

decisions. This management action supports several GSP elements, most notably efforts to replenish groundwater extractions, enhance conjunctive use, and implement measures addressing in-lieu use, among others.

### **7.3 PHASE TWO PROJECTS**

In the event that management projects and actions in Phase One are inadequate to achieve the KRGSA Sustainability Goal, additional projects will be developed and implemented. Because these are conceptual, only brief descriptions are provided herein. None of these projects and actions are scheduled for implementation in the first five years. Five-Year GSP Updates will be used to determine the need to expedite the planning and implementation of additional management projects, including ideas provided herein.

#### **7.3.1 Expansion of the Northeast Treatment Plant to Buildout**

As previously described, the Northeast Treatment Plant has plans to expand its capacity to 43 MGD by 2030 with a buildout of 60 MGD. Increasing surface water treatment capacity to full buildout would allow optimization of Kern River water for direct use while reducing groundwater pumping. Turning off municipal well pumps in certain areas would likely allow the aquifer to recover more quickly than even local recharge could accomplish. By providing the flexibility to meet a larger percentage of the increasing urban demands with treated surface water, conjunctive management of Kern River water could be improved in the KRGSA.

#### **7.3.2 Re-negotiation of Banking Contract**

The current KDWD banking program will be re-evaluated for improved conditions when the current term expires. Specifically, KDWD will explore options such as increasing the amount of banked water left in the local Subbasin groundwater. This larger “leave-behind” provides a buffer for overdraft and adds groundwater supply to the KRGSA.

#### **7.3.3 Capital Improvement to Municipal Wells**

GSP Phase One Projects and Management Actions combine to provide conjunctive use and recharge for the maintenance of water levels to meet minimum thresholds across the KRGSA Plan Area. These projects and actions provide operational flexibility to pump and rest specific wells in municipal wellfields to avoid undesirable results. In some cases, more wells pumping at lower rates would be advantageous to maintain water levels in certain areas. City wells are currently equipped with variable frequency drives (VFDs) to allow flexibility in pumping rates.

In addition, water quality can also be better managed with the flexibility of altering pumping rates. For example, the City has observed that arsenic levels in some wells can be better controlled when wells are operated at lower rates. TCP wellhead treatment facilities require active pumping to better manage bacteria, but lower rates may be sufficient to accomplish this objective. Cal Water can consider the

potential benefits and select priority locations for wellhead improvements to meet sustainable management criteria, including the installation of VFDs in wells.

For installation of new municipal wells, well designs should consider avoiding undesirable results in certain areas. Test wells should be considered in new areas to better evaluate depth-specific water quality. Depth-specific sampling can also be accomplished in new or existing wells to better define aquifer layers or zones where constituents of concern, including arsenic and TCP, are concentrated.

#### **7.3.4 Install Dedicated Monitoring Wells**

If results described in Phase One actions to improve KRGSA monitoring are determined to be insufficient to locate and dedicate existing wells into the GSP monitoring network, new monitoring wells will be considered. Siting, design, installation, and monitoring protocols will be developed based on BMPs for monitoring networks and following monitoring protocols and data standards for monitoring wells provided in the GSP regulations (§352.2 and §352.4). Monitoring data will be maintained in a data management system as provided in §352.6.

#### **7.3.5 Expansion of Recharge Facilities**

As described in **Section 3.2.4.3**, only about one-half of the total acreage in the COB 2800 Recharge facility has been developed with spreading basins. For Phase Two, approximately 700 acres are identified for construction of additional basins to increase recharge capacity as needed. The extra capacity to optimize conjunctive use may be identified as part of the City's Phase One conjunctive use project (see **Section 7.1.2**. above).

### **7.4 PHASE TWO MANAGEMENT ACTIONS**

If the KRGSA Plan Managers determine that undesirable results are difficult to avoid with Phase One activities alone, additional management actions will require consideration. Because Phase One projects provided sufficient amounts of water supply to eliminate historical and projected deficits and overdraft, allocation and demand reductions were not emphasized. However, additional management actions can be developed at many levels to assist with achieving the KRGSA Sustainability Goal, as needed.

#### **7.4.1 Pumping Reductions and Allocation of Agricultural Groundwater Supply**

If sustainable management cannot readily be achieved through increased and optimized supplies, then pumping allocations may be a helpful management tool. If needed, KDWD will explore options and opportunities for equitable allocation scenarios and engage landowners to develop workable allocations. Adjacent water districts are already developing such programs and KDWD may benefit from lessons learned and strategies incorporated by others. Agricultural demand could also be achieved if needed by growing different crop types, fallowing portions of fields, district purchase and retirement of land (and possibly used for recharge if suitable), and other strategies.

#### **7.4.2 Conversion of Agricultural Lands**

Changes in land use may also result in a decrease in agricultural demand through urbanization. Some land conversion from agriculture to urban is anticipated in Phase One associated with growth projections for Metropolitan Bakersfield. Additional changes in land use to reduce water demand could be developed in Phase Two as needed.

#### **7.4.3 Additional Urban Conservation Measures**

To reduce urban demand, additional conservation measures could be considered by the City and other urban retail water purveyors. Such actions are documented in the UWMPs and strict adherence to permanent reductions in urban demand by 2020 are underway. A decrease in the long-term per capita water use is provided in UWMPs and embedded in the projected water budgets for the KRGSA.

#### **7.4.4 Additional Considerations for Adaptive Management**

It is recognized that demand reduction projects could have a detrimental impact on the local economy, livelihood of residents and business owners, and the well-being of Metropolitan Bakersfield and Kern County. Therefore, large-scale reductions are not proposed in Phase One and may be unnecessary for achieving the sustainability goal. At a minimum, such actions are delayed until later in the implementation period to allow water supply projects the opportunity to sustainably support current and projected growth in the beneficial uses of groundwater.

## 8 PLAN IMPLEMENTATION

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The GSP implementation period begins in 2020 and continues until 2040, when the KRGSA anticipates meeting its sustainability goal. During this period, Phase One projects are scheduled to begin in 2020 and continue as needed. Phase Two projects and actions will be evaluated during the first two Five-year periodic GSP updates and implemented in 2030, as needed.

### 8.1 KRGSA GSP IMPLEMENTATION

#### 8.1.1 Schedule

Implementation of all Phase One projects and management actions is anticipated to begin in the first five years of the 20-year GSP implementation period as indicated on **Table 8-1**. As shown in the table, the five-year period in which the project is first implemented is indicated by light green on **Table 8-1**. Projects or actions that will continue to be modified and adapted over time are considered continuations of the project or action and are shown by the dark green on **Table 8-1**.

Phase Two projects and management actions are contingent on implementation performance during the first half of the Implementation Period (2020 – 2040). In addition to the annual reporting, implementation progress and preliminary results will be documented in two five-year evaluations of the Plan (2025 and 2030). Work to further develop implementation details of the Phase Two projects and actions will proceed as needed during the first half of the period, but implementation of Phase Two is tentatively scheduled for the second half of the implementation period (2030 – 2040). Given that the KRGSA was close to sustainability during the historical Study Period and has already begun to implement Phase One projects to address future projected deficits, there appears to be sufficient time for development of any needed Phase Two projects by 2030.

#### 8.1.2 Costs

Costs for each of the Phase One projects are summarized in Section 7. Ongoing costs for GSP implementation during the first five years will include:

- Annual Reporting
- Five-Year Reporting including an evaluation of GSP progress towards sustainability
- Implementation of Phase One Management Actions
- Participation in the Subbasin-wide activities including development of a DMS
- Groundwater monitoring and analysis
- Compilation of additional groundwater data from other monitoring programs
- Data management and analysis
- Monitoring and documentation of water budget components
- Ongoing coordination and outreach activities in the Subbasin
- Internal management activities for the KRGSA.

Costs for these activities are not yet known but have been estimated by the KRGSA GSP managers to be about \$400,000 to \$500,000 per year and will be shared among the member agencies in a manner similar to the GSP development process. During the first five years of GSP Implementation, KRGSA Plan Managers will assess ongoing GSP costs and consider additional funding strategies, as needed.

## **8.2 ANNUAL REPORTING**

The Subbasin is currently working on a coordinated effort to develop the First Annual Report for Kern County Subbasin GSP compliance, due April 1, 2020. For this effort, GSA managers intend to provide Annual Report information to one party for development of one coordinated Annual Report for the Subbasin. Report will include Subbasin-wide contour maps, and compiled information on GSP implementation activities. Subbasin managers are currently considering options for developing a consistent change in groundwater in storage for the entire Subbasin.

For the KRGSA GSP, annual reports will improve over time as management actions are implemented. Groundwater extractions will be estimated for private unmetered wells until the metering program is fully operational. The detailed checkbook water budget will be updated and streamlined to facilitate effective annual reporting in the future.

## **8.3 PERIODIC EVALUATIONS**

The GSP and monitoring protocols will be evaluated every five years as part of the five-year GSP periodic update. As indicated above, implementation of the Phase One projects and management actions will begin in the first five years. Depending on the complexity of the project or action, implementation will continue into future five-year periods and will be tracked and updated in subsequent five-year periodic evaluations. An evaluation of groundwater conditions and an updated water budget will be used to evaluate then-current progress toward meeting MOs and MTs throughout the KRGSA GSP Plan Area.

**Table 8-1: GSP Implementation Schedule**

*Amended June 2022*

KRGSA GSP Implementation		2020-2025	2026-2030	2031-2035	2036-2039	2040
<b>Phase 1</b>	<b>GSP Projects</b>					
7.1.1	Water Allocation Plan					
7.1.2	Kern River Conjunctive Use Optimization					
7.1.3	Expand Recycled Water Use in KRGSA Plan Area					
7.1.4	Land Use Conversion - Urbanization of Agricultural Lands					
7.1.5	ENCSD North Weedpatch Water System Consolidation					
7.1.6	Possible Water Exchange for Improved Drinking Water Quality in DACs					
<b>Phase 1</b>	<b>Management Actions</b>					
7.2.1	Implement Action Plan if Water Levels Fall Below Minimum Thresholds					
7.2.2	Optimize Conjunctive Use in the KRGSA					
7.2.3	Establish Well Metering Policy in the KRGSA					
7.2.4	Implement Groundwater Extraction Reporting Program					
7.2.5	Support Delta Conveyance Project to Preserve Imported Water Supplies					
7.2.6	Incorporate Climate Change Adaptation Strategies					
7.2.7	Support Sustainable Groundwater Supplies for KRGSA DACs					
7.2.8	Improve Groundwater Monitoring in the KRGSA Plan Area					
7.2.9	Avoid Widespread Impacts to Domestic and Small Water System Wells					
7.2.10	Incorporate a Policy of Adaptive Management in the KRGSA GSP Process					
<b>Phase 2</b>	<b>GSP Projects and Management Actions</b>					
7.3.1	Expansion of the Northeast Treatment Plant to Buildout					
7.3.2	Re-negotiation of Banking Contract					
7.3.3	Capital Improvements to Municipal Wells					
7.3.4	Install Dedicated Monitoring Wells					
7.3.5	Expansion of Recharge Facilities					
7.4.1	Pumping Reductions and Allocation of Agricultural Groundwater					
7.4.2	Conversion of Agricultural Lands					
7.4.3	Additional Urban Conservation Measures					
7.4.4	Additional Considerations for Adaptive Management					

 *Project/Action Implementation Period*  
 *Project/Action Continuation Period*

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## 9 REFERENCES AND TECHNICAL STUDIES

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AECOM, 2019, Amendment to Engineering Report, East Niles Community Services District, North Weedpatch Highway Water System Consolidation Project, April.

AECOM, 2017, Caliente Creek Habitat Mitigation and Groundwater Recharge Feasibility Study, Prepared for Kern County Department of Public Works, <https://kernpublicworks.com/building-and-development/floodplain-management/?fbclid=IwAR32vT23CeikkYBEh4soifbLqdFVTfOvfnRi6ViqBLpSfZ7sDTB2XSp4Mjs>, June.

AECOM, 2015 Kern Delta Water District, Agricultural Water Management Plan, <https://www.kerndelta.org/wp-content/uploads/2019/12/KernDelta-WD-2015-AWMP.pdf>, December.

Bakersfield Californian, 2019, LA's Kern sludge farm to stop receiving free water, by Sam Morgen, July 18, 2019. Also at [https://www.bakersfield.com/news/la-s-kern-county-sludge-farm-to-stop-receiving-free/article\\_2d6aba52-a8ea-11e9-9b9e-1f79a6433c39.html](https://www.bakersfield.com/news/la-s-kern-county-sludge-farm-to-stop-receiving-free/article_2d6aba52-a8ea-11e9-9b9e-1f79a6433c39.html), accessed January 14, 2020.

Bartow, J.A., 1991, The Cenozoic Evolution of the San Joaquin Valley, California, USGS Professional Paper 1501, <https://pubs.er.usgs.gov/publication/pp1501>.

Bartow, J.A., 1984, Geologic Map and Cross Sections of the Southeastern Margin of the San Joaquin Valley, California, IMAP series 1496, 1:25,000. [https://ngmdb.usgs.gov/Prodesc/proddesc\\_22.htm](https://ngmdb.usgs.gov/Prodesc/proddesc_22.htm), accessed January 14, 2020.

Bartow, J.A. and Pittman, G.M., 1983, The Kern River Formation, Southeastern San Joaquin Valley, California, Contributions to Stratigraphy, Geological Survey Bulletin 1529-D. <https://pubs.usgs.gov/bul/1529d/report.pdf>

Berkstresser, C.F. 1973, Base of Fresh Ground Water – Approximately 3,000 Micromhos–in the Sacramento Valley and Sacramento–San Joaquin Delta, California. United States Geological Survey Open File Report WRI 40-73. <https://pubs.er.usgs.gov/publication/wri7340>, accessed January 14, 2020.

Bostic, Darcy, Kristin Dobbin, Rich Pauloo, Jessica Mendoza, Michael Kuo, and Jonathan London, 2020, Sustainable for Whom? The Impact of Groundwater Sustainability Plans on Domestic Wells, UC Davis Center for Regional Change, accessed July 18, 2022, [https://regionalchange.ucdavis.edu/sites/g/files/dgvnsk986/files/inline-files/FullReport\\_GSPanalysisv3%20%281%29.pdf](https://regionalchange.ucdavis.edu/sites/g/files/dgvnsk986/files/inline-files/FullReport_GSPanalysisv3%20%281%29.pdf)

Boyle Engineering Corporation (Boyle), 1975, Engineering Report Setting Forth a Plan of Works for Acquisition of Kern Island Water Company, prepared for Kern Delta Water District, Kern County, California, September.



Burt, C.M., 2016, Estimation of ET for Groundwater Models Using the ITRC-METRIC Process. Presented at 2016 NGWA Groundwater Week, Las Vegas, Nevada, December 6-8, 2016.

<http://www.itrc.org/papers/pdf/METRICgroundwater.pdf>, accessed January 14, 2020.

Burton, C.A., Shelton, J.L., and Belitz, K., 2012, Status and Understanding of Groundwater Quality in the Two Southern San Joaquin Valley Study Units, 2005 – 2006; California GAMA Priority Basin Project, USGS Scientific Investigations Report 2011-5218. <https://pubs.usgs.gov/sir/2011/5218/pdf/sir20115218.pdf>

Brush, C. F., Dogrul, E. C., & Kadir, T. N. (2013). Development and calibration of the California Central Valley Groundwater-Surface Water Simulation Model (C2VSim), version 3.02-CG. Bay-Delta Office, California Department of Water Resources, [https://www.researchgate.net/profile/Charles\\_Brush/publication/258100739\\_Development\\_and\\_Calibration\\_the\\_California\\_Central\\_Valley\\_Groundwater-Surface\\_Water\\_Simulation\\_Model\\_C2VSim\\_Version\\_302-CG/links/0c960526f34447ef8f000000/Development-and-Calibration-the-California-Central-Valley-Groundwater-Surface-Water-Simulation-Model-C2VSim-Version-302-CG.pdf](https://www.researchgate.net/profile/Charles_Brush/publication/258100739_Development_and_Calibration_the_California_Central_Valley_Groundwater-Surface_Water_Simulation_Model_C2VSim_Version_302-CG/links/0c960526f34447ef8f000000/Development-and-Calibration-the-California-Central-Valley-Groundwater-Surface-Water-Simulation-Model-C2VSim-Version-302-CG.pdf), accessed January 15, 2020.

California Data Exchange Center (CDEC), 2018, <http://cdec.water.ca.gov/cgi-progs/iodir/WSIHIST>, accessed January 14, 2020.

California Irrigation Management Information System (CIMIS), Precipitation and Evapotranspiration data, <https://cimis.water.ca.gov/>. Last Accessed: December 1, 2018.

California Regional Water Quality Control Board (RWQCB), Central Valley Region, 2013, Order RS-2013-0153 NPDES No. CA0083399 Waste Discharge Requirements City of Bakersfield and County of Kern Storm Water Discharges from Municipal Separate Storm Sewer System Kern County, December 24. [https://www.waterboards.ca.gov/centralvalley/board\\_decisions/adopted\\_orders/kern/r5-2013-0153.pdf](https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/kern/r5-2013-0153.pdf), accessed January 14, 2020.

California State Water Resources Control Board (SWRCB), 2021, Merced Groundwater Sustainability Plan, Groundwater Subbasin No. 5-022.04, Comment Letter to Craig Altare, Supervising Engineering Geologist, Department of Water Resources, from Natalie Stork, Senior Engineering Geologist, Chief, Groundwater Management Program, Office of Research, Planning, and Performance, August 23, accessed August 25, 2021, <https://sgma.water.ca.gov/portal/gsp/comments/9>.

California State Water Resources Control Board (SWRCB), 2017, Safe Drinking Water Information System, CA Drinking Water Watch, Water System Details, Oildale Mutual Water Company, accessed May 23, [https://sdwis.waterboards.ca.gov/PDWW/JSP/WaterSystemDetail.jsp?tinwsys\\_is\\_number=1747&tinwsys\\_st\\_code=CA&counter=0](https://sdwis.waterboards.ca.gov/PDWW/JSP/WaterSystemDetail.jsp?tinwsys_is_number=1747&tinwsys_st_code=CA&counter=0), accessed January 14, 2020.

California State Water Resources Control Board, (SWRCB), 2016, A Compilation of Water Quality Goals, 17<sup>th</sup> Edition, Report prepared by Jon B. Marshack, D.Env., California Environmental Protection Agency,

[https://www.waterboards.ca.gov/water\\_issues/programs/water\\_quality\\_goals/docs/wq\\_goals\\_text.pdf](https://www.waterboards.ca.gov/water_issues/programs/water_quality_goals/docs/wq_goals_text.pdf)

January.

California State Water Resources Control Board (SWRCB), Runoff Coefficient Fact Sheet, 2013, [https://www.waterboards.ca.gov/water\\_issues/programs/swamp/docs/cwt/guidance/513.pdf](https://www.waterboards.ca.gov/water_issues/programs/swamp/docs/cwt/guidance/513.pdf), accessed January 14, 2020.

California State Water Resources Control Board, (SWRCB), 2006, Adoption of Policy Entitled “Sources of Drinking Water”, Resolution 88-63, as revised by Resolution No. 2006-0008, February.

California Water Service Company (Cal Water), 2016a, 2015 Urban Water Management Plan, Bakersfield District, June.

[https://www.calwater.com/docs/uwmp2015/bk/2015\\_Urban\\_Water\\_Management\\_Plan\\_Final\\_\(BK\).pdf](https://www.calwater.com/docs/uwmp2015/bk/2015_Urban_Water_Management_Plan_Final_(BK).pdf)

California Water Service Company (Cal Water), 2016b, website, accessed May 13, 2016

<https://www.calwater.com/about/district-information/bk/> accessed January 14, 2020.

California Water Service, 2011, 2010 Urban Water Management Plan – Bakersfield District, June.

[https://www.calwater.com/docs/uwmp2010/bk/2010\\_Urban\\_Water\\_Management\\_Plan\\_\(BK\).pdf](https://www.calwater.com/docs/uwmp2010/bk/2010_Urban_Water_Management_Plan_(BK).pdf)

California Water Service, 2017, Consumer Confidence Report – Bakersfield District,

<https://www.calwater.com/waterquality/water-quality-reports/bk/>, Last accessed Jan. 16, 2020.

Carollo Engineers, 2015, 2014 Storm Water Management Plan, City of Bakersfield and County of Kern, October.

[https://www.waterboards.ca.gov/centralvalley/water\\_issues/storm\\_water/municipal\\_permits/2015\\_bk\\_rsfl\\_d\\_swmp.pdf](https://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/municipal_permits/2015_bk_rsfl_d_swmp.pdf), accessed January 14, 2020.

Castle, Robert O.; Church, Jack P.; Yerkes, Robert F., and Manning, John C., 1983, Historical surface deformation near Oildale, California, USGS Professional Paper 1245,

<https://pubs.er.usgs.gov/publication/pp1245>.

City of Bakersfield, 2018, Website: Wastewater Treatment Plants,

[https://bakersfieldcity.us/gov/depts/public\\_works/sewer/wastewater\\_treatment\\_plants.htm](https://bakersfieldcity.us/gov/depts/public_works/sewer/wastewater_treatment_plants.htm), accessed January 14, 2020.

City of Bakersfield, 2016, Kern River 2016 Hydrographic Annual Report, prepared for Colin Pearce.

City of Bakersfield, 2012, Kern River Flow and Municipal Water Program, Draft Environmental Impact Report with Appendices June. (Final Environmental Impact Report, October 2016,

<https://bakersfieldcity.us/civicax/filebank/blobload.aspx?BlobID=30656>).

City of Bakersfield, 2002, Metropolitan Bakersfield General Plan, prepared by: City of Bakersfield, County of Kern, (includes updates in 2016), <http://docs.bakersfieldcity.us/weblink/0/doc/1273241/Page1.aspx>, December.

Cunningham, W.L., and Schalk, C.W., comps., 2011, Groundwater technical procedures of the U.S. Geological Survey: U.S. Geological Survey Techniques and Methods 1–A1, 151 p. <https://pubs.usgs.gov/tm/1a1/>.

Dale, R.H., French, J.J., and Gordon, G.V., 1966, Ground-Water Geology and Hydrology of the Kern River Alluvial-Fan Area, California, USGS Open-File Report 66-21, June 20, <https://pubs.er.usgs.gov/publication/ofr6621>.

Daniel B. Stephens & Associates (DBS&A), 2012, Draft Technical Report on Effects of Kern River Flow and Municipal Water Program on Surface Water Flow and Recharge to Groundwater, Bakersfield, California, prepared for the City of Bakersfield, June 12.

Dee Jaspar & Associates, Inc., 2016a, North of the River Mutual Water Company 2015 Urban Water Management Plan, [https://wuedata.water.ca.gov/public/uwmp\\_attachments/3165647208/FINAL%202015%20NOR%20UWMP%2010%2D10%2D2016%2Epdf](https://wuedata.water.ca.gov/public/uwmp_attachments/3165647208/FINAL%202015%20NOR%20UWMP%2010%2D10%2D2016%2Epdf), June.

Dee Jaspar & Associates, Inc., 2016b, Oildale Mutual Water Company 2015 Urban Water Management Plan, June. <http://www.oildalewater.com/wp-content/uploads/2019/03/FINAL-2015-OMWC-UWMP.pdf>, accessed January 14, 2020.

Dee Jaspar & Associates, Inc., 2016c, Vaughn Water Company 2015 Urban Water Management Plan, June. [https://wuedata.water.ca.gov/public/uwmp\\_attachments/8445401847/VWC%202015%20UWMP%2Epdf](https://wuedata.water.ca.gov/public/uwmp_attachments/8445401847/VWC%202015%20UWMP%2Epdf).

Department of Water Resources, California (DWR), 2022, Incomplete Determination of the 2020 Groundwater Sustainability Plans Submitted for the San Joaquin Valley – Kern County Subbasin, to Patricia Poire, Kern County Subbasin Point of Contact from Paul Gosselin, Deputy Director of Sustainable Groundwater Management, January 28, <https://sgma.water.ca.gov/portal/gsp/assessments/54>

Department of Water Resources, California (DWR), 2021, SGMA Data Viewer, Vertical Displacement Data, SOPAC GPS Stations ARM1 and ARM2, accessed January 22, 2021, <https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer#landsub>.

Department of Water Resources, California (DWR), 2018 and 2019, DWR Water Management Planning Tool, <https://gis.water.ca.gov/app/boundaries/>, accessed January 14, 2020.

Department of Water Resources, California (DWR), 2017, California Aqueduct Subsidence Study. San Luis Field Division, San Joaquin Field Division, June. <https://cawaterlibrary.net/document/california-aqueduct-subsidence-study/>, accessed January 14, 2020.

Department of Water Resources, California (DWR), 2016a, Critically Overdrafted Groundwater Basins, January 2016, downloaded June 30, 2016. <https://water.ca.gov/Programs/Groundwater-Management/Bulletin-118/Critically-Overdrafted-Basins>, accessed January 14, 2020.

Department of Water Resources, California (DWR), 2016b, California Statewide Groundwater Elevation Monitoring (CASGEM) Program, accessed August 4, 2016. <https://water.ca.gov/Programs/Groundwater-Management/Groundwater-Elevation-Monitoring--CASGEM>, accessed January 14, 2020.

Department of Water Resources, California (DWR), 2016c, San Joaquin Valley Groundwater Basin White Wolf Subbasin, Tulare Lake Hydrologic Region, California's Groundwater, Bulletin 118, [https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/B118-Basin-Boundary-Descriptions-2016/B118-Basin-Boundary-Description-2016---5\\_022\\_18.pdf](https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/B118-Basin-Boundary-Descriptions-2016/B118-Basin-Boundary-Description-2016---5_022_18.pdf).

Department of Water Resources, California (DWR), 2006, San Joaquin Valley Groundwater Basin Kern County Subbasin, Tulare Lake Hydrologic Region, California's Groundwater, Bulletin 118, Last update January 20. [https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/2003-B118-Basin-Descriptions/B118\\_2003\\_BasinDescription\\_5\\_022\\_14.pdf](https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/2003-B118-Basin-Descriptions/B118_2003_BasinDescription_5_022_14.pdf), accessed January 14, 2020.

Department of Water Resources, California (DWR), 1970, San Joaquin District, A Memorandum Report on Nitrates in Ground Waters of the San Joaquin Valley, Fresno, CA.

Division of Oil, Gas, and Geothermal Resources (DOGGR), California Department of Conservation, 1998, California Oil & Gas Fields, Volume 1 – Central California, 499 p. [https://www.conservation.ca.gov/calgem/pubs\\_stats/Pages/technical\\_reports.aspx](https://www.conservation.ca.gov/calgem/pubs_stats/Pages/technical_reports.aspx), accessed January 14, 2020.

Erlwine, Terry, 2019, Kern Groundwater Authority, personal communication.

ESA, 2017, Kern River Water Allocation Plan Final Environmental Impact Report, SCH#2011041082, SIR-Supplemental EIR (SEIR) August 1, 2017, prepared for Kern Delta Water District, <https://ceqanet.opr.ca.gov/2011041082/5>, December.

Farr, T. G., Jones, C. E., and Liu, Z, 2016, Progress Report: Subsidence in California, March 2015 – September 2016, report to CA Depart. Water Resources, <https://water.ca.gov/LegacyFiles/waterconditions/docs/2017/JPL%20subsidence%20report%20final%20for%20public%20dec%202016.pdf>.

Faunt, C. and Phillips, S., 2014, Subsidence Simulation & Management, USGS, Presentation to California Groundwater Resources Association (GRA), September.

Faunt, Claudia, 2009, Groundwater availability of the Central Valley Aquifer, California USGS Professional Paper 1766, <https://pubs.usgs.gov/pp/1766/>.

Foss, C.D. and Blaisdell, R., 1968, Stratigraphy of the West Side Southern San Joaquin Valley, San Joaquin Geological Society abstracts. [http://www.sanjoaquingeologicalsociety.org/wp-content/abstracts/1968\\_Foss\\_Blaisdell.pdf](http://www.sanjoaquingeologicalsociety.org/wp-content/abstracts/1968_Foss_Blaisdell.pdf), accessed January 14, 2020.

Gailey, Robert M., Jay R. Lund, and Josue Medellin-Azuara, 2019, Domestic Well Reliability: Evaluating Supply Interruptions from Groundwater Overdraft, Estimating Costs and Managing Economic Externalities, Hydrogeology Journal 27 (4): 1159-82, <https://doi.org/10.1007/s10040-019-01929-w> accessed May 16, 2022.

Galloway, D., Jones, D.R., Ingebritsen, S.E., 1999, Land Subsidence in the United States, U.S. Geological Survey Circular 1182. <https://pubs.er.usgs.gov/publication/cir1182>, accessed January 14, 2020.

Gillespie, J., Kong, D., and Anderson, S.D., 2017, Groundwater Salinity in the Southern San Joaquin Valley, American Association of Petroleum Geologists, (AAPG) Bulletin, v. 101, no. 8, August. <https://pdfs.semanticscholar.org/6ffd/0caa909f54ae50fdd1b36dab0145b3a1ffaa.pdf>, accessed January 14, 2020.

Harner, J.P., Brouk, M.J., Potts, J., Bradford, B.1 and Smith, J. F., 2013, Scientific Data for Developing Water Budgets on a Dairy, <http://wdmc.org/2013/Scientific%20Data%20for%20Developing%20Water%20Budgets%20on%20a%20Dairy.pdf>, March.

Harter, T., et al., 2012, Nitrogen Sources and Loading to Groundwater, Technical Report 2, Assessing Nitrate in California's Drinking Water with a Focus on Tulare Lake Basin and Salinas Valley Groundwater, Report for the State Water Resources Control Board Report to the Legislature, Prepared by: Joshua H. Viers, Daniel Liptzin, Todd S. Rosenstock, Vivian B. Jensen, Allan D. Hollander, Alison McNally, Aaron M. King, Giorgos Kourakos, Elena M. Lopez, Nicole De La Mora, Anna Fryjoff-Hung, Kristin N. Dzurella, Holly Canada, Sara Laybourne, Chiara McKenney, Jeannie Darby, James F. Quinn, Thomas Harter (Corresponding Author), Center for Watershed Sciences, University of California, Davis, July. <https://watershed.ucdavis.edu/doc/addressing-nitrate-californias-drinking-water/data-download-technical-report-2> , Accessed January 14, 2020.

Heath, Ralph C. 1984. Basic Ground-Water Hydrology. U.S. Geological Survey (USGS) Water Supply Paper 2220. Third Printing. USGS in cooperation with the North Carolina Department of Natural Resources and Community Development. [https://pubs.er.usgs.gov/djvu/WSP/wsp\\_2220.pdf](https://pubs.er.usgs.gov/djvu/WSP/wsp_2220.pdf) , accessed January 14, 2020.

Hem, John. 1989. Study and Interpretation of the Chemical Characteristics of Natural Water. Third Edition. United States Geological Survey Water-Supply Paper 2254.

<https://pubs.usgs.gov/wsp/wsp2254/pdf/wsp2254a.pdf>, accessed January 14, 2020.

Howes, D.J., PhD, PE, 2018, 1993-2016 ITRC-METRIC ETc for Kern County, Prepared by Irrigation Training and Research Center, California Polytechnic State University, Prepared for Kern Groundwater Authority, June 2018.

Ireland, R.L., Poland, J.F., and Riley, F.S., 1984, Land Subsidence in the San Joaquin Valley, California as of 1980, Studies of Land Subsidence, Geological Survey Professional Paper 437-I, prepared in cooperation with the California Department of Water Resources. <https://pubs.er.usgs.gov/publication/pp437I>, accessed January 14, 2020.

Jennings, C.W., with modifications by Gutierrez, C., Bryant, W., Saucedo, G., and Wills, C. (Jennings, et al.), 2013, Geologic Map of California, Version 2.0, <file:///T:/Projects/KRGSA%20GSP%2062306%20-%2062307/DATA%20and%20Documents/GEOLOGY/CA%20Geologic%20Survey/Metadata%20for%20the%20Geologic%20Map%20of%20California.html>

Kennedy/Jenks Consultants (K/J), 2011, Tulare Lake Basin Portion of Kern County, Integrated Regional Water Management Plan, Final Update,

[http://www.kernirwmp.com/documents/2011/KCWA\\_FinalUpdate\\_IRWMP\\_112911.pdf](http://www.kernirwmp.com/documents/2011/KCWA_FinalUpdate_IRWMP_112911.pdf), November.

Kern County, 2009, Planning and Natural Resources Department, Interactive Maps, 2009 Land Use, <https://kernplanning.com/general-plan-update/interactive-maps/>.

Kern County Water Agency (KCWA), 2019, Improvement District No. 4 Report on Water Conditions 2018, <http://www.kcwa.com/wp-content/uploads/2019/03/ROWC2018FinalLandscape.pdf>, February.

Kern County Water Agency (KCWA), 2008, Water Supply Report: 2001, Final Adopted, January.

Kern County Water Agency (KCWA), 2005, Water Supply Report 2000, November.

Kern County Water Agency (KCWA), 2003, Water Supply Report 1999, May.

Kern County Water Agency (KCWA), 2002, Water Supply Report 1998, March.

Kern County Water Agency (KCWA), 2001, Initial Water Management Plan, Final Adopted, October 25.

Kern County Public Health Services Department, Environmental Health Services (EHS) Division, Standards and Rules and Regulations for Land Development: Sewage Disposal, Water Supply, and Preservation of Environmental Health, October 2010. <https://kernpublichealth.com/wp-content/uploads/2016/03/Standards-and-Rules-and-Regulations-for-Land-Development.pdf>, accessed January 14, 2020.

Kern Fan Monitoring Committee (KFMC), 2018, 2011 – 2016 Kern Fan Area Operations and Monitoring Report, January.

Kern Fan Monitoring Committee (KFMC), 2011, 2<sup>nd</sup> Draft 2005-2006 Kern Fan Area Operations and Monitoring Report, October.

Kern Groundwater Authority, 2019, Kern Subbasin Groundwater Sustainability Plan, Dec.  
<http://www.kerngwa.com/resources---outreach.html> Last Accessed January 16, 2020.

Kern Groundwater Authority, 2018, Kern Subbasin Undesirable Results Definitions, Dec.  
<http://www.kerngwa.com/assets/undesirable-results-draft-12-14-2018.pdf>

Lamont Public Utility District (LPUD), 2016, 2015 Urban Water Management Plan,  
[https://wuedata.water.ca.gov/public/uwmp\\_attachments/8968861222/LPUD%202015%20UWMP%20%28FINAL%29.pdf](https://wuedata.water.ca.gov/public/uwmp_attachments/8968861222/LPUD%202015%20UWMP%20%28FINAL%29.pdf), June.

Lees, Matthew, Knight, Rosemary, and Smith, Ryan, 2022, Development and Application of a 1D Compaction model to Understand 65 Years of Subsidence in the San Joaquin Valley, Water Resources Research, 58, e2021W031390, May, <https://doi.org/10.1029/2021WR031390>, accessed June 17, 2022.

Luhdorff & Scalmanini Consulting Engineers (LSCE), 2014, Land Subsidence from Groundwater Use in California, with James W. Borchers and Michael Carpenter, with support by California Water Foundation, April,  
[https://water.ca.gov/LegacyFiles/waterplan/docs/cwpu2013/Final/vol4/groundwater/13Land\\_Subsidence\\_Groundwater\\_Use.pdf](https://water.ca.gov/LegacyFiles/waterplan/docs/cwpu2013/Final/vol4/groundwater/13Land_Subsidence_Groundwater_Use.pdf).

Moran, Tara and Belin, Alletta, 2019, A Guide to Water Quality Requirements under the Sustainable Groundwater Management Act, Stanford, Water in the West, Spring.  
<https://stacks.stanford.edu/file/druid:dw122nb4780/A%20Guide%20to%20Water%20Quality%20Requirements%20under%20SGMA.pdf>, accessed January 14, 2020.

MKN & Associates, 2016, East Niles Community Services District 2015 Urban Water Management Plan, June. <http://www.eastnilescsd.org/information/doc/ENCSD%202015%20UWMP.pdf>, accessed January 14, 2020.

National Oceanic and Atmospheric Administration (NOAA), 2019, National Climatic Data Center (NCDC), Bakersfield Monthly Precipitation, 1889-2010 and 2011-2018 data downloads, accessed March 2018 and February 2019. <https://www.ncdc.noaa.gov/cdo-web/>, accessed March 2018 and February 2019.

Natural Resources Conservation Service (NRCS), 2018, SSURGO soil survey on-line map database available at <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>, last accessed December 2018.

O'Bryan, P.L., 1992, A Study of the Base of Fresh Water in the Southern San Joaquin Basin, California, Society of Petroleum Engineers, Inc.

Office of Environmental Health Hazard Assessment (OEHHA), California Environmental Protection Agency, 2009, Final Public Health Goal for 1,2,3-Trichloropropane in Drinking Water, August 20, <https://oehha.ca.gov/water/public-health-goal/final-public-health-goal-123-trichloropropane-drinking-water>, accessed January 14, 2020.

Page, R. W., 1973, *Base of fresh ground water (approximately 3,000 micromhos) in the San Joaquin Valley, California* (No. 489). <https://pubs.er.usgs.gov/publication/ha489>.

Page, R.W., 1986, *Geology of the fresh ground-water basin of the Central Valley, California: with texture maps and sections* (No. 1401). US Government Printing Office. <https://pubs.er.usgs.gov/publication/pp1401C>.

Prokopovich, Nikola, Predictions of Future Subsidence Along Friant-Kern Canal in California, *Environmental and Engineering Geoscience* (1984) xxi (2): 215–228, <https://pubs.geoscienceworld.org/aeg/eeg/article-abstract/xxi/2/215/137214/Predictions-of-Future-Subsidence-Along-Friant-Kern?redirectedFrom=fulltext>, May.

Provost & Pritchard Consulting Group (P&P), 2016, Kern County Water Agency – Improvement District No. 4 (ID4), Urban Water Management Plan 2015 Update, Kern County, CA, [https://wuedata.water.ca.gov/public/uwmp\\_attachments/1554639518/ID4%202015%20UWMP%20-%20Final%20to%20DWR.pdf](https://wuedata.water.ca.gov/public/uwmp_attachments/1554639518/ID4%202015%20UWMP%20-%20Final%20to%20DWR.pdf), June.

Provost & Pritchard Consulting Group (P&P, et al.), Land IQ, and Todd Groundwater, 2015, Groundwater Quality Assessment Report, Kern County, California, prepared for Kern River Watershed Coalition Authority, [http://www.krwca.org/files/Reports/2015-0204\\_KRWCA%20GAR%20Final%20Submitted.pdf](http://www.krwca.org/files/Reports/2015-0204_KRWCA%20GAR%20Final%20Submitted.pdf), February.

QUAD Consultants, 1985, Draft Environmental Impact Report, Kern River Channel Maintenance Program, SCH. #85062409, submitted to the City of Bakersfield, October.

Quad Knopf, 2016, Arsenic Mitigation Project, Preliminary Design Report, Greenfield County Water District, March.

Robbins, Jason, 2014, Thesis CSU Bakersfield - Provenance study of the Kern River Formation, within the Kern River Oilfield, Using Detrital Zircon Geochronology, [https://www.csub.edu/library/thesis/robbins\\_j\\_geo\\_sp14.pdf](https://www.csub.edu/library/thesis/robbins_j_geo_sp14.pdf)

Ruiz, Timothy P., PE, 2019, General Manager, East Niles Community Services District, personal communication, July 31.

Scripps Orbit and Permanent Array Center / California Spatial Reference Center (SOPAC/CSRC), 2019, website <http://sopac-csrc.ucsd.edu/>, last accessed January 16, 2020.



Shelton, Jennifer, L. Isabel Pimentel, Miranda S. Fram, and Kenneth Belitz, 2008, Ground-Water Quality Data in the Kern County Subbasin Study Unit, 2006—Results from the California GAMA Program, U.S. Geological Survey in cooperation with the California State Water Resources Control Board, Data Series 337U. <https://pubs.usgs.gov/ds/337/> , accessed January 14, 2020.

Smith, A.R., 1964, Geologic Map of California, Bakersfield Sheet, compiled 1964, State of California, Department of Conservation, Division of Mines and Geology, re-printed in 1975, [https://ngmdb.usgs.gov/Prodesc/proddesc\\_477.htm](https://ngmdb.usgs.gov/Prodesc/proddesc_477.htm).

Stetson Engineers, Inc., 2017, Final Draft City of Bakersfield 2015 Urban Water Management Plan, June. <http://docs.bakersfieldcity.us/weblink/0/edoc/1336682/2015%20Urban%20Water%20Management%20Plan.pdf> , accessed January 14, 2020.

Swartz, R. J., Thyne, G.D., and Gillespie, J.M., 1996, Dissolved Arsenic in the Kern Fan, San Joaquin Valley, California: Naturally Occurring or Anthropogenic?, Environmental Geosciences, v. 3, n. 3, pp 143-153. [https://www.academia.edu/27247368/Dissolved\\_Arsenic\\_in\\_the\\_Kern\\_Fan\\_San\\_Joaquin\\_Valley\\_California\\_Naturally\\_Occurring\\_or\\_Anthropogenic](https://www.academia.edu/27247368/Dissolved_Arsenic_in_the_Kern_Fan_San_Joaquin_Valley_California_Naturally_Occurring_or_Anthropogenic)

SWRCB References, see *California State Water Resources Control Board citations above*.

The Nature Conservancy (TNC), 2018, Groundwater Dependent Ecosystems under the Sustainable Groundwater Management Act, Guidance for preparing Groundwater Sustainability Plans, January. <https://www.scienceforconservation.org/assets/downloads/GDEsUnderSGMA.pdf>, accessed January 14, 2020.

Todd Engineers, 2011, Kern Delta Water District Water Allocation Plan.

Todd Engineers, 2013, Final Groundwater Management Plan, Kern Delta Water District, [https://water.ca.gov/LegacyFiles/groundwater/docs/GWMP/TL-11\\_KernDeltaWD\\_GWMP\\_2013.pdf](https://water.ca.gov/LegacyFiles/groundwater/docs/GWMP/TL-11_KernDeltaWD_GWMP_2013.pdf), October 11.

Todd Groundwater, 2018, Kern Fan Model Final Report for Kern Fan Monitoring Committee, February.

Todd, D. K. and Mays, L.M. 2005. Groundwater Hydrology. Third Edition. John Wiley & Sons.

University of California, Davis, 1982. Lake evaporation factor for CIMIS. <https://cimis.water.ca.gov/>, accessed January 14, 2020.

U.S. Army Corp of Engineers (USACE), 2012, Isabella Lake Dam Safety Modification Project Environmental Impact Statement, October. [https://www.spk.usace.army.mil/Portals/12/documents/usace\\_project\\_public\\_notices/Isabella%20Lake%20Dam%20Safety%20Modification%20Project%20Final%20EIS.pdf](https://www.spk.usace.army.mil/Portals/12/documents/usace_project_public_notices/Isabella%20Lake%20Dam%20Safety%20Modification%20Project%20Final%20EIS.pdf).

U.S. Geological Survey (USGS), 2013, Water Science Glossary of Terms (Saline water). [https://www.usgs.gov/special-topic/water-science-school/science/dictionary-water-terms?qt-science\\_center\\_objects=0#S](https://www.usgs.gov/special-topic/water-science-school/science/dictionary-water-terms?qt-science_center_objects=0#S) , accessed January 14, 2020.

U.S. Geological Survey (USGS) and the California State Water Resources Control Board (SWRCB), 2012, Groundwater Quality in the Kern County Subbasin, California, USGS Fact Sheet 2011-3150, June. <https://pubs.usgs.gov/fs/2011/3150/> Accessed January 14, 2020.

U.S. Environmental Protection Agency (USEPA), 2018, Aquifer Exemptions, <https://www.epa.gov/uic/aquifer-exemption-data>, accessed January 14, 2020.

Vasco, D. W., 2022, Draft Rate of Subsidence in the Kern County Subbasin, Lawrence Berkeley National Laboratory, Energy Geosciences Division, Building 74, Berkeley, CA 94720, original document in First Amended Kern County Subbasin Coordination Agreement, submitted separately on the SGMA Portal.

Viers, J.H., Liptzin, D., Rosenstock, T.S., Jensen, V.B., Hollander, A.D., McNally, A., King, A.M., Kourakos, G., Lopez, E.M., De La Mora, N., Fryjoff-Hung, A., Dzurella, K.N., Canada, H.E., Laybourne, S., McKenney, C., Darby, J., Quinn, J.F. & Harter, T., 2012, Nitrogen Sources and Loading to Groundwater. Technical Report 2 in: Addressing Nitrate in California’s Drinking Water with a Focus on Tulare Lake Basin and Salinas Valley Groundwater. Report for the State Water Resources Control Board Report to the Legislature. Center for Watershed Sciences, University of California, Davis, July. <https://watershed.ucdavis.edu/doc/addressing-nitrate-californias-drinking-water/data-download-technical-report-2> , Accessed January 14, 2020.

Western Regional Climate Center (WRCC), Desert Research Institute (DRI), Bakersfield Airport precipitation, <https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca0442>, accessed January 14, 2020.

Wood, P.R. and Dale, R.H., 1964, Geology and Ground-Water Features of the Edison-Maricopa Area, Kern County, California, USGS Water-Supply Paper 1656, <https://pubs.usgs.gov/wsp/1656/report.pdf>.



KERN RIVER GROUNDWATER SUSTAINABILITY AGENCY

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## Final Appendices

# Amended Groundwater Sustainability Plan (GSP)

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## Kern River Groundwater Sustainability Agency (KRGSA)

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July 2022



TODD   
GROUNDWATER



## Appendices

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APPENDIX A:	Notice of Decision to Become a Groundwater Sustainability Agency
APPENDIX B:	Notice of Intent to Prepare a Groundwater Sustainability Plan
APPENDIX C:	Memorandum of Understanding with Greenfield County Water District; Memorandum of Understanding with Kern County
APPENDIX D:	First Amended Kern County Subbasin Coordination Agreement (submitted separately on the SGMA Portal)
APPENDIX E:	GSP Preparation Checklist
APPENDIX F:	KRGSA Communication and Engagement Plan
APPENDIX G:	Annual Spring Groundwater Elevation Contour Maps, KCWA
APPENDIX H:	C2VSimFG-Kern Model Results, KRGSA Projected Water Budget with Projects and Superposition Hydrographs, KRGSA Plan Area
APPENDIX I:	Groundwater Technical Procedures and Monitoring Protocols
APPENDIX J:	Monitoring Network Hydrographs with Sustainable Management Criteria
APPENDIX K:	Revised KRGSA and Plan Area Boundaries

## Attachments

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Attachment 1:	SGMA Water Budget Development using C2VSimFG-Kern in support of the Kern County Subbasin Groundwater Sustainability Plans (GSPs)
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# **APPENDIX A**

## **Notice of Decision to Become a Groundwater Sustainability Agency**



## **Kern River Groundwater Sustainability Agency**

April 12, 2016

Mark Nordberg, GSA Project Manager  
Sustainable Groundwater Management Section  
California Department of Water Resources  
P.O. Box 942836  
Sacramento, California 94236-0001

Re: Notice of Decision to Become a Groundwater Sustainability Agency

Dear Mr. Nordberg,

Per Section 10723.8(a) of the California Water Code, the City of Bakersfield, the Kern Delta Water District, and the Kern County Water Agency Improvement District No.4 hereby give notice of their decision to form the Kern River Groundwater Sustainability Agency (GSA) for a portion of the Kern County Subbasin (Basin Number 5-22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin.

The Sustainable Groundwater Management Act (SGMA), passed in 2014, requires that all basins designated as high- or medium-priority basins that are subject to critical overdraft conditions are to be managed under a groundwater sustainability plan (GSP) or coordinated GSPs (Section 10720.7). The Kern County Subbasin is a high-priority basin and is identified as having critical overdraft conditions. Information regarding the status of groundwater basins is provided by the California Department of Water Resources (DWR) at:  
<http://www.water.ca.gov/groundwater/sgm/cod.cfm>.

This GSA notification and supporting materials are submitted to DWR within 30 days of the decision to form the GSA by its member agencies per Water Code §10723.8(a).

Water Code §10723.8(a)(1) requires that this GSA notification include information regarding the service area boundaries of the GSA and the boundaries of the basin the GSA intends to manage. Exhibit 1 includes three maps to satisfy the requirements of Water Code §10723.8(a)(1). Map (A) shows the Kern River GSA boundary. Map (B) shows the Kern River GSA boundary within the Kern County Subbasin. Map (C) shows the boundaries of the service areas of the agencies that comprise the Kern River GSA. The digital GIS data corresponding to the GSA boundary maps shown in Exhibit 1 are included with this submittal and provided on compact disc.

Water Code §10723.8(a)(1) also requires information regarding other agencies managing or proposing to manage groundwater within the basin. At the time of this Kern River GSA Notification submittal to DWR, it is our understanding that the Buena Vista Water Storage District has submitted a Notification to Form a GSA with DWR for a portion of the Kern County Subbasin. Within the Kern County subbasin, we understand that other agencies may be considering or proposing to form GSAs to manage groundwater resources in their own services areas. To our knowledge at this time, the following entities have held either a public hearing or expressed interest in forming a GSA: the Kern Groundwater Authority (KGA) and the Olcese Water District. We understand that the Greenfield County Water District has held a public hearing, passed a resolution to form a GSA, and will be submitting their Notification to Form a GSA with DWR.

On March 1, 2016 the governing Board of the Kern Delta Water District held a public hearing (Water Code §10723.b) regarding formation of the Kern River GSA. On March 15, 2016 the Board passed Resolution 2016-03 wherein the District resolved to become a GSA in cooperation with the City of Bakersfield and Improvement District No.4 of the Kern County Water Agency for the portion of the Kern County Subbasin as shown in Exhibit 1. Exhibit 2 contains a copy of the approved resolution to form the Kern River GSA by the governing Board of the Kern Delta Water District. Exhibit 3 includes details regarding the public noticing of the March 1, 2016 hearing by the Kern Delta Water District. The noticing process was consistent with the requirements of Section 6066 of the California Government Code.

On March 2, 2016 the City Council of Bakersfield held a public hearing (Water Code §10723.b) regarding formation of the Kern River GSA. On March 30, 2016 the City Council passed Resolution 039-16 wherein the City resolved to become a GSA in cooperation with the Kern Delta Water District and Improvement District No.4 of the Kern County Water Agency for the portion of the Kern County Subbasin as shown in Exhibit 1. A copy of Resolution 039-16 is included in Exhibit 2. Details regarding the public noticing of the March 2, 2016 hearing by the City Council are provided in Exhibit 3 and are consistent with the requirements of Section 6066 of the California Government Code.

On March 31, 2016 the Board of Directors of the Kern County Water Agency on behalf of Improvement District No.4 held a public hearing (Water Code §10723.b) regarding formation of the Kern River GSA. On March 31, 2016 the Board of Directors passed Resolution 11-16 wherein the Kern County Water Agency, Improvement District No.4 resolved to become a GSA in cooperation with the Kern Delta Water District and the City of Bakersfield for the portion of the Kern County Subbasin as shown in Exhibit 1. A copy of Resolution 11-16 is included in Exhibit 2. Details regarding the public noticing of the March 31, 2016 hearing by the Board of Directors are provided in Exhibit 3 and are consistent with the requirements of Section 6066 of the California Government Code.

Exhibit 4 provides a memorandum of understanding (MOU) between the Kern Delta Water District, City of Bakersfield, and Kern County Water Agency Improvement District No.4 to form the Kern River GSA and manage groundwater resources sustainably within the GSA boundary. Please note that Exhibit C-1 to the MOU in Exhibit 4 contains a list of additional agencies that have joined the Kern River GSA. Exhibit 5 includes additional supporting documents related to these additional agencies that have joined the Kern River GSA.

Per California Water Code §10723.2, GSAs shall consider the interests of all beneficial uses and users of groundwater within their service area, as well as those responsible for implementing Groundwater Sustainability Plans (GSPs). Exhibit 6 lists interested parties developed pursuant to Water Code §10723.2 and describes how these users and uses will be considered during the development and operation of the Kern River GSA and implementation of the GSP for the Kern River GSA. If additional interested parties are discovered, they too will be included in the development and operation of the GSA and the development and implementation of the agency's sustainability plan (Water Code 10723.8(a)(4)).

Water Code §10723.4 states that a GSA shall also establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements, and availability of draft plans, maps, and other relevant documents. Any person may request, in writing, to be placed on the list of interested persons. The Kern River GSA will establish and maintain such a list of persons interested in receiving notices.

Except for the authorities granted to a GSA pursuant to Part 2.74 of Division 6 of the California Water Code (SGMA), no new bylaws, ordinances, or authorities have been adopted by the District or City at this time of forming the Kern River GSA (Water Code §10723.8(a)(3)).

The undersigned hereby represents that the information required by California Water Code §10728.3 is included within this notice and that the notification process is complete.



If you have any further questions or require any clarification regarding the information provided in this GSA Notification submittal, please do not hesitate to contact one of our GSA program coordinators as identified on the following page.

Thank you,



Rodney Palla

President, Board of Directors, Kern Delta Water District



Harold Hanson

Vice Mayor, City of Bakersfield



Ted Page

President, Board of Directors, Kern County Water Agency

#### **GSA Program Coordinators**

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#### **Exhibits:**

- Exhibit 1: GSA Maps – including (A) map of Kern River GSA boundary, (B) map of Kern River GSA boundary within Kern County Subbasin, and (C) map of Kern River GSA showing member agencies service area boundaries
- Exhibit 2: GSA Forming Resolutions by Kern Delta Water District, City of Bakersfield, and Improvement District No. 4 of the Kern County Water Agency
- Exhibit 3: Public Hearing Noticing Information for GSA Member Agencies
- Exhibit 4: Memorandum of Understanding (MOU) Between the City of Bakersfield, Kern Delta Water District, and Improvement District No.4 of the Kern County Water Agency
- Exhibit 5: Supporting Documents for Entities Also Joining the Kern River GSA
- Exhibit 6: List of Interested Parties
- Exhibit 7: List and Map of Disadvantaged Communities (DAC) in GSA

**EXHIBIT 1**

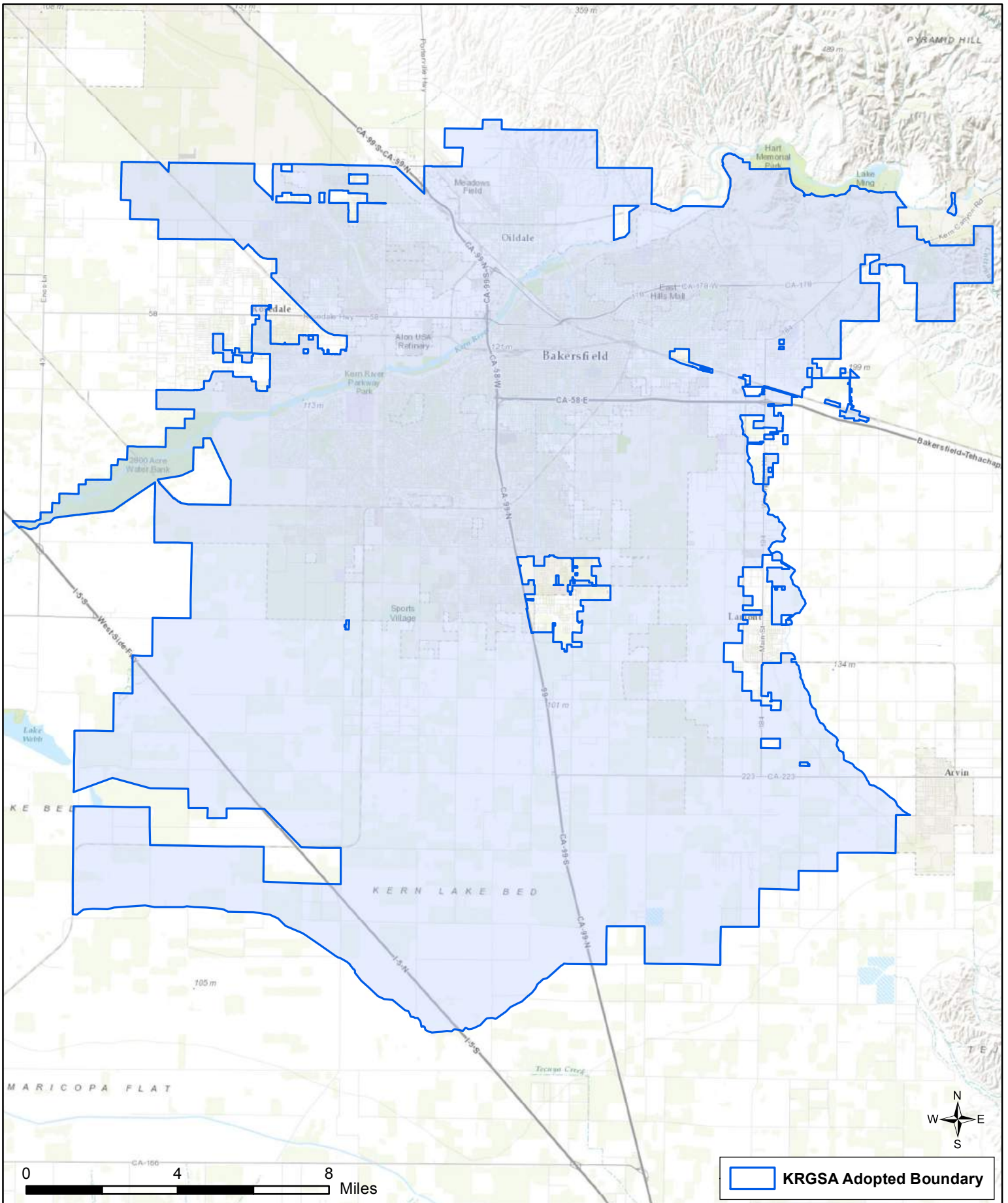
**GSA MAPS**

**INCLUDING:**

- (A) MAP OF KERN RIVER GSA BOUNDARY**
- (B) MAP OF KERN RIVER GSA BOUNDARY WITHIN KERN COUNTY SUBBASIN**
- (C) MAP OF KERN RIVER GSA SHOWING MEMBER AGENCIES SERVICE AREA BOUNDARIES**

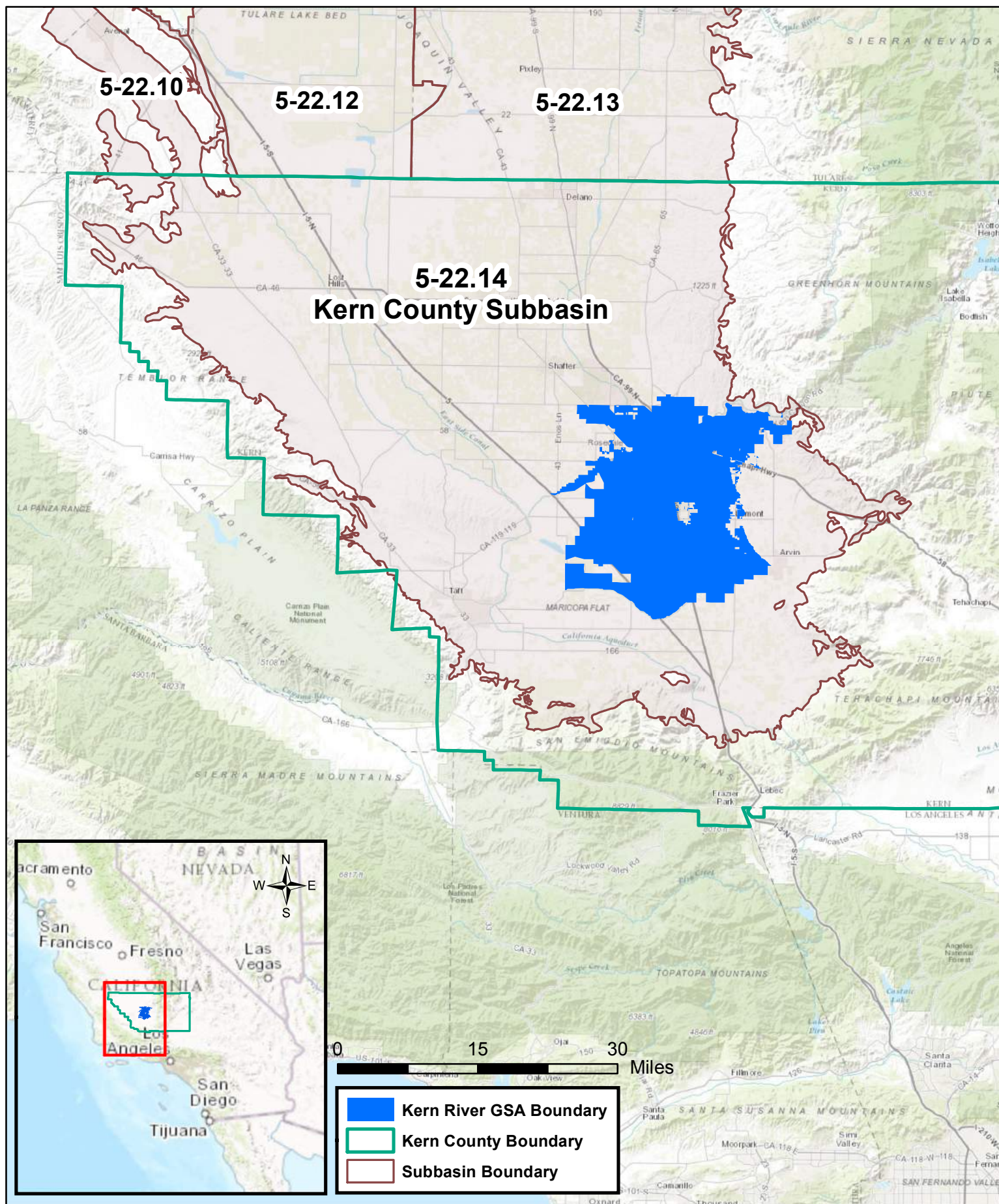
# Kern River Groundwater Sustainability Agency (GSA)

Adopted Boundary as of March 31, 2016



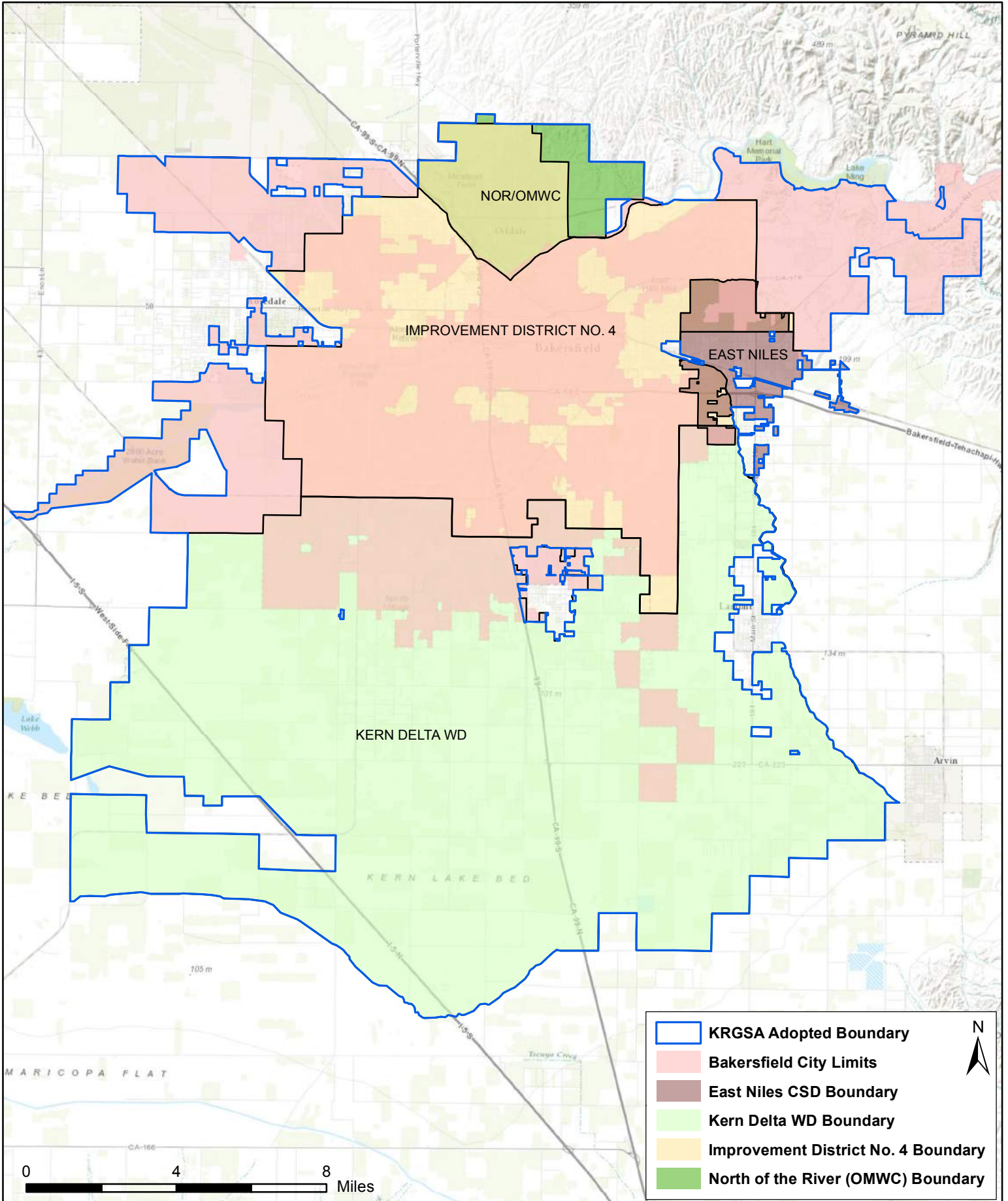
# Kern River Groundwater Sustainability Agency (GSA)

Adopted GSA Boundary Within Subbasin 5-22.14 of the Tulare Lake Hydrologic Region



# Kern River Groundwater Sustainability Agency (GSA)

## Adopted Boundary with Service Areas



**EXHIBIT 2**

**RESOLUTIONS**

**INCLUDING:**

- (A) RESOLUTION FORMING GSA, APPROVED BY BOARD OF DIRECTORS OF THE KERN DELTA  
WATER DISTRICT, MARCH 15, 2016**
  
- (B) RESOLUTION FORMING GSA, APPROVED BY CITY COUNCIL OF THE CITY OF BAKERSFIELD,  
MARCH 30, 2016**
  
- (C) RESOLUTION FORMING GSA, APPROVED BY BOARD OF DIRECTORS IMPROVEMENT DISTRICT  
NO.4 OF THE KERN COUNTY WATER AGENCY, MARCH 31, 2016**

**BEFORE THE BOARD OF DIRECTORS OF  
THE KERN DELTA WATER DISTRICT**

**RESOLUTION NO. 2016-03**

**IN THE MATTER OF:**

**KERN DELTA WATER DISTRICT DECISION TO BECOME A GROUNDWATER  
SUSTAINABILITY AGENCY PURSUANT TO THE SUSTAINABLE GROUNDWATER  
MANAGEMENT ACT**

**WHEREAS**, the California legislature passed a statewide framework for sustainable groundwater management, known as the Sustainable Groundwater Management Act (California Water Code § 10720 et seq.) pursuant to Senate Bill 1168, Senate Bill 1319, and Assembly Bill 1739, which was approved by the Governor and Chaptered by the Secretary of State on September 16, 2014; and

**WHEREAS**, pursuant to the Sustainable Groundwater Management Act, sustainable groundwater management is intended to occur pursuant to Groundwater Sustainability Plans that are created and adopted by Groundwater Sustainability Agencies; and

**WHEREAS**, pursuant to California Water Code §10723(a), a Local Agency or combination of Local Agencies, as defined in California Water Code §10721(n), may decide to become or form a Groundwater Sustainability Agency; and

**WHEREAS**, Kern Delta Water District (“District”) is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code (commencing with Water Code §34000) and overlies a portion of the Kern County Subbasin of the San Joaquin Valley Groundwater Basin portion of the Tulare Lake Hydrologic Region, as defined in Bulletin 118 of the California Department of Water Resources and is therefore a “Local Agency” as defined within California Water Code 10721 (n); and

**WHEREAS**, the City of Bakersfield (City) is a local public agency that manages water, has a water supply, and has land use responsibilities, and is therefore a “Local Agency” as defined within California Water Code 10721 (n); and

**WHEREAS**, the District desires to form a Groundwater Sustainability Agency which may include the City of Bakersfield and other Local Agencies, and which may also include the participation of certain water corporations regulated by the Public Utilities Commission and mutual water companies, as authorized pursuant to Water Code 10723.6 (b); and

**WHEREAS**, the District held a public hearing on Tuesday March 1, 2016 pursuant to California Water Code section §10723(b), after publication of notice of such hearing pursuant to California Government Code section §6066; and

**WHEREAS**, at the public hearing, the Kern Delta Water District Board of Directors considered oral and written comments to the extent provided by the public; and

**WHEREAS**, it would be in the best interests of the District to form a Groundwater Sustainability Agency, which may include the City of Bakersfield and other Local Agencies and which may include the participation of various legally authorized entities.

**NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:**

1. That the foregoing is true and correct.
2. That Kern Delta Water District herein decides to form a Groundwater Sustainability Agency which may include the City of Bakersfield and other local agencies, and which may include the participation of legally authorized entities, and which shall have all the powers granted to a groundwater sustainability agency pursuant to the Sustainable Groundwater Management Act.
3. That the portion of the groundwater basin that the herein formed Groundwater Sustainability Agency shall manage shall be that portion of the basin as depicted in the notification provided to the Department of Water Resources pursuant to California Water Code 10723.8, and which boundary may be modified from time to time.
4. That the groundwater sustainability agency hereby created shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans, as required by California Water Code section §10723.2.
5. That the groundwater sustainability agency hereby created shall establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements, and availability of draft plans, maps, and other relevant documents, as required by California Water Code section §10723.4.
6. That the General Manager of Kern Delta Water District shall be authorized to execute a memorandum of agreement or other legal agreement(s) with other local agencies and legally authorized entities pursuant to Water Code §10723.6(a), as deemed appropriate by the General Manager, and cause notice to be given to the California Department of Water Resources of the decision of Kern Delta Water District to create the above referenced Groundwater Sustainability Agency.



ALL THE FOREGOING being on the motion of Director Frick, seconded by Director Tillema and authorized by the following vote, namely:

AYES: Antongiovanni, Bidart, Collins, Frick, Garone, Kaiser, Palla, Tillema

NOES: None


ABSENT: None

ABSTAIN: None

I HEREBY CERTIFY that the foregoing resolution is the resolution of the Kern Delta Water District as duly passed and adopted by its Board of Directors at a legally convened meeting held on the 15<sup>th</sup> day of March, 2016.

  
\_\_\_\_\_  
Rodney Palla  
Board President of Directors  
KERN DELTA WATER DISTRICT

ATTESTED:

  
\_\_\_\_\_  
L. Mark Mulkay  
Assistant Secretary of the Board of Directors  
KERN DELTA WATER DISTRICT

**RESOLUTION NO. 039-16**

**A RESOLUTION OF THE COUNCIL OF THE CITY OF  
BAKERSFIELD TO BECOME A GROUNDWATER  
SUSTAINABILITY AGENCY PURSUANT TO THE SUSTAINABLE  
GROUNDWATER MANAGEMENT ACT.**

**WHEREAS**, on September 16, 2014, the Sustainable Groundwater Management Act (SGMA) was signed into law by the Governor to provide for sustainable management of groundwater by providing local groundwater agencies with the authority to sustainably manage groundwater through the adoption of Groundwater Sustainability Plans; and

**WHEREAS**, Water Code Section 10723(a) authorizes local land use authorities, water suppliers, and certain other local agencies, or a combination of local agencies, overlying a groundwater basin to elect to become a Groundwater Sustainability Agency (GSA) for the basin; and

**WHEREAS**, the City of Bakersfield (City) is a local agency qualified to become a GSA because City manages water, has water supply, and has land use responsibilities over a portion of the Kern County Subbasin (Basin Number 5-22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin, a DWR-designated high-priority basin; and

**WHEREAS**, Kern Delta Water District ("Kern Delta") is also a local agency qualified to become a GSA because Kern Delta is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code and overlies a portion of the Kern County Subbasin just south of City; and

**WHEREAS**, Improvement District No. 4 ("ID4") is also a local agency qualified to become a GSA and overlies a portion of the Kern County Subbasin; and

**WHEREAS**, City held a public hearing on March 2, 2016, after publication of notice pursuant to Government Code Section 6066 to consider adoption of this Resolution; and

**WHEREAS**, City, Kern Delta, and ID4 will work collaboratively with other interested entities to form a GSA known as the Kern River Ground Water Sustainability Agency, which will cover the portion of the Kern County Subbasin as shown on the map included in **Exhibit "A"** attached hereto and incorporated herein; and

**WHEREAS**, adoption of this Resolution does not constitute a "Project" under the California Environmental Quality Act (CEQA) pursuant to 15060(c)(3) and 15378(b)(5) of the State CEQA Guidelines because it is an administrative action that does not result in any direct or indirect physical change in the environment.

**NOW THEREFORE, BE IT RESOLVED** by the Council of the City of Bakersfield as follows:

1. The above recitals and findings are true and correct.
2. That City of Bakersfield does hereby elect in concert with Kern Delta Water District and Improvement District No. 4 to become a Groundwater Sustainability Agency known as the Kern River Groundwater Sustainability Agency to cover the portion of DWR Basin No. 5-22.14 as shown on **Exhibit "A"** attached to this Resolution.
3. That City of Bakersfield, Kern Delta Water District and Improvement District No. 4 will work to develop the governing structure of the Kern River Groundwater Sustainability Agency, which may involve other entities in addition to the City of Bakersfield and Kern Delta Water District.
4. That the Kern River Groundwater Sustainability Agency hereby created shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans, as required by California Water Code Section 10723.2
5. That the Kern River Groundwater Sustainability Agency hereby created shall establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements, and availability of draft plans, maps, and other relevant documents, as required by California Water Code Section 10723.4.

- 6. That City of Bakersfield, Kern Delta Water District, and Improvement District No. 4 will jointly submit a notice of their decision to form the Kern River Groundwater Sustainability Agency for a portion of the Kern County Subbasin (Basin Number 5-22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin to DWR.

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I **HEREBY CERTIFY** that the foregoing Resolution was passed and adopted by the Council of the City of Bakersfield at a regular meeting thereof held on MAR 3 9 2016, by the following vote:

<u>YES:</u>	COUNCIL MEMBER RIVERA, MAXWELL, WEIR, SMITH, HANSON, SULLIVAN, PARLIER	✓ ✓ ✓ ✓ ✓ ✓ ✓
NOES:	COUNCIL MEMBER	<u>None</u>
ABSTAIN:	COUNCIL MEMBER	<u>None</u>
ABSENT:	COUNCIL MEMBER	<u>None</u>

Roberta Gafford  
**ROBERTA GAFFORD, CMC**  
 CITY CLERK and Ex Officio Clerk of  
 the Council of the City of Bakersfield

APPROVED MAR 3 9 2016

By [Signature]  
**HARVEY L. HALL**  
 Mayor

APPROVED AS TO FORM:  
**VIRGINIA GENNARO**  
City Attorney

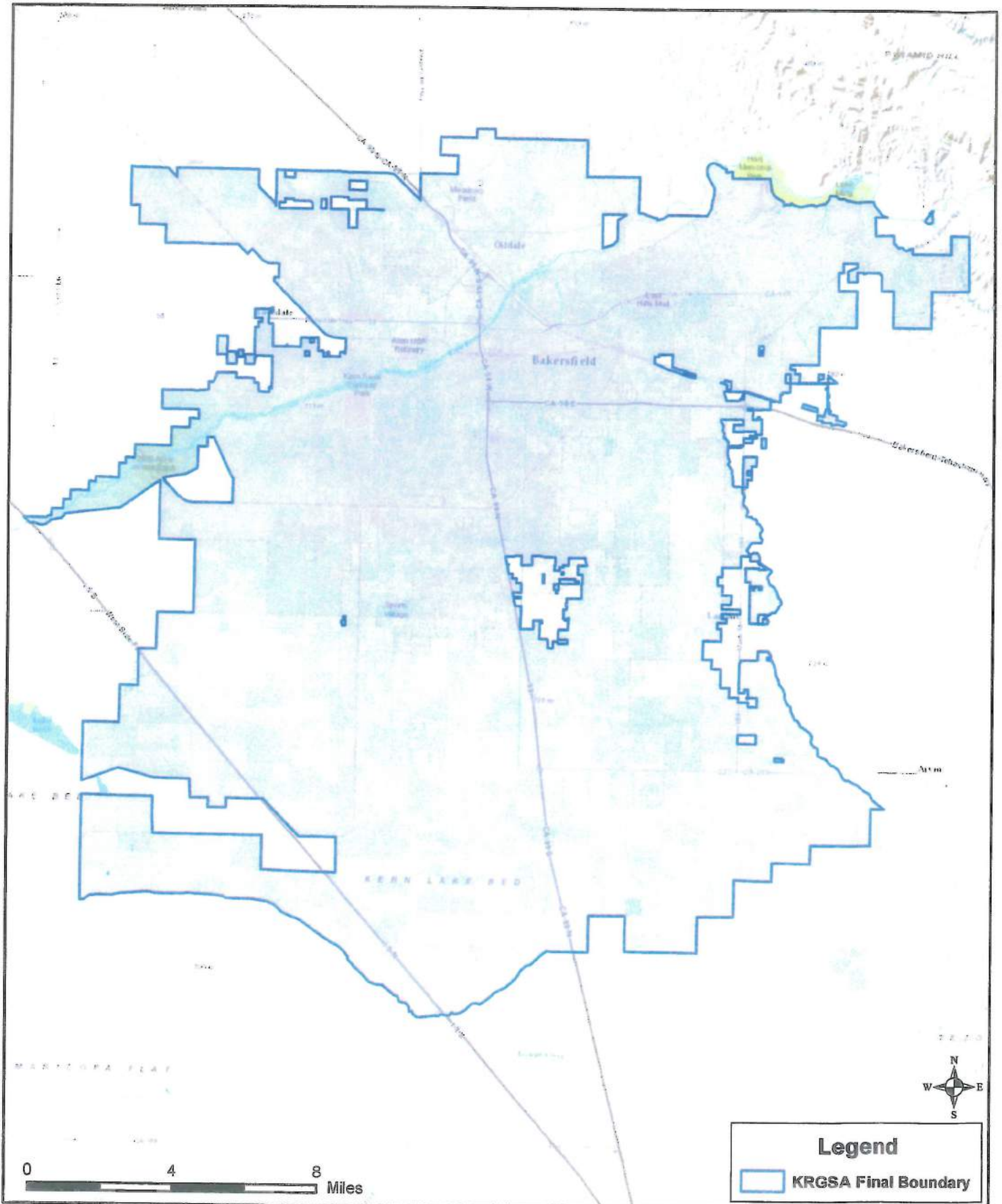
By [Signature]  
**VIRGINIA GENNARO**  
 City Attorney

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— FOR OFFICIAL USE ONLY —

# Kern River Groundwater Sustainability Agency (GSA)

Approved Boundary as of March 30, 2016



BEFORE THE BOARD OF DIRECTORS  
OF THE  
KERN COUNTY WATER AGENCY

In the matter of:


AUTHORIZING IMPROVEMENT \*  
DISTRICT NO. 4 TO BECOME A \*  
GROUNDWATER SUSTAINABILITY \*  
AGENCY \*

I, Lucinda J. Infante, Secretary of the Board of Directors of the Kern County Water Agency, of the County of Kern, State of California, do hereby certify that the following resolution proposed by Director Lundquist, and seconded by Director Fast, was duly passed and adopted by said Board of Directors at an official meeting hereof this 31st day of March, 2016, by the following vote, to wit:

Ayes: Lundquist, Fast, Wulff, Milobar, Cerro and Page

Noes: None

Absent: Hafenfeld

  
Secretary of the Board of Directors  
of the Kern County Water Agency

Resolution No. 11-16

WHEREAS, the Board of Directors (Board) of the Kern County Water Agency (Agency) is also empowered as the Board of the Agency Improvement District No. 4 (ID4); and

WHEREAS, on September 16, 2014, the Sustainable Groundwater Management Act (SGMA) was signed into law by the Governor to provide for sustainable management of groundwater by providing local groundwater agencies with the authority to sustainably manage groundwater through the adoption of

Groundwater Sustainability Plans; and

WHEREAS, Water Code section 10723 authorizes local land use authorities, water suppliers, and certain other local agencies, or a combination of local agencies, overlying a groundwater basin to elect to become a Groundwater Sustainability Agency (GSA) for the basin; and

WHEREAS, ID4 is a local agency qualified to become a GSA because ID4 is an Improvement District of the Kern County Water Agency formed to provide a supplemental water supply for the metropolitan Bakersfield area and overlies a portion of the Kern County Subbasin (Basin Number 5- 22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin, a DWR-designated high-priority basin; and

WHEREAS, the City of Bakersfield (City) is a local agency qualified to become a GSA because the City manages water, has a water supply, and has land use responsibilities over a portion of the Kern County Subbasin; and

WHEREAS, Kern Delta Water District (Kern Delta) is also a local agency qualified to become a GSA because Kern Delta is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code and overlies a portion of the Kern County Subbasin just south of the City; and

WHEREAS, the Agency, the City and Kern Delta will work collaboratively with other interested agencies to form a GSA known as the Kern River Groundwater Sustainability Agency, which will cover the portion of the Kern County Subbasin as shown on the map included in Exhibit A attached hereto and incorporated herein; and

WHEREAS, adoption of this Resolution does not constitute a "Project" under the California Environmental Quality Act (CEQA) pursuant to 15060(c)(3) and 15378(b)(5) of the State CEQA Guidelines because it is an administrative action that does not result in any direct or indirect physical change in the environment; and

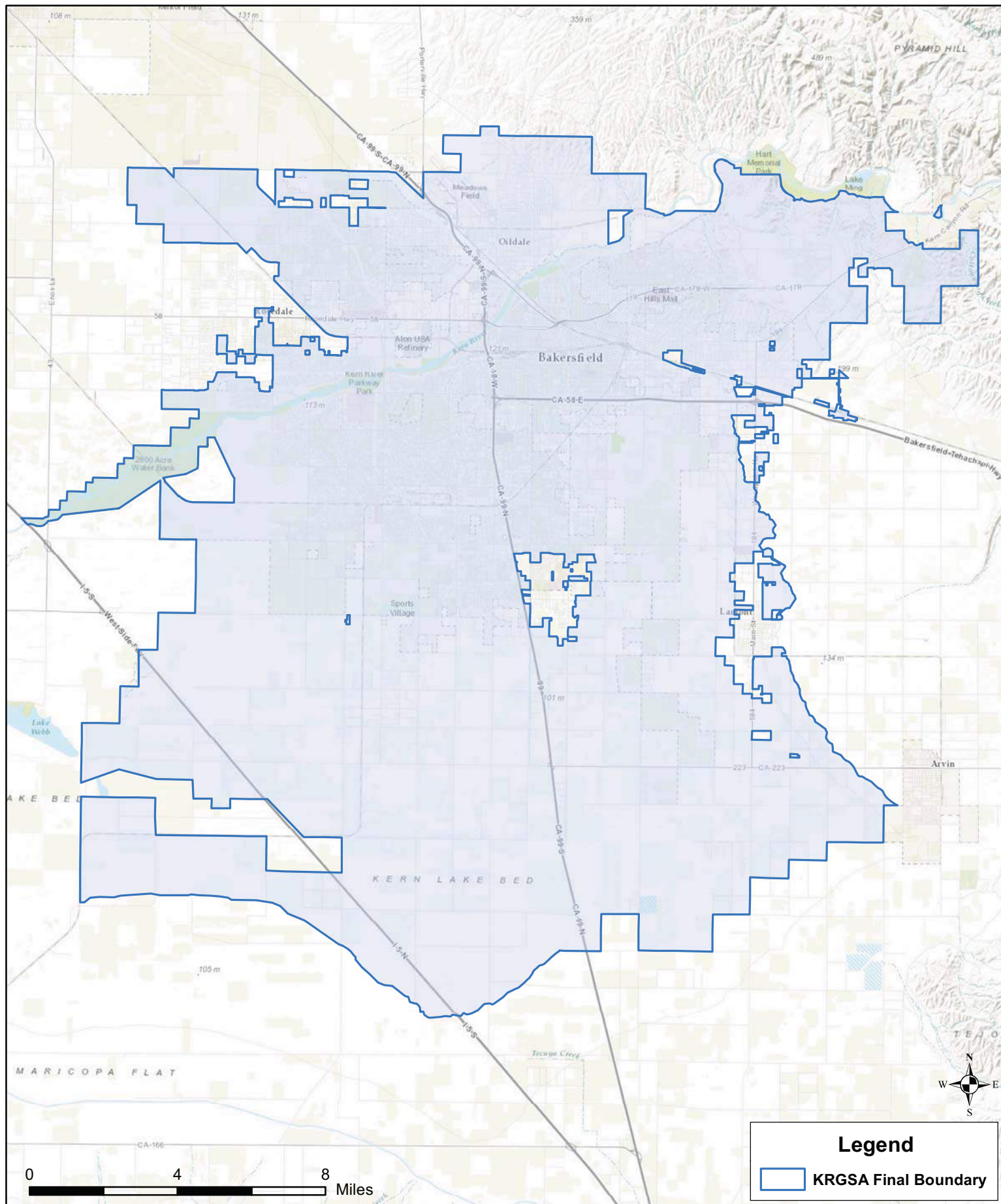
NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Kern County Water Agency, acting as the Board of Directors of Improvement District No. 4, that:

1. The foregoing recitals are true and correct.
2. ID4 does hereby elect in concert with the City and Kern Delta to become a Groundwater Sustainability Agency known as the Kern River Groundwater Sustainability Agency to cover the portion of DWR Basin No. 5-22.14 as shown on Exhibit A.
3. ID4, the City and Kern Delta will work to develop the governing structure of the Kern River Groundwater Sustainability Agency, which may involve other entities in addition to ID4, the City and Kern Delta.
4. The Kern River Groundwater Sustainability Agency hereby created shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans, as required by California Water Code section 10723.2.
5. The Kern River Groundwater Sustainability Agency hereby created shall establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements and availability of draft plans, maps and other relevant documents, as required by California Water Code section 10723.4.
6. ID4, the City and Kern Delta will jointly submit a notice of their decision to form the Kern River Groundwater Sustainability Agency for a portion of the Kern County Subbasin.
7. The Agency Board President is authorized to execute the Memorandum of Understanding Forming the Kern River Groundwater Sustainability Agency as shown on Exhibit B.



# Kern River Groundwater Sustainability Agency (GSA)

Approved Boundary as of March 30, 2016



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**MEMORANDUM OF UNDERSTANDING FORMING THE KERN  
RIVER GROUNDWATER SUSTAINABILITY AGENCY**

**THIS MEMORANDUM OF UNDERSTANDING** (“MOU”) is made and entered into on \_\_\_\_\_, by and between the **CITY OF BAKERSFIELD**, a municipal corporation, (“CITY” herein), **KERN DELTA WATER DISTRICT** (“KERN DELTA” herein), and **KERN COUNTY WATER AGENCY on behalf of its IMPROVEMENT DISTRICT NO. 4**, (“ID4” herein), each a “Party” and collectively the “Parties.”

**WHEREAS**, on September 16, 2014, Governor Jerry Brown signed into law Senate Bills 1168 and 1319 and Assembly Bill 1739, known collectively as the Sustainable Groundwater Management Act (“SGMA”); and

**WHEREAS**, the purpose of SGMA is to create a comprehensive management system in the State of California by creating structure to manage groundwater at the local level, while providing authority to the State to oversee and regulate, if necessary, the local groundwater management system; and

**WHEREAS**, SGMA empowers local agencies to adopt groundwater management plans that are tailored to the resources and needs of their communities to provide a buffer against drought and contribute to reliable water supply for the future; and

**WHEREAS**, Water Code Section 10723.6 authorizes a combination of local agencies overlying a groundwater basin to elect to become a Groundwater Sustainability Agency (“GSA”) by using a memorandum of agreement or other legal agreement; and

**WHEREAS**, CITY is a local agency qualified to become a GSA because CITY manages water, has a water supply, and has land use responsibilities over a portion of the Kern County Sub-basin (Basin Number 5-22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin (“Basin”), a DWR-designated high-priority basin; and

**WHEREAS**, Kern Delta is also a local agency qualified to become a GSA because Kern Delta is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code, manages water, has a water supply and overlies a portion of the Basin just south of CITY; and

**WHEREAS**, ID4 is also a local agency qualified to become a GSA because ID4 is an improvement district of the Kern County Water Agency formed to provide a supplemental water supply for the metropolitan Bakersfield area and overlies a portion of the Basin; and

**WHEREAS**, on February 10, 2016, CITY and KERN DELTA entered into Agreement No. 10-009 to establish a working relationship with the goal of jointly forming a GSA; and

**WHEREAS**, CITY and KERN DELTA mutually agree to add ID4 as a Party to this MOU; and

**WHEREAS**, on March 1, 2016, KERN DELTA held a public hearing to determine whether to become a GSA, and on March 15, 2016, KERN DELTA adopted Resolution No. 2016-03 electing to jointly become a GSA with CITY and ID4, a copy of which is attached hereto as **Exhibit "A-1"**; and

**WHEREAS**, on March 2, 2016, CITY held a public hearing to determine whether to become a GSA and on March 30, 2016, CITY adopted Resolution No. 039-16, electing to jointly become a GSA with KERN DELTA and ID4, a copy of which is attached hereto as **Exhibit "A-2"**; and

**WHEREAS**, on March 31, 2016, ID4 held a public hearing to determine whether to become a GSA, and on March 31, 2016, ID4 adopted Resolution No. \_\_\_\_\_-16, electing to jointly become a GSA with CITY and KERN DELTA, a copy of which is attached hereto as **Exhibit "A-3"**; and

**WHEREAS**, CITY, KERN DELTA and ID4 will jointly submit a Notice of Decision to form and be the founding Parties of a GSA, which will cover the portion of the Basin as shown on the map in **Exhibit "B-1"** attached hereto and incorporated herein; and

**WHEREAS**, the Parties will work collaboratively with other interested agencies to develop and implement a Ground Water Sustainability Plan ("GSP") to sustainably manage the Basin pursuant to SGMA.

**NOW, THEREFORE**, incorporating the above recitals herein and exhibits attached, it is mutually understood and agreed as follows:

1. **PURPOSE.** This MOU is entered into by and between the Parties to facilitate a cooperative and ongoing working relationship that will allow compliance with SGMA and State law, both as amended from time to time.

2. **KERN RIVER GROUND WATER SUSTAINABILITY AGENCY.** The Parties hereby establish the Kern River Groundwater Sustainability Agency ("KRGSA") to manage the portion of the Basin as set forth in **Exhibit "B-1."**

**3. ADDITIONAL AGENCIES.** Additional agencies with service area boundaries outside the jurisdiction of the Parties may join and incorporate their service area boundaries or portions thereof into KRGSA upon the mutual consent of all Parties. The additional agencies will be added to **Exhibit "C-1,"** as amended from time to time in compliance with SGMA, and the boundaries of the KRGSA may be expanded accordingly.

**4. POWERS**

**4.1** In addition to any other action available to develop and implement SGMA, including a GSP, the KRGSA may perform the following functions:

**4.1.1** Adopt standards for measuring and reporting water use.

**4.1.2** Develop and implement policies designed to reduce or eliminate overdraft within the boundaries of the GSA.

**4.1.3** Develop and implement conservation best management practices.

**4.1.4** Develop and implement metering, monitoring and reporting related to groundwater pumping.

**5. DECISION MAKING PROCESS**

**5.1** With the exceptions noted herein, it is the intent of the Parties that all actions undertaken by the KRGSA are done by unanimous consent of the Parties; however, if unanimous consent is not possible, a majority vote of the Parties is required.

**5.2** In the event of an impasse or disagreement, the Parties shall use their best efforts to find a mutually agreeable result. To this effect, the Parties shall consult and negotiate with each other in good faith in an attempt to reach a solution that is mutually satisfactory. If the Parties do not reach a solution, then the matter shall be submitted to non-binding arbitration or mediation within a reasonable period of time.

**6. ROLES AND RESPONSIBILITIES OF THE PARTIES**

**6.1** The Parties will work jointly to fulfill the Purpose of this MOU, SGMA, and the development and implementation of a GSP within the boundaries of the KRGSA.

- 6.2 The Parties will meet regularly to discuss SGMA, GSP development and implementation activities, assignments, and ongoing work progress.
- 6.3 The Parties may form committees as necessary from time to time discuss issues that impact the KRGSA.
- 6.4 The CITY and ID4 are jointly responsible for implementing the GSP in areas of the KRGSA that are within both City limits and ID4 boundaries.
- 6.5 KERN DELTA is responsible for implementing the GSP in agricultural areas of the KRGSA within KERN DELTA's boundary.

7. **FUNDING.** Unless agreed to otherwise, each Party's participation in this MOU is at its sole cost and expense.

8. **TERM.** This MOU shall remain in effect unless terminated by the mutual written consent of the Parties and as allowed by State law.

9. **AMENDING THE MOU.** This MOU and Exhibits hereto may only be amended by a subsequent writing, approved and signed by all Parties.

10. **HOLD HARMLESS.** No Party, nor any officer or employee of a Party, shall be responsible for any damage or liability occurring by reason of anything done or omitted to be done by another Party under or in connection with this MOU.

APPROVED AS TO CONTENT:  
CITY OF BAKERSFIELD

APPROVED AS TO CONTENT:  
KERN DELTA WATER DISTRICT

By: \_\_\_\_\_  
**HARVEY L. HALL**  
Mayor

By: \_\_\_\_\_  
**RODNEY PALLA**  
Board President

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

**WATER BOARD**

**KERN DELTA WATER DISTRICT**

By: \_\_\_\_\_  
**HAROLD HANSON**  
Water Board Chair

By: \_\_\_\_\_  
**L. MARK MULKAY**  
General Manager

Additional Signatures on Following Page

**WATER RESOURCES DEPARTMENT**

APPROVED AS TO FORM:

By: \_\_\_\_\_  
**ART CHIANELLO**  
Water Resources Manager

By: \_\_\_\_\_  
**GENE R. McMURTREY**  
Attorneys for Kern Delta Water  
District

APPROVED AS TO FORM:  
**VIRGINIA GENNARO**  
City Attorney

APPROVED AS TO CONTENT:  
**IMPROVEMENT DISTRICT 4**

By: \_\_\_\_\_  
**VIRGINIA GENNARO**  
City Attorney

By: \_\_\_\_\_  
**TED R. PAGE**  
Board President

COUNTERSIGNED:

APPROVED AS TO FORM:

By: \_\_\_\_\_  
**NELSON SMITH**  
Finance Director

By: \_\_\_\_\_  
**AMELIA T. MINABERRIGARAI**  
General Counsel

**BEFORE THE BOARD OF DIRECTORS OF  
THE KERN DELTA WATER DISTRICT**

**RESOLUTION NO. 2016-03**

**IN THE MATTER OF:**

**KERN DELTA WATER DISTRICT DECISION TO BECOME A GROUNDWATER  
SUSTAINABILITY AGENCY PURSUANT TO THE SUSTAINABLE GROUNDWATER  
MANAGEMENT ACT**

**WHEREAS**, the California legislature passed a statewide framework for sustainable groundwater management, known as the Sustainable Groundwater Management Act (California Water Code § 10720 et seq.) pursuant to Senate Bill 1168, Senate Bill 1319, and Assembly Bill 1739, which was approved by the Governor and Chaptered by the Secretary of State on September 16, 2014; and

**WHEREAS**, pursuant to the Sustainable Groundwater Management Act, sustainable groundwater management is intended to occur pursuant to Groundwater Sustainability Plans that are created and adopted by Groundwater Sustainability Agencies; and

**WHEREAS**, pursuant to California Water Code §10723(a), a Local Agency or combination of Local Agencies, as defined in California Water Code §10721(n), may decide to become or form a Groundwater Sustainability Agency; and

**WHEREAS**, Kern Delta Water District (“District”) is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code (commencing with Water Code §34000) and overlies a portion of the Kern County Subbasin of the San Joaquin Valley Groundwater Basin portion of the Tulare Lake Hydrologic Region, as defined in Bulletin 118 of the California Department of Water Resources and is therefore a “Local Agency” as defined within California Water Code 10721 (n); and

**WHEREAS**, the City of Bakersfield (City) is a local public agency that manages water, has a water supply, and has land use responsibilities, and is therefore a “Local Agency” as defined within California Water Code 10721 (n); and

**WHEREAS**, the District desires to form a Groundwater Sustainability Agency which may include the City of Bakersfield and other Local Agencies, and which may also include the participation of certain water corporations regulated by the Public Utilities Commission and mutual water companies, as authorized pursuant to Water Code 10723.6 (b); and

**WHEREAS**, the District held a public hearing on Tuesday March 1, 2016 pursuant to California Water Code section §10723(b), after publication of notice of such hearing pursuant to California Government Code section §6066; and

**WHEREAS**, at the public hearing, the Kern Delta Water District Board of Directors considered oral and written comments to the extent provided by the public; and

**WHEREAS**, it would be in the best interests of the District to form a Groundwater Sustainability Agency, which may include the City of Bakersfield and other Local Agencies and which may include the participation of various legally authorized entities.

**NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:**

1. That the foregoing is true and correct.
2. That Kern Delta Water District herein decides to form a Groundwater Sustainability Agency which may include the City of Bakersfield and other local agencies, and which may include the participation of legally authorized entities, and which shall have all the powers granted to a groundwater sustainability agency pursuant to the Sustainable Groundwater Management Act.
3. That the portion of the groundwater basin that the herein formed Groundwater Sustainability Agency shall manage shall be that portion of the basin as depicted in the notification provided to the Department of Water Resources pursuant to California Water Code 10723.8, and which boundary may be modified from time to time.
4. That the groundwater sustainability agency hereby created shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans, as required by California Water Code section §10723.2.
5. That the groundwater sustainability agency hereby created shall establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements, and availability of draft plans, maps, and other relevant documents, as required by California Water Code section §10723.4.
6. That the General Manager of Kern Delta Water District shall be authorized to execute a memorandum of agreement or other legal agreement(s) with other local agencies and legally authorized entities pursuant to Water Code §10723.6(a), as deemed appropriate by the General Manager, and cause notice to be given to the California Department of Water Resources of the decision of Kern Delta Water District to create the above referenced Groundwater Sustainability Agency.



ALL THE FOREGOING being on the motion of Director Frick, seconded by Director Tillema and authorized by the following vote, namely:

AYES: Antongiovanni, Bidart, Collins, Frick, Garone, Kaiser, Palla, Tillema

NOES: None

ABSENT: None

ABSTAIN: None

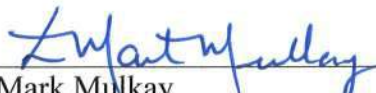
I HEREBY CERTIFY that the foregoing resolution is the resolution of the Kern Delta Water District as duly passed and adopted by its Board of Directors at a legally convened meeting held on the 15<sup>th</sup> day of March, 2016.



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Rodney Palla  
Board President of Directors  
KERN DELTA WATER DISTRICT

ATTESTED:



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L. Mark Mulkay  
Assistant Secretary of the Board of Directors  
KERN DELTA WATER DISTRICT

**RESOLUTION NO. \_\_\_\_\_**

**A RESOLUTION OF THE COUNCIL OF THE CITY OF BAKERSFIELD TO BECOME A GROUNDWATER SUSTAINABILITY AGENCY PURSUANT TO THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT.**

**WHEREAS**, on September 16, 2014, the Sustainable Groundwater Management Act (SGMA) was signed into law by the Governor to provide for sustainable management of groundwater by providing local groundwater agencies with the authority to sustainably manage groundwater through the adoption of Groundwater Sustainability Plans; and

**WHEREAS**, Water Code Section 10723(a) authorizes local land use authorities, water suppliers, and certain other local agencies, or a combination of local agencies, overlying a groundwater basin to elect to become a Groundwater Sustainability Agency (GSA) for the basin; and

**WHEREAS**, the City of Bakersfield (City) is a local agency qualified to become a GSA because City manages water, has water supply, and has land use responsibilities over a portion of the Kern County Subbasin (Basin Number 5-22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin, a DWR-designated high-priority basin; and

**WHEREAS**, Kern Delta Water District ("Kern Delta") is also a local agency qualified to become a GSA because Kern Delta is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code and overlies a portion of the Kern County Subbasin just south of City; and

**WHEREAS**, Improvement District No. 4 ("ID4") is also a local agency qualified to become a GSA and overlies a portion of the Kern County Subbasin; and

**WHEREAS**, City held a public hearing on March 2, 2016, after publication of notice pursuant to Government Code Section 6066 to consider adoption of this Resolution; and

**WHEREAS**, City, Kern Delta, and ID4 will work collaboratively with other interested entities to form a GSA known as the Kern River Ground Water Sustainability Agency, which will cover the portion of the Kern County Subbasin as shown on the map included in **Exhibit "A"** attached hereto and incorporated herein; and

**WHEREAS**, adoption of this Resolution does not constitute a “Project” under the California Environmental Quality Act (CEQA) pursuant to 15060(c)(3) and 15378(b)(5) of the State CEQA Guidelines because it is an administrative action that does not result in any direct or indirect physical change in the environment.

**NOW THEREFORE, BE IT RESOLVED** by the Council of the City of Bakersfield as follows:

1. The above recitals and findings are true and correct.
2. That City of Bakersfield does hereby elect in concert with Kern Delta Water District and Improvement District No. 4 to become a Groundwater Sustainability Agency known as the Kern River Groundwater Sustainability Agency to cover the portion of DWR Basin No. 5-22.14 as shown on **Exhibit “A”** attached to this Resolution.
3. That City of Bakersfield, Kern Delta Water District and Improvement District No. 4 will work to develop the governing structure of the Kern River Groundwater Sustainability Agency, which may involve other entities in addition to the City of Bakersfield and Kern Delta Water District.
4. That the Kern River Groundwater Sustainability Agency hereby created shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans, as required by California Water Code Section 10723.2
5. That the Kern River Groundwater Sustainability Agency hereby created shall establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements, and availability of draft plans, maps, and other relevant documents, as required by California Water Code Section 10723.4.
6. That City of Bakersfield, Kern Delta Water District, and Improvement District No. 4 will jointly submit a notice of their decision to form the Kern River Groundwater Sustainability Agency for a portion of the

Kern County Subbasin (Basin Number 5-22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin to DWR.

-----oOo-----

**I HEREBY CERTIFY** that the foregoing Resolution was passed and adopted by the Council of the City of Bakersfield at a regular meeting thereof held on \_\_\_\_\_, by the following vote:

YES:	COUNCIL MEMBER RIVERA, MAXWELL, WEIR, SMITH, HANSON, SULLIVAN, PARLIER
NOES:	COUNCIL MEMBER _____
ABSTAIN:	COUNCIL MEMBER _____
ABSENT:	COUNCIL MEMBER _____

\_\_\_\_\_  
**ROBERTA GAFFORD, CMC**  
 CITY CLERK and Ex Officio Clerk of  
 the Council of the City of Bakersfield

APPROVED \_\_\_\_\_

By \_\_\_\_\_  
**HARVEY L. HALL**  
 Mayor

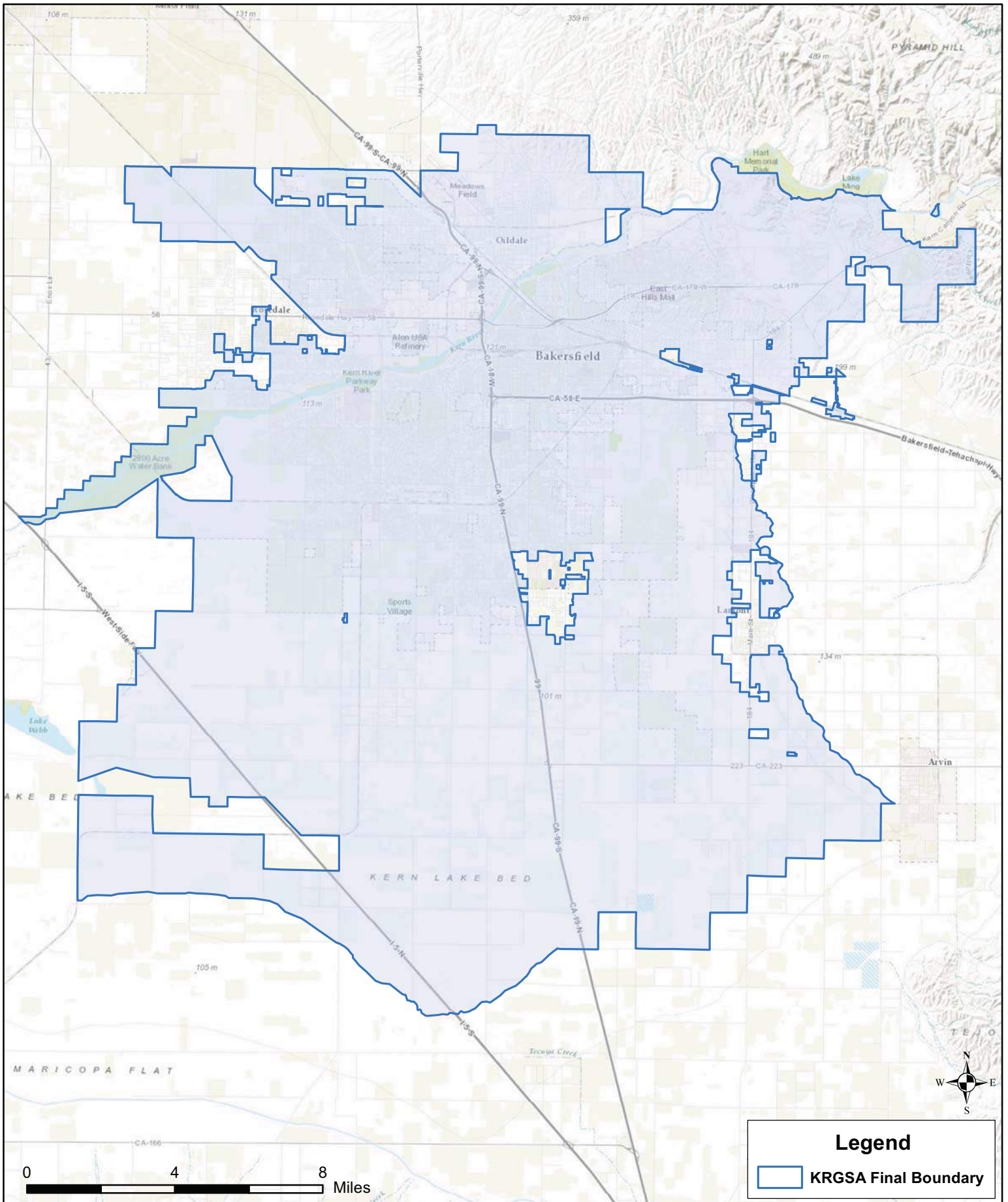
APPROVED AS TO FORM:  
**VIRGINIA GENNARO**  
 City Attorney

By \_\_\_\_\_  
**VIRGINIA GENNARO**  
 City Attorney

Rl:dll  
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# Kern River Groundwater Sustainability Agency (GSA)

Approved Boundary as of March 30, 2016



### Legend

 KRGSA Final Boundary

**EXHIBIT C-1**

**ADDITIONAL AGENCIES**

The agencies identified below hereby agree to join and incorporate their service area boundaries, or portion thereof, into the Kern River Ground Water Sustainability Agency ("KRGSA") as shown on the maps attached as Exhibit "B".

**EAST NILES COMMUNITY SERVICE DISTRICT**

By: \_\_\_\_\_  
**TIMOTHY P. RUIZ**  
GENERAL MANAGER

**OILDALE MUTUAL WATER COMPANY  
/NORTH OF THE RIVER MUNICIPAL WATER DISTRICT**

By: \_\_\_\_\_  
**DOUG NUNNELEY**  
General Manager

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**EXHIBIT 3**

**NOTICING**

**INCLUDING:**

- (A) NOTICING FOR MARCH 1, 2016 PUBLIC HEARING - KERN DELTA WATER DISTRICT**
- (B) NOTICING FOR MARCH 2, 2016 PUBLIC HEARING - CITY OF BAKERSFIELD**
- (C) NOTICING FOR MARCH 31, 2016 PUBLIC HEARING – IMPROVEMENT DISTRICT NO.4 KERN COUNTY WATER AGENCY**

## PROOF OF PUBLICATION

The BAKERSFIELD CALIFORNIAN  
P.O. BOX 440  
BAKERSFIELD, CA 93302

KERN DELTA WATER DIST  
501 TAFT HWY  
BAKERSFIELD, CA 93307

Ad Number: 14078033 PO #:   
Edition: 1TBC Run Times 2  
Class Code Public Notices  
Start Date 2/16/2016 Stop Date 2/23/2016  
Billing Lines 15 Inches 90.92  
Total Cost \$ 231.18 Account 1KDE05  
Billing KERN DELTA WATER DIST  
Address 501 TAFT HWY  
BAKERSFIELD, CA 93307

--


STATE OF CALIFORNIA  
COUNTY OF KERN

I AM A CITIZEN OF THE UNITED STATES AND A RESIDENT OF THE COUNTY AFORESAID: I AM OVER THE AGE OF EIGHTEEN YEARS, AND NOT A PARTY TO OR INTERESTED IN THE ABOVE ENTITLED MATTER. I AM THE ASSISTANT PRINCIPAL CLERK OF THE PRINTER OF THE BAKERSFIELD CALIFORNIAN, A NEWSPAPER OF GENERAL CIRCULATION, PRINTED AND PUBLISHED DAILY IN THE CITY OF BAKERSFIELD COUNTY OF KERN,

AND WHICH NEWSPAPER HAS BEEN ADJUDGED A NEWSPAPER OF GENERAL CIRCULATION BY THE SUPERIOR COURT OF THE COUNTY OF KERN, STATE OF CALIFORNIA, UNDER DATE OF FEBRUARY 5, 1952, CASE NUMBER 57610; THAT THE NOTICE, OF WHICH THE ANNEXED IS A PRINTED COPY, HAS BEEN PUBLISHED IN EACH REGULAR AND ENTIRE ISSUE OF SAID NEWSPAPER AND NOT IN ANY SUPPLEMENT THEREOF ON THE FOLLOWING DATES, TO WIT: 2/16/16  
2/23/16

ALL IN YEAR 2016

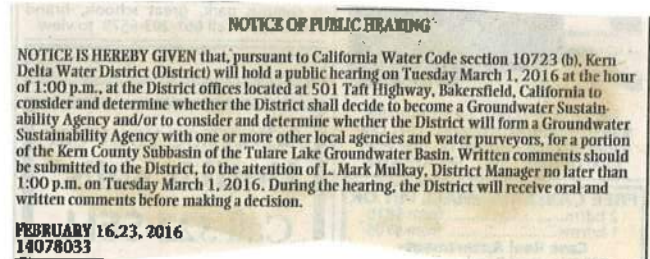
I CERTIFY (OR DECLARE) UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

  
DATED AT BAKERSFIELD CALIFORNIA  
2/23/16

Solicitor I.D.: 0

First Text  
NOTICE OF PUBLIC HEARING NOTICE IS HEREBY

Ad Number 14078033



RECEIVED  
MAR 11 2016  
KDWD



# PROOF OF PUBLICATION

The BAKERSFIELD CALIFORNIAN  
 P.O. BOX 440  
 BAKERSFIELD, CA 93302

CITY OF BAKERSFIELD/LEGALS ONL  
 1600 TRUXTUN AVE 2ND FLOOR  
 BAKERSFIELD, CA 93301

Ad Number:	14078413	PO #:	
Edition:	1TBC	Run Times	2
Class Code	Public Notices		
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Billing Lines	23	Inches	138.92
Total Cost	\$ 346.70	Account	1BC111
Billing Address	CITY OF BAKERSFIELD/LEGALS O 1600 TRUXTUN AVE 2ND FLOOR BAKERSFIELD,CA 93301		

STATE OF CALIFORNIA  
 COUNTY OF KERN

I AM A CITIZEN OF THE UNITED STATES AND A RESIDENT OF THE COUNTY AFORESAID: I AM OVER THE AGE OF EIGHTEEN YEARS, AND NOT A PARTY TO OR INTERESTED IN THE ABOVE ENTITLED MATTER. I AM THE ASSISTANT PRINCIPAL CLERK OF THE PRINTER OF THE BAKERSFIELD CALIFORNIAN, A NEWSPAPER OF GENERAL CIRCULATION, PRINTED AND PUBLISHED DAILY IN THE CITY OF BAKERSFIELD COUNTY OF KERN,

AND WHICH NEWSPAPER HAS BEEN ADJUDGED A NEWSPAPER OF GENERAL CIRCULATION BY THE SUPERIOR COURT OF THE COUNTY OF KERN, STATE OF CALIFORNIA, UNDER DATE OF FEBRUARY 5, 1952, CASE NUMBER 57610; THAT THE NOTICE, OF WHICH THE ANNEXED IS A PRINTED COPY, HAS BEEN PUBLISHED IN EACH REGULAR AND ENTIRE ISSUE OF SAID NEWSPAPER AND NOT IN ANY SUPPLEMENT THEREOF ON THE FOLLOWING DATES, TO WIT: 2/21/16  
 2/16/16

ALL IN YEAR 2016

I CERTIFY (OR DECLARE) UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.



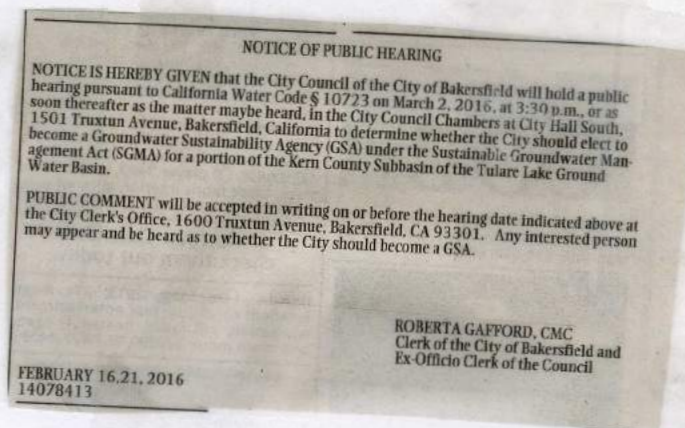
DATED AT BAKERSFIELD CALIFORNIA

FEB 21 2016

Solicitor I.D.: 0

First Text  
NOTICE OF PUBLIC HEARING NOTICE IS HERE

Ad Number 14078413



# PROOF OF PUBLICATION

The BAKERSFIELD CALIFORNIAN  
P.O. BOX 440  
BAKERSFIELD, CA 93302

Ad Number: 14102957 PO #:   
Edition: 1TBC Run Times 2  
Class Code Public Notices  
Start Date 3/17/2016 Stop Date 3/24/2016  
Billing Lines 78 Inches 462.92  
Total Cost \$ 513.82 Account 1KCO85  
Billing KERN COUNTY WATER AGENCY  
Address P.O. Box 58  
BAKERSFIELD, CA 93302

KERN COUNTY WATER AGENCY  
P.O. Box 58  
BAKERSFIELD, CA 93302

RECEIVED - Kern County Water Agency

ATM	<input type="checkbox"/>
DMB	<input type="checkbox"/>
SMR	<input type="checkbox"/>
NLP	<input type="checkbox"/>
CMV	<input type="checkbox"/>
DRB	<input checked="" type="checkbox"/>
Scan	<input checked="" type="checkbox"/>

MAR 28 2016

All  Orig to file  Scan

STATE OF CALIFORNIA  
COUNTY OF KERN

Solicitor I.D.: 0

### First Text

### NOTICE OF PUBLIC HEARING ON DECISION TO

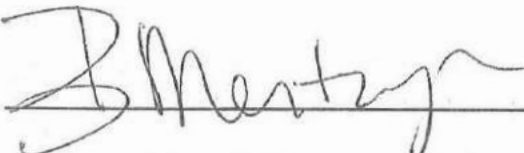
I AM A CITIZEN OF THE UNITED STATES AND A RESIDENT OF THE COUNTY AFORESAID: I AM OVER THE AGE OF EIGHTEEN YEARS, AND NOT A PARTY TO OR INTERESTED IN THE ABOVE ENTITLED MATTER. I AM THE ASSISTANT PRINCIPAL CLERK OF THE PRINTER OF THE BAKERSFIELD CALIFORNIAN, A NEWSPAPER OF GENERAL CIRCULATION, PRINTED AND PUBLISHED DAILY IN THE CITY OF BAKERSFIELD COUNTY OF KERN,

AND WHICH NEWSPAPER HAS BEEN ADJUDGED A NEWSPAPER OF GENERAL CIRCULATION BY THE SUPERIOR COURT OF THE COUNTY OF KERN, STATE OF CALIFORNIA, UNDER DATE OF FEBRUARY 5, 1952, CASE NUMBER 57610; THAT THE NOTICE, OF WHICH THE ANNEXED IS A PRINTED COPY, HAS BEEN PUBLISHED IN EACH REGULAR AND ENTIRE ISSUE OF SAID NEWSPAPER AND NOT IN ANY SUPPLEMENT THEREOF ON THE FOLLOWING DATES, TO WIT:

3/17/16  
3/24/16

ALL IN YEAR 2016

I CERTIFY (OR DECLARE) UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.



DATED AT BAKERSFIELD CALIFORNIA

3/24/16

NOTICE OF PUBLIC HEARING ON DECISION TO BECOME A GROUNDWATER SUSTAINABILITY AGENCY

NOTICE IS HEREBY GIVEN that, pursuant to California Water Code section 10723 (b), the Kern County Water Agency (Agency) will hold a public hearing on Thursday, March 31, 2016 at the hour of 2:00 p.m., at the Agency offices located at 3200 Rio Mirada Drive, Bakersfield, California to consider and determine whether the Agency shall decide to become a Groundwater Sustainability Agency and/or to consider and determine whether the Agency will form a Groundwater Sustainability Agency with one or more other local agencies and water purveyors, for a portion of the Kern County Subbasin of the Tulare Lake Groundwater Basin. Written comments should be submitted to the Agency, to the attention of David R. Beard, Improvement District No. 4 Manager, no later than 1:30 p.m. on Thursday, March 31, 2016. During the hearing, the Agency will receive oral and written comments before making a decision.

Lucinda J. Infante  
Secretary of the Board of Directors  
of the Kern County  
BEFORE THE BOARD OF DIRECTORS

OF THE  
KERN COUNTY WATER AGENCY

In the matter of:

AUTHORIZING THE PUBLISHING OF A NOTICE OF PUBLIC HEARING FOR THE DECISION TO BECOME A GROUNDWATER SUSTAINABILITY AGENCY

I, Lucinda J. Infante, Secretary of the Board of Directors of the Kern County Water Agency, of the County of Kern, State of California, do hereby certify that the following resolution proposed by Director Lundquist, and seconded by Director Milobar, was duly passed and adopted by said Board of Directors at an official meeting hereof this 16th day of March, 2016, by the following vote, to wit:

Ayes: Lundquist, Fast, Milobar, Hafensfeld, Cerro and Page  
Noes: None  
Absent: Wolff

Lucinda J. Infante  
Secretary of the Board of Directors  
of the Kern County Water Agency

Resolution No. 07-16

WHEREAS, the Board of Directors (Board) of the Kern County Water Agency (Agency) is also empowered as the Board of the Agency Improvement District No. 4 (ID4); and  
WHEREAS, on September 16, 2014, the Sustainable Groundwater Management Act (SGMA) was signed into law by the Governor to provide for sustainable management of groundwater by providing local groundwater agencies with the authority to sustainably manage groundwater through the adoption of Groundwater Sustainability Plans; and  
WHEREAS, Water Code section 10723 authorizes local land use authorities, water suppliers, and certain other local agencies, or a combination of local agencies, overlying a groundwater basin to elect to become a Groundwater Sustainability Agency (GSA) for the basin; and  
WHEREAS, the Agency is a local agency qualified to become a GSA because the Agency manages water, has a water supply, and has land use responsibilities over a portion of the Kern County Subbasin (Basin Number S- 22.14, DWR Bulletin 11B) within the San Joaquin Valley Groundwater Basin, a DWR-designated high-priority basin; and  
WHEREAS, the Agency is required to notice a public hearing pursuant to Government Code section 6066 to consider the formation of a Groundwater Sustainability Agency; and  
NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Kern County Water Agency, acting as the Board of Directors of Improvement District No. 4, that:

- The foregoing recitals are true and correct.
- A public hearing will be held on Thursday, March 31, 2016 at 2:00 p.m. on ID4's decision to become a Groundwater Sustainability Agency for a portion of the Kern County Subbasin.
- Agency staff is authorized and directed to publish the Notice of Public Hearing in the manner prescribed by law.

**EXHIBIT 4**

**MEMORANDUM OF UNDERSTANDING (MOU)**

**BETWEEN CITY OF BAKERSFIELD,**

**KERN DELTA WATER DISTRICT, and**

**IMPROVEMENT DISTRICT NO.4 OF THE KERN COUNTY WATER AGENCY**

16-048

**MEMORANDUM OF UNDERSTANDING FORMING THE KERN  
RIVER GROUNDWATER SUSTAINABILITY AGENCY**

**THIS MEMORANDUM OF UNDERSTANDING** ("MOU") is made and entered into on MAR 30 2016, by and between the **CITY OF BAKERSFIELD**, a municipal corporation, ("CITY" herein), **KERN DELTA WATER DISTRICT** ("KERN DELTA" herein), and **KERN COUNTY WATER AGENCY on behalf of its IMPROVEMENT DISTRICT NO. 4**, ("ID4" herein), each a "Party" and collectively the "Parties."

**WHEREAS**, on September 16, 2014, Governor Jerry Brown signed into law Senate Bills 1168 and 1319 and Assembly Bill 1739, known collectively as the Sustainable Groundwater Management Act ("SGMA"); and

**WHEREAS**, the purpose of SGMA is to create a comprehensive management system in the State of California by creating structure to manage groundwater at the local level, while providing authority to the State to oversee and regulate, if necessary, the local groundwater management system; and

**WHEREAS**, SGMA empowers local agencies to adopt groundwater management plans that are tailored to the resources and needs of their communities to provide a buffer against drought and contribute to reliable water supply for the future; and

**WHEREAS**, Water Code Section 10723.6 authorizes a combination of local agencies overlying a groundwater basin to elect to become a Groundwater Sustainability Agency ("GSA") by using a memorandum of agreement or other legal agreement; and

**WHEREAS**, CITY is a local agency qualified to become a GSA because CITY manages water, has a water supply, and has land use responsibilities over a portion of the Kern County Sub-basin (Basin Number 5-22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin ("Basin"), a DWR-designated high-priority basin; and

**WHEREAS**, Kern Delta is also a local agency qualified to become a GSA because Kern Delta is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code, manages water, has a water supply and overlies a portion of the Basin just south of CITY; and

**WHEREAS**, ID4 is also a local agency qualified to become a GSA because ID4 is an improvement district of the Kern County Water Agency formed to provide a supplemental water supply for the metropolitan Bakersfield area and overlies a portion of the Basin; and

**WHEREAS**, on February 10, 2016, CITY and KERN DELTA entered into Agreement No. 10-009 to establish a working relationship with the goal of jointly forming a GSA; and

**WHEREAS**, CITY and KERN DELTA mutually agree to add ID4 as a Party to this MOU; and

**WHEREAS**, on March 1, 2016, KERN DELTA held a public hearing to determine whether to become a GSA, and on March 15, 2016, KERN DELTA adopted Resolution No. 2016-03 electing to jointly become a GSA with CITY and ID4, a copy of which is attached hereto as **Exhibit "A-1"**; and

**WHEREAS**, on March 2, 2016, CITY held a public hearing to determine whether to become a GSA and on March 30, 2016, CITY adopted Resolution No. 039-16, electing to jointly become a GSA with KERN DELTA and ID4, a copy of which is attached hereto as **Exhibit "A-2"**; and

**WHEREAS**, on March 31, 2016, ID4 held a public hearing to determine whether to become a GSA, and on March 31, 2016, ID4 adopted Resolution No. 11-16, electing to jointly become a GSA with CITY and KERN DELTA, a copy of which is attached hereto as **Exhibit "A-3"**; and

**WHEREAS**, CITY, KERN DELTA and ID4 will jointly submit a Notice of Decision to form and be the founding Parties of a GSA, which will cover the portion of the Basin as shown on the map in **Exhibit "B-1"** attached hereto and incorporated herein; and

**WHEREAS**, additional detail identifying boundaries of the Parties and agencies covering the portion of the Basin as shown in Exhibit "B-1" is shown on the maps attached as **Exhibit "B-2"** and **"B-3"**; and

**WHEREAS**, the Parties will work collaboratively with other interested agencies to develop and implement a Ground Water Sustainability Plan ("GSP") to sustainably manage the Basin pursuant to SGMA.

**NOW, THEREFORE**, incorporating the above recitals herein and exhibits attached, it is mutually understood and agreed as follows:

1. **PURPOSE.** This MOU is entered into by and between the Parties to facilitate a cooperative and ongoing working relationship that will allow compliance with SGMA and State law, both as amended from time to time.



**2. KERN RIVER GROUND WATER SUSTAINABILITY AGENCY.** The Parties hereby establish the Kern River Groundwater Sustainability Agency ("KRGSA") to manage the portion of the Basin as set forth in **Exhibit "B-1."**

**3. ADDITIONAL AGENCIES.** Additional agencies with service area boundaries outside the jurisdiction of the Parties may join and incorporate their service area boundaries or portions thereof into KRGSA upon the mutual consent of all Parties. The additional agencies will be added to **Exhibit "C-1,"** as amended from time to time in compliance with SGMA, and the boundaries of the KRGSA may be expanded accordingly.

**4. POWERS**

**4.1** In addition to any other action available to develop and implement SGMA, including a GSP, the KRGSA may perform the following functions:

**4.1.1** Adopt standards for measuring and reporting water use.

**4.1.2** Develop and implement policies designed to reduce or eliminate overdraft within the boundaries of the GSA.

**4.1.3** Develop and implement conservation best management practices.

**4.1.4** Develop and implement metering, monitoring and reporting related to groundwater pumping.

**5. DECISION MAKING PROCESS**

**5.1** With the exceptions noted herein, it is the intent of the Parties that all actions undertaken by the KRGSA are done by unanimous consent of the Parties; however, if unanimous consent is not possible, a majority vote of the Parties is required.

**5.2** In the event of an impasse or disagreement, the Parties shall use their best efforts to find a mutually agreeable result. To this effect, the Parties shall consult and negotiate with each other in good faith in an attempt to reach a solution that is mutually satisfactory. If the Parties do not reach a solution, then the matter shall be submitted to non-binding arbitration or mediation within a reasonable period of time.

**6. ROLES AND RESPONSIBILITIES OF THE PARTIES**

- 6.1 The Parties will work jointly to fulfill the Purpose of this MOU, SGMA, and the development and implementation of a GSP within the boundaries of the KRGSA.
- 6.2 The Parties will meet regularly to discuss SGMA, GSP development and implementation activities, assignments, and ongoing work progress.
- 6.3 The Parties may form committees as necessary from time to time discuss issues that impact the KRGSA.
- 6.4 The CITY and ID4 are jointly responsible for implementing the GSP in areas of the KRGSA that are within both City limits and ID4 boundaries.
- 6.5 KERN DELTA is responsible for implementing the GSP in agricultural areas of the KRGSA within KERN DELTA's boundary.

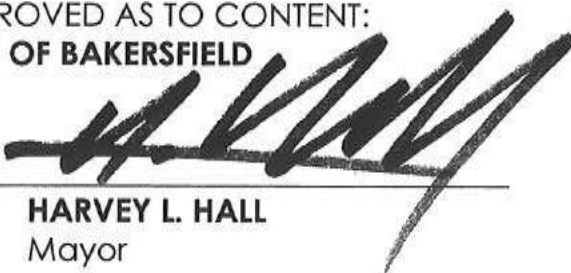
7. **FUNDING.** Unless agreed to otherwise, each Party's participation in this MOU is at its sole cost and expense.

8. **TERM.** This MOU shall remain in effect unless terminated by the mutual written consent of the Parties and as allowed by State law.

9. **AMENDING THE MOU.** This MOU and Exhibits hereto may only be amended by a subsequent writing, approved and signed by all Parties.

10. **HOLD HARMLESS.** No Party, nor any officer or employee of a Party, shall be responsible for any damage or liability occurring by reason of anything done or omitted to be done by another Party under or in connection with this MOU.

APPROVED AS TO CONTENT:  
CITY OF BAKERSFIELD

By:   
HARVEY L. HALL  
Mayor

DATE: MAR 30 2016

APPROVED AS TO CONTENT:  
KERN DELTA WATER DISTRICT

By:   
RODNEY PALLA  
Board President

DATE: April 1, 2016

Additional Signatures on Following Page




**WATER BOARD**

By:   
**HAROLD HANSON**  
Water Board Chair


**KERN DELTA WATER DISTRICT**

By:   
**L. MARK MULKEY**  
General Manager

**WATER RESOURCES DEPARTMENT**

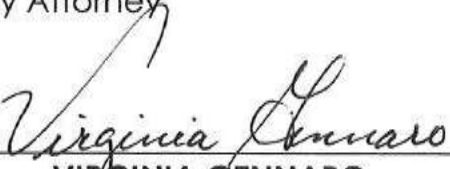
By:   
**ART CHIANELLO**  
Water Resources Manager

APPROVED AS TO FORM:

By:   
**GENE R. McMURTREY**  
Attorneys for Kern Delta Water District

APPROVED AS TO FORM:

**VIRGINIA GENNARO**  
City Attorney

By:   
**VIRGINIA GENNARO**  
City Attorney

APPROVED AS TO CONTENT:

**IMPROVEMENT DISTRICT 4**

By:   
**TED R. PAGE**  
Board President

COUNTERSIGNED:

By:   
**NELSON SMITH**  
Finance Director

APPROVED AS TO FORM:

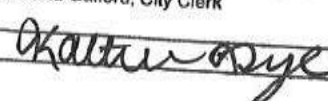
By:   
**AMELIA T. MINABERRIGARAI**  
General Counsel

STATE OF CALIFORNIA  
County of Kern

I, Roberta Gafford, City Clerk of the City of Bakersfield, State of California, hereby certify the foregoing and annexed to be a full, true and correct copy of the original Agreement 16-048 on file in this office and that I have compared the same with the original.

WITNESS my hand and seal this 8 day of April 2016

Roberta Gafford, City Clerk

By:   
Deputy City Clerk





BEFORE THE BOARD OF DIRECTORS OF  
THE KERN DELTA WATER DISTRICT

RESOLUTION NO. 2016-03

IN THE MATTER OF:

KERN DELTA WATER DISTRICT DECISION TO BECOME A GROUNDWATER  
SUSTAINABILITY AGENCY PURSUANT TO THE SUSTAINABLE GROUNDWATER  
MANAGEMENT ACT

WHEREAS, the California legislature passed a statewide framework for sustainable groundwater management, known as the Sustainable Groundwater Management Act (California Water Code § 10720 et seq.) pursuant to Senate Bill 1168, Senate Bill 1319, and Assembly Bill 1739, which was approved by the Governor and Chaptered by the Secretary of State on September 16, 2014; and

WHEREAS, pursuant to the Sustainable Groundwater Management Act, sustainable groundwater management is intended to occur pursuant to Groundwater Sustainability Plans that are created and adopted by Groundwater Sustainability Agencies; and

WHEREAS, pursuant to California Water Code §10723(a), a Local Agency or combination of Local Agencies, as defined in California Water Code §10721(n), may decide to become or form a Groundwater Sustainability Agency; and

WHEREAS, Kern Delta Water District ("District") is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code (commencing with Water Code §34000) and overlies a portion of the Kern County Subbasin of the San Joaquin Valley Groundwater Basin portion of the Tulare Lake Hydrologic Region, as defined in Bulletin 118 of the California Department of Water Resources and is therefore a "Local Agency" as defined within California Water Code 10721 (n); and

WHEREAS, the City of Bakersfield (City) is a local public agency that manages water, has a water supply, and has land use responsibilities, and is therefore a "Local Agency" as defined within California Water Code 10721 (n); and

WHEREAS, the District desires to form a Groundwater Sustainability Agency which may include the City of Bakersfield and other Local Agencies, and which may also include the participation of certain water corporations regulated by the Public Utilities Commission and mutual water companies, as authorized pursuant to Water Code 10723.6 (b); and

WHEREAS, the District held a public hearing on Tuesday March 1, 2016 pursuant to California Water Code section §10723(b), after publication of notice of such hearing pursuant to California Government Code section §6066; and

CITY OF BAKERSFIELD  
ORIGINAL

WHEREAS, at the public hearing, the Kern Delta Water District Board of Directors considered oral and written comments to the extent provided by the public; and

WHEREAS, it would be in the best interests of the District to form a Groundwater Sustainability Agency, which may include the City of Bakersfield and other Local Agencies and which may include the participation of various legally authorized entities.

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. That the foregoing is true and correct.
2. That Kern Delta Water District herein decides to form a Groundwater Sustainability Agency which may include the City of Bakersfield and other local agencies, and which may include the participation of legally authorized entities, and which shall have all the powers granted to a groundwater sustainability agency pursuant to the Sustainable Groundwater Management Act.
3. That the portion of the groundwater basin that the herein formed Groundwater Sustainability Agency shall manage shall be that portion of the basin as depicted in the notification provided to the Department of Water Resources pursuant to California Water Code 10723.8, and which boundary may be modified from time to time.
4. That the groundwater sustainability agency hereby created shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans, as required by California Water Code section §10723.2.
5. That the groundwater sustainability agency hereby created shall establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements, and availability of draft plans, maps, and other relevant documents, as required by California Water Code section §10723.4.
6. That the General Manager of Kern Delta Water District shall be authorized to execute a memorandum of agreement or other legal agreement(s) with other local agencies and legally authorized entities pursuant to Water Code §10723.6(a), as deemed appropriate by the General Manager, and cause notice to be given to the California Department of Water Resources of the decision of Kern Delta Water District to create the above referenced Groundwater Sustainability Agency.



ALL THE FOREGOING being on the motion of Director Frick, seconded by Director Tillema and authorized by the following vote, namely:


AYES: Antongiovanni, Bidart, Collins, Frick, Garone, Kaiser, Palla, Tillema

NOES: None

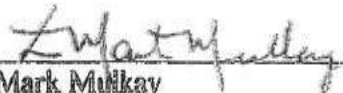
ABSENT: None

ABSTAIN: None

I HEREBY CERTIFY that the foregoing resolution is the resolution of the Kern Delta Water District as duly passed and adopted by its Board of Directors at a legally convened meeting held on the 15<sup>th</sup> day of March, 2016.

  
\_\_\_\_\_  
Rodney Palla  
Board President of Directors  
KERN DELTA WATER DISTRICT

ATTESTED:

  
\_\_\_\_\_  
L. Mark Mulkay  
Assistant Secretary of the Board of Directors  
KERN DETLA WATER DISTRICT



**RESOLUTION NO. 039-16**

**A RESOLUTION OF THE COUNCIL OF THE CITY OF  
BAKERSFIELD TO BECOME A GROUNDWATER  
SUSTAINABILITY AGENCY PURSUANT TO THE SUSTAINABLE  
GROUNDWATER MANAGEMENT ACT.**

**WHEREAS**, on September 16, 2014, the Sustainable Groundwater Management Act (SGMA) was signed into law by the Governor to provide for sustainable management of groundwater by providing local groundwater agencies with the authority to sustainably manage groundwater through the adoption of Groundwater Sustainability Plans; and

**WHEREAS**, Water Code Section 10723(a) authorizes local land use authorities, water suppliers, and certain other local agencies, or a combination of local agencies, overlying a groundwater basin to elect to become a Groundwater Sustainability Agency (GSA) for the basin; and

**WHEREAS**, the City of Bakersfield (City) is a local agency qualified to become a GSA because City manages water, has water supply, and has land use responsibilities over a portion of the Kern County Subbasin (Basin Number 5-22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin, a DWR-designated high-priority basin; and

**WHEREAS**, Kern Delta Water District ("Kern Delta") is also a local agency qualified to become a GSA because Kern Delta is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code and overlies a portion of the Kern County Subbasin just south of City; and

**WHEREAS**, Improvement District No. 4 ("ID4") is also a local agency qualified to become a GSA and overlies a portion of the Kern County Subbasin; and

**WHEREAS**, City held a public hearing on March 2, 2016, after publication of notice pursuant to Government Code Section 6066 to consider adoption of this Resolution; and

**WHEREAS**, City, Kern Delta, and ID4 will work collaboratively with other interested entities to form a GSA known as the Kern River Ground Water Sustainability Agency, which will cover the portion of the Kern County Subbasin as shown on the map included in **Exhibit "A"** attached hereto and incorporated herein; and



**WHEREAS**, adoption of this Resolution does not constitute a "Project" under the California Environmental Quality Act (CEQA) pursuant to 15060(c)(3) and 15378(b)(5) of the State CEQA Guidelines because it is an administrative action that does not result in any direct or indirect physical change in the environment.

**NOW THEREFORE, BE IT RESOLVED** by the Council of the City of Bakersfield as follows:

1. The above recitals and findings are true and correct.
2. That City of Bakersfield does hereby elect in concert with Kern Delta Water District and Improvement District No. 4 to become a Groundwater Sustainability Agency known as the Kern River Groundwater Sustainability Agency to cover the portion of DWR Basin No. 5-22.14 as shown on **Exhibit "A"** attached to this Resolution.
3. That City of Bakersfield, Kern Delta Water District and Improvement District No. 4 will work to develop the governing structure of the Kern River Groundwater Sustainability Agency, which may involve other entities in addition to the City of Bakersfield and Kern Delta Water District.
4. That the Kern River Groundwater Sustainability Agency hereby created shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans, as required by California Water Code Section 10723.2
5. That the Kern River Groundwater Sustainability Agency hereby created shall establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements, and availability of draft plans, maps, and other relevant documents, as required by California Water Code Section 10723.4.



- 6. That City of Bakersfield, Kern Delta Water District, and Improvement District No. 4 will jointly submit a notice of their decision to form the Kern River Groundwater Sustainability Agency for a portion of the Kern County Subbasin (Basin Number 5-22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin to DWR.

-----oOo-----

I **HEREBY CERTIFY** that the foregoing Resolution was passed and adopted by the Council of the City of Bakersfield at a regular meeting thereof held on MAR 30 2016, by the following vote:

<u>YES:</u>	COUNCIL MEMBER RIVERA, MAXWELL, WEIR, SMITH, HANSON, SULLIVAN, PARLIER
NOES:	COUNCIL MEMBER <u>None</u>
ABSTAIN:	COUNCIL MEMBER <u>None</u>
ABSENT:	COUNCIL MEMBER <u>None</u>

Roberta Gafford  
**ROBERTA GAFFORD, CMC**  
 CITY CLERK and Ex Officio Clerk of  
 the Council of the City of Bakersfield

APPROVED MAR 30 2016

By [Signature]  
**HARVEY L. HALL**  
 Mayor

APPROVED AS TO FORM:  
**VIRGINIA GENNARO**  
 City Attorney

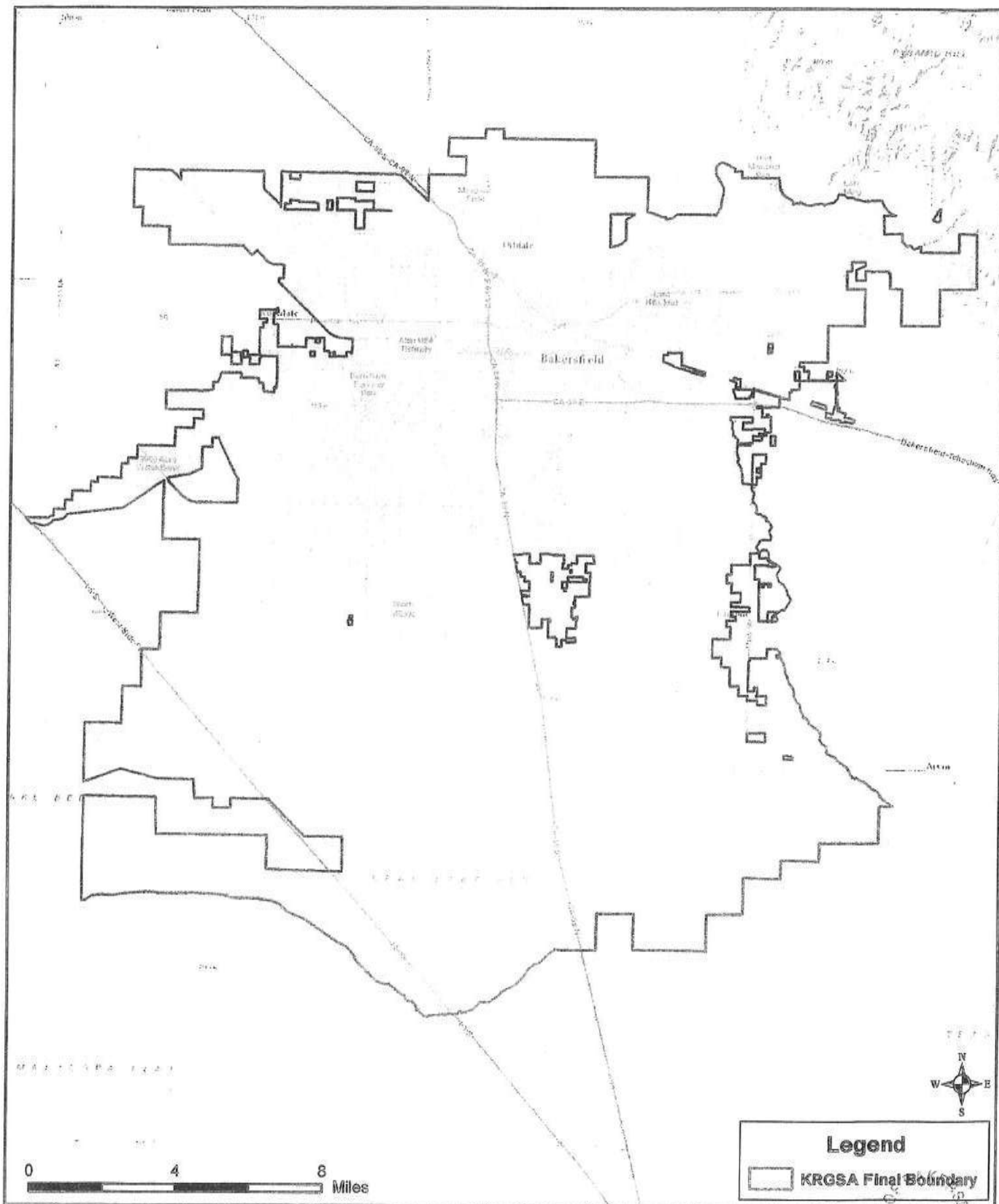
By [Signature]  
**VIRGINIA GENNARO**  
 City Attorney

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# Kern River Groundwater Sustainability Agency (GSA)

Approved Boundary as of March 30, 2016



BEFORE THE BOARD OF DIRECTORS  
OF THE  
KERN COUNTY WATER AGENCY

In the matter of:

AUTHORIZING IMPROVEMENT \*  
DISTRICT NO. 4 TO BECOME A \*  
GROUNDWATER SUSTAINABILITY \*  
AGENCY \*

I, Lucinda J. Infante, Secretary of the Board of Directors of the Kern County Water Agency, of the County of Kern, State of California, do hereby certify that the following resolution proposed by Director Lundquist, and seconded by Director Fast, was duly passed and adopted by said Board of Directors at an official meeting hereof this 31st day of March, 2016, by the following vote, to wit:

- Ayes: Lundquist, Fast, Wulff, Milobar, Cerro and Page
- Noes: None
- Absent: Hafenfeld

Lucinda J. Infante  
Secretary of the Board of Directors  
of the Kern County Water Agency

Resolution No. 11-16

WHEREAS, the Board of Directors (Board) of the Kern County Water Agency (Agency) is also empowered as the Board of the Agency Improvement District No. 4 (ID4); and

WHEREAS, on September 16, 2014, the Sustainable Groundwater Management Act (SGMA) was signed into law by the Governor to provide for sustainable management of groundwater by providing local groundwater agencies with the authority to sustainably manage groundwater through the adoption of





Groundwater Sustainability Plans; and

WHEREAS, Water Code section 10723 authorizes local land use authorities, water suppliers, and certain other local agencies, or a combination of local agencies, overlying a groundwater basin to elect to become a Groundwater Sustainability Agency (GSA) for the basin; and

WHEREAS, ID4 is a local agency qualified to become a GSA because ID4 is an Improvement District of the Kern County Water Agency formed to provide a supplemental water supply for the metropolitan Bakersfield area and overlies a portion of the Kern County Subbasin (Basin Number 5- 22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin, a DWR-designated high-priority basin; and

WHEREAS, the City of Bakersfield (City) is a local agency qualified to become a GSA because the City manages water, has a water supply, and has land use responsibilities over a portion of the Kern County Subbasin; and

WHEREAS, Kern Delta Water District (Kern Delta) is also a local agency qualified to become a GSA because Kern Delta is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code and overlies a portion of the Kern County Subbasin just south of the City; and

WHEREAS, the Agency, the City and Kern Delta will work collaboratively with other interested agencies to form a GSA known as the Kern River Groundwater Sustainability Agency, which will cover the portion of the Kern County Subbasin as shown on the map included in Exhibit A attached hereto and incorporated herein; and

WHEREAS, adoption of this Resolution does not constitute a "Project" under the California Environmental Quality Act (CEQA) pursuant to 15060(e)(3) and 15378(b)(5) of the State CEQA Guidelines because it is an administrative action that does not result in any direct or indirect physical change in the environment; and



NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Kern County Water Agency, acting as the Board of Directors of Improvement District No. 4, that:

1. The foregoing recitals are true and correct.
2. ID4 does hereby elect in concert with the City and Kern Delta to become a Groundwater Sustainability Agency known as the Kern River Groundwater Sustainability Agency to cover the portion of DWR Basin No. 5-22.14 as shown on Exhibit A.
3. ID4, the City and Kern Delta will work to develop the governing structure of the Kern River Groundwater Sustainability Agency, which may involve other entities in addition to ID4, the City and Kern Delta.
4. The Kern River Groundwater Sustainability Agency hereby created shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans, as required by California Water Code section 10723.2.
5. The Kern River Groundwater Sustainability Agency hereby created shall establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements and availability of draft plans, maps and other relevant documents, as required by California Water Code section 10723.4.
6. ID4, the City and Kern Delta will jointly submit a notice of their decision to form the Kern River Groundwater Sustainability Agency for a portion of the Kern County Subbasin.
7. The Agency Board President is authorized to execute the Memorandum of Understanding Forming the Kern River Groundwater Sustainability Agency as shown on Exhibit B.

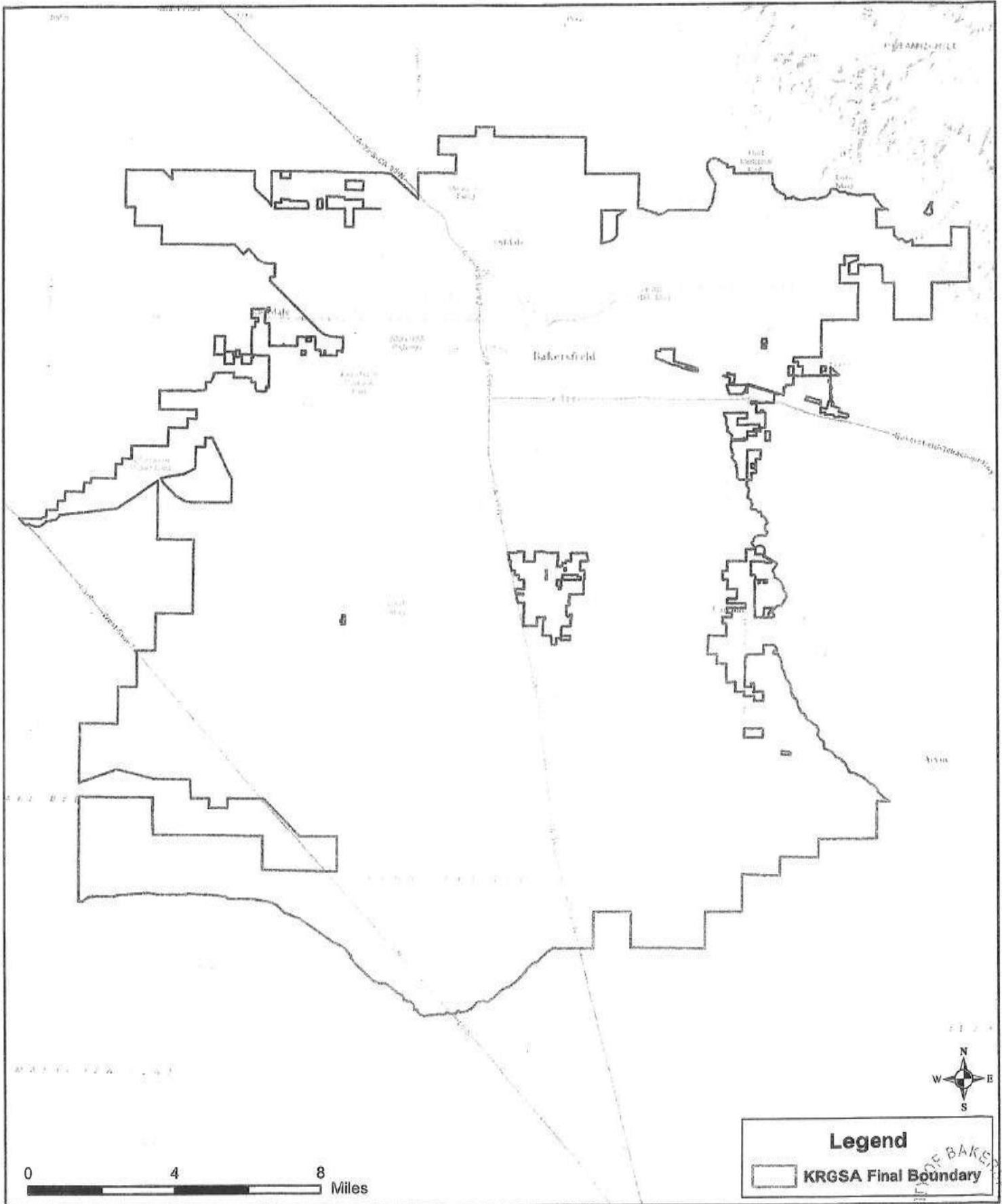


— FOR OFFICIAL USE ONLY —

# Kern River Groundwater Sustainability Agency (GSA)

Approved Boundary as of March 30, 2016

Exhibit A



\_\_\_\_\_

**MEMORANDUM OF UNDERSTANDING FORMING THE KERN  
RIVER GROUNDWATER SUSTAINABILITY AGENCY**

**THIS MEMORANDUM OF UNDERSTANDING** ("MOU") is made and entered into on \_\_\_\_\_, by and between the **CITY OF BAKERSFIELD**, a municipal corporation, ("CITY" herein), **KERN DELTA WATER DISTRICT** ("KERN DELTA" herein), and **KERN COUNTY WATER AGENCY on behalf of its IMPROVEMENT DISTRICT NO. 4**, ("ID4" herein), each a "Party" and collectively the "Parties."

**WHEREAS**, on September 16, 2014, Governor Jerry Brown signed into law Senate Bills 1168 and 1319 and Assembly Bill 1739, known collectively as the Sustainable Groundwater Management Act ("SGMA"); and

**WHEREAS**, the purpose of SGMA is to create a comprehensive management system in the State of California by creating structure to manage groundwater at the local level, while providing authority to the State to oversee and regulate, if necessary, the local groundwater management system; and

**WHEREAS**, SGMA empowers local agencies to adopt groundwater management plans that are tailored to the resources and needs of their communities to provide a buffer against drought and contribute to reliable water supply for the future; and

**WHEREAS**, Water Code Section 10723.6 authorizes a combination of local agencies overlying a groundwater basin to elect to become a Groundwater Sustainability Agency ("GSA") by using a memorandum of agreement or other legal agreement; and

**WHEREAS**, CITY is a local agency qualified to become a GSA because CITY manages water, has a water supply, and has land use responsibilities over a portion of the Kern County Sub-basin (Basin Number 5-22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin ("Basin"), a DWR-designated high-priority basin; and

**WHEREAS**, Kern Delta is also a local agency qualified to become a GSA because Kern Delta is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code, manages water, has a water supply and overlies a portion of the Basin just south of CITY; and

**WHEREAS**, ID4 is also a local agency qualified to become a GSA because ID4 is an improvement district of the Kern County Water Agency formed to provide a supplemental water supply for the metropolitan Bakersfield area and overlies a portion of the Basin; and

**WHEREAS**, on February 10, 2016, CITY and KERN DELTA entered into Agreement No. 10-009 to establish a working relationship with the goal of jointly forming a GSA; and

**WHEREAS**, CITY and KERN DELTA mutually agree to add ID4 as a Party to this MOU; and

**WHEREAS**, on March 1, 2016, KERN DELTA held a public hearing to determine whether to become a GSA, and on March 15, 2016, KERN DELTA adopted Resolution No. 2016-03 electing to jointly become a GSA with CITY and ID4, a copy of which is attached hereto as **Exhibit "A-1"**; and

**WHEREAS**, on March 2, 2016, CITY held a public hearing to determine whether to become a GSA and on March 30, 2016, CITY adopted Resolution No. 039-16, electing to jointly become a GSA with KERN DELTA and ID4, a copy of which is attached hereto as **Exhibit "A-2"**; and

**WHEREAS**, on March 31, 2016, ID4 held a public hearing to determine whether to become a GSA, and on March 31, 2016, ID4 adopted Resolution No. \_\_\_\_\_-16, electing to jointly become a GSA with CITY and KERN DELTA, a copy of which is attached hereto as **Exhibit "A-3"**; and

**WHEREAS**, CITY, KERN DELTA and ID4 will jointly submit a Notice of Decision to form and be the founding Parties of a GSA, which will cover the portion of the Basin as shown on the map in **Exhibit "B-1"** attached hereto and incorporated herein; and

**WHEREAS**, the Parties will work collaboratively with other interested agencies to develop and implement a Ground Water Sustainability Plan ("GSP") to sustainably manage the Basin pursuant to SGMA.

**NOW, THEREFORE**, incorporating the above recitals herein and exhibits attached, it is mutually understood and agreed as follows:

1. **PURPOSE.** This MOU is entered into by and between the Parties to facilitate a cooperative and ongoing working relationship that will allow compliance with SGMA and State law, both as amended from time to time.

2. **KERN RIVER GROUND WATER SUSTAINABILITY AGENCY.** The Parties hereby establish the Kern River Groundwater Sustainability Agency ("KRGSA") to manage the portion of the Basin as set forth in **Exhibit "B-1."**

**3. ADDITIONAL AGENCIES.** Additional agencies with service area boundaries outside the jurisdiction of the Parties may join and incorporate their service area boundaries or portions thereof into KRGSA upon the mutual consent of all Parties. The additional agencies will be added to **Exhibit "C-1,"** as amended from time to time in compliance with SGMA, and the boundaries of the KRGSA may be expanded accordingly.

**4. POWERS**

**4.1** In addition to any other action available to develop and implement SGMA, including a GSP, the KRGSA may perform the following functions:

**4.1.1** Adopt standards for measuring and reporting water use.

**4.1.2** Develop and implement policies designed to reduce or eliminate overdraft within the boundaries of the GSA.

**4.1.3** Develop and implement conservation best management practices.

**4.1.4** Develop and implement metering, monitoring and reporting related to groundwater pumping.

**5. DECISION MAKING PROCESS**

**5.1** With the exceptions noted herein, it is the intent of the Parties that all actions undertaken by the KRGSA are done by unanimous consent of the Parties; however, if unanimous consent is not possible, a majority vote of the Parties is required.

**5.2** In the event of an impasse or disagreement, the Parties shall use their best efforts to find a mutually agreeable result. To this effect, the Parties shall consult and negotiate with each other in good faith in an attempt to reach a solution that is mutually satisfactory. If the Parties do not reach a solution, then the matter shall be submitted to non-binding arbitration or mediation within a reasonable period of time.

**6. ROLES AND RESPONSIBILITIES OF THE PARTIES**

**6.1** The Parties will work jointly to fulfill the Purpose of this MOU, SGMA, and the development and implementation of a GSP within the boundaries of the KRGSA.

- 6.2 The Parties will meet regularly to discuss SGMA, GSP development and implementation activities, assignments, and ongoing work progress.
- 6.3 The Parties may form committees as necessary from time to time discuss issues that impact the KRGSA.
- 6.4 The CITY and ID4 are jointly responsible for implementing the GSP in areas of the KRGSA that are within both City limits and ID4 boundaries.
- 6.5 KERN DELTA is responsible for implementing the GSP in agricultural areas of the KRGSA within KERN DELTA's boundary.

7. **FUNDING.** Unless agreed to otherwise, each Party's participation in this MOU is at its sole cost and expense.

8. **TERM.** This MOU shall remain in effect unless terminated by the mutual written consent of the Parties and as allowed by State law.

9. **AMENDING THE MOU.** This MOU and Exhibits hereto may only be amended by a subsequent writing, approved and signed by all Parties.

10. **HOLD HARMLESS.** No Party, nor any officer or employee of a Party, shall be responsible for any damage or liability occurring by reason of anything done or omitted to be done by another Party under or in connection with this MOU.

APPROVED AS TO CONTENT:  
CITY OF BAKERSFIELD

APPROVED AS TO CONTENT:  
KERN DELTA WATER DISTRICT

By: \_\_\_\_\_  
**HARVEY L. HALL**  
Mayor

By: \_\_\_\_\_  
**RODNEY PALLA**  
Board President

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

**WATER BOARD**

**KERN DELTA WATER DISTRICT**

By: \_\_\_\_\_  
**HAROLD HANSON**  
Water Board Chair

By: \_\_\_\_\_  
**L. MARK MULKAY**  
General Manager

Additional Signatures on Following Page



**WATER RESOURCES DEPARTMENT**

APPROVED AS TO FORM:

By: \_\_\_\_\_

**ART CHIANELLO**  
Water Resources Manager

By: \_\_\_\_\_

**GENE R. McMURTREY**  
Attorneys for Kern Delta Water  
District

APPROVED AS TO FORM:

**VIRGINIA GENNARO**  
City Attorney

APPROVED AS TO CONTENT:  
**IMPROVEMENT DISTRICT 4**

By: \_\_\_\_\_

**VIRGINIA GENNARO**  
City Attorney

By: \_\_\_\_\_

**TED R. PAGE**  
Board President

COUNTERSIGNED:

APPROVED AS TO FORM:

By: \_\_\_\_\_

**NELSON SMITH**  
Finance Director

By: \_\_\_\_\_

**AMELIA T. MINABERRIGARAI**  
General Counsel





**BEFORE THE BOARD OF DIRECTORS OF  
THE KERN DELTA WATER DISTRICT**

**RESOLUTION NO. 2016-03**

**IN THE MATTER OF:**

**KERN DELTA WATER DISTRICT DECISION TO BECOME A GROUNDWATER  
SUSTAINABILITY AGENCY PURSUANT TO THE SUSTAINABLE GROUNDWATER  
MANAGEMENT ACT**

**WHEREAS**, the California legislature passed a statewide framework for sustainable groundwater management, known as the Sustainable Groundwater Management Act (California Water Code § 10720 et seq.) pursuant to Senate Bill 1168, Senate Bill 1319, and Assembly Bill 1739, which was approved by the Governor and Chaptered by the Secretary of State on September 16, 2014; and

**WHEREAS**, pursuant to the Sustainable Groundwater Management Act, sustainable groundwater management is intended to occur pursuant to Groundwater Sustainability Plans that are created and adopted by Groundwater Sustainability Agencies; and

**WHEREAS**, pursuant to California Water Code §10723(a), a Local Agency or combination of Local Agencies, as defined in California Water Code §10721(n), may decide to become or form a Groundwater Sustainability Agency; and

**WHEREAS**, Kern Delta Water District ("District") is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code (commencing with Water Code §34000) and overlies a portion of the Kern County Subbasin of the San Joaquin Valley Groundwater Basin portion of the Tulare Lake Hydrologic Region, as defined in Bulletin 118 of the California Department of Water Resources and is therefore a "Local Agency" as defined within California Water Code 10721 (n); and

**WHEREAS**, the City of Bakersfield (City) is a local public agency that manages water, has a water supply, and has land use responsibilities, and is therefore a "Local Agency" as defined within California Water Code 10721 (n); and

**WHEREAS**, the District desires to form a Groundwater Sustainability Agency which may include the City of Bakersfield and other Local Agencies, and which may also include the participation of certain water corporations regulated by the Public Utilities Commission and mutual water companies, as authorized pursuant to Water Code 10723.6 (b); and

**WHEREAS**, the District held a public hearing on Tuesday March 1, 2016 pursuant to California Water Code section §10723(b), after publication of notice of such hearing pursuant to California Government Code section §6066; and

**WHEREAS**, at the public hearing, the Kern Delta Water District Board of Directors considered oral and written comments to the extent provided by the public; and

**WHEREAS**, it would be in the best interests of the District to form a Groundwater Sustainability Agency, which may include the City of Bakersfield and other Local Agencies and which may include the participation of various legally authorized entities.

**NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:**

1. That the foregoing is true and correct.
2. That Kern Delta Water District herein decides to form a Groundwater Sustainability Agency which may include the City of Bakersfield and other local agencies, and which may include the participation of legally authorized entities, and which shall have all the powers granted to a groundwater sustainability agency pursuant to the Sustainable Groundwater Management Act.
3. That the portion of the groundwater basin that the herein formed Groundwater Sustainability Agency shall manage shall be that portion of the basin as depicted in the notification provided to the Department of Water Resources pursuant to California Water Code 10723.8, and which boundary may be modified from time to time.
4. That the groundwater sustainability agency hereby created shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans, as required by California Water Code section §10723.2.
5. That the groundwater sustainability agency hereby created shall establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements, and availability of draft plans, maps, and other relevant documents, as required by California Water Code section §10723.4.
6. That the General Manager of Kern Delta Water District shall be authorized to execute a memorandum of agreement or other legal agreement(s) with other local agencies and legally authorized entities pursuant to Water Code §10723.6(a), as deemed appropriate by the General Manager, and cause notice to be given to the California Department of Water Resources of the decision of Kern Delta Water District to create the above referenced Groundwater Sustainability Agency.



ALL THE FOREGOING being on the motion of Director Frick, seconded by Director Tillema and authorized by the following vote, namely:


AYES: Antongiovanni, Bidart, Collins, Frick, Garone, Kaiser, Palla, Tillema

NOES: None

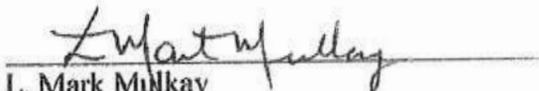
ABSENT: None

ABSTAIN: None

I HEREBY CERTIFY that the foregoing resolution is the resolution of the Kern Delta Water District as duly passed and adopted by its Board of Directors at a legally convened meeting held on the 15<sup>th</sup> day of March, 2016.

  
\_\_\_\_\_  
Rodney Palla  
Board President of Directors  
KERN DELTA WATER DISTRICT

ATTESTED:

  
\_\_\_\_\_  
L. Mark Mulkay  
Assistant Secretary of the Board of Directors  
KERN DETLA WATER DISTRICT

CITY OF BAKERSFIELD  
ORIGINAL

**RESOLUTION NO. \_\_\_\_\_****A RESOLUTION OF THE COUNCIL OF THE CITY OF BAKERSFIELD TO BECOME A GROUNDWATER SUSTAINABILITY AGENCY PURSUANT TO THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT.**

**WHEREAS**, on September 16, 2014, the Sustainable Groundwater Management Act (SGMA) was signed into law by the Governor to provide for sustainable management of groundwater by providing local groundwater agencies with the authority to sustainably manage groundwater through the adoption of Groundwater Sustainability Plans; and

**WHEREAS**, Water Code Section 10723(a) authorizes local land use authorities, water suppliers, and certain other local agencies, or a combination of local agencies, overlying a groundwater basin to elect to become a Groundwater Sustainability Agency (GSA) for the basin; and

**WHEREAS**, the City of Bakersfield (City) is a local agency qualified to become a GSA because City manages water, has water supply, and has land use responsibilities over a portion of the Kern County Subbasin (Basin Number 5-22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin, a DWR-designated high-priority basin; and

**WHEREAS**, Kern Delta Water District ("Kern Delta") is also a local agency qualified to become a GSA because Kern Delta is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code and overlies a portion of the Kern County Subbasin just south of City; and

**WHEREAS**, Improvement District No. 4 ("ID4") is also a local agency qualified to become a GSA and overlies a portion of the Kern County Subbasin; and

**WHEREAS**, City held a public hearing on March 2, 2016, after publication of notice pursuant to Government Code Section 6066 to consider adoption of this Resolution; and

**WHEREAS**, City, Kern Delta, and ID4 will work collaboratively with other interested entities to form a GSA known as the Kern River Ground Water Sustainability Agency, which will cover the portion of the Kern County Subbasin as shown on the map included in **Exhibit "A"** attached hereto and incorporated herein; and

**WHEREAS**, adoption of this Resolution does not constitute a "Project" under the California Environmental Quality Act (CEQA) pursuant to 15060(c)(3) and 15378(b)(5) of the State CEQA Guidelines because it is an administrative action that does not result in any direct or indirect physical change in the environment.

**NOW THEREFORE, BE IT RESOLVED** by the Council of the City of Bakersfield as follows:

1. The above recitals and findings are true and correct.
2. That City of Bakersfield does hereby elect in concert with Kern Delta Water District and Improvement District No. 4 to become a Groundwater Sustainability Agency known as the Kern River Groundwater Sustainability Agency to cover the portion of DWR Basin No. 5-22.14 as shown on **Exhibit "A"** attached to this Resolution.
3. That City of Bakersfield, Kern Delta Water District and Improvement District No. 4 will work to develop the governing structure of the Kern River Groundwater Sustainability Agency, which may involve other entities in addition to the City of Bakersfield and Kern Delta Water District.
4. That the Kern River Groundwater Sustainability Agency hereby created shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans, as required by California Water Code Section 10723.2
5. That the Kern River Groundwater Sustainability Agency hereby created shall establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements, and availability of draft plans, maps, and other relevant documents, as required by California Water Code Section 10723.4.
6. That City of Bakersfield, Kern Delta Water District, and Improvement District No. 4 will jointly submit a notice of their decision to form the Kern River Groundwater Sustainability Agency for a portion of the



Kern County Subbasin (Basin Number 5-22.14, DWR Bulletin 118)  
within the San Joaquin Valley Groundwater Basin to DWR.

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**I HEREBY CERTIFY** that the foregoing Resolution was passed and adopted  
by the Council of the City of Bakersfield at a regular meeting thereof held on  
\_\_\_\_\_, by the following vote:

YES:	COUNCIL MEMBER RIVERA, MAXWELL, WEIR, SMITH, HANSON, SULLIVAN, PARLIER
NOES:	COUNCIL MEMBER _____
ABSTAIN:	COUNCIL MEMBER _____
ABSENT:	COUNCIL MEMBER _____

\_\_\_\_\_  
**ROBERTA GAFFORD, CMC**  
 CITY CLERK and Ex Officio Clerk of  
 the Council of the City of Bakersfield

APPROVED \_\_\_\_\_

By \_\_\_\_\_  
**HARVEY L. HALL**  
 Mayor

APPROVED AS TO FORM:  
**VIRGINIA GENNARO**  
 City Attorney

By \_\_\_\_\_  
**VIRGINIA GENNARO**  
 City Attorney

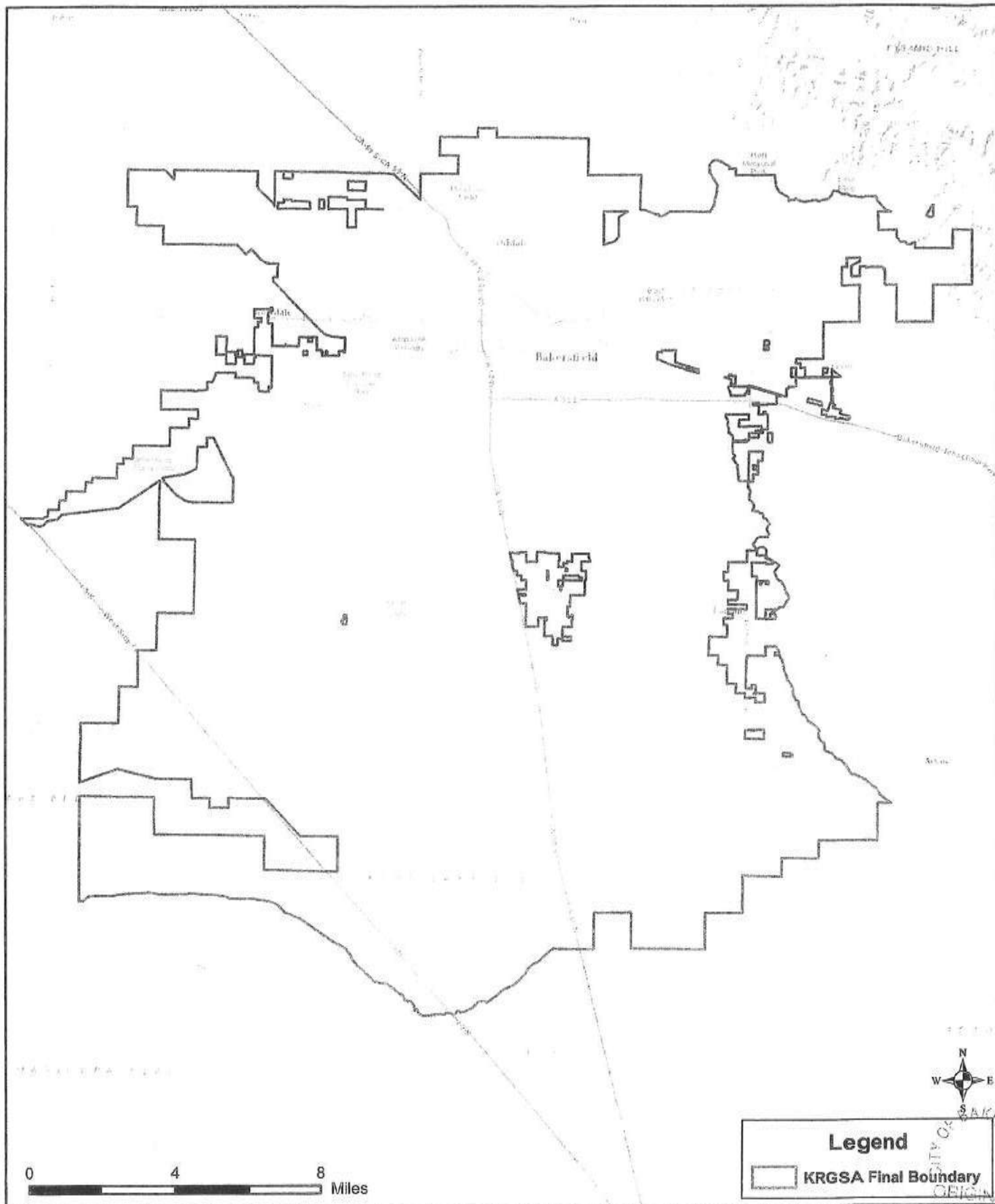
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# Kern River Groundwater Sustainability Agency (GSA)

Approved Boundary as of March 30, 2016

Exhibit B-1



**EXHIBIT C-1**

**ADDITIONAL AGENCIES**

The agencies identified below hereby agree to join and incorporate their service area boundaries, or portion thereof, into the Kern River Ground Water Sustainability Agency ("KRGSA") as shown on the maps attached as Exhibit "B".

**EAST NILES COMMUNITY SERVICE DISTRICT**

By: \_\_\_\_\_  
**TIMOTHY P. RUIZ**  
GENERAL MANAGER

**OILDALE MUTUAL WATER COMPANY  
/NORTH OF THE RIVER MUNICIPAL WATER DISTRICT**

By: \_\_\_\_\_  
**DOUG NUNNELEY**  
General Manager

BY WATERBURY AND ASSOCIATES, P.C.

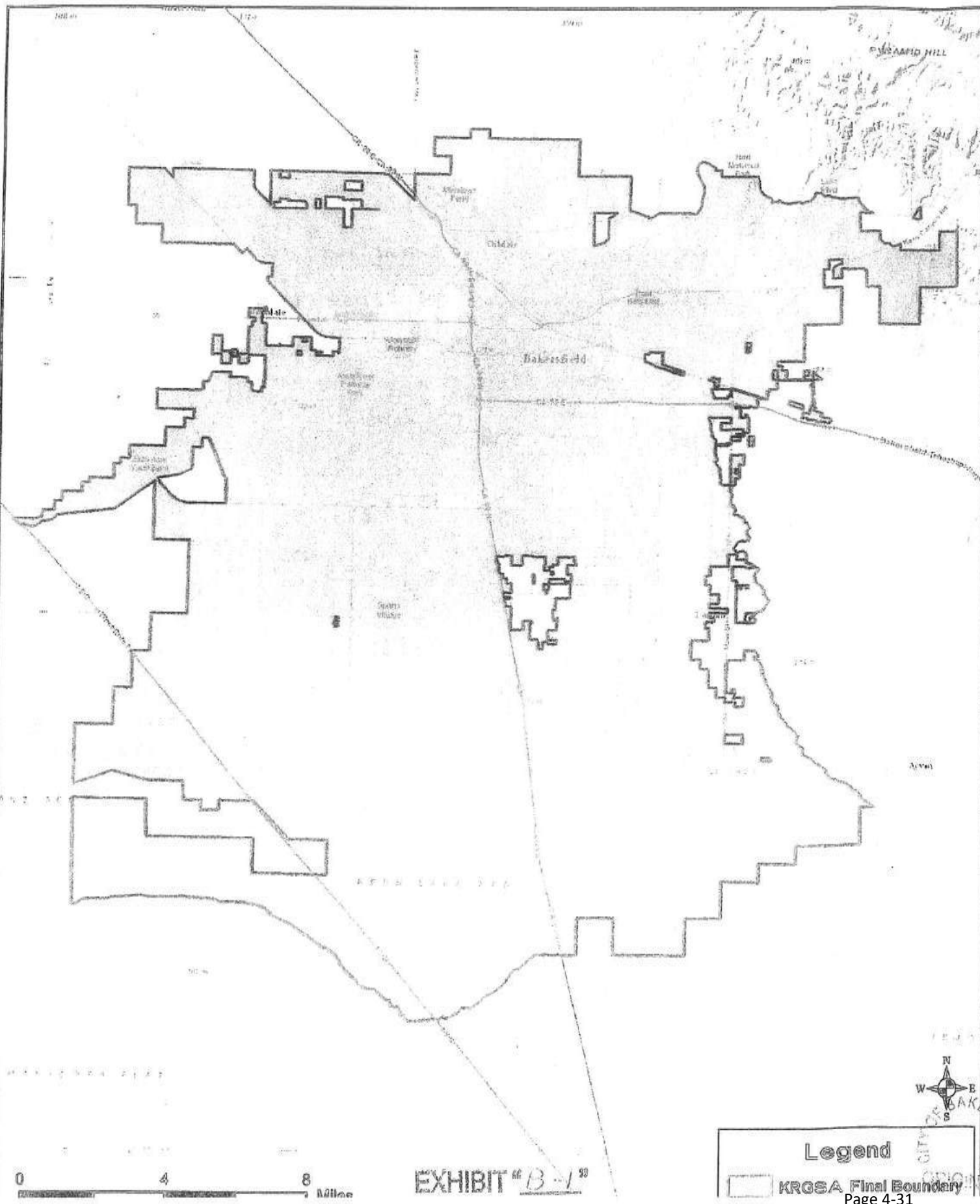




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# Kern River Groundwater Sustainability Agency (GSA)

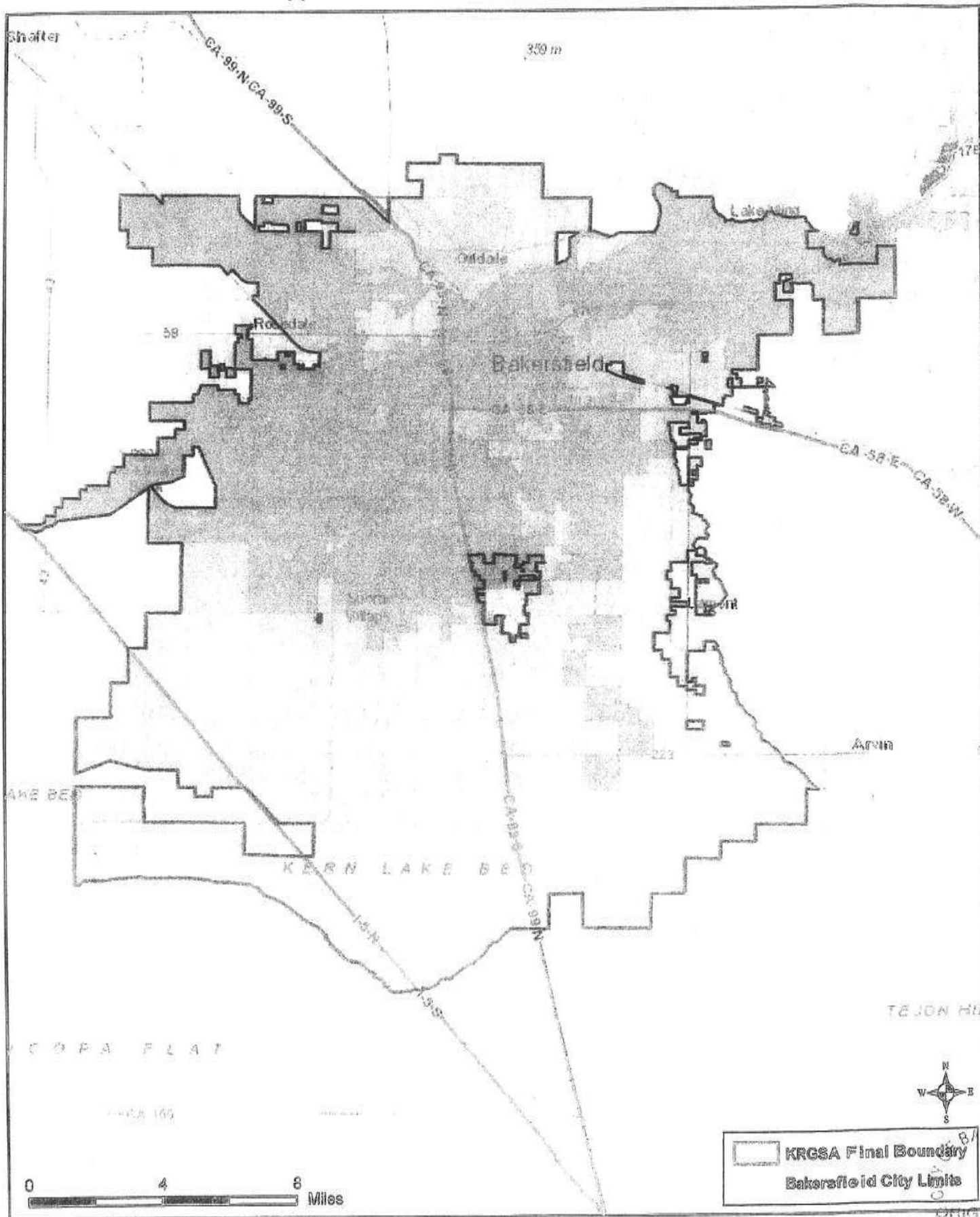
Approved Boundary as of March 30, 2016



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# Kern River Groundwater Sustainability Agency (GSA)

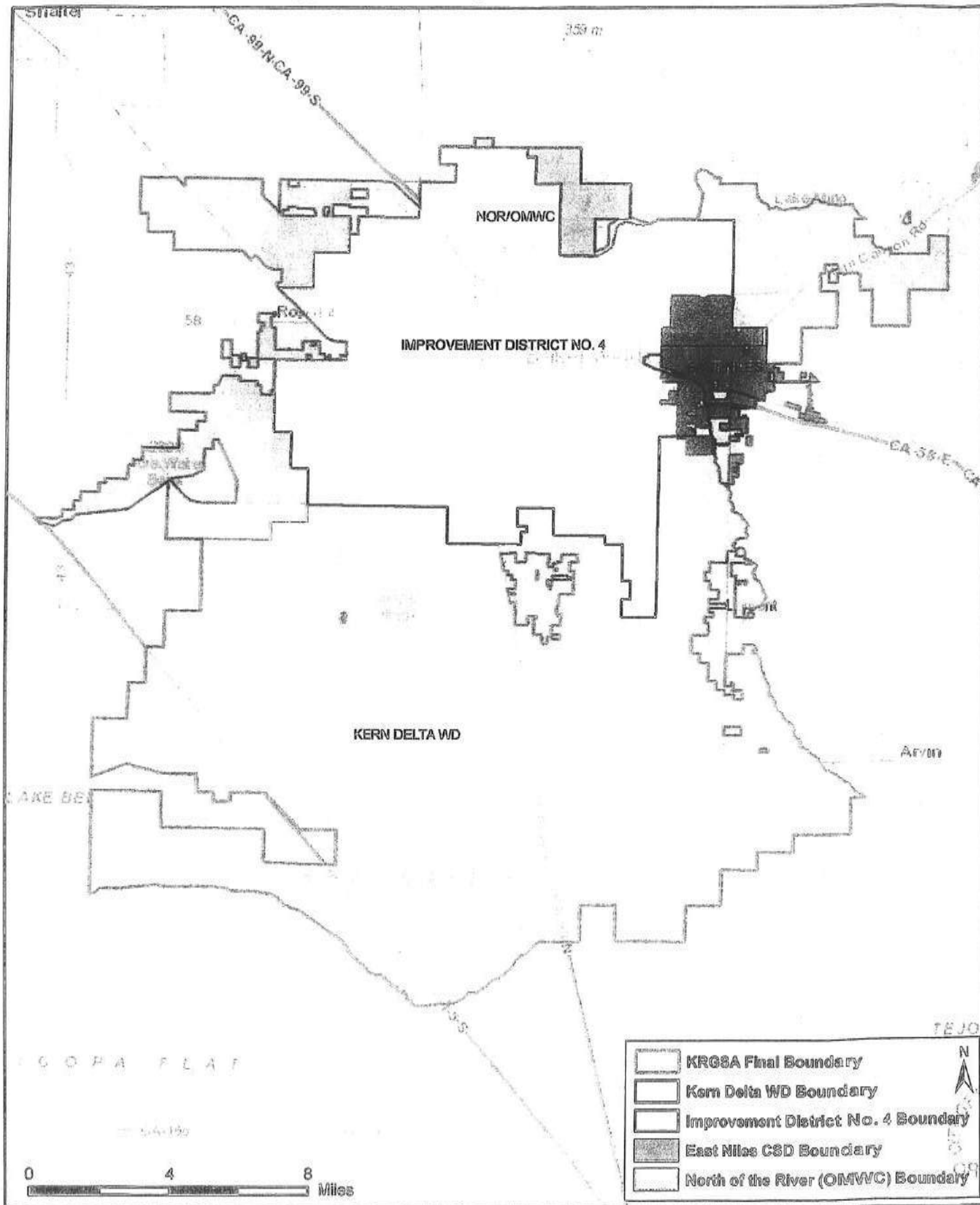
Approved Boundary as of March 30, 2016



— FOR OFFICIAL USE ONLY —

# Kern River Groundwater Sustainability Agency (GSA)

Approved Boundary as of March 30, 2016




## EXHIBIT C-1

### ADDITIONAL AGENCIES

The agencies identified below hereby agree to join and incorporate their service area boundaries, or portion thereof, into the Kern River Ground Water Sustainability Agency ("KRGSA") as shown on the maps attached as Exhibit "B".

#### EAST NILES COMMUNITY SERVICE DISTRICT

By:   
TIMOTHY P. RUIZ  
GENERAL MANAGER

#### OILDALE MUTUAL WATER COMPANY /NORTH OF THE RIVER MUNICIPAL WATER DISTRICT

By:   
DOUG NUNNELEY  
General Manager

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**EXHIBIT 5**

**SUPPORTING DOCUMENTS FOR ENTITIES ALSO JOINING THE KERN RIVER GSA**

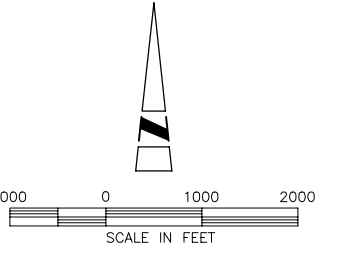
**INCLUDING:**

**DOCUMENTS FROM**

**(A) EAST NILES COMMUNITY SERVICES DISTRICT**

**(B) NORTH OF THE RIVER MUNICIPAL WATER DISTRICT**

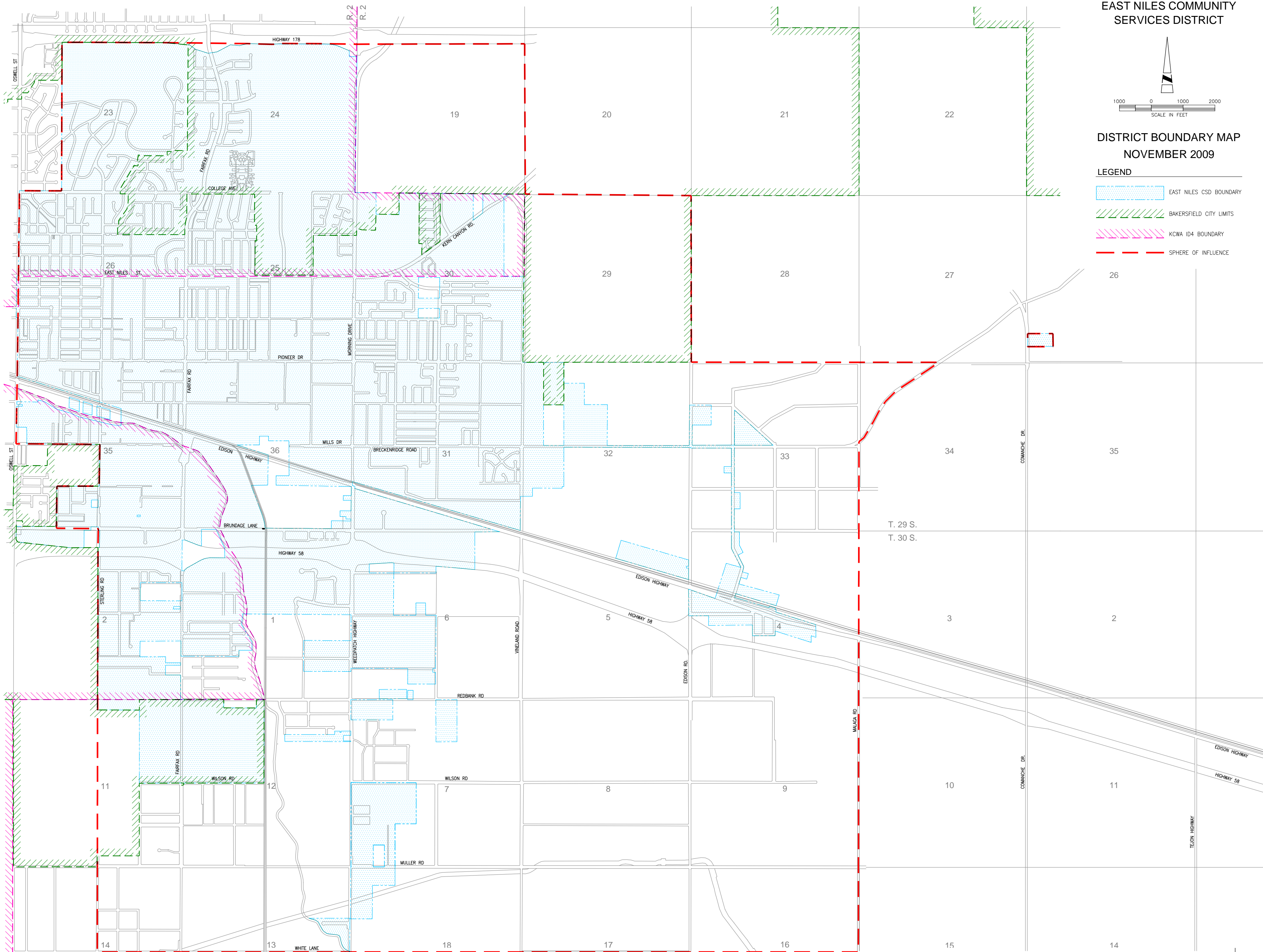
EAST NILES COMMUNITY SERVICES DISTRICT



DISTRICT BOUNDARY MAP  
NOVEMBER 2009

LEGEND

- EAST NILES CSD BOUNDARY
- BAKERSFIELD CITY LIMITS
- KCWA ID4 BOUNDARY
- SPHERE OF INFLUENCE



DATE: 11/18/09  
 DRAWN BY: J. HARRIS  
 CHECKED BY: J. HARRIS  
 PROJECT: EAST NILES COMMUNITY SERVICES DISTRICT  
 SHEET: 5-A  
 SCALE: AS SHOWN  
 DATE: 11/18/09  
 DRAWN BY: J. HARRIS  
 CHECKED BY: J. HARRIS  
 PROJECT: EAST NILES COMMUNITY SERVICES DISTRICT  
 SHEET: 5-A  
 SCALE: AS SHOWN

**BEFORE THE BOARD OF DIRECTORS OF  
THE EAST NILES COMMUNITY SERVICES DISTRICT**

**RESOLUTION NO. 2016-04**

**EAST NILES COMMUNITY SERVICES DISTRICT DECISION TO FORM AND  
PARTICIPATE IN A GROUNDWATER SUSTAINABILITY AGENCY PURSUANT TO  
THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT**

**WHEREAS**, the California legislature passed a statewide framework for sustainable groundwater management, known as the Sustainable Groundwater Management Act (California Water Code § 10720 et seq.) pursuant to Senate Bill 1168, Senate Bill 1319, and Assembly Bill 1739, which was approved by the Governor and Chaptered by the Secretary of State on September 16, 2014; and

**WHEREAS**, pursuant to the Sustainable Groundwater Management Act, sustainable groundwater management is intended to occur pursuant to Groundwater Sustainability Plans that are created and adopted by Groundwater Sustainability Agencies; and

**WHEREAS**, pursuant to California Water Code §10723(a), a Local Agency or combination of Local Agencies, as defined in California Water Code §10721(n), may decide to become or form a Groundwater Sustainability Agency; and

**WHEREAS**, East Niles Community Services District (“District”) is a Community Services District formed and operating pursuant to and in accordance with the Community Services District Law, (commencing with Government Code §61000) and overlies a portion of the Kern County Subbasin of the San Joaquin Valley Groundwater Basin portion of the Tulare Lake Hydrologic Region, as defined in Bulletin 118 of the California Department of Water Resources and is therefore a “Local Agency” as defined within California Water Code 10721 (n); and

**WHEREAS**, Kern Delta Water District (“Kern Delta”) is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code (commencing with Water Code §34000) and is a “Local Agency” as defined within California Water Code 10721 (n); and

**WHEREAS**, the City of Bakersfield (City) is a local public agency that manages water, has a water supply, and has land use responsibilities, and is therefore a “Local Agency” as defined within California Water Code 10721 (n); and

**WHEREAS**, the District desires to form and participate in a Groundwater Sustainability Agency which may include Kern Delta, the City of Bakersfield, other Local Agencies, and which may also include the participation of certain water corporations regulated by the Public Utilities Commission and mutual water companies, as authorized pursuant to Water Code 10723.6 (b); and

**WHEREAS**, the District held a public hearing on Monday, March 21, 2016 pursuant to California Water Code section §10723(b), after publication of notice of such hearing pursuant to California Government Code section §6066; and

**WHEREAS**, at the public hearing, the East Niles Community Services District Board of Directors considered oral and written comments to the extent provided by the public; and

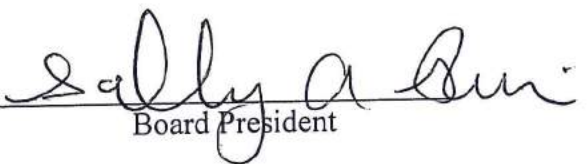
**WHEREAS**, it would be in the best interests of the District to form a Groundwater Sustainability Agency, which is ultimately intended to include Kern Delta Water District, the City of Bakersfield, and perhaps other Local Agencies, and which may also include the participation of various legally authorized entities.

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. That the foregoing is true and correct.
2. That the East Niles Community Services District herein decides to form a Groundwater Sustainability Agency which will include all or part of Kern Delta Water District, the City of Bakersfield, and other local agencies, and which may also include the participation of other legally authorized entities, and which shall have all the powers granted to a groundwater sustainability agency pursuant to the Sustainable Groundwater Management Act.
3. That the portion of the groundwater basin that the herein formed Groundwater Sustainability Agency shall manage shall be that portion of the basin as depicted in the notification provided to the Department of Water Resources pursuant to California Water Code 10723.8, and which boundary may be modified from time to time.
4. That the groundwater sustainability agency hereby created shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans, as required by California Water Code section §10723.2.
5. That the groundwater sustainability agency hereby created shall establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements, and availability of draft plans, maps, and other relevant documents, as required by California Water Code section §10723.4.
6. That the General Manager of East Niles Community Services District shall be authorized to execute a memorandum of agreement or other legal agreement(s) with other local agencies and legally authorized entities pursuant to Water Code §10723.6(a), as deemed appropriate by the General Manager, and cause notice to be given to the California Department of Water Resources of the decision of East Niles Community Services District to create and participate in the above referenced Groundwater Sustainability Agency.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the East Niles Community Services District held on the 21st day of March 2016, by the following vote, to wit:

AYES: Directors Harger, McCalla, Powell and Ruiz  
 NOES: None  
 ABSENT: Director Mayberry  
 ABSTAIN: None

  
 Board President

ATTESTED:

  
 Board Secretary



**EAST NILES COMMUNITY SERVICES DISTRICT  
NOTICE OF PUBLIC HEARING**

**NOTICE IS HEREBY GIVEN that, pursuant to California Water Code section 10723 (b), East Niles Community Services District (District) will hold a public hearing on Monday March 21, 2016 at the hour of 5:30 p.m., at the District offices located at 1417 Vale Street, Bakersfield, California to consider and determine whether the District shall decide to become a Groundwater Sustainability Agency and/or to consider and determine whether the District will form a Groundwater Sustainability Agency with one or more other local agencies and water purveyors, for a portion of the Kern County Subbasin of the Tulare Lake Groundwater Basin. Written comments should be submitted to the District, to the attention of Timothy P. Ruiz, District Manager no later than 5:00 p.m. on Monday, March 21, 2016. During the hearing, the District will receive oral and written comments before making a decision.**





# *North of the River Municipal Water District*

PO Box 5836 – Bakersfield, CA - 93388  
 (661) 399-5516 office / (661) 399-5598 fax

## RESOLUTION No. 2016-2

### NORTH OF THE RIVER MUNICIPAL WATER DISTRICT DECISION TO FORM AND PARTICIPATE IN A GROUNDWATER SUSTAINABILITY AGENCY PURSUANT TO THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT

- WHEREAS,** the California legislature passed a statewide framework for sustainable groundwater management, known as the Sustainable Groundwater Management Act (California Water Code sections 10720 et seq.) pursuant to Senate Bill 1168, Senate Bill 1319, and Assembly Bill 1739, which was approved by the Governor and Chaptered by the Secretary of State on September 16, 2014; and
- WHEREAS,** pursuant to the Sustainable Groundwater Management Act, sustainable groundwater management is intended to occur pursuant to Groundwater Sustainability Plans that are created and adopted by Groundwater Sustainability Agencies; and
- WHEREAS,** pursuant to California Water Code section 10723(a), a Local Agency or combination of Local Agencies, as defined in California Water Code section 10721(n), may decide to become or form a Groundwater Sustainability Agency; and
- WHEREAS,** North of the River Municipal Water District ("District") is a local agency qualified to become a GSA because the District manages water and has a water supply in a portion of the Kern County Sub-basin (Basin Number 5-22.14, DWR Bulletin 118) within the San Joaquin Valley Groundwater Basin, a DWR-designated high-priority basin and is therefore a "Local Agency" as defined within California Water Code section 10721(n); and
- WHEREAS,** Kern Delta Water District ("Kern Delta") is a California Water District formed and operating pursuant to and in accordance with Division 13 of the California Water Code (commencing with Water Code section 34000) and is a "Local Agency" as defined within California Water Code section 10721(n); and
- WHEREAS,** the City of Bakersfield ("City") is a local public agency that manages water, has a water supply, and has land use responsibilities, and is therefore a "Local Agency" as defined within California Water Code section 10721(n); and
- WHEREAS,** Improvement District No. 4 of the Kern County Water Agency ("ID4") is also a local agency qualified to become a GSA and overlies a portion of the Kern County Sub-basin and is therefore a "Local Agency" as defined within California Water Code section 10721(n); and
- WHEREAS,** the District desires to form and participate in a Groundwater Sustainability Agency which may include Kern Delta, the City of Bakersfield, ID4, other Local Agencies, and which may also include the participation of certain water corporations regulated by the Public Utilities Commission and mutual water companies, as authorized pursuant to Water Code section 10723.6(b); and

**WHEREAS,** the District held a public hearing on Wednesday, April 6, 2016 pursuant to California Water Code section 10723(b), after publication of notice of such hearing pursuant to California Government Code section 6066; and

**WHEREAS,** at the public hearing, the North of the River Municipal Water District Board of Directors considered oral and written comments to the extent provided by the public; and

**WHEREAS,** it would be in the best interests of the District to participate in a Groundwater Sustainability Agency, which is ultimately intended to include Kern Delta Water District, the City of Bakersfield, and ID4, and perhaps other Local Agencies, and which may also include the participation of various legally authorized entities.

**NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:**

1. That the foregoing is true and correct.
2. That the North of the River Municipal Water District herein decides to participate in a Groundwater Sustainability Agency which will include all or part of Kern Delta Water District, the City of Bakersfield, ID4, and other local agencies, and which may also include the participation of other legally authorized entities, and which shall have all the powers granted to a groundwater sustainability agency pursuant to the Sustainable Groundwater Management Act.
3. That the portion of the groundwater basin that the herein formed Groundwater Sustainability Agency shall manage shall be that portion of the basin as stated in the notification provided to the Department of Water Resources pursuant to California Water Code section 10723.8, the map provided at the public hearing, and which boundary may be modified from time to time.
4. That the groundwater sustainability agency hereby created shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans, as required by California Water Code section 10723.2.
5. That the groundwater sustainability agency hereby created shall establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements, and availability of draft plans, maps, and other relevant documents, as required by California Water Code section 10723.4.
6. That the General Manager of North of the River Municipal Water District shall be authorized to execute a memorandum of agreement or other legal agreement(s) with other local agencies and legally authorized entities pursuant to Water Code section 10723.6(a), as deemed appropriate by the General Manager, and may consent to the City of Bakersfield or Kern Delta to provide notice to the California Department of Water Resources of the decision of the North of the River Municipal Water District to participate in the above referenced Groundwater Sustainability Agency.
7. Consistent with the Sustainable Groundwater Management Act and in particular Water Code section 10720.5(b), the District's participation in the above-referenced Groundwater Sustainability Agency shall not determine or alter in any manner the District's or its constituents' surface water or groundwater rights or otherwise modify the District's powers and authorities under applicable law.

**PASSED AND ADOPTED** at a regular meeting of the Board of Directors of the North of the River Municipal Water District held on the 6th day of April 2016, by the following vote, to wit:

**AYES:** Directors: Etcheverry, Tyack, Hupp, Barnes and Enos

**NOES:** None

**ABSENT:** None

**ABSTAIN:** None

  
\_\_\_\_\_  
Board President

**ATTESTED:**

  
\_\_\_\_\_  
Board Secretary

**North of the River Municipal Water District  
Notice of Public Hearing**

Notice is hereby given pursuant to California Water Code Section 10723 (b) and California Gov. Code Section 6066 that a Public Hearing with the North of the River Municipal Water District ("NOR") Board of Directors will be held on April 6, 2016 at 4:30 p.m. at 2836 McCray Street, Bakersfield, CA 93308. The purpose of the hearing is to hear public comments regarding a proposed NOR Groundwater Sustainability Agency ("GSA") or become a GSA under the Sustainable Groundwater Management Act of 2014 for certain portions of the Kern County Sub-basin lying within the service area.

# PROOF OF PUBLICATION

The BAKERSFIELD CALIFORNIAN  
P.O. BOX 440  
BAKERSFIELD, CA 93302

YOUNG WOOLRIDGE/LEGAL  
1800 30TH AVE 4TH FLR  
BAKERSFIELD, CA 93301

Ad Number: 14105292 PO #: 11856-33  
Edition: 1TBC Run Times 2  
Class Code Legal Notices  
Start Date 3/23/2016 Stop Date 3/30/2016  
Billing Lines 22 Inches 132.92  
Total Cost \$ 178.42 Account 1YOU09  
Billing YOUNG WOOLRIDGE/LEGAL  
Address 1800 30TH AVE 4TH FLR  
BAKERSFIELD,CA 93301

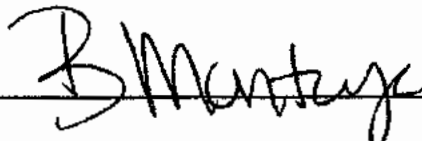
STATE OF CALIFORNIA  
COUNTY OF KERN

I AM A CITIZEN OF THE UNITED STATES AND A RESIDENT OF THE COUNTY AFORESAID: I AM OVER THE AGE OF EIGHTEEN YEARS, AND NOT A PARTY TO OR INTERESTED IN THE ABOVE ENTITLED MATTER. I AM THE ASSISTANT PRINCIPAL CLERK OF THE PRINTER OF THE BAKERSFIELD CALIFORNIAN, A NEWSPAPER OF GENERAL CIRCULATION, PRINTED AND PUBLISHED DAILY IN THE CITY OF BAKERSFIELD COUNTY OF KERN,

AND WHICH NEWSPAPER HAS BEEN ADJUDGED A NEWSPAPER OF GENERAL CIRCULATION BY THE SUPERIOR COURT OF THE COUNTY OF KERN, STATE OF CALIFORNIA, UNDER DATE OF FEBRUARY 5, 1952, CASE NUMBER 57610; THAT THE NOTICE, OF WHICH THE ANNEXED IS A PRINTED COPY, HAS BEEN PUBLISHED IN EACH REGULAR AND ENTIRE ISSUE OF SAID NEWSPAPER AND NOT IN ANY SUPPLEMENT THEREOF ON THE FOLLOWING DATES, TO WIT: 3/23/16  
3/30/16

ALL IN YEAR 2016

I CERTIFY (OR DECLARE) UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.



DATED AT BAKERSFIELD CALIFORNIA

3/30/16

Solicitor I.D.: 0

First Text  
NOTICE OF PUBLIC HEARING NORTH OF THE RI

Ad Number 14105292

NOTICE OF PUBLIC HEARING NORTH OF THE RIVER MUNICIPAL WATER DISTRICT  
Notice is hereby given pursuant to California Water Code Section 107230a and California Gov. Code Section 6066 that a Public Hearing with the North of the River Municipal Water District (NOR) Board of Directors will be held on April 6, 2016 at 4:30 p.m. at 2835 McCray Street, Bakersfield, CA 93308. The purpose of the hearing is to hear public comments regarding a proposed NOR Groundwater Sustainability Agency ("GSA") or NOR combining with other public agencies to become a GSA under the Sustainable Groundwater Management Act of 2014 for certain portions of the Kern County Sub-basin lying within its service areas.  
March 23, 30, 2016  
(14105292)

## EXHIBIT 6

### LIST OF INTERESTED PARTIES

Pursuant to Water Code Section 10723.2: a groundwater sustainability agency (GSA) shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans (GSPs). The list of interested parties presented below was developed during the current GSA formation process. Many of the agencies identified below have already been contacted by the City of Bakersfield, Kern Delta Water District, or the Kern County Water Agency Improvement District No. 4 or to coordinate the GSA planning process. The interests of the agencies, organizations, and individuals identified below shall be considered during the development of the GSP for the GSA.

*(a) Holders of overlying groundwater rights, including:*

*(1) Agricultural users.*

- Rosedale Ranch Improvement District
- Various landowners

A significant portion of the land located within the Kern River GSA boundary is used for agricultural purposes. Kern District Water District maintains a landowner list and contact information for such users within its service area boundaries. The GSA will maintain a landowner list of all other such users, with contact information.

*(2) Domestic well owners.*

- Bear Mountain Truck Stop
- Cal Mat (Panama Lane Facility)
- Cemex Construction Materials Pacific LLC
- Countryside Market & Restaurants
- Delta Trading Water System
- Donovan Bros. Golf
- Derrel's Mini Storage #66
- Farmer John Egg Ranch #2
- Golden Empire Concrete Company
- Grace Community Church Water System
- Harvest Steakhouse
- J.G. Boswell Company Water System
- Kern County Cemetery Association
- Kern Oil and Refining Company
- Kidz Kountry Preschool



- Lakeside School
- Pinewood Lake Homeowners Association
- Seven Oaks Country Club
- Stockdale Country Club
- Various private entities

There may be additional domestic well owners located within the GSA boundary. The GSA will maintain a list of such owners, with contact information.

*(b) Municipal well operators.*

- Ashe Water Company
- City of Bakersfield
- California Water Service Company
- East Niles Community Services District
- Greenfield County Water District
- Kern County Water Agency, Improvement District No.4
- North of the River Mutual Water District

It is believed that this is the extent of the municipal well operators located partially or fully within the GSA boundary. However, there may be other municipal well owners located partially or fully within the GSA boundary. The GSA will maintain a list of municipal well operators with contact information.

*(c) Public water systems.*

- Ashe Water Company
- Athal Mutual Water System
- Bear Mountain RV Park Water System
- California Water Service Company
- Casa Loma Water Company
- East Niles Community Services District
- East Wilson Road Water Company
- El Adobe POA, Inc.
- Fuller Acres Mutual Water Company
- Gosford Road Water Company
- Greenfield County Water District
- North of the River Mutual Water District
- Oasis Property Owners Association
- Oildale Mutual Water Company
- Old River Mutual Water Company
- Panama Road Property Owners Association
- Ski West Village Water System

- South Kern Mutual Water Company
- Stockdale Annex Mutual Water Company
- Stockdale Mutual Water Company
- Vaughn Water Company
- Wini Mutual Water Company

It is believed that this is the extent of the public water systems located partially or fully within the GSA boundary. However, there may be other public water systems located partially or fully within the GSA boundary. The GSA will maintain a list of public water systems with contact information.

*(d) Local land use planning agencies.*

- County of Kern
- Kern County Planning and Community Development Department

The City of Bakersfield is also a local land use planning agency within the GSA boundary. The City Manager's office, City Attorney, Community Development Department, and Water Resources Department have been, and will continue to be, engaged in a coordinated effort in the formation of this GSA, development of the subsequent GSP, and ongoing coordination with other GSAs in the Kern River Subbasin with the goal of ensuring sustainability within the Subbasin.

*(e) Environmental users of groundwater.*

- Panorama Vista Preserve
- Kern River Parkway Foundation
- City of Bakersfield

The City has developed the Kern River Flow and Municipal Water Program to restore streamflow and increase groundwater recharge along the Kern River. The Program will implement City-adopted plans and policies to enhance and protect the natural resources of the Kern River through increasing river flows. Increased river flows provide benefits of increased groundwater recharge, recreation, and habitat enhancement. The Program would allow surplus water to flow down the Kern River channel seasonally and percolate to the groundwater basin below. The City draws off of the recharged basin to support its municipal water supply needs. The Kern River Flow and Municipal Water Program will be considered in development of the GSP.

*(f) Surface water users, if there is a hydrologic connection between surface and groundwater bodies.*

- Buena Vista Water Storage District
- Rosedale-Rio Bravo Water Storage District

The City and Kern-Delta Water District own long-standing historic surface water rights and supplies, and typically use such water supplies for deliveries to constituents (surface deliveries and conjunctive use deliveries) within the their boundaries.

*(g) The federal government, including, but not limited to, the military and managers of federal lands.*

- There are no known lands owned or operated by the federal government within the GSA. If in the future such interests are discovered, they will be included as an interested party.

*(h) California Native American Tribes.*

- *There are no known lands owned or operated by California Native American Tribes within the GSA. If in the future such interests are discovered, they will be included as an interested party.*

*(i) Disadvantaged communities, including, but not limited to, those served by private domestic wells or small community water systems.*

- Calder's Corner
- Edison
- Greenfield
- Kern City
- Magunden

Exhibit 7 provides a list and map of the census tracts within the GSA boundary that meet the definition of "disadvantaged community."<sup>1</sup> The GIS data of the disadvantaged community census tracts shown in the attached map were obtained from the CalEPA website.<sup>2</sup>

*(j) Entities listed in Section 10927 that are monitoring and reporting groundwater elevations in all or a part of a groundwater basin managed by the groundwater sustainability agency.<sup>3</sup>*

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<sup>1</sup>As defined in *Designation of Disadvantaged Communities Pursuant to Senate Bill 535 (De Leon)*.

Available:<<http://www.calepa.ca.gov/EnvJustice/GHGInvest/Documents/SB535DesCom.pdf>>. Accessed: January 26, 2016.

<sup>2</sup>Available:<<http://www.calepa.ca.gov/EnvJustice/GHGInvest/>>. Accessed: January 26, 2016.

<sup>3</sup>Water Code Section 10927. Any of the following entities may assume responsibility for monitoring and reporting groundwater elevations in all or a part of a basin or subbasin in accordance with this part:

(a) A watermaster or water management engineer appointed by a court or pursuant to statute to administer a final judgment determining rights to groundwater.

(b) (1) A groundwater management agency with statutory authority to manage groundwater pursuant to its principal act that is monitoring groundwater elevations in all or a part of a groundwater basin or subbasin on or before January 1, 2010.

(2) A water replenishment district established pursuant to Division 18 (commencing with Section 60000). This part does not expand or otherwise affect the authority of a water replenishment district relating to monitoring groundwater elevations.

(3) A groundwater sustainability agency with statutory authority to manage groundwater pursuant to Part 2.74 (commencing with Section 10720).

(c) A local agency that is managing all or part of a groundwater basin or subbasin pursuant to Part 2.75 (commencing with Section 10750) and that was monitoring groundwater elevations in all or a part of a groundwater basin or subbasin on or before January 1, 2010, or a local agency or county that is managing all or part of a groundwater basin or subbasin pursuant to any other legally enforceable groundwater management plan with provisions that are substantively similar to those described in that part and that was monitoring groundwater elevations in all or a part of a groundwater basin or subbasin on or before January 1, 2010.

- Kern Groundwater Authority
- Kern Water Bank Authority
- Arvin-Edison Water Storage District
- Deer Creek & Tule River Authority
- Kern County Water Agency Improvement District 4
- Kern-Tulare Water District
- North Kern Water Storage District
- Semitropic Water Storage District
- Shafter-Wasco Irrigation District
- Kern Fan Authority (which is a coalition consisting of the Kern-Delta Water District, Buena Vista Water Storage District, Henry Miller Water District, and Rosedale-Rio Bravo Water Storage District, and which was previously known as the Kern River Fan Group)

The City and Kern-Delta Water District also monitor and report groundwater elevations. Cal Water, the City's operations and maintenance contractor, takes monthly groundwater elevation readings for the City's domestic water wells. City staff also measures groundwater levels in the City's Olcese Wells and in monitoring wells in the City's 2800 Acre Recharge Facility. Kern Delta staff takes certain weekly, monthly, and bi-annual groundwater elevation measurements throughout the District. Some of the bi-annual data is reported to the Kern County Water Agency and some to the State of California through the California Statewide Groundwater Elevation Monitoring (CASGEM) program.

The following are other interested parties that do not fit the various categories outlined in Water Code §10723.2:

- Kern River Watershed Coalition Authority

All of the above interested parties will be considered in the operation of the GSA and the development of the GSP.

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(d) A local agency that is managing all or part of a groundwater basin or subbasin pursuant to an integrated regional water management plan prepared pursuant to Part 2.2 (commencing with Section 10530) that includes a groundwater management component that complies with the requirements of Section 10753.7.

(e) A local agency that has been collecting and reporting groundwater elevations and that does not have an adopted groundwater management plan, if the local agency adopts a groundwater management plan in accordance with Part 2.75 (commencing with Section 10750) by January 1, 2014. The department may authorize the local agency to conduct the monitoring and reporting of groundwater elevations pursuant to this part on an interim basis, until the local agency adopts a groundwater management plan in accordance with Part 2.75 (commencing with Section 10750) or until January 1, 2014, whichever occurs first.

(f) A county that is not managing all or a part of a groundwater basin or subbasin pursuant to a legally enforceable groundwater management plan with provisions that are substantively similar to those described in Part 2.75 (commencing with Section 10750).

(g) A voluntary cooperative groundwater monitoring association formed pursuant to Section 10935.

## **Regional Coordination**

Regional coordination is an important component of forming this GSA and the subsequent GSP. Currently, the Kern Groundwater Authority (KGA) has been engaging in public outreach, and both the City of Bakersfield (City), Kern-Delta Water District (KDWD), and the Kern County Water Agency Improvement District No. 4 (ID4) and have participated in this current outreach effort with the KGA. To date, the KGA, has organized a number of regular meetings since April 2014 at which the City, KDWD, and ID4 have participated. Prior to the KGA, the City also participated in regional coordination meetings with the Kern Groundwater Management Committee (KGMC) since January 2012. These meetings with the KGA and the KGMC included discussion of the SGMA and Kern County local compliance and coordination efforts.

## **Continued Public Outreach**

This GSA will conduct public outreach efforts to engage the public and interested parties listed above in the ongoing effort to comply with SGMA and develop the GSP. It is the GSA's intent to hold additional educational workshops in the future to keep the public and interested parties informed of the ongoing GSP development efforts. We will plan workshops in the future before adoption of the GSP. Additional future public outreach efforts may include forming a committee to oversee public outreach and potentially developing a website to provide the public with current information regarding the GSA. The purpose of these efforts would be to ensure a clear communication path with the public and interested parties to keep them informed regarding the progress of the GSA and GSP.

The Kern River GSA will consider the interests of all of the foregoing beneficial uses and users of groundwater, as well as those responsible for implementing GSPs. In this effort, the District will (1) continue to meet with the KGA and its members, (2) meet with other local GSAs that may be formed and endeavor to coordinate with such agencies pursuant to §§ 10727 and 10727.6, (3) have open and public meetings of the Kern River GSA members' Board of Directors, and (4) solicit feedback in the adoption of its GSP and any subsequent amendments. In addition to the foregoing, and pursuant to Water Code §10727.8, prior to initiating the development of a GSP, the Kern River GSA will make available to the public and DWR a written statement describing the manner in which interested parties may participate in the development and implementation of the GSP. The Kern River GSA will encourage the active involvement of diverse social, cultural, and economic elements of the population within that portion of the groundwater basin to be managed by the Kern River GSA. For these purposes, interested parties will include entities listed in Water Code §10927 that are monitoring and reporting groundwater elevations in all or a part of the groundwater basin that is managed by the Kern River GSA.

Furthermore, and pursuant to Water Code §10728.4, the Kern River GSA will adopt or amend its GSP only after a public hearing, held at least 90 days after providing notice to any city or county within the area of the proposed plan or amendment. The Kern River GSA will also review and consider comments from any city or county that receives notice pursuant to the above-referenced Water Code section and will consult with a city or county that requests consultation within 30 days of receipt of the notice.

**EXHIBIT 7**

**DISADVANTAGED COMMUNITIES (DAC) IN KERN RIVER GSA**

**INCLUDING:**

- (A) LIST OF DACs**
- (B) MAP OF DACs**

(A) DACs Listed by Census Tract within the Kern River GSA Boundary

<b>GEOID<sup>1</sup></b>	<b>Tract Name<sup>2</sup></b>	<b>Population<sup>3</sup></b>	<b>Nearest Zip Code</b>
3113	Census Tract 31.13	5298	93307
3112	Census Tract 31.12	5658	93313
2900	Census Tract 29	6787	93309
0300	Census Tract 3	4381	93308
0200	Census Tract 2	7957	93308
3206	Census Tract 32.06	13845	93307
2812	Census Tract 28.12	5581	93309
6201	Census Tract 62.01	3244	93203
0400	Census Tract 4	4495	93301
0507	Census Tract 5.07	3703	93309
0600	Census Tract 6	6453	93301
0904	Census Tract 9.04	4402	93306
0903	Census Tract 9.03	4150	93306
0905	Census Tract 9.05	2553	93306
0906	Census Tract 9.06	3881	93306
3115	Census Tract 31.15	5954	93307
3114	Census Tract 31.14	7430	93313
3122	Census Tract 31.22	8612	93307
3121	Census Tract 31.21	8136	93307
1103	Census Tract 11.03	5588	93307
1201	Census Tract 12.01	3269	93305
1202	Census Tract 12.02	5864	93305
1500	Census Tract 15	2682	93307
1400	Census Tract 14	8745	93305
1300	Census Tract 13	7205	93305
1600	Census Tract 16	1580	93307
2200	Census Tract 22	5804	93307
1700	Census Tract 17	4088	93309
2100	Census Tract 21	3372	93307
1902	Census Tract 19.02	4958	93301
1901	Census Tract 19.01	3786	93309
1801	Census Tract 18.01	6251	93309
2302	Census Tract 23.02	3444	93307
2301	Census Tract 23.01	10255	93307
3700	Census Tract 37	3806	93206
6202	Census Tract 62.02	6887	93243
3103	Census Tract 31.03	3810	93307
2000	Census Tract 20	7529	93307
2600	Census Tract 26	3500	93307
2700	Census Tract 27	6152	93309
2500	Census Tract 25	8592	93307

<b>GEOID<sup>1</sup></b>	<b>Tract Name<sup>2</sup></b>	<b>Population<sup>3</sup></b>	<b>Nearest Zip Code</b>
2400	Census Tract 24	8470	93307
3000	Census Tract 30	8119	93307
3202	Census Tract 32.02	17216	93307
2813	Census Tract 28.13	4327	93309
2815	Census Tract 28.15	4918	93309
2814	Census Tract 28.14	4306	93309
2816	Census Tract 28.16	6119	93309
0101	Census Tract 1.01	12616	93308
6303	Census Tract 63.03	6768	93203
6404	Census Tract 64.04	3318	93241
6403	Census Tract 64.03	6513	93241
1000	Census Tract 10	10276	93307
6401	Census Tract 64.01	8698	93241
1102	Census Tract 11.02	6496	93307
1101	Census Tract 11.01	4413	93307

**Notes:**

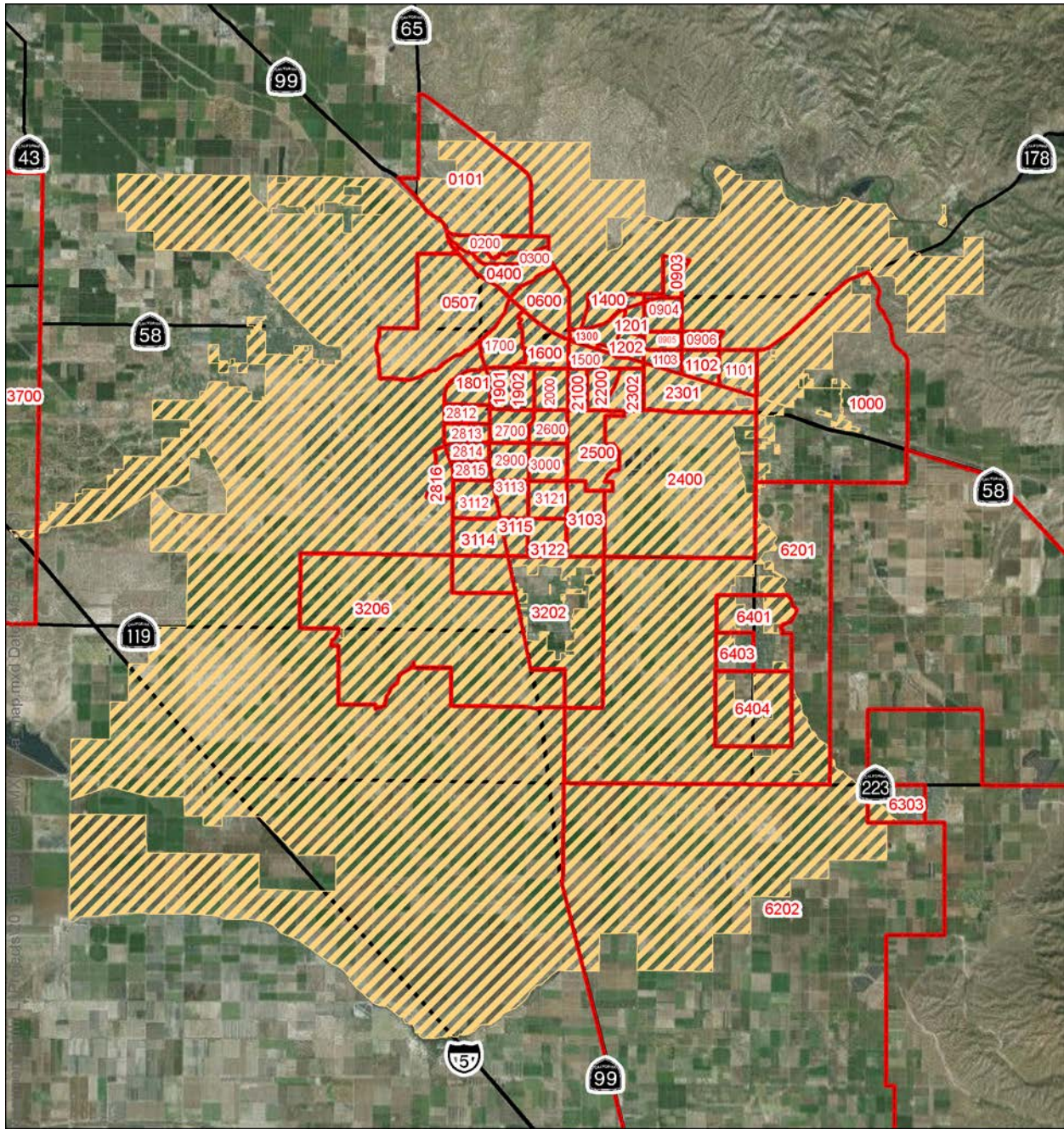
<sup>1</sup>Partial U.S. Census GEOID. Each full GEOID begins with 0602900 followed by the partial GEOID shown in the table. For example, partial GEOID 3112 has a full U.S. Census GEOID of 06029003112.



<sup>2</sup>GSA boundary includes all or part of the aerial extent of each census tract.

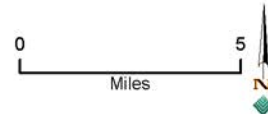
<sup>3</sup>GSA boundary includes all or part of the population for each census tract.



(B) Map of DACs Identified by Census Tract within the Kern River GSA Boundary



-  GSA Boundary
-  Disadvantaged Communities



QK Sources: US Census  
ESRI Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics,

# **APPENDIX B**

## **Notification of Intent to Develop Groundwater Sustainability Plan**



## **Kern River Groundwater Sustainability Agency**

May 19, 2017

Mr. Trevor Joseph  
Sustainable Groundwater Management Section Chief  
California Department of Water Resources  
P.O. Box 942836  
Sacramento, California 94236-0001

SUBJECT: NOTIFICATION OF INTENT TO DEVELOP GROUNDWATER SUSTAINABILITY PLAN

Dear Mr. Joseph,

The purpose of this letter is to notify you that the Kern River Groundwater Sustainability Agency (KRGSA) intends to develop a Groundwater Sustainability Plan (GSP) pursuant to Water Code Section 10727.8 for its service area within the Kern County Subbasin (Basin Number 5-22.14, DWR Bulletin 118). The KRGSA is an exclusive GSA whose formation was posted by DWR on April 21, 2016.

The KRGSA is engaged in several coordination and outreach efforts across the Kern County Subbasin, as well as, within the more specific service area of the KRGSA. The KRGSA actively participates in technical and planning meetings and forums with other GSAs in the Kern County Subbasin, recognizing that the findings of the KRGSA's GSP will need to be coordinated with other GSP development efforts occurring in parallel within the Kern County Subbasin. The KRGSA has taken the lead in developing modelling tools that will facilitate integration and plan alignment among multiple GSAs/GSPs in the subbasin. The KRGSA holds monthly public meetings to review and discuss on-going planning activities in support of the GSA and GSP development process. These meetings welcome public input and feedback to the GSA and the GSP development process.

Once the GSP process is more fully underway, the KRGSA will also be holding quarterly meetings with the specific objective of reviewing progress in developing the technical elements of the GSP. These quarterly GSP update meetings will be open to the public and welcome participation by other GSAs in the Kern County subbasin, interested parties within the basin or KRGSA service area, or other members of the public. In addition to these coordination and technical efforts described above, the KRGSA will also be holding educational workshops specifically intended for the interested parties and general public (residents) living in the KRGSA service area. These additional workshops will have an educational focus to inform attendees on the overall role and purpose of the GSA, describe the method and process to develop the GSP, and share our understanding on how the GSP will eventually be implemented. One of the key goals of these public workshops will be to hear comments and feedback from the public that can be used to further inform the GSP development process.

The KRGSA has established a website at: <http://kernrivergsa.org/>. This website is already actively in use and will continue to provide the public with key information regarding the GSA and GSP development process including the dates of public meetings and workshops. The KRGSA website also makes our resource planning and GSP documents available to the public.

Attached for your reference is the draft KRGSA GSP development schedule. More specific dates for public workshops and other educational and outreach events will be added to the working schedule in time.

If you have any questions regarding our GSP development process, please don't hesitate to contact me at the phone number or email below.

Thank you,



Art Chianello, P.E.

City of Bakersfield, Water Resources Manager

[achianel@bakersfieldcity.us](mailto:achianel@bakersfieldcity.us)

(661) 326-3715

**Table 1. KRUSA Groundwater Sustainability Plan, Project Schedule**

**Todd Groundwater**

	2017												2018												2019						
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>Task 1: Prepare Administrative Information</b>							◆																								
1.1 Jurisdictional Boundaries, Agencies	■	■	■	■																											
1.2 Wells and Mapping				■	■	■	■																								
1.3 Monitoring Programs				■	■	■	■																								
1.4 Water Management Setting	■	■	■	■																											
1.5 Land Use and Planning	■	■	■	■																											
<b>Task 2: Describe Basin Setting</b>									◆					◆																	
2.1 Develop Hydrogeologic Conceptual Model				■	■	■	■	■	■																						
2.2 Characterize Basin Conditions				■	■	■	■	■	■																						
2.3 Develop Water Budgets (GSA and Subbasin)						■	■	■	■	■	■	■										■	■	■							
2.4 Delineate Management Areas											■	■																			
<b>Task 3: Develop Sustainable Management Criteria</b>																															
3.1 Sustainability Goal											■	■	◆	■	■																
3.2 Analyze Undesirable Results														■	■	■	◆														
3.3 Identify Min. Thresholds / Measurable Objectives																							■	■							
<b>Task 4: Develop Monitoring Network</b>																															
4.1 Incorporate Data from Existing Networks													■	■	■																
4.2 Identify Data Gaps														■	■																
4.3 Develop Monitoring Network and Protocols																															
<b>Task 5: Identify and Evaluate Management Actions</b>																															
5.1 Describe Management Activities and Strategies													■	■	■	■	■	■	■	■	■	■	■	■							◆
5.2 Evaluate Strategies; Select Preferred Actions																															
5.3.1 Administrative Draft GSP																															
5.3.2 Draft GSP																															
5.3.3 Final GSP																															
<b>Task 6: Qtrly Progress - Meetings/Conference Calls</b>						■			■			■					■				■			■							■
<b>Task 7: Assist with Subbasin Coordination</b>																															
7.1 Coordination Agreements	■	■	■	■																											
7.2 KRUSA Coordination and White Papers	■	■	■	■																											

Note: Schedule revised to coordinate with Subbasin Modeling tasks (see Table 2).

◆ KRUSA Meeting or Workshop  
 ■ Progress Report (In-person Meeting or Conference Call)

## **APPENDIX C**

**Notice of Greenfield County Water District's  
Intent to Serve as Groundwater Sustainability  
Agency For A Portion of the Kern County  
Subbasin 5-22.14**

**Memorandum of Understanding for  
Development and Implementation of a  
Groundwater Sustainability Plan**

**Memorandum of Understanding RE  
Participation in Kern River Groundwater  
Sustainability Agency**

# Greenfield County Water District

551 TAFT HIGHWAY      PHONE (661) 831-0989  
BAKERSFIELD, CALIFORNIA 93307

April 12, 2016

## Via Email & FedEx

Mark Nordberg, GSA Project Manager  
Senior Engineering Geologist  
California Department of Water Resources  
901 P Street, Room 213A  
P. O. Box 942836  
Sacramento, CA 94236  
[Mark.Nordberg@water.ca.gov](mailto:Mark.Nordberg@water.ca.gov)

Dane Mathis  
Sup. Engineering Geologist  
3374 East Shields Avenue  
Fresno, CA 93726  
[Dane.Mathis@water.ca.gov](mailto:Dane.Mathis@water.ca.gov)

## **Re: Notice of Greenfield County Water District's Intent to Serve as Groundwater Sustainability Agency For A Portion of the Kern County Subbasin- 5-22.14**

This letter constitutes notice to the Department of Water Resources (**DWR**), pursuant to Water Code sections 10723(d) and 10723.8, of Greenfield County Water District's (**District**) intent to undertake sustainable groundwater management of a portion of the Kern County Subbasin (**Basin**) No. 5-22.14 as a Groundwater Sustainability Agency (**GSA**) pursuant to the Sustainable Groundwater Management Act (**SGMA**). This notice of intent is timely filed within 30 days of the date the District's Board of Directors (**Board**) approved a resolution electing to serve as a GSA. The resolution is attached hereto as Exhibit 1, and maps showing the District's service area boundaries and proposed GSA management area are attached as an exhibit to the resolution. No new bylaws, ordinances, or other new authorities were adopted in connection with this resolution to serve as GSA.

As of the date of this notice, DWR has posted a notice pursuant to Water Code section 10733.3 of Buena Vista Water Storage District's intent to serve as a GSA for a portion of the Basin.

A list of potential GSAs within the Basin is attached as Exhibit 2. Potential GSA's within the District's proposed management area include the City of Bakersfield and Kern Delta Water District. The District anticipates coordinating with both the City of Bakersfield and Kern Delta Water District in the development of a Groundwater Sustainability Plan (**GSP**).

Interested parties within the District's proposed GSA management area, determined pursuant to Water Code section 10723.2, and to the best of the District's knowledge, include:

(a)  Holders of Overlying Groundwater Rights, including:

(1)  Agricultural Users,

The District's proposed management area is composed predominantly of residential, commercial and industrial water users, most of whom have a pre-existing relationship with the District. There is a small amount of agricultural land within the District, most of which is fallow pending development. Active agricultural water users within the District's boundary will fall under the GSA of Kern Delta Water District.

(2)  Domestic Well Owners.

There are domestic wells within the proposed GSA management area. However, because SGMA excludes "de minimis extractors" (those that extract no more than two acre-feet per year) from certain regulatory requirements, it is anticipated that the GSP will exclude some domestic wells from such requirements.

(b)  Municipal Well Operators.

The District is the only known municipal well operator within the proposed management area.

(c)  Public Water Systems.

The District is the only known public water system within the proposed management area.

(d)  Local Land Use Planning Agencies.

The County of Kern and the City of Bakersfield and the local land use planning agencies.

(e)  Environmental Users of Groundwater.

N/A.

(f)  Surface Water Users, if there is a Hydrologic Connection between Surface and Groundwater bodies.

The District, Kern Delta Water District and the City of Bakersfield are surface water users within the District's boundaries.

(g)  The Federal Government, including, but not limited to, the Military and Managers of Federal Lands.

N/A




(h) California Native American Tribes.  
N/A

(i) Disadvantaged Communities, including, but not limited to, those Served by Private Domestic Wells or Small Community Water Systems.  
The District is not aware of any Disadvantaged Communities within the proposed management area.

(j) Entities listed in Water Code Section 10927 that are Monitoring and Reporting Groundwater Elevations in all or part of a Groundwater Basin Managed by the Groundwater Sustainability Agency.  
Possibly Kern Delta Water District and the City of Bakersfield.

The District intends to engage in a collaborative, open and inclusive process in implementing SGMA. The District will listen to and consider the interests of the Basin's other GSAs, stakeholders, and other interested parties in the development and operation of the GSA, and in the development and implementation of the GSP. Interested parties will have opportunities, both formal and informal, to provide input to the District through the process of developing, operating, and implementing the GSA and GSP. Such opportunities may include, but are not limited to, public comment as required by SGMA (e.g., Water Code section 10728.4); opportunities for public comment during the initial District's regular and special board meetings, and at other times to be determined and noticed pursuant to Water Code section 10727.8(a).



---

Mel Johnson, General Manager and Secretary  
Greenfield County Water District

GREENFIELD COUNTY WATER DISTRICT

RESOLUTION NO. 2016-01

A RESOLUTION OF THE BOARD OF DIRECTORS OF  
GREENFIELD COUNTY WATER DISTRICT  
FOR AN ELECTION TO SERVE AS  
GROUNDWATER SUSTAINABILITY AGENCY

WHEREAS, the Sustainable Groundwater Management Act of 2014 (“SGMA”) was signed into law on September 16, 2014 and became effective January 1, 2015; and

WHEREAS, SGMA requires that each California groundwater basin or subbasin be managed by a Groundwater Sustainability Agency (GSA), or multiple GSAs, and that such management be implemented pursuant to an approved Groundwater Sustainability Plan (GSP) or multiple GSPs; and

WHEREAS, Greenfield County Water District (District) overlies a subbasin of the San Joaquin Valley Groundwater Basin known as the Kern County Subbasin (Basin No. 5-22.14 in the Department of Water Resources’ CASGEM system), an unadjudicated groundwater basin overlying portions of Kern County (the “Basin”); and

WHEREAS, the District, as a local public agency overlying the Basin, is authorized to be a GSA for the Basin; and

WHEREAS, notice of a public hearing to consider whether the District should elect to be a GSA for a portion of the Basin, a copy of which is attached as **Exhibit A**, was published in the *Bakersfield Californian* on February 25, 2016 and again on March 3, 2016, pursuant to section 6066 of the Government Code, as required by section 10723(b) of the Water Code; and

WHEREAS, courtesy copies of the hearing notice were also provided to the Basin’s other potential GSAs within the Basin, including the Kern Groundwater Authority, County of Kern City of Bakersfield and Kern Delta Water District;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF GREENFIELD COUNTY WATER DISTRICT as follows:

1. The District hereby elects to be the exclusive Groundwater Sustainability Agency for at least that portion of the Kern County Subbasin that is shown on the map attached hereto as **Exhibit B** and incorporated herein by this reference.


2. Within 30 days of the date of this Resolution, the General Manager is directed to submit a notice of the District’s intent to the Department of Water Resources, pursuant to Water Code section 10723.8(a).

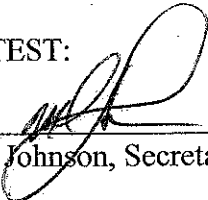
3. The General Manager shall, after complying with Water Code section 10727.8, begin the process of developing the District’s Groundwater Sustainability Plan for the Basin in accordance with all applicable statutes and regulations.

4. The General Manager shall create and maintain a list of persons interested in receiving notices concerning the District's SGMA process pursuant to section 10723.4 of the Water Code.

5. The General Manager shall provide regular progress reports on SMGA implementation to the Board.

PASSED AND ADOPTED this 14<sup>th</sup> day of March, 2016.

  
\_\_\_\_\_  
David Rasmussen  
President of the Board of Directors

ATTEST:  
  
\_\_\_\_\_  
Mel Johnson, Secretary

SECRETARY'S CERTIFICATE

I HEREBY CERTIFY that the foregoing Resolution No. 16-01 was duly passed and adopted by the Board of Directors of Greenfield County Water District at a regular meeting thereof held on March 14, 2016, on the following roll call vote:

AYES: David Rasmussen  
Roberto Figueroa  
Robert Actis  
Alex Alvarado  
Dennis Costa

NOES: None

ABSTAIN: None

ABSENT: None

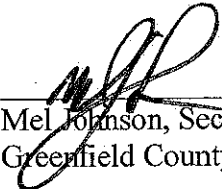
  
\_\_\_\_\_  
Mel Johnson, Secretary  
Greenfield County Water District

Exhibit A

GREENFIELD COUNTY WATER DISTRICT

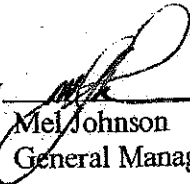
NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that, pursuant to California Water Code section 10723(b), the Board of Directors of Greenfield County Water District (District) will hold a public hearing on March 14, 2016, at 7:00 p.m., at the District's office located at 551 Taft Highway, Bakersfield, California to consider and decide whether the District shall become a Groundwater Sustainability Agency for a portion of the Kern County Subbasin of the Tulare Lake Groundwater Basin. Written comments should be submitted to the District, to the attention of Mel Johnson, District Manager, no later than 7:00 p.m. on Monday, March 14, 2016. During the hearing, the District will receive oral and written comments before making a decision.

Dated: February 23, 2016

GREENFIELD COUNTY WATER DISTRICT

By

  
\_\_\_\_\_  
Mel Johnson  
General Manager and Secretary

# PROOF OF PUBLICATION

The BAKERSFIELD CALIFORNIAN  
P.O. BOX 440  
BAKERSFIELD, CA 93302

GREENFIELD COUNTY WATER  
DISTRICT  
551 TAFT HIGHWAY  
BAKERSFIELD, CA 93307

Ad Number: 14087881 PO #: 2  
Edition: 1TBC Run Times  
Class Code Public Notices  
Start Date 2/25/2016 Stop Date 3/3/2016  
Billing Lines 23 Inches 138.92  
Total Cost \$ 349.20 Account 1GRE35  
Billing GREENFIELD COUNTY WATER DIS  
Address 551 TAFT HIGHWAY  
BAKERSFIELD, CA 93307

STATE OF CALIFORNIA  
COUNTY OF KERN

I AM A CITIZEN OF THE UNITED STATES AND A RESIDENT OF THE COUNTY AFORESAID: I AM OVER THE AGE OF EIGHTEEN YEARS, AND NOT A PARTY TO OR INTERESTED IN THE ABOVE ENTITLED MATTER. I AM THE ASSISTANT PRINCIPAL CLERK OF THE PRINTER OF THE BAKERSFIELD CALIFORNIAN, A NEWSPAPER OF GENERAL CIRCULATION, PRINTED AND PUBLISHED DAILY IN THE CITY OF BAKERSFIELD COUNTY OF KERN,

AND WHICH NEWSPAPER HAS BEEN ADJUDGED A NEWSPAPER OF GENERAL CIRCULATION BY THE SUPERIOR COURT OF THE COUNTY OF KERN, STATE OF CALIFORNIA, UNDER DATE OF FEBRUARY 5, 1952, CASE NUMBER 57610; THAT THE NOTICE, OF WHICH THE ANNEXED IS A PRINTED COPY, HAS BEEN PUBLISHED IN EACH REGULAR AND ENTIRE ISSUE OF SAID NEWSPAPER AND NOT IN ANY SUPPLEMENT THEREOF ON THE FOLLOWING DATES, TO WIT:

2/25/16

3/3/16

ALL IN YEAR 2016

I CERTIFY (OR DECLARE) UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

*Maryana Lawrence*

DATED AT BAKERSFIELD CALIFORNIA

MAR 08 2016

Solicitor I.D.: 0

First Text  
GREENFIELD COUNTY WATER DISTRICT NOTICE

Ad Number 14087881

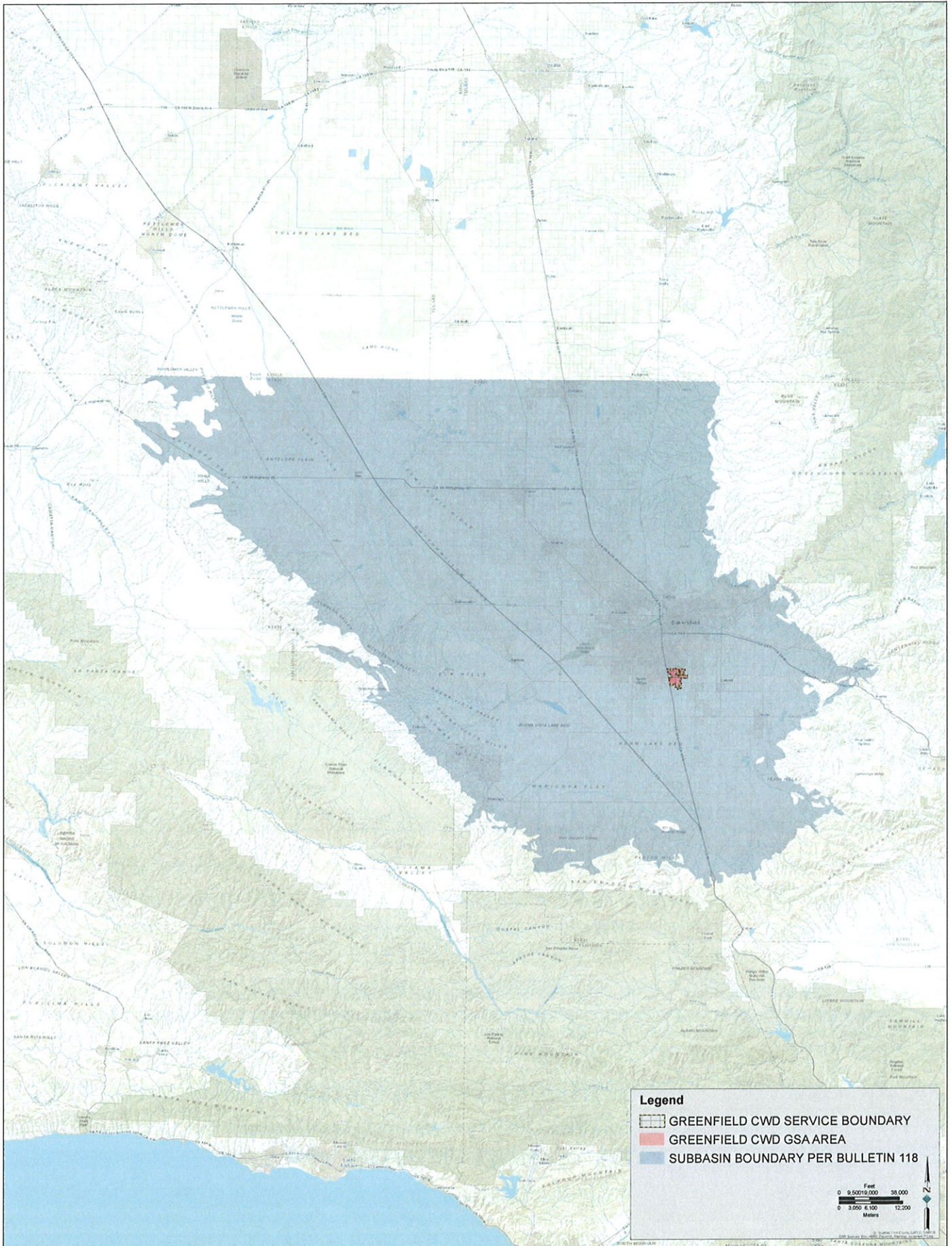
GREENFIELD COUNTY WATER DISTRICT	
NOTICE OF PUBLIC HEARING	
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Dated: February 23, 2016	GREENFIELD COUNTY WATER DISTRICT
	By: <i>/s/</i> Mel Johnson General Manager and Secretary
FEBRUARY 25, MARCH 3, 2016 14087881	

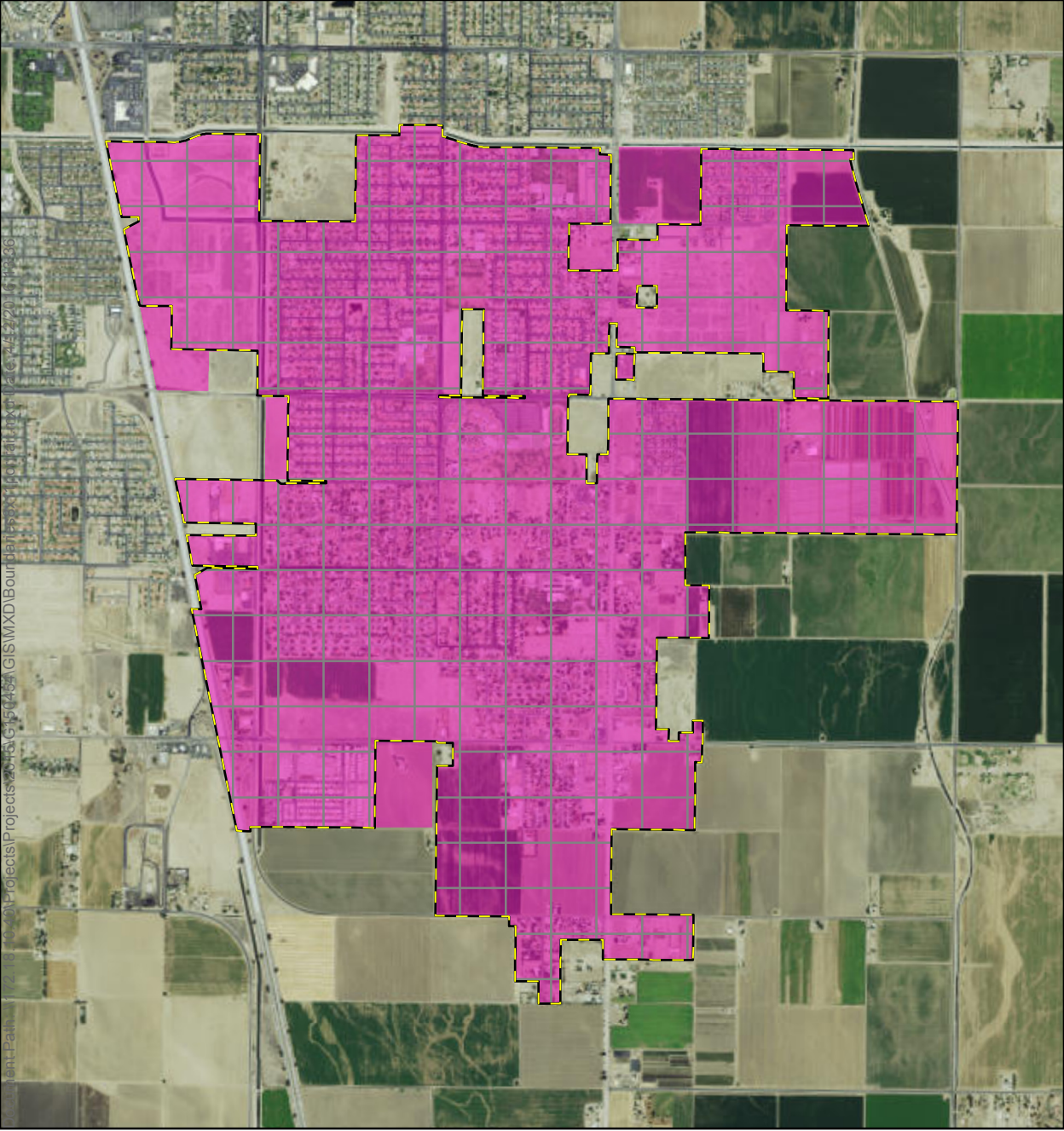
Exhibit B



# Greenfield County Water District GSA Boundary



GSA Boundary within subbasin 5-22.14 of the Tulare Lake Hydrologic Region

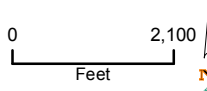




\\snp\Projects\Projects\036\GIS\04155\GIS\MXD\IBoundary\IBoundary.mxd (7/4/2010 4:00:36 PM)

### Greenfield County Water District GSA Boundary

-  GREENFIELD CWD SERVICE BOUNDARY
-  GREENFIELD CWD GSA AREA



Arvin Edison Community Services District  
Arvin-Edison Water Storage District  
Belridge Water Storage District  
Berrenda Mesa Water District  
Buena Vista Water Storage District  
Buttonwillow County Water District  
Cawelo Water District  
City of Arvin  
City of Bakersfield  
City of Delano  
City of Maricopa  
City of McFarland  
City of Shafter  
City of Taft  
City of Wasco  
County of Kern  
Delano-Earlimart Irrigation District  
Devil's Den Water District  
East Niles Community Services District  
Henry Miller Water District  
Kern County Water Agency (Including Improvement District No. 4)  
Kern Delta Water District  
Kern-Tulare Water District  
Lamont Public Utilities District  
Lost Hills Utility District  
Lost Hills Water District  
McAllister Ranch Irrigation District  
North of the River Municipal Water District  
North Kern Water Storage District  
Olcese Water District  
Rag Gulch Water District  
Rosedale Ranch Improvement District  
Rosedale-Rio Bravo Water Storage District  
Semitropic Water Storage District  
Shafter-Wasco Irrigation District  
Southern San Joaquin Municipal Utility District  
West Kern Water District  
Wheeler Ridge-Maricopa Water Storage District

## Exhibit 2

**MEMORANDUM OF UNDERSTANDING FOR DEVELOPMENT  
AND IMPLEMENTATION OF A GROUNDWATER SUSTAINABILITY PLAN**

This **MEMORANDUM OF UNDERSTANDING** (“MOU”) is made and entered into on 1-14-2019 by and between the **Kern River Groundwater Sustainability Agency** (“KRGSA”) and **Greenfield County Water District** a Groundwater Sustainability Agency (“Greenfield”), each a “Party” and collectively the “Parties.”

**WHEREAS**, the KRGSA was formed pursuant to a Memorandum of Understanding (“KRGSA MOU”) by and between the City of Bakersfield, Kern Delta Water District, and Kern County Water Agency on behalf of its Improvement District No. 4 (“KRGSA MOU Parties”) and is the exclusive groundwater sustainability agency for a portion of the Kern Subbasin (Department of Water Resources basin # 5-022.14); and

**WHEREAS**, the KRGSA has retained one or more consultants to prepare a groundwater sustainability plan (“GSP”) for the area within the KRGSA boundaries (“KRGSA GSP”) pursuant to the Sustainable Groundwater Management Act (“SGMA”); and

**WHEREAS**, Greenfield is also an exclusive groundwater sustainability agency for a portion of the Kern Subbasin (Department of Water Resources basin # 5-022.14); and

**WHEREAS**, the entirety of the geographic area encompassed by Greenfield’s boundaries is encircled by the KRGSA’s boundaries; and

**WHEREAS**, Greenfield has requested to participate in and coordinate with the KRGSA in the preparation and implementation of the KRGSA GSP with the intent that the KRGSA GSP will include both KRGSA and Greenfield lands; and

**WHEREAS**, KRGSA is willing to allow Greenfield to participate in the preparation and implementation of the KRGSA GSP upon the terms and conditions hereinafter stated.

**NOW, THEREFORE**, incorporating the above recitals herein, it is mutually understood and agreed as follows:

1. **EXPANDED KRGSA GROUNDWATER SUSTAINABILITY PLAN:**

- 1.1 The KRGSA will continue with the preparation of the KRGSA GSP, and will expand such GSP to include the area located within the existing Greenfield GSA boundaries (“Greenfield GSA Area”), as depicted on Exhibit A, and as such area may be amended from time to time. Greenfield will timely provide all necessary information and data to the KRGSA and its consultants, and cooperate in the preparation of such GSP.

- 1.2 Outreach activities undertaken in the preparation and adoption of the KRGSA GSP shall include those persons or entities designated by Greenfield as “interested parties” under SGMA.
  - 1.3 All KRGSA GSP preparation, maintenance, and updating costs attributable to inclusion of the Greenfield GSA Area (including but not limited to plan preparation, modeling, and outreach costs) shall be paid by Greenfield, such costs to be allocated between Greenfield and KRGSA on a per-acre basis (Greenfield GSA gross acreage area in relation to the entire KRGSA gross acreage area). Payment shall be due upon invoicing and payable within thirty (30) days thereof.
  - 1.4 Greenfield shall have timely access to all non-privileged drafts, reports, technical information, and other materials and communications, and an ability to be actively engaged in all open meetings related to the preparation, review, adoption, and implementation of the KRGSA GSP.
  - 1.5 Adoption of the KRGSA GSP shall be determined by the KRGSA MOU Parties, pursuant to the KRGSA MOU. Greenfield shall separately consider whether to adopt the KRGSA GSP.
  - 1.6 Greenfield is responsible for implementing the KRGSA GSP within the Greenfield GSA Area. The KRGSA is responsible for implementing the KRGSA GSP within its Area.
2. DECISION-MAKING PROCESS: All actions and decisions regarding KRGSA GSP preparation and adoption shall be made by KRGSA MOU Parties, pursuant to the KRGSA MOU. This MOU shall at no time be construed to modify, alter, or amend the KRGSA MOU.
  3. GROUNDWATER SUSTAINABILTY PLAN COORDINATION: The KRGSA GSP shall be coordinated with other Kern County Basin groundwater sustainability plans through the KRGSA.
  4. GENERAL PROVISIONS:
    - 4.1 This MOU shall remain in effect unless terminated by either Party in writing or as allowed by State law.
    - 4.2 This MOU may only be amended by a subsequent writing, approved and signed by all Parties.
    - 4.3 No Party, nor any officer or employee of a Party, shall be responsible for any damage or liability occurring by reason of anything done or omitted to be done by another Party under or in connection with this MOU.

APPROVED AS TO CONTENT  
KERN RIVER GROUNDWATER SUSTAINABILITY AGENCY

By:   
RODNEY PALLA, Board Chair

Date: 1/10/2019

APPROVED AS TO FORM  
KERN RIVER GROUNDWATER SUSTAINABILITY AGENCY

By: 

Date: 1/10/2019

APPROVED AS TO CONTENT  
GREENFIELD COUNTY WATER DISTRICT

By:   
ALEX ALVARADO, Board President

Date: 1/14/19

APPROVED AS TO FORM  
GREENFIELD COUNTY WATER DISTRICT

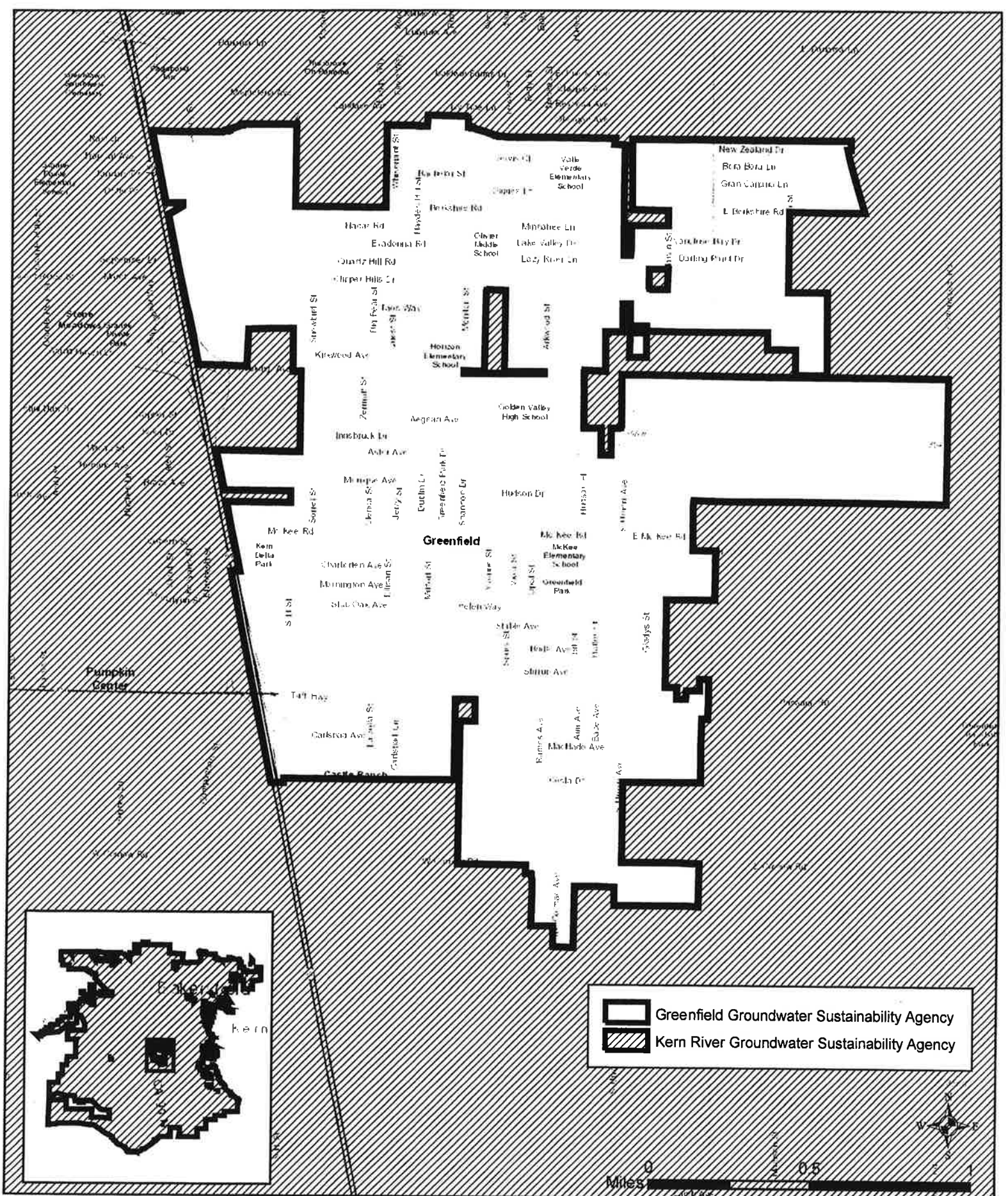
By:   
ROBERT G. KUHS, District Counsel

Date: 1-14-2019

# Greenfield Groundwater Sustainability Agency

## Kern River Groundwater Sustainability Agency

### Memorandum of Understanding Exhibit A



MEMORANDUM OF UNDERSTANDING  
RE PARTICIPATION IN  
KERN RIVER GROUNDWATER SUSTAINABILITY AGENCY

Agreement No. KRGSA16-003  
Approved Dec 1, 2016

THIS MEMORANDUM OF UNDERSTANDING is made as of DEC 06 2016 (Effective Date) by and among the **County of Kern** (County) and the **Kern River Groundwater Sustainability Agency** (KRGSA), collectively the "Parties", each of whom agree as follows:

RECITALS

- A. On or about March 30, 2016, certain entities entered into Agreement 16-048 entitled "Memorandum of Understanding Forming the Kern River Groundwater Sustainability Agency" (MOU).
- B. On or about April 12, 2016, the KRGSA filed a notice of determination to become a GSA with the Department of Water Resources (DWR), which notice was posted by DWR on April 21, 2016.
- C. On or about July 20, 2016, the County filed a notice of determination to become a GSA which created an overlap with the KRGSA causing both notices to be suspended pending resolution of the overlap.
- D. The Parties now desire to resolve the overlap by (i) having the County withdraw its notice of determination to become a GSA with respect to lands within the boundaries of the proposed KRGSA and (ii) having the County join the KRGSA as a non-voting "additional entity", all upon the terms and conditions hereinafter stated.

MEMORANDUM

- 1. County agrees to withdraw its notice of determination to become a GSA with respect to lands within the boundaries of the proposed KRGSA.
- 2. County has jurisdiction over certain lands within the Kern County Sub-basin which the County may wish to designate for inclusion within the boundaries of the KRGSA. The KRGSA will consider inclusion within the boundaries of the KRGSA of the lands designated by the County and, if included, such lands shall be subject to the MOU, the KRGSA Bylaws, and any rules or regulations of the KRGSA heretofore or hereafter adopted or amended.
- 3. County hereby commits to participate in the KRGSA as a non-voting "additional entity". County participation as a non-voting "additional entity" is conditioned on the following assurances provided by the KRGSA:
  - a. Indemnification: If the County is asked by the KRGSA to use the County's police powers for a specific purpose for the KRGSA, then the KRGSA shall indemnify the County against liability for the exercise of its police powers.
  - b. Land Use Powers: The KRGSA and its participants agree, and the GSP will provide, that nothing in the GSP or any actions taken by the KRGSA, shall modify, limit or preempt the County's police powers, including its land use authority. On the other hand, the County does





not intend to designate or zone a specific project with an expectation that the KRGSA will provide more water allotment than that which is determined by the GSP allotment and policies.

c. White Lands: The KRGSA will manage "white lands" included within its boundaries if requested to do so by the County.

d. Well Permits: Well permitting is under the County's jurisdiction and should remain so. The KRGSA will not transform the well-permitting process from a ministerial function (which does not trigger CEQA) to a discretionary function (which triggers CEQA) without prior consultation with the County. If the GSP or the KRGSA shall cause CEQA to be triggered with respect to well permitting, KRGSA shall indemnify County against liability, costs and attorney's fees awarded to petitioner(s) in any CEQA challenge to well permitting.

e. Water Transfers: Water transfers within the basin are essential to economic stability and future development opportunities. The KRGSA will consider this position when assessing its water transfer policy in the GSP. Further, the KRGSA does not intend to restrict use of water within its boundaries to a specific use.

f. Unincorporated Communities: The needs and water resources of unincorporated communities will be considered and addressed in the GSP.

g. JPA v. MOU: It is understood that the development and implementation of the GSP does not require the joint exercise of powers among the Parties and, therefore, formation of a JPA is unnecessary. The Parties will form a JPA if and to the extent legally mandated.

h. Participation: The KRGSA will ensure that all additional agencies (including the County) will have a continuous opportunity to participate in the preparation, review, and adoption of the GSP. The term "participate" in this context means access to all non-privileged drafts, reports, technical information, and other materials and communications, and an ability to be actively engaged in all open meetings related to the preparation, review, and adoption of the GSP. "Actively engaged" means as a signatory to the MOU (i.e., an "additional agency") and more than as a member of the general public.

i. Oil & Gas: The KRGSA will cooperate with the County, the oil and gas industry, and the State Department of Water Resources to preserve and protect available water supplies. Additionally, the GSP may incorporate current adopted mitigation measures found in the Oil and Gas Environmental Impact Report approved by the Board of Supervisors as a means to address best management practices and related GSA oil and gas concerns.

APPROVED AS TO CONTENT:

COUNTY OF KERN

By:   
MICK GLEASON, Board Chair

DEC 06 2016

DATE: \_\_\_\_\_

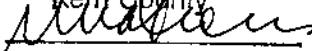
APPROVED AS TO CONTENT:

KERN RIVER GROUNDWATER SUSTAINABILITY AGENCY

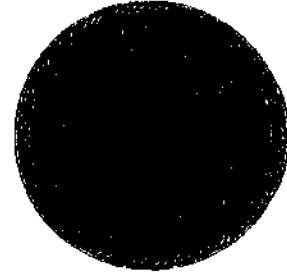
By:   
RODNEY PALLA, Board Chair

DATE: Dec. 1 2016

APPROVED AS TO FORM  
Office of County Counsel  
Kern County

By: 





## KERN RIVER GSA

Rodney J. Palla, Chair  
Bob Smith  
Gene Lundquist

June 14, 2019

Mr. Alan Christensen  
Chief Deputy CAO  
County Administrative Office  
1115 Truxtun Avenue, Fifth Floor  
Bakersfield CA, 93301-4639

Dear Mr. Christensen:

This letter is in response to your June 4, 2019 letter (enclosed) to the Kern River Groundwater sustainability Agency (KRGSA), in which you requested the KRGSA manage certain non-districted areas (white lands) within the current boundaries of the KRGSA.

As you referenced in your letter, the December 6, 2016 Memorandum of Understanding (MOU) between the County of Kern and the KRGSA (enclosed) includes the following language:

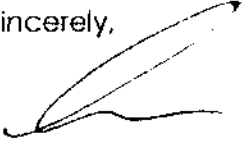
2. County has jurisdiction over certain lands within the Kern County Sub-basin which the County may wish to designate for inclusion within the boundaries of the KRGSA. The KRGSA will consider inclusion within the boundaries of the KRGSA of the lands designated by the County and, if included, such lands shall be subject to the MOU, the KRGSA Bylaws, and any rules or regulations of the KRGSA heretofore or hereafter adopted or amended.

3c. White Lands: The KRGSA will manage "white lands" included within its boundaries if requested to do so by the County.

The KRGSA Board of Directors recently approved the County's request and this letter serves as confirmation that the KRGSA will manage and monitor the "white land" areas within the boundaries of the KRGSA (see areas outlined in red on the enclosed map), pursuant to the MOU. It is the view of the KRGSA that the existing MOU with the County provides for this inclusion and management activity and no further agreement is

necessary. Please provide the County's concurrence by returning a signed copy of this letter to the KRGSA so we may proceed accordingly.

Sincerely,

A handwritten signature in black ink, appearing to read 'Rodney Palla', written in a cursive style.

Rodney Palla -Chair  
Kern River Groundwater Sustainability Agency

Enclosures

A handwritten signature in black ink, appearing to read 'Ata', written in a cursive style.  

---

On Behalf of the County of Kern

# **APPENDIX D**

## **First Amended Kern County Subbasin Coordination Agreement**

**FIRST AMENDED KERN COUNTY SUBBASIN COORDINATION AGREEMENT:**

The Final First Amended Kern County Subbasin Coordination Agreement has been adopted and executed by the Kern River Groundwater Sustainability Agency (KRGSA) for the Amended KRGSA GSP. The complete amended Agreement with revised appendices is being uploaded separately to the SGMA Portal by the Point of Contact for the entire Kern County Subbasin and is not duplicated in this Amended KRGSA GSP.

# **APPENDIX E**

## **GSP Preparation Checklist California Department of Water Resources (DWR)**

GSP Regulation Section	Water Code Section	Requirement	Description	Section(s) or Page Number(s) in the GSP
<b>Article 3. Technical and Reporting Standards</b>				
352.2		Monitoring Protocols	<ul style="list-style-type: none"> <li>Monitoring protocols adopted by the GSA for data collection and management</li> <li>Monitoring protocols that are designed to detect changes in groundwater levels, groundwater quality, inelastic surface subsidence for basins for which subsidence has been identified as a potential problem, and flow and quality of surface water that directly affect groundwater levels or quality or are caused by groundwater extraction in the basin</li> </ul>	Section 6
<b>Article 5. Plan Contents, Subarticle 1. Administrative Information</b>				
354.4		General Information	<ul style="list-style-type: none"> <li>Executive Summary</li> <li>List of references and technical studies</li> </ul>	Page ES-1; Section 9
354.6		Agency Information	<ul style="list-style-type: none"> <li>GSA mailing address</li> <li>Organization and management structure</li> <li>Contact information of Plan Manager</li> <li>Legal authority of GSA</li> <li>Estimate of implementation costs</li> </ul>	Section 1.3; Section 1.3.1; Page 1-3; Section 1.3.2; Section 1.3.3
354.8.a	10727.2.(a).4	Map(s)	<ul style="list-style-type: none"> <li>Area covered by GSP</li> <li>Adjudicated areas, other agencies within the basin, and areas covered by an Alternative</li> <li>Jurisdictional boundaries of federal or State land</li> <li>Existing land use designations</li> <li>Density of wells per square mile</li> </ul>	Figures 1-1 and 2-1; Figures 1-2, 2-3, 2-4; Figure 2-2; Figures 2-5 - 2-9; Figures 2-11, 2-12, 2-13, 2-14
354.8.b		Description of the Plan Area	<ul style="list-style-type: none"> <li>Summary of jurisdictional areas and other features</li> </ul>	Section 2, Sections 2.1, 2.2; Figures 2-1 - 2-15
354.8.c, d, e	10727.2(g)	Water resource monitoring and management programs	<ul style="list-style-type: none"> <li>Description of water resources monitoring and management programs</li> <li>Description of how the monitoring networks of those plans will be incorporated into the GSP</li> <li>Description of how those plans may limit operational flexibility in the basin</li> <li>Description of conjunctive use programs- Description of conjunctive use programs</li> </ul>	Section 2.5.1; Page 2-22; Page 2-22; Section 2.5.2, 2.4, Table 2-2, Section 3.2.4.3
354.8.f	10727.2(g)	Land Use Elements or Topic Categories of Applicable General Plans	<ul style="list-style-type: none"> <li>Summary of general plans and other land use plans</li> <li>Description of how implementation of the GSP may change water demands or affect achievement of sustainability and how the GSP addresses those effects</li> <li>Description of how implementation of the GSP may affect the water supply assumptions of relevant land use plans</li> <li>Summary of the process for permitting new or replacement wells in the basin</li> <li>Information regarding the implementation of land use plans outside the basin that could affect the ability of the Agency to achieve sustainable groundwater management</li> </ul>	Section 2.6, 2.6.1 - 2.6.3; Tables 2-4, 2-5, 2-6; Section 2.6.5; Section 2.6.4 (permitting); Section 2.6.5, last sentence.
354.8.g	10727.4	Additional GSP Contents	<p><b>Description of Actions related to:</b></p> <ul style="list-style-type: none"> <li>Control of saline water intrusion</li> <li>Wellhead protection</li> <li>Migration of contaminated groundwater</li> <li>Well abandonment and well destruction program</li> <li>Replenishment of groundwater extractions</li> <li>Conjunctive use and underground storage</li> <li>Well construction policies</li> <li>Addressing groundwater contamination cleanup, recharge, diversions to storage, conservation, water recycling, conveyance, and extraction projects</li> <li>Efficient water management practices</li> <li>Relationships with State and federal regulatory agencies</li> <li>Review of land use plans and efforts to coordinate with land use planning agencies to assess activities that potentially create risks to groundwater quality or quantity</li> <li>Impacts on groundwater dependent ecosystems</li> </ul>	Section 2.6.6 (a) through 2.6.6 (l); See also Section 2.5; Wellhead/Recharge - Section 2.4.6, 2.5.2, 3; Contamination: 3.4.6; Well policies: 2.6.4; Replenishment/Conj. Use: 2.5.2; Water recycling 2.4.4, Table 2-1; Land use Tables 2-4, 2-5. GDEs Section 2.5.1

GSP Regulation Section	Water Code Section	Requirement	Description	Section(s) or Page Number(s) in the GSP
354.10		Notice and Communication	<ul style="list-style-type: none"> <li>Description of beneficial uses and users</li> <li>List of public meetings</li> <li>GSP comments and responses</li> <li>Decision-making process</li> <li>Public engagement</li> <li>Encouraging active involvement</li> <li>Informing the public on GSP implementation progress</li> </ul>	Section 2.7; Appendix F
<b>Article 5. Plan Contents, Subarticle 2. Basin Setting</b>				
354.14		Hydrogeologic Conceptual Model	<ul style="list-style-type: none"> <li>Description of the Hydrogeologic Conceptual Model</li> <li>Two scaled cross-sections</li> <li>Map(s) of physical characteristics: topographic information, surficial geology, soil characteristics, surface water bodies, source and point of delivery for imported water supplies</li> </ul>	Section 3.1; Figures 3-20, 3-21, and 3-22; Figures 3-1 through 3-5, 3-7, 3-8, and 3-11
354.14.c.4	10727.2.(a).5	Map of Recharge Areas	<ul style="list-style-type: none"> <li>Map delineating existing recharge areas that substantially contribute to the replenishment of the basin, potential recharge areas, and discharge areas</li> </ul>	Figures 2-9, 3-11, 3-12;
	10727.2.(d).4	Recharge Areas	<ul style="list-style-type: none"> <li>Description of how recharge areas identified in the plan substantially contribute to the replenishment of the basin</li> </ul>	Section 3.2.4.3 and 3.2.4.5; Figures 2-9, 3-11, 3-12;
354.16	10727.2.(a).1, 10727.2.(a).2	Current and historical groundwater conditions	<ul style="list-style-type: none"> <li>Groundwater elevation data</li> <li>Estimate of groundwater storage</li> <li>Seawater intrusion conditions</li> <li>Groundwater quality issues</li> <li>Land subsidence conditions</li> <li>Identification of interconnected surface water systems</li> <li>Identification of groundwater-dependent ecosystems</li> </ul>	Section 3.3.2; Section 3.3.3; Section 2.6.6 (a); Section 3.3.4 Section 3.3.5; Section 3.3.6; Section 3.3.6;
354.18	10727.2.(a).3	Water Budget Information	<ul style="list-style-type: none"> <li>Description of inflows, outflows, and change in storage</li> <li>Quantification of overdraft</li> <li>Estimate of sustainable yield</li> <li>Quantification of current, historical, and projected water budgets</li> </ul>	Section 4; Section 4.4.1 and 4.5.4; Section 4.5.5; Sections 4.2, 4.3, and 4.7;
	10727.2.(d).5	Surface Water Supply	<ul style="list-style-type: none"> <li>Description of surface water supply used or available for use for groundwater recharge or in-lieu use</li> </ul>	Section 2.5.2
354.20		Management Areas	<ul style="list-style-type: none"> <li>Reason for creation of each management area</li> <li>Minimum thresholds and measurable objectives for each management area</li> <li>Level of monitoring and analysis</li> <li>Explanation of how management of management areas will not cause undesirable results outside the management area</li> <li>Description of management areas</li> </ul>	Section 5.2; Section 5.3.1 and 5.3.2; Also Section 5.4 - 5.8, Sections 6.2.2, 6.2.4, and 6.2.5; Section 5.3; Section 5.2.1, 5.2.2, and 5.2.3; (Also Sections 5.4 - 5.8);
<b>Article 5. Plan Contents, Subarticle 3. Sustainable Management Criteria</b>				
354.24		Sustainability Goal	<ul style="list-style-type: none"> <li>Description of the sustainability goal</li> </ul>	Section 5.1
354.26		Undesirable Results	<ul style="list-style-type: none"> <li>Description of undesirable results</li> <li>Cause of groundwater conditions that would lead to undesirable results</li> <li>Criteria used to define undesirable results for each sustainability indicator</li> <li>Potential effects of undesirable results on beneficial uses and users of groundwater</li> </ul>	Sections 5.4, 5.5, 5.5, 5.5, 5.7, 5.7, 5.8, and 5.8; Section 5.4.1; 5.5.1, 5.7.1; Section 5.4.2, 5.5.3, 5.5.2, 5.5.3, 5.7.2, 5.7.3, 5.8.2, and 5.8.3; Section 5.4.4, 5.5.4, 5.7.4, 5.8.4
354.28	10727.2.(d).1, 10727.2.(d).2	Minimum Thresholds	<ul style="list-style-type: none"> <li>Description of each minimum threshold and how they were established for each sustainability indicator</li> <li>Relationship for each sustainability indicator</li> <li>Description of how selection of the minimum threshold may affect beneficial uses and users of groundwater</li> <li>Standards related to sustainability indicators</li> <li>How each minimum threshold will be quantitatively measured</li> </ul>	Section 5.3.1, 5.3.3, 5.4.4, 5.5.4, 5.7.4, 5.8.4, 5.10, Appendix J; Section 5.3.3, 5.4.4, 5.5.4, 5.7.4, 5.8.4; Section 5.3.3, 5.4.4, 5.5.4, 5.7.4, 5.8.4; Section 5.7.4; Section 6



GSP Regulation Section	Water Code Section	Requirement	Description	Section(s) or Page Number(s) in the GSP
354.30	10727.2.(b).1, 10727.2.(b).2, 10727.2.(d).1 10727.2.(d).2	Measureable Objectives	<ul style="list-style-type: none"> <li>Description of establishment of the measureable objectives for each sustainability indicator</li> <li>Description of how a reasonable margin of safety was established for each measureable objective</li> <li>Description of a reasonable path to achieve and maintain the sustainability goal, including a description of interim milestones</li> </ul>	Section 5.3.2, 5.3.3, 5.4.4, 5.5.4, 5.7.4, 5.8.4, Appendix J; Section 5.3.3, 5.4.4, 5.5.4, 5.7.4, 5.8.4; Section 5.11;
<b>Article 5. Plan Contents, Subarticle 4. Monitoring Networks</b>				
354.34	10727.2.(d).1, 10727.2.(d).2, 10727.2.(e), 10727.2.(f)	Monitoring Network	<ul style="list-style-type: none"> <li>Description of monitoring network</li> <li>Description of monitoring network objectives</li> <li>Description of how the monitoring network is designed to: demonstrate groundwater occurrence, flow directions, and hydraulic gradients between principal aquifers and surface water features; estimate the change in annual groundwater in storage; monitor seawater intrusion; determine groundwater quality trends; identify the rate and extent of land subsidence; and calculate depletions of surface water caused by groundwater extractions</li> <li>Description of how the monitoring network provides adequate coverage of Sustainability Indicators</li> <li>Density of monitoring sites and frequency of measurements required to demonstrate short-term, seasonal, and long-term trends</li> <li>Scientific rational (or reason) for site selection</li> <li>Consistency with data and reporting standards</li> <li>Corresponding sustainability indicator, minimum threshold, measureable objective, and interim milestone</li> </ul>	Sections 5.10, 6.2; Section 6.1; Section 6.2.1, 5.4, 5.5, 5.7; 5.8; Section 5.10, 6.2; Section 6.2.2; Section 6.2.1; Section 6.5; Section 6.2;
			<ul style="list-style-type: none"> <li>Location and type of each monitoring site within the basin displayed on a map, and reported in tabular format, including information regarding the monitoring site type, frequency of measurement, and the purposes for which the monitoring site is being used</li> <li>Description of technical standards, data collection methods, and other procedures or protocols to ensure comparable data and methodologies</li> </ul>	Table 6-1, Figure 6-1, 6-22; Section 6.2.1, Appendix I;
354.36		Representative Monitoring	<ul style="list-style-type: none"> <li>Description of representative sites</li> <li>Demonstration of adequacy of using groundwater elevations as proxy for other sustainability indicators</li> <li>Adequate evidence demonstrating site reflects general conditions in the area</li> </ul>	Section 6.2.1; Sections 5.4, 5.5, 5.7; 5.8; Sections 5.4, 5.5, 5.7; 5.8;
354.38		Assessment and Improvement of Monitoring Network	<ul style="list-style-type: none"> <li>Review and evaluation of the monitoring network</li> <li>Identification and description of data gaps</li> <li>Description of steps to fill data gaps</li> <li>Description of monitoring frequency and density of site</li> </ul>	Sections 5.10; 7.2.10; Sections 3.4, 4.8; Section 7.2; Section 6.2.2, 7.2.1;
<b>Article 5. Plan Contents, Subarticle 5. Projects and Management Actions</b>				
354.44		Projects and management actions	<ul style="list-style-type: none"> <li>Description of projects and management actions that will help achieve the basin's sustainability goal</li> <li>Measureable objective that is expected to benefit from each project and management action</li> <li>Circumstances for implementation</li> <li>Public noticing</li> <li>Permitting and regulatory process</li> <li>Time-table for initiation and completion, and the accrual of expected benefits</li> <li>Expected benefits and how they will be evaluated</li> <li>How the project or management action will be accomplished. If the projects or management actions rely on water from outside the jurisdiction of the Agency, an explanation of the source and reliability of that water shall be included.</li> <li>Legal authority required</li> <li>Estimated costs and plans to meet those costs</li> <li>Management of groundwater extractions and recharge</li> </ul>	Sections 7.1, 7.2; Sections 7.1, 7.2; Sections 7.1,, 7.2, 7.3; Sections 7.1, 7.2; Sections 7.1, 7.2; Table 8-1; Sections 7.1, 7.2, 7.3, 5.10; Sections 7.1, 7.2, 7.3, 7.4; Sections 7.1, 7.2, 7.3, 7.4; Section 8.1; Sections 7.2.3;
354.44.b.2	10727.2.(d).3		<ul style="list-style-type: none"> <li>Overdraft mitigation projects and management action</li> </ul>	Section 7.1.1.1; 7.1.2.1, 7.1.3;
<b>Article 8. Interagency Agreements</b>				

GSP Regulation Section	Water Code Section	Requirement	Description	Section(s) or Page Number(s) in the GSP
357.40	10727.6	Coordination Agreements - Shall be submitted to the Department together with the GSPs for the basin and, if approved, shall become part of the GSP for each participating Agency.	<p><b>Coordination Agreements shall describe the following:</b></p> <ul style="list-style-type: none"> <li>• A point of contact</li> <li>• Responsibilities of each Agency</li> <li>• Procedures for the timely exchange of information between Agencies</li> <li>• Procedures for resolving conflicts between Agencies</li> <li>• How the Agencies have used the same data and methodologies to coordinate GSPs</li> <li>• How the GSPs implemented together satisfy the requirements of SGMA</li> <li>• Process for submitting all Plans, Plan amendments, supporting information, all monitoring data and other pertinent information, along with annual reports and periodic evaluations</li> <li>• A coordinated data management system for the basin</li> <li>• Coordination agreements shall identify adjudicated areas within the basin, and any local agencies that have adopted an Alternative that has been accepted by the Department</li> </ul>	Appendix D;

# **APPENDIX F**

## **KRGSA Communication and Engagement Plan for the Groundwater Sustainability Plan**

**KERN RIVER  
GROUNDWATER SUSTAINABILITY AGENCY**

**COMMUNICATION & ENGAGEMENT  
PLAN FOR THE GROUNDWATER  
SUSTAINABILITY PLAN**



**AUGUST 2019  
REVISED JANUARY 2020**

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**KERN RIVER  
GROUNDWATER SUSTAINABILITY AGENCY**

**COMMUNICATION & ENGAGEMENT PLAN FOR  
THE GROUNDWATER SUSTAINABILITY PLAN**

**Prepared for:**

Kern River Groundwater Sustainability Agency  
City Hall North  
1600 Truxtun Avenue  
Bakersfield, CA 93301  
KernRiverGSA.org

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**Consultants:**

Horizon Water and Environment  
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Phone: (510) 986-1851

August 2019  
*Revised January 2020*



**TABLE OF CONTENTS**

*Acronyms and Abbreviations*.....*iii*

***SECTION 1. Introduction***..... **1**

1.1. Kern River Groundwater Sustainability Agency Overview ..... 1

1.2. Communication and Engagement Plan Goals and Purpose..... 2

1.3. SGMA Requirements and Guidance for Outreach..... 3

1.4. Geographic Scales of the Communication and Engagement Plan..... 5

1.5. Overview of Interested Parties ..... 8

1.6. Notification of Intent to DWR..... 8

***SECTION 2. KRGSA Organization and Governance***..... **9**

***SECTION 3. Communication and Engagement within KRGSA Service Area***..... **11**

3.1. KRGSA Website ..... 11

3.2. Public Meetings and Workshops..... 11

    3.2.1. KRGSA Technical Groundwater Workshops..... 11

    3.2.2. General Community Engagement Workshops..... 12

3.3. General Outreach and Audience Mapping ..... 12

    3.3.1. Outreach for Interested Parties ..... 13

    3.3.2. Interested Parties and Individuals Requesting Information..... 14

3.4. Targeted Meetings with Interested Parties..... 14

3.5. Outreach to Disadvantaged Communities ..... 14

3.6. Public Comments on the Draft GSP and Responses..... 15

3.7. Ongoing Communication and Public Outreach..... 16

***SECTION 4. Communication and Engagement Across Kern County Subbasin***..... **17**

4.1. General Kern County Subbasin Coordination and Outreach..... 17

    4.1.1. Regular and Special KRGSA Board Meetings..... 17

    4.1.2. Coordination with Kern Groundwater Authority..... 17

    4.1.3. Other Subbasin Coordination..... 18

4.2. Technical and Modeling Coordination and Outreach in Kern County Subbasin ..... 18

***SECTION 5. KRGSA Communication and Engagement Outside of Subbasin*** ..... **19**

5.1. Participation in DWR Forums and Workshops..... 19

5.2. White Paper Development..... 19

5.3. Other Board Meetings and Workshops ..... 19

***SECTION 6. General Schedule***.....**20**

*References* ..... **21**



**Appendices**

- Attachment F.1 – List of Interested Parties
- Attachment F.2 – Schedule of KRGSA and Agency Board Meetings
- Attachment F.3 – Public Workshop Schedule
- Attachment F.4 – Public Workshop Materials
- Attachment F.5 – Targeted Workshop Materials
- Attachment F.6 – Comments on the Draft GSP and Responses

**List of Figures**

Figure 1-1 Kern County Subbasin Boundary ..... 6

Figure 1-2 KRGSA Boundary ..... 7

Figure F.1-1 Disadvantaged Communities within KRGSA Service Area ..... F.1-1

**List of Tables**

Table 3-1 Outreach Effort Approach for Interested Party Categories ..... 13

**ACRONYMS AND ABBREVIATIONS**

CGC	California Government Code
City	City of Bakersfield
Communication Plan	<i>Communication and Engagement Plan for the Groundwater Sustainability Plan</i>
CWC	California Water Code
DAC	Disadvantaged Community
Draft Strategic Plan	<i>Sustainable Groundwater Management Plan DRAFT Strategic Plan</i>
DWR	Department of Water Resources
GSA	Kern River Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
ID4	Improvement District No. 4
KCWA	Kern County Water Agency
KDWD	Kern-Delta Water District
KRGSA	Kern River Groundwater Sustainability Agency
MOU	Memorandum of Understanding
NOD	<i>Notice of Decision to Become a Groundwater Sustainability Agency</i>
NOI	Notice of Intent
Plan	<i>Communication and Engagement Plan for the Groundwater Sustainability Plan</i>
Regulations Guide	<i>Sustainable Groundwater Management Program Groundwater Sustainability Plan (GSP) Emergency Regulations Guide</i>
SGMA	Sustainable Groundwater Management Plan
Subbasin	Kern County Subbasin (No. 5-22.14)

## **SECTION 1. INTRODUCTION**

The Sustainable Groundwater Management Act (SGMA) became state law in 2015 and requires that important groundwater basins in California be managed sustainably. Local groundwater sustainability agencies (GSAs) are empowered to develop groundwater sustainability plans (GSPs) that establish a basic understanding of groundwater resources in the basin and describe the planning and management actions that are being implemented so that undesirable results are avoided through the active management of the basin. SGMA requires that all basins designated as high- or medium-priority basins subject to critical overdraft conditions are to be managed under a GSP or coordinated GSPs (California Water Code [CWC] Section 10720.7). The Kern County Subbasin is a high-priority basin and is identified as having critical overdraft conditions.

This introductory section of the Communication and Engagement Plan (Communication Plan or Plan) introduces the Kern River Groundwater Sustainability Agency (KRGSA), the development of its GSP, and summarizes the purpose of this Communication Plan within the GSP framework. This section also describes the regulations and requirements of the SGMA that pertain to public outreach and receiving stakeholder input and introduces the geographic scales (tiers) used to organize this Plan. This section also summarizes the categories of interested parties from which the KRGSA is soliciting input during GSP development and outlines the outreach efforts for various interested parties.

### **1.1. Kern River Groundwater Sustainability Agency Overview**

Per California Water Code (CWC) Section 10723.8(a), the City of Bakersfield (City), Kern-Delta Water District (KDWD), and Improvement District No. 4 (ID4) of the Kern County Water Agency (KCWA) formed the KRGSA for a portion of the Kern County Subbasin (No. 5-22.14) (Subbasin) as defined in Department of Water Resources (DWR) Bulletin 118 (California Department of Water Resources, 2003) within the San Joaquin Valley Groundwater Basin.

On March 1, 2, and 31 of 2016, the KDWD Board of Directors (Board), City of Bakersfield City Council, and KCWA Board, respectively, held public hearings per CWC Section 10723(b) regarding formation of the KRGSA. On March 15, 2016, the KDWD Board passed Resolution 2016-03 wherein the District resolved to become a GSA in cooperation with the City and ID4. On March 30, 2016, the City Council passed Resolution 039-16 wherein the City resolved to become a GSA in cooperation with KDWD and ID4. On March 31, 2016, the KCWA Board passed Resolution 11-16 wherein ID4 resolved to become a GSA in cooperation with the KDWD and the City. The noticing processes for KDWD, the City, and ID4 were consistent with the requirements of California Government Code (CGC) Section 6066.

A Memorandum of Understanding (MOU) was developed between the City, KDWD, and ID4 to form the KRGSA and manage groundwater resources sustainably within the GSA

boundary. This MOU includes the following additional participating agencies that have joined the KRGSA:

- East Niles Community Services District
- Oildale Mutual Water Company / North of the River Municipal Water District

The following private entities are also participating in the KRGSA:

- California Water Service Company
- Vaughn Water Company

In April 2016, the newly formed KRGSA submitted a notification and supporting materials to the California Department of Water Resources (DWR) describing the forming of the KRGSA. DWR posted the KRGSA Notice on its website on April 21, 2016. The KRGSA Notice underwent the 90-day noticing period, which was interrupted for a few months while the KRGSA clarified and removed some small boundary overlaps with the County of Kern's GSA. The KRGSA became an exclusive GSA in February 2017.

## **1.2. Communication and Engagement Plan Goals and Purpose**

The purpose of this Communication and Engagement Plan is to:

- Describe the process by which the KRGSA engages with the community and stakeholders to inform them of the GSP development process and provide a basis to receive input from the community regarding the GSP;
- Provide a basis to document and demonstrate how the KRGSA communicated with and engaged stakeholders throughout the development of the GSP;
- Comply with SGMA communication and engagement guidance and requirements;
- Provide a basis to share with the public the KRGSA's governance and decision-making process, and methods for disseminating information;
- Serve as the "communications section" of the GSP;
- Demonstrate compliance with SGMA requirements for communication and public engagement; and
- Be a living document throughout the GSP development process to serve the KRGSA's needs for communication and engagement.

### 1.3. SGMA Requirements and Guidance for Outreach

Per CWC Section 10723.2, GSAs shall consider the interests of all beneficial uses and users of groundwater within their service area as well as those responsible for implementing GSPs.

A core component to developing a GSP is communication and engagement. As stated in the *Sustainable Groundwater Management Plan Draft Strategic Plan* (Draft Strategic Plan) (California Department of Water Resources, 2015):

*Successful implementation [of the GSP] is directly tied to effective communication and outreach, in addition to coordination at all levels of government...In addition to communication, proactive outreach to and engagement of partners and stakeholders is essential to achieving sustainable groundwater management at the local and regional level. Local and regional agencies in turn must reach out to keep local citizens, groundwater users, and stakeholders informed. Adaptive, practical, and two-way communication is essential to establishing and maintaining the partnerships needed. This section of the Strategic Plan provides an overview of DWR's initial plan for communication, outreach, and coordination with partners. The key audiences for this effort include:*

- *State, Federal and Tribal Governments – Governor's Administration, Legislature and key state and federal agencies, tribes*
- *Regional and local governments and agencies – Water and groundwater management agencies and districts; land use entities such as counties and cities*
- *Other stakeholders – Non-governmental organizations including water and groundwater, environmental, environmental justice, agriculture; universities*
- *General public – Residents, employers, and employees who live and/or work within the KRGSA boundaries*

The Draft Strategic Plan (California Department of Water Resources, 2015) describes how “communication” provides for continuous sharing of information on all aspects of SGMA implementation. DWR envisions that proactive, regular, and timely communication enable the following benefits to be developed between GSAs and their communities. The Draft Strategic Plan highlights that GSAs should:

- Engage – Seek and maintain collaboration and cooperation with other agencies and stakeholders, and solicit and encourage public participation in SGMA implementation
- Educate – Educate stakeholders, water users, and citizens on the requirements of the SGMA and water management sustainability objectives, and DWR's role in its implementation, relative to other State agencies

- Provide Accessibility – Provide easy access to informative materials, data, reports and DWR’s technical experts
- Demonstrate Accountability – Measure and report on progress and accomplishments in implementing the SGMA and provide transparency about DWR’s implementation activities

The Draft Strategic Plan (California Department of Water Resources, 2015) also provides that “outreach” is critical to successful implementation of the SGMA. Outreach, stakeholder and public engagement, and interaction through the GSP development process fosters proactive interaction of information, ideas, and the opportunity for a two-way exchange. The GSP Emergency Regulations Guide (Regulations Guide) (California Department of Water Resources, 2016), describe that a GSP must include a “communications section” for identifying and engaging the public stakeholders. This section should be developed as one of the first priorities of the plan (California Department of Water Resources, 2016).

GSP Regulations (Section 354.10) require a communications section to include the following:

1. An explanation of the GSA’s decision-making process.
2. Identification of opportunities for public engagement and a discussion of how public input and response will be used.
3. A description of how the GSA encourages active involvement of diverse social, cultural, and economic elements of the population within the basin.
4. The method the GSA shall follow to inform the public about progress implementing the Plan, including the status of projects and actions.

DWR released additional draft guidance documents for engagement and communication, including a Guidance Document for Groundwater Sustainability Plan – Stakeholder Communication and Engagement (C&E Guidance Document) (California Department of Water Resources, January 2018). The C&E Guidance Document describes how a GSP could meet public notification and engagement requirements in order to comply with the SGMA and GSP regulations. However, the C&E Guidance Document provides that GSAs have discretion on how they communicate and engage with beneficial uses and users of water within the basin.

During the adequacy review of the GSP, DWR will assess:

1. Whether the interests of the beneficial uses and users of groundwater in the basin, and the land uses and property interests potentially affected by the use of groundwater in the basin, have been considered; and
2. Whether the GSA or local agency has adequately responded to comments that raise credible technical or policy issues with the GSP or alternative.

This Communication Plan has been developed to follow and comply with the communication guidance of the Draft Strategic Plan, criteria and requirements of the SGMA Regulations Guide, and more recent guidance provided in the C&E Guidance Document as described above.

#### **1.4. Geographic Scales of the Communication and Engagement Plan**

The implementation of this Communication and Engagement Plan requires coordination and/or outreach at multiple geographical scales, ranging from topics of statewide attention to issues focused within the KRGSA service area. More specifically, these geographic zones are considered as follows:

- Engagement Within the KRGSA Service Area –The boundary of the KRGSA service area is nested within the greater Kern County Subbasin boundary. The KRGSA conducts more specific outreach directly to interested parties within the KRGSA service area to explain the GSA formation and GSP development process, receive feedback on these processes, and understand better the needs and concerns of the interested parties, stakeholders, and community members within the KRGSA service area.
- Engagement Across Kern County Subbasin – The KRGSA actively participates in outreach and planning activities, information exchanges, and coordination within the boundary of the Kern County Subbasin. This includes leadership and coordination for technical studies including groundwater model development for the benefit of the entire Kern County Subbasin. The KRGSA also participates in GSP coordination activities with multiple GSAs and other parties throughout the Kern County Subbasin. These activities provide the basis for the future coordination and alignment of multiple GSPs within the Kern County Subbasin.
- Engagement Outside Kern County Subbasin Boundary – The KRGSA participates in outreach and planning activities, information exchanges, and coordination with parties outside of the Kern County Subbasin including participating in statewide forums and providing technical documents for the benefit of other California GSAs.

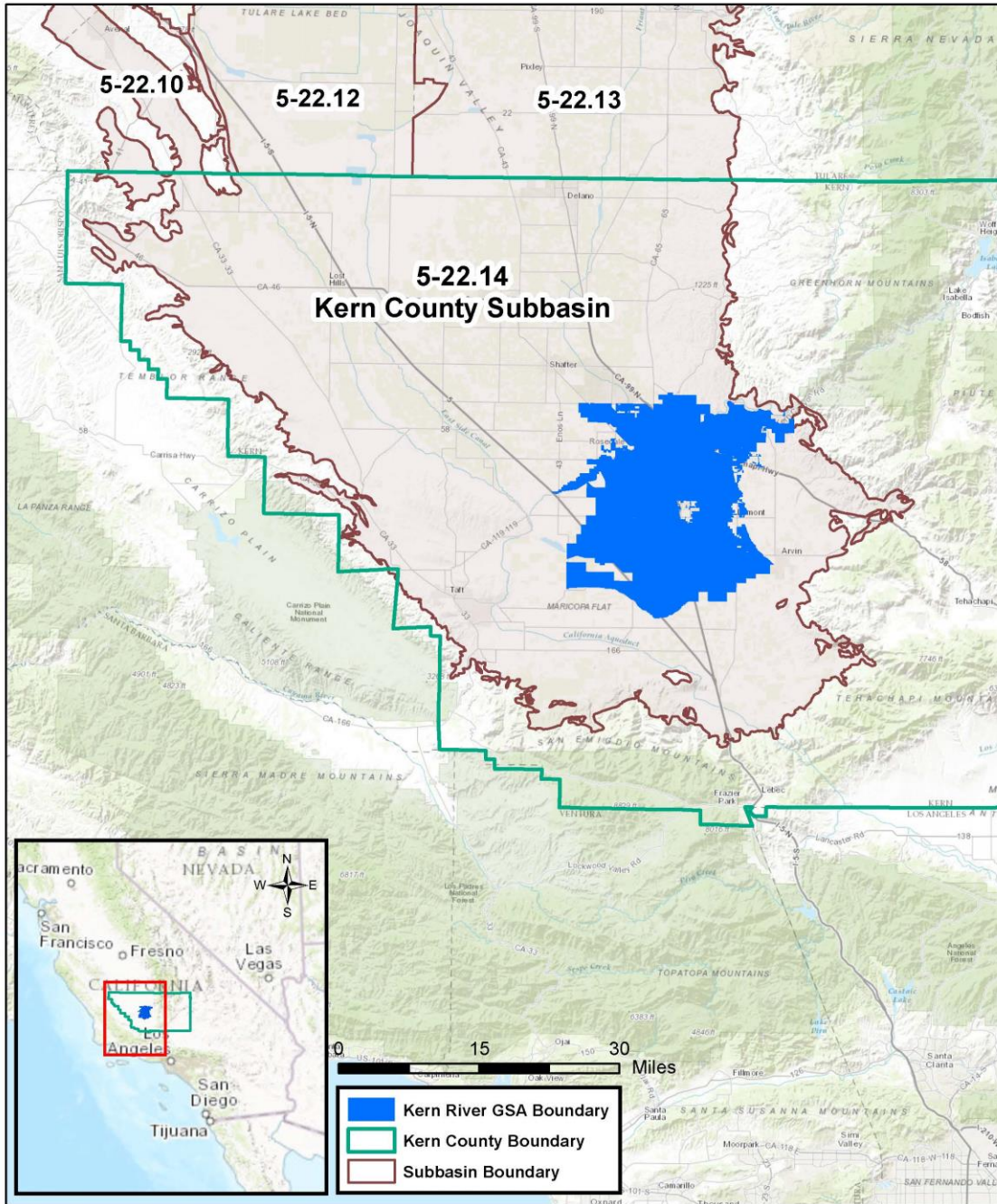
The Kern County Subbasin and KRGSA boundaries are shown in Figures 1-1 and 1-2, respectively.

**Note:** In fall 2019, the KRGSA added about 1,847 acres to the KRGSA and Plan Area boundaries with the incorporation of previously non-districted or “white” areas. This expansion is described, and an updated map of KRGSA boundaries is provided, in **Appendix K, Revisions to KRGSA and Plan Area Boundaries**, of the GSP. Because this additional area comprises less than 1% of the GSA’s total acreage, the maps and calculations provided in the GSP and this Communication & Engagement Plan have not been revised to reflect the expansion. Nonetheless, these lands have been analyzed and incorporated into the KRGSA GSP as described more fully in GSP Appendix K.

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# Kern River Groundwater Sustainability Agency (GSA)

Adopted GSA Boundary Within Subbasin 5-22.14 of the Tulare Lake Hydrologic Region



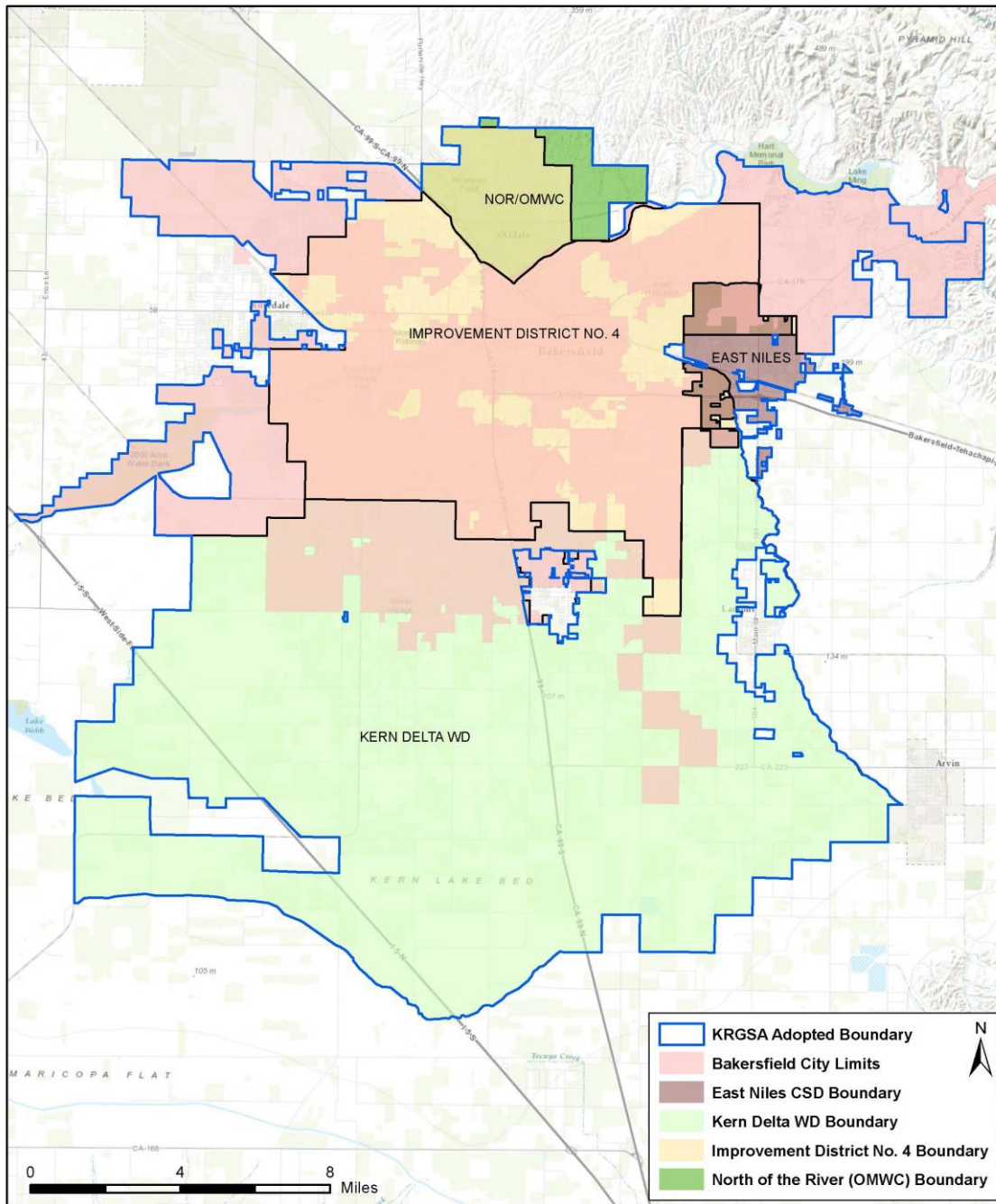
**Figure 1-1**  
**Kern County Subbasin Boundary**



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# Kern River Groundwater Sustainability Agency (GSA)

Adopted Boundary with Service Areas



**Figure 1-2**  
**KRGSA Boundary**

## **1.5. Overview of Interested Parties**

Pursuant to CWC Section 10723.2, a GSA shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing GSPs. The following list includes the categories of interested parties that have been identified for potential outreach by the KRGSA pursuant to CWC Section 10723.2:

- Holders of overlying groundwater rights, including:
  - Agricultural users and
  - Domestic well owners;
- Municipal well operators;
- Public water systems;
- Local land use planning agencies;
- Environmental users of groundwater;
- Surface water users;
- Federal government;
- California Native American tribes;
- Disadvantaged communities;
- Groundwater monitoring and reporting entities; and
- Specific interested parties requesting information and communication from KRGSA.

A complete list of interested parties is provided in Attachment F.1. More specific information regarding the KRGSA's approach to engaging with interested parties is described in Sections 3, 4, and 5 below.

## **1.6. Notification of Intent to DWR**

On May 19, 2017, the KRGSA sent DWR a notification of intent (NOI) to a develop a GSP pursuant to CWC Section 10727.8. In general, the NOI outlines the KRGSA communication and engagement efforts to date and briefly discusses efforts that are planned in the future. The NOI sent to DWR is provided in the GSP.

## **SECTION 2. KRGSA ORGANIZATION AND GOVERNANCE**

The governance and management of the KRGSA occurs through 4 primary units:

1. Board of Directors – One representative each from the City of Bakersfield, the Kern Delta Water District (KDWD), and Kern County Water Agency’s Improvement District 4 (ID4). The Board of Directors serves as the executive decision-making body of the KRGSA.
2. Participating Agencies – East Niles Community Services District, Oildale Mutual Water Company/North of the River Municipal Water District, California Water Service Company, and Vaughn Water Company are participating agencies in the KRGSA.
3. Management Group – A representative from each of the MOU signatory agencies of the KRGSA (City of Bakersfield, Kern Delta Water District, and Improvement District #4 – Kern County Water Agency) manages the day-to-day ongoing tasks that the KRGSA conducts, including: developing the GSP, coordinating with partner agencies across the Kern County Subbasin, managing consultants, and conducting outreach efforts within the KRGSA service area.
4. Legal Counsel – An attorney from each of the each of the MOU signatory agencies of the KRGSA (City of Bakersfield, Kern Delta Water District, and Improvement District #4 – Kern County Water Agency) guides the KRGSA on legal topics.

In terms of governing actions and decision-making, under the *Notice of Decision to Become a Groundwater Sustainability Agency*, the KRGSA may:

1. Adopt Standards for measuring and reporting water use,
2. Develop and implement policies designed to reduce or eliminate overdraft within the boundaries of the GSA,
3. Develop and implement conservation best management practices; and
4. Develop and implement metering, monitoring, and reporting related to groundwater pumping.

In addition, the MOU signatory agencies of the KRGSA have the decision-making power necessary to meet SGMA requirements, including the development and implementation of a GSP within the KRGSA boundaries. According to the MOU creating the KRGSA, it is the intent that all implementation actions occur following unanimous agreement by the signatory agencies. In order to properly conduct these responsibilities and decision-making processes, the parties meet regularly to discuss SGMA and GSP development and implementation activities, including this Communication & Engagement Plan. Decision-making occurs at routine KRGSA board and management team meetings. A list of these meetings can be found in Attachment F.2.

The KRGSA routinely decides how it will coordinate with partner agencies across the Kern County Subbasin and consultants to conduct the coordination and technical studies needed to develop the GSP. Activities to support the GSP objective include conducting coordination meetings, technical workshops, model development, data analysis, and other communication and engagement services within the KRGSA.

## **SECTION 3. COMMUNICATION AND ENGAGEMENT WITHIN KRGSA SERVICE AREA**

The following section discusses KRGSA’s outreach within the KRGSA service area.

### **3.1. KRGSA Website**

The KRGSA has developed a website ([kernrivergsa.org](http://kernrivergsa.org)) that provides information about the Agency, including its history, current Board members, and contact information. The website is also a repository of resources and documents such as the KRGSA bylaws, the agency’s notification package to the DWR for its formation, applicable geographical information system (GIS) shapefiles, and Board agendas and meeting minutes. The website also has a tab where a party can request inclusion in, and information regarding, KRGSA matters. Following release of the draft GSP in August 2019, the document was made available on the KRGSA website.

### **3.2. Public Meetings and Workshops**

The KRGSA has held public meetings and workshops throughout the development of the GSP. A list of regularly scheduled board meetings can be found in Attachment F.2. In addition, KRGSA agendas and minutes for regular Board meetings can be found on the “Board Members” tab of the KRGSA website at [www.kernrivergsa.org/?page\\_id=79](http://www.kernrivergsa.org/?page_id=79). KRGSA also holds special meetings and workshops approximately every quarter during the GSP development process. Attachment F.3 lists the public meetings and workshops held by the KRGSA.

The public meetings and workshops have varied in their location, timing, and content, but each served to meet the SGMA’s requirements of ensuring that (1) the interests of the beneficial uses and users of groundwater in the basin, and the land uses and property interests potentially affected by the use of groundwater in the basin, have been considered, and (2) the GSA has adequately responded to comments that raise credible technical or policy issues with the GSP.

The interested parties listed in Attachment F.1 are invited to KRGSA meetings and workshops and are also notified of all public meetings and workshops once they formally request such notifications.

#### **3.2.1. KRGSA TECHNICAL GROUNDWATER WORKSHOPS**

During the development of the KRGSA’s GSP, the Agency has held several technical workshops to guide the GSP development process. The schedule for these workshops is identified in the General Schedule provided in Attachment F.3. Attachment F.4 provides presentation materials for KRGSA meetings and workshops. KRGSA-sponsored technical workshops are listed below:

- Groundwater Supply Workshop – July 13, 2017
- C&E Workshop – General Public and DAC Workshop – September 2017
- C2VSim Modeling Workshop – November 2017
- Basin Setting Workshop – January 2018
- Hydrogeology Modeling/Groundwater Conditions Workshop – April 2018
- Kern County Subbasin Water Budget Workshop – June 2018
- General Public and DAC Workshop – August 2018
- General Public and DAC Workshop – November 2018
- Interested Parties Workshop – March 2019
- Groundwater Technical Workshop – April 2019
- Draft GSP Presentation – August 2019
- General Public and DAC Workshop – October 2019
- General Public and DAC Workshop – November 2019
- KDWD Grower Outreach Meeting – November 2019
- Draft GSP Presentation Including Public Comments – December 2019

### **3.2.2. GENERAL COMMUNITY ENGAGEMENT WORKSHOPS**

During the development of the KRGSA’s GSP, the Agency held several community workshops to solicit input and feedback on the GSP development process. The schedule for these workshops is identified in the General Schedule provided in Attachment F.3. Attachment F.4 provides presentation materials for KRGSA meetings and workshops.

### **3.3. General Outreach and Audience Mapping**

Pursuant to SGMA requirements, the KRGSA conducted extensive audience outreach and audience mapping to better understand the KRGSA’s constituency as part of developing this Communication & Engagement plan. This process included directly contacting and surveying potentially interested parties within the KRGSA’s boundaries. DWR’s Draft Communication and Engagement Plan (2017), provides guidance that GSA’s should include the following audiences for outreach, as interested parties to the GSA/GSP, as applicable:

- State, Federal, and Tribal Governments
- Regional and local governments and agencies
- Other stakeholders
- Disadvantaged Communities (DACs)
- General public

Section 3.3.1 describes the steps taken to conduct thorough, targeted outreach to the aforementioned interested parties.

**3.3.1. OUTREACH FOR INTERESTED PARTIES**

Under the SGMA, the KRGSA should conduct outreach to the interested parties in its service area. The KRGSA conducted initial outreach by utilizing water service records to contact parties identified as interested stakeholders, including service providers and registered groundwater users. This process included, where possible, direct phone calls and emails notifying parties about KRGSA activities including workshops, public meetings, and other events. The targeted outreach effort also collected primary contact information from interested parties. Data collected includes names, phone numbers, email addresses, and organizational information. This data enables efficient and targeted sharing of pertinent information in the future.

Interested parties are also engaged through additional communication and engagement efforts happening at the Kern County Subbasin scale. Table 3-1 describes what type of outreach effort has been conducted for the different interested party categories.

**Table 3-1  
Outreach Effort Approach for Interested Party Categories**

Interested Party Category	Outreach Approach		
	KRGSA Service Area	Kern County Subbasin	
		GSP and Management Coordination with Other GSAs	Technical Studies and Coordination
Agricultural users <sup>1</sup>	X	X	
Domestic well owners <sup>1</sup>	X	X	
Municipal well operators <sup>2</sup>	X		X
Public water systems <sup>2</sup>	X		X
Local land use planning agencies <sup>1</sup>	X	X	
Environmental users of groundwater <sup>3</sup>	X		
Surface water users	X		X
Disadvantaged communities <sup>3</sup>	X		
Groundwater monitoring and reporting entities <sup>2</sup>	X		X

<sup>1</sup>For large agricultural users and well owners outside of the KRGSA - some outreach and coordination may be needed if the other GSA is developing goals, policies, and implementation measures applicable to a large area that may potentially also affect the KRGSA.

<sup>2</sup>Some operators and systems are tasked with monitoring and maintaining water use records and may have valuable input on technical studies or cross-subbasin coordination.

<sup>3</sup>Outreach with these parties is specific to the KRGSA service area.

In the *Notice of Decision to Become a Groundwater Sustainability Agency* (NOD) (Kern River Groundwater Sustainability Agency, 2016), the KRGSA determined that there are no known lands owned or operated by the federal government within the GSA. Therefore, this interested party category is excluded from further consideration in this Communication Plan. Additionally, the NOD determined that there are no known lands owned or operated by California Native American tribes within the GSA and therefore, this interested party category is also excluded.

GSP communication and engagement must include outreach to Disadvantaged Communities (DACs) in the GSA service area. Serving the needs of low-income communities is a high priority for DWR to ensure that such communities receive due consideration in the development of GSPs. There are several DACs within KRGSA boundaries, and this Communication & Engagement Plan specifically included efforts to reach these communities. More information about measures used to engage the DACs in the KRGSA service area included in Section 3.5. Attachment F.1 lists the DACs in the KRGSA service area and provides a map of their locations by census block.

### **3.3.2. INTERESTED PARTIES AND INDIVIDUALS REQUESTING INFORMATION**

In addition to the interested parties discussed above, the KRGSA received correspondence from specific interested parties and individuals requesting that they receive information (e.g., notices, meeting announcements, documents) related to the development of the GSP. Attachment F.1 provides information about these additional interested parties and individuals.

### **3.4. Targeted Meetings with Interested Parties**

In addition to roughly quarterly public meetings and workshops, the KRGSA also held a series of targeted meetings with various interested parties to provide updates on the GSP development process and to receive specific input on their interests for the GSP. These targeted meetings were designed to inform targeted parties of KRGSA activities while providing a more personal forum to gather information and communicate with interested parties. Attachment F.5 lists the targeted meetings held by the KRGSA.

All interested parties and individuals listed in Attachment F.1 that requested to be notified of GSA activities were also notified of future targeted meetings once they formally requested such notifications.

### **3.5. Outreach to Disadvantaged Communities**

The California Department of Water Resources places a high priority on the inclusion of disadvantaged communities in Groundwater Sustainability Plan development. There are two main classifications: Disadvantaged Communities (DAC) and Severely Disadvantaged Communities (SDAC). California defines a DAC as “a community with an annual median household income that is less than 80 percent of the Statewide annual median household



income” (Water Code §79505.5). California defines an SDAC as “a community with an annual median household income that is less than 60 percent of the Statewide annual median household income” (Water Code § 79702(v)). These communities, widely dispersed throughout California and the Kern County Subbasin, are especially sensitive to groundwater overdraft and decreases in local water quality such as that in the KRGSA Service Area.

As part of the targeted engagement approach, the KRGSA has engaged Self Help Enterprises to assist in reaching out to and facilitating meetings with specifically targeted DACs or SDACs within the KRGSA service area that are mapped as such according to the state guidelines. A list of Disadvantaged and Severely Disadvantaged Communities that were identified for outreach can be found in Attachment F.1, and Figure F.1-1 identifies locations of these DACs by Census Tract within the KRGSA service area.

Meetings targeted toward informing and gathering the input of DACs and SDACs have been held at the following locations:

- August 20, 2018 – Fruitvale-Norris Park Recreation Room, 6221 Norris Road, Bakersfield, CA 93308
- November 13, 2018 – Bear Mountain Recreation David Head Center, 10300 San Diego St., Lamont, CA 93241
- October 15, 2019 – 601 Douglas St., Community Room, Bakersfield, CA 93308
- November 6, 2019 – Bear Mountain Recreation David Head Center, 10300 San Diego St., Lamont, CA 93241

Each presentation included a general overview of the SGMA, an introduction to the establishment of the KRGSA, and technical information about development of the GSP. All informational and promotional materials, including flyers, comment cards, stakeholder surveys, and copies of the presentation, are made available in English and Spanish. A Spanish-language translator is available at all DAC meetings to assist as needed.

### **3.6. Public Comments on the Draft GSP and Responses**

During the public review period for the Draft KRGSA GSP (August 21 through December 5, 2019), written comments were received on the draft document published in August 2019. Attachment F.6, *Comments on the Draft GSP and Responses*, provides a list of commenters, their affiliation, and the dates their comments were received.

Responses to public comments were incorporated into a presentation on the Draft KRGSA GSP given at the KRGSA Public Hearing held on December 5, 2019, prior to GSP adoption. That presentation is included as Item 15 in Attachment F.4, *Public Workshop Materials*. Some additional clarifying revisions were made to the Draft GSP to provide an improved understanding of several issues mentioned in the comment letters. Attachment F.6 contains a brief summary of the responses to the written comments, followed by each comment letter in its entirety.

### ***3.7. Ongoing Communication and Public Outreach***

Following adoption of a GSP by the Board, KRGSA will continue to engage in public outreach activities. Regular updates on the progress of GSP management actions and projects will be provided on the KRGSA website and at Board meetings. Information about groundwater monitoring and water quality data will be available through the annual reports provided to DWR. Additional outreach activities and opportunities for public input and feedback will be made available as appropriate during GSP implementation.

## **SECTION 4. COMMUNICATION AND ENGAGEMENT ACROSS KERN COUNTY SUBBASIN**

The following section discusses KRGSA’s coordination and outreach within the Kern County Subbasin.

### **4.1. General Kern County Subbasin Coordination and Outreach**

#### **4.1.1. REGULAR AND SPECIAL KRGSA BOARD MEETINGS**

The KRGSA Board holds regular meetings that are open and available to the public every first Thursday at 10:00 a.m. These meetings are usually located at City Hall North, 1600 Truxtun Avenue, Conference Room A, Bakersfield, CA, but occasionally have also been held at the Kern County Water Agency. The KRGSA Board also conducts special meetings to inform or discuss particular topics relevant to GSA coordination efforts or the development of the GSP. Both regular and special meetings of the KRGSA are noticed, follow an agenda, and occur under the purview of the Brown Act (Cal. Gov. Code Section 54950 *et seq.*), which governs open meetings for local government bodies. A list of KRGSA’s scheduled and special meetings is found in Attachment F.2. The agendas, presentation materials, and meeting minutes for regular and special meetings of the KRGSA can be found on the “Board Members” tab of the KRGSA website at [www.kernrivergsa.org/?page\\_id=79](http://www.kernrivergsa.org/?page_id=79). The agenda of the most current upcoming meeting is also posted under this tab prior to the meeting and in compliance with applicable law.

#### **4.1.2. COORDINATION WITH KERN GROUNDWATER AUTHORITY**

The Kern Groundwater Authority (KGA) provides local policy makers, stakeholders, and the public a forum to monitor, report, and discuss groundwater activities and issues in Kern County. The KGA is the largest GSA in the Kern County Subbasin and is composed of nineteen member agencies. The KGA has formed a GSA with its service area across Kern County, though its GSA boundary does not include areas that have already been designated as exclusive GSAs, such as within the KRGSA. The KGA has organized several workshops and meetings in Kern County to discuss groundwater ([www.kerngwa.com/workshops](http://www.kerngwa.com/workshops)) and representatives of the KRGSA have attended and participated in most of those meetings. In addition, KRGSA worked directly with KGA to prepare the SGWP Grant Application on behalf of the entire Kern County Subbasin.

The KRGSA management team sees the KGA as a valuable partner in Kern County to coordinate with on GSP development. Per SGMA requirements, the KRGSA and KGA have developed a coordination agreement to ensure that their respective GSPs are aligned and not contradictory. The KRGSA also sees the KGA as a valuable partner to coordinate with during the GSP implementation phases over the longer-term.

### **4.1.3. OTHER SUBBASIN COORDINATION**

In addition to the KGA, the KRGSA has also coordinated with other GSAs in the Kern County Subbasin, including the GSAs formed by the Buena Vista Water Storage District, Greenfield County Water District, West Kern Water District, Pioneer Groundwater Recharge and Recovery Project, Olcese Water District, Henry Miller Water District, Semitropic Water Storage District, McFarland, and Cawelo Water District. The KRGSA has invited representatives of these other GSAs to its regular meetings and scheduled workshops to keep these other regional groundwater management agencies apprised of the KRGSA's planning activities. Similarly, managers from the KRGSA have participated in several meetings and workshops sponsored by these other GSAs. For example, KRGSA participated in a SGMA Roundtable meeting on October 20, 2017, with almost every GSA within the subbasin to ensure GSP compliance. Similarly, KRGSA joined many of the GSAs in the region to participate in a series of SGMA Open Houses sponsored by KGA and the Kern County Farm Bureau on May 14, 2019, and September 26, 2019, at the Kern Ag Pavilion. The KRGSA is working closely with these other GSAs to develop appropriate coordination agreements to guide the implementation of the various GSPs.

### **4.2. Technical and Modeling Coordination and Outreach in Kern County Subbasin**

The KRGSA has taken an active role in leading the Subbasin-wide groundwater modeling efforts and has provided technical expertise to the benefit of the entire Subbasin. In partnership with the KGA and other entities, the KRGSA with its groundwater consultant Todd Groundwater, is developing a Subbasin-wide groundwater–surface water numerical model based on the DWR C2VSim model, which provides a common platform for sustainability analyses by GSAs in the Kern County Subbasin. More specifically, the modeling approach that KRGSA has sponsored enables GSAs to develop Subbasin-wide water budgets in compliance with GSP regulations. The modeling framework enables the GSAs to coordinate their GSP development across the Subbasin. KRGSA's leadership in developing these shared modeling tools has assisted the Subbasin in achieving its sustainability goals. Attachment F.3 lists the technical workshops led by the KRGSA. The interested parties identified in Attachment F.1 are invited to attend these technical workshops. All specific interested parties and individuals found in Attachment F.1 are also notified of future technical workshops once they formally request such notifications. Attachment F.4 provides presentation materials for technical workshops.

## **SECTION 5. KRGSA COMMUNICATION AND ENGAGEMENT OUTSIDE OF SUBBASIN**

The following section discusses KRGSA's leadership actions and coordination efforts outside of the Kern County Subbasin that support SGMA and provide coordination benefits across the state.

### **5.1. Participation in DWR Forums and Workshops**

The KRGSA has participated in DWR forums and workshops throughout the development of the GSP. These forums and workshops covered a variety of topics including, but not limited to, GSP preparation, coordination and outreach, and sustainable groundwater management. These forums and workshops occurred in various locations across the state, as well as in webinars. Attachment F.3 identifies the DWR forums and workshops that the KRGSA has participated in throughout the GSP development process.

In 2017, DWR announced Proposition 1 grant funding to assist GSAs with development of their GSPs. DWR hosted a Groundwater Sustainability Plan and Projects Grant Proposal Solicitation Workshop on September 27, 2017. KRGSA and KGA participated in this workshop as the primary GSAs in the Kern County Subbasin. KRGSA and KGA submitted a grant proposal in November 2017 and were awarded \$1.5 million in grant funding in April 2018.

DWR announced the availability of additional grant funding to support GSP development in July 2019 (SGM Grant Program). This grant was funded through Proposition 1 and Proposition 68. KRGSA, on behalf of the Kern County Subbasin GSAs, submitted a grant proposal on November 1, 2019, requesting funding to select and develop a data management system for the Subbasin. At this time, applications are being evaluated.

### **5.2. White Paper Development**

A draft coordination agreement has been developed for Kern County Subbasin GSAs and is undergoing legal review as of November 2018. As part of this process, the member agencies have developed and disseminated a series of white papers that describe common baseline conditions in the subbasin. The topics of these white papers are as follows:

- |                                 |                                   |
|---------------------------------|-----------------------------------|
| A – Groundwater Elevation Data  | D – Total Water Use               |
| B – Groundwater Extraction Data | E – Change in Groundwater Storage |
| C – Surface Water Supply Data   |                                   |

### **5.3. Other Board Meetings and Workshops**

All KRGSA member agencies hold regular and special board meetings on a monthly schedule. The schedule for these meetings is provided in Attachment F.3.

## **SECTION 6. GENERAL SCHEDULE**

The General Schedule shown in Attachment F.3 describes the communication and engagement activities that have been conducted and/or planned on behalf of the KRGSA for SGMA purposes. These communication and engagement activities are designed to comply with SGMA guidance and requirements, engage interested parties, and inform the public of new developments. This schedule is subject to change throughout the GSP development process and is only meant as a general guide for planned activities.

The General Schedule includes outreach and coordination across all three scales described above, with special focus on those parties located within KRGSA boundaries. This outreach began with calls and emails to groundwater users and suppliers as identified in county and municipal documents. Every effort has been made to contact each groundwater user or supplier; in circumstances where the contact information provided was inaccurate or out of date, additional efforts have been made to contact the parties directly.

Other methods of contacting interested parties include email blasts, advertising on the KRGSA webpage, placement of information in local newspapers, notifying local municipalities and agencies, and contacting relevant internet blogs and websites. Self Help Enterprises has assisted with additional avenues of notification to DACs. The schedule is subject to change and will continue to be updated as additional workshops and meetings occur, dates change, and the GSP progresses toward completion.

**REFERENCES**

- Community Water Center. (2015). *Collaborating for Success: Stakeholder Engagement for Sustainable Groundwater Management Act*.
- California Department of Water Resources. (2015). *Sustainable Groundwater Management Program DRAFT Strategic Plan*.
- California Department of Water Resources. (2016). *Sustainable Groundwater Management Program Groundwater Sustainability Plan (GSP) Emergency Regulations Guide*.
- California Department of Water Resources. (January 2018). *Guidance Document for Groundwater Sustainability Plan - Stakeholder Communication and Engagement*.
- Department of Water Resources. (2003). *California's Groundwater, Bulletin 118, Update 2003*.
- Kern River Groundwater Sustainability Agency. (2016). *Notice of Decision to Become a Groundwater Sustainability Agency*.





# **ATTACHMENTS**



## **ATTACHMENT F.1 INTERESTED PARTIES**

### ***Groundwater Rights Holders***

The groundwater rights holders include 1) agricultural users and 2) domestic well owners.

#### ***AGRICULTURAL USERS***

The agricultural users identified for outreach include, but are not limited to:

- Rosedale Ranch Improvement District
- Various landowners

#### ***DOMESTIC WELL OWNERS***

The domestic well owners identified for outreach include, but are not limited to:

- Bear Mountain Truck Stop;
- Cal Mat (Panama Lane Facility);
- Cemex Construction Materials Pacific LLC;
- Countryside Market & Restaurants;
- Delta Trading Water System;
- Donnovan Bros. Golf;
- Derrel's Mini Storage #66;
- Farmer John Egg Ranch #2;
- Golden Empire Concrete Company;
- Grace Community Church Water System;
- Harvest Steakhouse;
- J.G. Boswell Company Water System;
- Kern County Cemetery Association;
- Kern Oil and Refining Company;
- Kidz Kountry Preschool;
- Lakeside School;
- Pinewood Lake Homeowners Association;

- Seven Oaks Country Club;
- Stockdale Country Club; and
- Various private entities.

***Municipal Well Operators***

The municipal well owners identified for outreach include, but are not limited to:

- Ashe Water Company;
- City of Bakersfield;
- California Water Service Company;
- East Niles Community Services District;
- Greenfield County Water District (now WAKC);
- Kern County Water Agency, Improvement District No.4; and
- North of the River Mutual Water District.

***Public Water Systems***

The public water system identified for outreach include, but are not limited to:

- Ashe Water Company;
- Athal Mutual Water System;
- Bear Mountain RV Park Water System;
- California Water Service Company;
- Casa Loma Water Company;
- East Niles Community Services District;
- East Wilson Road Water Company;
- El Adobe POA, Inc.;
- Fuller Acres Mutual Water Company;
- Gosford Road Water Company;
- Greenfield County Water District (now WAKC);
- North of the River Mutual Water District;
- Oasis Property Owners Association;
- Oildale Mutual Water Company;
- Old River Mutual Water Company;
- Panama Road Property Owners Association;
- Ski West Village Water System;

- South Kern Mutual Water Company;
- Stockdale Annex Mutual Water Company;
- Stockdale Mutual Water Company;
- Vaughn Water Company; and
- Wini Mutual Water Company.

**Local Land Use Planning Agencies**

The local land use planning agencies identified for outreach include, but are not limited to:

- City of Bakersfield;
- County of Kern; and
- Kern County Planning and Natural Resources Department.

**Environmental Users of Groundwater**

The environmental users of water identified for outreach include, but are not limited to:

- Panorama Vista Preserve;
- Kern River Parkway Foundation; and
- City of Bakersfield.

**Surface Water Users**

The surface water users identified for outreach include, but are not limited to:

- Buena Vista Water Storage District and
- Rosedale-Rio Bravo Water Storage District

**Federal Government**

There are no federal government surface water users in the KRGSA service area, and therefore no outreach has been identified to this category of interested party.

**California Native American Tribes**

There are no California Native American tribes that have land ownership or land management responsibilities in the KRGSA, and therefore no outreach has been identified to this category of interested party.

**Disadvantaged and Severely Disadvantaged Communities**

The disadvantaged or severely disadvantaged communities identified for outreach with the assistance of Self Help Enterprises include, but are not limited to:

- Buttonwillow
- Calder's Corner
- Cherokee Strip
- Crome-Heights Corner
- Edison
- Fruitvale
- Fuller Acres
- Kern City
- Lamont
- Lonsmith
- Lost Hills
- Magunden
- Mayfair
- Meridian
- Mexican Colony
- Oil Junction
- Oildale
- Pond
- Saco
- Smith Corner
- Thomas Lane
- Weed Patch
- Weed Patch Highway

Figure F.1-1 shows the locations of these communities by Census Tract.

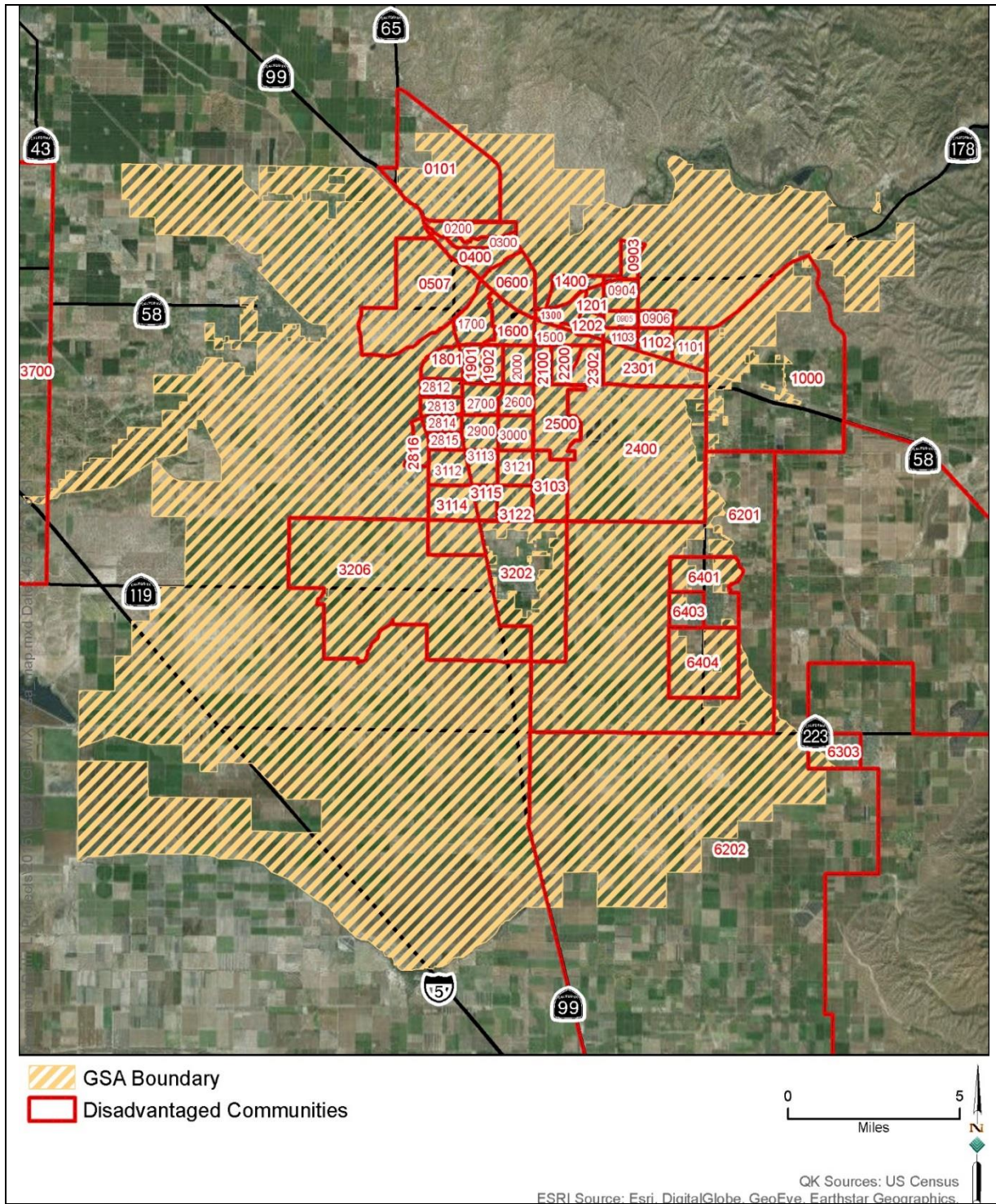


Figure F.1-1

Disadvantaged Communities within KRGSA Service Area

**Groundwater Monitoring and Reporting Entities**

The groundwater monitoring and reporting entities identified for outreach include, but are not limited to:

- Kern Groundwater Authority;
- Kern Water Bank Authority;
- Arvin-Edison Water Storage District;
- Deer Creek & Tule River Authority;
- Kern County Water Agency Improvement District 4;
- Kern-Tulare Water District;
- North Kern Water Storage District;
- Semitropic Water Storage District;
- Shafter-Wasco Irrigation District; and
- Kern Fan Authority (a coalition consisting of the Kern-Delta Water District, Buena Vista Water Storage District, Henry Miller Water District, and Rosedale-Rio Bravo Water Storage District, and which was previously known as the Kern River Fan Group).



**Specific Interested Parties Requesting Information and Communication from KRGSA**

Name	Contact Information	Date Requested
Kristal Davis Fadtke, Senior Environmental Scientist	California Department of Fish & Wildlife 830 S Street Sacramento, CA 95811 (916) 445-3453 kristal.davis-fadtke@wildlife.ca.gov	6/2/16
Evelyn Young Spath, EdD; Executive Assistant to the President	California State University, Bakersfield Mail Stop 33 BDC 9001 Stockdale Highway Bakersfield, CA 93311 (661)654-2241	7/14/16
Patty Poire	Grimmway Farms (661) 845-5790 ppoire@grimmway.com	11/11/16
Joe Cisneros	(661) 817-3600 joepcisneros@gmail.com	1/6/17
Shelley Huskey; Environmental Manager, QISP	(217) 454-3542 shelleyk.huskey@cemex.com	1/17/17
Kristin Dobbin, Regional Water Management Coordinator	Community Water Center 311 West Murray Avenue Visalia, CA 93291 (559) 733-0219 kristin.dobbin@communitywatercenter.org	1/18/17
Pamela McNemar, Certified Legal Secretary	Young Wooldridge 1800 30th Street, 4th Floor Bakersfield, CA 93301 (661) 327-9661 pmcnemar@youngwooldridge.com	1/27/17
Scott Lipton, Government Affairs Specialist	Aera Energy LLC (661) 665-5927 sdlipton@aeraenergy.com	2/27/17
Tim Gobler	Wonderful Orchards (661) 776-1321 timothy.gobler@wonderful.com	2/27/17
Preston Brittian	Pacific Resources (661) 301-1708 pres@prh2o.com	3/2/17

Name	Contact Information	Date Requested
J. Paul Hendrix	Tulare Irrigation District 6826 Avenue 240 Tulare, CA 93274 (559) 686-3425 jph@tulareid.org	3/22/17
Matthew Fisher	Rancho del Rio Mutual Water Company (661) 858-3938 mfisher@cmcfarming.com	5/12/17
Anthony J. Amarante	1307 Princeton Avenue Bakersfield, CA 93305 (661) 873-0407	N/A
Kristal Davis-Fadtke, Senior Environmental Scientist	California Department of Fish and Wildlife 830 S Street Sacramento, CA 95811 Kristal.davis-fadtke@wildlife.ca.gov (916) 445-3453	N/A
Evelyn Young Spath Executive Assistant to CSU Bakersfield President	9001 Stockdale Highway Bakersfield, CA 93311 Eyoung3@csu.edu	N/A
Greg Hammett	ghammett@bmwd.org ghammett@beldridgewsd.com	N/A
Don A. Wright	Freelance Journalist/Consultant daw@sti.net (559) 355-2389	N/A
Lisa Rubin	Dellavalle Laboratory, Inc. L.Rubin@dellavallelab.com (408) 667-7661	N/A
Steve Tolin	Kern High Stolin@kernhigh.org 827-3181	10/24/2017
Todd Noble	Edison School District tnoble@edison.k12.ca.us 340-1150	10/24/2017
David Carlsen	Greenfield Unified School District carlsend@gfusd.net 837-6030	10/24/2017
Armando Murrieta	Self Help Enterprises	10/24/2017
Helena Gutierrez	Self Help Enterprises helenag@selfhelpenterprises.org (562) 659-0095	10/24/2017

Name	Contact Information	Date Requested
Veronica Penen	Self Help Enterprises veronicap@selfhelpenterprises.org (559) 802-1635	10/24/2017
Briana 'Bri' Seapy, Statewide SGMA Coordinator	CDFW Groundwater Program groundwater@wildlife.ca.gov (916) 445-1724	4/17/18
Fuller Acres Mutual Water Company	P.O. Box 125, Lamont, CA 93241 fulleracresw@yahoo.com (661) 319-5008	5/21/18
Darin Ritchie	4904 Islands Drive Bakersfield, CA 93312 (661) 213-3875	6/12/18
Matthew Owens	California Department of Water Resources Groundwater Management Section 3374 East Shields Avenue, Room 3 Fresno, CA 93726 (559) 230-3335 Matthew.Owens@water.ca.gov	6/12/18
Raminder Kahlon, Director	CPUC Water Division 505 Van Ness Avenue, Room 3102 San Francisco, CA 7031837 Raminder.Kahlon@cpuc.ca.gov	1/15/19
Andrew G. Gordus, Ph.D., Staff Toxicologist	CDFW Central Region GSA contact person 1234 East Shaw Avenue Fresno, CA 93710 (559) 243-4014, ext. 239 Andy.Gordus@wildlife.ca.gov	1/15/19

**ATTACHMENT F.2  
SCHEDULE OF KRGSA AND AGENCY BOARD MEETINGS**



**Table F.2-1. Schedule of KRGSA and Agency Board Meetings**

Meeting Type	Date	Location	Summary
<b>KRGSA Meetings</b>			
KRGSA Coordination	7/11/2017	Rosedale-Rio Bravo Water Storage District	KGA Groundwater Authority General Meeting
KRGSA Technical Workshop	7/13/2017	Kern County Water Agency Board Room	Technical Groundwater Supply Workshop
KRGSA Coordination	7/17/2017	Phone	Discuss Coordination agreement for DWR grant funding.
KRGSA C&E Workshop	9/14/2017	Bakersfield City Chambers	Communication & Engagement Workshop
KRGSA Coordination Meeting	9/14/2017	Bakersfield City Chambers	Discuss GSP Coordination
Kern County Subbasin Grant Application Meeting	9/14/2017		SGMA Planning Grant Program
KRGSA GSP Coordination	9/15-11/3 (every Friday)	Phone	Coordinate Kern County Subbasin GSP Application
SGMA Roundtable (SHE)	10/20/2017	South Valley SGMA Practitioners	Coordinate SGMA Compliance
SGMA Roundtable for Schools (SHE)	10/24/2017	Bakersfield City School District Professional Development Center	Overview of SGMA/GSP Coordination with school districts
C2VSim Modeling Workshop	11/1/2017		
Basin Setting Workshop	1/1/2018		
Kern County Subbasin Water Budget Workshop	6/1/2018		
KRGSA Groundwater Workshop (SHE)	8/20/2018	Fruitvale-Norris Park Recreation Room, Bakersfield	Overview of SGMA with DACs and stakeholders
General Public/DAC Workshop	11/13/2018	Bear Mountain Recreation David Head Center, Lamont	Overview of SGMA with DACs and stakeholders
Groundwater Technical Workshop	4/1/2019		
Draft GSP Presentation	8/21/2019	KRGSA Board Room	Overview of Draft GSP

**Table F.2-1. Schedule of KRGSA and Agency Board Meetings**

Meeting Type	Date	Location	Summary
KRGSA Groundwater Workshop (SHE)	10/15/2019	Stan Keasling Community Room, 601 Douglas Street, Bakersfield	Review of Draft GSP with DACs and stakeholders
KRGSA Groundwater Workshop (SHE)	11/6/2019	Bear Mountain Recreation David Head Center, Lamont	Review of Draft GSP with DACs and stakeholders
<b>Basinwide/Other GSA Meetings</b>			
Kern County Groundwater Subbasin - Workshop 2	11/1/2016	KCWA, Bakersfield	Overview of SGMA and GSP requirements
Kern County Groundwater Subbasin - Workshop 3	11/15/2016	Kern Ag Pavilion	
Other workshops	11/28, 12/5, 12/20/2016		
Getting Involved in Groundwater (SHE, UCS, CWC)	10/26/2017	University Square Hotel, Fresno	Toolkit release and panel discussion
KGA GSA Community Workshop (SHE)	4/26/2018	Shafter	Overview of SGMA and GSP requirements
Local Agency Meeting	5/9/2018		Discuss C2VSim data needs for modeling by Todd Groundwater
KGA GSA Community Workshop (SHE)	5/21/2018	Arvin Veterans Hall, Arvin	Overview of SGMA and GSP requirements
Local Agency Meeting	8/6/2018		Discuss water budget - Todd Groundwater
Arvin-Edison WSD and Arvin CSD SGMA Workshop (SHE)	10/2/2018	Arvin Veterans Hall, Arvin	Three informational workshops
Groundwater Quality and SGMA Roundtable (SHE, CWC, UCS, LCJA)	10/10/2018	Visalia	Focused on groundwater contamination
Local Agency Meeting	10/16/2018		Preliminary C2VSim model results - Todd Groundwater
GSP Workshop 2.0 (SHE)	10/27/2018		Followup to previous workshops in April, June 2017
Local Agency Meeting	1/11/2019		Draft historical water budgets - Todd Groundwater

**Table F.2-1. Schedule of KRGSA and Agency Board Meetings**

Meeting Type	Date	Location	Summary
Kern Delta District Office, 501 Taft Highway			
KDWD Grower Outreach Meeting	11/19/19, 11/20/19		Presentation on Draft GSP
Local Agency Meeting	3/22/2019		Revised draft historical and current water budgets - Todd Groundwater
SGMA Open House (KGA, KCFB)	5/14/2019	Kern Ag Pavilion	
GSP Open House (KGA, KCFB)	9/26/2019	Kern Ag Pavilion	
<b>Technical Peer Review Team Meetings</b>			
Peer Review Meeting #1	5/17/2018		
Peer Review Meeting #2	9/26/2018		
Peer Review Meeting #3	10/16/2018		
Peer Review Meeting #4	11/13/2018		
Peer Review Meeting #5	12/4/2018		
<b>Additional Coordination Information</b>			
The Nature Conservancy	9/24/2018	Email + file attachments	Potential beneficial users of surface water in your GSA
Leadership Counsel for Justice & Accountability	6/21/2019	Letter	Request for inclusion of DACs in GSP process
<b>Agency Board Meetings</b>			
<b>KRGSA Board Meetings</b> - KRGSA Board Meetings occur at 10:00 AM on the 1st Thursday of every month at Bakersfield City Hall, North Conference Room A, 1600 Truxtun Avenue, Bakersfield, CA 93301.			
KRGSA Board Meeting	3/2/2017	KRGSA	Water Budget presentation by Todd Groundwater
KRGSA Board Meeting	7/13/2017	KRGSA	
KRGSA Board Meeting	8/3/2017	KRGSA	
KRGSA Board Meeting	9/7/2017	KRGSA	
KRGSA Board Meeting	9/14/2017	KRGSA	Special meeting: SGMA and development of a local GSP
KRGSA Board Meeting	10/5/2017	KRGSA	



**Table F.2-1. Schedule of KRGSA and Agency Board Meetings**

Meeting Type	Date	Location	Summary
KRGSA Board Meeting	11/2/2017	KRGSA	
KRGSA Board Meeting	12/7/2017	KRGSA	
KRGSA Board Meeting	1/4/2018	KRGSA	
KRGSA Board Meeting	2/1/2018	KRGSA	
KRGSA Board Meeting	3/1/2018	KRGSA	
KRGSA Board Meeting	4/5/2018	KRGSA	Hydrogeologic Modeling/ Groundwater Conditions presentation by Todd Groundwater
KRGSA Board Meeting	5/3/2018	KRGSA	
<b>KRGSA Board Meetings, cont'd</b>			
KRGSA Board Meeting	6/7/2018	KRGSA	
KRGSA Board Meeting	8/2/2018	KRGSA	
KRGSA Board Meeting	9/6/2018	KRGSA	
KRGSA Board Meeting	10/4/2018	KRGSA	
KRGSA Board Meeting	11/8/2018	KRGSA	Special meeting: C2VSim model update
KRGSA Board Meeting	10/6/2018	KRGSA	
KRGSA Board Meeting	1/10/2019	KRGSA	
KRGSA Board Meeting	2/7/2019	KRGSA	
KRGSA Board Meeting	3/12/2019	KRGSA	
KRGSA Board Meeting	4/4/2019	KRGSA	
KRGSA Board Meeting	5/2/2019	KRGSA	
KRGSA Board Meeting	6/6/2019	KRGSA	
KRGSA Board Meeting	7/11/2019	KRGSA	
KRGSA Board Meeting	8/1/2019	KRGSA	
KRGSA Board Meeting	8/21/2019	KRGSA	Special meeting: Presentation of GSP
KRGSA Board Meeting	10/3/2019	KRGSA	
KRGSA Board Meeting	12/5/2019	KRGSA	Special meeting: Consider approval of GSP

**Kern Delta Water District** - KDWD Board Meetings occur at 12:00 Noon at KDWD on the 1st and 3rd Tuesday of every month, at 501 Taft Hwy Bakersfield, CA 93307.

**City of Bakersfield City Council Meetings** - City of Bakersfield City Council meetings begin at 3:30 PM and 5:15 PM. The exact dates are variable, but routinely run the second and 4th Wednesday of the month. Meeting are at Bakersfield City Hall, South Council Chambers, 1501 Truxtun Avenue, Bakersfield, CA 93301.

**Table F.2-1. Schedule of KRGSA and Agency Board Meetings**

**Improvement District No. 4** - KCWA/ID4 Meetings occur at 12:00 Noon on the 4th Thursday of every month. (Except the 3rd Thursday in November and December), at 3200 Rio Mirada

**Bakersfield Water Board** - The Bakersfield Water Board meetings are held monthly on the first Wednesday at 2:00 p.m., in the Water Resources Department Conference Room, 1000 Buena Vista Road, Bakersfield, CA 93311.

**Urban Bakersfield Advisory Committee** - UBAC Board meetings occur at 2:30 PM on the day before any KCWA board meeting, at 3200 Rio Mirada Drive, Bakersfield, CA 93308.

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**ATTACHMENT F.3  
PUBLIC WORKSHOP SCHEDULE**



Schedule Overview  
 Kern River Groundwater Sustainability Agency  
 KRGSA Communication & Engagement Tracking Sheet  
 January 2020

Tasks and Target Areas		2017						2018													
		June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
<b>1. KRGSA Service Area</b>																					
1.1	KRGSA Website																				
1.2	Public Meetings & Workshops	*	GW Supply Workshop	*	General Public and DAC Workshop	*	C2VSim Modeling Workshop	*	Basin Setting Workshop	*	*	Hydrogeo. Modeling/ GW Conditions Workshop	*	Kern County Subbasin Water Budget Workshop	*	General Public and DAC Workshop	*	*	General Public and DAC Workshop	*	
1.3	General Outreach & Audience Mapping																				
1.4	Targeted Meetings with Interested Parties																				
1.5	Outreach to Disadvantaged Communities																				
<b>2. Kern Subbasin Coordination &amp; Outreach</b>																					
2.1	General Outreach																				
2.2	Regular and Special KRGSA Board Meetings	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
2.3	Coordination with Kern Groundwater Authority												◆					◆	◆	◆	◆
2.4	Workshops and Other Subbasin Coordination		GW Supply Workshop		General Public and DAC Workshop		C2VSim Modeling Workshop		Basin Setting Workshop			Hydrogeo. Modeling/ GW Conditions Workshop	C2VSim Data Needs Local Agency Mtg	Kern County Subbasin Water Budget Workshop		General Public/DAC   Water Budget Workshops			Prelim. C2VSim Model Results Local Agency Mtg	General Public and DAC Workshop	
<b>3. Communication and Engagement Outside Kern Subbasin</b>																					
3.1	DWR Forums and Workshop Participation																				
3.2	White Papers (2016)																				
3.3	Other Board Meetings and Workshops	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

*	Denotes a board meeting. The different boards and meeting dates are listed in Appendix F.2.
◆	Denotes a Technical Peer Review Team meeting.
	Denotes ongoing activity throughout the period.

**Schedule Overview**  
**Kern River Groundwater Sustainability Agency**  
**KRGSA Communication & Engagement Tracking Sheet**  
**January 2020**

Tasks and Target Areas		2019												2020+
		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	TBD
<b>1. KRGSA Service Area</b>														
1.1	KRGSA Website													
1.2	Public Meetings & Workshops	*	*	Interested Parties Workshop	GW Technical Workshop		*	*	Draft GSP Presentation	*	General Public and DAC Workshop	General Public and DAC Workshop	Board Approval of GSP	GSP Submittal to DWR
1.3	General Outreach & Audience Mapping													
1.4	Targeted Meetings with Interested Parties													
1.5	Outreach to Disadvantaged Communities													
<b>2. Kern Subbasin Coordination &amp; Outreach</b>														
2.1	General Outreach													
2.2	Regular and Special KRGSA Board Meetings	*	*	*	*	*	*	*	*	*	*	*	*	*
2.3	Coordination with Kern Groundwater Authority													
2.4	Workshops and Other Subbasin Coordination	Historical Water Budget Local Agency Mtg		Water Budget Local Agency Mtg	GW Technical Workshop	SGMA Open House			Draft GSP Presentation	GSP Open House	General Public and DAC Workshop	General Public and DAC Workshop		
<b>3. Communication and Engagement Outside Kern Subbasin</b>														
3.1	DWR Forums and Workshop Participation					DWR Open House								
3.2	White Papers													
3.3	Other Board Meetings and Workshops	*	*	*	*	*	*	*	*	*	*	*	*	*
	*	Denotes a board meeting. The different boards and meeting dates are listed in Appendix F.2.												
	◆	Denotes a Technical Peer Review Team meeting.												
		Denotes ongoing activity throughout the period.												

**ATTACHMENT F.4  
PUBLIC WORKSHOP MATERIALS**





#### Appendix F.4 List of Materials

Item	Document	Date
1	KRGSA Groundwater Sustainability Plan – Consultant Workplan (Horizon)	
2	Modeling Approach for GSP-Required Water Budgets (Todd Groundwater)	3/2/17
3	Groundwater Supply Workshop (Todd Groundwater)	7/13/17
4	Introduction to the KRGSA and Developing a Groundwater Sustainability Plan (Horizon)	9/14/17
5	Hydrogeologic Conceptual Model and Groundwater Conditions (Todd Groundwater)	4/5/18
6	SGMA Discussion Meeting (sign-in sheet)	7/17/18
7	Water Budget Workshop – KGA Coordination Committee Meeting (Todd Groundwater)	8/6/18
8	KDWD Tour (KDWD)	9/13/18
9	SGMA Workshop 1 Flyer (Arvin-Edison and Arvin CSD)	10/2/18
10a	Kern River Watershed Coalition Authority Groundwater Quality Assessment Report (Todd Groundwater, Provost & Pritchard, Land IQ)	1/9/19
10b	CIPA/WSPA Meeting Sign-in Sheet	1/9/19
10c	Responses to Comments at CIPA/WSPA Meeting	1/9/19
11a	SGMA Open House Flyer	5/14/19
11b	SGMA Open House Sign-in Sheet	5/14/19
12	SGMA Workshop 2 Flyer (Arvin-Edison and Arvin CSD)	5/30/19
13	KRGSA Special Board Meeting – Review Draft KRGSA GSP	8/21/19
14a	GSP Public Review Open House	9/26/19
14b	KRGSA GSP Summary Handout (Todd Groundwater)	9/26/19
15	KRGSA Board Presentation and Hearing on GSP Adoption	12/5/19





## SGMA Overview

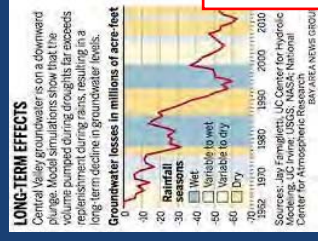
- The Sustainable Groundwater Management Act (SGMA) of 2014 established a new structure for managing California's groundwater resources at a local level by local agencies.
- SGMA requires the formation of locally-controlled groundwater sustainability agencies (GSAs) in the State's high- and medium-priority groundwater basins and subbasins (basins).
- A GSA is responsible for developing and implementing a groundwater sustainability plan (GSP) to meet the sustainability goal of the basin, to ensure that the basin is operated within its sustainable yield, without causing undesirable results.

## Outline

1. SGMA Overview and Background
2. GSA Formation Process
3. GSP Requirements
4. Consultant Workplan for GSP
5. Consultant Qualifications and Experience

## SGMA: Focus on Sustainability

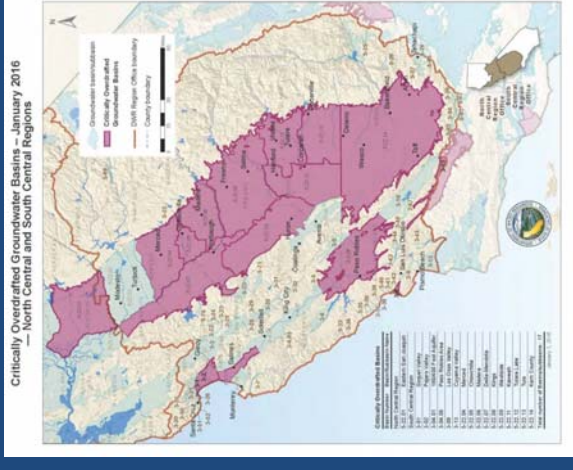
- According to SGMA – Sustainable yield is the maximum quantity of water that can be withdrawn annually from a groundwater supply without causing an undesirable result. Sustainable yield is calculated over a base period that is representative of long-term conditions in the basin.



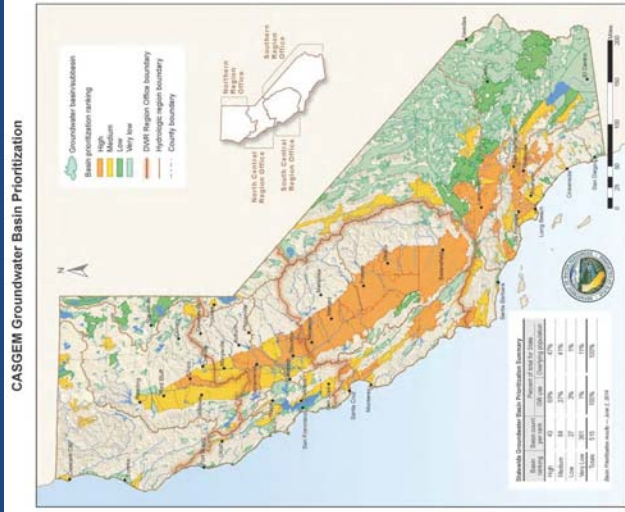
## SGMA: Protect Against Undesirable Results

1. Chronic lowering of groundwater levels and depletion of supply.
2. Significant and unreasonable reduction of groundwater storage.
3. Significant and unreasonable seawater intrusion.
4. Significant and unreasonable degraded water quality, including the migration of contaminant plumes that impair water supplies.
5. Significant and unreasonable land subsidence that substantially interferes with surface land uses.
6. Depletions of interconnected surface water that have significant and unreasonable adverse impacts on beneficial uses of the surface water.

## Kern County Subbasin – Critically Overdrafted Basin



## Kern County Subbasin – High Priority



## SGMA Timeline

- SGMA requires that GSAs are formed by June 30, 2017.
- SGMA requires that GSPs for critically overdrafted basins are developed by January 31, 2020.
- State intervention, through the SWRCB, may (will) occur at the local level if local agencies don't achieve timeline or comply with SGMA requirements.