 480.9 | 457.6 | 23.3 | 4.8\% | 452.9 | 27.9 | 5.8\% | 443.8 | 37.1 | 7.7\% |
| ME1 | 485942 | 2014 | Critical | August | - | 286.9 | 267.6 | 19.3 | 6.7\% | 263.7 | 23.3 | 8.1\% | 254.0 | 33.0 | 11.5\% |
| ME1 | 485942 | 2014 | Critical | September | Used in Summary Table Analysis | 437.7 | 422.0 | 15.7 | 3.6\% | 418.8 | 18.9 | 4.3\% | 410.0 | 27.7 | 6.3\% |
| ME1 | 485942 | 2015 | Dry | October | Used in Summary Table Analysis | 2,948.5 | 2,937.3 | 11.2 | 0.4\% | 2,935.0 | 13.5 | 0.5\% | 2,927.5 | 20.9 | 0.7\% |
| ME1 | 485942 | 2015 | Dry | November | Used in Summary Table Analysis | 4,721.2 | 4,713.2 | 8.0 | 0.2\% | 4,711.6 | 9.6 | 0.2\% | 4,703.7 | 17.5 | 0.4\% |
| ME1 | 485942 | 2015 | Dry | December | - | 16,760.4 | 16,753.5 | 6.9 | 0.0\% | 16,752.3 | 8.1 | 0.0\% | 16,747.7 | 12.7 | 0.1\% |
| ME1 | 485942 | 2015 | Dry | January | - | 12,089.1 | 12,082.2 | 6.9 | 0.1\% | 12,081.0 | 8.1 | 0.1\% | 12,076.4 | 12.7 | 0.1\% |
| ME1 | 485942 | 2015 | Dry | February | - | 11,914.4 | 11,908.6 | 5.8 | 0.0\% | 11,907.4 | 6.9 | 0.1\% | 11,903.9 | 10.4 | 0.1\% |
| ME1 | 485942 | 2015 | Dry | March | - | 7,366.3 | 7,360.4 | 5.9 | 0.1\% | 7,359.3 | 7.1 | 0.1\% | 7,355.7 | 10.6 | 0.1\% |
| ME1 | 485942 | 2015 | Dry | April |  | 3,743.2 | 3,732.6 | 10.5 | 0.3\% | 3,730.7 | 12.5 | 0.3\% | 3,724.7 | 18.5 | 0.5\% |
| ME1 | 485942 | 2015 | Dry | May | - | 1,363.3 | 1,347.5 | 15.9 | 1.2\% | 1,344.2 | 19.1 | 1.4\% | 1,334.8 | 28.5 | 2.1\% |
| ME1 | 485942 | 2015 | Dry | June | - | 470.7 | 447.8 | 23.0 | 4.9\% | 443.3 | 27.4 | 5.8\% | 430.6 | 40.1 | 8.5\% |
| ME1 | 485942 | 2015 | Dry | July | - | 208.0 | 185.1 | 22.9 | 11.0\% | 180.5 | 27.5 | 13.2\% | 171.7 | 36.4 | 17.5\% |
| ME1 | 485942 | 2015 | Dry | August | - | 108.6 | 89.2 | 19.5 | 17.9\% | 85.2 | 23.4 | 21.6\% | 75.5 | 33.1 | 30.5\% |
| ME1 | 485942 | 2015 | Dry | September | Used in Summary Table Analysis | 66.3 | 50.3 | 15.9 | 24.1\% | 47.1 | 19.2 | 28.9\% | 38.2 | 28.1 | 42.4\% |
| ME1 | 485942 | 2016 | Above Normal | October | Used in Summary Table Analysis | 40.4 | 29.3 | 11.1 | 27.5\% | 27.0 | 13.4 | 33.1\% | 19.8 | 20.6 | 50.9\% |
| ME1 | 485942 | 2016 | Above Normal | November | Used in Summary Table Analysis | 750.2 | 742.0 | 8.3 | 1.1\% | 740.3 | 10.0 | 1.3\% | 732.0 | 18.2 | 2.4\% |
| ME1 | 485942 | 2016 | Above Normal | December | - | 16,076.4 | 16,069.4 | 6.9 | 0.0\% | 16,068.3 | 8.1 | 0.1\% | 16,062.5 | 13.9 | 0.1\% |
| ME1 | 485942 | 2016 | Above Normal | January | - | 35,657.4 | 35,650.5 | 6.9 | 0.0\% | 35,649.3 | 8.1 | 0.0\% | 35,644.7 | 12.7 | 0.0\% |
| ME1 | 485942 | 2016 | Above Normal | February |  | 18,644.7 | 18,637.7 | 6.9 | 0.0\% | 18,636.6 | 8.1 | 0.0\% | 18,633.1 | 11.6 | 0.1\% |
| ME1 | 485942 | 2016 | Above Normal | March | - | 21,141.2 | 21,135.4 | 5.8 | 0.0\% | 21,133.1 | 8.1 | 0.0\% | 21,129.6 | 11.6 | 0.1\% |
| ME1 | 485942 | 2016 | Above Normal | April | - | 12,746.5 | 12,740.7 | 5.8 | 0.0\% | 12,739.6 | 6.9 | 0.1\% | 12,736.1 | 10.4 | 0.1\% |
| ME1 | 485942 | 2016 | Above Normal | May | - | 3,929.9 | 3,921.6 | 8.2 | 0.2\% | 3,920.0 | 9.8 | 0.3\% | 3,915.3 | 14.6 | 0.4\% |
| ME1 | 485942 | 2016 | Above Normal | June | - | 1,416.8 | 1,398.4 | 18.4 | 1.3\% | 1,394.8 | 22.0 | 1.6\% | 1,384.4 | 32.4 | 2.3\% |
| ME1 | 485942 | 2016 | Above Normal | July | - | 748.9 | 728.3 | 20.6 | 2.8\% | 724.2 | 24.7 | 3.3\% | 712.2 | 36.7 | 4.9\% |
| ME1 | 485942 | 2016 | Above Normal | August | -- | 425.6 | 407.5 | 18.1 | 4.2\% | 403.9 | 21.7 | 5.1\% | 392.9 | 32.7 | 7.7\% |
| ME 1 | 485942 | 2016 | Above Normal | September | Used in Summary Table Analysis | 266.6 | 251.7 | 14.8 | 5.6\% | 248.7 | 17.8 | 6.7\% | 239.7 | 26.9 | 10.1\% |


| Surface Water Depletion Area Area of Interest | Model Cell(Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | \% Pumping Inc |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { How } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME 1 | 485942 | 2017 | Wet |  | October | Used in Summary Table Analysis | 5,119.6 | 5,110.0 | 9.6 | 0.2\% | 5,108.0 | 11.6 | 0.2\% | 5,102.0 | 17.6 | 0.3\% |
| ME 1 | 48592 | 2017 | Wet | November | Used in Summary Table Analysis | 11,107.6 | 11,100.5 | 7.2 | 0.1\% | 11,099.0 | 8.7 | 0.1\% | 11,094.6 | 13.1 | 0.1\% |
| ME 1 | 48592 | 2017 | Wet | December | - | 14,188.7 | 14,181.7 | 6.9 | 0.0\% | 14,180.6 | 8.1 | 0.1\% | 14,177.1 | 11.6 | 0.1\% |
| ME 1 | 48592 | 2017 | Wet | January | - | 70,483.8 | 70,476.9 | 6.9 | 0.0\% | 70,475.7 | 8.1 | 0.0\% | 70,472.2 | 11.6 | 0.0\% |
| ME1 | 485942 | 2017 | Wet | February | - | 47,223.4 | 47,216.4 | 6.9 | 0.0\% | 47,215.3 | 8.1 | 0.0\% | 47,211.8 | 11.6 | 0.0\% |
| ME 1 | 48592 | 2017 | Wet | March | - | 20,575.2 | 20,569.4 | 5.8 | 0.0\% | 20,568.3 | 6.9 | 0.0\% | 20,564.8 | 10.4 | 0.1\% |
| ME 1 | 48592 | 2017 | wet | April | - | 14,496.5 | 14,489.6 | 6.9 | 0.0\% | 14,488.4 | 8.1 | 0.1\% | 14,485.0 | 11.6 | 0.1\% |
| ME 1 | 48592 | 2017 | wet | may | - | 6,069.6 | 6,060.5 | 9.0 | 0.1\% | 6,058.8 | 10.8 | 0.2\% | 6,053.7 | 15. | 0.3\% |
| ME1 | 48592 | 2017 | Wet | June | - | 1,903.5 | 1,885.3 | 18.2 | 1.0\% | 1,881.8 | 21.6 | 1.1\% | 1,871.9 | 31.6 | 1.7\% |
| ME1 | 485942 | 2017 | Wet | July | - | 859.1 | 837.9 | 21.3 | 2.5\% | 833.7 | 25.5 | 3.0\% | 821.3 | 37.9 | 4.4\% |
| ME 1 | 485942 | 2017 | Wet | August | - | 436.1 | 417.9 | 18.3 | 4.2\% | 414.2 | 21.9 | 5.0\% | 403.2 | 32.9 | 7.6\% |
| ME1 | 48592 | 2017 | Wet | September | Used in Summary Table Analysis | 260.1 | 245.8 | 14.3 | 5.5\% | 242.9 | 17.2 | 6.6\% | 234.2 | 25.9 | 9.9\% |
| ME1 | 48592 | 2018 | Above Normal | October | Used in Summary Table Analysis | 204.5 | 194.0 | 10.5 | 5.1\% | 191.9 | 12.6 | 6.2\% | 185.5 | 19.0 | 9.3\% |
| ME1 | 48592 | 2018 | Above Normal | November | Used in Summary Table Analysis | 3,327.1 | 3,319.6 | 7.5 | 0.2\% | 3,317.9 | 9.1 | 0.3\% | 3,313.3 | 13.8 | 0.4\% |
| ME1 | 485942 | 2018 | Above Normal | December | - | 4,802.0 | 4,795.4 | 6.6 | 0.1\% | 4,794.1 | 7.9 | 0.2\% | 4,790.0 | 11.9 | 0.2\% |
| ME1 | 485942 | 2018 | Above Normal | January | - | 8,196.1 | 8,189.9 | 6.1 | 0.1\% | 8,188.7 | 7.4 | 0.1\% | 8,185.0 | 11.1 | 0.1\% |
| ME1 | 48592 | 2018 | Above Normal | February | - | 6,842.5 | 6,836.6 | 5.9 | 0.1\% | 6,835.4 | 7.1 | 0.1\% | 6,831.8 | 10.6 | 0.2\% |
| ME1 | 48592 | 2018 | Above Normal | March | - | 10,756.9 | 10,751.2 | 5.8 | 0.1\% | 10,749.9 | 7.1 | 0.1\% | 10,746.5 | 10.4 | 0.1\% |
| ME1 | 48592 | 2018 | Above Normal | April | - | 14,372.7 | 14,366.9 | 5.8 | 0.0\% | 14,365.7 | 6.9 | 0.0\% | 14,362.3 | 10.4 | 0.1\% |
| ME1 | 485942 | 2018 | Above Normal | May | - | 6,248.8 | 6,237.7 | 11.1 | 0.2\% | 6,235.5 | 13.3 | 0.2\% | 6,229.1 | 19.8 | 0.3\% |
| ME1 | 48592 | 2018 | Above Normal | June | - | 1,836.6 | 1,815.2 | 21.4 | 1.2\% | 1,811.0 | 25.6 | 1.4\% | 1,798.8 | 37.7 | 2.1\% |
| ME1 | 48592 | 2018 | Above Normal | July | - | 712.4 | 691.3 | 21.0 | 3.0\% | 687.1 | 25.2 | 3.5\% | 674.5 | 37.9 | 5.3\% |
| ME1 | 48592 | 2018 | Above Normal | August | - | 377.6 | 360.5 | 17.1 | 4.5\% | 357.0 | 20.5 | 5.4\% | 346.6 | 31.0 | 8.2\% |
| ME1 | 48592 | 2018 | Above Normal | September | Used in Summary Table Analysis | 242.6 | 228.2 | 14.3 | 5.9\% | 225.3 | 17.2 | 7.1\% | 216.6 | 25.9 | 10.7\% |
| ME1 | 48592 | 2019 | Below Normal | October | Used in Summary Table Analysis | 138.6 | 129.0 | 9.6 | 6.9\% | 127.1 | 11.5 | 8.3\% | 121.2 | 17.4 | 12.6\% |
| ME1 | 485942 | 2019 | Below Normal | November | Used in Summary Table Analysis | 1,844.0 | 1,836.6 | 7.4 | 0.4\% | 1,835.1 | 8.9 | 0.5\% | 1,830.6 | 13.4 | 0.7\% |
| ME1 | 48592 | 2019 | Below Normal | December |  | 7,209.6 | 7,203.2 | 6.4 | 0.1\% | 7,202.0 | 7.6 | 0.1\% | 7,198.1 | 11.5 | 0.2\% |
| ME1 | 48592 | 2019 | Below Normal | January | - | 18,292.8 | 18,287.0 | 5.8 | 0.0\% | 18,285.9 | 6.9 | 0.0\% | 18,282.4 | 10.4 | 0.1\% |
| ME1 | 48592 | 2019 | Below Normal | February |  | 96,401.6 | 96,395.8 | 5.8 | 0.0\% | 96,394.7 | 6.9 | 0.0\% | 96,392.4 | 9.3 | 0.0\% |
| ME1 | 48592 | 2019 | Below Normal | March | - | 31,516.2 | 31,511.6 | 4.6 | 0.0\% | 31,510.4 | 5.8 | 0.0\% | 31,506.9 | 9.3 | 0.0\% |
| ME1 | 48592 | 2019 | Below Normal | April | - | 11,655.1 | 11,649.3 | 5.8 | 0.0\% | 11,648.1 | 6.9 | 0.1\% | 11,644.7 | 10.4 | 0.1\% |
| ME1 | 48592 | 2019 | Below Normal | May | - | 9,765.9 | 9,753.6 | 12.3 | 0.1\% | 9,751.3 | 14.6 | 0.1\% | 9,744.3 | 21.5 | 0.2\% |
| ME1 | 48592 | 2019 | Below Normal | June |  | 4,163.0 | 4,141.0 | 22.0 | 0.5\% | 4,136.7 | 26.3 | 0.6\% | 4,124.2 | 38.8 | 0.9\% |
| ME1 | 485942 | 2019 | Below Normal | July | - | 1,277.9 | 1,256.9 | 20.9 | 1.6\% | 1,252.8 | 25.1 | 2.0\% | 1,240.3 | 37.6 | 2.9\% |
| ME1 | 485942 | 2019 | Below Normal | August | - | 524.3 | 506.6 | 17.7 | 3.4\% | 503.1 | 21.3 | 4.1\% | 492.4 | 32.0 | 6.1\% |
| ME1 | 48592 | 2019 | Below Normal | September | Used in Summary Table Analysis | 320.9 | 306.9 | 14.0 | 4.4\% | 304.1 | 16.8 | 5.2\% | 295.7 | 25.2 | 7.9\% |
| ME1 | 48592 | 2020 | Dry | October | Used in Summary Table Analysis | 185.8 | 176.5 | 9.3 | 5.0\% | 174.6 | 11.2 | 6.0\% | 168.9 | 16.9 | 9.1\% |
| ME1 | 48592 | 2020 | Dry | November | Used in Summary Table Analysis | 211.2 | 203.9 | 7.3 | 3.5\% | 202.4 | 8.8 | 4.2\% | 197.9 | 13.3 | 6.3\% |
| ME1 | 48592 | 2020 | Dry | December | - | 4,921.1 | 4,914.8 | 6.3 | 0.1\% | 4,913.7 | 7.4 | 0.2\% | 4,909.8 | 11.2 | 0.2\% |
| ME1 | 48592 | 2020 | Dry | January | - | 12,928.2 | 12,922.5 | 5.8 | 0.0\% | 12,921.3 | 6.9 | 0.1\% | 12,917.8 | 10.4 | 0.1\% |
| ME1 | 48592 | 2020 | Dry | February | - | 7,144.3 | 7,138.7 | 5.7 | 0.1\% | 7,137.5 | 6.8 | 0.1\% | 7,134.0 | 10.3 | 0.1\% |
| ME1 | 48592 | 2020 | Dry | March | - | 4,494.1 | 4,488.4 | 5.7 | 0.1\% | 4,487.4 | 6.7 | 0.1\% | 4,484.0 | 10.1 | 0.2\% |
| ME1 | 485942 | 2020 | Dry | April | - | 3,241.8 | 3,231.3 | 10.5 | 0.3\% | 3,299.2 | 12.6 | 0.4\% | 3,223.0 | 18.8 | 0.6\% |
| ME1 | 485942 | 2020 | Dry | May | - | 3,483.7 | 3,467.9 | 15.7 | 0.5\% | 3,464.8 | 18.9 | 0.5\% | 3,455.4 | 28.2 | 0.8\% |
| ME1 | 48592 | 2020 | Dry | June | - | 2,012.3 | 1,989.4 | 22.9 | 1.1\% | 1,984.8 | 27.4 | 1.4\% | 1,972.1 | 40.2 | 2.0\% |
| ME1 | 48592 | 2020 | Dry | July | - | 731.9 | 708.1 | 23.9 | 3.3\% | 703.3 | 28.7 | 3.9\% | 693.7 | 38.2 | 5.2\% |
| ME1 | 48592 | 2020 | Dry | August | - | 340.2 | 319.6 | 20.6 | 6.0\% | 315.4 | 24.8 | 7.3\% | 304.9 | 35.2 | 10.4\% |
| ME1 | 48592 | 2020 | Dry | September | Used in Summary Table Analysis | 192.0 | 175.3 | 16.7 | 8.7\% | 171.9 | 20.1 | 10.5\% | 162.4 | 29.5 | 15.4\% |
| ME1 | 47591 | 2000 | Above Normal | October | Used in Summary Table Analysis | 793.6 | 774.4 | 19.2 | 2.4\% | 770.5 | 23.1 | 2.9\% | 758.7 | 34.9 | 4.4\% |
| ME1 | 47591 | 2000 | Above Normal | November | Used in Summary Table Analysis | 11,782.4 | 11,767.4 | 15.0 | 0.1\% | 11,763.9 | 18.5 | 0.2\% | 11,755.8 | 26.6 | 0.2\% |
| ME1 | 47591 | 2000 | Above Normal | December |  | 10,629.5 | 10,617.2 | 12.3 | 0.1\% | 10,614.8 | 14.7 | 0.1\% | 10,607.3 | 22.2 | 0.2\% |
| ME1 | 47591 | 2000 | Above Normal | January |  | 28,012.7 | 28,002.3 | 10.4 | 0.0\% | 28,000.0 | 12.7 | 0.0\% | 27,993.1 | 19.7 | 0.1\% |
| ME1 | 47591 | 2000 | Above Normal | February | - | 36,671.3 | 36,660.9 | 10.4 | 0.0\% | 36,659.7 | 11.6 | 0.0\% | 36,652.8 | 18.5 | 0.1\% |
| ME1 | 47591 | 2000 | Above Normal | March | - | 18,199.1 | 18,188.7 | 10.4 | 0.1\% | 18,187.5 | 11.6 | 0.1\% | 18,181.7 | 17.4 | 0.1\% |
| ME 1 | 47591 | 2000 | Above Normal | April | - | 12,224.5 | 12,215.3 | 9.3 | 0.1\% | 12,213.0 | 11.6 | 0.1\% | 12,207.2 | 17.4 | 0.1\% |
| ME1 | 47591 | 2000 | Above Normal | May | - | 7,019.1 | 6,993.2 | 25.9 | 0.4\% | 6,988.0 | 31.1 | 0.4\% | 6,972.6 | 46.5 | 0.7\% |
| ME 1 | 47591 | 2000 | Above Normal | June |  | 2,579.7 | 2,539.7 | 40.0 | 1.6\% | 2,531.8 | 47.9 | 1.9\% | 2,508.6 | 71.2 | 2.8\% |
| ME1 | 47591 | 2000 | Above Normal | July | - | 975.2 | 943.8 | 31.3 | 3.2\% | 937.6 | 37.5 | 3.8\% | 919.1 | 56.1 | 5.8\% |
| ME1 | 47591 | 2000 | Above Normal | August | - | 504.5 | 477.1 | 27.3 | 5.4\% | 471.7 | 32.8 | 6.5\% | 455.1 | 49.4 | 9.8\% |
| ME 1 | 47591 | 2000 | Above Normal | September | Used in Summary Table Analysis | 279.8 | 256.6 | 23.1 | 8.3\% | 252.0 | 27.8 | 9.9\% | 237.9 | 41.8 | 15.0\% |
| ME 1 | 47591 | 2001 | Dry | October | Used in Summary Table Analysis | 3,734.6 | 3,715.7 | 18.9 | 0.5\% | 3,711.9 | 22.7 | 0.6\% | 3,700.3 | 34.3 | 0.9\% |
| ME1 | 47591 | 2001 | Dry | November | Used in Summary Table Analysis | 5,999.5 | 5,981.1 | 14.4 | 0.2\% | 5,978.2 | 17.2 | 0.3\% | 5,969.4 | 26.0 | 0.4\% |
| ME1 | 47591 | 2001 | Dry | December |  | 8,709.3 | 8,697.1 | 12.2 | 0.1\% | 8,694.6 | 14.7 | 0.2\% | 8,687.2 | 22.1 | 0.3\% |
| ME 1 | 47591 | 2001 | Dry | January | - | 12,547.5 | 12,537.0 | 10.4 | 0.1\% | 12,534.7 | 12.7 | 0.1\% | 12,527.8 | 19.7 | 0.2\% |

Uthly Average stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (ffs) | 00\% Pumping Increas |  |  | 500\% Pumping increase |  |  | 80\%\% Pumping ncrease |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| me 1 | 47591 | 2001 | Dry |  | February | - | 17,317.1 | 17,306.7 | 10.4 | 0.1\% | 17,304.4 | 12.7 | 0.1\% | 17,298.6 | 18.5 | 0.1\% |
| ME1 | 47591 | 2001 | Dry | March | - | 12,215.3 | 12,206.0 | 9.3 | 0.1\% | 12,203.7 | 11.6 | 0.1\% | 12,197.9 | 17.4 | 0.1\% |
| ME1 | 47591 | 2001 | Dry | April | - | 10,886.3 | 10,859.4 | 27.0 | 0.2\% | 10,853.9 | 32.4 | 0.3\% | 10,838.1 | 48.3 | 0.4\% |
| ME1 | 47591 | 2001 | Dry | May | - | 2,631.4 | 2,601.4 | 30.0 | 1.1\% | 2,595.5 | 35.9 | 1.4\% | 2,577.7 | 53.7 | 2.0\% |
| ME1 | 47591 | 2001 | Dry | June | - | 2,592.8 | 2,548.6 | 44.2 | 1.7\% | 2,540.0 | 52.8 | 2.0\% | 2,514.8 | 78.0 | 3.0\% |
| ME1 | 47591 | 2001 | Dry | July | - | 709.8 | 673.8 | 36.0 | 5.1\% | 666.6 | 43.2 | 6.1\% | 649.8 | 60.0 | 8.4\% |
| ME1 | 47591 | 2001 | Dry | August | - | 159.5 | 126.6 | 32.9 | 20.6\% | 119.9 | 39.5 | 24.8\% | 102.2 | 57.2 | 35.9\% |
| ME 1 | 47591 | 2001 | Dry | September | Used in Summary Table Analysis | 81.6 | 53.5 | 28.0 | 34.4\% | 47.9 | 33.7 | 41.3\% | 31.7 | 49.8 | 61.1\% |
| ME1 | 47591 | 2002 | Below Normal | October | Used in Summary Table Analysis | 249.6 | 225.9 | 23.7 | 9.5\% | 221.0 | 28.6 | 11.5\% | 206.1 | 43.4 | 17.4\% |
| ME1 | 47591 | 2002 | Below Normal | November | Used in Summary Table Analysis | 11,855.3 | 11,836.8 | 18.5 | 0.2\% | 11,833.3 | 22.0 | 0.2\% | 11,819.4 | 35.9 | 0.3\% |
| ME1 | 47591 | 2002 | Below Normal | December | - | 35,173.6 | 35,158.6 | 15.0 | 0.0\% | 35,155.1 | 18.5 | 0.1\% | 35,144.7 | 28.9 | 0.1\% |
| ME1 | 47591 | 2002 | Below Normal | January | - | 30,553.2 | 30,539.4 | 13.9 | 0.0\% | 30,537.0 | 16.2 | 0.1\% | 30,528.9 | 24.3 | 0.1\% |
| ME 1 | 47591 | 2002 | Below Normal | February | - | 24,481.5 | 24,468.8 | 12.7 | 0.1\% | 24,466.4 | 15.0 | 0.1\% | 24,458.3 | 23.1 | 0.1\% |
| ME1 | 47591 | 2002 | Below Normal | March | - | 17,626.2 | 17,614.6 | 11.6 | 0.1\% | 17,612.3 | 13.9 | 0.1\% | 17,605.3 | 20.8 | 0.1\% |
| ME1 | 47591 | 2002 | Below Normal | April | - | 9,863.8 | 9,837.5 | 26.3 | 0.3\% | 9,832.4 | 31.4 | 0.3\% | 9,816.9 | 46.9 | 0.5\% |
| ME1 | 47591 | 2002 | Below Normal | May | - | 3,295.0 | 3,265.7 | 29.3 | 0.9\% | 3,259.8 | 35.2 | 1.1\% | 3,242.4 | 52.7 | 1.6\% |
| ME1 | 47591 | 2002 | Below Normal | June | - | 840.9 | 805.8 | 35.1 | 4.2\% | 799.0 | 42.0 | 5.0\% | 778.8 | 62.2 | 7.4\% |
| ME1 | 47591 | 2002 | Below Normal | July | - | 349.0 | 316.4 | 32.6 | 9.3\% | 309.8 | 39.1 | 11.2\% | 291.1 | 57.9 | 16.6\% |
| ME1 | 47591 | 2002 | Below Normal | August | - | 211.5 | 183.0 | 28.5 | 13.5\% | 177.3 | 34.2 | 16.2\% | 159.5 | 51.9 | 24.6\% |
| ME1 | 47591 | 2002 | Below Normal | September | Used in Summary Table Analysis | 148.9 | 123.0 | 26.0 | 17.4\% | 117.7 | 31.2 | 20.9\% | 100.9 | 48.0 | 32.2\% |
| ME1 | 47591 | 2003 | wet | October | Used in Summary Table Analysis | 114.2 | 93.4 | 20.8 | 18.2\% | 89.2 | 25.0 | 21.9\% | 76.4 | 37.8 | 33.1\% |
| ME1 | 47591 | 2003 | Wet | November | Used in Summary Table Analysis | 877.3 | 861.5 | 15.8 | 1.8\% | 858.2 | 19.1 | 2.2\% | 848.3 | 29.0 | 3.3\% |
| ME1 | 47591 | 2003 | Wet | December | - | 55,627.3 | 55,614.6 | 12.7 | 0.0\% | 55,611.1 | 16.2 | 0.0\% | 55,033.0 | 24.3 | 0.0\% |
| ME1 | 47591 | 2003 | Wet | January | - | 31,280.1 | 31,268.5 | 11.6 | 0.0\% | 31,266.2 | 13.9 | 0.0\% | 31,259.3 | 20.8 | 0.1\% |
| ME1 | 47591 | 2003 | Wet | February | - | 20,219.9 | 20,208.3 | 11.6 | 0.1\% | 20,206.0 | 13.9 | 0.1\% | 20,200.2 | 19.7 | 0.1\% |
| ME1 | 47591 | 2003 | wet | March | - | 23,829.9 | 23,819.4 | 10.4 | 0.0\% | 23,818.3 | 11.6 | 0.0\% | 23,811.3 | 18.5 | 0.1\% |
| ME1 | 47591 | 2003 | Wet | April | - | 42,415.5 | 42,406.3 | 9.3 | 0.0\% | 42,403.9 | 11.6 | 0.0\% | 42,398.1 | 17.4 | 0.0\% |
| ME1 | 47591 | 2003 | Wet | May | - | 12,153.9 | 12,127.3 | 26.6 | 0.2\% | 12,121.5 | 32.4 | 0.3\% | 12,106.5 | 47.5 | 0.4\% |
| ME1 | 47591 | 2003 | Wet | June |  | 3,147.1 | 3,115.5 | 31.6 | 1.0\% | 3,109.5 | 37.6 | ${ }^{1.2 \%}$ | 3,091.7 | 55.4 | 1.8\% |
| ME1 | 47591 | 2003 | wet | July | - | 1,453.8 | 1,421.6 | 32.2 | 2.2\% | 1,415.3 | 38.5 | 2.7\% | 1,396.3 | 57.5 | 4.0\% |
| ME1 | 47591 | 2003 | wet | August | - | 741.2 | 710.9 | 30.3 | 4.1\% | 704.4 | 36.8 | 5.0\% | 683.5 | 57.7 | 7.8\% |
| ME1 | 47591 | 2003 | Wet | September | Used in Summary Table Analysis | 440.5 | 417.2 | 23.3 | 5.3\% | 412.5 | 28.0 | 6.4\% | 397.3 | 43.2 | 9.8\% |
| ME1 | 47591 | 2004 | Wet | October | Used in Summary Table Analysis | 307.9 | 288.8 | 19.1 | 6.2\% | 284.9 | 23.0 | 7.5\% | 273.2 | 34.7 | 11.3\% |
| ME1 | 47591 | 2004 | Wet | November | Used in Summary Table Analysis | 5,665.9 | 5,651.2 | 14.7 | 0.3\% | 5,648.1 | 17.7 | 0.3\% | 5,638.9 | 27.0 | 0.5\% |
| ME1 | 47591 | 2004 | wet | December | - | 35,709.5 | 35,696.8 | 12.7 | 0.0\% | 35,694.4 | 15.0 | 0.0\% | 35,886.3 | 23.1 | 0.1\% |
| ME1 | 47591 | 2004 | wet | January | - | 31,063.7 | 31,052.1 | 11.6 | 0.0\% | 31,049.8 | 13.9 | 0.0\% | 31,042.8 | 20.8 | 0.1\% |
| ME1 | 47591 | 2004 | Wet | February | - | 37,842.6 | 37,832.2 | 10.4 | 0.0\% | 37,829.9 | 12.7 | 0.0\% | 37,822.9 | 19.7 | 0.1\% |
| ME1 | 47591 | 2004 | Wet | March | - | 16,450.2 | 16,441.0 | 9.3 | 0.1\% | 16,438.7 | 11.6 | 0.1\% | 16,432.9 | 17.4 | 0.1\% |
| ME1 | 47591 | 2004 | Wet | April | - | 9,395.1 | 9,386.0 | 9.1 | 0.1\% | 9,384,1 | 11.0 | 0.1\% | 9,378.6 | 16.6 | 0.2\% |
| ME1 | 47591 | 2004 | wet | May | - | 3,375.2 | 3,399.2 | 26.0 | 0.8\% | 3,344.1 | 31.1 | 0.9\% | 3,328.8 | 46.4 | 1.4\% |
| ME1 | 47591 | 2004 | wet | June | - | 679.7 | 649.5 | 30.2 | 4.4\% | 643.6 | 36.0 | 5.3\% | 626.4 | 53.2 | 7.8\% |
| ME1 | 47591 | 2004 | Wet | July | - | 340.2 | 308.6 | 31.6 | 9.3\% | 302.3 | 37.9 | 11.1\% | 283.5 | 56.8 | 16.7\% |
| ME 1 | 47591 | 2004 | Wet | August | - | 210.1 | 182.5 | 27.5 | 13.1\% | 177.0 | 33.1 | 15.7\% | 160.2 | 49.9 | 23.7\% |
| ME1 | 47591 | 2004 | Wet | September | Used in Summary Table Analysis | 148.1 | 121.4 | 26.7 | 18.0\% | 116.0 | 32.1 | 21.7\% | 99.8 | 48.4 | 32.7\% |
| ME1 | 47591 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,505.3 | 7,485.4 | 19.9 | 0.3\% | 7,481.5 | 23.8 | 0.3\% | 7,469.3 | 36.0 | 0.5\% |
| ME1 | 47591 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,229.1 | 2,214.4 | 14.7 | 0.7\% | 2,211.3 | 17.7 | 0.8\% | 2,202.3 | 26.7 | 1.2\% |
| ME1 | 47591 | 2005 | Above Normal | December | - | 20,525.5 | 20,512.7 | 12.7 | 0.1\% | 20,510.4 | 15.0 | 0.1\% | 20,502.3 | 23.1 | 0.1\% |
| ME 1 | 47591 | 2005 | Above Normal | January | - | 21,989.6 | 21,978.0 | 11.6 | 0.1\% | 21,975.7 | 13.9 | 0.1\% | 21,968.8 | 20.8 | 0.1\% |
| ME1 | 47591 | 2005 | Above Normal | February | - | 13,937.5 | 13,927.1 | 10.4 | 0.1\% | 13,924.8 | 12.7 | 0.1\% | 13,919.0 | 18.5 | 0.1\% |
| ME1 | 47591 | 2005 | Above Normal | March | - | 28,265.0 | 28,255.8 | 9.3 | 0.0\% | 28,253.5 | 11.6 | 0.0\% | 28,247.7 | 17.4 | 0.1\% |
| ME1 | 47591 | 2005 | Above Normal | April | - | 21,245.4 | 21,236.1 | 9.3 | 0.0\% | 21,235.0 | 10.4 | 0.0\% | 21,229.2 | 16.2 | 0.1\% |
| ME1 | 47591 | 2005 | Above Normal | May | - | 19,332.2 | 19,305.6 | 26.6 | 0.1\% | 19,299.8 | 32.4 | 0.2\% | 19,884,7 | 47.5 | 0.2\% |
| ME 1 | 47591 | 2005 | Above Normal | June | - | 15,591.4 | 15,549.8 | 41.7 | 0.3\% | 15,541.7 | 49.8 | 0.3\% | 15,517.4 | 74.1 | 0.5\% |
| ME1 | 47591 | 2005 | Above Normal | July | - | 2,856.3 | 2,822.8 | 33.4 | 1.2\% | 2,816.7 | 39.6 | 1.4\% | 2,998.1 | 58.1 | 2.0\% |
| ME1 | 47591 | 2005 | Above Normal | August | -- | 963.7 | 936.2 | 27.4 | 2.8\% | 930.8 | 32.8 | 3.4\% | 914.5 | 49.2 | 5.1\% |
| ME1 | 47591 | 2005 | Above Normal | September | Used in Summary Table Analysis | 505.8 | 482.6 | 23.2 | 4.6\% | 478.0 | 27.8 | 5.5\% | 464.1 | 41.7 | 8.2\% |
| ME1 | 47591 | 2006 | Wet | October | Used in Summary Table Analysis | 613.2 | 594.6 | 18.6 | 3.0\% | 590.8 | 22.3 | 3.6\% | 579.4 | 33.8 | 5.5\% |
| ME1 | 47591 | 2006 | Wet | November | Used in Summary Table Analysis | 9,074.4 | 9,060.4 | 14.0 | 0.2\% | $9,057.6$ | 16.8 | 0.2\% | 9,049.1 | 25.3 | 0.3\% |
| ME1 | 47591 | 2006 | Wet | December | - | 42,744.2 | 42,731.5 | 12.7 | 0.0\% | 42,729.2 | 15.0 | 0.0\% | 42,721.1 | 23.1 | 0.1\% |
| ME1 | 47591 | 2006 | Wet | January | - | 45,614.6 | 45,603.0 | 11.6 | 0.0\% | 45,600.7 | 13.9 | 0.0\% | 45,593.8 | 20.8 | 0.0\% |
| ME1 | 47591 | 2006 | Wet | February | - | 26,324.1 | 26,313.7 | 10.4 | 0.0\% | 26,311.3 | 12.7 | 0.0\% | 26,305.6 | 18.5 | 0.1\% |
| ME1 | 47591 | 2006 | Wet | March | - | 46,618.1 | 46,608.8 | 9.3 | 0.0\% | 46,60.5 | 11.6 | 0.0\% | 46,600.7 | 17.4 | 0.0\% |
| ME 1 | 47591 | 2006 | Wet | April | $-$ | 30,211.8 | 30,202.5 | 9.3 | 0.0\% | 30,201.4 | 10.4 | 0.0\% | 30,195.6 | 16.2 | 0.1\% |
| ME 1 | 47591 | 2006 | Wet | May | - | 14,079.9 | 14,066.0 | 13.9 | 0.1\% | 14,063.7 | 16.2 | 0.1\% | 14,055.6 | 24.3 | 0.2\% |

Monthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | Model Cell(Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | 0\% Pumping Inc |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (fis) |  | $\begin{gathered} \text { How } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Fiow } \\ \text { Difference } \\ \text { (cts) } \end{gathered}$ | Percent Difference |
| ME 1 | 47591 | 2006 | Wet |  | June | - | 3,529.6 | 3,495.3 | 34.4 | 1.0\% | 3,488.5 | 41.1 | 1.2\% | 3,469.1 | 60.5 | 1.7\% |
| ME1 | 47591 | 2006 | Wet | July | - | 1,256.9 | 1,225.3 | 31.6 | 2.5\% | 1,219.2 | 37.7 | 3.0\% | 1,201.0 | 55.9 | 4.4\% |
| ME 1 | 47591 | 2006 | Wet | August | - | 643.6 | 615.1 | 28.5 | 4.4\% | 609.5 | 34.1 | 5.3\% | 592.4 | 51.2 | 7.9\% |
| ME1 | 47591 | 2006 | Wet | September | Used in Summary Table Analysis | 406.3 | 382.8 | 23.5 | 5.8\% | 378.1 | 28.2 | 6.9\% | 363.9 | 42.5 | 10.5\% |
| ME1 | 47591 | 2007 | Above Normal | October | Used in Summary Table Analysis | 257.4 | 238.4 | 19.0 | 7.4\% | 234.5 | 22.9 | 8.9\% | 222.8 | 34.6 | 13.5\% |
| ME1 | 47591 | 2007 | Above Normal | November | Used in Summary Table Analysis | 8,462.5 | 8,447.6 | 14.9 | 0.2\% | 8,444.6 | 17.9 | 0.2\% | 8,435.3 | 27.2 | 0.3\% |
| ME 1 | 47591 | 2007 | Above Normal | December |  | 19,998.8 | 19,985.0 | 13.9 | 0.1\% | 19,982.6 | 16.2 | 0.1\% | 19,974.5 | 24.3 | 0.1\% |
| ME 1 | 47591 | 2007 | Above Normal | January | - | 10,139.1 | 10,127.9 | 11.2 | 0.1\% | 10,125.6 | 13.5 | 0.1\% | 10,118.4 | 20.7 | 0.2\% |
| ME1 | 47591 | 2007 | Above Normal | February | - | 30,110.0 | 30,099.5 | 10.4 | 0.0\% | 30,097.2 | 12.7 | 0.0\% | 30,090.3 | 19.7 | 0.1\% |
| ME1 | 47591 | 2007 | Above Normal | March | - | 13,019.7 | 13,009.3 | 10.4 | 0.1\% | 13,006.9 | 12.7 | 0.1\% | 13,001.2 | 18.5 | 0.1\% |
| ME 1 | 47591 | 2007 | Above Normal | April | - | 11,457.1 | 11,431.5 | 25.6 | 0.2\% | 11,426.4 | 30.7 | 0.3\% | 11,411.3 | 45.7 | 0.4\% |
| ME1 | 47591 | 2007 | Above Normal | May | - | 4,102.7 | 4,074.1 | 28.6 | 0.7\% | 4,068.3 | 34.4 | 0.8\% | 4,051.2 | 51.5 | 1.3\% |
| ME1 | 47591 | 2007 | Above Normal | June | - | 1,472.0 | 1,434.5 | 37.5 | 2.5\% | 1,427.1 | 44.9 | 3.1\% | 1,405.6 | 66.4 | 4.5\% |
| ME1 | 47591 | 2007 | Above Normal | July | - | 483.1 | 448.8 | 34.3 | 7.1\% | 442.0 | 41.2 | 8.5\% | 422.1 | 61.0 | 12.6\% |
| ME1 | 47591 | 2007 | Above Normal | August | - | 207.4 | 179.6 | 27.8 | 13.4\% | 174.0 | 33.4 | 16.1\% | 156.8 | 50.6 | 24.4\% |
| ME1 | 47591 | 2007 | Above Normal | September | Used in Summary Table Analysis | 135.1 | 109.6 | 25.5 | 18.9\% | 104.5 | 30.6 | 22.7\% | 88.9 | 46.2 | 34.2\% |
| ME1 | 47591 | 2008 | Dry | October | Used in Summary Table Analysis | 3,357.8 | 3,337.5 | 20.3 | 0.6\% | 3,333.3 | 24.4 | 0.7\% | 3,320.8 | 36.9 | 1.1\% |
| ME1 | 47591 | 2008 | Dry | November | Used in Summary Table Analysis | 3,202.0 | 3,187.0 | 14.9 | 0.5\% | 3,184.0 | 17.9 | 0.6\% | 3,174.8 | 27.2 | 0.8\% |
| ME1 | 47591 | 2008 | Dry | December | - | 22,591.4 | 22,577.5 | 13.9 | 0.1\% | 22,575.2 | 16.2 | 0.1\% | 22,567.1 | 24.3 | 0.1\% |
| ME1 | 47591 | 2008 | Dry | January | - | 37,017.4 | 37,004.6 | 12.7 | 0.0\% | 37,002.3 | 15.0 | 0.0\% | 36,995.4 | 22.0 | 0.1\% |
| ME1 | 47591 | 2008 | Dry | February | - | 26,142.4 | 26,131.9 | 10.4 | 0.0\% | 26,129.6 | 12.7 | 0.0\% | 26,123.8 | 18.5 | 0.1\% |
| ME1 | 47591 | 2008 | Dry | March | - | 11,732.6 | 11,723.4 | 9.3 | 0.1\% | 11,721.1 | 11.6 | 0.1\% | 11,715.3 | 17.4 | 0.1\% |
| ME1 | 47591 | 2008 | Dry | April | - | 8,967.2 | 8,940.4 | 26.9 | 0.3\% | 8,935.1 | 32.2 | 0.4\% | 8,999.2 | 48.0 | 0.5\% |
| ME1 | 47591 | 2008 | Dry | May |  | 1,359.6 | 1,335.5 | 24.1 | 1.8\% | 1,331.0 | 28.6 | 2.1\% | 1,317.4 | 42.2 | 3.1\% |
| ME1 | 47591 | 2008 | Dry | June | - | 424.0 | 383.1 | 41.0 | 9.7\% | 375.1 | 48.9 | 11.5\% | 351.6 | 72.4 | 17.1\% |
| ME1 | 47591 | 2008 | Dry | July | - | 243.1 | 206.6 | 36.4 | 15.0\% | 199.4 | 43.6 | 18.0\% | 182.6 | 60.5 | 24.9\% |
| ME1 | 47591 | 2008 | Dry | August | - | 165.8 | 132.9 | 32.9 | 19.8\% | 126.2 | 39.5 | 23.9\% | 105.6 | 60.2 | 36.3\% |
| ME1 | 47591 | 2008 | Dry | September | Used in Summary Table Analysis | 127.6 | 95.4 | 32.2 | 25.2\% | 88.9 | 38.7 | 30.3\% | 70.3 | 57.3 | 44.9\% |
| ME1 | 47591 | 2009 | Critical | October | Used in Summary Table Analysis | 905.3 | 881.7 | 23.5 | 2.6\% | 876.9 | 28.4 | 3.1\% | 861.9 | 43.4 | 4.8\% |
| ME1 | 47591 | 2009 | Critical | November | Used in Summary Table Analysis | 5,378.0 | 5,360.9 | 17.1 | 0.3\% | 5,357.3 | 20.7 | 0.4\% | 5,343.9 | 34.1 | 0.6\% |
| ME1 | 47591 | 2009 | Critical | December |  | 11,888.9 | 11,873.8 | 15.0 | 0.1\% | 11,871.5 | 17.4 | 0.1\% | 11,862.3 | 26.6 | 0.2\% |
| ME1 | 47591 | 2009 | Critical | January | - | 8,714.7 | 8,701.4 | 13.3 | 0.2\% | 8,698.7 | 16.0 | 0.2\% | 8,90.5 | 24.2 | 0.3\% |
| ME1 | 47591 | 2009 | Critical | February |  | 22,383.1 | 22,371.5 | 11.6 | 0.1\% | 22,369.2 | 13.9 | 0.1\% | 22,362.3 | 20.8 | 0.1\% |
| ME1 | 47591 | 2009 | Critical | March | - | 20,946.8 | 20,936.3 | 10.4 | 0.0\% | 20,934.0 | 12.7 | 0.1\% | 20,928.2 | 18.5 | 0.1\% |
| ME1 | 47591 | 2009 | Critical | April | - | 10,072.0 | 10,044.4 | 27.5 | 0.3\% | 10,039.0 | 33.0 | 0.3\% | 10,022.8 | 49.2 | 0.5\% |
| ME1 | 47591 | 2009 | Critical | May | - | 15,491.9 | 15,460.6 | 31.3 | 0.2\% | 15,453.7 | 38.2 | 0.2\% | 15,435.2 | 56.7 | 0.4\% |
| ME1 | 47591 | 2009 | Critical | June | - | 3,142.4 | 3,097.8 | 44.6 | 1.4\% | 3,089.4 | 53.0 | 1.7\% | 3,064.1 | 78.2 | 2.5\% |
| ME1 | 47591 | 2009 | Critical | July | - | 1,247.0 | 1,210.5 | 36.5 | 2.9\% | 1,203.4 | 43.6 | 3.5\% | 1,186.6 | 60.4 | 4.8\% |
| ME1 | 47591 | 2009 | Critical | August | - | 652.6 | 619.7 | 32.9 | 5.0\% | 613.1 | 39.4 | 6.0\% | 595.4 | 57.2 | 8.8\% |
| ME1 | 47591 | 2009 | Critical | September | Used in Summary Table Analysis | 375.1 | 347.1 | 28.0 | 7.5\% | 341.4 | 33.7 | 9.0\% | 325.2 | 49.9 | 13.3\% |
| ME1 | 47591 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,065.5 | 6,042.0 | 23.5 | 0.4\% | 6,037.2 | 28.4 | 0.5\% | 6,021.4 | 44.1 | 0.7\% |
| ME1 | 47591 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,198.1 | 8,180.6 | 17.6 | 0.2\% | 8,177.0 | 21.2 | 0.3\% | 8,163.1 | 35.1 | 0.4\% |
| ME1 | 47591 | 2010 | Below Normal | December | - | 12,172.5 | 12,158.6 | 13.9 | 0.1\% | 12,155.1 | 17.4 | 0.1\% | 12,145.8 | 26.6 | 0.2\% |
| ME1 | 47591 | 2010 | Below Normal | January | - | 35,635.4 | 35,621.5 | 13.9 | 0.0\% | 35,619.2 | 16.2 | 0.0\% | 35,611.1 | 24.3 | 0.1\% |
| ME1 | 47591 | 2010 | Below Normal | February | - | 27,071.8 | 27,060.2 | 11.6 | 0.0\% | 27,057.9 | 13.9 | 0.1\% | 27,050.9 | 20.8 | 0.1\% |
| ME1 | 47591 | 2010 | Below Normal | March | - | 28,687.5 | 28,675.9 | 11.6 | 0.0\% | 28,673.6 | 13.9 | 0.0\% | 28,667.8 | 19.7 | 0.1\% |
| ME1 | 47591 | 2010 | Below Normal | April | - | 39,739.6 | 39,729.2 | 10.4 | 0.0\% | 39,726.9 | 12.7 | 0.0\% | 39,719.9 | 19.7 | 0.0\% |
| ME1 | 47591 | 2010 | Below Normal | May |  | 20,054.4 | 20,026.6 | 27.8 | 0.1\% | 20,022.0 | 32.4 | 0.2\% | 20,005.8 | 48.6 | 0.2\% |
| ME1 | 47591 | 2010 | Below Normal | June | - | 9,180.8 | 9,139.0 | 41.8 | 0.5\% | 9,130.8 | 50.0 | 0.5\% | 9,106.7 | 74.1 | 0.8\% |
| ME1 | 47591 | 2010 | Below Normal | July | - | 1,439.2 | 1,405.9 | 33.3 | 2.3\% | 1,399.5 | 39.7 | 2.8\% | 1,380.8 | 58.4 | 4.1\% |
| ME1 | 47591 | 2010 | Below Normal | August | - | 549.2 | 521.2 | 28.0 | 5.1\% | 515.7 | 33.6 | 6.1\% | 499.0 | 50.2 | 9.1\% |
| ME1 | 47591 | 2010 | Below Normal | September | Used in Summary Table Analysis | 630.9 | 603.4 | 27.5 | 4.4\% | 597.8 | 33.1 | 5.2\% | 581.3 | 49.6 | 7.9\% |
| ME1 | 47591 | 2011 | Wet | October | Used in Summary Table Analysis | 9,501.4 | 9,482.3 | 19.1 | 0.2\% | 9,478.5 | 22.9 | 0.2\% | 9,46.9 | 34.5 | 0.4\% |
| ME1 | 47591 | 2011 | Wet | November | Used in Summary Table Analysis | 14,069.4 | 14,055.6 | 13.9 | 0.1\% | 14,052.1 | 17.4 | 0.1\% | 14,042.8 | 26.6 | 0.2\% |
| ME 1 | 47591 | 2011 | Wet | December | - | 33,103.0 | 33,090.3 | 12.7 | 0.0\% | 33,088.0 | 15.0 | 0.0\% | 33,079.9 | 23.1 | 0.1\% |
| ME1 | 47591 | 2011 | wet | January | - | 14,039.4 | 14,028.9 | 10.4 | 0.1\% | 14,026.6 | 12.7 | 0.1\% | 14,019.7 | 19.7 | 0.1\% |
| ME 1 | 47591 | 2011 | Wet | February | - | 20,652.8 | 20,642.4 | 10.4 | 0.1\% | 20,640.0 | 12.7 | 0.1\% | 20,634.3 | 18.5 | 0.1\% |
| ME1 | 47591 | 2011 | Wet | March |  | 51,612.3 | 51,601.9 | 10.4 | 0.0\% | 51,599.5 | 12.7 | 0.0\% | 51,593.8 | 18.5 | 0.0\% |
| ME 1 | 47591 | 2011 | Wet | April | - | 24,660.9 | 24,650.5 | 10.4 | 0.0\% | 24,649.3 | 11.6 | 0.0\% | 24,642.4 | 18.5 | 0.1\% |
| ME 1 | 47591 | 2011 | Wet | May | - | 11,313.8 | 11,287.2 | 26.6 | 0.2\% | 11,281.8 | 31.9 | 0.3\% | 11,266.2 | 47.6 | 0.4\% |
| ME 1 | 47591 | 2011 | Wet | June | - | 6,988.4 | 6,947.2 | 41.2 | 0.6\% | 6,939.1 | 49.3 | 0.7\% | 6,915.4 | 73.0 | 1.0\% |
| ME1 | 47591 | 2011 | Wet | July | - | 1,817.7 | 1,779.4 | 38.3 | 2.1\% | 1,771.9 | 45.8 | 2.5\% | 1,750.8 | 66.9 | 3.7\% |
| ME 1 | 47591 | 2011 | Wet | August | - | 760.0 | 732.2 | 27.8 | 3.7\% | 726.7 | 33.3 | 4.4\% | 710.0 | 50.0 | 6.6\% |
| ME 1 | 47591 | 2011 | Wet | September | Used in Summary Table Analysis | 416.8 | 392.8 | 24.0 | 5.8\% | 388.0 | 28.8 | 6.9\% | 373.5 | 43.4 | 10.4\% |

thly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 00\% Pumping Increa |  |  | 00\% Pum |  |  | 80\%\% Pumping ncrease |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| me 1 | 47591 | 2012 | Below Normal |  | October | Used in Summary Table Analysis | 4,472.1 | 4,452.8 | 19.3 | 0.4\% | 4,448.8 | 23.3 | 0.5\% | 4,436.8 | 35.3 | 0.8\% |
| ME1 | 47591 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,100.0 | 8,085.1 | 14.9 | 0.2\% | 8,081.9 | 18.1 | 0.2\% | 8,072.7 | 27.3 | 0.3\% |
| ME1 | 47591 | 2012 | Below Normal | December |  | 5,120.1 | 5,107.4 | 12.7 | 0.2\% | 5,104.9 | 15.3 | 0.3\% | 5,096.9 | 23.3 | 0.5\% |
| ME1 | 47591 | 2012 | Below Normal | January | - | 19,726.9 | 19,715.3 | 11.6 | 0.1\% | 19,713.0 | 13.9 | 0.1\% | 19,706.0 | 20.8 | 0.1\% |
| ME1 | 47591 | 2012 | Below Normal | February |  | 18,097.2 | 18,086.8 | 10.4 | 0.1\% | 18,085.6 | 11.6 | 0.1\% | 18,078.7 | 18.5 | 0.1\% |
| ME1 | 47591 | 2012 | Below Normal | March | - | 44,967.6 | 44,957.2 | 10.4 | 0.0\% | 44,954.9 | 12.7 | 0.0\% | 44,947.9 | 19.7 | 0.0\% |
| ME1 | 47591 | 2012 | Below Normal | April | - | 26,689.8 | 26,680.6 | 9.3 | 0.0\% | 26,678.2 | 11.6 | 0.0\% | 26,672.5 | 17.4 | 0.1\% |
| ME 1 | 47591 | 2012 | Below Normal | May | - | 7,438.3 | 7,411.6 | 26.7 | 0.4\% | 7,406.3 | 32.1 | 0.4\% | 7,390.7 | 47.6 | 0.6\% |
| ME1 | 47591 | 2012 | Below Normal | June | - | 5,488.8 | 5,406.7 | 42.1 | 0.8\% | 5,398.5 | 50.3 | 0.9\% | 5,374.4 | 74.4 | 1.4\% |
| ME1 | 47591 | 2012 | Below Normal | July | - | 2,181.0 | 2,143.5 | 37.5 | 1.7\% | 2,136.1 | 44.9 | 2.1\% | 2,114.2 | 66.8 | 3.1\% |
| ME 1 | 47591 | 2012 | Below Normal | August | - | 375.4 | 349.6 | 25.8 | 6.9\% | 344.4 | 31.0 | 8.3\% | 329.0 | 46.5 | 12.4\% |
| ME1 | 47591 | 2012 | Below Normal | September | Used in Summary Table Analysis | 233.2 | 211.0 | 22.1 | 9.5\% | 206.6 | 26.6 | 11.4\% | 193.3 | 39.9 | 17.1\% |
| ME 1 | 47591 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,865.0 | 1,845.6 | 19.4 | 1.0\% | 1,841.6 | 23.5 | 1.3\% | 1,829.6 | 35.4 | 1.9\% |
| ME1 | 47591 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,435.2 | 14,420.1 | 15.0 | 0.1\% | 14,417.8 | 17.4 | 0.1\% | 14,408.6 | 26.6 | 0.2\% |
| ME1 | 47591 | 2013 | Below Normal | December - | - | 59,436.3 | 59,422.5 | 13.9 | 0.0\% | 59,420.1 | 16.2 | 0.0\% | 59,412.0 | 24.3 | 0.0\% |
| ME 1 | 47591 | 2013 | Below Normal | January | - | 22,034.7 | 22,024.3 | 10.4 | 0.0\% | 22,022.0 | 12.7 | 0.1\% | 22,015.0 | 19.7 | 0.1\% |
| ME1 | 47591 | 2013 | Below Normal | February | - | 8,765.3 | 8,754.5 | 10.8 | 0.1\% | 8,752.2 | 13.1 | 0.1\% | 8,745.6 | 19.7 | 0.2\% |
| ME1 | 47591 | 2013 | Below Normal | March | - | 10,211.0 | 10,200.7 | 10.3 | 0.1\% | 10,198.6 | 12.4 | 0.1\% | 10,192.2 | 18.8 | 0.2\% |
| ME1 | 47591 | 2013 | Below Normal | April | - | 8,251.7 | 8,226.9 | 24.9 | 0.3\% | 8,221.8 | 30.0 | 0.4\% | 8,206.9 | 44.8 | 0.5\% |
| ME1 | 47591 | 2013 | Below Normal | May | - | 4,381.4 | 4,352.8 | 28.6 | 0.7\% | 4,347.0 | 34.4 | 0.8\% | 4,330.0 | 51.4 | 1.2\% |
| ME1 | 47591 | 2013 | Below Normal | June | - | 2,091.2 | 2,053.8 | 37.4 | 1.8\% | 2,046.5 | 44.7 | 2.1\% | 2,025.0 | 66.2 | 3.2\% |
| ME1 | 47591 | 2013 | Below Normal | July | - | 707.4 | 675.6 | 31.9 | 4.5\% | 669.2 | 38.2 | 5.4\% | 650.9 | 56.5 | 8.0\% |
| ME1 | 47591 | 2013 | Below Normal | August | - | 326.0 | 298.1 | 28.0 | 8.6\% | 292.5 | 33.6 | 10.3\% | 275.0 | 51.0 | 15.7\% |
| ME1 | 47591 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,714.8 | 4,684.7 | 30.1 | 0.6\% | 4,678.6 | ${ }^{36.2}$ | 0.8\% | 4,660.2 | 54.6 | 1.2\% |
| ME1 | 47591 | 2014 | Critical | October | Used in Summary Table Analysis | 275.3 | 255.6 | 19.7 | 7.1\% | 251.6 | 23.7 | 8.6\% | 240.3 | 35.0 | 12.7\% |
| ME1 | 47591 | 2014 | Critical | November | Used in Summary Table Analysis | 1,498.4 | 1,483.2 | 15.2 | 1.0\% | 1,480.2 | 18.2 | 1.2\% | 1,470.8 | 27.5 | 1.8\% |
| ME1 | 47591 | 2014 | Critical | December - |  | 1,564.7 | 1,551.7 | 13.0 | 0.8\% | 1,549.2 | 15.5 | 1.0\% | 1,541.1 | 23.6 | 1.5\% |
| ME1 | 47591 | 2014 | Critical | January | - | 2,780.2 | 2,768.9 | 11.3 | 0.4\% | 2,766.6 | 13.7 | 0.5\% | 2,759.5 | 20.7 | 0.7\% |
| ME1 | 47591 | 2014 | Critical | February | - | 15,637.7 | 15,627.3 | 10.4 | 0.1\% | 15,625.0 | 12.7 | 0.1\% | 15,618.1 | 19.7 | 0.1\% |
| ME1 | 47591 | 2014 | Critical | March | - | 31,338.0 | 31,327.5 | 10.4 | 0.0\% | 31,325.2 | 12.7 | 0.0\% | 31,319.4 | 18.5 | 0.1\% |
| ME1 | 47591 | 2014 | Critical | April | - | 12,936.3 | 12,908.6 | 27.8 | 0.2\% | 12,903.9 | 32.4 | 0.3\% | 12,887.7 | 48.6 | 0.4\% |
| ME1 | 47591 | 2014 | Critical | May | - | 5,153.1 | 5,122.6 | 30.6 | 0.6\% | 5,116.6 | 36.6 | 0.7\% | 5,098.1 | 55.0 | 1.1\% |
| ME1 | 47591 | 2014 | Critical | June | - | 1,181.7 | 1,136.8 | 44.9 | 3.8\% | 1,128.0 | 53.7 | 4.5\% | 1,103.0 | 78.7 | 6.7\% |
| ME1 | 47591 | 2014 | Critical | July | - | 534.5 | 498.0 | 36.5 | 6.8\% | 490.7 | 43.7 | 8.2\% | 473.7 | 60.8 | 11.4\% |
| ME1 | 47591 | 2014 | Critical | August | - | 333.8 | 301.2 | 32.6 | 9.8\% | 294.6 | 39.2 | 11.7\% | 277.0 | 56.8 | 17.0\% |
| ME1 | 47591 | 2014 | Critical | September | Used in Summary Table Analysis | 2,537.0 | 2,503.9 | 33.1 | 1.3\% | 2,497.3 | 39.7 | 1.6\% | 2,478.0 | 59.0 | 2.3\% |
| ME1 | 47591 | 2015 | Dry | October | Used in Summary Table Analysis | 11,234,4 | 11,210.0 | 24.4 | 0.2\% | 11,205.2 | 29.2 | 0.3\% | 11,190.9 | 43.5 | 0.4\% |
| ME1 | 47591 | 2015 | Dry | November | Used in Summary Table Analysis | 8,906.5 | 8,889.2 | 17.2 | 0.2\% | 8,885.8 | 20.7 | 0.2\% | 8,872.5 | 34.0 | 0.4\% |
| ME1 | 47591 | 2015 | Dry | December - | - | 32,133.1 | 32,119.2 | 13.9 | 0.0\% | 32,115.7 | 17.4 | 0.1\% | 32,106.5 | 26.6 | 0.1\% |
| ME1 | 47591 | 2015 | Dry | January | - | 14,500.0 | 14,486.1 | 13.9 | 0.1\% | 14,483.8 | 16.2 | 0.1\% | 14,475.7 | 24.3 | 0.2\% |
| ME1 | 47591 | 2015 | Dry | February | - | 27,040.5 | 27,028.9 | 11.6 | 0.0\% | 27,026.6 | 13.9 | 0.1\% | 27,019.7 | 20.8 | 0.1\% |
| ME1 | 47591 | 2015 | Dry | March | - | 11,520.9 | 11,510.9 | 10.1 | 0.1\% | 11,508.9 | 12.0 | 0.1\% | 11,502.8 | 18.2 | 0.2\% |
| ME 1 | 47591 | 2015 | Dry | April | - | 8,258.6 | 8,231.3 | 27.3 | 0.3\% | 8,225.8 | 32.8 | 0.4\% | 8,209.7 | 48.8 | 0.6\% |
| ME1 | 47591 | 2015 | Dry | May | - | 1,501.9 | 1,471.4 | 30.4 | 2.0\% | 1,465.5 | 36.3 | 2.4\% | 1,448.6 | 53.2 | 3.5\% |
| ME1 | 47591 | 2015 | Dry | June | - | 642.3 | 600.9 | 41.4 | 6.4\% | 592.8 | 49.5 | 7.7\% | 569.0 | 73.3 | 11.4\% |
| ME1 | 47591 | 2015 | Dry | July | - | 257.8 | 221.2 | 36.6 | 14.2\% | 213.9 | 43.9 | 17.\% | 196.9 | 60.9 | 23.6\% |
| ME1 | 47591 | 2015 | Dry | August | - | 153.1 | 120.1 | 33.0 | 21.5\% | 113.4 | 39.7 | 25.9\% | 95.6 | 57.4 | 37.5\% |
| ME 1 | 47591 | 2015 | Dry | September | Used in Summary Table Analysis | 109.1 | 78.2 | 30.9 | 28.3\% | 71.6 | 37.5 | 34.3\% | 52.8 | 56.3 | 51.6\% |
| ME1 | 47591 | 2016 | Above Normal | October | Used in Summary Table Analysis | 75.0 | 49.3 | 25.8 | 34.3\% | 44.5 | 30.6 | 40.7\% | 29.6 | 45.4 | 60.5\% |
| ME1 | 47591 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,750.6 | 3,732.9 | 17.7 | 0.5\% | 3,729.3 | 21.3 | 0.6\% | 3,715.2 | 35.4 | 0.9\% |
| ME1 | 47591 | 2016 | Above Normal | December - |  | 36,049.8 | 36,034.7 | 15.0 | 0.0\% | 36,032.4 | 17.4 | 0.0\% | 36,022.0 | 27.8 | 0.1\% |
| ME1 | 47591 | 2016 | Above Normal | January | - | 56,723.4 | 56,708.3 | 15.0 | 0.0\% | 56,706.0 | 17.4 | 0.0\% | 56,996.8 | 26.6 | 0.0\% |
| ME 1 | 47591 | 2016 | Above Normal | February | - | 24,166.7 | 24,156.3 | 10.4 | 0.0\% | 24,153.9 | 12.7 | 0.1\% | 24,147.0 | 19.7 | 0.1\% |
| ME1 | 47591 | 2016 | Above Normal | March | - | 41,497.7 | 41,486.1 | 11.6 | 0.0\% | 41,483.8 | 13.9 | 0.0\% | 41,476.9 | 20.8 | 0.1\% |
| ME1 | 47591 | 2016 | Above Normal | April | - | 18,454.9 | 18,445.6 | 9.3 | 0.1\% | 18,443.3 | 11.6 | 0.1\% | 18,437.5 | 17.4 | 0.1\% |
| ME1 | 47591 | 2016 | Above Normal | May | - | 5,183.2 | 5,169.4 | 13.8 | 0.3\% | 5,166.7 | 16.6 | 0.3\% | 5,158.4 | 24.8 | 0.5\% |
| ME1 | 47591 | 2016 | Above Normal | June | - | 1,493.6 | 1,462.7 | 30.9 | 2.1\% | 1,457.8 | 35.9 | 2.4\% | 1,443.3 | 50.3 | 3.4\% |
| ME 1 | 47591 | 2016 | Above Normal | July | - | 806.3 | 774.8 | 31.5 | 3.9\% | 768.5 | 37.7 | 4.7\% | 750.2 | 56.1 | 7.0\% |
| ME1 | 47591 | 2016 | Above Normal | August | - | 474.4 | 445.6 | 28.8 | 6.1\% | 439.9 | 34.5 | 7.3\% | 422.6 | 51.8 | 10.9\% |
| ME1 | 47591 | 2016 | Above Normal | September | Used in Summary Table Analysis | 311.6 | 285.0 | 26.7 | 8.6\% | 279.4 | 32.2 | 10.3\% | 262.8 | 48.8 | 15.7\% |
| ME1 | 47591 | 2017 | Wet | October | Used in Summary Table Analysis | 18,057.9 | 18,037.0 | 20.8 | 0.1\% | 18,03.6 | 24.3 | 0.1\% | 18,022.0 | 35.9 | 0.2\% |
| ME1 | 47591 | 2017 | Wet | November | Used in Summary Table Analysis | 18,574.1 | 18,599.0 | 15.0 | 0.1\% | 18,55.6 | 18.5 | 0.1\% | 18,547.5 | 26.6 | 0.1\% |
| ME1 | 47591 | 2017 | Wet | December - | - | 23,725.7 | 23,713.0 | 12.7 | 0.1\% | 23,710.6 | 15.0 | 0.1\% | 23,702.5 | 23.1 | 0.1\% |
| ME 1 | 47591 | 2017 | Wet | January | - | 105,772.0 | 105,760.4 | 11.6 | 0.0\% | 105,758.1 | 13.9 | 0.0\% | 105,751.2 | 20.8 | 0.0\% |

thly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of finterest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flowwithout Pumping (cfs) | 00\% Pumping Increa |  |  | 00\% Pum |  |  | 80\%\% Pumping ncrease |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (ffs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (cfs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| me 1 | 47591 | 2017 | Wet |  | February | - | 81,173.6 | 81,163.2 | 10.4 | 0.0\% | 81,160.9 | 12.7 | 0.0\% | 81,153.9 | 19.7 | 0.0\% |
| ME1 | 47591 | 2017 | Wet | March | - | 27,061.3 | 27,052.1 | 9.3 | 0.0\% | 27,099.8 | 11.6 | 0.0\% | 27,044,0 | 17.4 | 0.1\% |
| ME1 | 47591 | 2017 | Wet | April | - | 22,710.6 | 22,701.4 | 9.3 | 0.0\% | 22,700.2 | 10.4 | 0.0\% | 22,694.4 | 16.2 | 0.1\% |
| ME1 | 47591 | 2017 | wet | May | - | 6,260.2 | 6,246.1 | 14.1 | 0.2\% | 6,243.3 | 16.9 | 0.3\% | 6,235.1 | 25.1 | 0.4\% |
| ME1 | 47591 | 2017 | Wet | June | - | 2,083.7 | 2,050.0 | 33.7 | 1.6\% | 2,043.4 | 40.3 | 1.9\% | 2,024.2 | 59.5 | 2.9\% |
| ME1 | 47591 | 2017 | Wet | July | - | 912.9 | 881.2 | 31.7 | 3.5\% | 874.9 | 38.0 | 4.2\% | 856.6 | 56.3 | 6.2\% |
| ME1 | 47591 | 2017 | Wet | August | - | 485.4 | 456.8 | 28.6 | 5.9\% | 451.1 | 34.3 | 7.1\% | 433.9 | 51.5 | 10.6\% |
| ME 1 | 47591 | 2017 | Wet | September | Used in Summary Table Analysis | 304.5 | 277.8 | 26.7 | 8.8\% | 272.4 | 32.1 | 10.5\% | 256.2 | 48.2 | 15.8\% |
| ME 1 | 47591 | 2018 | Above Normal | October | Used in Summary Table Analysis | 257.4 | 237.5 | 19.9 | 7.7\% | 233.4 | 24.0 | 9.3\% | 221.3 | 36.1 | 14.0\% |
| ME1 | 47591 | 2018 | Above Normal | November | Used in Summary Table Analysis | 10,529.1 | 10,514.6 | 14.5 | 0.1\% | 10,511.6 | 17.5 | 0.2\% | 10,502.7 | 26.4 | 0.3\% |
| ME1 | 47591 | 2018 | Above Normal | December | - | 5,417.0 | 5,405.0 | 12.0 | 0.2\% | 5,402.5 | 14.5 | 0.3\% | 5,395.1 | 21.9 | 0.4\% |
| ME1 | 47591 | 2018 | Above Normal | January | - | 17,332.2 | 17,321.8 | 10.4 | 0.1\% | 17,319.4 | 12.7 | 0.1\% | 17,312.5 | 19.7 | 0.1\% |
| ME 1 | 47591 | 2018 | Above Normal | February | - | 7,571.5 | 7,561.9 | 9.6 | 0.1\% | 7,559.8 | 11.7 | 0.2\% | 7,553.8 | 17.7 | 0.2\% |
| ME1 | 47591 | 2018 | Above Normal | March | - | 20,409.7 | 20,400.5 | 9.3 | 0.0\% | 20,399.3 | 10.4 | 0.1\% | 20,393.5 | 16.2 | 0.1\% |
| ME1 | 47591 | 2018 | Above Normal | April | - | 31,861.1 | 31,851.9 | 9.3 | 0.0\% | 31,850.7 | 10.4 | 0.0\% | 31,844.9 | 16.2 | 0.1\% |
| ME 1 | 47591 | 2018 | Above Normal | May | - | 6,972.1 | 6,947.1 | 25.0 | 0.4\% | 6,942.1 | 30.0 | 0.4\% | 6,927.2 | 44.9 | 0.6\% |
| ME1 | 47591 | 2018 | Above Normal | June | - | 1,897.3 | 1,866.8 | 30.6 | 1.6\% | 1,861.0 | 36.3 | 1.9\% | 1,843.6 | 53.7 | 2.8\% |
| ME1 | 47591 | 2018 | Above Normal | July | - | 763.4 | 731.5 | 31.9 | 4.2\% | 725.1 | 38.3 | 5.0\% | 706.1 | 57.3 | 7.5\% |
| ME1 | 47591 | 2018 | Above Normal | August | - | 424.6 | 397.2 | 27.4 | 6.5\% | 391.7 | 32.9 | 7.8\% | 375.1 | 49.6 | 11.7\% |
| ME1 | 47591 | 2018 | Above Normal | September | Used in Summary Table Analysis | 283.2 | 256.4 | 26.8 | 9.5\% | 251.0 | 32.2 | 11.4\% | 234.7 | 48.5 | 17.1\% |
| ME1 | 47591 | 2019 | Below Normal | October | Used in Summary Table Analysis | 194.0 | 174.2 | 19.8 | 10.2\% | 170.1 | 23.9 | 12.3\% | 157.9 | 36.0 | 18.6\% |
| ME1 | 47591 | 2019 | Below Normal | November | Used in Summary Table Analysis | 6,449.5 | 6,434.7 | 14.8 | 0.2\% | 6,431.7 | 17.8 | 0.3\% | 6,422.6 | 27.0 | 0.4\% |
| ME1 | 47591 | 2019 | Below Normal | December | - | 14,372.7 | 14,360.0 | 12.7 | 0.1\% | 14,357.6 | 15.0 | 0.1\% | 14,350.7 | 22.0 | 0.2\% |
| ME1 | 47591 | 2019 | Below Normal | January | - | 34,631.9 | 34,620.4 | 11.6 | 0.0\% | 34,618.1 | 13.9 | 0.0\% | 34,617.1 | 20.8 | 0.1\% |
| ME1 | 47591 | 2019 | Below Normal | February | - | 141,296.3 | 141,284.7 | 11.6 | 0.0\% | 141,284.7 | 11.6 | 0.0\% | 141,273.1 | 23.1 | 0.0\% |
| ME1 | 47591 | 2019 | Below Normal | March | - | 41,994.2 | 41,985.0 | 9.3 | 0.0\% | 41,982.6 | 11.6 | 0.0\% | 41,976.9 | 17.4 | 0.0\% |
| ME1 | 47591 | 2019 | Below Normal | April | - | 15,179.4 | 15,170.1 | 9.3 | 0.1\% | 15,167.8 | 11.6 | 0.1\% | 15,163.2 | 16.2 | 0.1\% |
| ME1 | 47591 | 2019 | Below Normal | May | - | 16,493.1 | 16,465.3 | 27.8 | 0.2\% | 16,460.6 | 32.4 | 0.2\% | 16,444.4 | 48.6 | 0.3\% |
| ME1 | 47591 | 2019 | Below Normal | June |  | 4,238.2 | 4,205.8 | 32.4 | 0.8\% | 4,199.8 | 38.4 | 0.9\% | 4,182.4 | 55.8 | 1.3\% |
| ME1 | 47591 | 2019 | Below Normal | July | - | 1,339.5 | 1,307.6 | 31.8 | 2.4\% | 1,301.4 | 38.1 | 2.8\% | 1,282.6 | 56.8 | 4.2\% |
| ME1 | 47591 | 2019 | Below Normal | August | - | 576.2 | 548.2 | 28.0 | 4.9\% | 542.6 | 33.6 | 5.8\% | 525.8 | 50.4 | 8.7\% |
| ME1 | 47591 | 2019 | Below Normal | September | Used in Summary Table Analysis | 445.1 | 418.7 | 26.4 | 5.9\% | 413.3 | 31.8 | 7.1\% | 397.4 | 47.8 | 10.7\% |
| ME1 | 47591 | 2020 | Dry | October | Used in Summary Table Analysis | 342.0 | 323.7 | 18.3 | 5.3\% | 319.9 | 22.0 | 6.4\% | 308.7 | 33.3 | 9.7\% |
| ME1 | 47591 | 2020 | Dry | November | Used in Summary Table Analysis | 294.1 | 281.2 | 12.9 | 4.4\% | 278.5 | 15.6 | 5.3\% | 270.5 | 23.6 | 8.0\% |
| ME1 | 47591 | 2020 | Dry | December |  | 12,858.8 | 12,847.2 | 11.6 | 0.1\% | 12,844.9 | 13.9 | 0.1\% | 12,838.0 | 20.8 | 0.2\% |
| ME1 | 47591 | 2020 | Dry | January | - | 21,993.1 | 21,982.6 | 10.4 | 0.0\% | 21,980.3 | 12.7 | 0.1\% | 21,973.4 | 19.7 | 0.1\% |
| ME1 | 47591 | 2020 | Dry | February | - | 7,395.5 | 7,386.0 | 9.5 | 0.1\% | 7,383.9 | 11.6 | 0.2\% | 7,378.1 | 17.4 | 0.2\% |
| ME1 | 47591 | 2020 | Dry | March | - | 7,179.4 | 7,170.3 | 9.1 | 0.1\% | 7,168.4 | 11.0 | 0.2\% | 7,163.0 | 16.4 | 0.2\% |
| ME1 | 47591 | 2020 | Dry | April | - | 5,411.9 | 5,385.4 | 26.5 | 0.5\% | 5,380.2 | 31.7 | 0.6\% | 5,364.6 | 47.3 | 0.9\% |
| ME1 | 47591 | 2020 | Dry | May | - | 7,286.8 | 7,256.7 | 30.1 | 0.4\% | 7,250.7 | 36.1 | 0.5\% | 7,232.9 | 53.9 | 0.7\% |
| ME1 | 47591 | 2020 | Dry | June | - | 2,097.8 | 2,056.8 | 41.0 | 2.0\% | 2,049.1 | 48.7 | 2.3\% | 2,026.2 | 71.6 | 3.4\% |
| ME1 | 47591 | 2020 | Dry | July | - | 782.2 | 745.1 | 37.0 | 4.7\% | 737.7 | 44.5 | 5.7\% | 720.3 | 61.8 | 7.9\% |
| ME 1 | 47591 | 2020 | Dry | August | - | 384.2 | 350.4 | 33.8 | 8.8\% | 343.5 | 40.7 | 10.6\% | 325.2 | 59.0 | 15.4\% |
| ME1 | 47591 | 2020 | Dry | September | Used in Summary Table Analysis | 234.0 | 202.2 | 31.7 | 13.6\% | 195.5 | 38.4 | 16.4\% | 176.3 | 57.6 | 24.6\% |
| ME 2 | 44584 | 2000 | Above Normal | October | Used in Summary Table Analysis | 803.0 | 78.2 | 22.8 | 2.8\% | 775.6 | 27.5 | 3.4\% | 761.7 | 41.4 | 5.2\% |
| ME 2 | 44584 | 2000 | Above Normal | November | Used in Summary Table Analysis | 11,866.9 | 11,849.5 | 17.4 | 0.1\% | 11,846.1 | 20.8 | 0.2\% | 11,835.6 | 31.3 | 0.3\% |
| ME2 | 4458 | 2000 | Above Normal | December | - | 10,676.9 | 10,662.4 | 14.5 | 0.1\% | 10,659.4 | 17.5 | 0.2\% | 10,650.6 | 26.3 | 0.2\% |
| ME 2 | 44584 | 2000 | Above Normal | January | - | 28,152.8 | 28,138.9 | 13.9 | 0.0\% | 28,136.6 | 16.2 | 0.1\% | 28,128.5 | 24.3 | 0.1\% |
| ME2 | 44584 | 2000 | Above Normal | February | - | 36,763.9 | 36,752.3 | 11.6 | 0.0\% | 36,750.0 | 13.9 | 0.0\% | 36,743.1 | 20.8 | 0.1\% |
| ME 2 | 44584 | 2000 | Above Normal | March | - | 18,230.3 | 18,219.9 | 10.4 | 0.1\% | 18,217.6 | 12.7 | 0.1\% | 18,210.6 | 19.7 | 0.1\% |
| ME2 | 4458 | 2000 | Above Normal | April | - | 12,250.0 | 12,239.6 | 10.4 | 0.1\% | 12,237.3 | 12.7 | 0.1\% | 12,231.5 | 18.5 | 0.2\% |
| ME2 | 4458 | 2000 | Above Normal | May | - | 7,041.3 | 7,012.5 | 28.8 | 0.4\% | 7,006.6 | 34.7 | 0.5\% | 6,989.5 | 51.9 | 0.7\% |
| ME2 | 44584 | 2000 | Above Normal | June | - | 2,591.3 | 2,546.4 | 44.9 | 1.7\% | 2,537.6 | 53.7 | 2.1\% | 2,511.5 | 79.9 | 3.1\% |
| ME 2 | 44584 | 2000 | Above Normal | July | - | 983.1 | 94.8 | 36.4 | 3.7\% | 939.6 | 43.6 | 4.4\% | 918.1 | 65.1 | 6.6\% |
| ME 2 | 44584 | 2000 | Above Normal | August | -- | 512.6 | 480.2 | 32.4 | 6.3\% | 473.7 | 38.9 | 7.6\% | 454.2 | 58.4 | 11.4\% |
| ME 2 | 44584 | 2000 | Above Normal | September | Used in Summary Table Analysis | 287.4 | 259.6 | 27.8 | 9.7\% | 254.1 | 33.3 | 11.6\% | 237.3 | 50.1 | 17.4\% |
| ME2 | 44584 | 2001 | Dry | October | Used in Summary Table Analysis | 3,758.0 | 3,735.5 | 22.5 | 0.6\% | 3,730.9 | 27.1 | 0.7\% | 3,717.2 | 40.7 | 1.1\% |
| ME 2 | 44584 | 2001 | Dry | November | Used in Summary Table Analysis | 6,030.4 | 6,013.3 | 17.1 | 0.3\% | 6,009.8 | 20.6 | 0.3\% | 5,999.4 | 31.0 | 0.5\% |
| ME 2 | 44584 | 2001 | Dry | December | - | 8,744.2 | 8,729.7 | 14.5 | 0.2\% | 8,726.9 | 17.4 | 0.2\% | 8,717.9 | 26.3 | 0.3\% |
| ME 2 | 44584 | 2001 | Dry | January | - | 12,610.0 | 12,597.2 | 12.7 | 0.1\% | 12,594.9 | 15.0 | 0.1\% | 12,586.8 | 23.1 | 0.2\% |
| ME2 | 4458 | 2001 | Dry | February | - | 17,357.6 | 17,346.1 | 11.6 | 0.1\% | 17,343.8 | 13.9 | 0.1\% | 17,336.8 | 20.8 | 0.1\% |
| ME2 | 44584 | 2001 | Dry | March | - | 12,238.4 | 12,228.0 | 10.4 | 0.1\% | 12,225.7 | 12.7 | 0.1\% | 122,219.9 | 18.5 | 0.2\% |
| ME 2 | 44584 | 2001 | Dry | April |  | 10,910.9 | 10,880.9 | 30.0 | 0.3\% | 10,875.0 | 35.9 | 0.3\% | 10,857.3 | 53.6 | 0.5\% |
| ME 2 | 44584 | 2001 | Dry | May | - | 2,636.5 | 2,601.9 | 34.6 | 1.3\% | 2,595.0 | 41.4 | 1.6\% | 2,574.4 | 62.0 | 2.4\% |

nthly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interes | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping ( ffs ) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | umping In |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cfs) |  | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference | Flow (ffs) | $\underset{\substack{\text { Difforencence } \\ \text { (ffs) }}}{\text { Fole }}$ | Percent Difference | Flow (ffs) | Flow Difference (cfs) | Percent Difference |
| ME 2 | 44584 | 2001 | Dry |  | June | - | 2,610.1 | 2,560.5 | 49.5 | 1.9\% | 2,550.9 | 59.1 | 2.3\% | 2,522.6 | 87.5 | 3.4\% |
| ME 2 | 4458 | 2001 | Dry | July | - | 715.8 | 673.8 | 42.0 | 5.9\% | 665.4 | 50.4 | 7.0\% | 645.2 | 70.5 | 9.9\% |
| ME 2 | 4458 | 2001 | Dry | August | - | 166.5 | 127.1 | 39.3 | 23.6\% | 119.2 | 47.2 | 28.4\% | 97.9 | 68.6 | 41.2 |
| ME2 | 4458 | 2001 | Dry | September | Used in Summary Table Analysis | 88.8 | 54.8 | 34.0 | 38.3\% | 48.0 | 40.8 | 46.0\% | 28.4 | 60.3 | 68.\% |
| ME 2 | 44584 | 2002 | Below Normal | October | Used in Summary Table Analysis | 257.2 | 228.8 | 28.4 | 11.0\% | 223.1 | 34.1 | 13.3\% | 205.6 | 51.6 | 20.1\% |
| ME 2 | 4458 | 2002 | Below Normal | November | Used in Summary Table Analysis | 11,900.5 | 11,878.5 | 22.0 | 0.2\% | 11,875.0 | 25.5 | 0.2\% | 11,858.8 | 41.7 | 0.4\% |
| ME2 | 4458 | 2002 | Below Normal | December - |  | 35,300.9 | 35,282.4 | 18.5 | 0.1\% | 35,277.8 | 23.1 | 0.1\% | 35,266.2 | 34.7 | 0.1\% |
| ME 2 | 4458 | 2002 | Below Normal | January | - | 30,635.4 | 30,619.2 | 16.2 | 0.1\% | 30,615.7 | 19.7 | 0.1\% | 30,605.3 | 30.1 | 0.1\% |
| ME2 | 4458 | 2002 | Below Normal | February | - | 24,532.4 | 24,517.4 | 15.0 | 0.1\% | 24,515.0 | 17.4 | 0.1\% | 24,505.8 | 26.6 | 0.1\% |
| ME 2 | 44584 | 2002 | Below Normal | March | - | 17,666.7 | 17,652.8 | 13.9 | 0.1\% | 17,650.5 | 16.2 | 0.1\% | 17,642.4 | 24.3 | 0.1\% |
| ME 2 | 44584 | 2002 | Below Normal | April | - | 9,882.3 | 9,853.1 | 29.2 | 0.3\% | 9,847.5 | 34.8 | 0.4\% | 9,830.1 | 52.2 | 0.5\% |
| ME 2 | 44584 | 2002 | Below Normal | May | - | 3,304.7 | 3,271.2 | 33.6 | 1.0\% | 3,264.5 | 40.3 | 1.2\% | 3,244.3 | 60.4 | 1.8\% |
| ME2 | 4458 | 2002 | Below Normal | June | - | 848.0 | 808.1 | 39.9 | 4.7\% | 800.3 | 47.7 | 5.6\% | 777.3 | 70.7 | 8.3\% |
| ME 2 | 44584 | 2002 | Below Normal | July | - | 356.2 | 318.3 | 37.9 | 10.6\% | 310.8 | 45.4 | 12.8\% | 289.0 | 67.2 | 18.9\% |
| ME 2 | 44584 | 2002 | Below Normal | August | - | 219.2 | 185.1 | 34.1 | 15.5\% | 178.3 | 40.9 | 18.7\% | 157.3 | 61.9 | 28.2\% |
| ME 2 | 44584 | 2002 | Below Normal | September | Used in Summary Table Analysis | 156.5 | 125.4 | 31.1 | 19.9\% | 119.1 | 37.4 | 23.9\% | 99.3 | 57.1 | 36.5\% |
| ME 2 | 44584 | 2003 | Wet | October | Used in Summary Table Analysis | 121.7 | 96.9 | 24.8 | 20.4\% | 91.8 | 29.8 | 24.5\% | 76.7 | 45.0 | 37.\% |
| ME 2 | 44584 | 2003 | Wet | November | Used in Summary Table Analysis | 885.8 | 866.9 | 18.9 | 2.1\% | 863.0 | 22.8 | 2.6\% | 851.2 | 34.6 | 3.9\% |
| ME 2 | 44584 | 2003 | Wet | December - |  | 55,917.8 | 55,901.6 | 16.2 | 0.0\% | 55,899.3 | 18.5 | 0.0\% | 55,888.9 | 28.9 | 0.1\% |
| ME 2 | 44584 | 2003 | Wet | January | - | 31,344.9 | 31,329.9 | 15.0 | 0.0\% | 31,327.5 | 17.4 | 0.1\% | 31,318.3 | 26.6 | 0.1\% |
| ME 2 | 4458 | 2003 | wet | February - | - | 20,255.8 | 20,24.1 | 12.7 | 0.1\% | 20,240.7 | 15.0 | 0.1\% | 20,232.6 | 23.1 | 0.1\% |
| ME 2 | 4458 | 2003 | Wet | March | - | 23,883.1 | 23,871.5 | 11.6 | 0.0\% | 23,869.2 | 13.9 | 0.1\% | 23,862.3 | 20.8 | 0.1\% |
| ME2 | 4458 | 2003 | Wet | April | - | 42,539.4 | 42,527.8 | 11.6 | 0.0\% | 42,525.5 | 13.9 | 0.0\% | 42,518.5 | 20.8 | 0.0\% |
| ME 2 | 44584 | 2003 | Wet | May | - | 12,173.6 | 12,144.7 | 28.9 | 0.2\% | 12,138.9 | 34.7 | 0.3\% | 12,120.4 | 53.2 | 0.4\% |
| ME 2 | 44584 | 2003 | wet | June | - | 3,155.8 | 3,119.2 | 36.6 | 1.2\% | 3,112.2 | 43.6 | 1.4\% | 3,091.3 | 64.5 | 2.0\% |
| ME 2 | 44584 | 2003 | wet | July | - | 1,462.8 | 1,425.5 | 37.4 | 2.6\% | 1,418.1 | 44.8 | 3.1\% | 1,395.9 | 66.9 | 4.6\% |
| ME 2 | 4458 | 2003 | Wet | August | - | 749.9 | 714.3 | 35.6 | 4.7\% | 706.8 | 43.1 | 5.7\% | 682.9 | 67.0 | 8.9\% |
| ME 2 | 4458 | 2003 | Wet | September | Used in Summary Table Analysis | 448.8 | 420.7 | 28.1 | 6.3\% | 415.1 | 33.7 | 7.5\% | 397.1 | 51.7 | 11.5\% |
| ME 2 | 44584 | 2004 | Wet | October | Used in Summary Table Analysis | 316.0 | 293.3 | 22.8 | 7.2\% | 288.6 | 27.4 | 8.7\% | 274.7 | ${ }^{41.3}$ | 13.1\% |
| ME 2 | 44584 | 2004 | wet | November | Used in Summary Table Analysis | 5,703.2 | 5,685.6 | 17.6 | 0.3\% | 5,681.9 | 21.3 | 0.4\% | 5,671.1 | 32.2 | 0.6\% |
| ME 2 | 44584 | 2004 | Wet | December - | - | 35,861.1 | 35,844,9 | 16.2 | 0.0\% | 35,842.6 | 18.5 | 0.1\% | 35,833.3 | 27.8 | 0.1\% |
| ME 2 | 44584 | 2004 | Wet | January | - | 31,166.7 | 31,153.9 | 12.7 | 0.0\% | 31,150.5 | 16.2 | 0.1\% | 31,143.5 | 23.1 | 0.1\% |
| ME 2 | 44584 | 2004 | Wet | February - |  | 37,942.1 | 37,929.4 | 12.7 | 0.0\% | 37,927.1 | 15.0 | 0.0\% | 37,920.1 | 22.0 | 0.1\% |
| ME2 | 44584 | 2004 | Wet | March | - | 16,472.2 | 16,460.6 | 11.6 | 0.1\% | 16,458.3 | 13.9 | 0.1\% | 16,451.4 | 20.8 | 0.1\% |
| ME 2 | 44584 | 2004 | Wet | April | - | 9,412.6 | 9,402.3 | 10.3 | 0.1\% | 9,400.1 | 12.5 | 0.1\% | 9,393.9 | 18.8 | 0.2\% |
| ME 2 | 44584 | 2004 | Wet | May | - | 3,390.0 | 3,361.1 | 28.9 | 0.9\% | 3,355.3 | 34.7 | 1.0\% | 3,338.3 | 51.7 | 1.5\% |
| ME 2 | 44584 | 2004 | Wet | June | - | 686.6 | 651.6 | 35.0 | 5.1\% | 644.8 | 41.8 | 6.1\% | 624.7 | 61.9 | 9.0\% |
| ME 2 | 44584 | 2004 | Wet | July | - | 348.1 | 311.4 | 36.7 | 10.5\% | 304.1 | 44.0 | 12.6\% | 282.3 | 65.8 | 18.9\% |
| ME 2 | 44584 | 2004 | Wet | August | - | 217.7 | 185.0 | 32.7 | 15.0\% | 178.5 | 39.2 | 18.0\% | 158.7 | 59.0 | 27.1\% |
| ME 2 | 44584 | 2004 | Wet | September | Used in Summary Table Analysis | 155.5 | 124.1 | 31.4 | 20.2\% | 117.8 | 37.7 | 24.3\% | 98.8 | 56.7 | 36.4\% |
| ME 2 | 44584 | 2005 | Above Normal | October | Used in Summary Table Analysis | 7,552.3 | 7,528.8 | 23.5 | 0.3\% | 7,524.1 | 28.2 | 0.4\% | 7,509.7 | 42.6 | 0.6\% |
| ME2 | 44584 | 2005 | Above Normal | November | Used in Summary Table Analysis | 2,239.5 | 2,222.0 | 17.5 | 0.8\% | 2,218.4 | 21.1 | 0.9\% | 2,207.8 | 31.7 | 1.4\% |
| ME 2 | 44584 | 2005 | Above Normal | December - | - | 20,651.6 | 20,636.6 | 15.0 | 0.1\% | 20,633.1 | 18.5 | 0.1\% | 20,623.8 | 27.8 | 0.1\% |
| ME2 | 44584 | 2005 | Above Normal | January | - | 22,089.1 | 22,076.4 | 12.7 | 0.1\% | 22,074.1 | 15.0 | 0.1\% | 22,066.0 | ${ }^{23.1}$ | ${ }^{0.1 \%}$ |
| ME 2 | 44584 | 2005 | Above Normal | February | - | 13,959.5 | 13,947.9 | 11.6 | 0.1\% | 13,945.6 | 13.9 | 0.1\% | 13,937.5 | 22.0 | 0.2\% |
| ME 2 | 44584 | 2005 | Above Normal | March | - | 28,343.8 | 28,332.2 | 11.6 | 0.0\% | 28,329.9 | 13.9 | 0.0\% | 28,322.9 | 20.8 | 0.1\% |
| ME2 | 44584 | 2005 | Above Normal | April | - | 21,297.5 | 21,287.0 | 10.4 | 0.0\% | 21,285.9 | 11.6 | 0.1\% | 21,278.9 | 18.5 | 0.1\% |
| ME 2 | 44584 | 2005 | Above Normal | May | - | 19,394.7 | 19,364.6 | 30.1 | 0.2\% | 19,358.8 | 35.9 | 0.2\% | 19,341.4 | 53.2 | 0.3\% |
| ME 2 | 44584 | 2005 | Above Normal | June | - | 15,663.2 | 15,616.9 | 46.3 | 0.3\% | 15,607.6 | 55.6 | 0.4\% | 15,581.0 | 82.2 | 0.5\% |
| ME 2 | 4458 | 2005 | Above Normal | July | - | 2,862.0 | 2,823.4 | 38.7 | 1.4\% | 2,816.3 | 45.7 | 1.6\% | 2,794.9 | 67.1 | 2.3\% |
| ME 2 | 44584 | 2005 | Above Normal | August | - | 972.3 | 939.8 | 32.6 | 3.3\% | 933.4 | 39.0 | 4.0\% | 914.0 | 58.3 | 6.0\% |
| ME2 | 44584 | 2005 | Above Normal | September | Used in Summary Table Analysis | 514.3 | 486.5 | 27.8 | 5.4\% | 481.0 | 33.3 | 6.5\% | 464.4 | 49.9 | 9.7\% |
| ME2 | 44584 | 2006 | Wet | October | Used in Summary Table Analysis | 622.3 | 600.1 | 22.2 | 3.6\% | 595.7 | 26.6 | 4.3\% | 582.1 | 40.2 | 6.5\% |
| ME 2 | 44584 | 2006 | Wet | November | Used in Summary Table Analysis | 9,134.8 | 9,118.2 | 16.7 | 0.2\% | 9,114.8 | 20.0 | 0.2\% | 9,104.5 | 30.3 | 0.3\% |
| ME 2 | 4458 | 2006 | wet | December - | -- | 42,932.9 | 42,917.8 | 15.0 | 0.0\% | 42,915.5 | 17.4 | 0.0\% | 42,905.1 | 27.8 | 0.1\% |
| ME 2 | 44584 | 2006 | wet | January | - | 45,784.7 | 45,772.0 | 12.7 | 0.0\% | 45,768.5 | 16.2 | 0.0\% | 45,760.4 | 24.3 | 0.1\% |
| ME2 | 4458 | 2006 | Wet | February |  | 26,399.3 | 26,387.7 | 11.6 | 0.0\% | 26,385.4 | 13.9 | 0.1\% | 26,378.5 | 20.8 | 0.1\% |
| ME 2 | 44584 | 2006 | Wet | March | - | 46,754.6 | 46,743.1 | 11.6 | 0.0\% | 46,740.7 | 13.9 | 0.0\% | 46,733.8 | 20.8 | 0.0\% |
| ME 2 | 44584 | 2006 | Wet | April | - | 30,268.5 | 30,258.1 | 10.4 | 0.0\% | 30,255.8 | 12.7 | 0.0\% | 30,25.0 | 18.5 | 0.1\% |
| ME 2 | 44584 | 2006 | Wet | May | - | 14,114.6 | 14,099.5 | 15.0 | 0.1\% | 14,096.1 | 18.5 | 0.1\% | 14,086.8 | 27.8 | 0.2\% |
| ME 2 | 44584 | 2006 | wet | June | - | 3,538.1 | 3,500.1 | 38.0 | 1.1\% | 3,492.7 | 45.4 | 1.3\% | 3,471.2 | 66.9 | 1.9\% |
| ME 2 | 44584 | 2006 | Wet | July | - | 1,266.4 | 1,229.9 | 36.6 | 2.9\% | 1,222.8 | 43.6 | 3.4\% | 1,201.6 | 64.8 | 5.1\% |
| ME 2 | 44584 | 2006 | Wet | August | - | 653.0 | 619.2 | 33.8 | 5.2\% | 612.5 | 40.5 | 6.2\% | 592.4 | 60.5 | 9.3\% |
| ME 2 | 44584 | 2006 | Wet | September | Used in Summary Table Analysis | 415.2 | 387.0 | 28.2 | 6.8\% | 381.4 | 33.8 | 8.2\% | 364.4 | 50.8 | 12.2\% |

thly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interest | Model Cell (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | 0\% Pumping In |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | Difference | Percent |  | Difference | Percent |  | Difference | Percent |
|  |  |  |  | Note | Flow (ffs) |  | (cfs) |  | Flow (cfs) |  |  | Flow (cts) |  |  |
| ME 2 | 44584 | 2007 | Above Normal |  | October | Used in Summary Table Analysis | 265.5 | 242.9 | 22.6 | 8.5\% | 238.4 | 27.2 | 10.2\% | 224.5 | 41.0 | 15.5\% |
| ME2 | 44584 | 2007 | Above Normal |  | November | Used in Summary Table Analysis | 8,516.3 | 8,498.6 | 17.7 | 0.2\% | 8,495.0 | 21.3 | 0.3\% | 8,484.0 | 32.3 | 0.4\% |
| ME 2 | 44584 | 2007 | Above Normal | December | - | 20,103.0 | 20,086.8 | 16.2 | 0.1\% | 20,084.5 | 18.5 | 0.1\% | 20,074.1 | 28.9 | 0.1\% |
| ME2 | 4458 | 2007 | Above Normal | January | - | 10,170.1 | 10,157.1 | 13.1 | 0.1\% | 10,154.3 | 15.9 | 0.2\% | 10,146.1 | 24.1 | 0.2\% |
| ME2 | 44584 | 2007 | Above Normal | February | - | 30,226.9 | 30,214.1 | 12.7 | 0.0\% | 30,211.8 | 15.0 | 0.0\% | 30,203.7 | 23.1 | 0.1\% |
| ME 2 | 44584 | 2007 | Above Normal | March | - | 13,042.8 | 13,031.3 | 11.6 | 0.1\% | 13,028.9 | 13.9 | 0.1\% | 13,022.0 | 20.8 | 0.2\% |
| ME 2 | 44584 | 2007 | Above Normal | April | - | 11,479.9 | 11,451.6 | 28.2 | 0.2\% | 11,446,1 | 33.8 | 0.3\% | 11,429.3 | 50.6 | 0.4\% |
| ME2 | 44584 | 2007 | Above Normal | May | - | 4,115.5 | 4,082.9 | 32.6 | 0.8\% | 4,076.4 | 39.1 | 1.0\% | 4,056.8 | 58.7 | 1.4\% |
| ME 2 | 44584 | 2007 | Above Normal | June | - | 1,482.4 | 1,440.3 | 42.1 | 2.8\% | 1,432.1 | 50.3 | 3.4\% | 1,407.9 | 74.5 | 5.0\% |
| ME2 | 44584 | 2007 | Above Normal | July | - | 490.2 | 450.8 | 39.4 | 8.0\% | 443.0 | 47.2 | 9.6\% | 420.1 | 70.1 | 14.3\% |
| ME2 | 44584 | 2007 | Above Normal | August | 兂 | 215.1 | 181.9 | 33.3 | 15.5\% | 175.2 | 39.9 | 18.5\% | 154.9 | 60.3 | 28.0\% |
| ME 2 | 44584 | 2007 | Above Normal | September | Used in Summary Table Analysis | 142.8 | 112.3 | 30.5 | 21.4\% | 106.2 | 36.6 | 25.6\% | 87.7 | 55.1 | 38.6\% |
| ME2 | 44584 | 2008 | Dry | October | Used in Summary Table Analysis | 3,380.1 | 3,355.9 | 24.2 | 0.7\% | 3,350.9 | 29.2 | 0.9\% | 3,336.1 | 44.0 | 1.3\% |
| ME 2 | 44584 | 2008 | Dry | November | Used in Summary Table Analysis | 3,223.5 | 3,205.6 | 17.9 | 0.6\% | 3,201.9 | 21.6 | 0.7\% | 3,190.9 | 32.6 | 1.0\% |
| ME2 | 44584 | 2008 | Dry | December | - | 22,725.7 | 22,709.5 | 16.2 | 0.1\% | 22,706.0 | 19.7 | 0.1\% | 22,696.8 | 28.9 | 0.1\% |
| ME2 | 44584 | 2008 | Dry | January | - | 37,147.0 | 37,131.9 | 15.0 | 0.0\% | 37,129.6 | 17.4 | 0.0\% | 37,120.4 | 26.6 | 0.1\% |
| ME 2 | 44584 | 2008 | Dry | February | - | 26,178.2 | 26,165.5 | 12.7 | 0.0\% | 26,163.2 | 15.0 | 0.1\% | 26,156.3 | 22.0 | 0.1\% |
| ME 2 | 44584 | 2008 | Dry | March | - | 11,752.3 | 11,740.7 | 11.6 | 0.1\% | 11,738.4 | 13.9 | 0.1\% | 11,731.5 | 20.8 | 0.2\% |
| ME 2 | 44584 | 2008 | Dry | April | - | 8,983.3 | 8,953.5 | 29.9 | 0.3\% | 8,947.6 | 35.8 | 0.4\% | 8,929.9 | 53.5 | 0.6\% |
| ME2 | 44584 | 2008 | Dry | May | - | 1,363.4 | 1,334.7 | 28.7 | 2.1\% | 1,329.3 | 34.1 | 2.5\% | 1,312.8 | 50.6 | 3.7\% |
| ME 2 | 44584 | 2008 | Dry | June | - | 431.4 | 385.1 | 46.3 | 10.7\% | 376.1 | 55.3 | 12.8\% | 349.4 | 81.9 | 19.0\% |
| ME2 | 44584 | 2008 | Dry | July | - | 250.2 | 207.8 | 42.4 | 17.\% | 199.4 | 50.8 | 20.3\% | 179.1 | 71.1 | 28.4\% |
| ME2 | 44584 | 2008 | Dry | August | -- | 173.1 | 133.7 | 39.4 | 22.8\% | 125.8 | 47.3 | 27.3\% | 101.5 | 71.6 | 41.4\% |
| ME 2 | 44584 | 2008 | Dry | September | Used in Summary Table Analysis | 134.8 | ${ }_{8956}^{96.6}$ | 38.2 28.2 | 28.3\% | 89.0 | 45.9 | 34.0\% | 67.0 | ${ }_{517}^{67.8}$ | 50.3\% |
| ME2 | 44584 | 2009 | Critical | October | Used in Summary Table Analysis | 913.8 | 885.6 | 28.2 | 3.1\% | 879.9 | 33.9 | 3.7\% | 862.2 | 51.7 | 5.7\% |
| ME 2 | 44584 | 2009 | Critical | November | Used in Summary Table Analysis | 5,414.5 | 5,393.8 | 20.7 | 0.4\% | 5,389.5 | 25.0 | 0.5\% | 5,373.8 | 40.6 | 0.8\% |
| ME2 | 44584 | 2009 | Critical | December |  | 11,960.6 | 11,943.3 | 17.4 | 0.1\% | 11,939.8 | 20.8 | 0.2\% | 11,928.2 | 32.4 | 0.3\% |
| ME2 | 44584 | 2009 | Critical | January | - | 8,738.3 | 8,722.6 | 15.7 | 0.2\% | 8,719.4 | 18.9 | 0.2\% | 8,709.7 | 28.6 | 0.3\% |
| ME2 | 44584 | 2009 | Critical | February | - | 22,443,3 | 22,429.4 | 13.9 | 0.1\% | 22,427.1 | 16.2 | 0.1\% | 22,419.0 | 24.3 | 0.1\% |
| ME2 | 44584 | 2009 | Critical | March | - | 20,993.1 | 20,981.5 | 11.6 | 0.1\% | 20,978.0 | 15.0 | 0.1\% | 20,971.1 | 22.0 | 0.1\% |
| ME 2 | 44584 | 2009 | Critical | April | - | 10,081.7 | 10,050.9 | 30.8 | 0.3\% | 10,044.9 | 36.8 | 0.4\% | 10,026.6 | 55.1 | 0.5\% |
| ME 2 | 44584 | 2009 | Critical | May | - | 15,518.5 | 15,481.5 | 37.0 | 0.2\% | 15,474.5 | 44.0 | 0.3\% | 15,452.5 | 66.0 | 0.4\% |
| ME 2 | 44584 | 2009 | Critical | June | - | 3,150.5 | 3,100.5 | 50.0 | 1.6\% | 3,090.9 | 59.6 | 1.9\% | 3,062.3 | 88.2 | 2.8\% |
| ME 2 | 44584 | 2009 | Critical | July | - | 1,254.9 | 1,212.3 | 42.6 | 3.4\% | 1,203.8 | 51.0 | 4.1\% | 1,183.6 | 71.3 | 5.7\% |
| ME2 | 44584 | 2009 | Critical | August | -- | 660.6 | 621.1 | 39.5 | 6.0\% | 613.2 | 47.4 | 7.2\% | 591.7 | 68.9 | 10.4\% |
| ME 2 | 44584 | 2009 | Critical | September | Used in Summary Table Analysis | 382.7 | 348.6 | 34.1 | 8.9\% | 341.8 | 41.0 | 10.7\% | 322.1 | 60.6 | 15.8\% |
| ME 2 | 44584 | 2010 | Below Normal | October | Used in Summary Table Analysis | 6,075.0 | 6,046.8 | 28.2 | 0.5\% | 6,041.1 | 33.9 | 0.6\% | 6,022.6 | 52.4 | 0.9\% |
| ME 2 | 44584 | 2010 | Below Normal | November | Used in Summary Table Analysis | 8,224.4 | 8,203.1 | 21.3 | 0.3\% | 8,198.8 | 25.6 | 0.3\% | 8,182.9 | 41.6 | 0.5\% |
| ME 2 | 44584 | 2010 | Below Normal | December | - | 12,222.2 | 12,203.7 | 18.5 | 0.2\% | 12,200.2 | 22.0 | 0.2\% | 12,188.7 | 33.6 | 0.3\% |
| ME2 | 44584 | 2010 | Below Normal | January | - | 35,787.0 | 35,772.0 | 15.0 | 0.0\% | 35,768.5 | 18.5 | 0.1\% | 35,758.1 | 28.9 | 0.1\% |
| ME 2 | 44584 | 2010 | Below Normal | February | - | 27,118,1 | 27,105.3 | 12.7 | 0.0\% | 27,101.9 | 16.2 | 0.1\% | 27,093.8 | 24.3 | 0.1\% |
| ME2 | 44584 | 2010 | Below Normal | March | - | 28,728.0 | 28,715.3 | 12.7 | 0.0\% | 28,713.0 | 15.0 | 0.1\% | 28,704.9 | 23.1 | 0.1\% |
| ME 2 | 44584 | 2010 | Below Normal | April | - | 39,811.3 | 39,799.8 | 11.6 | 0.0\% | 39,796.3 | 15.0 | 0.0\% | 39,789.4 | 22.0 | 0.1\% |
| ME2 | 44584 | 2010 | Below Normal | May | - | 20,112.3 | 20,081.0 | 31.3 | 0.2\% | 20,075.2 | 37.0 | 0.2\% | 20,056.7 | 55.6 | 0.3\% |
| ME2 | 44584 | 2010 | Below Normal | June |  | 9,227.0 | 9,180.0 | 47.0 | 0.5\% | 9,170.8 | 56.1 | 0.6\% | 9,143.6 | 83.3 | 0.9\% |
| ME 2 | 44584 | 2010 | Below Normal | July | - | 1,447.0 | 1,408.3 | 38.7 | 2.7\% | 1,400.9 | 46.1 | 3.2\% | 1,378.9 | 68.1 | 4.7\% |
| ME2 | 44584 | 2010 | Below Normal | August | - | 558.2 | 524.8 | 33.4 | 6.0\% | 518.2 | 40.0 | 7.2\% | 498.5 | 59.7 | 10.7\% |
| ME 2 | 44584 | 2010 | Below Normal | September | Used in Summary Table Analysis | 639.9 | 607.5 | 32.4 | 5.1\% | 601.0 | 38.9 | 6.1\% | 581.7 | 58.2 | 9.1\% |
| ME2 | 44584 | 2011 | Wet | October | Used in Summary Table Analysis | 9,538.7 | 9,515.9 | 22.8 | 0.2\% | 9,511.2 | 27.4 | 0.3\% | 9,497.5 | 41.2 | 0.4\% |
| ME 2 | 44584 | 2011 | Wet | November | Used in Summary Table Analysis | 14,111.1 | 14,093.8 | 17.4 | 0.1\% | 14,090.3 | 20.8 | 0.1\% | 14,079.9 | 31.3 | 0.2\% |
| ME2 | 44584 | 2011 | wet | December |  | 33,258.1 | 33,243.1 | 15.0 | 0.0\% | 33,238,4 | 19.7 | 0.1\% | 33,229.2 | 28.9 | 0.1\% |
| ME2 | 44584 | 2011 | Wet | January | - | 14,071.8 | 14,059.0 | 12.7 | 0.1\% | 14,056.7 | 15.0 | 0.1\% | 14,048.6 | 23.1 | 0.2\% |
| ME2 | 44584 | 2011 | Wet | February | - | 20,886.3 | 20,673.6 | 12.7 | 0.1\% | 20,671.3 | 15.0 | 0.1\% | 20,664.4 | 22.0 | 0.1\% |
| ME2 | 44584 | 2011 | Wet | March | - | 51,715.3 | 51,703.7 | 11.6 | 0.0\% | 51,701.4 | 13.9 | 0.0\% | 51,694.4 | 20.8 | 0.0\% |
| ME 2 | 44584 | 2011 | Wet | April | - | 24,699.1 | 24,688.7 | 10.4 | 0.0\% | 24,686,3 | 12.7 | 0.1\% | 24,679.4 | 19.7 | 0.1\% |
| ME 2 | 44584 | 2011 | wet | May | - | 11,335.2 | 11,305.6 | 29.6 | 0.3\% | 11,299.8 | 35.4 | 0.3\% | 11,282.3 | 52.9 | 0.5\% |
| ME2 | 44584 | 2011 | Wet | June | - | 7,009.7 | 6,963.7 | 46.1 | 0.7\% | 6,954.6 | 55.1 | 0.8\% | 6,927.9 | 81.8 | 1.2\% |
| ME 2 | 44584 | 2011 | Wet | July | - | 1,824.5 | 1,781.1 | 43.4 | 2.4\% | 1,772.6 | 52.0 | 2.8\% | 1,748.5 | 76.0 | 4.2\% |
| ME2 | 44584 | 2011 | Wet | August | - | 768.3 | 735.3 | 32.9 | 4.3\% | 728.8 | 39.5 | 5.1\% | 709.1 | 59.1 | 7.7\% |
| ME2 | 44584 | 2011 | Wet | September | Used in Summary Table Analysis | 425.0 | 396.3 | 28.7 | 6.7\% | 390.6 | 34.4 | 8.1\% | 373.3 | 51.6 | 12.2\% |
| ME2 | 44584 | 2012 | Below Normal | October | Used in Summary Table Analysis | 4,493.5 | 4,470.6 | 22.9 | 0.5\% | 4,466.0 | 27.5 | 0.6\% | 4,451.9 | 41.7 | 0.9\% |
| ME 2 | 44584 | 2012 | Below Normal | November | Used in Summary Table Analysis | 8,138.7 | 8,120.9 | 17.7 | 0.2\% | 8,117.4 | 21.3 | 0.3\% | 8,106.4 | ${ }^{32.3}$ | 0.4\% |
| ME2 | 44584 | 2012 | Below Normal | December |  | 5,139.9 | 5,125.0 | 14.9 | 0.3\% | 5,121.9 | 18.1 | 0.4\% | 5,112.6 | 27.3 | 0.5\% |
| ME 2 | 44584 | 2012 | Below Normal | January | - | 19,828.7 | 19,816.0 | 12.7 | 0.1\% | 19,812.5 | 16.2 | 0.1\% | 19,804.4 | 24.3 | 0.1\% |

thly Average Stream Flow Due to Groundwater Extraction
At Surface Water Depletion Locations of Interest
Eel River Valley Groundwater Sustainability Plan

| Surface Water Depletion Area Area of Interes | (Row, Column, Surface Water Reach) | Water Year Water Year Type |  | Month |  | Flow Without Pumping (cfs) | 400\% Pumping Increase |  |  | 500\% Pumping Increase |  |  | \% Pumping Inc |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Note | Flow (cts) |  | $\begin{gathered} \text { How } \\ \begin{array}{c} \text { Difference } \\ \text { (cfs) } \end{array} \\ \hline \end{gathered}$ | Percent Difference | Flow (ffs) | $\begin{aligned} & \text { Flow } \\ & \text { Difference } \\ & \text { (cfs) } \end{aligned}$ | Percent Difference | Flow (ffs) | $\begin{gathered} \text { Flow } \\ \text { Difference } \\ \text { (cfs) } \end{gathered}$ | Percent Difference |
| ME 2 | 4458 | 2012 | Below Normal |  | February | - | 18,130.8 | 18,119.2 | 11.6 | 0.1\% | 18,115.7 | 15.0 | 0.1\% | 18,108.8 | 22.0 | 0.1\% |
| ME 2 | 44584 | 2012 | Below Normal | March | - | 45,086.8 | 45,075.2 | 11.6 | 0.0\% | 45,072.9 | 13.9 | 0.0\% | 45,064.8 | 22.0 | 0.0\% |
| ME 2 | 44584 | 2012 | Below Normal | April | - | 26,736.1 | 26,725.7 | 10.4 | 0.0\% | 26,723.4 | 12.7 | 0.0\% | 26,716.4 | 19.7 | 0.1\% |
| ME 2 | 44584 | 2012 | Below Normal | May | - | 7,453.4 | 7,423.7 | 29.6 | 0.4\% | 7,417.8 | 35.5 | 0.5\% | 7,400.6 | 52.8 | 0.7\% |
| ME 2 | 44584 | 2012 | Below Normal | June | - | 5,469.8 | 5,422.8 | 47.0 | 0.9\% | 5,413.7 | 56.1 | 1.0\% | 5,386.7 | 83.1 | 1.5\% |
| ME 2 | 44584 | 2012 | Below Normal | July | - | 2,95.8 | 2,153.2 | 42.6 | 1.9\% | 2,144.8 | 51.0 | 2.3\% | 2,119.9 | 75.9 | 3.5\% |
| ME 2 | 44584 | 2012 | Below Normal | August | - | 382.6 | 351.7 | 30.9 | 8.1\% | 345.5 | 37.0 | 9.7\% | 327.1 | 55.5 | 14.5\% |
| ME 2 | 44584 | 2012 | Below Normal | September | Used in Summary Table Analysis | 241.1 | 214.3 | 26.7 | 11.1\% | 209.0 | 32.1 | 13.3\% | 193.0 | 48. | 19.9\% |
| ME 2 | 44584 | 2013 | Below Normal | October | Used in Summary Table Analysis | 1,880.8 | 1,857.8 | 23.0 | 1.2\% | 1,853.1 | 27.7 | 1.5\% | 1,839.0 | 41.8 | 2.2\% |
| ME 2 | 44584 | 2013 | Below Normal | November | Used in Summary Table Analysis | 14,502.3 | 14,485.0 | 17.4 | 0.1\% | 14,481.5 | 20.8 | 0.1\% | 14,469.9 | 32.4 | 0.2\% |
| ME 2 | 44584 | 2013 | Below Normal | December | - | 59,579.9 | 59,563.7 | 16.2 | 0.0\% | 59,561.3 | 18.5 | 0.0\% | 59,550.9 | 28.9 | 0.0\% |
| ME 2 | 4458 | 2013 | Below Normal | January | - | 22,079.9 | 22,067.1 | 12.7 | 0.1\% | 22,064.8 | 15.0 | 0.1\% | 22,056.7 | 23.1 | 0.1\% |
| ME 2 | 44584 | 2013 | Below Normal | February | - | 8,789.5 | 8,777.1 | 12.4 | 0.1\% | 8,774.5 | 14.9 | 0.2\% | 8,766.9 | 22.6 | 0.3\% |
| ME 2 | 4458 | 2013 | Below Normal | March | - | 10,245.0 | 10,233.3 | 11.7 | 0.1\% | 10,231.0 | 14.0 | 0.1\% | 10,233.8 | 21.2 | 0.2\% |
| ME 2 | 44584 | 2013 | Below Normal | April | - | 8,265.6 | 8,238.1 | 27.5 | 0.3\% | 8,232.6 | 33.0 | 0.4\% | 8,216.1 | 49.5 | 0.6\% |
| ME 2 | 44584 | 2013 | Below Normal | May | - | 4,397.8 | 4,365.2 | 32.6 | 0.7\% | 4,358.7 | 39.1 | 0.9\% | 4,339.2 | 58.6 | 1.3\% |
| ME 2 | 44584 | 2013 | Below Normal | June | - | 2,100.0 | 2,058.1 | 41.9 | 2.0\% | 2,049.9 | 50.1 | 2.4\% | 2,025.7 | 74.3 | 3.5\% |
| ME 2 | 44584 | 2013 | Below Normal | July | - | 714.1 | 677.2 | 36.9 | 5.2\% | 669.8 | 44.2 | 6.2\% | 648.6 | 65.5 | 9.2\% |
| ME 2 | 44584 | 2013 | Below Normal | August | - | 333.5 | 300.1 | 33.4 | 10.\% | 293.5 | 40.0 | 12.\% | 272.9 | 60.6 | 18.2\% |
| ME 2 | 44584 | 2013 | Below Normal | September | Used in Summary Table Analysis | 4,736.7 | 4,701.5 | 35.2 | 0.7\% | 4,694.4 | 42.2 | 0.9\% | 4,673.1 | 63.5 | 1.3\% |
| ME 2 | 4458 | 2014 | Critical | October | Used in Summary Table Analysis | 280.3 | 256.7 | 23.5 | 8.4\% | 252.0 | 28.3 | 10.1\% | 238.5 | 41.8 | 14.9\% |
| ME 2 | 44584 | 2014 | Critical | November | Used in Summary Table Analysis | 1,512.3 | 1,494.1 | 18.2 | 1.2\% | 1,490.4 | 21.9 | 1.4\% | 1,479.4 | 32.9 | 2.2\% |
| ME 2 | 44584 | 2014 | Critical | December |  | 1,574.9 | 1,559.6 | 15.3 | 1.0\% | 1,556.5 | 18.4 | 1.2\% | 1,547.0 | 27.9 | 1.8\% |
| ME 2 | 44584 | 2014 | Critical | January | - | 2,794.4 | 2,781.1 | 13.3 | 0.5\% | 2,78.4 | 16.1 | 0.6\% | 2,70.1 | 24.3 | 0.9\% |
| ME 2 | 44584 | 2014 | Critical | February | - | 15,671.3 | 15,658.6 | 12.7 | 0.1\% | 15,656.3 | 15.0 | 0.1\% | 15,648.1 | 23.1 | 0.1\% |
| ME 2 | 44584 | 2014 | Critical | March | - | 31,378.5 | 31,368.1 | 10.4 | 0.0\% | 31,365.7 | 12.7 | 0.0\% | 31,357.6 | 20.8 | 0.1\% |
| ME 2 | 44584 | 2014 | Critical | April | - | 12,953.7 | 12,923.6 | 30.1 | 0.2\% | 12,917.8 | 35.9 | 0.3\% | 12,899.3 | 54.4 | 0.4\% |
| ME 2 | 44584 | 2014 | Critical | May |  | 5,165.7 | 5,130.4 | 35.3 | 0.7\% | 5,123.5 | 42.2 | 0.8\% | 5,102.4 | 63.3 | 1.2\% |
| ME 2 | 4458 | 2014 | Critical | June | - | 1,189.6 | 1,139.4 | 50.2 | 4.2\% | 1,129.5 | 60.0 | 5.0\% | 1,101.4 | 88.1 | 7.4\% |
| ME 2 | 44584 | 2014 | Critical | July | - | 541.3 | 498.8 | 42.5 | 7.8\% | 490.4 | 50.9 | 9.4\% | 469.9 | 71.4 | 13.2\% |
| ME 2 | 44584 | 2014 | Critical | August | - | 341.3 | 302.2 | 39.1 | 11.5\% | 294.4 | 46.9 | 13.7\% | 273.1 | 68.2 | 20.0\% |
| ME 2 | 44584 | 2014 | Critical | September | Used in Summary Table Analysis | 2,550.2 | 2,511.0 | 39.2 | 1.5\% | 2,503.2 | 47.0 | 1.8\% | 2,480.4 | 69.8 | 2.7\% |
| ME 2 | 44584 | 2015 | Dry | October | Used in Summary Table Analysis | 11,270.4 | 11,241.2 | 29.2 | 0.3\% | 11,235.6 | 34.7 | 0.3\% | 11,218.5 | 51.9 | 0.5\% |
| ME 2 | 44584 | 2015 | Dry | November | Used in Summary Table Analysis | 8,943.8 | 8,923.0 | 20.7 | 0.2\% | 8,918.9 | 24.9 | 0.3\% | 8,903.4 | 40.4 | 0.5\% |
| ME 2 | 44584 | 2015 | Dry | December | - | 32,260.4 | 32,243.1 | 17.4 | 0.1\% | 32,239.6 | 20.8 | 0.1\% | 32,28.0 | 32.4 | 0.1\% |
| ME 2 | 44584 | 2015 | Dry | January | - | 14,523.1 | 14,508.1 | 15.0 | 0.1\% | 14,504.6 | 18.5 | 0.1\% | 14,494.2 | 28.9 | 0.2\% |
| ME 2 | 44584 | 2015 | Dry | February | - | 27,093.8 | 27,079.9 | 13.9 | 0.1\% | 27,077.5 | 16.2 | 0.1\% | 27,069.4 | 24.3 | 0.1\% |
| ME 2 | 44584 | 2015 | Dry | March |  | 11,537.5 | 11,525.8 | 11.7 | 0.1\% | 11,523.4 | 14.1 | 0.1\% | ${ }^{11,516.1}$ | 21.4 | 0.2\% |
| ME 2 | 44584 | 2015 | Dry | April | - | 8,295.0 | 8,264.5 | 30.6 | 0.4\% | 8,258.3 | 36.7 | 0.4\% | 8,240.3 | 54.7 | 0.7\% |
| ME 2 | 44584 | 2015 | Dry | May | - | 1,507.6 | 1,472.3 | 35.3 | 2.3\% | 1,465.5 | 42.1 | 2.8\% | 1,445.7 | 61.9 | 4.1\% |
| ME 2 | 44584 | 2015 | Dry | June | - | 649.0 | 602.1 | 46.9 | 7.2\% | 592.9 | 56.1 | 8.6\% | 565.9 | 83.1 | 12.8\% |
| ME2 | 44584 | 2015 | Dry | July | - | 264.6 | 221.8 | 42.8 | 16.2\% | 213.3 | 51.3 | 19.4\% | 192.8 | 71.7 | 27.1\% |
| ME 2 | 44584 | 2015 | Dry | August | - | 160.4 | 120.9 | 39.6 | 24.7\% | 112.9 | 47.5 | 29.6\% | 91.5 | 69.0 | 43.0\% |
| ME2 | 44584 | 2015 | Dry | September | Used in Summary Table Analysis | 116.0 | 79.0 | 37.0 | 31.9\% | 71.3 | 44.7 | 38.6\% | 49.0 | 67.0 | 57.8\% |
| ME 2 | 44584 | 2016 | Above Normal | October | Used in Summary Table Analysis | 81.7 | 51.3 | 30.4 | 37.2\% | 45.6 | 36.2 | 44.2\% | 28.1 | 53.6 | 65.6\% |
| ME 2 | 44584 | 2016 | Above Normal | November | Used in Summary Table Analysis | 3,783.7 | 3,762.3 | 21.4 | 0.6\% | 3,757.9 | 25.8 | 0.7\% | 3,741.6 | 42.1 | 1.1\% |
| ME2 | 44584 | 2016 | Above Normal | December |  | 36,199.1 | 36,180.6 | 18.5 | 0.1\% | 36,177.1 | 22.0 | 0.1\% | 36,165.5 | 33.6 | 0.1\% |
| ME 2 | 44584 | 2016 | Above Normal | January | - | 56,877.3 | 56,861.1 | 16.2 | 0.0\% | 56,857.6 | 19.7 | 0.0\% | 56,847.2 | 30.1 | 0.1\% |
| ME 2 | 4458 | 2016 | Above Normal | February | - | 24,196.8 | 24,182.9 | 13.9 | 0.1\% | 24,180.6 | 16.2 | 0.1\% | 24,172.5 | 24.3 | 0.1\% |
| ME 2 | 44584 | 2016 | Above Normal | March | - | 41,572.9 | 41,560.2 | 12.7 | 0.0\% | 41,556.7 | 16.2 | 0.0\% | 41,549.8 | 23.1 | 0.1\% |
| ME 2 | 44584 | 2016 | Above Normal | April | - | 18,480.3 | 18,468.8 | 11.6 | 0.1\% | 18,466.4 | 13.9 | 0.1\% | 18,459.5 | 20.8 | 0.1\% |
| ME 2 | 44584 | 2016 | Above Normal | May | - | 5,195.6 | 5,179.9 | 15.7 | 0.3\% | 5,176.6 | 19.0 | 0.4\% | 5,167.1 | 28.5 | 0.5\% |
| ME 2 | 44584 | 2016 | Above Normal | June |  | 1,501.9 | 1,467.1 | 34.7 | 2.3\% | 1,461.3 | 40.5 | 2.7\% | 1,444.6 | 57.3 | 3.8\% |
| ME 2 | 44584 | 2016 | Above Normal | July | - | 814.7 | 777.9 | 36.7 | 4.5\% | 770.6 | 44.0 | 5.4\% | 749.3 | 65.4 | 8.0\% |
| ME 2 | 44584 | 2016 | Above Normal | August | - | 482.8 | 448.6 | 34.2 | 7.1\% | 441.8 | 41.0 | 8.5\% | 421.4 | 61.4 | 12.7\% |
| ME 2 | 44584 | 2016 | Above Normal | September | Used in Summary Table Analysis | 319.8 | 288.3 | 31.5 | 9.9\% | 281.8 | 38.0 | 11.9\% | 262.4 | 57.4 | 18.0\% |
| ME 2 | 44584 | 2017 | Wet | October | Used in Summary Table Analysis | 18,119.2 | 18,094.9 | 24.3 | 0.1\% | 18,090.3 | 28.9 | 0.2\% | 18,076.4 | 42.8 | 0.2\% |
| ME 2 | 4458 | 2017 | Wet | November | Used in Summary Table Analysis | 18,641.2 | 18,622.7 | 18.5 | 0.1\% | 18,619.2 | 22.0 | 0.1\% | 18,608.8 | 32.4 | 0.2\% |
| ME 2 | 44584 | 2017 | Wet | December |  | 23,827.5 | 23,812.5 | 15.0 | 0.1\% | 23,809.0 | 18.5 | 0.1\% | 23,799.8 | 27.8 | 0.1\% |
| ME 2 | 4458 | 2017 | Wet | January | - | 106,061.3 | 106,047.5 | 13.9 | 0.0\% | 106,045.1 | 16.2 | 0.0\% | 106,035.9 | 25.5 | 0.0\% |
| ME 2 | 4458 | 2017 | Wet | February | - | 81,344.9 | 81,332.2 | 12.7 | 0.0\% | 81,329.9 | 15.0 | 0.0\% | 81,321.8 | 23.1 | 0.0\% |
| ME 2 | 4458 | 2017 | wet | March | - | 27,199.2 | 27,107.6 | 11.6 | 0.0\% | 27,105.3 | 13.9 | 0.1\% | 27,098.4 | 20.8 | 0.1\% |
| ME 2 | 44584 | 2017 | Wet | April |  | 22,772.0 | 22,761.6 | 10.4 | 0.0\% | 22,759.3 | 12.7 | 0.1\% | 22,753.5 | 18.5 | 0.1\% |
| ME 2 | 44584 | 2017 | Wet | May | - | 6,267.7 | 6,252.0 | 15.7 | 0.3\% | 6,248.8 | 18.9 | 0.3\% | 6,239.5 | 28.2 | 0.5\% |

