Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
04N20W34B01S	137	--	317	--	FILLMORE	FILLMORE	18	14.0	252.9	232.0	2011	1	2019	2
04N20W36N05S	37	--	277	--	FILLMORE	FILLMORE	21	35.2	739.2	35.2	2009	2	2019	2
03N20W02A07S	80	--	120	--	FILLMORE	FILLMORE	20	0.6	11.0	1.0	2010	1	2019	2
03N20W02R07S	100	--	200	--	FILLMORE	FILLMORE	20	3.9	77.1	8.6	2010	1	2019	2
03N20W02H07S	40	--	200	--	FILLMORE	FILLMORE	20	8.1	161.7	21.8	2010	1	2019	2
03N20W01F06S	40	--	240	--	FILLMORE	FILLMORE	17	7.1	121.2	22.4	2010	1	2019	2
04N20W22N01S	200	--	400	--	FILLMORE	FILLMORE	20	16.7	334.0	50.0	2009	2	2019	2
04N20W22N02S	200	--	400	--	FILLMORE	FILLMORE	20	7.9	158.5	50.0	2009	2	2019	2
03N20W01K02S	100	--	180	--	FILLMORE	FILLMORE	21	2.9	60.3	6.0	2009	2	2019	2
03N20W01L06S	96	--	256	--	FILLMORE	FILLMORE	21	2.9	61.2	8.8	2009	2	2019	2
04N20W34D02S	120	--	320	--	FILLMORE	FILLMORE	19	0.4	8.0	0.5	2010	1	2019	2
04N20W36M01S	290	--	390	--	FILLMORE	FILLMORE	21	128.2	2693.0	265.1	2009	2	2019	2
04N20W25Q03S	80	--	160	--	FILLMORE	FILLMORE	19	0.6	10.5	0.9	2010	2	2019	2
03N20W06B02S	100	--	600	--	FILLMORE	FILLMORE	18	77.3	1391.0	270.9	2011	1	2019	2
03N20W02R08S	60	--	200	--	FILLMORE	FILLMORE	18	1.1	19.4	7.0	2011	1	2019	2
03N21W01C02S	100	--	630	--	FILLMORE	FILLMORE	18	38.9	699.6	112.4	2011	1	2019	2
04N20W31H04S	280	--	640	--	FILLMORE	FILLMORE	19	16.7	317.8	26.5	2010	2	2019	2
03N19W06C03S	100	--	180	--	FILLMORE	FILLMORE	18	5.2	94.0	14.6	2011	1	2019	2
03N20W01A04S	120	--	260	--	FILLMORE	FILLMORE	18	34.2	615.1	93.7	2011	1	2019	2
03N20W07D02S	200	--	420	--	FILLMORE	FILLMORE	18	19.0	342.1	41.6	2011	1	2019	2
04N20W36R09S	100	100	200	--	FILLMORE	FILLMORE	17	6.7	113.2	18.3	2011	1	2019	2
04N20W36N06S	60	--	200	--	FILLMORE	FILLMORE	18	2.1	38.0	5.6	2011	1	2019	2
04N19W32L03S	50	--	100	--	FILLMORE	FILLMORE	22	98.9	2175.7	173.4	2009	1	2019	2
03N20W02L07S	155	--	295	--	FILLMORE	FILLMORE	18	4.5	81.7	10.2	2011	1	2019	2
03N20W10L01S	180	--	260	--	FILLMORE	OUTSIDE	18	4.0	72.6	22.9	2011	1	2019	2
04N19W31N06S	140	--	220	--	FILLMORE	FILLMORE	24	0.6	15.0	0.8	2008	1	2019	2
03N21W12F07S	120	--	400	--	FILLMORE	FILLMORE	15	1838.2	27573.7	2818.4	2012	2	2019	2
03N20W03D08S	450	--	600	--	FILLMORE	FILLMORE	15	296.0	4439.6	828.5	2012	1	2019	2
03N20W01B03S	100	--	300	--	FILLMORE	FILLMORE	16	20.7	331.2	34.1	2012	1	2019	2
04N20W32R03S	260	--	640	--	FILLMORE	FILLMORE	16	73.3	1172.5	116.8	2012	1	2019	2
03N20W01F08S	130	--	250	--	FILLMORE	FILLMORE	15	54.5	817.0	183.1	2012	2	2019	2
03N20W01C06S	120	--	300	--	FILLMORE	FILLMORE	16	12.3	196.5	19.7	2012	1	2019	2
03N20W02H03S	--	--	--	--	FILLMORE	FILLMORE	16	0.6	9.5	0.8	2012	1	2019	2
03N20W01M05S	120	--	254	--	FILLMORE	FILLMORE	15	27.3	409.4	70.3	2012	2	2019	2
04N20W34N02S	--	--	--	--	FILLMORE	FILLMORE	20	23.8	475.8	60.1	2010	1	2019	2
04N20W23J04S	300	--	680	--	FILLMORE	FILLMORE	14	100.5	1406.6	155.9	2013	1	2019	2
03N20W01D04S	--	--	--	--	FILLMORE	FILLMORE	15	5.3	79.0	16.1	2012	2	2019	2
03N20W02H02S	--	--	--	--	FILLMORE	FILLMORE	14	0.5	7.5	0.8	2013	1	2019	2
04N20W36R10S	60	--	200	--	FILLMORE	FILLMORE	12	3.0	36.6	11.4	2014	1	2019	2
03N20W01M06S	110	--	250	--	FILLMORE	FILLMORE	12	3.9	47.1	9.4	2014	1	2019	2
04N19W29E02S	70	--	650	--	FILLMORE	FILLMORE	59	9.5	562.3	98.0	1990	2	2019	2
03N20W01B04S	60	--	200	--	FILLMORE	FILLMORE	12	10.4	124.2	15.1	2014	1	2019	2
03N20W11D06S	60	--	160	--	FILLMORE	FILLMORE	11	19.0	208.5	28.9	2014	2	2019	2
03N20W02K05S	60	--	200	--	FILLMORE	FILLMORE	10	17.7	177.2	25.7	2015	1	2019	2
04N20W26C04S	300	--	420	--	FILLMORE	FILLMORE	9	5.8	52.2	9.2	2015	2	2019	2
04N20W22N03S	450	--	1580	--	FILLMORE	FILLMORE	9	22.0	198.4	38.0	2015	2	2019	2
03N20W02R09S	85	--	157	--	FILLMORE	FILLMORE	9	0.3	2.5	0.6	2015	2	2019	2
03N20W03H03S	50	--	150	--	FILLMORE	FILLMORE	9	41.7	375.7	114.2	2015	2	2019	2
04N21W16F01S	28	--	80	--	SANTA PAULA	OUTSIDE	75	29.7	2,230	59	1979	2	2016	2
03N21W02R02S	202	--	360	--	SANTA PAULA	SANTA PAULA	81	218.7	17,714	421	1979	2	2019	2
03N21W02P01S	220	--	466	--	SANTA PAULA	SANTA PAULA	20	30.0	600.8	56.1	1979	2	1997	2
03N21W03R02S	238	--	524	--	SANTA PAULA	SANTA PAULA	54	35.1	1,895	298.2	1979	2	2006	1
03N21W02Q01S	--	--	--	--	SANTA PAULA	SANTA PAULA	18	301.6	5,430	534	1979	2	1997	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
03N21W11A01S	210	--	454	--	SANTA PAULA	SANTA PAULA	79	59	4,698	157	1979	2	2018	2
03N21W10A02S	150	--	580	--	SANTA PAULA	SANTA PAULA	24	32.6	782	221	1984	2	1997	2
03N21W10A01S	--	--	--	--	SANTA PAULA	SANTA PAULA	13	126.2	1,640.6	246.9	1979	2	1997	2
03N21W11D02S	232	--	543	--	SANTA PAULA	SANTA PAULA	32	101.9	3,259	320	1979	2	1997	2
03N21W11E03S	100	--	453	--	SANTA PAULA	SANTA PAULA	81	222.5	18,023	744.9	1979	2	2019	2
03N21W11H03S	--	--	--	--	SANTA PAULA	SANTA PAULA	81	15	1,184	83	1979	2	2019	2
03N21W11H01S	--	--	--	--	SANTA PAULA	SANTA PAULA	81	15.8	1,277	64	1979	2	2019	2
03N21W10E01S	207	--	388	--	SANTA PAULA	OUTSIDE	81	5.5	447.1	33.0	1979	2	2019	2
03N21W11F03S	153	--	518	--	SANTA PAULA	SANTA PAULA	81	101.0	8,181.7	733.3	1979	2	2019	2
03N21W09J01S	--	--	--	--	SANTA PAULA	SANTA PAULA	80	22.7	1,816.3	36.6	1980	1	2019	2
03N21W09K03S	296	--	324	--	SANTA PAULA	SANTA PAULA	52	0.1	4	1	1994	1	2019	2
03N21W09K02S	233	--	338	--	SANTA PAULA	SANTA PAULA	81	54.6	4,426	77.0	1979	2	2019	2
03N21W09R04S	360	--	756	--	SANTA PAULA	SANTA PAULA	81	296	23,987	712	1979	2	2019	2
03N21W15C02S	176	--	322	--	SANTA PAULA	SANTA PAULA	81	153.1	12,399	683	1979	2	2019	2
03N21W15C06S	452	--	653	--	SANTA PAULA	SANTA PAULA	81	488.6	39,573	1,029	1979	2	2019	2
03N21W15C04S	112	--	253	--	SANTA PAULA	SANTA PAULA	81	308.6	24,995	584	1979	2	2019	2
03N21W16A02S	430	--	580	--	SANTA PAULA	SANTA PAULA	81	344	27,860	952	1979	2	2019	2
03N21W17D03S	120	--	380	--	SANTA PAULA	OUTSIDE	78	0	37	2	1981	1	2019	2
03N21W16E01S	222	--	258	--	SANTA PAULA	SANTA PAULA	81	17	1,379	56	1979	2	2019	2
03N21W16E02S	180	--	320	--	SANTA PAULA	SANTA PAULA	81	67	5,424	170	1979	2	2019	2
03N21W16G01S	175	--	350	--	SANTA PAULA	SANTA PAULA	54	231.0	12,473.2	757.8	1979	2	2006	1
03N21W16K01S	119	--	214	--	SANTA PAULA	SANTA PAULA	81	243	19,672	637	1979	2	2019	2
03N21W16K03S	672	--	760	--	SANTA PAULA	SANTA PAULA	81	273	22,101	774	1979	2	2019	2
03N21W16K02S	92	--	243	--	SANTA PAULA	SANTA PAULA	81	234.1	18,965	806	1979	2	2019	2
03N21W17Q01S	183	--	243	--	SANTA PAULA	SANTA PAULA	81	70	5,709	140	1979	2	2019	2
03N21W16Q02S	--	--	--	--	SANTA PAULA	SANTA PAULA	19	26	485	40	1979	2	1988	2
03N21W16P01S	119	--	168	--	SANTA PAULA	SANTA PAULA	79	38	2,997	196	1980	1	2019	2
03N21W16P02S	110	--	184	--	SANTA PAULA	SANTA PAULA	56	50	2,821	987	1992	1	2019	2
03N21W17R01S	180	--	285	--	SANTA PAULA	SANTA PAULA	81	175	14,183	429	1979	2	2019	2
03N21W17P02S	511	--	771	--	SANTA PAULA	SANTA PAULA	81	30	2,404	62	1979	2	2019	2
03N21W20A01S	115	--	215	--	SANTA PAULA	SANTA PAULA	41	14.9	611.3	19.4	1986	2	2006	2
03N21W21B01S	--	--	--	--	SANTA PAULA	SANTA PAULA	50	0.3	17	1.0	1980	1	2004	2
03N21W21B03S	80	--	280	--	SANTA PAULA	SANTA PAULA	59	36	2,131	95	1979	2	2008	2
03N21W21D01S	26	--	84	--	SANTA PAULA	SANTA PAULA	28	1	33	4	1979	2	1997	2
03N21W19A02S	--	--	--	--	SANTA PAULA	SANTA PAULA	81	9	765	21	1979	1	2019	2
03N21W21D02S	115	--	212	--	SANTA PAULA	SANTA PAULA	62	5	331	13	1989	1	2019	2
03N21W21E03S	60	--	100	--	SANTA PAULA	SANTA PAULA	80	1.0	83	2	1979	2	2019	2
03N21W21E02S	80	--	100	--	SANTA PAULA	SANTA PAULA	59	4	237	5	1990	2	2019	2
03N21W21G01S	66	--	86	--	SANTA PAULA	SANTA PAULA	81	1.5	123	4	1979	2	2019	2
03N21W19G04S	450	--	720	--	SANTA PAULA	SANTA PAULA	76	802	60,963	1,384	1982	1	2019	2
03N21W21E04S	69	--	86	--	SANTA PAULA	SANTA PAULA	81	1.1	91	1.5	1979	2	2019	2
03N21W19G02S	550	--	630	--	SANTA PAULA	SANTA PAULA	81	171	13,831	365	1979	2	2019	2
03N21W19H06S	459	--	694	--	SANTA PAULA	SANTA PAULA	12	223.3	2,680	853	1979	2	1997	2
03N21W20F01S	--	--	--	--	SANTA PAULA	SANTA PAULA	81	28	2,268	63	1979	2	2019	2
03N21W21F01S	200	--	212	--	SANTA PAULA	SANTA PAULA	82	1	44	3	1979	1	2019	2
03N21W19G03S	350	--	510	--	SANTA PAULA	SANTA PAULA	76	11	853	83	1982	1	2019	2
03N21W21G03S	80	--	120	--	SANTA PAULA	SANTA PAULA	67	14	946	20	1986	2	2019	2
03N21W21F03S	72	--	176	--	SANTA PAULA	SANTA PAULA	45	14	614	40	1979	2	2001	2
03N21W21E06S	40	--	105	--	SANTA PAULA	SANTA PAULA	80	2	144	18	1980	1	2019	2
03N22W23F02S	1,015	--	1,410	--	SANTA PAULA	OUTSIDE	81	49.5	4,010	141	1979	2	2019	2
03N21W21E01S	117	--	157	--	SANTA PAULA	SANTA PAULA	81	32	2,556	76	1979	2	2019	2
03N21W21E05S	60	--	200	--	SANTA PAULA	SANTA PAULA	63	32	2,003	55	1988	2	2019	2
03N22W23G01S	1,015	--	1,410	--	SANTA PAULA	SANTA PAULA	80	9	699	27	1980	1	2019	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
03N21W19L01S	--	--	--	--	SANTA PAULA	SANTA PAULA	81	64	5,168	145	1979	2	2019	2
03N21W20M01S	130	--	220	--	SANTA PAULA	SANTA PAULA	81	141.5	11,462	291	1979	2	2019	2
03N21W20J04S	60	--	180	--	SANTA PAULA	SANTA PAULA	81	62	5,045	138	1979	2	2019	2
03N21W20K01S	--	--	--	--	SANTA PAULA	SANTA PAULA	81	1	59	3	1979	2	2019	2
03N21W21M01S	--	--	--	--	SANTA PAULA	SANTA PAULA	81	1	61	1	1979	2	2019	2
03N21W20J03S	489	--	717	--	SANTA PAULA	SANTA PAULA	81	78	6,331	186	1979	2	2019	2
03N21W20J02S	70	--	155	--	SANTA PAULA	SANTA PAULA	60	1	69	2	1990	1	2019	2
03N21W19M01S	--	--	--	--	SANTA PAULA	SANTA PAULA	74	82	6,036	250	1979	2	2016	1
03N22W23Q01S	345	--	445	--	SANTA PAULA	SANTA PAULA	75	1	39	3	1982	2	2019	2
03N21W19R01S	160	--	205	--	SANTA PAULA	SANTA PAULA	81	106	8,573	320	1979	2	2019	2
03N21W19Q01S	190	--	480	--	SANTA PAULA	SANTA PAULA	73	30	2,212	138	1983	2	2019	2
03N21W20P01S	100	--	158	--	SANTA PAULA	SANTA PAULA	81	53	4,278	108	1979	2	2019	2
03N21W20R02S	60	--	100	--	SANTA PAULA	SANTA PAULA	56	1.2	67	3	1983	2	2011	1
03N22W24R01S	--	--	--	--	SANTA PAULA	SANTA PAULA	81	92	7,418	143	1979	2	2019	2
03N21W29B01S	25	--	99	--	SANTA PAULA	SANTA PAULA	27	0	1	1	1990	2	2003	2
03N21W29C02S	51	--	123	--	SANTA PAULA	SANTA PAULA	33	9	290	21	1990	2	2006	2
03N21W29B02S	60	--	100	--	SANTA PAULA	SANTA PAULA	81	3	241	9	1979	2	2019	2
03N22W26B01S	260	--	448	--	SANTA PAULA	SANTA PAULA	59	11.0	652	24	1990	2	2019	2
03N21W30E01S	160	--	240	--	SANTA PAULA	SANTA PAULA	78	10.5	820	29	1981	1	2019	2
03N21W30H06S	148	--	228	--	SANTA PAULA	SANTA PAULA	81	1.0	84	63	1979	2	2019	2
03N21W30H05S	285	--	485	--	SANTA PAULA	SANTA PAULA	78	45	3,547	181	1979	2	2019	2
03N21W29F03S	--	--	--	--	SANTA PAULA	SANTA PAULA	38	0	12	1	1982	1	2000	2
03N21W29G02S	100	--	300	--	SANTA PAULA	SANTA PAULA	63	144.8	9,124	721	1988	2	2019	2
03N21W29F01S	60	--	125	--	SANTA PAULA	SANTA PAULA	55	61	3,373	230	1979	2	2006	2
03N21W30F01S	260	--	424	--	SANTA PAULA	SANTA PAULA	81	264.4	21,419	744	1979	2	2019	2
03N21W30H02S	--	--	--	--	SANTA PAULA	SANTA PAULA	81	23	1,824	208	1979	2	2019	2
03N21W30H07S	195	--	695	--	SANTA PAULA	SANTA PAULA	39	72	2,809	190	1982	2	2001	2
03N21W30H04S	100	--	400	--	SANTA PAULA	SANTA PAULA	81	208.1	16,852.7	1,439.8	1979	2	2019	2
03N21W29K03S	50	--	120	--	SANTA PAULA	SANTA PAULA	42	3	126	8	1980	1	2001	1
03N21W29K01S	28	--	58	--	SANTA PAULA	SANTA PAULA	40	41.0	1,640	159	1979	2	2003	2
03N21W29K02S	30	--	60	--	SANTA PAULA	SANTA PAULA	48	4.1	199	42	1979	2	2019	2
03N22W26P01S	225	--	385	--	SANTA PAULA	SANTA PAULA	59	0.7	40	4	1990	2	2019	2
03N22W33A02S	520	--	720	--	SANTA PAULA	OUTSIDE	48	3.4	162	16	1979	2	2003	1
03N21W31B01S	--	--	--	--	SANTA PAULA	SANTA PAULA	31	0.3	10.8	4.7	1989	2	2004	2
03N21W31E03S	162	--	232	--	SANTA PAULA	SANTA PAULA	81	15.6	1,260	98	1979	2	2019	2
03N22W36H01S	226	--	442	--	SANTA PAULA	SANTA PAULA	82	7.8	638	29	1979	1	2019	2
03N22W36K04S	699	--	867	--	SANTA PAULA	SANTA PAULA	81	18	1,470	77	1979	2	2019	2
03N22W36J01S	180	--	207	--	SANTA PAULA	SANTA PAULA	81	38.6	3,129	142	1979	2	2019	2
03N22W36K05S	175	--	265	--	SANTA PAULA	SANTA PAULA	50	9.0	449	55.6	1995	1	2019	2
03N22W36K02S	170	--	270	--	SANTA PAULA	SANTA PAULA	81	124.4	10,076	667	1979	2	2019	2
03N22W36R01S	100	--	250	--	SANTA PAULA	SANTA PAULA	51	117	5,984	409	1979	2	2004	2
03N22W35Q02S	222	--	366	--	SANTA PAULA	SANTA PAULA	82	38	3,118	144	1979	1	2019	2
03N22W34Q02S	--	--	--	--	SANTA PAULA	SANTA PAULA	80	79	6,351	290	1979	2	2019	2
03N22W34R01S	300	--	343	--	SANTA PAULA	SANTA PAULA	74	27.1	2,006	92.8	1979	2	2016	1
03N22W35N01S	278	--	308	--	SANTA PAULA	SANTA PAULA	80	21	1,679	63	1979	2	2019	2
02N22W03B01S	208	--	268	--	SANTA PAULA	SANTA PAULA	65	34.1	2,219	48	1979	2	2011	2
02N22W03F02S	--	--	--	--	SANTA PAULA	SANTA PAULA	81	50.2	4,067.6	80.9	1979	2	2019	2
02N22W03E01S	266	--	723	--	SANTA PAULA	SANTA PAULA	81	165.2	13,383.5	262.1	1979	2	2019	2
02N22W02E03S	185	--	210	--	SANTA PAULA	SANTA PAULA	7	4.0	28	14	1979	2	1997	2
02N22W01M04S	--	--	--	--	SANTA PAULA	SANTA PAULA	51	44.9	2,289.6	48.0	1979	2	2004	2
02N22W02G01S	72	--	121	--	SANTA PAULA	SANTA PAULA	81	57.3	4,642	195	1979	2	2019	2
02N22W02K09S	300	--	400	--	SANTA PAULA	SANTA PAULA	63	487.3	30,697.5	1,488.7	1988	2	2019	2
02N22W02K06S	110	--	290	--	SANTA PAULA	SANTA PAULA	19	110.3	2,095	751	1979	2	1997	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
02N22W02J03S	280	--	302	--	SANTA PAULA	SANTA PAULA	10	14.5	145.4	39.8	2011	1	2015	2
02N22W01M02S	83	--	109	--	SANTA PAULA	SANTA PAULA	34	5.8	197	41	2003	1	2019	2
02N22W01M01S	70	--	107	--	SANTA PAULA	SANTA PAULA	21	36	748	41	1993	1	2003	1
02N22W03M03S	354	--	568	--	SANTA PAULA	SANTA PAULA	20	18.5	370	29	1979	2	1989	1
02N22W02K07S	168	--	698	--	SANTA PAULA	SANTA PAULA	69	420.3	29,002	2,494	1979	2	2013	2
02N22W02K08S	24	--	108	--	SANTA PAULA	SANTA PAULA	49	68.6	3,363	141	1979	2	2003	2
02N22W02K02S	92	--	113	--	SANTA PAULA	SANTA PAULA	49	39	1,900	161	1979	2	2003	2
02N22W02J04S	94	--	154	--	SANTA PAULA	SANTA PAULA	71	6	451	42	1979	2	2019	2
02N22W03K02S	--	115	164	--	SANTA PAULA	SANTA PAULA	81	34.2	2,771	117.9	1979	2	2019	2
02N22W02Q01S	--	--	--	--	SANTA PAULA	SANTA PAULA	81	1	41	1	1979	2	2019	2
02N22W03R02S	--	145	--	205	SANTA PAULA	SANTA PAULA	17	77.2	1,312	172.6	1979	2	1987	2
02N22W03Q01S	--	--	--	--	SANTA PAULA	SANTA PAULA	81	12.1	983	15	1979	2	2019	2
02N22W02N04S	--	--	--	--	SANTA PAULA	SANTA PAULA	80	0.4	36	1	1979	2	2019	2
02N22W03Q02S	230	--	248	--	SANTA PAULA	SANTA PAULA	40	14.0	559	51	1979	2	1999	2
02N22W02N01S	--	--	--	--	SANTA PAULA	SANTA PAULA	39	3	127	10	1979	2	1998	2
02N22W11D02S	--	--	208	--	SANTA PAULA	SANTA PAULA	12	11.7	140	20.0	1979	2	1997	2
03N21W12E08S	120	--	285	--	SANTA PAULA	SANTA PAULA	81	614.2	49752.9	1858.0	1979	2	2019	2
03N21W12E04S	120	--	284	--	SANTA PAULA	SANTA PAULA	81	545.0	44141.5	1306.3	1979	2	2019	2
03N21W12F03S	120	--	284	--	SANTA PAULA	SANTA PAULA	81	547.2	44325.0	1511.3	1979	2	2019	2
03N21W11J02S	260	--	700	--	SANTA PAULA	SANTA PAULA	56	895.5	50150.6	1185.2	1992	1	2019	2
03N21W29B03S	120	--	400	--	SANTA PAULA	SANTA PAULA	31	51.7	1601.5	85.8	1991	2	2006	2
02N22W03L01S	175	--	400	--	SANTA PAULA	SANTA PAULA	62	18.3	1133.2	67.0	1989	1	2019	2
02N22W03K03S	160	--	420	--	SANTA PAULA	SANTA PAULA	51	1.5	78.6	2.8	1994	1	2019	1
03N21W21L01S	55	--	95	--	SANTA PAULA	SANTA PAULA	58	1.3	74.1	1.8	1991	1	2019	2
03N21W21K01S	--	--	--	--	SANTA PAULA	SANTA PAULA	54	0.4	23.1	1.0	1991	1	2019	2
03N21W16P03S	194	--	264	--	SANTA PAULA	SANTA PAULA	81	161.9	13112.9	536.2	1979	2	2019	2
03N21W09K04S	260	--	402	--	SANTA PAULA	OUTSIDE	81	56.5	4574.7	105.9	1979	2	2019	2
03N21W10M01S	--	--	--	--	SANTA PAULA	SANTA PAULA	81	151.1	12236.8	193.8	1979	2	2019	2
03N21W21E07S	110	--	210	--	SANTA PAULA	SANTA PAULA	57	2.0	116.6	3.7	1991	2	2019	2
03N22W36H02S	702	--	812	--	SANTA PAULA	SANTA PAULA	49	16.1	787.6	38.0	1995	2	2019	2
03N21W30E02S	120	--	260	--	SANTA PAULA	SANTA PAULA	54	28.8	1554.2	81.2	1993	1	2019	2
03N21W10E02S	160	--	400	--	SANTA PAULA	OUTSIDE	46	5.5	254.4	6.3	1997	1	2019	2
03N21W30H08S	265	--	525	--	SANTA PAULA	SANTA PAULA	46	93.4	4295.0	170.3	1997	1	2019	2
03N21W09R05S	320	--	670	--	SANTA PAULA	SANTA PAULA	46	246.6	11342.0	816.6	1997	1	2019	2
03N21W16A03S	370	--	800	--	SANTA PAULA	SANTA PAULA	43	756.7	32536.4	1493.2	1998	2	2019	2
03N21W20E01S	121	--	252	--	SANTA PAULA	SANTA PAULA	56	18.0	1009.5	31.0	1992	1	2019	2
03N21W21E08S	135	--	215	--	SANTA PAULA	SANTA PAULA	54	5.1	273.6	7.5	1993	1	2019	2
03N22W36K06S	703	--	863	--	SANTA PAULA	SANTA PAULA	50	32.1	1602.9	56.2	1995	1	2019	2
04N21W16F03S	30	--	50	--	SANTA PAULA	OUTSIDE	37	10.1	373.5	55.5	2001	2	2019	2
03N21W12F06S	120	--	395	--	SANTA PAULA	SANTA PAULA	37	700.8	25928.3	1789.3	2001	2	2019	2
03N22W26B02S	239	--	410	--	SANTA PAULA	SANTA PAULA	34	1.7	56.1	18.7	2002	2	2019	2
03N21W30H09S	253	--	493	--	SANTA PAULA	SANTA PAULA	18	8.4	151.3	76.8	2011	1	2019	2
03N21W21E10S	110	--	210	--	SANTA PAULA	SANTA PAULA	30	0.9	27.7	1.2	2005	1	2019	2
03N21W31L02S	100	--	250	--	SANTA PAULA	SANTA PAULA	39	1.3	52.4	9.3	2000	2	2019	2
03N21W29E01S	270	--	420	--	SANTA PAULA	SANTA PAULA	30	119.8	3593.8	204.6	2005	1	2019	2
03N21W20H01S	80	--	300	--	SANTA PAULA	SANTA PAULA	30	24.7	741.2	40.1	2005	1	2019	2
03N22W36Q01S	587	--	827	--	SANTA PAULA	SANTA PAULA	30	320.7	9620.4	634.7	2005	1	2019	2
03N22W36K07S	840	--	1040	--	SANTA PAULA	SANTA PAULA	32	224.2	7173.4	318.6	2004	1	2019	2
03N21W19K01S	170	260	--	--	SANTA PAULA	SANTA PAULA	14	31.9	447.2	79.3	2013	1	2019	2
03N22W34E01S	528	--	618	--	SANTA PAULA	SANTA PAULA	24	0.5	13.0	3.5	2008	1	2019	2
03N21W29C03S	90	--	170	--	SANTA PAULA	SANTA PAULA	24	3.4	80.5	20.0	2008	1	2019	2
03N21W20F04S	134	--	219	--	SANTA PAULA	SANTA PAULA	25	7.6	191.0	14.5	2007	2	2019	2
03N22W26B03S	60	--	280	--	SANTA PAULA	SANTA PAULA	24	12.1	290.9	67.1	2007	2	2019	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
03N21W21E11S	370	--	490	--	SANTA PAULA	SANTA PAULA	24	199.5	4787.6	398.7	2008	1	2019	2
03N21W20A02S	105	--	260	--	SANTA PAULA	SANTA PAULA	25	9.7	243.4	19.4	2007	2	2019	2
03N21W14D01S	60	--	160	--	SANTA PAULA	SANTA PAULA	25	3.2	80.0	7.5	2007	2	2019	2
02N22W01P01S	310	--	480	--	SANTA PAULA	OXNARD FOREBAY	20	9.8	196.9	101.8	2010	1	2019	2
03N21W11F04S	570	--	850	--	SANTA PAULA	SANTA PAULA	30	276.8	8303.8	772.1	2005	1	2019	2
03N21W29B04S	400	--	500	--	SANTA PAULA	SANTA PAULA	25	97.1	2427.1	194.4	2007	2	2019	2
02N22W03B02S	320	--	360	--	SANTA PAULA	SANTA PAULA	21	35.3	740.8	66.5	2009	2	2019	2
03N22W12J02S	300	--	1500	--	SANTA PAULA	OUTSIDE	15	0.8	12.0	4.3	2011	1	2019	2
02N22W03K04S	120	--	297	--	SANTA PAULA	SANTA PAULA	18	0.6	11.2	11.2	2011	1	2019	2
03N21W20R03S	160	--	200	--	SANTA PAULA	SANTA PAULA	18	1.2	21.6	3.1	2011	1	2019	2
03N22W36J03S	162	162	174	174	SANTA PAULA	SANTA PAULA	24	0.8	20.1	3.0	2008	1	2019	2
03N22W26L01S	220	--	420	--	SANTA PAULA	SANTA PAULA	15	0.7	10.8	2.0	2012	1	2019	2
03N22W12K01S	300	--	1070	--	SANTA PAULA	OUTSIDE	14	2.6	36.5	10.0	2013	1	2019	2
02N22W02H02S	312	--	652	--	SANTA PAULA	SANTA PAULA	11	1175.1	12925.7	1689.3	2014	2	2019	2
02N22W02K10S	125	--	700	--	SANTA PAULA	SANTA PAULA	12	443.9	5326.9	798.8	2014	1	2019	2
03N22W34Q03S	280	--	470	--	SANTA PAULA	SANTA PAULA	14	78.0	1091.6	123.3	2013	1	2019	2
03N21W21L02S	40	--	200	--	SANTA PAULA	SANTA PAULA	11	15.2	167.0	23.9	2014	2	2019	2
03N21W09K05S	250	--	490	--	SANTA PAULA	SANTA PAULA	9	45.8	412.3	94.8	2015	2	2019	2
04N21W16B01S	--	--	--	--	SANTA PAULA	OUTSIDE	9	0.3	2.6	0.7	2015	2	2019	2
03N19W19J01S	858	--	1,050	--	LAS POSAS	EAST LAS POSAS	25	1.6	39	4	1984	1	2013	2
03N19W19P02S	865	--	1,095	--	LAS POSAS	EAST LAS POSAS	60	31	1,882	159	1987	1	2019	2
03N19W19N03S	680	--	950	--	LAS POSAS	EAST LAS POSAS	41	11	444	65	1987	1	2013	2
03N20W27G05S	580	--	980	--	LAS POSAS	EAST LAS POSAS	34	35	1,194	140	1987	1	2017	1
03N20W27H02S	523	--	722	--	LAS POSAS	EAST LAS POSAS	28	12	334	20	2006	1	2019	2
03N20W27H01S	730	--	1,060	--	LAS POSAS	EAST LAS POSAS	63	68	4,257	277	1987	1	2019	2
03N20W27G04S	225	--	820	--	LAS POSAS	EAST LAS POSAS	57	8.3	472	33	1983	2	2013	2
03N19W30E03S	700	--	915	--	LAS POSAS	EAST LAS POSAS	27	79.7	2,151	375.2	1983	2	2013	2
03N20W27G01S	312	--	332	--	LAS POSAS	EAST LAS POSAS	59	1	72	3	1983	2	2019	2
03N20W27G03S	155	--	355	--	LAS POSAS	EAST LAS POSAS	21	1	26	4	2009	1	2019	2
03N20W27E01S	250	--	350	--	LAS POSAS	EAST LAS POSAS	25	0	1	1	2003	2	2019	2
03N19W29E03S	284	--	608	--	LAS POSAS	EAST LAS POSAS	73	48.7	3,554	90	1983	2	2019	2
03N19W29F07S	--	--	--	--	LAS POSAS	EAST LAS POSAS	68	13.6	923	31	1985	1	2019	2
03N20W25H01S	--	--	--	--	LAS POSAS	EAST LAS POSAS	69	7	462	28	1983	2	2019	2
03N19W29K04S	744	--	1,212	--	LAS POSAS	EAST LAS POSAS	73	207	15,094	590	1983	2	2019	2
03N19W29M02S	--	--	--	--	LAS POSAS	EAST LAS POSAS	15	12	180	88	2012	2	2019	2
03N19W29K06S	296	--	620	--	LAS POSAS	EAST LAS POSAS	73	184	13,424	494	1983	2	2019	2
03N19W29L02S	177	--	281	--	LAS POSAS	EAST LAS POSAS	13	4	53	53	2006	1	2012	1
03N19W29L01S	--	--	--	--	LAS POSAS	EAST LAS POSAS	23	41.6	956	165	2006	1	2019	2
03N19W29K07S	800	--	1,280	--	LAS POSAS	EAST LAS POSAS	67	310	20,801	592	1986	2	2019	2
03N20W27L01S	125	--	210	--	LAS POSAS	EAST LAS POSAS	35	0.5	18	0.5	1983	2	2000	2
03N20W27M01S	120	--	180	--	LAS POSAS	EAST LAS POSAS	64	0.6	42	2.2	1983	2	2019	2
03N19W29L03S	258	--	450	--	LAS POSAS	EAST LAS POSAS	13	110	1,432	383	2006	1	2012	1
03N20W25J04S	830	--	1,150	--	LAS POSAS	EAST LAS POSAS	63	105.2	6,625	205	1988	1	2019	2
03N20W28J02S	134	--	200	--	LAS POSAS	EAST LAS POSAS	22	0.4	9	1	2008	1	2019	2
03N19W29M03S	300	--	600	--	LAS POSAS	EAST LAS POSAS	71	201	14,302	490	1983	2	2019	2
03N19W30M02S	318	--	610	--	LAS POSAS	EAST LAS POSAS	73	47	3,417	85	1983	2	2019	2
03N19W29N02S	--	--	--	--	LAS POSAS	EAST LAS POSAS	61	1.1	69	1	1983	2	2013	2
03N19W29N03S	184	--	294	--	LAS POSAS	EAST LAS POSAS	73	23	1,712	48	1983	2	2019	2
03N20W26J01S	86	--	148	--	LAS POSAS	EAST LAS POSAS	67	23	1,550	179	1983	2	2019	2
03N19W30Q01S	280	--	460	--	LAS POSAS	EAST LAS POSAS	71	136.8	9,711.9	350.3	1983	2	2019	2
03N20W27N01S	148	--	375	--	LAS POSAS	EAST LAS POSAS	73	8.2	595	13	1983	2	2019	2
03N20W28Q01S	550	--	1,110	--	LAS POSAS	EAST LAS POSAS	72	5.1	364	10	1983	2	2019	2
03N20W27N02S	--	--	--	--	LAS POSAS	EAST LAS POSAS	35	10	351	58	1983	2	2013	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
03N20W28P01S	--	--	--	--	LAS POSAS	EAST LAS POSAS	30	1.0	31	4.6	2005	1	2019	2
03N20W26R03S	803	--	1,180	--	LAS POSAS	EAST LAS POSAS	39	56.0	2,184	179	1983	2	2019	2
03N20W33B01S	844	--	1,141	--	LAS POSAS	EAST LAS POSAS	68	28.5	1,941	61.9	1983	2	2019	2
03N20W33C01S	--	--	--	--	LAS POSAS	EAST LAS POSAS	70	1	58	2	1985	1	2019	2
03N19W32D01S	690	--	940	--	LAS POSAS	EAST LAS POSAS	47	129	6,080	541	1983	2	2013	2
03N20W32G02S	1,295	--	1,540	--	LAS POSAS	WEST LAS POSAS	40	27.9	1,116	114.2	1988	2	2010	1
03N20W32F02S	1,010	--	1,510	--	LAS POSAS	WEST LAS POSAS	49	74	3,643	466	1984	1	2010	1
03N20W36G01S	--	--	--	--	LAS POSAS	EAST LAS POSAS	73	172	12,574	494	1983	2	2019	2
03N20W35H01S	460	--	1,130	--	LAS POSAS	EAST LAS POSAS	36	17.1	617	67.3	1996	1	2013	2
03N20W34G01S	580	--	1,011	--	LAS POSAS	EAST LAS POSAS	70	60	4,195	159	1983	2	2019	2
03N20W32H02S	762	--	1,090	--	LAS POSAS	WEST LAS POSAS	12	28	331	109	2000	1	2013	2
03N20W35G01S	1,160	--	1,440	--	LAS POSAS	EAST LAS POSAS	73	345.1	25,190	700	1983	2	2019	2
03N20W34F01S	479	--	941	--	LAS POSAS	EAST LAS POSAS	53	80.4	4,259	596	1983	2	2013	2
03N20W34L01S	485	--	895	--	LAS POSAS	EAST LAS POSAS	69	158.6	10,945	341.9	1983	2	2019	2
03N20W34J01S	750	--	1,120	--	LAS POSAS	EAST LAS POSAS	62	246.3	15,272	713	1983	2	2014	1
03N20W35J01S	700	--	1,120	--	LAS POSAS	EAST LAS POSAS	59	160	9,438	660	1983	2	2013	2
03N20W34K01S	756	--	1,274	--	LAS POSAS	EAST LAS POSAS	73	113.4	8,276	342	1983	2	2019	2
03N19W31N01S	564	--	924	--	LAS POSAS	EAST LAS POSAS	48	16.5	790	140.2	1989	1	2013	2
03N19W33P03S	290	--	365	--	LAS POSAS	SOUTH LAS POSAS	48	56.8	2,726	217	1983	2	2013	2
03N20W35R01S	670	--	980	--	LAS POSAS	EAST LAS POSAS	65	207.8	13,508.8	543.8	1983	2	2015	2
03N21W35P01S	807	--	1,879	--	LAS POSAS	OUTSIDE	19	104.6	1,988	150	1979	2	1997	2
03N21W35P02S	790	--	1,760	--	LAS POSAS	WEST LAS POSAS	64	97	6,215	276	1988	1	2019	2
03N21W35R01S	800	--	1,720	--	LAS POSAS	WEST LAS POSAS	72	67.6	4,867	617	1983	2	2019	1
02N20W06D01S	560	--	1,000	--	LAS POSAS	WEST LAS POSAS	58	20.0	1,162	87	1983	2	2013	2
02N20W02D02S	878	--	1,238	--	LAS POSAS	EAST LAS POSAS	64	69	4,402	230	1983	2	2019	2
03N21W36Q01S	860	--	1,700	--	LAS POSAS	WEST LAS POSAS	71	105	7,453	224	1983	2	2019	2
03N21W36Q02S	804	--	1,684	--	LAS POSAS	WEST LAS POSAS	71	117.5	8,345	285	1983	2	2019	2
02N20W03B01S	1,016	--	1,448	--	LAS POSAS	EAST LAS POSAS	73	187	13,640	511	1983	2	2019	2
02N20W04F01S	672	--	1,008	--	LAS POSAS	EAST LAS POSAS	70	210.6	14,744	763	1983	2	2019	2
02N19W06F01S	320	--	520	--	LAS POSAS	SOUTH LAS POSAS	72	102	7,336	389	1983	2	2019	2
02N21W03L01S	726	--	1,185	--	LAS POSAS	WEST LAS POSAS	10	137	1,370	172	1979	2	1997	2
02N20W01M01S	533	--	629	--	LAS POSAS	EAST LAS POSAS	65	78.1	5,075	160	1983	2	2018	2
02N20W05J01S	700	--	1,040	--	LAS POSAS	EAST LAS POSAS	72	185	13,288	341	1983	2	2019	2
02N21W01L01S	590	--	1,030	--	LAS POSAS	WEST LAS POSAS	67	232.7	15,594	590	1986	2	2019	2
02N20W02N03S	848	--	1,208	--	LAS POSAS	EAST LAS POSAS	73	206.6	15,079	341	1983	2	2019	2
02N20W03K02S	--	--	--	--	LAS POSAS	EAST LAS POSAS	49	66	3,218	453	1983	2	2013	2
02N20W06J01S	973	--	1,373	--	LAS POSAS	WEST LAS POSAS	73	240	17,545	648	1983	2	2019	2
02N20W06N01S	1,269	--	1,579	--	LAS POSAS	WEST LAS POSAS	45	86	3,870	222	1983	2	2007	2
02N20W01Q01S	129	--	157	--	LAS POSAS	EAST LAS POSAS	64	52	3,352	171	1983	2	2019	2
02N19W06N03S	101	--	121	--	LAS POSAS	SOUTH LAS POSAS	49	15.5	757	128	1983	2	2013	2
02N20W01Q02S	560	--	700	--	LAS POSAS	EAST LAS POSAS	64	102.0	6,531	264.0	1984	2	2019	2
02N21W04Q01S	300	--	1,089	--	LAS POSAS	WEST LAS POSAS	59	42.7	2,521	214.6	1990	1	2019	2
02N20W06R01S	1,090	--	1,512	--	LAS POSAS	WEST LAS POSAS	72	378.6	27,260	895	1983	2	2019	2
02N19W06Q01S	--	--	--	--	LAS POSAS	SOUTH LAS POSAS	44	37	1,624	71	1983	2	2005	2
02N19W07B01S	--	--	--	--	LAS POSAS	SOUTH LAS POSAS	57	37.7	2,148.4	104.0	1983	2	2013	2
02N19W07D02S	98	--	170	--	LAS POSAS	SOUTH LAS POSAS	68	67.5	4,593	475	1984	1	2019	2
02N19W07C01S	104	--	176	--	LAS POSAS	SOUTH LAS POSAS	66	72.5	4,785	152	1985	1	2019	2
02N20W10D02S	873	--	1,097	--	LAS POSAS	EAST LAS POSAS	72	19.8	1,429	45.7	1983	2	2019	2
02N21W11A02S	407	--	740	--	LAS POSAS	WEST LAS POSAS	73	238.4	17,401.5	720.0	1983	2	2019	2
02N20W11D01S	360	--	943	--	LAS POSAS	EAST LAS POSAS	62	120.6	7,477	542.0	1983	2	2016	2
02N20W08B01S	1,050	--	1,300	--	LAS POSAS	WEST LAS POSAS	70	313	21,933	1,110	1983	2	2019	2
02N21W09D01S	430	--	1,016	--	LAS POSAS	WEST LAS POSAS	17	84.5	1,437	245	1981	2	1997	2
02N20W10C01S	615	--	810	--	LAS POSAS	EAST LAS POSAS	25	3.5	88	8	1983	2	2013	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
02N20W10G01S	635	--	890	--	LAS POSAS	EAST LAS POSAS	70	80.3	5,621	231.3	1983	2	2019	2
02N20W12H01S	--	--	--	--	LAS POSAS	SOUTH LAS POSAS	65	76.2	4,950	674.5	1984	1	2019	2
02N20W12H02S	--	--	--	--	LAS POSAS	SOUTH LAS POSAS	66	49.5	3,269	653	1983	2	2019	2
02N20W09H01S	436	--	730	--	LAS POSAS	EAST LAS POSAS	43	14	609	129	1995	1	2019	2
02N20W08H01S	870	--	1,300	--	LAS POSAS	EAST LAS POSAS	33	68.1	2,248	449	1983	2	2013	2
02N20W08E01S	1,041	--	1,481	--	LAS POSAS	WEST LAS POSAS	67	355	23,772	928	1986	2	2019	2
02N21W10F01S	--	--	--	--	LAS POSAS	WEST LAS POSAS	27	15	393	75	1988	2	2001	2
02N21W12H01S	928	--	1,765	--	LAS POSAS	WEST LAS POSAS	69	103.5	7,142	172.7	1985	1	2019	1
02N20W07F01S	1,240	--	1,600	--	LAS POSAS	WEST LAS POSAS	39	230.6	8,994.2	526.2	1983	2	2003	1
02N21W08G02S	540	--	1,027	--	LAS POSAS	WEST LAS POSAS	49	214.0	10,484.4	447.8	1979	2	2003	2
02N21W10G03S	1,080	--	1,560	--	LAS POSAS	WEST LAS POSAS	36	26	948	60	2002	1	2019	2
02N20W08F01S	752	--	1,406	--	LAS POSAS	WEST LAS POSAS	73	303	22,144	655	1983	2	2019	2
02N19W08G01S	121	--	211	--	LAS POSAS	SOUTH LAS POSAS	71	57.6	4,087	170.0	1983	2	2019	2
02N21W12G01S	--	--	--	--	LAS POSAS	WEST LAS POSAS	60	66	3,951	119	1990	1	2019	2
02N21W11H02S	352	--	460	--	LAS POSAS	WEST LAS POSAS	72	49.2	3,544	130.8	1983	2	2019	2
02N20W09F01S	906	--	1,290	--	LAS POSAS	EAST LAS POSAS	60	222.6	13,357.8	550.0	1983	2	2019	2
02N21W11J02S	375	--	1,150	--	LAS POSAS	WEST LAS POSAS	18	78.5	1,414	138.1	1983	2	1992	1
02N19W07K01S	--	--	--	--	LAS POSAS	SOUTH LAS POSAS	68	96	6,516	383	1983	2	2019	2
02N21W08L01S	650	--	1,015	--	LAS POSAS	WEST LAS POSAS	81	47	3,776	204	1979	2	2019	2
02N20W08Q01S	657	--	1,053	--	LAS POSAS	EAST LAS POSAS	60	99.1	5,943.2	382.2	1983	2	2019	2
02N20W11R02S	200	--	500	--	LAS POSAS	OUTSIDE	56	2	99	9	1985	1	2013	2
02N20W09Q01S	--	--	--	--	LAS POSAS	EAST LAS POSAS	60	131	7,852	550	1983	2	2013	2
02N20W09R01S	456	--	724	--	LAS POSAS	EAST LAS POSAS	73	218.3	15,932.9	714.4	1983	2	2019	2
02N20W09Q05S	469	--	885	--	LAS POSAS	EAST LAS POSAS	73	208.1	15,192	459.6	1983	2	2019	2
02N20W09Q06S	480	--	880	--	LAS POSAS	EAST LAS POSAS	37	327.8	12,129.4	961.2	1983	2	2013	2
02N21W10Q03S	960	--	1,660	--	LAS POSAS	WEST LAS POSAS	81	74.6	6,046	309	1979	2	2019	2
02N20W09Q04S	--	--	--	--	LAS POSAS	EAST LAS POSAS	53	88.8	4,709	391	1983	2	2013	2
02N21W16A01S	--	--	--	--	LAS POSAS	WEST LAS POSAS	57	0.9	50	1	1991	2	2019	2
02N20W16C01S	325	--	698	--	LAS POSAS	EAST LAS POSAS	31	19.5	604	176	1983	2	2013	2
02N20W18A01S	782	--	1,192	--	LAS POSAS	WEST LAS POSAS	67	188.9	12,657	462.6	1983	2	2019	1
02N21W17D03S	100	--	215	--	LAS POSAS	OXNARD PLAIN	43	0	2	1	1979	2	2019	2
02N21W18A01S	98	--	138	--	LAS POSAS	OXNARD PLAIN	81	35	2,850	167	1979	2	2019	2
02N20W16B03S	320	--	600	--	LAS POSAS	EAST LAS POSAS	66	183	12,088	460	1986	2	2019	2
02N21W18H11S	762	--	1,302	--	LAS POSAS	OXNARD PLAIN	81	98.9	8,009	300.8	1979	2	2019	2
02N21W18H07S	120	--	300	--	LAS POSAS	OXNARD PLAIN	81	5.2	420	37	1979	2	2019	2
02N21W18H10S	606	--	1,310	--	LAS POSAS	OXNARD PLAIN	78	70.4	5,492	745.0	1981	1	2019	2
02N21W18H03S	90	--	170	--	LAS POSAS	OXNARD PLAIN	81	369.7	29,948	1,361	1979	2	2019	2
02N21W18H06S	90	--	150	--	LAS POSAS	OXNARD PLAIN	74	41.3	3,057.3	201.3	1979	1	2015	2
02N21W17F05S	525	--	1,105	--	LAS POSAS	OXNARD PLAIN	65	88	5,715	212	1987	2	2019	2
02N20W17F01S	318	--	1,113	--	LAS POSAS	EAST LAS POSAS	54	209.5	11,310	576	1983	2	2016	1
02N21W18H05S	80	--	122	--	LAS POSAS	OXNARD PLAIN	69	256	17,650	748	1981	2	2015	2
02N21W17F04S	156	--	174	--	LAS POSAS	OXNARD PLAIN	81	1.0	81	1.6	1979	2	2019	2
02N20W17J01S	260	--	540	--	LAS POSAS	EAST LAS POSAS	53	125.3	6,639	508.6	1983	2	2013	2
02N21W16J01S	182	--	295	--	LAS POSAS	WEST LAS POSAS	4	0	1	0	1979	2	1997	2
02N21W15M04S	524	--	1,044	--	LAS POSAS	WEST LAS POSAS	69	223.7	15,437.0	628.8	1983	2	2019	2
02N21W15M03S	406	--	1,030	--	LAS POSAS	WEST LAS POSAS	31	86.2	2,672	583.0	1983	2	2013	2
02N21W15M05S	550	--	900	--	LAS POSAS	WEST LAS POSAS	72	104	7,485	165	1984	1	2019	2
02N21W16K01S	370	--	900	--	LAS POSAS	WEST LAS POSAS	29	25.2	731	220.3	1979	2	1997	2
02N21W17M02S	95	--	330	--	LAS POSAS	OXNARD PLAIN	49	74	3,643	159	1979	2	2003	2
02N21W17N01S	85	--	182	--	LAS POSAS	OXNARD PLAIN	51	35	1,761	156	1979	2	2004	2
02N21W16N01S	--	--	--	--	LAS POSAS	WEST LAS POSAS	50	59	2,960	206	1979	1	2003	2
02N21W17R01S	520	--	960	--	LAS POSAS	WEST LAS POSAS	81	19.9	1,609	86	1979	2	2019	2
02N21W22G01S	603	--	903	--	LAS POSAS	OUTSIDE	67	195	13,085	397	1986	2	2019	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
02N21W22E01S	1,000	--	1,370	--	LAS POSAS	OUTSIDE	40	138.9	5,556.9	450.5	1983	2	2013	2
02N21W20J02S	640	--	920	--	LAS POSAS	WEST LAS POSAS	81	100.4	8,133	380.0	1979	2	2019	2
02N21W29Q01S	689	--	776	--	LAS POSAS	OUTSIDE	45	0.7	32.0	1.0	1979	2	2001	2
02N21W18H12S	600	--	1300	--	LAS POSAS	OXNARD PLAIN	60	271.4	16286.5	1142.5	1990	1	2019	2
02N21W08L02S	641	--	1041	--	LAS POSAS	WEST LAS POSAS	59	131.6	7763.4	221.0	1990	2	2019	2
02N20W07L01S	1246	--	1567	--	LAS POSAS	WEST LAS POSAS	21	99.7	2093.7	194.2	2009	1	2019	2
02N21W16J03S	560	--	1120	--	LAS POSAS	WEST LAS POSAS	58	145.4	8436.0	315.1	1991	1	2019	2
02N20W01E01S	567	--	907	--	LAS POSAS	EAST LAS POSAS	42	131.1	5505.5	249.7	1992	1	2013	1
02N20W03H01S	900	--	1260	--	LAS POSAS	EAST LAS POSAS	53	283.7	15033.6	562.0	1993	2	2019	2
02N20W04F02S	680	--	1000	--	LAS POSAS	EAST LAS POSAS	52	291.4	15151.3	889.1	1988	1	2014	2
02N20W16D02S	520	--	800	--	LAS POSAS	EAST LAS POSAS	49	22.3	1092.9	117.0	1992	1	2019	2
03N19W30J01S	1017	--	1540	--	LAS POSAS	EAST LAS POSAS	43	206.6	8884.2	516.0	1997	2	2019	2
03N19W31B01S	880	--	1420	--	LAS POSAS	EAST LAS POSAS	42	245.0	10289.6	708.1	1997	2	2019	2
03N20W36L01S	720	--	1180	--	LAS POSAS	EAST LAS POSAS	51	83.5	4257.5	144.5	1992	1	2019	1
03N20W36A03S	720	--	880	--	LAS POSAS	EAST LAS POSAS	57	28.9	1645.2	48.7	1991	2	2019	2
03N20W36A02S	860	--	1400	--	LAS POSAS	EAST LAS POSAS	57	141.6	8072.9	706.8	1990	1	2019	2
03N20W33B03S	800	--	1120	--	LAS POSAS	EAST LAS POSAS	61	31.8	1937.2	77.4	1989	2	2019	2
03N20W33B04S	1058	--	1300	--	LAS POSAS	EAST LAS POSAS	53	12.9	682.3	32.0	1992	1	2019	2
03N20W27L04S	870	--	1190	--	LAS POSAS	EAST LAS POSAS	16	6.2	98.6	24.0	1990	2	2000	2
03N20W25R03S	895	--	1355	--	LAS POSAS	EAST LAS POSAS	35	55.0	1926.5	153.2	1992	1	2013	1
03N20W24P01S	760	--	1180	--	LAS POSAS	EAST LAS POSAS	52	47.6	2475.9	99.0	1993	1	2018	2
02N20W01F01S	622	--	910	--	LAS POSAS	EAST LAS POSAS	48	12.3	591.4	295.7	1993	1	2019	1
02N20W01B01S	550	--	829	--	LAS POSAS	EAST LAS POSAS	47	13.4	629.0	394.6	1993	1	2019	1
02N20W01B02S	532	--	765	--	LAS POSAS	EAST LAS POSAS	45	17.8	801.1	342.9	1993	1	2019	2
02N20W01B03S	510	--	708	--	LAS POSAS	EAST LAS POSAS	43	8.8	376.7	188.4	1993	1	2014	1
03N19W31N02S	537	--	815	--	LAS POSAS	EAST LAS POSAS	54	44.3	2393.7	781.6	1993	1	2019	2
03N19W31E02S	596	--	940	--	LAS POSAS	EAST LAS POSAS	53	34.6	1831.5	520.1	1993	1	2019	1
03N19W31M04S	621	--	890	--	LAS POSAS	EAST LAS POSAS	53	18.2	963.7	399.5	1993	1	2019	1
03N19W31M03S	530	--	864	--	LAS POSAS	EAST LAS POSAS	54	21.8	1177.6	306.3	1993	1	2019	2
03N19W31D03S	790	--	1220	--	LAS POSAS	EAST LAS POSAS	51	65.0	3313.4	1110.0	1993	1	2019	1
03N19W31E03S	640	--	890	--	LAS POSAS	EAST LAS POSAS	54	42.9	2315.4	604.2	1993	1	2019	2
03N19W31D06S	938	--	1509	--	LAS POSAS	EAST LAS POSAS	54	76.8	4148.4	883.0	1993	1	2019	2
03N19W31D05S	750	--	1285	--	LAS POSAS	EAST LAS POSAS	53	51.1	2706.6	872.1	1993	1	2019	2
03N19W31D02S	800	--	1219	--	LAS POSAS	EAST LAS POSAS	54	11.1	596.9	250.7	1993	1	2019	2
03N19W31C02S	748	--	1052	--	LAS POSAS	EAST LAS POSAS	53	34.4	1824.9	685.8	1993	1	2019	2
03N19W31D04S	863	--	1420	--	LAS POSAS	EAST LAS POSAS	54	30.6	1654.1	472.2	1993	1	2019	2
03N19W31C01S	882	--	1431	--	LAS POSAS	EAST LAS POSAS	52	33.3	1731.3	664.8	1993	1	2019	2
02N21W22A01S	780	--	1400	--	LAS POSAS	OUTSIDE	39	91.5	3567.7	261.7	1995	1	2014	2
03N19W28N03S	598	--	900	--	LAS POSAS	SOUTH LAS POSAS	42	16.7	699.9	260.8	1993	1	2013	2
03N19W30E06S	924	--	1204	--	LAS POSAS	EAST LAS POSAS	56	184.6	10335.9	363.3	1991	2	2019	2
03N20W28J03S	--	--	--	--	LAS POSAS	EAST LAS POSAS	48	0.6	31.0	1.2	1983	2	2018	2
03N20W28P03S	--	--	--	--	LAS POSAS	EAST LAS POSAS	19	0.7	13.1	3.6	2010	1	2019	2
03N20W27J01S	--	--	--	--	LAS POSAS	EAST LAS POSAS	19	0.1	2.7	1.2	2005	1	2014	1
02N19W08H02S	60	--	240	--	LAS POSAS	SOUTH LAS POSAS	33	8.2	271.7	23.8	2003	1	2019	2
02N20W06R03S	1041	--	1381	--	LAS POSAS	WEST LAS POSAS	57	100.2	5708.7	419.4	1991	2	2019	2
02N20W08M01S	1040	--	1400	--	LAS POSAS	WEST LAS POSAS	55	255.3	14041.8	676.8	1992	1	2019	2
02N20W11P01S	403	--	483	--	LAS POSAS	OUTSIDE	23	1.2	27.0	27.0	1991	2	2013	2
02N20W17J05S	300	--	480	--	LAS POSAS	EAST LAS POSAS	26	0.2	6.1	1.1	1992	1	2019	2
02N21W28D01S	513	--	867	--	LAS POSAS	OUTSIDE	58	67.2	3897.0	340.0	1983	2	2013	2
02N21W17M03S	120	--	360	--	LAS POSAS	OXNARD PLAIN	42	134.1	5632.5	337.7	1999	1	2019	2
02N21W08G04S	666	--	1066	--	LAS POSAS	WEST LAS POSAS	40	166.7	6666.5	416.9	2000	1	2019	2
02N21W04Q02S	689	--	1054	--	LAS POSAS	WEST LAS POSAS	39	113.4	4423.8	240.6	2000	2	2019	2
02N20W01E02S	686	--	1006	--	LAS POSAS	EAST LAS POSAS	48	56.6	2714.9	575.1	1993	1	2019	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
02N20W01C02S	630	--	909	--	LAS POSAS	EAST LAS POSAS	46	38.6	1774.0	453.9	1993	1	2019	1
02N21W21E01S	540	--	800	--	LAS POSAS	WEST LAS POSAS	40	188.2	7528.1	328.6	1999	2	2019	2
02N21W10Q04S	1290	--	1610	--	LAS POSAS	WEST LAS POSAS	36	162.9	5865.0	253.9	2002	1	2019	2
02N21W17R02S	520	--	860	--	LAS POSAS	WEST LAS POSAS	32	59.5	1902.6	162.0	2004	1	2019	2
02N21W17N03S	190	--	410	--	LAS POSAS	OXNARD PLAIN	38	60.5	2299.8	228.5	2001	1	2019	2
02N21W21D04S	590	--	830	--	LAS POSAS	WEST LAS POSAS	36	61.8	2223.9	167.5	2002	1	2019	2
02N20W01D01S	620	--	780	--	LAS POSAS	EAST LAS POSAS	52	15.5	805.5	29.5	1994	1	2019	2
02N20W02J01S	600	--	900	--	LAS POSAS	EAST LAS POSAS	51	56.8	2898.9	110.5	1994	2	2019	2
02N20W07R02S	960	--	1360	--	LAS POSAS	WEST LAS POSAS	45	278.5	12531.4	751.2	1993	2	2015	2
03N19W30F01S	1020	--	1260	--	LAS POSAS	EAST LAS POSAS	55	58.2	3200.8	98.5	1992	2	2019	2
03N20W27N03S	160	--	604	--	LAS POSAS	EAST LAS POSAS	54	41.6	2247.1	65.7	1991	2	2019	2
02N20W14C01S	340	--	500	--	LAS POSAS	OUTSIDE	48	22.3	1070.6	31.9	1995	1	2019	2
02N20W14C02S	340	--	360	--	LAS POSAS	OUTSIDE	42	23.6	990.4	37.0	1998	2	2019	2
03N19W20P01S	870	--	1230	--	LAS POSAS	EAST LAS POSAS	38	29.2	1111.2	58.7	1996	2	2015	1
02N20W02J02S	--	--	--	--	LAS POSAS	EAST LAS POSAS	43	36.3	1561.8	137.8	1998	2	2019	2
03N20W36G02S	--	--	--	--	LAS POSAS	EAST LAS POSAS	51	78.8	4018.8	180.4	1992	1	2019	2
02N20W09Q07S	480	--	880	--	LAS POSAS	EAST LAS POSAS	44	748.8	32948.9	1396.7	1998	1	2019	2
03N20W34L02S	600	--	1060	--	LAS POSAS	EAST LAS POSAS	39	258.3	10073.5	517.9	1999	2	2019	2
03N20W36M01S	660	--	900	--	LAS POSAS	EAST LAS POSAS	41	17.5	717.2	29.4	1999	1	2019	2
03N20W28P02S	140	--	400	--	LAS POSAS	EAST LAS POSAS	42	0.6	26.7	3.5	1999	1	2019	2
02N21W28C01S	700	--	1160	--	LAS POSAS	OUTSIDE	33	100.4	3313.7	216.1	2003	1	2019	1
03N20W36K01S	--	--	--	--	LAS POSAS	EAST LAS POSAS	39	15.0	585.1	36.1	2000	2	2019	2
02N20W09C01S	850	--	1250	--	LAS POSAS	EAST LAS POSAS	34	208.2	7079.6	402.5	2001	1	2019	2
03N20W35H02S	770	--	970	--	LAS POSAS	EAST LAS POSAS	36	9.6	345.4	41.9	2001	2	2019	1
02N21W20A01S	520	--	800	--	LAS POSAS	WEST LAS POSAS	28	15.9	444.8	59.2	2005	1	2018	2
02N21W16N03S	610	--	830	--	LAS POSAS	WEST LAS POSAS	30	103.9	3115.6	186.8	2005	1	2019	2
02N21W09D02S	650	--	800	--	LAS POSAS	WEST LAS POSAS	61	132.9	8107.0	376.4	1989	2	2019	2
03N20W32H03S	900	--	1100	--	LAS POSAS	WEST LAS POSAS	18	40.7	731.8	139.2	2010	2	2019	2
02N20W10N01S	310	--	363	--	LAS POSAS	EAST LAS POSAS	27	197.7	5337.1	320.0	2004	2	2019	2
03N20W35H03S	687	--	1200	--	LAS POSAS	EAST LAS POSAS	31	363.9	11279.5	708.0	2004	2	2019	2
03N20W34J02S	610	--	940	--	LAS POSAS	EAST LAS POSAS	33	28.0	923.6	63.6	2003	2	2019	2
03N19W31H01S	613	--	803	--	LAS POSAS	EAST LAS POSAS	31	214.3	6644.0	715.3	2004	2	2019	2
03N20W32K01S	870	--	1160	--	LAS POSAS	WEST LAS POSAS	31	58.0	1798.8	234.3	2003	1	2018	1
02N20W17L01S	280	--	580	--	LAS POSAS	EAST LAS POSAS	22	521.9	11482.6	1364.3	2009	1	2019	2
02N20W14F01S	--	--	--	--	LAS POSAS	OUTSIDE	11	1.4	15.4	10.0	2009	1	2018	1
02N20W12K01S	50	--	295	--	LAS POSAS	SOUTH LAS POSAS	53	18.0	952.4	37.3	1993	2	2019	2
02N20W04R02S	910	--	1270	--	LAS POSAS	EAST LAS POSAS	28	129.1	3615.5	240.6	2006	1	2019	2
02N20W12N01S	100	--	140	--	LAS POSAS	OUTSIDE	52	1.0	51.1	5.1	1993	1	2019	2
03N21W35L02S	1300	--	1770	--	LAS POSAS	OUTSIDE	27	7.0	189.7	171.6	2006	2	2019	2
02N21W28A02S	550	--	800	--	LAS POSAS	OUTSIDE	27	203.0	5481.8	348.5	2006	2	2019	2
03N21W36R02S	1215	--	1990	--	LAS POSAS	WEST LAS POSAS	18	17.3	311.2	72.6	2005	1	2013	2
02N21W18H14S	1105	--	1275	--	LAS POSAS	OXNARD PLAIN	21	336.9	7074.4	563.7	2009	2	2019	2
03N20W27H03S	900	--	1100	--	LAS POSAS	EAST LAS POSAS	27	36.3	979.6	158.1	2003	2	2019	1
03N21W35L03S	1100	--	1530	--	LAS POSAS	OUTSIDE	19	45.4	863.2	96.3	2010	2	2019	2
02N19W07B02S	457	--	577	--	LAS POSAS	SOUTH LAS POSAS	25	146.7	3667.9	227.5	2005	2	2019	2
02N20W03J01S	900	--	1060	--	LAS POSAS	EAST LAS POSAS	22	263.9	5805.9	695.1	2009	1	2019	2
02N20W16B06S	230	--	430	--	LAS POSAS	EAST LAS POSAS	26	139.1	3616.6	275.1	2006	2	2019	2
03N19W29K08S	900	--	1310	--	LAS POSAS	EAST LAS POSAS	23	267.4	6150.3	645.5	2008	2	2019	2
03N19W30D02S	970	--	1250	--	LAS POSAS	EAST LAS POSAS	26	131.7	3425.5	251.3	2006	2	2019	2
03N20W27G06S	420	--	900	--	LAS POSAS	EAST LAS POSAS	16	15.4	246.9	25.1	2008	1	2019	2
03N20W28Q02S	110	--	510	--	LAS POSAS	EAST LAS POSAS	27	14.1	381.8	29.9	2006	2	2019	2
03N20W33F01S	720	--	980	--	LAS POSAS	EAST LAS POSAS	24	57.6	1381.8	130.6	2008	1	2019	2
02N20W17E01S	448	--	748	--	LAS POSAS	OUTSIDE	32	50.8	1624.9	177.8	2002	2	2019	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
02N21W11A03S	880	--	1630	--	LAS POSAS	WEST LAS POSAS	21	165.9	3483.1	328.8	2009	2	2019	2
03N19W30N03S	720	1200	--	--	LAS POSAS	EAST LAS POSAS	8	8.8	70.0	18.7	2013	1	2016	2
03N20W26C02S	--	--	--	--	LAS POSAS	EAST LAS POSAS	13	15.5	201.5	22.7	2013	2	2019	2
03N20W27K02S	280	--	560	--	LAS POSAS	EAST LAS POSAS	39	0.3	10.5	0.7	2000	1	2019	1
03N20W28J04S	240	--	620	--	LAS POSAS	EAST LAS POSAS	31	26.5	820.1	56.0	2004	2	2019	2
03N20W36A04S	910	--	1270	--	LAS POSAS	EAST LAS POSAS	13	75.6	983.3	125.2	2013	1	2019	2
02N21W13A01S	1290	--	1590	--	LAS POSAS	WEST LAS POSAS	22	115.8	2547.9	223.5	2009	1	2019	2
02N19W07D01S	--	--	--	--	LAS POSAS	SOUTH LAS POSAS	15	63.5	952.7	195.0	2004	2	2013	2
02N20W03K03S	882	--	1042	--	LAS POSAS	EAST LAS POSAS	20	209.7	4193.8	338.9	2009	2	2019	1
02N20W14C03S	--	--	--	--	LAS POSAS	OUTSIDE	35	19.2	670.2	42.2	2002	1	2019	2
03N20W26C01S	240	--	360	--	LAS POSAS	EAST LAS POSAS	70	0.6	44.3	1.5	1985	1	2019	2
03N20W26D01S	--	--	--	--	LAS POSAS	EAST LAS POSAS	66	1.0	65.1	1.5	1985	1	2018	1
03N20W26H01S	680	--	1100	--	LAS POSAS	EAST LAS POSAS	31	52.7	1634.6	81.0	2004	2	2019	2
03N20W27G07S	--	--	--	--	LAS POSAS	EAST LAS POSAS	20	3.8	76.5	7.6	2010	1	2019	2
03N20W27H04S	--	--	--	--	LAS POSAS	EAST LAS POSAS	20	126.2	2523.7	244.6	2010	1	2019	2
03N20W34J03S	--	--	--	--	LAS POSAS	EAST LAS POSAS	19	189.4	3598.4	314.4	2010	2	2019	2
03N20W35D01S	1435	--	1665	--	LAS POSAS	EAST LAS POSAS	29	39.2	1136.2	143.1	2005	1	2019	2
03N21W36R03S	966	--	1476	--	LAS POSAS	WEST LAS POSAS	20	97.1	1941.6	183.3	2010	1	2019	2
02N21W08L03S	625	--	1030	--	LAS POSAS	WEST LAS POSAS	12	166.4	1996.5	206.6	2014	1	2019	2
02N21W08H03S	635	--	1340	--	LAS POSAS	WEST LAS POSAS	10	313.4	3134.0	451.9	2015	1	2019	2
02N20W01A01S	500	--	720	--	LAS POSAS	EAST LAS POSAS	10	47.8	477.9	65.1	2015	1	2019	2
03N20W25R04S	950	--	1500	--	LAS POSAS	EAST LAS POSAS	10	98.6	985.9	174.3	2015	1	2019	2
02N20W04B01S	710	--	990	--	LAS POSAS	EAST LAS POSAS	9	228.0	2052.2	303.7	2015	2	2019	2
02N20W09B01S	420	--	700	--	LAS POSAS	EAST LAS POSAS	10	20.0	200.0	36.6	2015	1	2019	2
03N19W32L01S	605	--	860	--	LAS POSAS	WEST LAS POSAS	9	37.6	338.0	48.7	2015	2	2019	2
02N20W01E03S	700	--	1000	--	LAS POSAS	EAST LAS POSAS	12	48.4	580.7	91.2	2013	2	2019	2
02N20W11Q01S	280	--	875	--	LAS POSAS	OUTSIDE	13	32.1	417.7	54.7	2013	2	2019	2
02N20W16R01S	300	--	605	--	LAS POSAS	OUTSIDE	8	0.2	1.7	1.7	2015	2	2019	1
03N20W27N05S	--	--	--	--	LAS POSAS	EAST LAS POSAS	18	0.2	3.1	1.7	2010	1	2019	2
03N20W28J05S	240	--	360	--	LAS POSAS	EAST LAS POSAS	14	0.5	7.5	0.8	2013	1	2019	2
03N20W36P01S	630	--	890	--	LAS POSAS	EAST LAS POSAS	13	20.0	259.6	25.6	2013	2	2019	2
02N22W11C03S	180	--	470	--	MOUND	OXNARD FOREBAY	22	4.3	95	12.0	1979	2	1997	2
02N22W11M01S	100	--	410	--	MOUND	OXNARD FOREBAY	45	37	1,676	56	1979	2	2001	2
02N22W09K03S	424	--	545	--	MOUND	MOUND	52	85.1	4,423	200	1979	2	2005	1
02N22W08L01S	460	--	1,405	--	MOUND	MOUND	81	509.6	41,276.9	2,390.9	1979	2	2019	2
02N22W09K05S	625	--	1,455	--	MOUND	MOUND	82	72.7	5,961	399	1979	1	2019	2
02N22W09K01S	236	--	336	--	MOUND	MOUND	81	50.6	4,098	133	1979	2	2019	2
02N22W10N01S	200	--	300	--	MOUND	MOUND	49	73.0	3,579	151.0	1979	2	2003	2
02N22W08P01S	160	--	321	--	MOUND	MOUND	15	4.9	73	23.8	1979	2	1997	2
02N22W08N01S	554	--	720	--	MOUND	MOUND	49	78.9	3,865	130	1979	2	2003	2
02N22W10N02S	200	--	354	--	MOUND	MOUND	81	89.4	7,242	267.2	1979	2	2019	2
02N22W15D02S	227	--	379	--	MOUND	MOUND	81	45.0	3,646	72	1979	2	2019	2
02N23W14B01S	223	--	733	--	MOUND	MOUND	11	59.4	653.6	123.0	1979	2	1997	2
02N23W13E01S	523	--	1,123	--	MOUND	MOUND	73	212	15,500	733	1983	2	2019	2
02N22W16H01S	--	--	--	--	MOUND	MOUND	81	60.0	4,863	220	1979	2	2019	2
02N22W16K01S	292	--	345	--	MOUND	MOUND	81	11.9	960	64.2	1979	2	2019	2
02N23W13K03S	800	--	1,200	--	MOUND	MOUND	81	294.0	23,811	757	1979	2	2019	2
02N23W13K04S	800	--	1,200	--	MOUND	MOUND	73	128.4	9,372.6	293.7	1983	2	2019	2
02N23W14K01S	501	--	920	--	MOUND	MOUND	9	134.4	1,209	252.7	1979	2	1997	2
02N23W13K01S	623	--	1,230	--	MOUND	MOUND	11	33.5	368	102.3	1979	2	1997	2
02N22W18N01S	660	--	1,200	--	MOUND	MOUND	81	113.5	9,194	332	1979	2	2019	2
02N22W17Q05S	360	--	478	--	MOUND	MOUND	72	35	2,551	213	1982	1	2019	2
02N22W20B02S	180	--	320	--	MOUND	MOUND	8	106.0	848	224	1979	2	1997	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
02N23W24F01S	--	--	--	--	MOUND	MOUND	81	115	9,280	521	1979	2	2019	2
02N23W24G01S	742	--	927	--	MOUND	MOUND	81	2	200	70	1979	2	2019	2
02N22W19K02S	200	--	230	--	MOUND	MOUND	76	0	22	1	1979	2	2019	2
02N22W19M03S	350	--	625	--	MOUND	MOUND	30	42	1,255	106	1990	1	2004	2
02N22W17M01S	440	--	600	--	MOUND	MOUND	20	39.4	787.1	65.4	1992	1	2001	2
02N22W20E01S	462	--	818	--	MOUND	MOUND	57	34.6	1974.5	162.8	1991	2	2019	2
02N23W13F02S	521	--	982	--	MOUND	MOUND	82	205.7	16870.8	810.7	1979	1	2019	2
02N22W08F01S	580	--	1180	--	MOUND	MOUND	43	1105.0	47513.8	2331.2	1998	2	2019	2
02N22W19L02S	--	--	--	--	MOUND	MOUND	60	50.3	3020.7	160.0	1988	1	2019	2
02N22W17M02S	550	--	850	--	MOUND	MOUND	36	53.6	1928.0	83.7	2002	1	2019	2
02N22W09K06S	420	--	560	--	MOUND	MOUND	1	12.7	12.7	12.7	2003	2	2003	2
02N22W07P01S	460	--	580	--	MOUND	MOUND	38	35.9	1365.0	501.1	2001	1	2019	2
02N22W08G01S	580	--	650	--	MOUND	MOUND	34	636.4	21637.7	1530.3	2003	1	2019	2
02N22W10N03S	200	--	280	--	MOUND	MOUND	31	50.4	1562.2	92.5	2004	2	2019	2
02N22W09K07S	640	--	1440	--	MOUND	MOUND	31	127.5	3953.4	216.9	2004	2	2019	2
02N22W19M04S	343	--	493	--	MOUND	MOUND	30	109.4	3280.6	247.4	2005	1	2019	2
02N22W19K03S	450	--	600	--	MOUND	MOUND	22	115.5	2540.3	265.6	2009	1	2019	2
02N22W09K08S	224	--	465	--	MOUND	MOUND	19	59.2	1124.0	102.7	2010	2	2019	2
02N23W13G01S	360	--	860	--	MOUND	MOUND	19	295.9	5622.5	472.6	2010	2	2019	2
02N22W15E02S	120	--	320	--	MOUND	MOUND	10	3.9	38.7	12.0	2015	1	2019	2
05N18W33R01S	159	--	279	--	OUTSIDE	OUTSIDE	38	2.9	112	41	2001	1	2019	2
04N20W11L01S	150	--	400	--	OUTSIDE	OUTSIDE	59	0.9	54	2	1990	2	2019	2
04N21W15N01S	45	--	90	--	OUTSIDE	OUTSIDE	9	6.3	57	24	2015	2	2019	2
04N19W21L01S	--	--	--	--	OUTSIDE	OUTSIDE	5	4	22	11	1979	2	1997	2
03N19W07D01S	160	--	200	--	OUTSIDE	OUTSIDE	58	0.2	12	2.0	1989	1	2019	2
03N20W12L02S	--	--	--	--	OUTSIDE	OUTSIDE	58	0.0	1	0	1991	1	2019	2
03N20W12L01S	70	--	1,093	--	OUTSIDE	OUTSIDE	58	0.1	3.4	1.0	1991	1	2019	2
03N20W12L03S	50	--	270	--	OUTSIDE	OUTSIDE	58	0	3	1	1991	1	2019	2
03N19W15E01S	268	--	452	--	OUTSIDE	OUTSIDE	50	4.6	232.0	19.6	1988	1	2019	1
03N19W17P01S	685	--	750	--	OUTSIDE	OUTSIDE	18	2	34	7	2011	1	2019	2
03N19W17Q01S	1,100	--	1,340	--	OUTSIDE	EAST LAS POSAS	51	14	707	50	1987	2	2019	2
03N19W19K02S	1,167	--	1,487	--	OUTSIDE	EAST LAS POSAS	67	37.5	2,515	120	1983	2	2019	2
03N20W23L01S	1,167	--	1,475	--	OUTSIDE	OUTSIDE	39	3	134	15	1987	1	2013	1
03N20W24J01S	810	--	1,010	--	OUTSIDE	EAST LAS POSAS	59	121	7,118	277	1983	2	2013	2
04N21W15L01S	100	--	200	--	OUTSIDE	OUTSIDE	57	20.3	1154.6	25.0	1991	2	2019	2
04N21W16R01S	300	--	380	--	OUTSIDE	OUTSIDE	55	21.3	1170.5	40.1	1992	2	2019	2
04N19W19K01S	--	--	--	--	OUTSIDE	OUTSIDE	46	2.9	133.6	133.6	1997	1	2019	2
04N19W29R02SB	--	--	--	--	OUTSIDE	FILLMORE	44	0.5	21.7	1.0	1979	2	2001	2
03N19W10Q01S	--	--	--	--	OUTSIDE	OUTSIDE	36	0.3	11.6	0.5	1994	2	2019	1
03N19W20G01S	995	--	1195	--	OUTSIDE	EAST LAS POSAS	29	24.8	718.5	57.8	2002	1	2019	2
04N18W05G01S	460	--	560	--	OUTSIDE	OUTSIDE	28	0.5	13.2	1.2	2005	2	2019	2
04N20W16N01S	--	--	--	--	OUTSIDE	OUTSIDE	20	3.1	62.7	50.0	2009	2	2019	2
03N21W14N01S	180	--	300	--	OUTSIDE	OUTSIDE	18	0.3	5.2	0.7	2011	1	2019	2
04N19W28B01S	240	--	320	--	OUTSIDE	OUTSIDE	24	0.3	7.9	0.5	2008	1	2019	2
02N22W02R04S	106	--	501	--	OXNARD BASIN	OXNARD FOREBAY	15	715.3	10,730.1	2,494.2	1979	2	1997	2
02N22W12A02S	40	--	121	--	OXNARD BASIN	OXNARD FOREBAY	80	4.1	327.7	12.7	1979	2	2019	2
02N22W11A01S	75	--	155	--	OXNARD BASIN	OXNARD FOREBAY	28	24.4	684.0	94.2	2006	1	2019	2
02N22W12G03S	80	--	141	--	OXNARD BASIN	OXNARD FOREBAY	81	5	400	20	1979	2	2019	2
02N22W12E02S	205	--	355	--	OXNARD BASIN	OXNARD FOREBAY	23	512.2	11,781	665	1979	2	1997	2
02N22W12E04S	140	--	464	--	OXNARD BASIN	OXNARD FOREBAY	46	206	9,491	659	1990	1	2012	2
02N21W07K01S	78	--	150	--	OXNARD BASIN	OXNARD FOREBAY	43	136.7	5,878	486.5	1979	2	2000	2
02N21W07K02S	250	--	750	--	OXNARD BASIN	OXNARD PLAIN	14	26.6	373	64.0	1982	2	1997	2
02N22W12L04S	60	--	317	--	OXNARD BASIN	OXNARD FOREBAY	34	42.5	1,446	77	1979	2	1997	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
02N22W12K02S	90	--	172	--	OXNARD BASIN	OXNARD FOREBAY	34	39	1,331	122	1979	2	1997	2
02N22W12M02S	204	--	348	--	OXNARD BASIN	OXNARD FOREBAY	81	5.7	460	36	1979	2	2019	2
02N22W12K05S	68	--	233	--	OXNARD BASIN	OXNARD FOREBAY	81	57.7	4,674.9	422.6	1979	2	2019	2
02N22W12L02S	140	--	260	--	OXNARD BASIN	OXNARD FOREBAY	13	23.3	303	69	1990	1	1997	2
02N21W07M03S	360	--	720	--	OXNARD BASIN	OXNARD FOREBAY	45	148.3	6,675	868	1979	2	2001	2
02N21W07P04S	420	--	820	--	OXNARD BASIN	OXNARD FOREBAY	62	100.4	6,225	429	1989	1	2019	2
02N21W07P02S	192	--	856	--	OXNARD BASIN	OXNARD FOREBAY	10	180.3	1,803	337.0	1979	2	1997	2
02N21W07R01S	520	--	1,244	--	OXNARD BASIN	OXNARD PLAIN	75	41.8	3,133	379.4	1979	2	2016	2
02N21W07P03S	550	--	1,000	--	OXNARD BASIN	OXNARD FOREBAY	72	121	8,683	402	1984	1	2019	2
02N22W12N04S	192	--	336	--	OXNARD BASIN	OXNARD FOREBAY	81	38	3,044.8	182.9	1979	2	2019	2
02N22W12Q05S	243	--	703	--	OXNARD BASIN	OXNARD FOREBAY	81	56.3	4,560	244.2	1979	2	2019	2
02N22W12Q04S	120	--	148	--	OXNARD BASIN	OXNARD FOREBAY	81	5.8	466	73.8	1979	2	2019	2
02N22W12N03S	276	--	456	--	OXNARD BASIN	OXNARD FOREBAY	81	33.5	2,712.7	119.7	1979	2	2019	2
02N22W11R02S	284	--	404	--	OXNARD BASIN	OXNARD FOREBAY	11	0	1	1	1979	2	1997	2
02N22W12N07S	50	--	110	--	OXNARD BASIN	OXNARD FOREBAY	33	1	26	5	1984	2	2000	2
02N22W11R03S	290	--	410	--	OXNARD BASIN	OXNARD FOREBAY	79	37.9	2,994	166.3	1979	2	2019	2
02N21W07Q01S	740	--	1,260	--	OXNARD BASIN	OXNARD PLAIN	81	57.1	4,626	167.4	1979	2	2019	2
02N22W14A02S	120	--	152	--	OXNARD BASIN	OXNARD FOREBAY	81	0.7	56.2	5.0	1979	2	2019	2
02N22W13D01S	340	--	540	--	OXNARD BASIN	OXNARD FOREBAY	81	48.5	3,932	206.6	1979	2	2019	2
02N21W18B01S	70	--	160	--	OXNARD BASIN	OXNARD PLAIN	81	95.4	7,724	254.0	1979	2	2019	2
02N21W18B02S	552	--	1,101	--	OXNARD BASIN	OXNARD PLAIN	67	66.5	4,455	196	1986	2	2019	2
02N22W14A05S	119	--	179	--	OXNARD BASIN	OXNARD FOREBAY	81	20.2	1,635	231	1979	2	2019	2
02N22W14A03S	--	--	--	--	OXNARD BASIN	OXNARD FOREBAY	72	0.8	61	2	1984	1	2019	2
02N21W18A02S	824	--	1,424	--	OXNARD BASIN	OXNARD PLAIN	7	58	408	74	1983	2	1997	2
02N22W14A08S	120	--	180	--	OXNARD BASIN	OXNARD FOREBAY	81	1.2	99	3	1979	2	2019	2
02N22W14A04S	100	--	185	--	OXNARD BASIN	OXNARD FOREBAY	80	8	608	31	1979	2	2019	2
02N22W14B01S	414	--	762	--	OXNARD BASIN	OXNARD FOREBAY	81	34.0	2,750	243.7	1979	2	2019	2
02N22W13A04S	274	--	694	--	OXNARD BASIN	OXNARD FOREBAY	48	84.7	4,067	250	1979	2	2003	1
02N22W14H03S	128	--	178	--	OXNARD BASIN	OXNARD FOREBAY	81	72	5,840	135	1979	2	2019	2
02N22W14H02S	98	--	170	--	OXNARD BASIN	OXNARD FOREBAY	18	1.8	31.6	31.6	2009	2	2018	2
02N22W13G02S	80	--	190	--	OXNARD BASIN	OXNARD FOREBAY	45	66.6	2,996.1	631.0	1979	2	2001	2
02N22W13K02S	95	--	308	--	OXNARD BASIN	OXNARD FOREBAY	81	76.4	6,192	418.2	1979	2	2019	2
02N22W13L03S	100	--	175	--	OXNARD BASIN	OXNARD FOREBAY	81	11.1	901.2	38.5	1979	2	2019	2
02N22W14L02S	100	--	200	--	OXNARD BASIN	OXNARD FOREBAY	81	8.8	714	21.1	1979	2	2019	2
02N22W14L04S	250	--	268	--	OXNARD BASIN	OXNARD FOREBAY	17	19	318	52	1979	2	1997	2
02N22W14L06S	--	--	--	--	OXNARD BASIN	OXNARD FOREBAY	37	2	83	5	2001	2	2019	2
02N22W14J02S	145	--	410	--	OXNARD BASIN	OXNARD FOREBAY	81	129.2	10,464	294	1979	2	2019	2
02N22W14J01S	84	--	190	--	OXNARD BASIN	OXNARD FOREBAY	26	2	64	4	1979	2	1997	2
02N22W13M01S	--	--	178	--	OXNARD BASIN	OXNARD FOREBAY	42	40.3	1,691	152.4	1979	2	2000	1
02N22W13L04S	120	--	244	--	OXNARD BASIN	OXNARD FOREBAY	20	54.8	1,097	120	1983	1	1997	2
02N22W14L05S	164	--	404	--	OXNARD BASIN	OXNARD FOREBAY	81	31.6	2,557	85	1979	2	2019	2
02N22W13L01S	95	--	215	--	OXNARD BASIN	OXNARD FOREBAY	81	95.3	7,718	263	1979	2	2019	2
02N22W13L05S	120	--	210	--	OXNARD BASIN	OXNARD FOREBAY	81	119.2	9,656	299	1979	2	2019	2
02N22W14P03S	162	--	306	--	OXNARD BASIN	OXNARD FOREBAY	75	18	1,328	48	1982	2	2019	2
02N22W16Q01S	136	--	578	--	OXNARD BASIN	OXNARD PLAIN	81	62.2	5,039.6	139.1	1979	2	2019	2
02N22W15Q03S	206	--	314	--	OXNARD BASIN	OXNARD FOREBAY	42	155	6,528	295	1979	2	2000	1
02N22W14Q01S	60	--	260	--	OXNARD BASIN	OXNARD FOREBAY	71	0.3	24	2	1979	2	2014	2
02N22W14Q02S	60	--	260	--	OXNARD BASIN	OXNARD FOREBAY	82	53	4,374	166	1979	1	2019	2
02N22W15R01S	130	--	242	--	OXNARD BASIN	OXNARD FOREBAY	44	12.7	559	70	1979	2	2001	1
02N21W18P01S	100	--	200	--	OXNARD BASIN	OXNARD PLAIN	21	44	917	64	2009	2	2019	2
02N21W18R01S	98	--	310	--	OXNARD BASIN	OXNARD PLAIN	15	85.8	1,288	161	1979	2	1997	2
02N22W14P02S	149	--	277	--	OXNARD BASIN	OXNARD FOREBAY	81	613	49,689	2,011	1979	2	2019	2
02N21W18Q02S	445	--	1,003	--	OXNARD BASIN	OXNARD PLAIN	24	183	4,394	410	1980	1	1997	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
02N22W16Q03S	180	--	350	--	OXNARD BASIN	OXNARD PLAIN	81	81	6,590	207	1979	2	2019	2
02N22W13N02S	752	--	1,092	--	OXNARD BASIN	OXNARD FOREBAY	70	60.4	4,231	865	1985	1	2019	2
02N22W15Q01S	78	--	150	--	OXNARD BASIN	OXNARD FOREBAY	55	278.5	15,316	691	1979	2	2006	2
02N22W23C01S	100	--	300	--	OXNARD BASIN	OXNARD FOREBAY	72	767.9	55,288	2,153.3	1979	2	2015	1
02N22W23B02S	163	--	277	--	OXNARD BASIN	OXNARD FOREBAY	81	520	42,152	2,003	1979	2	2019	2
02N21W19A01S	95	--	147	--	OXNARD BASIN	OXNARD PLAIN	81	80.2	6,493	344	1979	2	2019	2
02N22W21D03S	193	--	313	--	OXNARD BASIN	OXNARD PLAIN	54	17.6	951	24	1979	2	2006	1
02N22W24D01S	130	--	258	--	OXNARD BASIN	OXNARD FOREBAY	81	92	7,492	159	1979	2	2019	2
02N21W19A03S	528	--	1,007	--	OXNARD BASIN	OXNARD PLAIN	81	56.2	4,554	255.6	1979	2	2019	2
02N22W23D04S	76	--	180	--	OXNARD BASIN	OXNARD FOREBAY	43	63.5	2,729	154	1979	2	2000	2
02N22W23D05S	80	--	227	--	OXNARD BASIN	OXNARD FOREBAY	81	5.4	434.5	31.3	1979	1	2019	2
02N22W23B01S	100	--	277	--	OXNARD BASIN	OXNARD FOREBAY	81	485.7	39,345	2,128.9	1979	2	2019	2
02N21W19A02S	100	--	212	--	OXNARD BASIN	OXNARD PLAIN	48	89.6	4,303	244.7	1979	2	2003	1
02N22W24A01S	120	--	320	--	OXNARD BASIN	OXNARD PLAIN	81	170.4	13,806	444.9	1979	2	2019	2
02N22W23C03S	556	--	1,092	--	OXNARD BASIN	OXNARD FOREBAY	42	1	50	10	1979	2	2000	1
02N22W23C02S	139	--	290	--	OXNARD BASIN	OXNARD FOREBAY	81	888	71,954	2,250	1979	2	2019	2
02N22W23G02S	100	--	277	--	OXNARD BASIN	OXNARD FOREBAY	59	689	40,674	1,713	1979	2	2008	2
02N21W19B02S	99	--	137	--	OXNARD BASIN	OXNARD PLAIN	80	19.2	1,532.1	64.5	1979	2	2019	2
02N22W23H04S	850	--	1,390	--	OXNARD BASIN	OXNARD FOREBAY	70	32	2,236	415	1985	1	2019	2
02N21W19G01S	64	--	220	--	OXNARD BASIN	OXNARD PLAIN	81	65	5,226	542	1979	2	2019	2
02N22W23F06S	80	--	250	--	OXNARD BASIN	OXNARD FOREBAY	62	52.9	3,277	161	1980	2	2019	2
02N22W23F01S	100	--	300	--	OXNARD BASIN	OXNARD FOREBAY	32	6.5	207	8.0	2004	1	2019	2
02N22W23H03S	120	--	182	--	OXNARD BASIN	OXNARD FOREBAY	81	115.2	9,333	242	1979	2	2019	2
02N22W23F04S	124	--	250	--	OXNARD BASIN	OXNARD FOREBAY	49	5.7	280	8.0	1979	2	2003	2
02N21W19G02S	120	--	147	--	OXNARD BASIN	OXNARD PLAIN	80	90.8	7,268	294.5	1979	2	2019	2
02N22W22H01S	96	--	208	--	OXNARD BASIN	OXNARD FOREBAY	56	9	512	38	1979	1	2006	2
02N22W23G03S	100	--	300	--	OXNARD BASIN	OXNARD FOREBAY	81	879.2	71,218	2,130	1979	2	2019	2
02N22W21H01S	--	--	--	210	OXNARD BASIN	OXNARD FOREBAY	55	144	7,893	421	1979	2	2006	2
02N21W20E02S	550	--	900	--	OXNARD BASIN	OXNARD PLAIN	81	51	4,150	163	1979	2	2019	2
02N22W19J02S	160	--	500	--	OXNARD BASIN	OXNARD PLAIN	81	198.4	16,073	632	1979	2	2019	2
02N22W20M06S	319	--	600	--	OXNARD BASIN	OXNARD PLAIN	78	28	2,157	131	1979	2	2019	2
02N22W22G01S	120	--	200	--	OXNARD BASIN	OXNARD FOREBAY	51	99.6	5,079	335	1979	2	2004	2
02N22W20M02S	365	--	927	--	OXNARD BASIN	OXNARD PLAIN	78	2.8	217.4	130.7	1979	2	2019	2
02N22W20M07S	352	--	552	--	OXNARD BASIN	OXNARD PLAIN	79	35.1	2,774	151.3	1979	2	2019	2
02N22W20L03S	403	--	853	--	OXNARD BASIN	OXNARD PLAIN	62	652.9	40,479.8	1,656.3	1989	1	2019	2
02N22W20L02S	354	--	830	--	OXNARD BASIN	OXNARD PLAIN	73	426.9	31,165	1,627.3	1979	2	2015	2
02N22W23F05S	300	--	412	--	OXNARD BASIN	OXNARD FOREBAY	81	130	10,525	168	1979	2	2019	2
02N22W23K01S	124	--	250	--	OXNARD BASIN	OXNARD FOREBAY	48	177.7	8,528	1,213	1979	2	2003	1
02N22W23K04S	710	--	1,777	--	OXNARD BASIN	OXNARD FOREBAY	48	3.4	164	77.0	1979	2	2003	1
02N22W23J01S	116	--	206	--	OXNARD BASIN	OXNARD FOREBAY	81	90	7,291	169	1979	2	2019	2
02N22W23K02S	133	--	232	--	OXNARD BASIN	OXNARD FOREBAY	80	97.6	7,811	221.9	1979	1	2019	2
02N22W20K01S	403	--	853	--	OXNARD BASIN	OXNARD PLAIN	62	1,008	62,490	1,749	1989	1	2019	2
02N21W19L01S	--	--	--	212	OXNARD BASIN	OXNARD PLAIN	70	37	2,609	248	1979	2	2015	2
02N22W20J01S	310	--	910	--	OXNARD BASIN	OXNARD PLAIN	20	1,262.3	25,246	1,726	1979	2	1989	1
02N22W21J03S	200	--	308	--	OXNARD BASIN	OXNARD FOREBAY	19	61	1,153	204	1979	2	1997	2
02N21W20M02S	100	--	160	--	OXNARD BASIN	OXNARD PLAIN	61	1.1	64	2	1989	2	2019	2
02N22W22J02S	124	--	200	--	OXNARD BASIN	OXNARD FOREBAY	55	79.8	4,389	172.3	1979	2	2006	2
02N22W24K01S	80	--	150	--	OXNARD BASIN	OXNARD PLAIN	81	55.8	4,518	245	1979	2	2019	2
02N22W23K05S	144	--	336	--	OXNARD BASIN	OXNARD FOREBAY	80	839	67,140	3,090	1980	1	2019	2
02N22W22M04S	86	--	246	--	OXNARD BASIN	OXNARD FOREBAY	4	0.8	3	1	1979	2	1997	2
02N21W20M03S	116	--	196	--	OXNARD BASIN	OXNARD PLAIN	81	13.1	1,063	77.4	1979	2	2019	2
02N22W21M01S	160	--	300	--	OXNARD BASIN	OXNARD PLAIN	70	58.5	4,097.0	183.0	1985	1	2019	2
02N22W21Q01S	143	--	178	--	OXNARD BASIN	OXNARD PLAIN	27	78	2,096	203	1979	2	1997	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
02N22W22R04S	120	--	290	--	OXNARD BASIN	OXNARD FOREBAY	81	149	12,043	257	1979	2	2019	2
02N22W24P02S	300	--	1,210	--	OXNARD BASIN	OXNARD PLAIN	76	156.9	11,921	327.0	1982	1	2019	2
02N21W19L02S	103	--	175	--	OXNARD BASIN	OXNARD PLAIN	80	92	7,322	264	1979	2	2019	2
02N22W22Q01S	100	--	142	--	OXNARD BASIN	OXNARD FOREBAY	48	4.9	233	16	1979	2	2003	1
02N22W23Q01S	98	--	162	--	OXNARD BASIN	OXNARD FOREBAY	81	84.3	6,825	281	1979	2	2019	2
02N22W24P01S	290	--	480	--	OXNARD BASIN	OXNARD PLAIN	81	131.9	10,681	320.8	1979	2	2019	2
02N22W20Q01S	187	--	664	--	OXNARD BASIN	OXNARD PLAIN	81	9.8	795	140.0	1979	2	2019	2
02N22W24Q02S	183	--	195	--	OXNARD BASIN	OXNARD PLAIN	81	1	60	1	1979	2	2019	2
02N22W24R02S	100	--	160	--	OXNARD BASIN	OXNARD PLAIN	74	0.4	26	1.0	1983	1	2019	2
02N22W22Q02S	140	--	182	--	OXNARD BASIN	OXNARD FOREBAY	24	6.0	145	19	1979	2	1997	2
02N22W22Q03S	110	--	268	--	OXNARD BASIN	OXNARD FOREBAY	24	12.7	304	26.8	1979	2	1997	2
02N21W20Q04S	600	--	1,055	--	OXNARD BASIN	WEST LAS POSAS	58	54.5	3,159	221	1979	2	2008	1
02N22W26C01S	90	--	180	--	OXNARD BASIN	OXNARD FOREBAY	81	23.5	1,906	142.8	1979	2	2019	2
02N22W24R01S	100	--	200	--	OXNARD BASIN	OXNARD PLAIN	81	8.2	666	26	1979	2	2019	2
02N22W27B01S	145	--	230	--	OXNARD BASIN	OXNARD FOREBAY	65	8	534	29	1979	2	2011	2
02N22W26C05S	200	--	324	--	OXNARD BASIN	OXNARD FOREBAY	81	43.6	3,532	254	1979	2	2019	2
02N22W26B03S	575	--	1,475	--	OXNARD BASIN	OXNARD FOREBAY	70	231.7	16,219	2,174	1985	1	2019	2
02N22W27A03S	140	--	230	--	OXNARD BASIN	OXNARD FOREBAY	81	97.8	7,918.7	147.0	1979	2	2019	2
02N22W25A02S	--	124	--	174	OXNARD BASIN	OXNARD PLAIN	80	14	1,133	54	1979	2	2019	2
02N22W28C06S	170	--	430	--	OXNARD BASIN	OXNARD PLAIN	81	191.2	15,490	421.8	1979	2	2019	2
02N22W30C06S	22	--	52	--	OXNARD BASIN	OXNARD PLAIN	61	1	40	9	1989	2	2019	2
02N22W30C05S	22	--	52	--	OXNARD BASIN	OXNARD PLAIN	61	2.3	141	26.5	1989	2	2019	2
02N22W25A03S	112	--	205	--	OXNARD BASIN	OXNARD PLAIN	81	147.0	11,904	333.6	1979	2	2019	2
02N22W26C03S	98	--	220	--	OXNARD BASIN	OXNARD FOREBAY	81	26	2,125	53	1979	2	2019	2
02N21W29C01S	150	--	266	--	OXNARD BASIN	OXNARD PLAIN	48	77	3,717	184	1979	2	2003	1
02N22W29D04S	22	--	52	--	OXNARD BASIN	OXNARD PLAIN	61	1.9	117	30.0	1989	2	2019	2
02N22W28H02S	125	--	280	--	OXNARD BASIN	OXNARD PLAIN	81	13.9	1,129	31.2	1979	2	2019	2
02N22W26H02S	440	--	680	--	OXNARD BASIN	OXNARD PLAIN	81	82.6	6,691	211.4	1979	2	2019	2
02N22W29G01S	190	--	254	--	OXNARD BASIN	OXNARD PLAIN	11	82	905	161	1979	2	1997	2
02N22W26F02S	150	--	324	--	OXNARD BASIN	OXNARD FOREBAY	81	41	3,289	121	1979	2	2019	2
02N22W30F03S	452	--	653	--	OXNARD BASIN	OXNARD PLAIN	67	160	10,731	393	1986	2	2019	2
02N22W26E01S	150	--	292	--	OXNARD BASIN	OXNARD FOREBAY	81	11	919	30	1979	2	2019	2
02N22W26H01S	120	--	266	--	OXNARD BASIN	OXNARD PLAIN	16	108	1,732	340	1979	2	1997	2
02N23W25H01S	130	--	238	--	OXNARD BASIN	OXNARD PLAIN	81	220.1	17,830	478	1979	2	2019	2
02N21W30G01S	103	--	155	--	OXNARD BASIN	OXNARD PLAIN	81	213	17,250	643	1979	2	2019	2
02N22W25E01S	108	--	184	--	OXNARD BASIN	OXNARD PLAIN	32	79.8	2,553	190.1	2004	1	2019	2
02N22W25F01S	130	--	190	--	OXNARD BASIN	OXNARD PLAIN	81	0.4	32	2.0	1979	2	2019	2
02N22W27K01S	130	--	246	--	OXNARD BASIN	OXNARD FOREBAY	81	74.3	6,016	198	1979	2	2019	2
02N22W28L01S	186	--	286	--	OXNARD BASIN	OXNARD PLAIN	27	58	1,579	206	1979	2	1997	2
02N22W27L01S	107	--	242	--	OXNARD BASIN	OXNARD FOREBAY	81	33	2,705	155	1979	2	2019	2
02N22W26M01S	150	--	180	--	OXNARD BASIN	OXNARD FOREBAY	31	22	668	39	1979	2	1997	2
02N21W29L04S	641	--	1,161	--	OXNARD BASIN	OXNARD PLAIN	76	91.6	6,959	276	1982	1	2019	2
02N21W29L01S	85	--	150	--	OXNARD BASIN	OXNARD PLAIN	81	0.6	53	2	1979	2	2019	2
02N21W29G01S	--	--	--	--	OXNARD BASIN	OXNARD PLAIN	58	0.1	5	5	1991	1	2019	2
02N22W27M01S	102	--	288	--	OXNARD BASIN	OXNARD PLAIN	4	29.3	117	86	1979	2	1997	2
02N21W29K02S	597	--	679	--	OXNARD BASIN	OXNARD PLAIN	45	35.9	1,616	191	1979	2	2001	2
02N21W29K01S	100	--	150	--	OXNARD BASIN	OXNARD PLAIN	36	1	23	1	2002	1	2019	2
02N22W30J01S	230	--	280	--	OXNARD BASIN	OXNARD PLAIN	81	2.8	226.4	12.4	1979	2	2019	2
02N23W25M01S	130	--	230	--	OXNARD BASIN	OXNARD PLAIN	81	258.3	20,924	695.3	1979	2	2019	2
02N22W30L02S	35	--	75	--	OXNARD BASIN	OXNARD PLAIN	77	5.3	410	60	1981	2	2019	2
02N22W30K01S	190	--	250	--	OXNARD BASIN	OXNARD PLAIN	77	7.7	589	88	1981	2	2019	2
02N22W29M01S	200	--	280	--	OXNARD BASIN	OXNARD PLAIN	52	154.7	8,047	395	1979	1	2004	2
02N22W27M02S	180	--	212	--	OXNARD BASIN	OXNARD PLAIN	73	2.7	198	6	1979	2	2015	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
02N22W30P02S	202	--	401	--	OXNARD BASIN	OXNARD PLAIN	82	308	25,230	585	1979	1	2019	2
02N22W25M01S	122	--	225	--	OXNARD BASIN	OXNARD PLAIN	24	8.7	209	13	1979	2	1997	2
02N22W25L03S	110	--	172	--	OXNARD BASIN	OXNARD PLAIN	81	2.8	225	30.0	1979	2	2019	2
02N22W25L02S	106	--	172	--	OXNARD BASIN	OXNARD PLAIN	49	52.9	2,591	130	1979	2	2003	2
02N22W25N03S	120	--	202	--	OXNARD BASIN	OXNARD PLAIN	20	5.6	112	17	1979	2	1997	2
02N23W25R02S	162	--	182	--	OXNARD BASIN	OXNARD PLAIN	14	142.1	1,989	286	1979	2	1997	2
02N22W26Q01S	127	--	193	--	OXNARD BASIN	OXNARD PLAIN	45	33.1	1,490	142	1979	2	2001	2
02N22W25Q01S	100	--	180	--	OXNARD BASIN	OXNARD PLAIN	42	30	1,268	76	1979	2	2000	2
02N22W30P03S	370	--	490	--	OXNARD BASIN	OXNARD PLAIN	81	30.6	2,478	97.9	1979	2	2019	2
02N22W30Q01S	390	--	510	--	OXNARD BASIN	OXNARD PLAIN	70	19	1,314	52	1985	1	2019	2
02N22W29R01S	--	--	--	--	OXNARD BASIN	OXNARD PLAIN	9	68	609	140	1980	2	1997	2
02N22W25Q04S	100	--	180	--	OXNARD BASIN	OXNARD PLAIN	16	6	97	17	1979	2	1997	2
02N22W30P01S	100	--	200	--	OXNARD BASIN	OXNARD PLAIN	9	113	1,016	223	1986	2	1997	2
02N22W26R01S	140	--	190	--	OXNARD BASIN	OXNARD PLAIN	15	53.9	808	88	1979	2	1997	2
02N22W25P04S	115	--	210	--	OXNARD BASIN	OXNARD PLAIN	74	144	10,636	400	1983	1	2019	2
02N22W26R02S	145	--	175	--	OXNARD BASIN	OXNARD PLAIN	24	1	20	1	1979	2	1997	2
02N22W25P01S	120	--	434	--	OXNARD BASIN	OXNARD PLAIN	61	114	6,939	418	1979	2	2009	2
02N23W25Q01S	190	--	220	--	OXNARD BASIN	OXNARD PLAIN	80	2	171	12	1979	2	2019	2
02N22W26R05S	140	--	185	--	OXNARD BASIN	OXNARD PLAIN	44	57.3	2,521	197	1979	1	2000	2
02N22W25R02S	104	--	162	--	OXNARD BASIN	OXNARD PLAIN	81	74	6,002	318	1979	2	2019	2
02N22W30Q02S	390	--	510	--	OXNARD BASIN	OXNARD PLAIN	81	36.4	2,946	64.7	1979	2	2019	2
02N22W29Q03S	97	--	238	--	OXNARD BASIN	OXNARD PLAIN	35	55	1,908	376	1984	2	2001	2
02N22W29R02S	202	--	310	--	OXNARD BASIN	OXNARD PLAIN	11	100	1,096	266	1979	2	1997	2
02N21W30P02S	102	--	162	--	OXNARD BASIN	OXNARD PLAIN	41	46	1,903	188	1979	2	1999	2
02N21W30R03S	110	--	146	--	OXNARD BASIN	OXNARD PLAIN	79	30.3	2,394	239	1979	2	2019	2
02N21W30R01S	115	--	146	--	OXNARD BASIN	OXNARD PLAIN	81	18	1,474	178	1979	2	2019	2
02N21W29P03S	102	--	166	--	OXNARD BASIN	OXNARD PLAIN	20	62	1,244	152	1979	2	1997	2
02N21W29N03S	100	--	150	--	OXNARD BASIN	OXNARD PLAIN	81	40.5	3,281	479	1979	2	2019	2
02N22W31B01S	100	--	300	--	OXNARD BASIN	OXNARD PLAIN	82	102	8,388	494	1979	1	2019	2
02N23W36C04S	210	--	260	--	OXNARD BASIN	OXNARD PLAIN	81	2	153	13	1979	2	2019	2
02N22W34B01S	75	--	213	--	OXNARD BASIN	OXNARD FOREBAY	45	29.4	1,324	138.4	1979	2	2001	2
02N22W31A02S	114	--	254	--	OXNARD BASIN	OXNARD PLAIN	49	49	2,423	90	1979	2	2003	2
02N22W31D01S	130	--	430	--	OXNARD BASIN	OXNARD PLAIN	28	154.9	4,337	322.7	1979	2	1997	2
02N23W36A04S	200	--	400	--	OXNARD BASIN	OXNARD PLAIN	42	172	7,210	505	1999	1	2019	2
02N23W36A01S	232	--	366	--	OXNARD BASIN	OXNARD PLAIN	81	107	8,690	390	1979	2	2019	2
02N22W31A03S	200	--	500	--	OXNARD BASIN	OXNARD PLAIN	81	139	11,289	306	1979	1	2019	2
02N22W32C01S	100	--	250	--	OXNARD BASIN	OXNARD PLAIN	82	111	9,087	468	1979	1	2019	2
02N22W34B03S	80	--	200	--	OXNARD BASIN	OXNARD PLAIN	40	10.3	411	23.0	1979	2	1999	2
02N22W35C02S	415	--	540	--	OXNARD BASIN	OXNARD PLAIN	30	192	5,757	486	1979	2	1997	2
02N22W31C02S	186	--	292	--	OXNARD BASIN	OXNARD PLAIN	82	106.3	8,720.4	212.8	1979	1	2019	2
02N22W32A02S	120	--	308	--	OXNARD BASIN	OXNARD PLAIN	20	223.2	4,463.3	526.7	1979	2	1997	2
02N22W34A03S	200	--	218	--	OXNARD BASIN	OXNARD PLAIN	43	101.0	4,345.1	243.1	1979	2	2000	2
02N22W34A02S	62	--	198	--	OXNARD BASIN	OXNARD PLAIN	38	92.6	3,520	155.3	1981	1	1999	2
02N22W35C01S	96	--	192	--	OXNARD BASIN	OXNARD PLAIN	45	1.2	56	1	1979	2	2001	2
02N23W36A02S	240	--	368	--	OXNARD BASIN	OXNARD PLAIN	45	190	8,530	862	1979	2	2001	2
02N22W35B02S	128	--	198	--	OXNARD BASIN	OXNARD PLAIN	58	21.8	1,267	125	1979	2	2008	2
02N22W35A01S	135	--	185	--	OXNARD BASIN	OXNARD PLAIN	23	70.9	1,630	141	1979	2	1997	2
02N21W32E01S	716	--	1,266	--	OXNARD BASIN	OXNARD PLAIN	70	266.3	18,641	925	1985	1	2019	2
02N22W36F02S	170	--	366	--	OXNARD BASIN	OXNARD PLAIN	81	132.4	10,727	351.0	1979	2	2019	2
02N23W36H02S	181	--	381	--	OXNARD BASIN	OXNARD PLAIN	64	307.1	19,657	578	1988	1	2019	2
02N22W34H01S	150	--	242	--	OXNARD BASIN	OXNARD PLAIN	51	51.8	2,642	145.4	1979	2	2004	2
02N22W33L03S	138	--	198	--	OXNARD BASIN	OXNARD PLAIN	58	1	32	2	1979	2	2008	1
02N23W36L01S	110	--	250	--	OXNARD BASIN	OXNARD PLAIN	81	4	293	21	1979	2	2019	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
02N22W35M01S	384	--	534	--	OXNARD BASIN	OXNARD PLAIN	70	71	4,978	208	1980	2	2015	1
02N22W35K02S	460	--	700	--	OXNARD BASIN	OXNARD PLAIN	44	179.5	7,897	391.3	1984	2	2006	2
02N22W35K01S	134	--	293	--	OXNARD BASIN	OXNARD PLAIN	61	149.1	9,094	561	1979	2	2009	2
02N22W33M02S	164	--	218	--	OXNARD BASIN	OXNARD PLAIN	24	6.9	165	27	1979	2	1997	2
02N22W36M03S	112	--	292	--	OXNARD BASIN	OXNARD PLAIN	22	44.3	975	94.1	1979	2	1997	2
02N22W32M01S	--	--	--	--	OXNARD BASIN	OXNARD PLAIN	54	54.4	2934.9	122.1	1979	2	2019	2
02N22W32M03S	218	--	318	--	OXNARD BASIN	OXNARD PLAIN	34	72.1	2451.2	173.4	2003	1	2019	2
02N22W34K02S	171	--	251	--	OXNARD BASIN	OXNARD PLAIN	59	87.9	5186.8	228.7	1979	2	2008	2
02N22W36L01S	128	--	426	--	OXNARD BASIN	OXNARD PLAIN	81	70.3	5692.0	249.9	1979	2	2019	2
02N22W31K01S	125	--	235	--	OXNARD BASIN	OXNARD PLAIN	81	60.0	4856.4	232.1	1979	2	2019	2
02N22W34J01S	80	--	200	--	OXNARD BASIN	OXNARD PLAIN	73	0.2	17.7	1.0	1979	1	2015	1
02N22W31Q01S	120	--	240	--	OXNARD BASIN	OXNARD PLAIN	78	35.3	2756.4	77.0	1981	1	2019	2
02N22W33M03S	168	--	302	--	OXNARD BASIN	OXNARD PLAIN	19	49.9	947.2	198.3	1979	2	1997	2
02N21W32J01S	640	--	1270	--	OXNARD BASIN	PLEASANT VALLEY	70	196.4	13751.4	458.2	1985	1	2019	2
02N21W31L01S	700	--	1200	--	OXNARD BASIN	OXNARD PLAIN	70	36.8	2579.3	381.5	1985	1	2019	2
02N22W32Q03S	180	--	280	--	OXNARD BASIN	OXNARD PLAIN	65	46.2	3004.4	156.0	1987	2	2019	2
02N22W32Q01S	160	--	296	--	OXNARD BASIN	OXNARD PLAIN	17	80.1	1361.4	177.4	1979	2	1997	2
02N21W31R01S	118	--	174	--	OXNARD BASIN	OXNARD PLAIN	81	17.2	1395.4	246.9	1979	2	2019	2
02N22W31R04S	168	--	240	--	OXNARD BASIN	OXNARD PLAIN	59	5.9	346.3	36.8	1990	2	2019	2
02N22W31N01S	168	--	342	--	OXNARD BASIN	OXNARD PLAIN	81	323.7	26216.9	906.2	1979	2	2019	2
02N21W31P03S	713	--	967	--	OXNARD BASIN	OXNARD PLAIN	13	125.7	1633.7	262.0	1979	2	1985	2
02N22W33N04S	181	--	293	--	OXNARD BASIN	OXNARD PLAIN	51	86.2	4394.7	189.4	1979	2	2004	2
02N22W33N05S	175	--	295	--	OXNARD BASIN	OXNARD PLAIN	73	48.9	3567.7	193.3	1982	2	2019	2
02N21W31P06S	743	--	943	--	OXNARD BASIN	OXNARD PLAIN	81	181.8	14727.8	370.0	1979	1	2019	2
01N22W02A02S	--	218	386	--	OXNARD BASIN	OXNARD PLAIN	12	52.5	629.8	95.8	1979	2	1997	2
01N22W01D01S	110	--	220	--	OXNARD BASIN	OXNARD PLAIN	20	288.3	5766.0	505.3	1979	2	1997	2
01N22W05B01S	146	--	207	--	OXNARD BASIN	OXNARD PLAIN	81	140.5	11379.2	299.8	1979	2	2019	2
01N22W04D01S	--	--	--	--	OXNARD BASIN	OXNARD PLAIN	81	3.6	293.9	12.5	1979	2	2019	2
01N22W06A06S	280	--	420	--	OXNARD BASIN	OXNARD PLAIN	74	48.9	3614.9	110.4	1983	1	2019	2
01N22W06A05S	280	--	420	--	OXNARD BASIN	OXNARD PLAIN	74	22.7	1680.4	53.5	1983	1	2019	2
01N21W05A02S	120	--	208	--	OXNARD BASIN	OXNARD PLAIN	68	0.2	15.9	1.0	1979	2	2015	1
01N22W05C02S	164	--	208	--	OXNARD BASIN	OXNARD PLAIN	81	107.5	8705.5	204.1	1979	2	2019	2
01N22W06A04S	160	--	300	--	OXNARD BASIN	OXNARD PLAIN	82	52.6	4312.3	109.5	1979	1	2019	2
01N22W05B04S	200	--	292	--	OXNARD BASIN	OXNARD PLAIN	81	21.7	1754.0	76.6	1979	2	2019	2
01N22W06B01S	154	--	234	--	OXNARD BASIN	OXNARD PLAIN	81	58.1	4706.2	93.5	1979	2	2019	2
01N22W06A02S	170	--	270	--	OXNARD BASIN	OXNARD PLAIN	72	48.4	3484.2	219.6	1979	1	2014	2
01N22W05D01S	166	--	198	--	OXNARD BASIN	OXNARD PLAIN	81	24.3	1972.2	65.6	1979	2	2019	2
01N22W04D08S	105	--	145	--	OXNARD BASIN	OXNARD PLAIN	80	1.4	115.6	5.0	1979	2	2019	2
01N22W04D07S	--	--	--	--	OXNARD BASIN	OXNARD PLAIN	80	1.3	107.6	5.2	1979	2	2019	2
01N22W04D03S	187	--	214	--	OXNARD BASIN	OXNARD PLAIN	15	0.7	11.0	1.0	1979	2	1997	2
01N22W04D09S	--	--	--	--	OXNARD BASIN	OXNARD PLAIN	81	1.2	100.5	2.0	1979	2	2019	2
01N22W04D11S	173	--	203	--	OXNARD BASIN	OXNARD PLAIN	81	0.8	63.9	3.1	1979	2	2019	2
01N22W04D10S	122	--	148	--	OXNARD BASIN	OXNARD PLAIN	80	1.1	84.4	1.5	1979	2	2019	2
01N22W04C01S	128	--	200	--	OXNARD BASIN	OXNARD PLAIN	17	3.8	64.0	6.1	1979	2	1997	2
01N21W04D03S	100	--	175	--	OXNARD BASIN	OXNARD PLAIN	80	0.6	50.0	1.0	1979	1	2019	2
01N22W01A01S	112	--	174	--	OXNARD BASIN	OXNARD PLAIN	60	44.8	2686.7	281.4	1979	1	2008	2
01N21W04D04S	571	--	1321	--	OXNARD BASIN	OXNARD PLAIN	77	289.0	22256.6	965.6	1981	2	2019	2
01N21W06H01S	110	--	200	--	OXNARD BASIN	OXNARD PLAIN	81	14.8	1197.7	129.1	1979	2	2019	2
01N22W03F01S	125	--	235	--	OXNARD BASIN	OXNARD PLAIN	66	23.0	1515.8	252.7	1979	1	2011	2
01N22W03F06S	528	--	1108	--	OXNARD BASIN	OXNARD PLAIN	63	227.6	14340.7	1838.3	1987	2	2019	2
01N21W05F01S	120	--	200	--	OXNARD BASIN	OXNARD PLAIN	79	8.7	683.8	139.9	1979	2	2019	2
01N22W03F05S	526	--	1106	--	OXNARD BASIN	OXNARD PLAIN	67	439.0	29412.9	2265.9	1984	2	2019	2
01N22W03F02S	120	--	220	--	OXNARD BASIN	OXNARD PLAIN	66	25.9	1709.8	285.1	1979	1	2011	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
01N22W03F04S	141	--	232	--	OXNARD BASIN	OXNARD PLAIN	71	18.6	1317.2	272.7	1979	1	2014	1
01N22W03F03S	130	--	230	--	OXNARD BASIN	OXNARD PLAIN	25	5.7	142.8	31.4	1979	2	1991	2
01N22W04F02S	--	--	--	--	OXNARD BASIN	OXNARD PLAIN	69	4.9	335.4	16.9	1979	2	2013	2
01N22W04F04S	507	--	1179	--	OXNARD BASIN	OXNARD PLAIN	23	3.0	70.0	30.9	1979	2	1990	2
01N22W01F01S	110	--	192	--	OXNARD BASIN	OXNARD PLAIN	49	58.1	2846.8	230.4	1979	2	2003	2
01N21W06G01S	980	--	1030	--	OXNARD BASIN	OXNARD PLAIN	68	1.3	87.3	10.2	1984	1	2019	2
01N22W02G01S	130	--	190	--	OXNARD BASIN	OXNARD PLAIN	16	62.1	994.4	154.1	1979	2	1997	2
01N22W05H01S	117	--	223	--	OXNARD BASIN	OXNARD PLAIN	13	0.8	11.0	1.0	1979	2	1997	2
01N21W05G01S	106	--	170	--	OXNARD BASIN	OXNARD PLAIN	81	40.9	3316.8	135.8	1979	2	2019	2
01N21W04M02S	--	--	--	--	OXNARD BASIN	OXNARD PLAIN	35	0.6	20.8	0.8	2002	2	2019	2
01N22W05H02S	110	--	230	--	OXNARD BASIN	OXNARD PLAIN	72	25.1	1807.1	128.2	1979	2	2015	2
01N22W05M01S	189	--	227	--	OXNARD BASIN	OXNARD PLAIN	49	70.8	3470.9	173.8	1979	2	2003	2
01N22W04K01S	105	--	220	--	OXNARD BASIN	OXNARD PLAIN	20	32.7	653.9	65.2	1979	2	1997	2
01N21W05K01S	102	--	178	--	OXNARD BASIN	OXNARD PLAIN	57	4.2	237.0	68.8	1991	2	2019	2
01N22W06J04S	240	--	380	--	OXNARD BASIN	OXNARD PLAIN	81	138.3	11199.6	484.0	1979	2	2019	2
01N22W02K01S	150	--	180	--	OXNARD BASIN	OXNARD PLAIN	80	111.1	8886.6	271.1	1980	1	2019	2
01N22W02K03S	140	--	400	--	OXNARD BASIN	OXNARD PLAIN	49	47.5	2325.8	230.9	1979	2	2003	2
01N22W01M02S	272	--	397	--	OXNARD BASIN	OXNARD PLAIN	81	31.3	2531.9	168.0	1979	2	2019	2
01N22W01M01S	105	--	180	--	OXNARD BASIN	OXNARD PLAIN	81	137.8	11160.6	386.5	1979	2	2019	2
01N22W04M01S	184	--	219	--	OXNARD BASIN	OXNARD PLAIN	32	43.3	1384.6	119.6	1979	2	1997	2
01N21W06L05S	624	--	964	--	OXNARD BASIN	OXNARD PLAIN	81	101.4	8210.4	312.0	1979	2	2019	2
01N21W04M01S	522	--	1290	--	OXNARD BASIN	OXNARD PLAIN	81	25.6	2071.2	343.6	1979	1	2019	2
01N22W05K01S	77	--	212	--	OXNARD BASIN	OXNARD PLAIN	20	57.4	1148.4	112.3	1979	2	1997	2
01N21W06L02S	150	--	173	--	OXNARD BASIN	OXNARD PLAIN	10	0.1	1.0	1.0	1979	2	1984	2
01N21W06L04S	110	--	182	--	OXNARD BASIN	OXNARD PLAIN	81	26.0	2109.1	330.0	1979	2	2019	2
01N21W06J02S	106	--	192	--	OXNARD BASIN	OXNARD PLAIN	81	90.2	7305.4	545.3	1979	2	2019	2
01N21W06J05S	750	--	1290	--	OXNARD BASIN	OXNARD PLAIN	70	167.7	11737.5	625.0	1985	1	2019	2
01N22W03J02S	--	126	--	237	OXNARD BASIN	OXNARD PLAIN	19	121.8	2313.4	585.5	1979	2	1997	2
01N22W02K04S	158	--	178	--	OXNARD BASIN	OXNARD PLAIN	71	0.7	53.2	2.0	1984	2	2019	2
01N22W01M03S	730	--	1480	--	OXNARD BASIN	OXNARD PLAIN	70	410.2	28715.0	1449.4	1985	1	2019	2
01N22W06R02S	240	--	380	--	OXNARD BASIN	OXNARD PLAIN	81	159.2	12892.5	484.0	1979	2	2019	2
01N22W03R01S	489	--	944	--	OXNARD BASIN	OXNARD PLAIN	75	265.3	19893.8	929.1	1982	2	2019	2
01N22W02N03S	145	--	218	--	OXNARD BASIN	OXNARD PLAIN	43	1.8	78.6	4.4	1998	1	2019	2
01N21W06R04S	130	--	423	--	OXNARD BASIN	OXNARD PLAIN	80	103.1	8249.4	316.3	1979	2	2019	2
01N21W06R03S	138	--	158	--	OXNARD BASIN	OXNARD PLAIN	81	0.5	37.9	1.0	1979	2	2019	2
01N22W10A03S	134	--	242	--	OXNARD BASIN	OXNARD PLAIN	64	2.2	140.4	11.7	1987	1	2019	2
01N22W11B01S	160	--	205	--	OXNARD BASIN	OXNARD PLAIN	72	0.8	55.3	2.4	1984	1	2019	2
01N22W10B02S	635	--	1430	--	OXNARD BASIN	OXNARD PLAIN	66	1.2	76.4	71.1	1979	1	2011	2
01N22W08B07S	146	--	206	--	OXNARD BASIN	OXNARD PLAIN	12	8.3	99.6	14.9	1979	2	1997	2
01N22W10B03S	182	--	562	--	OXNARD BASIN	OXNARD PLAIN	66	8.2	538.9	332.5	1979	1	2011	2
01N21W09C03S	700	--	1120	--	OXNARD BASIN	PLEASANT VALLEY	24	130.8	3139.7	446.0	1979	2	1997	2
01N22W07A03S	240	--	370	--	OXNARD BASIN	OXNARD PLAIN	57	118.8	6773.3	391.4	1979	2	2008	1
01N22W11D01S	148	--	230	--	OXNARD BASIN	OXNARD PLAIN	17	84.5	1436.8	221.4	1979	2	1997	2
01N22W11B03S	129	--	204	--	OXNARD BASIN	OXNARD PLAIN	81	15.3	1236.0	87.3	1979	2	2019	2
01N22W11A01S	140	--	197	--	OXNARD BASIN	OXNARD PLAIN	81	55.8	4521.9	372.5	1979	2	2019	2
01N21W08D02S	268	--	716	--	OXNARD BASIN	OXNARD PLAIN	70	1.1	75.1	6.0	1984	2	2019	2
01N21W07A01S	125	--	150	--	OXNARD BASIN	OXNARD PLAIN	82	0.5	38.8	1.4	1979	1	2019	2
01N21W08A02S	670	--	1190	--	OXNARD BASIN	OXNARD PLAIN	55	88.5	4865.6	303.2	1979	2	2006	2
01N21W08A01S	700	--	1300	--	OXNARD BASIN	OXNARD PLAIN	81	0.8	66.5	3.5	1979	2	2019	2
01N22W11C02S	164	--	204	--	OXNARD BASIN	OXNARD PLAIN	77	39.6	3051.9	507.5	1979	2	2019	2
01N21W09D02S	131	--	251	--	OXNARD BASIN	OXNARD PLAIN	42	6.2	261.7	10.4	1979	2	2000	1
01N22W12C02S	318	--	450	--	OXNARD BASIN	OXNARD PLAIN	52	50.9	2644.2	124.7	1979	2	2019	2
01N22W12F01S	310	--	460	--	OXNARD BASIN	OXNARD PLAIN	82	39.0	3201.6	282.4	1979	1	2019	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
01N22W12C03S	318	--	450	--	OXNARD BASIN	OXNARD PLAIN	66	141.8	9359.4	323.9	1979	2	2012	1
01N22W12H02S	596	--	988	--	OXNARD BASIN	OXNARD PLAIN	60	84.4	5065.4	291.7	1979	2	2009	1
01N21W07H01S	125	--	176	--	OXNARD BASIN	OXNARD PLAIN	81	37.2	3009.7	323.0	1979	2	2019	2
01N22W10H01S	131	--	253	--	OXNARD BASIN	OXNARD PLAIN	15	86.1	1291.0	191.8	1979	2	1997	2
01N22W11E01S	188	--	228	--	OXNARD BASIN	OXNARD PLAIN	15	59.0	885.2	120.0	1979	2	1997	2
01N21W07H04S	122	--	170	--	OXNARD BASIN	OXNARD PLAIN	81	26.0	2109.9	65.0	1979	2	2019	2
01N22W07H02S	260	--	380	--	OXNARD BASIN	OXNARD PLAIN	57	65.9	3754.6	268.3	1979	2	2008	1
01N21W08F02S	663	--	1163	--	OXNARD BASIN	OXNARD PLAIN	48	174.1	8355.8	587.6	1979	2	2003	1
01N21W09M03S	160	--	300	--	OXNARD BASIN	OXNARD PLAIN	82	1.4	118.7	3.0	1979	1	2019	2
01N21W09M04S	766	--	1270	--	OXNARD BASIN	OXNARD PLAIN	54	74.8	4038.5	283.4	1979	2	2006	1
01N22W12M01S	120	--	249	--	OXNARD BASIN	OXNARD PLAIN	82	69.5	5697.3	352.5	1979	1	2019	2
01N22W12J01S	152	--	183	--	OXNARD BASIN	OXNARD PLAIN	50	84.2	4208.3	568.1	1979	2	2004	2
01N21W07J01S	136	--	198	--	OXNARD BASIN	OXNARD PLAIN	15	32.6	489.0	84.0	1979	2	1997	2
01N22W12J03S	120	--	406	--	OXNARD BASIN	OXNARD PLAIN	54	69.6	3760.9	395.1	1979	2	2006	1
01N21W07J02S	590	--	1280	--	OXNARD BASIN	OXNARD PLAIN	70	190.5	13333.9	820.5	1985	1	2019	2
01N22W12P01S	169	--	210	--	OXNARD BASIN	OXNARD PLAIN	81	25.4	2056.7	238.5	1979	2	2019	2
01N22W10N03S	500	--	600	--	OXNARD BASIN	OXNARD PLAIN	81	4.7	383.5	8.9	1979	2	2019	2
01N22W12Q01S	145	--	385	--	OXNARD BASIN	OXNARD PLAIN	55	87.8	4827.9	236.8	1979	2	2006	2
01N22W12N03S	602	--	1122	--	OXNARD BASIN	OXNARD PLAIN	65	117.3	7625.7	304.8	1987	2	2019	2
01N21W07R02S	120	--	202	--	OXNARD BASIN	OXNARD PLAIN	81	1.2	99.8	9.0	1979	2	2019	2
01N22W08N01S	124	--	220	--	OXNARD BASIN	OXNARD PLAIN	45	19.6	880.6	102.5	1979	2	2001	2
01N22W12P02S	146	--	193	--	OXNARD BASIN	OXNARD PLAIN	81	31.8	2576.0	137.8	1979	2	2019	2
01N21W07P01S	80	--	154	--	OXNARD BASIN	OXNARD PLAIN	81	4.2	342.9	7.2	1979	2	2019	2
01N21W08R01S	603	--	1363	--	OXNARD BASIN	OXNARD PLAIN	77	315.1	24261.3	1038.4	1981	2	2019	2
01N21W18A04S	130	--	400	--	OXNARD BASIN	OXNARD PLAIN	81	58.0	4701.9	219.8	1979	2	2019	2
01N22W16D04S	520	--	940	--	OXNARD BASIN	OXNARD PLAIN	81	0.3	23.3	5.3	1979	2	2019	2
01N21W18A03S	114	--	186	--	OXNARD BASIN	OXNARD PLAIN	81	17.3	1402.6	134.0	1979	2	2019	2
01N22W13D02S	175	--	210	--	OXNARD BASIN	OXNARD PLAIN	16	85.3	1364.9	198.8	1979	2	1987	1
01N21W16B03S	640	--	900	--	OXNARD BASIN	PLEASANT VALLEY	81	60.6	4906.5	341.4	1979	2	2019	2
01N21W16B02S	257	--	377	--	OXNARD BASIN	PLEASANT VALLEY	54	1.6	86.2	2.2	1979	1	2006	1
01N21W16A04S	434	--	916	--	OXNARD BASIN	PLEASANT VALLEY	82	91.5	7503.8	433.2	1979	1	2019	2
01N22W13D03S	600	--	1200	--	OXNARD BASIN	OXNARD PLAIN	70	285.4	19975.8	1127.5	1985	1	2019	2
01N21W17C01S	128	--	470	--	OXNARD BASIN	OXNARD PLAIN	41	1.3	53.3	3.0	1999	2	2019	2
01N21W17B01S	175	--	450	--	OXNARD BASIN	OXNARD PLAIN	81	17.3	1404.8	124.0	1979	2	2019	2
01N21W17D02S	114	--	186	--	OXNARD BASIN	OXNARD PLAIN	81	15.4	1249.2	72.5	1979	2	2019	2
01N22W14D03S	150	--	220	--	OXNARD BASIN	OXNARD PLAIN	43	15.1	649.5	55.0	1979	2	2000	2
01N22W17C03S	520	--	1100	--	OXNARD BASIN	OXNARD PLAIN	73	199.4	14559.4	545.5	1983	2	2019	2
01N21W18D01S	380	--	660	--	OXNARD BASIN	OXNARD PLAIN	64	46.5	2978.7	99.8	1988	1	2019	2
01N22W15C01S	131	--	250	--	OXNARD BASIN	OXNARD PLAIN	68	0.2	12.3	8.0	1986	1	2019	2
01N22W14C02S	164	--	208	--	OXNARD BASIN	OXNARD PLAIN	18	19.7	354.0	78.0	1981	1	1997	2
01N21W17C02S	128	--	200	--	OXNARD BASIN	OXNARD PLAIN	81	8.7	704.8	42.8	1979	2	2019	2
01N22W13E04S	297	--	377	--	OXNARD BASIN	OXNARD PLAIN	81	1.1	90.6	8.2	1979	2	2019	2
01N21W18G02S	50	--	274	--	OXNARD BASIN	OXNARD PLAIN	81	85.9	6958.2	186.5	1979	2	2019	2
01N22W13H01S	124	--	199	--	OXNARD BASIN	OXNARD PLAIN	81	19.1	1544.0	86.9	1979	2	2019	2
01N22W13E03S	156	--	404	--	OXNARD BASIN	OXNARD PLAIN	81	43.3	3508.5	540.1	1979	2	2019	2
01N22W13H03S	155	--	335	--	OXNARD BASIN	OXNARD PLAIN	28	53.8	1505.4	153.8	1979	2	2019	2
01N22W13F01S	148	--	209	--	OXNARD BASIN	OXNARD PLAIN	81	64.9	5258.1	108.7	1979	2	2019	2
01N21W16E03S	314	--	602	--	OXNARD BASIN	OXNARD PLAIN	74	65.0	4807.6	225.5	1979	1	2015	2
01N21W17G02S	176	--	488	--	OXNARD BASIN	OXNARD PLAIN	81	34.2	2770.7	196.0	1979	2	2019	2
01N21W18J01S	132	--	180	--	OXNARD BASIN	OXNARD PLAIN	47	62.0	2912.8	404.2	1979	2	2019	2
01N21W17G03S	554	--	1104	--	OXNARD BASIN	OXNARD PLAIN	72	212.9	15329.7	583.7	1984	1	2019	2
01N21W15L02S	354	--	904	--	OXNARD BASIN	PLEASANT VALLEY	82	110.4	9048.8	573.9	1979	1	2019	2
01N21W18L04S	136	--	200	--	OXNARD BASIN	OXNARD PLAIN	53	47.7	2530.2	173.4	1979	2	2005	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
01N21W17E01S	119	--	335	--	OXNARD BASIN	OXNARD PLAIN	71	8.4	592.9	109.0	1979	2	2014	2
01N21W16M01S	240	--	1194	--	OXNARD BASIN	OXNARD PLAIN	81	80.3	6507.1	674.7	1979	2	2019	2
01N21W18L05S	383	--	923	--	OXNARD BASIN	OXNARD PLAIN	78	58.3	4545.4	170.0	1981	1	2019	2
01N22W13K01S	187	--	347	--	OXNARD BASIN	OXNARD PLAIN	81	2.5	204.6	5.0	1979	2	2019	2
01N22W13L01S	162	--	205	--	OXNARD BASIN	OXNARD PLAIN	17	34.6	588.6	60.0	1979	2	1997	2
01N22W13K02S	313	--	433	--	OXNARD BASIN	OXNARD PLAIN	81	23.0	1865.6	106.0	1979	2	2019	2
01N22W18L02S	496	--	781	--	OXNARD BASIN	OXNARD PLAIN	81	78.3	6346.2	307.7	1979	2	2019	2
01N21W18L03S	130	--	170	--	OXNARD BASIN	OXNARD PLAIN	81	3.8	310.9	7.8	1979	2	2019	2
01N22W13J04S	120	--	196	--	OXNARD BASIN	OXNARD PLAIN	81	44.6	3615.2	253.7	1979	2	2019	2
01N22W13J01S	91	--	200	--	OXNARD BASIN	OXNARD PLAIN	15	24.5	367.3	119.4	1979	2	1997	2
01N22W13K04S	310	--	430	--	OXNARD BASIN	OXNARD PLAIN	82	19.5	1600.2	91.2	1979	1	2019	2
01N22W13N02S	160	--	202	--	OXNARD BASIN	OXNARD PLAIN	70	15.3	1068.4	25.6	1985	1	2019	2
01N21W15P02S	520	--	1015	--	OXNARD BASIN	PLEASANT VALLEY	82	137.0	11230.4	398.4	1979	1	2019	2
01N21W18Q02S	150	--	190	--	OXNARD BASIN	OXNARD PLAIN	81	1.8	148.7	21.4	1979	2	2019	2
01N22W14R03S	155	--	220	--	OXNARD BASIN	OXNARD PLAIN	71	4.2	299.3	11.6	1979	2	2014	2
01N22W14R04S	185	--	235	--	OXNARD BASIN	OXNARD PLAIN	71	3.8	271.1	15.8	1979	2	2014	2
01N22W13Q02S	280	--	402	--	OXNARD BASIN	OXNARD PLAIN	80	8.1	650.8	18.6	1979	2	2019	2
01N22W13Q01S	100	--	215	--	OXNARD BASIN	OXNARD PLAIN	18	9.8	175.6	40.1	1979	2	1997	2
01N21W16P04S	600	--	1000	--	OXNARD BASIN	PLEASANT VALLEY	65	147.9	9615.2	538.2	1987	2	2019	2
01N21W16P03S	750	--	1050	--	OXNARD BASIN	PLEASANT VALLEY	82	53.3	4372.2	525.3	1979	1	2019	2
01N22W24C01S	--	--	--	--	OXNARD BASIN	OXNARD PLAIN	55	1.1	60.7	3.6	1979	2	2006	2
01N22W24C03S	330	--	450	--	OXNARD BASIN	OXNARD PLAIN	81	129.8	10509.8	375.8	1979	2	2019	2
01N22W24B03S	154	--	204	--	OXNARD BASIN	OXNARD PLAIN	14	2.3	32.2	3.8	1998	2	2019	2
01N22W24A01S	170	--	197	--	OXNARD BASIN	OXNARD PLAIN	81	6.9	562.7	57.2	1979	2	2019	2
01N21W19B01S	128	--	466	--	OXNARD BASIN	OXNARD PLAIN	81	96.4	7810.0	304.5	1979	2	2019	2
01N21W21D02S	150	--	400	--	OXNARD BASIN	OXNARD PLAIN	61	13.4	816.4	711.0	1979	1	2009	2
01N21W21D03S	312	--	400	--	OXNARD BASIN	OXNARD PLAIN	81	6.1	494.2	14.0	1979	2	2019	2
01N22W23A02S	156	--	201	--	OXNARD BASIN	OXNARD PLAIN	72	0.3	20.6	10.3	1979	2	2015	1
01N22W24D03S	315	--	450	--	OXNARD BASIN	OXNARD PLAIN	76	51.2	3894.0	144.0	1979	2	2017	1
01N22W24C02S	160	--	320	--	OXNARD BASIN	OXNARD PLAIN	25	0.3	6.9	3.3	2007	2	2019	2
01N21W22B02S	332	--	860	--	OXNARD BASIN	PLEASANT VALLEY	81	22.5	1825.7	235.9	1979	2	2019	2
01N22W21B03S	535	--	950	--	OXNARD BASIN	OXNARD PLAIN	63	0.8	50.2	46.6	1980	1	2019	2
01N21W19B03S	160	--	240	--	OXNARD BASIN	OXNARD PLAIN	76	2.2	168.7	5.3	1982	1	2019	2
01N21W20C05S	235	--	255	--	OXNARD BASIN	OXNARD PLAIN	81	81.0	6560.6	782.3	1979	2	2019	2
01N21W19C02S	440	--	800	--	OXNARD BASIN	OXNARD PLAIN	78	27.4	2139.4	153.8	1981	1	2019	2
01N21W19C01S	200	--	218	--	OXNARD BASIN	OXNARD PLAIN	38	7.8	298.0	83.4	1979	2	2015	2
01N22W24B02S	126	--	358	--	OXNARD BASIN	OXNARD PLAIN	5	97.5	487.4	125.8	1979	2	1997	2
01N22W24A03S	410	--	550	--	OXNARD BASIN	OXNARD PLAIN	64	24.9	1594.6	83.0	1987	1	2019	2
01N21W20D02S	112	--	435	--	OXNARD BASIN	OXNARD PLAIN	71	51.4	3646.2	234.0	1979	2	2014	2
01N22W19A01S	610	--	738	--	OXNARD BASIN	OXNARD PLAIN	81	79.0	6397.7	381.6	1979	2	2019	2
01N22W24B04S	444	--	1022	--	OXNARD BASIN	OXNARD PLAIN	77	91.1	7011.6	273.1	1981	2	2019	2
01N21W22C01S	443	--	1003	--	OXNARD BASIN	PLEASANT VALLEY	77	383.5	29532.8	1198.4	1981	2	2019	2
01N21W22A01S	115	--	391	--	OXNARD BASIN	PLEASANT VALLEY	81	115.7	9373.3	435.5	1979	2	2019	2
01N22W21B06S	720	--	1180	--	OXNARD BASIN	OXNARD PLAIN	81	1.7	136.8	14.8	1979	2	2019	2
01N22W23A05S	333	--	483	--	OXNARD BASIN	OXNARD PLAIN	81	74.5	6035.3	132.5	1979	2	2019	2
01N22W20E02S	940	--	974	--	OXNARD BASIN	OXNARD PLAIN	49	79.3	3886.4	184.2	1979	2	2003	2
01N21W23E02S	86	--	348	--	OXNARD BASIN	PLEASANT VALLEY	45	0.6	25.1	1.0	1979	2	2001	2
01N21W23G02S	220	--	625	--	OXNARD BASIN	PLEASANT VALLEY	75	0.8	62.1	37.8	1979	2	2019	2
01N21W23G01S	230	--	650	--	OXNARD BASIN	PLEASANT VALLEY	12	15.8	189.8	109.4	1979	2	1997	2
01N21W21H01S	138	--	622	--	OXNARD BASIN	PLEASANT VALLEY	82	2.6	217.0	53.8	1979	1	2019	2
01N22W24H01S	136	--	188	--	OXNARD BASIN	OXNARD PLAIN	81	1.7	140.7	8.2	1979	2	2019	2
01N21W21H02S	503	--	863	--	OXNARD BASIN	PLEASANT VALLEY	77	361.5	27834.8	1106.4	1981	2	2019	2
01N22W23J01S	--	--	--	--	OXNARD BASIN	OXNARD PLAIN	8	1.2	9.5	8.4	1979	2	1997	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
01N21W19L08S	400	--	540	--	OXNARD BASIN	OXNARD PLAIN	81	1.5	117.6	3.2	1979	2	2019	2
01N21W20K02S	600	--	840	--	OXNARD BASIN	OXNARD PLAIN	75	63.3	4744.5	147.1	1982	2	2019	2
01N21W19L07S	212	--	502	--	OXNARD BASIN	OXNARD PLAIN	68	33.7	2290.4	253.6	1979	2	2015	1
01N21W19K10S	140	--	228	--	OXNARD BASIN	OXNARD PLAIN	81	0.7	56.9	1.5	1979	2	2019	2
01N21W22L01S	505	--	996	--	OXNARD BASIN	PLEASANT VALLEY	19	20.4	388.0	103.4	1979	2	1997	2
01N22W24M03S	330	--	470	--	OXNARD BASIN	OXNARD PLAIN	82	164.6	13493.7	455.7	1979	1	2019	2
01N21W19K09S	120	--	172	--	OXNARD BASIN	OXNARD PLAIN	81	2.2	175.3	7.3	1979	2	2019	2
01N21W19K03S	141	--	180	--	OXNARD BASIN	OXNARD PLAIN	77	1.5	116.7	8.8	1979	2	2019	2
01N21W19K08S	174	--	200	--	OXNARD BASIN	OXNARD PLAIN	77	4.9	374.2	16.8	1979	2	2019	2
01N21W20L02S	123	--	214	--	OXNARD BASIN	OXNARD PLAIN	81	11.1	896.9	82.6	1979	2	2019	2
01N21W19J04S	115	--	275	--	OXNARD BASIN	OXNARD PLAIN	18	0.9	15.5	1.5	1979	2	1997	2
01N21W21K03S	265	--	624	--	OXNARD BASIN	OXNARD PLAIN	81	102.4	8295.2	324.9	1979	2	2019	2
01N21W21K01S	146	--	620	--	OXNARD BASIN	OXNARD PLAIN	81	1.3	106.8	2.0	1979	2	2019	2
01N21W21P01S	355	--	610	--	OXNARD BASIN	OXNARD PLAIN	45	83.0	3737.1	165.0	1979	2	2001	2
01N21W22P01S	400	--	872	--	OXNARD BASIN	PLEASANT VALLEY	60	116.2	6971.7	440.8	1979	2	2009	1
01N21W20P03S	--	--	--	416	OXNARD BASIN	OXNARD PLAIN	81	48.1	3895.5	358.5	1979	2	2019	2
01N21W20R01S	195	--	415	--	OXNARD BASIN	OXNARD PLAIN	42	43.6	1830.5	276.0	1979	2	2002	2
01N21W20N07S	120	--	190	--	OXNARD BASIN	OXNARD PLAIN	76	0.5	36.8	1.7	1981	2	2019	2
01N22W23N02S	120	--	240	--	OXNARD BASIN	OXNARD PLAIN	7	6.9	48.0	18.0	1979	2	1997	2
01N22W24P03S	458	--	618	--	OXNARD BASIN	OXNARD PLAIN	81	93.8	7596.1	340.7	1979	2	2019	2
01N21W20P02S	150	--	400	--	OXNARD BASIN	OXNARD PLAIN	12	41.3	496.1	98.9	2014	1	2019	2
01N21W29C02S	229	--	301	--	OXNARD BASIN	OXNARD PLAIN	27	5.0	135.0	22.4	1979	2	2019	1
01N21W28D02S	--	--	--	--	OXNARD BASIN	OXNARD PLAIN	75	0.2	15.2	1.0	1979	2	2019	2
01N22W25A03S	413	--	753	--	OXNARD BASIN	OXNARD PLAIN	76	114.7	8717.9	294.9	1982	1	2019	2
01N22W25A02S	196	--	493	--	OXNARD BASIN	OXNARD PLAIN	6	91.3	547.5	114.4	1979	2	1997	2
01N21W29B03S	190	--	415	--	OXNARD BASIN	OXNARD PLAIN	81	70.6	5717.2	207.5	1979	2	2019	2
01N21W30A02S	370	--	574	--	OXNARD BASIN	OXNARD PLAIN	81	124.8	10105.8	304.2	1979	2	2019	2
01N21W29B06S	480	--	740	--	OXNARD BASIN	OXNARD PLAIN	82	147.6	12099.3	439.5	1979	1	2019	2
01N21W30C03S	260	--	600	--	OXNARD BASIN	OXNARD PLAIN	81	53.3	4314.2	351.3	1979	2	2019	2
01N21W28D01S	463	--	923	--	OXNARD BASIN	OXNARD PLAIN	77	464.5	35769.3	1239.2	1981	2	2019	2
01N21W29D03S	210	--	552	--	OXNARD BASIN	OXNARD PLAIN	27	96.6	2607.6	210.0	1979	2	2019	2
01N21W28C01S	125	--	750	--	OXNARD BASIN	OXNARD PLAIN	55	53.3	2934.1	473.1	1979	2	2006	2
01N21W29C01S	128	--	343	--	OXNARD BASIN	OXNARD PLAIN	21	4.3	91.0	6.9	1979	2	1997	2
01N21W29C03S	131	--	242	--	OXNARD BASIN	OXNARD PLAIN	21	0.2	5.0	1.9	1979	2	1997	2
01N22W26H02S	471	--	591	--	OXNARD BASIN	OXNARD PLAIN	81	72.2	5848.7	139.0	1979	2	2019	2
01N21W28G03S	464	--	680	--	OXNARD BASIN	OXNARD PLAIN	81	54.4	4407.1	315.5	1979	2	2019	2
01N21W27E01S	250	--	752	--	OXNARD BASIN	PLEASANT VALLEY	81	90.5	7328.2	459.2	1979	2	2019	2
01N21W28G04S	450	--	810	--	OXNARD BASIN	OXNARD PLAIN	65	121.5	7894.6	531.2	1987	2	2019	2
01N21W28G01S	115	--	371	--	OXNARD BASIN	OXNARD PLAIN	81	48.6	3934.3	224.2	1979	1	2019	2
01N21W27F02S	270	--	736	--	OXNARD BASIN	PLEASANT VALLEY	54	54.4	2935.6	487.6	1979	2	2006	1
01N21W30F02S	170	--	478	--	OXNARD BASIN	OXNARD PLAIN	81	62.1	5026.6	115.3	1979	2	2019	2
01N21W28F02S	162	--	334	--	OXNARD BASIN	OXNARD PLAIN	21	0.2	4.8	1.6	1979	2	1997	2
01N21W29G01S	93	--	280	--	OXNARD BASIN	OXNARD PLAIN	78	0.8	60.4	2.0	1979	2	2019	2
01N21W26G01S	--	--	--	--	OXNARD BASIN	PLEASANT VALLEY	81	44.5	3601.3	217.2	1979	2	2019	2
01N21W28H02S	420	--	820	--	OXNARD BASIN	OXNARD PLAIN	66	138.5	9140.9	681.8	1987	1	2019	2
01N22W26K04S	560	--	650	--	OXNARD BASIN	OXNARD PLAIN	81	104.9	8495.0	344.7	1979	2	2019	2
01N21W28E01S	309	--	600	--	OXNARD BASIN	OXNARD PLAIN	20	0.1	1.4	1.4	1979	2	1997	2
01N21W25M01S	--	--	--	--	OXNARD BASIN	OUTSIDE	45	3.9	177.2	42.4	1979	2	2001	2
01N22W27H02S	470	--	630	--	OXNARD BASIN	OXNARD PLAIN	71	101.8	7229.6	235.8	1984	2	2019	2
01N22W26M03S	432	--	480	--	OXNARD BASIN	OXNARD PLAIN	81	188.7	15287.4	390.9	1979	2	2019	2
01N22W26K03S	524	--	620	--	OXNARD BASIN	OXNARD PLAIN	81	227.7	18446.6	452.9	1979	2	2019	2
01N22W25K01S	186	--	270	--	OXNARD BASIN	OXNARD PLAIN	32	0.7	23.0	1.0	2004	1	2019	2
01N22W25K02S	446	--	606	--	OXNARD BASIN	OXNARD PLAIN	81	201.9	16351.9	393.4	1979	2	2019	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
01N22W25J02S	380	--	540	--	OXNARD BASIN	OXNARD PLAIN	70	189.5	13261.7	296.1	1985	1	2019	2
01N21W30K01S	160	--	459	--	OXNARD BASIN	OXNARD PLAIN	81	142.3	11525.9	330.2	1979	2	2019	2
01N22W25L02S	--	--	--	--	OXNARD BASIN	OXNARD PLAIN	49	0.9	43.6	1.0	1979	2	2003	2
01N21W29K02S	160	--	230	--	OXNARD BASIN	OXNARD PLAIN	81	1.1	91.9	2.2	1979	2	2019	2
01N21W28M01S	400	--	810	--	OXNARD BASIN	OXNARD PLAIN	81	198.5	16079.2	476.5	1979	2	2019	2
01N22W26Q01S	310	--	476	--	OXNARD BASIN	OXNARD PLAIN	81	98.7	7994.3	409.8	1979	2	2019	2
01N22W26P02S	523	--	652	--	OXNARD BASIN	OXNARD PLAIN	81	218.2	17676.8	434.3	1979	2	2019	2
01N22W35C01S	180	--	230	--	OXNARD BASIN	OXNARD PLAIN	66	0.2	11.0	1.0	1984	1	2019	2
01N22W36B02S	593	--	680	--	OXNARD BASIN	OXNARD PLAIN	81	189.1	15320.5	454.3	1979	2	2019	2
01N22W36B01S	600	--	700	--	OXNARD BASIN	OXNARD PLAIN	81	105.2	8517.2	462.0	1979	2	2019	2
01N21W32C01S	469	--	721	--	OXNARD BASIN	OXNARD PLAIN	69	37.7	2603.9	171.7	1983	2	2019	2
01N21W32A01S	650	--	750	--	OXNARD BASIN	OXNARD PLAIN	52	2.0	104.8	30.7	1994	1	2019	2
01N21W31A01S	190	--	230	--	OXNARD BASIN	OXNARD PLAIN	81	117.8	9542.6	1100.0	1979	2	2019	2
01N22W36H01S	437	--	572	--	OXNARD BASIN	OXNARD PLAIN	59	197.9	11678.4	638.6	1990	2	2019	2
01N22W35G01S	192	--	220	--	OXNARD BASIN	OXNARD PLAIN	11	10.6	117.0	20.2	1979	2	1997	2
01N22W36J03S	421	--	521	--	OXNARD BASIN	OXNARD PLAIN	81	158.3	12824.7	612.3	1979	2	2019	2
01N22W36L01S	126	--	208	--	OXNARD BASIN	OXNARD PLAIN	40	31.2	1248.6	196.8	1979	2	1999	2
01N21W31L01S	350	--	972	--	OXNARD BASIN	OXNARD PLAIN	52	0.1	3.0	3.0	1994	1	2019	2
01N22W36K04S	407	--	719	--	OXNARD BASIN	OXNARD PLAIN	72	226.2	16288.8	952.2	1980	1	2015	2
01N22W36K03S	155	--	210	--	OXNARD BASIN	OXNARD PLAIN	39	55.5	2163.5	354.2	1991	2	2010	2
02N21W30A01S	600	--	1240	--	OXNARD BASIN	OXNARD PLAIN	81	40.3	3263.8	196.8	1979	2	2019	2
02N22W14Q03S	200	--	400	--	OXNARD BASIN	OXNARD FOREBAY	82	180.0	14762.5	391.7	1979	1	2019	2
02N22W15B01S	352	--	442	--	OXNARD BASIN	OXNARD FOREBAY	26	99.7	2591.2	179.3	2006	1	2019	2
01N22W12R01S	430	--	1220	--	OXNARD BASIN	OXNARD PLAIN	59	165.2	9745.6	425.7	1990	2	2019	2
01N22W03F07S	120	--	220	--	OXNARD BASIN	OXNARD PLAIN	58	521.8	30264.1	2408.2	1991	1	2019	2
01N22W03F08S	120	--	220	--	OXNARD BASIN	OXNARD PLAIN	57	379.2	21615.8	2182.2	1991	2	2019	2
02N22W25J01S	400	--	820	--	OXNARD BASIN	OXNARD PLAIN	52	67.6	3516.2	108.9	1993	2	2019	2
02N22W14J03S	600	--	760	--	OXNARD BASIN	OXNARD FOREBAY	26	3.9	100.3	22.4	1991	1	2003	2
02N22W13L06S	120	--	520	--	OXNARD BASIN	OXNARD FOREBAY	57	13.1	746.5	23.8	1991	2	2019	2
02N22W12N08S	160	--	560	--	OXNARD BASIN	OXNARD FOREBAY	58	10.9	632.6	27.2	1991	1	2019	2
02N22W12R03S	320	--	680	--	OXNARD BASIN	OXNARD FOREBAY	79	18.1	1433.3	66.1	1979	2	2019	2
02N22W12B07S	130	--	350	--	OXNARD BASIN	OXNARD FOREBAY	35	14.1	495.0	16.8	1986	2	2003	2
01N22W05K03S	100	--	215	--	OXNARD BASIN	OXNARD PLAIN	26	55.8	1451.5	237.6	1991	1	2003	2
01N22W11A03S	150	--	197	--	OXNARD BASIN	OXNARD PLAIN	57	0.6	34.7	1.0	1991	2	2019	2
02N21W07F01S	80	--	400	--	OXNARD BASIN	OXNARD FOREBAY	58	90.3	5234.9	220.0	1991	1	2019	2
02N21W07N02S	565	--	965	--	OXNARD BASIN	OXNARD FOREBAY	60	101.3	6078.7	608.8	1990	1	2019	2
02N21W18Q03S	400	--	1000	--	OXNARD BASIN	OXNARD PLAIN	57	227.9	12990.9	424.7	1991	1	2019	2
02N22W13L07S	160	--	640	--	OXNARD BASIN	OXNARD FOREBAY	56	101.1	5661.0	197.6	1992	1	2019	2
02N22W15M01S	160	--	400	--	OXNARD BASIN	OXNARD FOREBAY	54	98.5	5318.3	175.8	1993	1	2019	2
02N22W19P01S	160	--	300	--	OXNARD BASIN	OXNARD PLAIN	47	77.8	3657.2	185.4	1996	2	2019	2
02N22W23D06S	130	--	370	--	OXNARD BASIN	OXNARD FOREBAY	57	34.1	1941.0	242.2	1991	2	2019	2
02N22W29D05S	185	--	255	--	OXNARD BASIN	OXNARD PLAIN	57	21.5	1223.6	198.3	1991	2	2019	2
02N22W31D02S	220	--	400	--	OXNARD BASIN	OXNARD PLAIN	55	157.6	8665.3	298.4	1992	2	2019	2
02N22W31R05S	320	--	440	--	OXNARD BASIN	OXNARD PLAIN	81	78.4	6352.1	175.2	1979	1	2019	2
02N22W32C04S	220	--	310	--	OXNARD BASIN	OXNARD PLAIN	59	107.0	6315.7	220.0	1990	2	2019	2
02N22W35C04S	441	--	741	--	OXNARD BASIN	OXNARD PLAIN	37	21.8	807.2	87.3	1993	2	2011	2
01N21W08D05S	700	--	1200	--	OXNARD BASIN	OXNARD PLAIN	55	97.7	5371.0	373.7	1979	2	2006	2
01N21W09C04S	720	--	1120	--	OXNARD BASIN	PLEASANT VALLEY	57	59.2	3374.8	209.2	1991	2	2019	2
01N21W15M01S	492	--	892	--	OXNARD BASIN	PLEASANT VALLEY	64	154.0	9855.7	332.5	1988	1	2019	2
01N21W19F01S	380	--	490	--	OXNARD BASIN	OXNARD PLAIN	58	4.9	282.0	16.0	1991	1	2019	2
01N21W19J05S	600	--	800	--	OXNARD BASIN	OXNARD PLAIN	81	14.1	1139.8	70.9	1979	2	2019	2
01N21W19J06S	520	--	820	--	OXNARD BASIN	OXNARD PLAIN	60	104.2	6250.4	225.2	1990	1	2019	2
01N21W30L01S	400	--	520	--	OXNARD BASIN	OXNARD PLAIN	51	62.0	3163.5	241.7	1994	2	2019	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
01N22W23R02S	460	--	660	--	OXNARD BASIN	OXNARD PLAIN	57	60.5	3448.5	117.5	1991	2	2019	2
01N22W24Q01S	420	--	600	--	OXNARD BASIN	OXNARD PLAIN	59	46.1	2718.3	125.6	1990	2	2019	2
01N22W25B04S	441	--	661	--	OXNARD BASIN	OXNARD PLAIN	55	120.5	6625.3	220.6	1992	2	2019	2
01N22W26Q03S	420	--	560	--	OXNARD BASIN	OXNARD PLAIN	57	165.8	9449.3	400.2	1991	2	2019	2
02N21W20M04S	760	--	1100	--	OXNARD BASIN	OXNARD PLAIN	57	89.6	5105.6	398.3	1991	2	2019	2
01N21W19P03S	750	--	900	--	OXNARD BASIN	OXNARD PLAIN	53	47.6	2525.0	102.4	1993	2	2019	2
01N21W19N02S	400	--	1020	--	OXNARD BASIN	OXNARD PLAIN	19	85.0	1615.2	156.8	1993	2	2002	2
02N22W02R05S	106	--	520	--	OXNARD BASIN	OXNARD FOREBAY	71	629.6	44704.5	1449.8	1984	2	2019	2
02N22W22Q05S	460	--	640	--	OXNARD BASIN	OXNARD FOREBAY	18	3.8	67.9	14.7	2011	1	2019	2
02N22W12B08S	115	--	355	--	OXNARD BASIN	OXNARD FOREBAY	40	0.8	31.0	4.6	1999	2	2019	2
01N21W16M03S	620	--	1100	--	OXNARD BASIN	OXNARD PLAIN	32	138.5	4433.3	324.6	2004	1	2019	2
01N21W16N01S	418	--	893	--	OXNARD BASIN	OXNARD PLAIN	43	261.5	11243.9	499.1	1998	2	2019	2
02N22W13H02S	100	--	500	--	OXNARD BASIN	OXNARD FOREBAY	46	327.2	15049.7	602.4	1997	1	2019	2
02N22W19J03S	410	--	690	--	OXNARD BASIN	OXNARD PLAIN	46	167.4	7698.2	504.8	1997	1	2019	2
02N22W25L05S	400	--	820	--	OXNARD BASIN	OXNARD PLAIN	46	96.4	4435.9	138.5	1997	1	2019	2
02N21W32C01S	84	--	200	--	OXNARD BASIN	OXNARD PLAIN	46	32.0	1474.0	181.0	1997	1	2019	2
02N22W23C05S	140	--	310	--	OXNARD BASIN	OXNARD FOREBAY	38	1481.7	56305.5	3123.0	2001	1	2019	2
02N22W13N04S	350	--	620	--	OXNARD BASIN	OXNARD FOREBAY	39	25.2	982.8	272.6	2000	2	2019	2
02N22W13K04S	100	--	500	--	OXNARD BASIN	OXNARD FOREBAY	39	118.3	4613.8	255.1	2000	2	2019	2
01N21W17B02S	600	--	1100	--	OXNARD BASIN	OXNARD PLAIN	18	192.7	3468.9	394.4	2011	1	2019	2
01N21W21N02S	120	--	400	--	OXNARD BASIN	OXNARD PLAIN	34	65.6	2230.3	121.3	2003	1	2019	2
01N22W12C04S	134	--	214	--	OXNARD BASIN	OXNARD PLAIN	18	2.8	50.1	4.2	2011	1	2019	2
02N22W23Q04S	301	--	501	--	OXNARD BASIN	OXNARD FOREBAY	32	172.6	5523.7	320.9	2004	1	2019	2
01N21W20B01S	540	--	930	--	OXNARD BASIN	OXNARD PLAIN	21	273.2	5736.3	397.5	2009	2	2019	2
02N21W20Q05S	600	--	950	--	OXNARD BASIN	WEST LAS POSAS	37	118.3	4378.9	230.4	2000	1	2019	2
01N21W09D03S	120	--	260	--	OXNARD BASIN	OXNARD PLAIN	39	9.0	349.6	134.6	2000	2	2019	2
01N21W23E03S	140	--	370	--	OXNARD BASIN	PLEASANT VALLEY	36	1.1	40.6	1.2	2002	1	2019	2
02N22W29D08S	200	--	290	--	OXNARD BASIN	OXNARD PLAIN	20	32.6	651.1	49.8	2010	1	2019	2
02N22W32D01S	210	--	480	--	OXNARD BASIN	OXNARD PLAIN	33	74.6	2463.2	139.5	2003	2	2019	2
02N22W35K03S	361	--	711	--	OXNARD BASIN	OXNARD PLAIN	20	112.8	2256.6	155.4	2010	1	2019	2
02N21W19P01S	641	--	1201	--	OXNARD BASIN	OXNARD PLAIN	32	110.6	3540.4	320.6	2004	1	2019	2
02N21W29E03S	640	--	1200	--	OXNARD BASIN	OXNARD PLAIN	33	113.0	3728.0	260.6	2003	2	2019	2
02N21W29E02S	640	--	1080	--	OXNARD BASIN	OXNARD PLAIN	25	64.9	1623.7	161.9	2007	2	2019	2
02N21W32J03S	570	--	990	--	OXNARD BASIN	PLEASANT VALLEY	32	7.9	253.1	60.0	2004	1	2019	2
01N21W22K02S	403	--	883	--	OXNARD BASIN	PLEASANT VALLEY	36	84.4	3039.9	247.0	2002	1	2019	2
01N21W19K11S	280	--	400	--	OXNARD BASIN	OXNARD PLAIN	16	0.5	8.8	2.3	2011	1	2019	2
01N21W08F03S	700	--	1170	--	OXNARD BASIN	OXNARD PLAIN	32	44.8	1433.6	189.5	2003	2	2019	2
01N21W20P04S	160	--	300	--	OXNARD BASIN	OXNARD PLAIN	30	40.1	1201.6	59.8	2005	1	2019	2
01N21W30C04S	130	--	390	--	OXNARD BASIN	OXNARD PLAIN	30	88.4	2651.6	145.8	2005	1	2019	2
02N22W28A03S	100	--	180	--	OXNARD BASIN	OXNARD PLAIN	34	2.9	99.6	19.4	2003	1	2019	2
01N22W26D05S	480	--	680	--	OXNARD BASIN	OXNARD PLAIN	32	363.5	11630.9	693.3	2004	1	2019	2
01N21W33A01S	227	--	567	--	OXNARD BASIN	OXNARD PLAIN	23	213.7	4915.4	564.4	2008	2	2019	2
01N21W19Q01S	170	--	390	--	OXNARD BASIN	OXNARD PLAIN	31	69.8	2163.5	108.6	2004	2	2019	2
01N21W28H03S	305	--	805	--	OXNARD BASIN	OXNARD PLAIN	32	176.1	5634.0	341.2	2004	1	2019	2
02N23W36C05S	200	--	445	--	OXNARD BASIN	OXNARD PLAIN	30	6.0	180.5	13.5	2005	1	2019	2
01N22W13E05S	600	--	1060	--	OXNARD BASIN	OXNARD PLAIN	80	60.1	4807.2	172.3	1980	1	2019	2
02N22W30J07S	295	--	485	--	OXNARD BASIN	OXNARD PLAIN	31	131.7	4082.3	430.3	2004	2	2019	2
02N22W36E02S	475	--	580	--	OXNARD BASIN	OXNARD PLAIN	27	489.4	13213.3	1470.7	2006	2	2019	2
02N22W36E03S	360	--	420	--	OXNARD BASIN	OXNARD PLAIN	27	479.0	12934.3	1879.4	2006	2	2019	2
02N22W36E04S	195	--	285	--	OXNARD BASIN	OXNARD PLAIN	27	106.7	2880.9	800.2	2006	2	2019	2
02N22W36E05S	130	--	170	--	OXNARD BASIN	OXNARD PLAIN	27	63.5	1713.7	650.9	2006	2	2019	2
02N22W01J01S	40	--	100	--	OXNARD BASIN	OXNARD FOREBAY	30	3.7	110.3	4.8	2005	1	2019	2
02N22W01J02S	60	--	160	--	OXNARD BASIN	OXNARD FOREBAY	30	2.2	64.6	4.8	2005	1	2019	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
02N21W20M05S	820	--	1160	--	OXNARD BASIN	OXNARD PLAIN	30	194.7	5841.6	558.1	2005	1	2019	2
02N21W07L07S	70	--	250	--	OXNARD BASIN	OXNARD FOREBAY	26	100.1	2602.0	660.0	2007	1	2019	2
02N21W07M04S	100	--	350	--	OXNARD BASIN	OXNARD FOREBAY	26	127.0	3302.3	682.2	2007	1	2019	2
02N22W12J04S	100	--	320	--	OXNARD BASIN	OXNARD FOREBAY	26	133.7	3476.2	708.2	2007	1	2019	2
02N22W12H01S	100	--	365	--	OXNARD BASIN	OXNARD FOREBAY	26	106.6	2771.8	531.1	2007	1	2019	2
01N21W17K01S	540	--	940	--	OXNARD BASIN	OXNARD PLAIN	12	166.5	1997.5	202.5	2014	1	2019	2
01N21W19P05S	303	--	693	--	OXNARD BASIN	OXNARD PLAIN	34	76.3	2593.5	504.3	2003	1	2019	2
02N21W20M06S	625	--	825	--	OXNARD BASIN	OXNARD PLAIN	24	89.0	2135.7	267.3	2008	1	2019	2
01N22W12Q02S	155	--	395	--	OXNARD BASIN	OXNARD PLAIN	13	58.6	761.9	98.4	2007	2	2013	2
01N21W21H03S	540	--	620	--	OXNARD BASIN	PLEASANT VALLEY	24	11.5	275.6	21.5	2008	1	2019	2
01N21W16A05S	620	--	770	--	OXNARD BASIN	PLEASANT VALLEY	27	208.8	5636.8	361.5	2006	2	2019	2
02N21W30F02S	630	--	1200	--	OXNARD BASIN	OXNARD PLAIN	30	109.3	3279.3	206.7	2005	1	2019	2
02N21W18H13S	510	--	590	--	OXNARD BASIN	OXNARD PLAIN	20	0.9	17.4	2.4	2010	1	2019	2
02N21W29N05S	115	--	146	--	OXNARD BASIN	OXNARD PLAIN	79	0.6	44.2	2.7	1979	2	2019	2
02N21W30R04S	120	--	140	--	OXNARD BASIN	OXNARD PLAIN	79	0.5	41.4	2.1	1979	2	2019	2
01N22W12A02S	712	--	962	--	OXNARD BASIN	OXNARD PLAIN	22	150.4	3309.4	369.8	2009	1	2019	2
02N22W23G04S	115	--	340	--	OXNARD BASIN	OXNARD FOREBAY	21	571.1	11993.9	1671.8	2009	2	2019	2
02N22W13B01S	420	--	790	--	OXNARD BASIN	OXNARD FOREBAY	21	149.5	3139.5	281.9	2009	2	2019	2
01N22W03F14S	135	--	235	--	OXNARD BASIN	OXNARD PLAIN	23	301.6	6935.7	1428.7	2008	2	2019	2
01N22W03F13S	120	--	230	--	OXNARD BASIN	OXNARD PLAIN	21	495.5	10406.4	1604.5	2009	2	2019	2
01N22W03F12S	120	--	230	--	OXNARD BASIN	OXNARD PLAIN	23	751.3	17280.7	1765.7	2008	2	2019	2
02N22W12E05S	160	--	480	--	OXNARD BASIN	OXNARD FOREBAY	14	10.4	146.1	22.6	2013	1	2019	2
02N22W25Q05S	220	--	390	--	OXNARD BASIN	OXNARD PLAIN	20	197.2	3944.8	310.4	2010	1	2019	2
01N21W20K03S	600	--	880	--	OXNARD BASIN	OXNARD PLAIN	57	125.7	7162.1	334.4	1991	2	2019	2
02N22W24A02S	100	--	240	--	OXNARD BASIN	OXNARD PLAIN	20	158.1	3162.7	259.0	2010	1	2019	2
02N22W12M03S	40	--	300	--	OXNARD BASIN	OXNARD FOREBAY	18	37.2	670.4	66.1	2011	1	2019	2
01N21W28H04S	250	--	740	--	OXNARD BASIN	PLEASANT VALLEY	17	237.6	4038.6	482.2	2011	2	2019	2
01N22W12C05S	770	--	1015	--	OXNARD BASIN	OXNARD PLAIN	15	181.0	2715.5	276.2	2012	2	2019	2
01N22W12Q03S	150	--	360	--	OXNARD BASIN	OXNARD PLAIN	14	283.1	3962.9	450.0	2013	1	2019	2
02N21W07G01S	182	--	452	--	OXNARD BASIN	OXNARD FOREBAY	12	93.0	1116.0	174.9	2014	1	2019	2
01N22W11D03S	130	--	270	--	OXNARD BASIN	OXNARD PLAIN	9	11.0	99.0	28.9	2015	2	2019	2
02N22W12R05S	340	--	715	--	OXNARD BASIN	OXNARD FOREBAY	10	17.7	177.0	33.2	2015	1	2019	2
02N22W23C06S	150	--	290	--	OXNARD BASIN	OXNARD FOREBAY	10	662.8	6627.7	855.8	2015	1	2019	2
01N21W26M01S	140	--	380	--	OXNARD BASIN	PLEASANT VALLEY	9	5.1	46.0	12.7	2015	2	2019	2
01N22W01M04S	125	--	300	--	OXNARD BASIN	OXNARD PLAIN	9	38.9	349.9	149.2	2015	2	2019	2
01N22W11A05S	130	--	350	--	OXNARD BASIN	OXNARD PLAIN	9	23.9	215.4	50.0	2015	2	2019	2
01N21W18Q03S	100	--	200	--	OXNARD BASIN	OXNARD PLAIN	11	40.4	444.8	58.8	2014	2	2019	2
02N21W29M02S	630	--	1130	--	OXNARD BASIN	OXNARD PLAIN	9	207.4	1866.6	304.1	2015	2	2019	2
02N21W07K03S	377	--	842	--	OXNARD BASIN	OXNARD FOREBAY	12	163.6	1963.4	446.2	2014	1	2019	2
02N21W29N06S	105	--	300	--	OXNARD BASIN	OXNARD PLAIN	9	4.7	42.1	22.2	2015	2	2019	2
01N21W09M05S	860	--	1160	--	OXNARD BASIN	OXNARD PLAIN	9	138.8	1249.5	239.4	2015	2	2019	2
02N21W19G03S	575	--	785	--	OXNARD BASIN	OXNARD PLAIN	11	190.9	2100.4	362.2	2014	2	2019	2
01N22W11C03S	125	--	250	--	OXNARD BASIN	OXNARD PLAIN	10	66.2	661.7	120.7	2015	1	2019	2
01N21W06C02S	105	--	130	--	OXNARD BASIN	OXNARD PLAIN	74	62.7	4639.1	193.0	1979	2	2019	2
02N20W19F04S	459	--	759	--	PLEASANT VALLEY	PLEASANT VALLEY	73	706	51,542	1,383	1983	2	2019	2
02N20W20E02S	479	--	875	--	PLEASANT VALLEY	PLEASANT VALLEY	48	43.2	2,075	335	1983	2	2013	2
02N20W19E01S	564	--	864	--	PLEASANT VALLEY	PLEASANT VALLEY	72	196.7	14,164	410	1983	2	2019	2
02N20W19L05S	467	--	830	--	PLEASANT VALLEY	PLEASANT VALLEY	73	263	19,197	1,068	1983	2	2019	2
02N20W22K01S	162	--	450	--	PLEASANT VALLEY	SANTA ROSA	37	19.6	724	71.6	1994	1	2013	2
02N20W19M05S	654	--	990	--	PLEASANT VALLEY	PLEASANT VALLEY	55	120.8	6,643	487	1983	2	2018	2
02N20W19J02S	604	--	876	--	PLEASANT VALLEY	PLEASANT VALLEY	27	250.0	6,751	506.4	1983	2	1997	2
02N21W28P02S	--	--	--	--	PLEASANT VALLEY	PLEASANT VALLEY	9	40	360	96	1983	2	2013	2
02N21W34C01S	700	--	890	--	PLEASANT VALLEY	PLEASANT VALLEY	68	832	56,551	1,246	1986	1	2019	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
02N21W34D02S	712	--	900	--	PLEASANT VALLEY	PLEASANT VALLEY	43	6.3	272	35.0	1979	2	2000	2
02N21W35D02S	644	--	810	--	PLEASANT VALLEY	PLEASANT VALLEY	14	56.2	787	134.1	1979	2	1997	2
02N20W31F03S	451	--	970	--	PLEASANT VALLEY	PLEASANT VALLEY	16	92.9	1,487.0	254.4	1993	1	2004	2
02N21W36G03S	610	--	1,060	--	PLEASANT VALLEY	PLEASANT VALLEY	30	151	4,539	367	1987	2	2003	2
02N21W34H02S	160	--	861	--	PLEASANT VALLEY	PLEASANT VALLEY	49	6	316	80	1979	2	2004	1
02N21W36G02S	--	--	--	--	PLEASANT VALLEY	PLEASANT VALLEY	37	41.6	1,538	217	1983	2	2002	2
02N21W34G01S	403	--	1,463	--	PLEASANT VALLEY	PLEASANT VALLEY	77	455.6	35,079.4	1,589.5	1981	2	2019	2
02N21W35J01S	169	--	980	--	PLEASANT VALLEY	PLEASANT VALLEY	72	0.4	32.0	1.0	1979	2	2015	1
02N21W35M01S	717	--	1113	--	PLEASANT VALLEY	PLEASANT VALLEY	43	33.0	1420.4	288.6	1979	2	2000	2
02N21W36L02S	618	--	1242	--	PLEASANT VALLEY	PLEASANT VALLEY	81	3.8	309.8	70.9	1979	2	2019	2
02N21W34L02S	252	--	1000	--	PLEASANT VALLEY	PLEASANT VALLEY	37	36.5	1350.9	80.9	1990	1	2008	1
02N21W34J02S	532	--	892	--	PLEASANT VALLEY	PLEASANT VALLEY	76	19.4	1476.4	158.8	1982	1	2019	2
02N21W33P02S	801	--	1149	--	PLEASANT VALLEY	PLEASANT VALLEY	13	134.6	1749.2	458.4	1982	2	1997	2
02N21W33R02S	801	--	1051	--	PLEASANT VALLEY	PLEASANT VALLEY	60	71.3	4277.1	770.4	1990	1	2019	2
02N21W36N01S	280	--	437	--	PLEASANT VALLEY	PLEASANT VALLEY	34	11.5	390.6	96.6	2003	1	2019	2
01N21W03D01S	336	--	1300	--	PLEASANT VALLEY	PLEASANT VALLEY	81	69.4	5622.8	449.4	1979	2	2019	2
01N21W03C01S	956	--	1216	--	PLEASANT VALLEY	PLEASANT VALLEY	19	43.2	820.8	113.5	1979	2	1989	2
01N21W01D05S	313	--	440	--	PLEASANT VALLEY	PLEASANT VALLEY	49	42.0	2059.5	205.3	1979	2	2003	2
01N21W01C02S	224	--	504	--	PLEASANT VALLEY	PLEASANT VALLEY	81	136.8	11080.5	639.5	1979	2	2019	2
01N21W01B04S	820	--	1150	--	PLEASANT VALLEY	PLEASANT VALLEY	48	59.7	2865.2	377.0	1983	2	2013	2
01N21W01B01S	--	--	--	--	PLEASANT VALLEY	PLEASANT VALLEY	59	207.4	12236.2	1499.1	1984	1	2014	2
01N21W01D02S	107	--	437	--	PLEASANT VALLEY	PLEASANT VALLEY	5	93.9	469.3	122.6	1979	2	1997	2
01N21W01D01S	350	--	371	--	PLEASANT VALLEY	PLEASANT VALLEY	81	1.1	92.2	5.0	1979	2	2019	2
01N21W01B03S	--	--	--	--	PLEASANT VALLEY	PLEASANT VALLEY	14	71.9	1006.8	201.7	1979	2	1997	2
01N21W04C01S	613	--	1003	--	PLEASANT VALLEY	PLEASANT VALLEY	19	26.9	511.9	135.5	1979	2	2019	2
01N20W06E01S	240	--	550	--	PLEASANT VALLEY	PLEASANT VALLEY	27	96.5	2604.2	708.7	2000	1	2013	2
01N21W02J01S	--	--	--	--	PLEASANT VALLEY	PLEASANT VALLEY	81	0.6	48.6	1.0	1979	2	2019	2
01N21W02J02S	178	--	373	--	PLEASANT VALLEY	PLEASANT VALLEY	81	51.6	4178.4	348.9	1979	2	2019	2
01N21W01F02S	325	--	374	--	PLEASANT VALLEY	PLEASANT VALLEY	60	60.4	3622.0	458.6	1986	1	2015	2
01N21W01J01S	240	--	550	--	PLEASANT VALLEY	PLEASANT VALLEY	18	55.5	999.5	152.5	2004	1	2019	2
01N21W03K01S	403	--	1433	--	PLEASANT VALLEY	PLEASANT VALLEY	77	568.5	43774.0	1428.3	1981	2	2019	2
01N21W04K01S	400	--	1220	--	PLEASANT VALLEY	PLEASANT VALLEY	77	192.1	14790.6	870.8	1981	2	2019	2
01N21W03J01S	658	--	1090	--	PLEASANT VALLEY	PLEASANT VALLEY	67	124.9	8370.7	584.1	1979	2	2019	2
01N21W02J03S	304	--	707	--	PLEASANT VALLEY	PLEASANT VALLEY	81	54.4	4403.7	133.7	1979	2	2019	2
01N21W03N02S	688	--	883	--	PLEASANT VALLEY	PLEASANT VALLEY	19	10.5	199.3	47.4	1980	1	1997	2
01N21W01N02S	267	--	435	--	PLEASANT VALLEY	PLEASANT VALLEY	7	19.0	132.7	62.5	1979	2	1997	2
01N21W03N01S	712	--	1036	--	PLEASANT VALLEY	PLEASANT VALLEY	74	110.0	8142.0	310.3	1979	2	2016	1
01N21W03P02S	430	--	980	--	PLEASANT VALLEY	PLEASANT VALLEY	81	133.1	10784.8	499.3	1979	2	2019	2
01N21W03R01S	443	--	1013	--	PLEASANT VALLEY	PLEASANT VALLEY	77	456.3	35134.6	1001.5	1981	2	2019	2
01N21W12C04S	250	--	400	--	PLEASANT VALLEY	PLEASANT VALLEY	16	6.9	110.3	32.3	1979	2	1997	2
01N21W10A02S	240	--	320	--	PLEASANT VALLEY	PLEASANT VALLEY	80	0.5	42.5	1.4	1980	1	2019	2
01N21W11D02S	284	--	1000	--	PLEASANT VALLEY	PLEASANT VALLEY	81	34.6	2799.3	241.4	1979	2	2019	2
01N21W12D01S	253	--	414	--	PLEASANT VALLEY	PLEASANT VALLEY	81	124.6	10089.8	404.5	1979	2	2019	2
01N21W11G04S	270	--	730	--	PLEASANT VALLEY	PLEASANT VALLEY	41	118.6	4861.4	383.7	1979	2	1999	2
01N21W12F01S	--	--	--	--	PLEASANT VALLEY	PLEASANT VALLEY	14	0.5	7.4	4.2	1980	1	1997	2
01N21W09J01S	474	--	954	--	PLEASANT VALLEY	PLEASANT VALLEY	45	148.6	6684.9	432.0	1979	2	2001	2
01N21W10G01S	420	--	1000	--	PLEASANT VALLEY	PLEASANT VALLEY	77	501.9	38648.0	1191.3	1981	2	2019	2
01N21W12E02S	--	--	--	--	PLEASANT VALLEY	PLEASANT VALLEY	14	0.9	12.5	2.0	2013	1	2019	2
01N21W11P01S	403	--	843	--	PLEASANT VALLEY	PLEASANT VALLEY	80	80.4	6432.7	383.1	1980	1	2019	2
01N21W15D02S	383	--	1083	--	PLEASANT VALLEY	PLEASANT VALLEY	77	347.9	26785.6	1072.2	1981	2	2019	2
01N21W15B01S	336	--	852	--	PLEASANT VALLEY	PLEASANT VALLEY	45	58.6	2635.6	263.6	1979	2	2001	2
01N21W14C01S	270	--	880	--	PLEASANT VALLEY	PLEASANT VALLEY	25	138.9	3471.9	368.7	1979	2	1991	2
01N21W15C02S	--	--	--	--	PLEASANT VALLEY	PLEASANT VALLEY	22	0.4	8.8	3.6	1979	2	1997	2

Table 3-9. Well Information

Well ID	Reported Depth to Top of Screen (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Estimated Depth to Bottom of Screen (ft bgs)	DWR (2019) Basin ID	Traditional Basin	Number of Semi-Annual Pumping Records	Average Semi-Annual Reported Pumping (acre-ft)	Total Pumping Volume (acre-ft)	Maximum Semi-Annual Reported Pumping (acre-ft)	First Year of Well Records	First Semi-Annual Period of Well Records	Last Year of Well Records	Last Semi-Annual Period of Well Records
01N21W15H01S	120	--	200	--	PLEASANT VALLEY	PLEASANT VALLEY	71	0.5	38.5	1.0	1984	2	2019	2
01N21W15J04S	377	--	857	--	PLEASANT VALLEY	PLEASANT VALLEY	72	97.3	7002.1	581.3	1982	1	2019	2
01N21W23A02S	38	--	108	--	PLEASANT VALLEY	PLEASANT VALLEY	69	0.3	22.8	1.0	1979	2	2015	2
01N21W23H01S	--	--	--	--	PLEASANT VALLEY	PLEASANT VALLEY	69	17.8	1228.9	176.5	1979	2	2015	2
01N21W04A02S	800	--	1160	--	PLEASANT VALLEY	PLEASANT VALLEY	50	45.4	2270.6	287.0	1991	1	2015	2
01N21W15B02S	340	--	880	--	PLEASANT VALLEY	PLEASANT VALLEY	56	82.3	4606.7	247.0	1992	1	2019	2
02N21W35P01S	285	--	325	--	PLEASANT VALLEY	PLEASANT VALLEY	57	0.5	30.2	1.0	1991	2	2019	2
02N21W35M02S	700	--	1100	--	PLEASANT VALLEY	PLEASANT VALLEY	44	6.3	277.4	123.0	1998	1	2019	2
02N20W19M06S	540	--	800	--	PLEASANT VALLEY	PLEASANT VALLEY	48	192.8	9253.5	344.4	1993	2	2019	1
02N20W29B02S	395	--	740	--	PLEASANT VALLEY	PLEASANT VALLEY	47	373.0	17531.4	701.7	1996	1	2019	2
02N21W26R02S	157	--	491	--	PLEASANT VALLEY	PLEASANT VALLEY	72	19.9	1435.3	58.6	1983	2	2019	2
02N21W28Q04S	510	--	1140	--	PLEASANT VALLEY	PLEASANT VALLEY	43	62.0	2666.4	164.1	1991	2	2013	2
01N21W11B03S	--	--	--	--	PLEASANT VALLEY	PLEASANT VALLEY	46	118.7	5460.8	242.4	1997	1	2019	2
01N21W09J03S	480	--	960	--	PLEASANT VALLEY	PLEASANT VALLEY	47	388.4	18253.6	657.0	1996	2	2019	2
01N21W02J04S	310	--	450	--	PLEASANT VALLEY	PLEASANT VALLEY	14	0.5	7.4	1.0	2013	1	2019	2
01N21W03L03S	674	--	990	--	PLEASANT VALLEY	PLEASANT VALLEY	31	120.2	3727.6	273.8	2004	2	2019	2
01N21W01A03S	260	--	390	--	PLEASANT VALLEY	PLEASANT VALLEY	59	101.6	5994.1	217.0	1983	2	2019	2
02N20W19H01S	500	--	880	--	PLEASANT VALLEY	PLEASANT VALLEY	29	111.9	3244.5	393.3	1994	2	2013	2
02N20W20M05S	480	--	680	--	PLEASANT VALLEY	PLEASANT VALLEY	53	83.0	4401.6	148.3	1993	1	2019	2
02N21W36G04S	600	--	1060	--	PLEASANT VALLEY	PLEASANT VALLEY	23	98.7	2270.9	225.9	1995	2	2013	2
01N21W03H02S	615	--	895	--	PLEASANT VALLEY	PLEASANT VALLEY	30	120.9	3628.4	310.2	2005	1	2019	2
02N20W19A01S	555	--	855	--	PLEASANT VALLEY	PLEASANT VALLEY	24	213.3	5118.7	427.0	2001	2	2013	2
01N21W02H04S	240	--	540	--	PLEASANT VALLEY	PLEASANT VALLEY	30	80.3	2409.1	292.2	2005	1	2019	2
02N21W28P07S	520	--	1000	--	PLEASANT VALLEY	PLEASANT VALLEY	23	116.5	2678.4	213.9	2003	2	2015	1
01N21W02H05S	95	--	155	--	PLEASANT VALLEY	PLEASANT VALLEY	20	0.3	7.0	1.0	2010	1	2019	2
01N21W12C06S	240	--	390	--	PLEASANT VALLEY	PLEASANT VALLEY	20	18.2	364.8	19.2	2010	1	2019	2
01N21W01B05S	585	--	910	--	PLEASANT VALLEY	PLEASANT VALLEY	29	136.5	3958.8	247.1	2004	1	2019	2
02N20W19B01S	400	--	650	--	PLEASANT VALLEY	PLEASANT VALLEY	24	101.1	2426.5	224.7	2008	1	2019	2
02N20W22K04S	320	--	440	--	PLEASANT VALLEY	SANTA ROSA	12	27.6	331.2	67.9	2011	2	2019	2
01N21W10L01S	900	--	1050	--	PLEASANT VALLEY	PLEASANT VALLEY	12	100.8	1209.8	210.8	2014	1	2019	2
01N21W01M02S	1070	--	1200	--	PLEASANT VALLEY	PLEASANT VALLEY	12	252.8	3034.2	549.1	2014	1	2019	2
02N20W19B02S	400	--	650	--	PLEASANT VALLEY	PLEASANT VALLEY	10	98.2	982.0	165.3	2014	1	2018	2
02N20W24E01S	290	--	830	--	SANTA ROSA	SANTA ROSA	71	102	7,208	226	1983	2	2019	2
02N20W23G02S	350	--	550	--	SANTA ROSA	SANTA ROSA	32	37.1	1,189	99	1983	2	2013	2
02N20W23G03S	800	--	900	--	SANTA ROSA	SANTA ROSA	56	77	4,300	108	1992	1	2019	2
02N20W23H02S	757	--	910	--	SANTA ROSA	SANTA ROSA	36	66.4	2,389	160	1983	2	2013	2
02N20W23L02S	--	--	--	--	SANTA ROSA	SANTA ROSA	53	45.3	2,402	236.0	1983	2	2013	2
02N20W22K02S	306	--	484	--	SANTA ROSA	SANTA ROSA	62	25.7	1,593.4	52.2	1983	2	2015	1
02N20W23K01S	350	--	800	--	SANTA ROSA	SANTA ROSA	73	31.9	2,327	68.8	1983	2	2019	2
02N20W22J01S	720	--	860	--	SANTA ROSA	SANTA ROSA	55	144.4	7943.2	286.6	1992	2	2019	2
02N20W23J01S	420	--	895	--	SANTA ROSA	SANTA ROSA	56	139.1	7787.7	251.3	1992	1	2019	2
02N20W23M01S	350	--	540	--	SANTA ROSA	SANTA ROSA	43	90.6	3895.0	186.1	1992	2	2019	2
02N20W23L04S	380	--	720	--	SANTA ROSA	SANTA ROSA	38	86.6	3290.5	175.7	2000	2	2019	2
02N20W23H03S	--	--	--	--	SANTA ROSA	SANTA ROSA	9	58.5	526.6	117.6	2009	2	2013	2

Table 4-1. Residual Statistics with All Water Level Data Included

Basin	Data No.	RM	ARM	ARM %	RMS	RMS %	Std Dev	Std Dev %	WL Range	WL Min	WL Max
All Basins	90502	0.95	13.3	1.11%	22.3	1.85%	22.3	1.85%	1203.5	-367.5	836.0
Piru	5481	-1.65	9.1	3.66%	12.2	4.89%	12.1	4.85%	249.5	449.4	698.9
Fillmore	4827	3.01	11.7	2.49%	16.5	3.49%	16.2	3.44%	470.8	220.7	691.5
Santa Paula	16684	-9.54	11.8	4.58%	18.1	7.03%	15.4	5.98%	258.0	28.0	286.0
Forebay	18428	4.23	9.9	3.07%	15.3	4.75%	14.7	4.57%	321.6	-183.1	138.5
Mound	4035	9.25	16.4	7.98%	25.8	12.56%	24.1	11.72%	205.5	-55.4	150.1
Oxnard Plain	29656	2.68	11.1	2.52%	16.3	3.72%	16.1	3.67%	438.4	-324.5	113.9
Pleasant Valley	7355	-0.15	19.5	5.66%	25.7	7.46%	25.7	7.46%	344.9	-200.8	144.1
West Las Posas	3315	16.88	48.7	7.48%	69.4	10.65%	67.3	10.33%	651.3	-367.5	283.8

Notes: Data No. = Number of data points; RM = Residual Mean; ARM = Absolute Residual Mean; ARM % = Absolute Residual Mean percentage of the range of measurements; RMS = Root Mean Square; RMS % = Root Mean Square percentage of the range of measurements; Std Dev = Standard Deviation; Std Dev % = Standard Deviation percentage of the range of measurements; WL Range = range of (water level) measurements; WL Min = Minimum value of (water level) measurements; WL Max = Maximum value of (water level) measurements;

Table 4-2. Residual Statistics Excluding Outlier Wells and Wells with less than 10 Water Level Records

Basin	Data No.	RM	ARM	ARM %	RMS	RMS %	Std Dev	Std Dev %	WL Range	WL Min	WL Max
All Basins	88754	0.04	12.3	1.16%	19.1	1.79%	19.1	1.79%	1063.4	-367.5	695.9
Piru	5451	-1.64	9.1	3.67%	12.0	4.89%	11.9	4.84%	246.5	449.4	695.9
Fillmore	4737	3.10	11.5	4.72%	15.9	6.51%	15.6	6.39%	244.2	220.7	464.9
Santa Paula	16622	-9.49	11.8	4.87%	18.0	7.44%	15.3	6.32%	241.8	44.2	286.0
Forebay	18345	4.18	9.8	3.06%	15.2	4.73%	14.6	4.55%	321.6	-183.1	138.5
Mound	3322	0.36	9.0	6.80%	11.8	8.91%	11.8	8.90%	132.0	-55.4	76.6
Oxnard Plain	29483	2.69	11.0	2.93%	16.1	4.27%	15.9	4.21%	376.5	-262.6	113.9
Pleasant Valley	7326	0.00	19.5	5.64%	25.6	7.42%	25.6	7.42%	344.9	-200.8	144.1
West Las Posas	2781	2.17	34.7	5.33%	48.6	7.46%	48.5	7.45%	651.3	-367.5	283.8

Notes: Data No. = Number of data points; RM = Residual Mean; ARM = Absolute Residual Mean; ARM % = Absolute Residual Mean percentage of the range of measurements; RMS = Root Mean Square; RMS % = Root Mean Square percentage of the range of measurements; Std Dev = Standard Deviation; Std Dev % = Standard Deviation percentage of the range of measurements; WL Range = range of (water level) measurements; WL Min = Minimum value of (water level) measurements; WL Max = Maximum value of (water level) measurements;

Table 4-3. **Average Annual Streamflow at the Freeman Diversion (AF) and Simulated Diversions Based on Streamflow at the Freeman Diversion (AF) for Streamflow Based on Historic Observations, Regional Model Outputs, and Upper Basins Surface Water Model outputs (1985-2015).**

Source for streamflow data	Annual streamflow at Freeman Diversion (AF)	Simulated annual diversions (AF)
Observed	210,186	65,060
UWCD Model	185,750	57,297
Upper Basins Surface Water Model	208,545	65,705

Note:
Simulations of diversions were performed using the HOSS model, assuming bypass flow operations proposed in United's Freeman Diversion Multiple Species Habitat Conservation Plan, without any infrastructure improvements.

Table 4-4. Summary of Simulated Annual-Average (AFY) Flows in Piru Basin

Aquifer System A	Storage	Mountain Front Recharge	ET	Areal Recharge	Pumping from Wells	Outside of Basin, within Model Domain	Underflow from Eastern Basin (LA County)	Internal Flow from Aquifer Above	Internal Flow to Aquifer Below (B)	Underflow to Fillmore Basin (A)	Stream Percolation	Rising Groundwater	Net Stream Percolation	Total Inflows	Total Outflows
	1,204	938	-3,802	10,358	-1,827	14	5,000	--	-40,362	-12,115	72,991	-32,394	40,598	90,505	-90,500
Aquifer System B	**Storage**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Outside of Basin, within Model Domain**	**Underflow from Eastern Basin (LA County)**	**Internal Flow from Aquifer Above (A)**	**Internal Flow to Aquifer Below (C)**	**Underflow to Fillmore Basin (B)**	**Stream Percolation**	**Rising Groundwater**	**Net Stream Percolation**	**Total Inflows**	**Total Outflows**
	854	4,535	--	--	-10,570	--	--	40,362	-6,879	-28,302	--	--	--	45,751	-45,751
Aquifer System C	**Storage**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Outside of Basin, within Model Domain**	**Underflow from Eastern Basin (LA County)**	**Internal Flow from Aquifer Above (B)**	**Internal Flow to Aquifer Below**	**Underflow to Fillmore Basin (C)**	**Stream Percolation**	**Rising Groundwater**	**Net Stream Percolation**	**Total Inflows**	**Total Outflows**
	61	--	--	--	-233	--	--	6,879	--	-6,707	--	--	--	6,940	-6,940
Sum	**Storage**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Outside of Basin, within Model Domain**	**Underflow from Eastern Basin (LA County)**	**Internal Flow from Aquifer Above**	**Internal Flow to Aquifer Below**	**Underflow to Fillmore Basin**	**Stream Percolation**	**Rising Groundwater**	**Net Stream Percolation**	**Total Inflows**	**Total Outflows**
	2,119	5,473	-3,802	10,358	-12,630	14	5,000	47,241	-47,241	-47,124	72,991	-32,394	40,598	143,196	-143,191

Notes: Units are in acre-feet per year (AFY); Positive values indicate inflows, negative values indicate outflows; Rounded to nearest whole number;
ET = Evapotranspiration

Table 4-5. Summary of Simulated Annual-Average (AFY) Flows in Fillmore Basin

Aquifer System A	Storage	Mountain Front Recharge	ET	Areal Recharge	Pumping from Wells	Outside of Basin, within Model Domain	Underflow from Piru Basin (A)	--	Internal Flow to Aquifer Below (B)	Underflow to Santa Paula Basin (A)	Stream Percolation	Rising Groundwater	Net Stream Percolation	Total Inflows	Total Outflows
	1,621	1,124	-4,406	19,925	-5,488	-65	12,115	--	-11,611	-3,192	13,689	-23,710	-10,021	48,473	-48,472
Aquifer System B	**Storage**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Outside of Basin, within Model Domain**	**Underflow from Piru Basin (B)**	**Internal Flow from Aquifer Above (A)**	**Internal Flow to Aquifer Below (C)**	**Underflow to Santa Paula Basin (B)**	**Stream Percolation**	**Rising Groundwater**	**Net Stream Percolation**	**Total Inflows**	**Total Outflows**
	879	3,344	--	791	-36,958	732	28,302	11,611	2,585	-10,369	0	-919	-919	48,245	-48,246
Aquifer System C	**STORAGE**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Outside of Basin, within Model Domain**	**Underflow from Piru Basin (C)**	**Internal Flow from Aquifer Above (B)**	**--**	**Underflow to Santa Paula Basin (C)**	**Stream Percolation**	**Rising Groundwater**	**Net Stream Percolation**	**Total Inflows**	**Total Outflows**
	1,834	2,256	--	80	-4,583	1,191	6,707	-2,585	--	-4,404	51	-549	-498	12,118	-12,121
Sum	**Storage**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Outside of Basin, within Model Domain**	**Underflow from Piru Basin**	**Internal Flow from Aquifer Above**	**Internal Flow to Aquifer Below**	**Underflow to Santa Paula Basin**	**Stream Percolation**	**Rising Groundwater**	**Net Stream Percolation**	**Total Inflows**	**Total Outflows**
	4,334	6,723	-4,406	20,796	-47,028	1,858	47,124	9,026	-9,026	-17,965	13,740	-25,178	-11,438	103,601	-103,603

Notes: Units are in acre-feet per year (AFY); Positive values indicate inflows, negative values indicate outflows; Rounded to nearest whole number;
ET = Evapotranspiration

Table 4-6. Summary of Simulated Annual-Average (AFY) Flows in Santa Paula Basin

Aquifer System A	Storage	Mountain Front Recharge	ET	Areal Recharge	Pumping from Wells	Outside of Basin, within Model Domain	Underflow from Fillmore Basin (A)	--	Internal Flow to Aquifer Below (B)	Underflow to Mound Basin (Shallow)	Underflow to Mound Basin (UAS)	Underflow to Mound Basin (LAS)	Underflow to Oxnard Basin (UAS)	Underflow to Oxnard Basin (LAS)	Stream Percolation	Rising Groundwater	Net Stream Percolation	Total Inflows	Total Outflows
	832	--	-2,291	12,396	-2,386	-267	3,192	--	-5,285	1	-27	--	-2,277	--	1,760	-5,647	-4,233	18,181	-18,180
Aquifer System B	**Storage**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Outside of Basin, within Model Domain**	**Underflow from Fillmore Basin (B)**	**Internal Flow to Aquifer Above (A)**	**Internal Flow to Aquifer Below (C)**	**Underflow to Mound Basin (Shallow)**	**Underflow to Mound Basin (UAS)**	**Underflow to Mound Basin (LAS)**	**Underflow to Oxnard Basin (UAS)**	**Underflow to Oxnard Basin (LAS)**	**Stream Percolation**	**Rising Groundwater**	**Net Stream Percolation**	**Total Inflows**	**Total Outflows**
	925	1,389	--	3,000	-20,777	1,083	10,369	5,285	1,657	--	-359	-2,509	-1	-6	405	-462	--	24,113	-24,115
Aquifer System C	**Storage**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Outside of Basin, within Model Domain**	**Underflow from Fillmore Basin (C)**	**Internal Flow to Aquifer Above (B)**	**--**	**Underflow to Mound Basin (Shallow)**	**Underflow to Mound Basin (UAS)**	**Underflow to Mound Basin (LAS)**	**Underflow to Oxnard Basin (UAS)**	**Underflow to Oxnard Basin (LAS)**	**Stream Percolation**	**Rising Groundwater**	**Net Stream Percolation**	**Total Inflows**	**Total Outflows**
	1,729	5	--	400	-1,398	-67	4,404	-1,657	--	--	--	-3,112	--	-16	0	-289	--	6,538	-6,538
Sum	**Storage**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Outside of Basin, within Model Domain**	**Underflow from Fillmore Basin**	**Internal Flow to Aquifer Above**	**Internal Flow to Aquifer Below**	**Underflow to Mound Basin (Shallow)**	**Underflow to Mound Basin (UAS)**	**Underflow to Mound Basin (LAS)**	**Underflow to Oxnard Basin (UAS)**	**Underflow to Oxnard Basin (LAS)**	**Stream Percolation**	**Rising Groundwater**	**Net Stream Percolation**	**Total Inflows**	**Total Outflows**
	3,487	1,394	-2,291	15,796	-24,561	750	17,965	3,628	-3,628	1	-387	-5,621	-2,278	-22	2,165	-6,399	-4,233	45,186	-45,187

Notes: Units are in acre-feet per year (AFY); Positive values indicate inflows, negative values indicate outflows; Rounded to nearest whole number;
ET = Evapotranspiration

Table 4-7. Summary of Simulated Annual-Average (AFY) Flows in Mound Basin

Shallow Aquifer System	Storage	Tile Drains	Mountain Front Recharge	ET	Areal Recharge	Pumping from Wells	Underflow from Santa Paula Basin (A)	Underflow from Santa Paula Basin (B)	Underflow from Santa Paula Basin (C)	Internal Flow to Aquifer Above	Internal Flow to Aquifer Below (UAS)	Underflow with Oxnard Basin (Shallow)	Coastal Flux	Net Stream Percolation	Total Inflows	Total Outflows
	51	-129	--	-665	2,941		-1	--	--	--	-1,480	1,271	-450	-1,541	4,263	-4,265
Upper Aquifer System	**Storage**	**Tile Drains**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Underflow from Santa Paula Basin (A)**	**Underflow from Santa Paula Basin (B)**	**Underflow from Santa Paula Basin (C)**	**Internal Flow to Aquifer Above (Shallow)**	**Internal Flow to Aquifer Below (LAS)**	**Underflow with Oxnard Basin (UAS)**	**Coastal Flux**	**Net Stream Percolation**	**Total Inflows**	**Total Outflows**
	29	--	--	--	201	-1,911	27	359	--	1,480	-687	452	14	--	2,563	-2,597
Lower Aquifer System	**Storage**	**Tile Drains**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Underflow from Santa Paula Basin (A)**	**Underflow from Santa Paula Basin (B)**	**Underflow from Santa Paula Basin (C)**	**Internal Flow to Aquifer Above (UAS)**	**Internal Flow to Aquifer Below**	**Underflow with Oxnard Basin (LAS)**	**Coastal Flux**	**Net Stream Percolation**	**Total Inflows**	**Total Outflows**
	1,012	--	2,485	--	576	-5,461	--	2,509	3,112	687	--	-4,959	65	--	10,446	-10,420
Sum	**Storage**	**Tile Drains**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Underflow from Santa Paula Basin (A)**	**Underflow from Santa Paula Basin (B)**	**Underflow from Santa Paula Basin (C)**	**Internal Flow to Aquifer Above**	**Internal Flow to Aquifer Below**	**Underflow with Oxnard Basin**	**Coastal Flux**	**Net Stream Percolation**	**Total Inflows**	**Total Outflows**
	1,092	-129	2,485	-665	3,719	-7,371	27	2,869	3,112	2,166	-2,166	-3,236	-371	-1,541	15,469	-15,479

Notes: Units are in acre-feet per year; Positive values indicate inflows, negative values indicate outflows; Rounded to nearest whole number;
ET = Evapotranspiration; UAS = Upper Aquifer System; LAS = Lower Aquifer System
Net Streamflow percolation in shallow aquifer represents all aquifer systems;
Totals represent net streamflow percolation and not total inflow or outflow

Table 4-8. Summary of Simulated Annual-Average (AFY) Flows in Oxnard Basin

Semi-Perched Aquifer System	Storage	Tile Drains	Mountain Front Recharge	ET	Areal Recharge	Pumping from Wells	Underflow with Santa Paula Basin	Underflow with Mound Basin	Underflow with Pleasant Valley Basin	Underflow with Las Posas Basin (West)	Internal Flow to Aquifer Above	Internal Flow to Aquifer Below (UAS)	Coastal Flux	Net Stream Percolation (SCR)	Net Stream Percolation (Calleguas Creek)	Total Inflows	Total Outflows
	740	-9,915	--	-8,740	23,312	-31	--	-1,271	3,371	-115	--	-10,609	-1,006	1,220	3,046	31,689	-31,689
Upper Aquifer System	**Storage**	**Tile Drains**	**Mountain Front Recharge (Volcanic Outcrop)**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Underflow with Santa Paula Basin**	**Underflow with Mound Basin**	**Underflow with Pleasant Valley Basin**	**Underflow with Las Posas Basin (West)**	**Internal Flow to Aquifer Above (Semi-Perched)**	**Internal Flow to Aquifer Below (LAS)**	**Coastal Flux**	**Net Stream Percolation (SCR)**	**Net Stream Percolation (Calleguas Creek)**	**Total Inflows**	**Total Outflows**
	3,209	-311	11	-56	51,001	-51,967	2,278	-452	1,215	-1,601	10,609	-19,630	3,801	1,884	--	74,009	-74,017
Lower Aquifer System	**Storage**	**Tile Drains**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Underflow with Santa Paula Basin**	**Underflow with Mound Basin**	**Underflow with Pleasant Valley Basin**	**Underflow with Las Posas Basin (West)**	**Internal Flow to Aquifer Above (UAS)**	**Internal Flow to Aquifer Below**	**Coastal Flux**	**Net Stream Percolation (SCR)**	**Net Stream Percolation (Calleguas Creek)**	**Total Inflows**	**Total Outflows**
	468	--	--	--	21	-32,325	22	4,959	519	495	19,630	--	6,206	--	--	32,320	-32,325
Sum	**Storage**	**Tile Drains**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Underflow with Santa Paula Basin**	**Underflow with Mound Basin**	**Underflow with Pleasant Valley Basin**	**Underflow with Las Posas Basin (West)**	**Internal Flow to Aquifer Above**	**Internal Flow to Aquifer Below**	**Coastal Flux**	**Net Stream Percolation (SCR)**	**Net Stream Percolation (Calleguas Creek)**	**Total Inflows**	**Total Outflows**
	4,417	-10,225	11	-8,797	74,334	-84,324	2,300	3,236	5,105	-1,222	30,239	-30,239	9,001	3,104	3,046	134,794	-134,806

Notes:

Units are in acre-feet per year; Positive values indicate inflows, negative values indicate outflows; Rounded to nearest whole number;

ET = Evapotranspiration; SCR = Santa Clara River; UAS = Upper Aquifer System; LAS = Lower Aquifer System;

Totals represent net streamflow percolation and not total inflow or outflow

Oxnard Basin include Forebay that have major United spreading activities that add to the areal recharge.

Table 4-9. Summary of Simulated Annual-Average (AFY) Flows in Pleasant Valley Basin

Semi-Perched Aquifer System	Storage	Tile Drains	Mountain Front Recharge	ET	Areal Recharge	Pumping from Wells	Underflow to Oxnard Basin	Underflow from Las Posas Basin (East)	Underflow with Las Posas Basin (West)	Internal Flow to Aquifer Above	Internal Flow to Aquifer Below (UAS)	Net Stream Percolation (Arroyo Las Posas)	Net Stream Percolation (Conejo Creek)	Net Stream Percolation (Calleguas Creek)	Total Inflows	Total Outflows
	-193	-894	--	-160	5630	-216	-3371	--	--	--	-10857	562	4937	4561	15,691	-15,691
Upper Aquifer System	**Storage**	**Tile Drains**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Underflow to Oxnard Basin**	**Underflow from Las Posas Basin (East)**	**Underflow with Las Posas Basin (West)**	**Internal Flow to Aquifer Above (Semi-Perched)**	**Internal Flow to Aquifer Below (LAS)**	**Net Stream Percolation (Arroyo Las Posas)**	**Net Stream Percolation (Conejo Creek)**	**Net Stream Percolation (Calleguas Creek)**	**Total Inflows**	**Total Outflows**
	-1066	--	1421	-1704	745	-7436	-1215	1646	-500	10857	-8807	3697	2363	--	20,729	-20,729
Lower Aquifer System	**Storage**	**Tile Drains**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Underflow to Oxnard Basin**	**Underflow from Las Posas Basin (East)**	**Underflow with Las Posas Basin (West)**	**Internal Flow to Aquifer Above (UAS)**	**Internal Flow to Aquifer Below**	**Net Stream Percolation (Arroyo Las Posas)**	**Net Stream Percolation (Conejo Creek)**	**Net Stream Percolation (Calleguas Creek)**	**Total Inflows**	**Total Outflows**
	-253	--	--	--	278	-8019	-519	--	-295	8807	--	--	--	--	9,085	-9,086
Sum	**Storage**	**Tile Drains**	**Mountain Front Recharge**	**ET**	**Areal Recharge**	**Pumping from Wells**	**Underflow to Oxnard Basin**	**Underflow from Las Posas Basin (East)**	**Underflow with Las Posas Basin (West)**	**Internal Flow with Aquifer Above**	**Internal Flow with Aquifer Below**	**Net Stream Percolation (Arroyo Las Posas)**	**Net Stream Percolation (Conejo Creek)**	**Net Stream Percolation (Calleguas Creek)**	**Total Inflows**	**Total Outflows**
	-1513	-894	1421	-1865	6653	-15671	-5105	1646	-795	19664	-19664	4260	7300	4561	45,505	-45,506

Notes:

Units are in acre-feet per year; Positive values indicate inflows, negative values indicate outflows; Rounded to nearest whole number;

ET = Evapotranspiration; SCR = Santa Clara River; UAS = Upper Aquifer System; LAS = Lower Aquifer System;

Totals represent net streamflow percolation and not total inflow or outflow

Table 4-10. Summary of Simulated Annual-Average Flows in Las Posas Basin (West)

Semi-Perched and UAS	Storage	Mountain Front Recharge	Areal Recharge	Pumping from Wells	Underflow with Oxnard Basin	Underflow with Pleasant Valley Basin	Internal Flow to Aquifer Above	Internal Flow to Aquifer Below (LAS)	Outside of Basin, within Model Domain	Total Inflows	Total Outflows
	242	--	5371	-343	1717	500	--	-7487	--	7,830	-7,830
Lower Aquifer System	**Storage**	**Mountain Front Recharge**	**Areal Recharge**	**Pumping from Wells**	**Underflow with Oxnard Basin**	**Underflow with Pleasant Valley Basin**	**Internal Flow to Aquifer Above (UAS)**	**Internal Flow to Aquifer Below**	**Outside of Basin, within Model Domain**	**Total Inflows**	**Total Outflows**
	1873	1710	2006	-13024	-495	295	7487	--	149	13,519	-13,519
Sum	**Storage**	**Mountain Front Recharge**	**Areal Recharge**	**Pumping from Wells**	**Underflow with Oxnard Basin**	**Underflow with Pleasant Valley Basin**	**Internal Flow to Aquifer Above**	**Internal Flow to Aquifer Below**	**Outside of Basin, within Model Domain**	**Total Inflows**	**Total Outflows**
	2115	1710	7377	-13367	1222	795	7487	-7487	149	20,854	-20,854

Notes:

Units are in acre-feet per year; Positive values indicate inflows, negative values indicate outflows;

Rounded to nearest whole number;

ET = Evapotranspiration; SCR = Santa Clara River; UAS = Upper Aquifer System; LAS = Lower Aquifer System;

Table 5-1. Sensitivity Analysis -- Residual Statistics
units: Feet

Parameters		Multiplier	Sensitivity	absolute diff. sum	Piru basin								Fillmore basin								Santa Paula basin							
					RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)
					Default = -3.09		9.618		Default = 12.405		Default = 12.015		Default = 2.572		Default = 11.458		Default = 15.775		Default = 15.566		Default = -9.985		Default = 12.104		Default = 18.239		Default = 15.264	
SCR Underflow (5000 AFY)		0.5X (2500 AFY)	High	126%	-0.26	-92%	8.69	-10%	11.907	-4%	11.905	-1%	2.97	15%	11.626	1%	15.974	1%	15.697	1%	-9.936	0%	12.079	0%	18.21	0%	15.261	0%
		0.8X (4000 AFY)	High	51%	-1.977	-36%	9.173	-5%	12.111	-2%	11.949	-1%	2.727	6%	11.522	1%	15.85	0%	15.615	0%	-9.966	0%	12.094	0%	18.228	0%	15.263	0%
		1.2X (6000 AFY)	High	52%	-4.171	35%	10.122	5%	12.806	3%	12.108	1%	2.423	-6%	11.399	-1%	15.707	0%	15.521	0%	-10.003	0%	12.114	0%	18.251	0%	15.265	0%
		1.5X (7500 AFY)	High	129%	-5.741	86%	10.944	14%	13.569	9%	12.295	2%	2.209	-14%	11.318	-1%	15.615	-1%	15.46	-1%	-10.03	0%	12.127	0%	18.267	0%	15.267	0%
		2X (10000 AFY)	High	257%	-8.22	166%	12.47	30%	15.138	22%	12.713	6%	1.879	-27%	11.206	-2%	15.488	-2%	15.375	-1%	-10.072	1%	12.149	0%	18.292	0%	15.27	0%
EVT Rate		0.1X	High	186%	-5.882	90%	10.983	14%	13.573	9%	12.233	2%	1.525	-41%	11.374	-1%	15.617	-1%	15.544	0%	-11.418	14%	13.114	8%	19.047	4%	15.245	0%
		10X	High	1415%	19.791	-740%	20.403	112%	24.125	94%	13.799	15%	10.316	301%	14.695	28%	19.604	24%	16.672	7%	-4.143	-59%	9.691	-20%	16.223	-11%	15.685	3%
EVT Extinct Depth (5 ft)		2.5 ft	Low	18%	-3.231	5%	9.68	1%	12.449	0%	12.023	0%	2.473	-4%	11.457	0%	15.778	0%	15.585	0%	-10.427	4%	12.412	3%	18.476	1%	15.254	0%
		10 ft	Medium	41%	-2.728	-12%	9.464	-2%	12.297	-1%	11.991	0%	2.786	8%	11.467	0%	15.776	0%	15.529	0%	-9.028	-10%	11.483	-5%	17.759	-3%	15.294	0%
HFB #9 (0.001)		0.1X (0.0001)	High	166%	-3.16	2%	9.623	0%	12.395	0%	11.986	0%	1.949	-24%	11.669	2%	16.303	3%	16.188	4%	-14.665	47%	16.007	32%	23.612	29%	18.507	21%
		10X (0.01)	High	119%	-3.022	-2%	9.614	0%	12.416	0%	12.043	0%	3.167	23%	11.281	-2%	15.353	-3%	15.024	-3%	-5.266	-47%	10.359	-14%	15.178	-17%	14.235	-7%
HFB #10 and HFB #19 (1.0E-6 to 1.0E-2)		0.1X	Low	9%	-3.091	0%	9.618	0%	12.404	0%	12.014	0%	2.552	-1%	11.461	0%	15.784	0%	15.578	0%	-10.408	4%	12.427	3%	18.454	1%	15.239	0%
		10X	Low	25%	-3.084	0%	9.618	0%	12.406	0%	12.018	0%	2.639	3%	11.445	0%	15.741	0%	15.52	0%	-8.844	-11%	11.331	-6%	17.66	-3%	15.287	0%
HFB #73 (1.0E-7)		0.1X (1.0E-8)	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.986	0%	12.104	0%	18.24	0%	15.264	0%
		10X (1.0E-6)	Low	0%	-3.091	0%	9.618	0%	12.405	0%	12.014	0%	2.571	0%	11.456	0%	15.772	0%	15.563	0%	-9.977	0%	12.101	0%	18.236	0%	15.265	0%
HFB #98 (1.1E-4)		0.1X (1.1E-5)	Low	3%	-3.087	0%	9.618	0%	12.406	0%	12.016	0%	2.603	1%	11.45	0%	15.759	0%	15.544	0%	-9.914	-1%	12.076	0%	18.278	0%	15.357	1%
		10X (1.1E-3)	Low	2%	-3.092	0%	9.618	0%	12.404	0%	12.014	0%	2.553	-1%	11.462	0%	15.78	0%	15.573	0%	-9.98	0%	12.083	0%	18.167	0%	15.18	-1%
HFB #98 (1.1E-5)		0.1X (1.1E-6)	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.103	0%	18.235	0%	15.259	0%
		10X (1.1E-4)	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.569	0%	11.459	0%	15.777	0%	15.568	0%	-9.991	0%	12.11	0%	18.274	0%	15.302	0%
Surface Recharge from Appiled Water	Fillmore basin only	0.5X	Low	12%	-3.046	-1%	9.617	0%	12.415	0%	12.037	0%	2.777	8%	11.533	1%	15.856	1%	15.613	0%	-9.952	0%	12.088	0%	18.223	0%	15.266	0%
		1.5X	Low	12%	-3.133	1%	9.619	0%	12.395	0%	11.994	0%	2.369	-8%	11.387	-1%	15.699	0%	15.521	0%	-10.018	0%	12.12	0%	18.256	0%	15.263	0%
	Piru basin only	0.5X	Low	14%	-2.793	-10%	9.498	-1%	12.323	-1%	12.004	0%	2.618	2%	11.476	0%	15.796	0%	15.58	0%	-9.979	0%	12.101	0%	18.236	0%	15.264	0%
		1.5X	Low	14%	-3.383	9%	9.743	1%	12.494	1%	12.028	0%	2.527	-2%	11.44	0%	15.755	0%	15.553	0%	-9.99	0%	12.107	0%	18.243	0%	15.264	0%
	Santa Paula basin only	0.5X	Medium	47%	-3.078	0%	9.618	0%	12.407	0%	12.02	0%	2.74	7%	11.426	0%	15.706	0%	15.467	-1%	-7.88	-21%	10.715	-11%	17.168	-6%	15.253	0%
		1.5X	Medium	41%	-3.099	0%	9.619	0%	12.403	0%	12.011	0%	2.434	-5%	11.491	0%	15.84	0%	15.653	1%	-11.722	17%	13.419	11%	19.298	6%	15.331	0%
Surface Recharge from Precipitation	Fillmore basin only	0.5X	High	59%	-2.921	-5%	9.609	0%	12.434	0%	12.087	1%	3.601	40%	11.693	2%	16.052	2%	15.645	1%	-9.508	-5%	11.889	-2%	18	-1%	15.285	0%
		1.5X	High	55%	-3.251	5%	9.629	0%	12.38	0%	11.947	-1%	1.58	-39%	11.305	-1%	15.592	-1%	15.514	0%	-10.449	5%	12.326	2%	18.483	1%	15.246	0%
	Piru basin only	0.5X	High	66%	-1.671	-46%	9.185	-5%	12.182	-2%	12.068	0%	2.827	10%	11.566	1%	15.903	1%	15.651	1%	-9.95	0%	12.086	0%	18.218	0%	15.262	0%
		1.5X	High	63%	-4.412	43%	10.154	6%	12.812	3%	12.03	0%	2.337	-9%	11.363	-1%	15.666	-1%	15.492	0%	-10.017	0%	12.121	0%	18.259	0%	15.266	0%
	Santa Paula basin only	0.5X	High	62%	-3.065	-1%	9.616	0%	12.407	0%	12.024	0%	2.86	11%	11.381	-1%	15.609	-1%	15.347	-1%	-7.371	-26%	10.59	-13%	16.896	-7%	15.204	0%
		1.5X	High	57%	-3.11	1%	9.62	0%	12.403	0%	12.008	0%	2.325	-10%	11.536	1%	15.931	1%	15.763	1%	-12.198	22%	13.729	13%	19.635	8%	15.387	1%
Surface Recharge from Pumped Water	Fillmore basin only	0.5X	High	112%	-2.282	-26%	9.639	0%	12.673	2%	12.467	4%	4.184	63%	12.009	5%	16.457	4%	15.918	2%	-9.623	-4%	11.941	-1%	18.063	-1%	15.287	0%
		1.5X	High	96%	-3.766	22%	9.644	0%	12.27	-1%	11.679	-3%	1.104	-57%	11.149	-3%	15.375	-3%	15.337	-1%	-10.322	3%	12.263	1%	18.41	1%	15.244	0%
	Piru basin only	0.5X	High	68%	-1.626	-47%	9.166	-5%	12.213	-2%	12.105	1%	2.852	11%	11.575	1%	15.913	1%	15.657	1%	-9.951	0%	12.087	0%	18.219	0%	15.262	0%
		1.5X	High	68%	-4.506	46%	10.202	6%	12.807	3%	11.99	0%	2.307	-10%	11.355	-1%	15.657	-1%	15.488	-1%	-10.017	0%	12.121	0%	18.259	0%	15.266	0%
	Santa Paula basin only	0.5X	Medium	26%	-3.082	0%	9.618	0%	12.406	0%	12.018	0%	2.688	5%	11.436	0%	15.731	0%	15.502	0%	-8.868	-11%	11.381	-6%	17.665	-3%	15.279	0%
		1.5X	Low	25%	-3.097	0%	9.618	0%	12.403	0%	12.012	0%	2.462	-4%	11.482	0%	15.82	0%	15.629	0%	-11.013	10%	12.822	6%	18.82	3%	15.262	0%
STR Conductance for Piru Creek		0.1X	High	312%	4.911	-259%	8.934	-7%	12.592	2%	11.596	-3%	3.419	33%	11.81	3%	16.166	2%	15.802	2%	-9.924	-1%	12.077	0%	18.198	0%	15.254	0%
		10X	High	619%	-15.017	386%	18.004	87%	21.076	70%	14.789	23%	1.425	-45%	11.078	-3%	15.374	-3%	15.31	-2%	-10.001	0%	12.103	0%	18.265	0%	15.284	0%
STR Conductance for Sespe Creek		0.1X	High	120%	-2.694	-13%	9.601	0%	12.487	1%	12.194	1%	4.637	80%	12.55	10%	16.963	8%	16.319	5%	-9.815	-2%	12.024	-1%	18.137	-1%	15.253	0%
		10X	High	215%	-3.923	27%	9.689	1%	12.324	-1%	11.684	-3%	-1.855	-172%	11.096	-3%	15.539	-1%	15.43	-1%	-10.331	3%	12.286	2%	18.462	1%	15.301	0%
STR Conductance for Santa Paula Creek		0.1X	Low	4%	-3.093	0%	9.618	0%	12.404	0%	12.014	0%	2.541	-1%	11.469	0%	15.799	0%	15.595	0%	-10.075	1%	12.161	0%	18.307	0%	15.286	0%
		10X	Low	19%	-3.098	0%	9.619	0%	12.404	0%	12.012	0%	2.426	-6%	11.499	0%	15.838	0%	15.653	1%	-10.665	7%	12.487	3%	18.599	2%	15.238	0%
STR Conductance for Santa Clara River	Piru basin only	0.1X	High	4181%	69.362	-2345%	69.586	623%	72.397	484%	20.744	73%	14.877	478%	19.646	71%	24.975	58%	20.063	29%	-8.799	-12%	11.591	-4%	17.605	-3%	15.249	0%
		10X	High	633%	-15.7	408%	19.201	100%	22.618	82%	16.283	36%	2.486	-3%	11.386	-1%	15.637	-1%	15.44	-1%	-9.892	-1%	12.049	0%	18.204	0%	15.282	0%
	Fillmore basin only	0.1X	Low	24%	-3.153	2%	9.665	0%	12.46	0%	12.055	0%	2.758	7%	11.858	3%	16.152	2%	15.916	2%	-10.284	3%	12.243	1%	18.383	1%	15.238	0%
		10X	High	130%	-3.457	12%	9.562	-1%	12.247	-1%	11.75	-2%	0.334	-87%	10.353	-10%	14.681	-7%	14.679	-6%	-9.689	-3%	11.963	-1%	18.111	-1%	15.302	0%
	Santa Paula basin only	0.1X	Low	22%	-3.083	0%	9.617	0%	12.405	0%	12.017	0%	2.728	6%	11.431	0%	15.736	0%	15.5	0%	-9.128	-9%	11.743	-3%	17.924	-2%	15.426	1%
		10X	High	75%	-3.118	1%	9.619	0%	12.399	0%	12.002	0%	1.994	-22%	11.616	1%	15.982	1%	15.859	2%	-12.384	24%	13.67	13%	19.795	9%	15.443	1%
	Oxnard and Mound basins only	0.1X	Low	2%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.577	0%	11.457	0%	15.772	0%	15.562	0%	-9.919	-1%	12.062	0%	18.195	0%	15.254	0%
		10X	Low	3%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.563	0%	11.461	0%	15.782	0%	15.574	0%	-10.123	1%	12.197	1%	18.329	0%	15.28	0%
Model Layer 1	Zone 31 (1200 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		10X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 32 (1200 Ft/day)	0.1X	Medium	36%	-3.956	28%	9.954	3%	12.639	2%	12.005	0%	2.531	-2%	11.432	0%	15.757	0%	15.554	0%	-9.995	0%	12.109	0%	18.246	0%	15.265	0%
		10X	Low	17%	-2.646	-14%	9.464	-2%	12.305	-1%	12.018	0%	2.565	0%	11.469	0%	15.781	0%	15.572	0%	-9.983	0%	12.103	0%	18.238	0%	15.264	0%
	Zone 33 (600 ft/day)	0.1X	Medium	46%	-4.02	30%	9.958	4%	12.628	2%	11.972	0%	2.417	-6%	11.245	-2%	15.625	-1%	15.439	-1%	-9.925	-1%	12.079	0%	18.215	0%	15.274	0%
		10X	Medium	36%	-2.483	-20%	9.451	-2%	12.336	-1%	12.085	1%	2.707	5%	11.788	3%	15.995	1%	15.766	1%	-10.121	1%	12.165	1%	18.301	0%	15.248	0%
	Zone 34 (200 Ft/day)	0.1X	Low	12%	-3.112	1%	9.619	0%	12.4	0%	12.004	0%	2.339	-9%	11.492	0%	15.767	0%	15.594	0%	-10.041	1%	12.139	0%	18.28	0%	15.276	0%
		10X	Medium	34%	-3.027	-2%	9.616	0%	12.419	0%	12.045	0%	3.216	25%	11.379	-1%	15.787	0%	15.458	-1%	-9.714	-3%	11.975	-1%	18.091	-1%	15.262	0%
	Zone 35 (200 ft/day)	0.1X	Low	5%	-3.087	0%	9.618	0%	12.406	0%	12.017	0%	2.625	2%	11.457	0%	15.766	0%	15.548	0%	-9.843	-1%	12.039	-1%	18.18	0%	15.285	0%
		10X	Low	2%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.557	-1%	11.456	0%	15.777	0%	15.57	0%	-10.035	1%	12.17	1%	18.283	0%	15.283	0%
	Zone 36 (200 ft/day)	0.1X	Low	6%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.567	0%	11.459	0%	15.777	0%	15.568	0%	-9.555	-4%	12.108	0%	18.233	0%	15.529	2%
		10X	Low	6%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.458	0%	15.775	0%	15.565	0%	-10.319	3%	12.303	2%	18.36	1%	15.186	-1%
	Zone 37 (200 ft/day)	0.1X	Low	5%	-3.098	0%	9.619	0%	12.404	0%	12.012	0%	2.577	0%	11.399	-1%	15.704	0%	15.492	0%	-9.829	-2%	12.034	-1%	18.173	0%	15.286	0%
		10X	Low	7%	-3.07	-1%	9.619	0%	12.412	0%	12.027	0%	2.605	1%	11.586	1%	15.908	1%	15.695	1%	-10.103	1%	12.157	0%	18.29	0%	15.247	0%
	Zone 39 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
		10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
Model Layer 2	Zone 31 (0.1 ft/day)	0.1X	Low	0%	-3.082	0%	9.614	0%	12.402	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		10X	Low	0%	-3.093	0%	9.62	0%	12.406	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 32 (0.1 ft/day)	0.1X	Low	11%	-3.255	5%	9.771	2%	12.565	1%	12.137	1%	2.54	-1%	11.445	0%	15.779	0%	15.575	0%	-9.998	0%	12.11	0%	18.246	0%	15.263	0%
		10X	Low	19%	-2.653	-14%	9.472	-2%	12.299	-1%	12.011	0%	2.63	2%	11.485	0%	15.796	0%	15.577	0%	-9.978	0%	12.101	0%	18.235	0%	15.263	0%
	Zone 33 (0.1 ft/day)	0.1X	High	118%	-1.661	-46%	9.605	0%	12.755	3%	12.647	5%	3.863	50%	12.005	5%	16.386	4%	15.926	2%	-9.863	-1%	12.046	0%	18.167	0%	15.257	0%
		10X	Medium	48%	-3.655	18%	9.614	0%	12.314	-1%	11.76	-2%	1.98	-23%	11.33	-1%	15.582	-1%	15.457	-1%	-10.047	1%	12.134	0%	18.277	0%	15.268	0%
	Zone 34 (0.1 ft/day)	0.1X	Medium	46%	-3.147	2%	9.621	0%	12.395	0%	11.99	0%	1.884	-27%	11.632	2%	15.933	1%	15.823	2%	-10.761	8%	12.469	3%	18.623	2%	15.2	0%
		10X	Medium	49%	-3.027	-2%	9.615	0%	12.416	0%	12.043	0%	3.321	29%	11.316	-1%	15.666	-1%	15.312	-2%	-9.123	-9%	11.743	-3%	17.857	-2%	15.351	1%
	Zone 35 (0.1 ft/day)	0.1X	Low	5%	-3.086	0%	9.618	0%	12.406	0%	12.017	0%	2.637	3%	11.453	0%	15.762	0%	15.541	0%	-9.858	-1%	12.076	0%	18.19	0%	15.288	0%
		10X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.556	-1%	11.46	0%	15.779	0%	15.573	0%	-10.015	0%	12.111	0%	18.251	0%	15.258	0%
	Zone 36 (0.1 ft/day)	0.1X	Low	4%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.559	-1%	11.462	0%	15.783	0%	15.576	0%	-10.16	2%	12.246	1%	18.34	1%	15.269	0%
		10X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.575	0%	11.457	0%	15.774	0%	15.564	0%	-9.939	0%	12.068	0%	18.215	0%	15.264	0%
	Zone 37 (100ft/day)	0.1X	Low	0%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.575	0%	11.456	0%	15.774	0%	15.564	0%	-9.969	0%	12.097	0%	18.233	0%	15.267	0%
		10X	Low	2%	-3.085	0%	9.617	0%	12.405	0%	12.017	0%	2.568	0%	11.472	0%	15.787	0%	15.579	0%	-10.047	1%	12.131	0%	18.263	0%	15.251	0%
	Zone 39 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 26 (600 ft/day)	0.1X	High	116%	-3.695	20%	9.665	0%	12.329	-1%	11.763	-2%	0.66	-74%	10.472	-9%	14.989	-5%	14.976	-4%	-9.914	-1%	12.078	0%	18.223	0%	15.291	0%
		10X	High	281%	-1.757	-43%	9.604	0%	12.745	3%	12.625	5%	6.599	157%	15.391	34%	19.05	21%	17.873	15%	-10.169	2%	12.18	1%	18.293	0%	15.206	0%
	Zone 31 (1200 ft/day)	0.1X	High	174%	0.483	-116%	9.263	-4%	13.799	11%	13.792	15%	3.156	23%	11.705	2%	16.059	2%	15.748	1%	-9.912	-1%	12.067	0%	18.195	0%	15.259	0%
		10X	High	97%	-4.236	37%	11.405	19%	14.096	14%	13.446	12%	2.256	-12%	11.344	-1%	15.65	-1%	15.488	-1%	-10.032	0%	12.13	0%	18.267	0%	15.266	0%
	Zone 32 (1200 ft/day)	0.1X	High	609%	-14.395	366%	18.511	92%	21.646	74%	16.167	35%	3.443	34%	11.828	3%	16.105	2%	15.735	1%	-9.893	-1%	12.054	0%	18.187	0%	15.262	0%

Table 5-1. Sensitivity Analysis -- Residual Statistics
units: Feet

Parameters			Multiplier	Sensitivity	absolute diff. sum	Piru basin								Fillmore basin								Santa Paula basin					
						RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)
						Default = -3.09		9.618		Default = 12.405		Default = 12.015		Default = 2.572		Default = 11.458		Default = 15.775		Default = 15.566		Default = -9.985		Default = 12.104		Default = 18.239		Default = 15.264	
Horizontal Hydraulic Conductivity	Model Layer 3	Zone 32 (1200 ft/day)	10X	High	1325%	26.771	-966%	27.806	189%	30.208	144%	13.995	16%	2.361	-8%	11.505	0%	15.803	0%	15.628	0%	-10.002	0%	12.119	0%	18.25	0%	15.265	0%
		Zone 33 (400 ft/day)	0.1X	High	137%	-6.011	95%	10.555	10%	12.993	5%	11.52	-4%	2.178	-15%	11.214	-2%	15.545	-1%	15.394	-1%	-9.73	-3%	12	-1%	18.143	-1%	15.314	0%
			10X	High	1047%	13.46	-536%	16.215	69%	21.103	70%	16.254	35%	8.485	230%	16.545	44%	20.906	33%	19.108	23%	-10.453	5%	12.298	2%	18.371	1%	15.108	-1%
		Zone 34 (100 ft/day)	0.1X	Medium	37%	-3.103	0%	9.617	0%	12.399	0%	12.006	0%	2.818	10%	11.579	1%	15.721	0%	15.468	-1%	-8.416	-16%	11.565	-4%	17.75	-3%	15.628	2%
			10X	High	140%	-3.09	0%	9.627	0%	12.42	0%	12.031	0%	1.609	-37%	12.349	8%	17.017	8%	16.943	9%	-14.145	42%	14.675	21%	20.508	12%	14.85	-3%
		Zone 35 (100 ft/day)	0.1X	Medium	43%	-3.111	1%	9.619	0%	12.401	0%	12.005	0%	2.301	-11%	11.57	1%	15.873	1%	15.707	1%	-8.36	-16%	11.267	-7%	17.917	-2%	15.847	4%
			10X	High	127%	-2.975	-4%	9.613	0%	12.427	0%	12.067	0%	4.734	84%	11.764	3%	15.869	1%	15.148	-3%	-10.069	1%	14.163	17%	19.37	6%	16.547	8%
		Zone 36 (100 ft/day)	0.1X	Low	18%	-3.093	0%	9.618	0%	12.404	0%	12.013	0%	2.522	-2%	11.469	0%	15.798	0%	15.597	0%	-10.806	8%	12.732	5%	18.689	2%	15.249	0%
			10X	High	60%	-3.078	0%	9.618	0%	12.407	0%	12.02	0%	2.752	7%	11.426	0%	15.708	0%	15.466	-1%	-7.074	-29%	10.35	-14%	16.977	-7%	15.434	1%
		Zone 37 (100 ft/day)	0.1X	Low	2%	-3.092	0%	9.618	0%	12.404	0%	12.013	0%	2.598	1%	11.464	0%	15.786	0%	15.572	0%	-9.921	-1%	12.082	0%	18.229	0%	15.293	0%
			10X	Low	6%	-3.074	-1%	9.618	0%	12.408	0%	12.022	0%	2.507	-3%	11.465	0%	15.774	0%	15.575	0%	-10.141	2%	12.169	1%	18.294	0%	15.226	0%
		Zone 38 (100 ft/day)	0.1X	Low	21%	-3.092	0%	9.618	0%	12.404	0%	12.014	0%	2.53	-2%	11.467	0%	15.794	0%	15.591	0%	-10.96	10%	12.864	6%	18.752	3%	15.216	0%
			10X	Low	16%	-3.087	0%	9.618	0%	12.405	0%	12.016	0%	2.608	1%	11.451	0%	15.76	0%	15.545	0%	-9.23	-8%	11.564	-4%	17.887	-2%	15.322	0%
		Zone 39 (10 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.775	0%	15.566	0%	-9.978	0%	12.099	0%	18.232	0%	15.26	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.459	0%	15.775	0%	15.566	0%	-9.995	0%	12.113	0%	18.253	0%	15.273	0%
	Model Layer 4	Zone 26 (400 ft/day)	0.1X	Low	1%	-3.093	0%	9.618	0%	12.404	0%	12.013	0%	2.56	0%	11.45	0%	15.769	0%	15.561	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	6%	-3.061	-1%	9.617	0%	12.41	0%	12.028	0%	2.661	3%	11.526	1%	15.828	0%	15.604	0%	-9.989	0%	12.106	0%	18.24	0%	15.263	0%
		Zone 31 (1000 ft/day)	0.1X	Low	1%	-3.066	-1%	9.615	0%	12.415	0%	12.031	0%	2.577	0%	11.46	0%	15.777	0%	15.567	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	9%	-3.265	6%	9.658	0%	12.351	0%	11.913	-1%	2.529	-2%	11.443	0%	15.76	0%	15.558	0%	-9.991	0%	12.107	0%	18.243	0%	15.264	0%
		Zone 32 (1000 ft/day)	0.1X	Low	6%	-3.228	4%	9.699	1%	12.474	1%	12.05	0%	2.579	0%	11.46	0%	15.778	0%	15.567	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	High	59%	-1.782	-42%	8.911	-7%	11.845	-5%	11.711	-3%	2.526	-2%	11.444	0%	15.762	0%	15.56	0%	-9.99	0%	12.107	0%	18.243	0%	15.264	0%
		Zone 33 (200 ft/day)	0.1X	Low	8%	-3.197	3%	9.633	0%	12.397	0%	11.979	0%	2.657	3%	11.484	0%	15.8	0%	15.577	0%	-9.98	0%	12.102	0%	18.237	0%	15.265	0%
			10X	High	61%	-2.209	-29%	9.539	-1%	12.528	1%	12.333	3%	1.943	-24%	11.317	-1%	15.627	-1%	15.508	0%	-10.024	0%	12.122	0%	18.258	0%	15.26	0%
		Zone 34 (100 ft/day)	0.1X	Low	2%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.59	1%	11.459	0%	15.77	0%	15.558	0%	-9.902	-1%	12.073	0%	18.209	0%	15.282	0%
			10X	Low	19%	-3.088	0%	9.619	0%	12.406	0%	12.017	0%	2.414	-6%	11.487	0%	15.856	1%	15.673	1%	-10.643	7%	12.378	2%	18.508	1%	15.143	-1%
		Zone 35 (1 ft/day)	0.1X	High	59%	-3.073	-1%	9.617	0%	12.408	0%	12.022	0%	2.777	8%	11.385	-1%	15.662	-1%	15.415	-1%	-7.604	-24%	10.138	-16%	16.951	-7%	15.151	-1%
			10X	Low	10%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.465	0%	15.79	0%	15.58	0%	-10.312	3%	12.486	3%	18.551	2%	15.422	1%
		Zone 36 (1 ft/day)	0.1X	Low	4%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.565	0%	11.461	0%	15.779	0%	15.571	0%	-10.148	2%	12.251	1%	18.335	1%	15.272	0%
			10X	Low	9%	-3.088	0%	9.618	0%	12.405	0%	12.016	0%	2.593	1%	11.453	0%	15.766	0%	15.553	0%	-9.57	-4%	11.811	-2%	18.033	-1%	15.284	0%
		Zone 37 (100 ft/day)	0.1X	Low	0%	-3.093	0%	9.618	0%	12.405	0%	12.014	0%	2.565	0%	11.455	0%	15.774	0%	15.566	0%	-9.98	0%	12.102	0%	18.238	0%	15.266	0%
			10X	Low	2%	-3.084	0%	9.618	0%	12.406	0%	12.017	0%	2.566	0%	11.468	0%	15.782	0%	15.573	0%	-10.042	1%	12.128	0%	18.26	0%	15.251	0%
		Zone 38 (1 ft/day)	0.1X	Low	5%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.555	-1%	11.461	0%	15.782	0%	15.576	0%	-9.984	0%	12.338	2%	18.394	1%	15.448	1%
			10X	Low	3%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.458	0%	15.775	0%	15.565	0%	-10.152	2%	12.176	1%	18.286	0%	15.209	0%
		Zone 39 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.99	0%	12.108	0%	18.244	0%	15.267	0%
	Model Layer 5	Zone 26 (400 ft/day)	0.1X	High	100%	-3.618	17%	9.653	0%	12.326	-1%	11.785	-2%	0.974	-62%	10.484	-9%	15.006	-5%	14.976	-4%	-9.918	-1%	12.079	0%	18.223	0%	15.288	0%
			10X	High	281%	-1.745	-44%	9.61	0%	12.759	3%	12.64	5%	6.578	156%	15.379	34%	19.074	21%	17.905	15%	-10.165	2%	12.178	1%	18.29	0%	15.206	0%
		Zone 31 (1000 ft/day)	0.1X	Medium	27%	-2.573	-17%	9.539	-1%	12.58	1%	12.315	2%	2.68	4%	11.499	0%	15.82	0%	15.593	0%	-9.97	0%	12.096	0%	18.231	0%	15.263	0%
			10X	Low	11%	-3.257	5%	9.702	1%	12.373	0%	11.937	-1%	2.502	-3%	11.435	0%	15.752	0%	15.554	0%	-9.997	0%	12.111	0%	18.246	0%	15.264	0%
		Zone 32 (1000 ft/day)	0.1X	High	716%	-16.002	418%	20.175	110%	23.488	89%	17.196	43%	3.729	45%	11.945	4%	16.236	3%	15.804	2%	-9.868	-1%	12.043	-1%	18.171	0%	15.259	0%
			10X	High	2034%	39.748	-1386%	40.548	322%	43.882	254%	18.596	55%	2.161	-16%	11.428	0%	15.699	0%	15.551	0%	-10.016	0%	12.127	0%	18.259	0%	15.267	0%
		Zone 33 (200 ft/day)	0.1X	High	116%	-5.107	65%	10.04	4%	12.536	1%	11.449	-5%	1.876	-27%	10.999	-4%	15.313	-3%	15.199	-2%	-9.717	-3%	11.998	-1%	18.143	-1%	15.322	0%
			10X	High	1080%	14.614	-573%	17.549	82%	23.191	87%	18.008	50%	7.267	183%	16.089	40%	20.643	31%	19.324	24%	-10.563	6%	12.349	2%	18.423	1%	15.094	-1%
		Zone 34 (100 ft/day)	0.1X	High	52%	-3.107	1%	9.616	0%	12.397	0%	12.002	0%	2.878	12%	11.452	0%	15.594	-1%	15.328	-2%	-7.664	-23%	11.326	-6%	17.554	-4%	15.793	3%
			10X	High	155%	-3.066	-1%	9.628	0%	12.429	0%	12.046	0%	1.665	-35%	12.566	10%	17.297	10%	17.218	11%	-14.618	46%	15.112	25%	20.85	14%	14.868	-3%
		Zone 35 (100 ft/day)	0.1X	High	79%	-3.128	1%	9.62	0%	12.397	0%	11.998	0%	2.018	-22%	11.606	1%	15.938	1%	15.812	2%	-7.179	-28%	10.163	-16%	16.957	-7%	15.363	1%
			10X	High	234%	-2.911	-6%	9.612	0%	12.442	0%	12.097	1%	5.817	126%	12.109	6%	16.232	3%	15.155	-3%	-11.176	12%	16.841	39%	21.54	18%	18.415	21%
		Zone 36 (100 ft/day)	0.1X	High	56%	-3.105	0%	9.619	0%	12.402	0%	12.008	0%	2.363	-8%	11.511	0%	15.88	1%	15.705	1%	-12.017	20%	13.781	14%	19.778	8%	15.71	3%
			10X	High	88%	-3.067	-1%	9.617	0%	12.409	0%	12.025	0%	2.933	14%	11.401	0%	15.651	-1%	15.375	-1%	-5.788	-42%	9.899	-18%	16.534	-9%	15.488	1%
		Zone 37 (100 ft/day)	0.1X	Low	23%	-3.036	-2%	9.614	0%	12.412	0%	12.036	0%	2.953	15%	11.628	1%	15.94	1%	15.666	1%	-9.838	-1%	12.037	-1%	18.18	0%	15.288	0%
			10X	Low	16%	-3.077	0%	9.619	0%	12.409	0%	12.023	0%	2.318	-10%	11.386	-1%	15.69	-1%	15.52	0%	-10.211	2%	12.206	1%	18.326	0%	15.219	0%
		Zone 38 (100 ft/day)	0.1X	Medium	28%	-3.094	0%	9.618	0%	12.404	0%	12.013	0%	2.514	-2%	11.471	0%	15.801	0%	15.602	0%	-11.249	13%	13.113	8%	18.919	4%	15.213	0%
			10X	Low	18%	-3.087	0%	9.618	0%	12.405	0%	12.016	0%	2.612	2%	11.45	0%	15.759	0%	15.542	0%	-9.148	-8%	11.547	-5%	17.872	-2%	15.354	1%
		Zone 39 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.103	0%	18.238	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.991	0%	12.109	0%	18.245	0%	15.267	0%
	Model Layer 6	Zone 31 (1 ft/day)	0.1X	Low	11%	-2.874	-7%	9.505	-1%	12.289	-1%	11.949	-1%	2.591	1%	11.464	0%	15.782	0%	15.569	0%	-9.981	0%	12.102	0%	18.237	0%	15.264	0%
			10X	Low	2%	-3.127	1%	9.637	0%	12.429	0%	12.031	0%	2.568	0%	11.457	0%	15.774	0%	15.565	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
		Zone 32 (1 ft/day)	0.1X	Low	25%	-2.974	-4%	9.854	2%	12.683	2%	12.33	3%	2.859	11%	11.561	1%	15.871	1%	15.613	0%	-9.949	0%	12.086	0%	18.217	0%	15.26	0%
			10X	Low	14%	-3.063	-1%	9.422	-2%	12.206	-2%	11.817	-2%	2.405	-6%	11.399	-1%	15.722	0%	15.539	0%	-10.005	0%	12.114	0%	18.253	0%	15.267	0%
		Zone 33 (1 ft/day)	0.1X	Low	24%	-2.685	-13%	9.855	2%	12.841	4%	12.558	5%	2.564	0%	11.477	0%	15.794	0%	15.587	0%	-9.985	0%	12.104	0%	18.238	0%	15.263	0%
			10X	Medium	27%	-3.506	13%	9.439	-2%	12.131	-2%	11.615	-3%	2.434	-5%	11.453	0%	15.776	0%	15.588	0%	-10.005	0%	12.114	0%	18.253	0%	15.267	0%
		Zone 34 (1 ft/day)	0.1X	Low	14%	-3.116	1%	9.62	0%	12.401	0%	12.004	0%	2.355	-8%	11.555	1%	15.902	1%	15.728	1%	-10.037	1%	12.163	0%	18.317	0%	15.322	0%
			10X	Low	4%	-3.08	0%	9.618	0%	12.406	0%	12.019	0%	2.633	2%	11.421	0%	15.728	0%	15.507	0%	-10.018	0%	12.098	0%	18.227	0%	15.227	0%
		Zone 35 (1 ft/day)	0.1X	Low	5%	-3.091	0%	9.618	0%	12.404	0%	12.014	0%	2.584	0%	11.459	0%	15.779	0%	15.567	0%	-9.75	-2%	11.933	-1%	18.154	0%	15.314	0%
			10X	Low	6%	-3.084	0%	9.618	0%	12.406	0%	12.017	0%	2.631	2%	11.428	0%	15.734	0%	15.514	0%	-10.1	1%	12.182	1%	18.303	0%	15.264	0%
		Zone 36 (0.1 ft/day)	0.1X	Medium	31%	-3.105	0%	9.619	0%	12.402	0%	12.009	0%	2.419	-6%	11.505	0%	15.882	1%	15.698	1%	-10.969	10%	12.815	6%	19.076	5%	15.607	2%
			10X	Low	13%	-3.085	0%	9.618	0%	12.405	0%	12.017	0%	2.623	2%	11.446	0%	15.748	0%	15.53	0%	-9.405	-6%	11.722	-3%	17.918	-2%	15.251	0%
		Zone 37 (1 ft/day)	0.1X	Low	4%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.656	3%	11.472	0%	15.772	0%	15.549	0%	-9.952	0%	12.093	0%	18.232	0%	15.277	0%
			10X	Low	1%	-3.086	0%	9.618	0%	12.405	0%	12.016	0%	2.587	1%	11.458	0%	15.77	0%	15.558	0%	-10.002	0%	12.11	0%	18.242	0%	15.256	0%
		Zone 38 (0.01 ft/day)	0.1X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.457	0%	15.774	0%	15.564	0%	-10.025	0%	12.129	0%	18.239	0%	15.237	0%
			10X	Low	4%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.575	0%	11.458	0%	15.776	0%	15.566	0%	-9.779	-2%	11.983	-1%	18.206	0%	15.358	1%
		Zone 39 (0.1 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.99	0%	12.107	0%	18.243	0%	15.265	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
	Model Layer 7	Zone 31 (200 ft/day)	0.1X	Medium	32%	-2.452	-21%	9.435	-2%	12.481	1%	12.239	2%	2.716	6%	11.508	0%	15.826	0%	15.593	0%	-9.97	0%	12.096	0%	18.23	0%	15.263	0%
			10X	Medium	28%	-2.617	-15%	9.224	-4%	11.949	-4%	11.66	-3%	2.532	-2%	11.444	0%	15.761	0%	15.558	0%	-9.991	0%	12.107	0%	18.243	0%	15.264	0%
		Zone 32 (200 ft/day)	0.1X	High	871%	-15.289	395%	21.503	124%	25.305	104%	20.166	68%	6.204	141%	13.309	16%	17.58	11%	16.45	6%	-9.641	-3%	11.935	-1%	18.032	-1%	15.238	0%
			10X	High	2042%	38.068	-1332%	39.12	307%	43.128	248%	20.272	69%	0.636	-75%	11.034	-4%	15.314	-3%	15.302	-2%	-10.167	2%	12.202	1%	18.357	1%	15.285	0%
		Zone 33 (100 ft/day)	0.1X	High	371%	-8.598	178%	13.057	36%	15.725	27%	13.167	10%	5.108	99%	12.049	5%	16.447	4%	15.636	0%	-9.232	-8%	11.797	-3%	17.925	-2%	15.366	1%
			10X	High	2342%	33.215	-1175%	34.287	256%	40.612	227%	23.37	95%	11.971	365%	21.641	89%	26.481	68%	23.624	52%	-10.84	9%	12.463	3%	18.47	1%	14.955	-2%
		Zone 34 (100 ft/day)	0.1X	High	110%	-3.106	1%	9.612	0%	12.39	0%	11.995	0%	3.442	34%	11.567	1%	15.427	-2%	15.04	-3%	-5.476	-45%	10.736	-11%	17.155	-6%	16.258	7%
			10X	High	169%	-3.06	-1%	9.632	0%	12.439	0%	12.058	0%	1.754	-32%	12.912	13%	18.025	14%	17.942	15%	-14.869	49%	15.355	27%	21.135	16%	15.021	-2%
		Zone 35 (50 ft/day)	0.1X	High	133%	-3.174	3%	9.622	0%	12.389	0%	11.977	0%	1.217	-53%	12.032	5%	16.441	4%	16.397	5%	-6.172	-38%	10.504	-13%	17.511	-4%	16.387	7%
			10X	High	339%	-2.805	-9%	9.609	0%	12.466	0%	12.147	1%	7.157	178%	12.532	9%	16.71	6%	15.101	-3%	-11.662	17%	18.758	55%	23.255	28%	20.12	32%
		Zone 36 (50 ft/day)	0.1X	Medium	37%	-3.106	1%	9.619	0%	12.402	0%	12.008	0%	2.35	-9%	11.514	0%	15.886	1%	15.713	1%	-9.791	-2%	13.224	9%	19.299	6%	16.631	9%
			10X	Medium	35%	-3.076	0%	9.617	0%	12.407	0%	12.021	0%	2.791	9%	11.418	0%	15.693	-1%	15.445	-1%	-8.557	-14%	11.388	-6%	17.727	-3%	15.525	2%
		Zone 37 (5 ft/day)	0.1X	Low	20%	-3.163	2%	9.629	0%	12.404	0%	11.995	0%	2.547	-1%	11.493	0%	15.879	1%	15.675	1%	-9.194	-8%	11.73	-3%	18.286	0%	15.808	4%
			10X	Medium	48%	-2.859	-7%	9.606	0%	12.447	0%	12.115	1%	2.982	16%	11.777	3%	15.893	1%	15.613	0%	-11.011	10%	12.723	5%	18.541	2%	14.917	-2%

Table 5-1. Sensitivity Analysis -- Residual Statistics
units: Feet

Parameters			Multiplier	Sensitivity	absolute diff. sum	Piru basin								Fillmore basin								Santa Paula basin					
						RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)
						Default = -3.09		9.618		Default = 12.405		Default = 12.015		Default = 2.572		Default = 11.458		Default = 15.775		Default = 15.566		Default = -9.985		Default = 12.104		Default = 18.239		Default = 15.264	
	Model Layer 8	Zone 38 (20 ft/day)	0.1X	Low	14%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.548	-1%	11.46	0%	15.776	0%	15.571	0%	-10.614	6%	12.689	5%	18.501	1%	15.154	-1%
			10X	Low	9%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.591	1%	11.457	0%	15.775	0%	15.562	0%	-9.621	-4%	11.952	-1%	18.409	1%	15.696	3%
		Zone 39 (5 ft/day)	0.1X	Low	1%	-3.094	0%	9.619	0%	12.405	0%	12.014	0%	2.562	0%	11.449	0%	15.773	0%	15.565	0%	-9.945	0%	12.08	0%	18.219	0%	15.267	0%
			10X	Low	1%	-3.088	0%	9.618	0%	12.405	0%	12.016	0%	2.577	0%	11.463	0%	15.776	0%	15.566	0%	-10.004	0%	12.119	0%	18.255	0%	15.27	0%
		Zone 31 (0.01 ft/day)	0.1X	Low	8%	-3.128	1%	9.862	3%	12.646	2%	12.254	2%	2.583	0%	11.46	0%	15.777	0%	15.565	0%	-9.981	0%	12.102	0%	18.237	0%	15.264	0%
			10X	Low	22%	-3.168	3%	8.941	-7%	11.81	-5%	11.379	-5%	2.519	-2%	11.446	0%	15.767	0%	15.566	0%	-9.999	0%	12.111	0%	18.249	0%	15.266	0%
		Zone 32 (0.01 ft/day)	0.1X	High	137%	-2.407	-22%	12.261	27%	16.637	34%	16.464	37%	2.888	12%	11.459	0%	15.73	0%	15.464	-1%	-9.85	-1%	12.034	-1%	18.146	-1%	15.241	0%
			10X	Medium	35%	-3.058	-1%	8.841	-8%	11.766	-5%	11.363	-5%	2.258	-12%	11.415	0%	15.775	0%	15.614	0%	-10.096	1%	12.162	0%	18.316	0%	15.282	0%
		Zone 33 (0.01 ft/day)	0.1X	Low	21%	-3.24	5%	9.615	0%	12.331	-1%	11.898	-1%	2.33	-9%	11.273	-2%	15.598	-1%	15.425	-1%	-9.893	-1%	12.065	0%	18.198	0%	15.274	0%
			10X	High	100%	-2.268	-27%	9.619	0%	12.68	2%	12.476	4%	3.876	51%	11.94	4%	15.931	1%	15.453	-1%	-9.465	-5%	11.815	-2%	17.82	-2%	15.099	-1%
		Zone 34 (0.01 ft/day)	0.1X	High	105%	-3.453	12%	9.652	0%	12.371	0%	11.88	-1%	1.112	-57%	11.716	2%	17.412	10%	17.378	12%	-9.972	0%	12.315	2%	18.85	3%	15.997	5%
			10X	High	106%	-2.607	-16%	9.585	0%	12.471	1%	12.196	2%	4.106	60%	11.161	-3%	14.803	-6%	14.224	-9%	-9.998	0%	11.872	-2%	17.547	-4%	14.421	-6%
		Zone 35 (0.01 ft/day)	0.1X	High	62%	-3.192	3%	9.626	0%	12.392	0%	11.975	0%	2.093	-19%	11.697	2%	16.581	5%	16.45	6%	-8.775	-12%	11.481	-5%	18.608	2%	16.409	8%
			10X	High	136%	-2.841	-8%	9.603	0%	12.443	0%	12.115	1%	3.792	47%	10.923	-5%	14.562	-8%	14.061	-10%	-12.498	25%	13.844	14%	17.945	-2%	12.878	-16%
		Zone 36 (0.01 ft/day)	0.1X	Low	19%	-3.115	1%	9.62	0%	12.401	0%	12.005	0%	2.377	-8%	11.527	1%	15.95	1%	15.773	1%	-10.043	1%	12.111	0%	18.795	3%	15.888	4%
			10X	High	83%	-2.973	-4%	9.611	0%	12.423	0%	12.063	0%	3.447	34%	11.158	-3%	15.087	-4%	14.689	-6%	-10.164	2%	12.402	2%	16.284	-11%	12.723	-17%
		Zone 37 (0.01 ft/day)	0.1X	Low	6%	-3.06	-1%	9.611	0%	12.4	0%	12.018	0%	2.545	-1%	11.383	-1%	15.805	0%	15.6	0%	-9.867	-1%	12.139	0%	18.113	-1%	15.19	0%
			10X	Medium	32%	-2.966	-4%	9.608	0%	12.419	0%	12.06	0%	2.699	5%	11.322	-1%	15.247	-3%	15.008	-4%	-10.731	7%	12.539	4%	18.407	1%	14.956	-2%
		Zone 38 (0.01 ft/day)	0.1X	Low	9%	-3.097	0%	9.618	0%	12.404	0%	12.012	0%	2.517	-2%	11.477	0%	15.823	0%	15.623	0%	-9.812	-2%	12.014	-1%	18.448	1%	15.623	2%
			10X	Medium	50%	-3.037	-2%	9.615	0%	12.413	0%	12.037	0%	2.987	16%	11.317	-1%	15.436	-2%	15.146	-3%	-10.56	6%	12.645	4%	17.304	-5%	13.708	-10%
		Zone 39 (0.01 ft/day)	0.1X	Low	2%	-3.085	0%	9.618	0%	12.405	0%	12.016	0%	2.567	0%	11.458	0%	15.752	0%	15.543	0%	-10.041	1%	12.122	0%	18.235	0%	15.222	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.457	0%	15.777	0%	15.568	0%	-9.976	0%	12.101	0%	18.24	0%	15.27	0%
	Model Layer 9	Zone 31 (100 ft/day)	0.1X	Low	3%	-3.064	-1%	9.693	1%	12.477	1%	12.096	1%	2.584	0%	11.461	0%	15.778	0%	15.567	0%	-9.983	0%	12.103	0%	18.238	0%	15.264	0%
			10X	Low	2%	-3.123	1%	9.588	0%	12.378	0%	11.979	0%	2.562	0%	11.455	0%	15.773	0%	15.566	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 32 (100 ft/day)	0.1X	High	101%	-5.355	73%	10.422	8%	13.161	6%	12.023	0%	2.845	11%	11.506	0%	15.801	0%	15.544	0%	-9.908	-1%	12.064	0%	18.187	0%	15.252	0%
			10X	High	198%	1.342	-143%	9.414	-2%	13.621	10%	13.556	13%	1.928	-25%	11.324	-1%	15.71	0%	15.593	0%	-10.157	2%	12.195	1%	18.359	1%	15.293	0%
		Zone 33 (100 ft/day)	0.1X	High	112%	-4.269	38%	9.777	2%	12.386	0%	11.628	-3%	2.25	-13%	10.311	-10%	14.129	-10%	13.951	-10%	-8.603	-14%	11.426	-6%	17.333	-5%	15.047	-1%
			10X	High	200%	-0.426	-86%	9.543	-1%	12.918	4%	12.912	7%	1.94	-25%	12.864	12%	18.193	15%	18.091	16%	-11.645	17%	13.043	8%	19.474	7%	15.61	2%
		Zone 34 (100 ft/day)	0.1X	High	130%	-3.705	20%	9.679	1%	12.352	0%	11.785	-2%	2.041	-21%	9.925	-13%	13.322	-16%	13.166	-15%	-7.858	-21%	11.01	-9%	16.674	-9%	14.706	-4%
			10X	High	94%	-2.62	-15%	9.587	0%	12.474	1%	12.197	2%	2.686	4%	12.61	10%	18.253	16%	18.056	16%	-11.401	14%	12.94	7%	19.424	6%	15.727	3%
		Zone 35 (50 ft/day)	0.1X	High	112%	-3.251	5%	9.631	0%	12.385	0%	11.951	-1%	1.554	-40%	11.736	2%	16.595	5%	16.523	6%	-8.74	-12%	10.974	-9%	15.561	-15%	12.875	-16%
			10X	High	101%	-2.945	-5%	9.608	0%	12.426	0%	12.073	0%	3.457	34%	11.182	-2%	15.128	-4%	14.729	-5%	-11.081	11%	13.156	9%	20.808	14%	17.613	15%
		Zone 36 (50 ft/day)	0.1X	Low	19%	-3.107	1%	9.619	0%	12.403	0%	12.008	0%	2.428	-6%	11.51	0%	15.906	1%	15.721	1%	-9.899	-1%	11.986	-1%	17.548	-4%	14.49	-5%
			10X	Low	11%	-3.08	0%	9.617	0%	12.406	0%	12.019	0%	2.656	3%	11.427	0%	15.7	0%	15.475	-1%	-10.023	0%	12.167	1%	18.658	2%	15.738	3%
		Zone 37 (5 ft/day)	0.1X	High	51%	-2.808	-9%	9.605	0%	12.45	0%	12.131	1%	3.093	20%	11.254	-2%	15.311	-3%	14.997	-4%	-9.879	-1%	11.935	-1%	17.497	-4%	14.442	-5%
			10X	High	55%	-3.254	5%	9.647	0%	12.415	0%	11.983	0%	2.22	-14%	11.868	4%	16.68	6%	16.533	6%	-10.403	4%	12.505	3%	19.277	6%	16.23	6%
		Zone 38 (20 ft/day)	0.1X	Low	20%	-3.11	1%	9.619	0%	12.402	0%	12.007	0%	2.404	-7%	11.516	1%	15.918	1%	15.737	1%	-10.324	3%	12.336	2%	18.685	2%	15.574	2%
			10X	Low	9%	-3.078	0%	9.617	0%	12.407	0%	12.02	0%	2.671	4%	11.425	0%	15.695	-1%	15.467	-1%	-9.825	-2%	12.004	-1%	18.138	-1%	15.247	0%
		Zone 39 (5 ft/day)	0.1X	Low	14%	-3.071	-1%	9.618	0%	12.409	0%	12.024	0%	2.716	6%	11.417	0%	15.678	-1%	15.443	-1%	-9.751	-2%	11.957	-1%	18.013	-1%	15.146	-1%
			10X	Low	11%	-3.102	0%	9.618	0%	12.402	0%	12.008	0%	2.488	-3%	11.484	0%	15.843	0%	15.648	1%	-10.21	2%	12.266	1%	18.477	1%	15.4	1%
	Model Layer 10	Zone 32 (100 ft/day)	0.1X	High	147%	-6.003	94%	10.663	11%	13.268	7%	11.833	-2%	3.273	27%	11.513	0%	15.759	0%	15.417	-1%	-9.723	-3%	11.97	-1%	18.063	-1%	15.223	0%
			10X	High	230%	1.595	-152%	9.702	1%	14.156	14%	14.067	17%	1.574	-39%	11.247	-2%	15.704	0%	15.626	0%	-10.254	3%	12.245	1%	18.426	1%	15.31	0%
		Zone 33 (100 ft/day)	0.1X	High	153%	-5.406	75%	10.157	6%	12.705	2%	11.498	-4%	3.534	37%	11.07	-3%	15.178	-4%	14.762	-5%	-9.112	-9%	11.669	-4%	17.662	-3%	15.13	-1%
			10X	High	259%	0.501	-116%	9.595	0%	13.173	6%	13.164	10%	1.153	-55%	12.511	9%	17.955	14%	17.92	15%	-11.639	17%	13.038	8%	19.466	7%	15.604	2%
		Zone 34 (100 ft/day)	0.1X	Low	14%	-3.154	2%	9.623	0%	12.397	0%	11.99	0%	2.549	-1%	11.292	-1%	15.45	-2%	15.24	-2%	-9.746	-2%	11.968	-1%	18.042	-1%	15.184	-1%
			10X	Medium	46%	-2.859	-7%	9.601	0%	12.436	0%	12.103	1%	2.594	1%	12.054	5%	17.054	8%	16.858	8%	-10.709	7%	12.516	3%	18.824	3%	15.482	1%
		Zone 35 (50 ft/day)	0.1X	Low	11%	-3.107	1%	9.619	0%	12.402	0%	12.008	0%	2.477	-4%	11.481	0%	15.841	0%	15.648	1%	-9.836	-1%	11.975	-1%	17.944	-2%	15.008	-2%
			10X	Medium	49%	-3.022	-2%	9.613	0%	12.414	0%	12.042	0%	3.007	17%	11.313	-1%	15.416	-2%	15.121	-3%	-10.504	5%	12.603	4%	19.473	7%	16.397	7%
		Zone 36 (50 ft/day)	0.1X	Low	5%	-3.093	0%	9.618	0%	12.404	0%	12.014	0%	2.539	-1%	11.471	0%	15.808	0%	15.605	0%	-9.935	-1%	12.053	0%	18.047	-1%	15.067	-1%
			10X	Low	9%	-3.082	0%	9.618	0%	12.406	0%	12.018	0%	2.637	3%	11.433	0%	15.715	0%	15.494	0%	-10.009	0%	12.149	0%	18.559	2%	15.629	2%
		Zone 37 (1 ft/day)	0.1X	Low	22%	-3.023	-2%	9.617	0%	12.419	0%	12.046	0%	2.812	9%	11.438	0%	15.685	-1%	15.432	-1%	-9.723	-3%	11.929	-1%	17.796	-2%	14.905	-2%
			10X	Medium	34%	-3.244	5%	9.637	0%	12.403	0%	11.972	0%	2.211	-14%	11.548	1%	16.008	1%	15.857	2%	-10.233	2%	12.297	2%	18.813	3%	15.787	3%
		Zone 38 (20 ft/day)	0.1X	Low	17%	-3.107	1%	9.619	0%	12.402	0%	12.008	0%	2.423	-6%	11.509	0%	15.902	1%	15.718	1%	-10.284	3%	12.306	2%	18.583	2%	15.478	1%
			10X	Low	10%	-3.077	0%	9.617	0%	12.407	0%	12.02	0%	2.675	4%	11.424	0%	15.692	-1%	15.464	-1%	-9.805	-2%	11.99	-1%	18.12	-1%	15.238	0%
		Zone 39 (1 ft/day)	0.1X	Low	6%	-3.084	0%	9.618	0%	12.406	0%	12.018	0%	2.638	3%	11.442	0%	15.742	0%	15.521	0%	-9.849	-1%	12.03	-1%	18.146	-1%	15.241	0%
			10X	Low	7%	-3.097	0%	9.618	0%	12.402	0%	12.011	0%	2.506	-3%	11.477	0%	15.811	0%	15.612	0%	-10.166	2%	12.22	1%	18.382	1%	15.316	0%
	Model Layer 1	Zone 31 (120 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 32 (120 Ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.1	0%	9.622	0%	12.407	0%	12.015	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 33 (60 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.455	0%	15.776	0%	15.566	0%	-9.983	0%	12.103	0%	18.239	0%	15.264	0%
		Zone 34 (20 Ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.458	0%	15.775	0%	15.566	0%	-9.983	0%	12.103	0%	18.239	0%	15.264	0%
			10X	Low	1%	-3.091	0%	9.618	0%	12.405	0%	12.014	0%	2.556	-1%	11.46	0%	15.777	0%	15.57	0%	-9.999	0%	12.11	0%	18.246	0%	15.263	0%
		Zone 35 (20 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 36 (20 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.988	0%	12.107	0%	18.241	0%	15.264	0%
		Zone 37 (20 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.567	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.456	0%	15.771	0%	15.561	0%	-9.979	0%	12.102	0%	18.237	0%	15.265	0%
		Zone 39 (1 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Model Layer 2	Zone 31 (0.01 ft/day)	0.1X	Low	0%	-3.093	0%	9.62	0%	12.406	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.082	0%	9.614	0%	12.402	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 32 (0.01 ft/day)	0.1X	Low	19%	-2.653	-14%	9.472	-2%	12.299	-1%	12.011	0%	2.63	2%	11.485	0%	15.796	0%	15.577	0%	-9.978	0%	12.101	0%	18.235	0%	15.263	0%
			10X	Low	11%	-3.255	5%	9.771	2%	12.565	1%	12.137	1%	2.54	-1%	11.445	0%	15.779	0%	15.575	0%	-9.998	0%	12.11	0%	18.246	0%	15.263	0%
		Zone 33 (0.01 ft/day)	0.1X	Medium	49%	-3.658	18%	9.614	0%	12.314	-1%	11.759	-2%	1.978	-23%	11.327	-1%	15.58	-1%	15.456	-1%	-10.047	1%	12.134	0%	18.277	0%	15.268	0%
			10X	High	117%	-1.665	-46%	9.604	0%	12.752	3%	12.644	5%	3.855	50%	12	5%	16.38	4%	15.922	2%	-9.864	-1%	12.046	0%	18.167	0%	15.257	0%
		Zone 34 (0.01 ft/day)	0.1X	Medium	49%	-3.027	-2%	9.615	0%	12.416	0%	12.043	0%	3.322	29%	11.316	-1%	15.666	-1%	15.311	-2%	-9.121	-9%	11.742	-3%	17.856	-2%	15.351	1%
			10X	Medium	46%	-3.147	2%	9.621	0%	12.395	0%	11.99	0%	1.884	-27%	11.632	2%	15.934	1%	15.823	2%	-10.762	8%	12.47	3%	18.623	2%	15.2	0%
		Zone 35 (0.01 ft/day)	0.1X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.556	-1%	11.46	0%	15.779	0%	15.573	0%	-10.014	0%	12.111	0%	18.25	0%	15.258	0%
			10X	Low	5%	-3.086	0%	9.618	0%	12.406	0%	12.017	0%	2.637	3%	11.453	0%	15.762	0%	15.541	0%	-9.858	-1%	12.076	0%	18.19	0%	15.288	0%
		Zone 36 (0.01 ft/day)	0.1X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.575	0%	11.457	0%	15.774	0%	15.564	0%	-9.939	0%	12.068	0%	18.215	0%	15.265	0%
			10X	Low	4%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.559	-1%	11.462	0%	15.783	0%	15.576	0%	-10.16	2%	12.246	1%	18.34	1%	15.269	0%
		Zone 37 (10ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.457	0%	15.775	0%	15.566	0%	-9.983	0%	12.103	0%	18.239	0%	15.264	0%
		Zone 39 (1 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%

Table 5-1. Sensitivity Analysis -- Residual Statistics
units: Feet

Parameters			Multiplier	Sensitivity	absolute diff. sum	Piru basin								Fillmore basin								Santa Paula basin							
						RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)
						Default = -3.09		9.618		Default = 12.405		Default = 12.015		Default = 2.572		Default = 11.458		Default = 15.775		Default = 15.566		Default = -9.985		Default = 12.104		Default = 18.239		Default = 15.264	
Vertical Hydraulic Conductivity	Model Layer 3	Zone 39 (1 ft/day)	10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 26 (60 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.459	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	1%	-3.093	0%	9.618	0%	12.405	0%	12.014	0%	2.552	-1%	11.452	0%	15.768	0%	15.562	0%	-9.987	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 31 (120 ft/day)	0.1X	Low	0%	-3.095	0%	9.621	0%	12.407	0%	12.015	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	3%	-3.034	-2%	9.594	0%	12.388	0%	12.012	0%	2.579	0%	11.46	0%	15.778	0%	15.567	0%	-9.984	0%	12.103	0%	18.239	0%	15.264	0%
		Zone 32 (120 ft/day)	0.1X	Low	1%	-3.078	0%	9.613	0%	12.401	0%	12.014	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	4%	-3.189	3%	9.666	0%	12.443	0%	12.028	0%	2.565	0%	11.455	0%	15.773	0%	15.565	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
		Zone 33 (40 ft/day)	0.1X	Low	0%	-3.092	0%	9.618	0%	12.404	0%	12.013	0%	2.578	0%	11.455	0%	15.774	0%	15.564	0%	-9.982	0%	12.103	0%	18.238	0%	15.264	0%
			10X	Low	4%	-3.062	-1%	9.622	0%	12.415	0%	12.033	0%	2.523	-2%	11.489	0%	15.787	0%	15.586	0%	-10.008	0%	12.114	0%	18.25	0%	15.262	0%
		Zone 34 (10 ft/day)	0.1X	Low	1%	-3.088	0%	9.618	0%	12.405	0%	12.016	0%	2.586	1%	11.455	0%	15.772	0%	15.561	0%	-9.969	0%	12.097	0%	18.232	0%	15.265	0%
			10X	Low	7%	-3.099	0%	9.619	0%	12.403	0%	12.011	0%	2.461	-4%	11.486	0%	15.802	0%	15.611	0%	-10.107	1%	12.16	0%	18.299	0%	15.255	0%
		Zone 35 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.567	0%	-9.988	0%	12.108	0%	18.243	0%	15.266	0%
			10X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.576	0%	11.454	0%	15.771	0%	15.561	0%	-9.951	0%	12.062	0%	18.207	0%	15.248	0%
		Zone 36 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.977	0%	12.099	0%	18.235	0%	15.264	0%
			10X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.568	0%	11.459	0%	15.777	0%	15.569	0%	-10.049	1%	12.148	0%	18.273	0%	15.263	0%
		Zone 37 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.457	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 38 (10 ft/day)	0.1X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.458	0%	15.775	0%	15.565	0%	-9.937	0%	12.07	0%	18.216	0%	15.268	0%
			10X	Low	8%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.557	-1%	11.461	0%	15.782	0%	15.576	0%	-10.352	4%	12.373	2%	18.423	1%	15.24	0%
		Zone 39 (1 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Model Layer 4	Zone 26 (40 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 31 (100 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.087	0%	9.617	0%	12.404	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 32 (100 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.092	0%	9.619	0%	12.406	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 33 (20 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.089	0%	9.619	0%	12.406	0%	12.016	0%	2.571	0%	11.459	0%	15.776	0%	15.566	0%	-9.986	0%	12.104	0%	18.24	0%	15.264	0%
		Zone 34 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.569	0%	11.46	0%	15.777	0%	15.568	0%	-9.99	0%	12.106	0%	18.242	0%	15.264	0%
		Zone 35 (0.1 ft/day)	0.1X	Low	10%	-3.092	0%	9.618	0%	12.404	0%	12.014	0%	2.549	-1%	11.471	0%	15.797	0%	15.591	0%	-10.285	3%	12.455	3%	18.537	2%	15.423	1%
			10X	High	59%	-3.073	-1%	9.617	0%	12.408	0%	12.022	0%	2.779	8%	11.385	-1%	15.661	-1%	15.414	-1%	-7.625	-24%	10.15	-16%	16.958	-7%	15.148	-1%
		Zone 36 (0.1 ft/day)	0.1X	Low	8%	-3.088	0%	9.618	0%	12.405	0%	12.016	0%	2.588	1%	11.454	0%	15.768	0%	15.556	0%	-9.626	-4%	11.855	-2%	18.067	-1%	15.289	0%
			10X	Low	4%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.565	0%	11.46	0%	15.779	0%	15.571	0%	-10.145	2%	12.246	1%	18.332	1%	15.269	0%
		Zone 37 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 38 (0.1 ft/day)	0.1X	Low	3%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.458	0%	15.775	0%	15.565	0%	-10.157	2%	12.18	1%	18.289	0%	15.209	0%
			10X	Low	5%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.555	-1%	11.461	0%	15.782	0%	15.576	0%	-9.992	0%	12.337	2%	18.392	1%	15.442	1%
		Zone 39 (1 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Model Layer 5	Zone 26 (40 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.576	0%	11.459	0%	15.777	0%	15.567	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	2%	-3.096	0%	9.619	0%	12.404	0%	12.013	0%	2.54	-1%	11.448	0%	15.764	0%	15.56	0%	-9.987	0%	12.105	0%	18.241	0%	15.264	0%
		Zone 31 (100 ft/day)	0.1X	Low	0%	-3.099	0%	9.622	0%	12.408	0%	12.016	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	4%	-3	-3%	9.579	0%	12.375	0%	12.007	0%	2.583	0%	11.461	0%	15.779	0%	15.568	0%	-9.983	0%	12.103	0%	18.238	0%	15.264	0%
		Zone 32 (100 ft/day)	0.1X	Low	1%	-3.077	0%	9.611	0%	12.4	0%	12.013	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	5%	-3.199	4%	9.676	1%	12.45	0%	12.033	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 33 (20 ft/day)	0.1X	Low	1%	-3.092	0%	9.615	0%	12.4	0%	12.01	0%	2.594	1%	11.453	0%	15.776	0%	15.563	0%	-9.977	0%	12.101	0%	18.236	0%	15.265	0%
			10X	Low	9%	-3.064	-1%	9.649	0%	12.449	0%	12.067	0%	2.42	-6%	11.492	0%	15.771	0%	15.585	0%	-10.033	0%	12.126	0%	18.263	0%	15.26	0%
		Zone 34 (10 ft/day)	0.1X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.582	0%	11.455	0%	15.772	0%	15.561	0%	-9.976	0%	12.1	0%	18.234	0%	15.264	0%
			10X	Low	5%	-3.098	0%	9.619	0%	12.403	0%	12.011	0%	2.495	-3%	11.481	0%	15.804	0%	15.607	0%	-10.052	1%	12.139	0%	18.279	0%	15.267	0%
		Zone 35 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.106	0%	18.241	0%	15.265	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.57	0%	11.459	0%	15.777	0%	15.568	0%	-9.977	0%	12.088	0%	18.226	0%	15.253	0%
		Zone 36 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.775	0%	15.565	0%	-9.967	0%	12.091	0%	18.229	0%	15.264	0%
			10X	Low	3%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.563	0%	11.46	0%	15.78	0%	15.572	0%	-10.129	1%	12.207	1%	18.321	0%	15.266	0%
		Zone 37 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 38 (10 ft/day)	0.1X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.458	0%	15.775	0%	15.565	0%	-9.95	0%	12.078	0%	18.222	0%	15.266	0%
			10X	Low	6%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.559	-1%	11.461	0%	15.781	0%	15.574	0%	-10.261	3%	12.315	2%	18.384	1%	15.254	0%
		Zone 39 (1 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Model Layer 6	Zone 31 (0.1 ft/day)	0.1X	Low	2%	-3.127	1%	9.637	0%	12.429	0%	12.031	0%	2.568	0%	11.457	0%	15.774	0%	15.565	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
			10X	Low	11%	-2.874	-7%	9.505	-1%	12.288	-1%	11.949	-1%	2.591	1%	11.464	0%	15.782	0%	15.569	0%	-9.981	0%	12.102	0%	18.237	0%	15.264	0%
		Zone 32 (0.1 ft/day)	0.1X	Low	13%	-3.074	-1%	9.429	-2%	12.213	-2%	11.821	-2%	2.406	-6%	11.399	-1%	15.723	0%	15.539	0%	-10.005	0%	12.114	0%	18.253	0%	15.267	0%
			10X	Low	25%	-2.972	-4%	9.853	2%	12.681	2%	12.329	3%	2.858	11%	11.561	1%	15.871	1%	15.613	0%	-9.95	0%	12.086	0%	18.217	0%	15.26	0%
		Zone 33 (0.1 ft/day)	0.1X	Medium	28%	-3.559	15%	9.445	-2%	12.129	-2%	11.596	-3%	2.456	-5%	11.458	0%	15.78	0%	15.59	0%	-10.003	0%	12.113	0%	18.252	0%	15.267	0%
			10X	Low	24%	-2.682	-13%	9.852	2%	12.838	3%	12.556	5%	2.562	0%	11.476	0%	15.794	0%	15.586	0%	-9.985	0%	12.104	0%	18.238	0%	15.263	0%
		Zone 34 (0.1 ft/day)	0.1X	Low	5%	-3.08	0%	9.618	0%	12.406	0%	12.019	0%	2.636	2%	11.419	0%	15.725	0%	15.504	0%	-10.003	0%	12.092	0%	18.22	0%	15.23	0%
			10X	Low	14%	-3.116	1%	9.62	0%	12.401	0%	12.004	0%	2.355	-8%	11.555	1%	15.902	1%	15.728	1%	-10.04	1%	12.164	0%	18.318	0%	15.322	0%
		Zone 35 (0.1 ft/day)	0.1X	Low	3%	-3.086	0%	9.618	0%	12.406	0%	12.017	0%	2.606	1%	11.434	0%	15.741	0%	15.526	0%	-10.058	1%	12.129	0%	18.27	0%	15.252	0%
			10X	Low	5%	-3.09	0%	9.618	0%	12.404	0%	12.014	0%	2.587	1%	11.458	0%	15.778	0%	15.566	0%	-9.756	-2%	11.939	-1%	18.157	0%	15.314	0%
		Zone 36 (0.01 ft/day)	0.1X	Low	13%	-3.085	0%	9.618	0%	12.405	0%	12.017	0%	2.622	2%	11.446	0%	15.749	0%	15.53	0%	-9.406	-6%	11.723	-3%	17.919	-2%	15.252	0%
			10X	Medium	31%	-3.105	0%	9.619	0%	12.402	0%	12.009	0%	2.419	-6%	11.505	0%	15.881	1%	15.698	1%	-10.969	10%	12.816	6%	19.076	5%	15.607	2%
		Zone 37 (0.1 ft/day)	0.1X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.553	-1%	11.445	0%	15.764	0%	15.558	0%	-9.991	0%	12.104	0%	18.237	0%	15.257	0%
			10X	Low	4%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.659	3%	11.474	0%	15.773	0%	15.549	0%	-9.953	0%	12.093	0%	18.232	0%	15.275	0%
		Zone 38 (0.001 ft/day)	0.1X	Low	4%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.575	0%	11.458	0%	15.776	0%	15.566	0%	-9.776	-2%	11.983	-1%	18.205	0%	15.359	1%
			10X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.457	0%	15.774	0%	15.564	0%	-10.024	0%	12.128	0%	18.238	0%	15.237	0%
		Zone 39 (0.01 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.99	0%	12.107	0%	18.243	0%	15.265	0%
	Model Layer 7	Zone 31 (20 ft/day)	0.1X	Low	2%	-3.125	1%	9.638	0%	12.427	0%	12.029	0%	2.569	0%	11.457	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
			10X	Low	10%	-2.89	-6%	9.511	-1%	12.292	-1%	11.949	-1%	2.588	1%	11.463	0%	15.78	0%	15.568	0%	-9.982	0%	12.103	0%	18.238	0%	15.264	0%
		Zone 32 (20 ft/day)	0.1X	Low	2%	-3.073	-1%	9.587	0%	12.376	0%	11.99	0%	2.552	-1%	11.451	0%	15.769	0%	15.563	0%	-9.988	0%	12.105	0%	18.241	0%	15.264	0%
			10X	Low	11%	-3.075	0%	9.764	2%	12.551	1%	12.169	1%	2.709	5%	11.504	0%	15.817	0%	15.585	0%	-9.966	0%	12.094	0%	18.227	0%	15.262	0%
		Zone 33 (10 ft/day)	0.1X	Low	1%	-3.08	0%	9.623	0%	12.414	0%	12.027	0%	2.581	0%	11.461	0%	15.78	0%	15.569	0%	-9.982	0%	12.103	0%	18.238	0%	15.264	0%
			10X	Low	6%	-3.14	2%	9.58	0%	12.346	0%	11.941	-1%	2.521	-2%	11.428	0%	15.737	0%	15.536	0%	-9.993	0%	12.107	0%	18.242	0%	15.262	0%
		Zone 34 (10 ft/day)	0.1X	Low	1%	-3.088	0%	9.618	0%	12.405	0%	12.016	0%	2.583	0%	11.454	0%	15.769	0%	15.557	0%	-9.981	0%	12.101	0%	18.235	0%	15.261	0%
			10X	Low	6%	-3.105	0%	9.619	0%	12.403	0%	12.009	0%	2.477	-4%	11.491	0%	15.84	0%	15.647	1%	-10.013	0%	12.129	0%	18.278	0%	15.292	0%

Table 5-1. Sensitivity Analysis -- Residual Statistics
units: Feet

Parameters		Multiplier	Sensitivity	absolute diff. sum	Piru basin								Fillmore basin								Santa Paula basin					
					RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)
					Default = -3.09		9.618		Default = 12.405		Default = 12.015		Default = 2.572		Default = 11.458		Default = 15.775		Default = 15.566		Default = -9.985		Default = 12.104		Default = 18.239		Default = 15.264	
	Model Layer 7	Zone 35 (5 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.456	0%	15.773	0%	15.563	0%	-9.991	0%	12.107	0%	18.241	0%	15.263	0%
			10X	Low	2%	-3.092	0%	9.618	0%	12.404	0%	12.014	0%	2.561	0%	11.47	0%	15.798	0%	15.591	0%	-9.924	-1%	12.07	0%	18.219	0%	15.28	0%
		Zone 36 (5 ft/day)	0.1X	Low	3%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.581	0%	11.456	0%	15.771	0%	15.56	0%	-9.846	-1%	12.006	-1%	18.157	0%	15.257	0%
			10X	Low	11%	-3.092	0%	9.618	0%	12.404	0%	12.014	0%	2.538	-1%	11.466	0%	15.792	0%	15.589	0%	-10.448	5%	12.441	3%	18.53	2%	15.304	0%
		Zone 37 (0.5 ft/day)	0.1X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.582	0%	11.46	0%	15.79	0%	15.579	0%	-9.998	0%	12.109	0%	18.242	0%	15.259	0%
			10X	Low	2%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.565	0%	11.456	0%	15.747	0%	15.538	0%	-9.918	-1%	12.077	0%	18.223	0%	15.288	0%
		Zone 38 (2 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.567	0%	-9.985	0%	12.104	0%	18.242	0%	15.267	0%
		Zone 39 (0.5 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.263	0%
	Model Layer 8	Zone 31 (0.001 ft/day)	0.1X	Low	22%	-3.166	2%	8.941	-7%	11.81	-5%	11.379	-5%	2.519	-2%	11.446	0%	15.767	0%	15.566	0%	-9.999	0%	12.111	0%	18.249	0%	15.266	0%
			10X	Low	8%	-3.129	1%	9.863	3%	12.647	2%	12.254	2%	2.583	0%	11.46	0%	15.777	0%	15.565	0%	-9.981	0%	12.102	0%	18.237	0%	15.264	0%
		Zone 32 (0.001 ft/day)	0.1X	Medium	35%	-3.058	-1%	8.841	-8%	11.767	-5%	11.363	-5%	2.258	-12%	11.415	0%	15.775	0%	15.614	0%	-10.096	1%	12.162	0%	18.316	0%	15.282	0%
			10X	High	137%	-2.401	-22%	12.26	27%	16.639	34%	16.466	37%	2.889	12%	11.459	0%	15.73	0%	15.464	-1%	-9.85	-1%	12.034	-1%	18.146	-1%	15.241	0%
		Zone 33 (0.001 ft/day)	0.1X	High	100%	-2.269	-27%	9.619	0%	12.68	2%	12.476	4%	3.876	51%	11.939	4%	15.93	1%	15.453	-1%	-9.465	-5%	11.815	-2%	17.82	-2%	15.099	-1%
			10X	Low	21%	-3.24	5%	9.615	0%	12.331	-1%	11.898	-1%	2.337	-9%	11.28	-2%	15.609	-1%	15.435	-1%	-9.893	-1%	12.065	0%	18.198	0%	15.274	0%
		Zone 34 (0.001 ft/day)	0.1X	High	106%	-2.607	-16%	9.585	0%	12.471	1%	12.196	2%	4.106	60%	11.161	-3%	14.803	-6%	14.224	-9%	-9.998	0%	11.872	-2%	17.547	-4%	14.421	-6%
			10X	High	105%	-3.453	12%	9.652	0%	12.371	0%	11.88	-1%	1.112	-57%	11.716	2%	17.412	10%	17.378	12%	-9.972	0%	12.315	2%	18.85	3%	15.997	5%
		Zone 35 (0.001 ft/day)	0.1X	High	136%	-2.841	-8%	9.603	0%	12.443	0%	12.115	1%	3.791	47%	10.923	-5%	14.562	-8%	14.061	-10%	-12.497	25%	13.843	14%	17.945	-2%	12.878	-16%
			10X	High	62%	-3.192	3%	9.626	0%	12.392	0%	11.975	0%	2.093	-19%	11.697	2%	16.581	5%	16.45	6%	-8.775	-12%	11.48	-5%	18.607	2%	16.408	7%
		Zone 36 (0.001 ft/day)	0.1X	High	83%	-2.973	-4%	9.611	0%	12.423	0%	12.063	0%	3.447	34%	11.158	-3%	15.087	-4%	14.69	-6%	-10.163	2%	12.402	2%	16.284	-11%	12.723	-17%
			10X	Low	19%	-3.115	1%	9.62	0%	12.401	0%	12.004	0%	2.377	-8%	11.527	1%	15.95	1%	15.773	1%	-10.044	1%	12.112	0%	18.797	3%	15.888	4%
		Zone 37 (0.001 ft/day)	0.1X	Medium	32%	-2.966	-4%	9.608	0%	12.419	0%	12.06	0%	2.7	5%	11.323	-1%	15.249	-3%	15.009	-4%	-10.73	7%	12.538	4%	18.407	1%	14.957	-2%
			10X	Low	6%	-3.06	-1%	9.611	0%	12.4	0%	12.018	0%	2.544	-1%	11.382	-1%	15.804	0%	15.599	0%	-9.87	-1%	12.141	0%	18.116	-1%	15.191	0%
		Zone 38 (0.001 ft/day)	0.1X	Medium	50%	-3.037	-2%	9.615	0%	12.413	0%	12.036	0%	2.983	16%	11.318	-1%	15.438	-2%	15.149	-3%	-10.584	6%	12.664	5%	17.33	-5%	13.722	-10%
			10X	Low	9%	-3.097	0%	9.618	0%	12.404	0%	12.012	0%	2.518	-2%	11.476	0%	15.822	0%	15.622	0%	-9.807	-2%	12.011	-1%	18.442	1%	15.619	2%
		Zone 39 (0.001 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.457	0%	15.777	0%	15.568	0%	-9.976	0%	12.101	0%	18.24	0%	15.27	0%
			10X	Low	2%	-3.085	0%	9.618	0%	12.405	0%	12.016	0%	2.567	0%	11.458	0%	15.752	0%	15.543	0%	-10.041	1%	12.122	0%	18.235	0%	15.222	0%
	Model Layer 9	Zone 31 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.619	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 32 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.616	0%	12.403	0%	12.013	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	1%	-3.089	0%	9.64	0%	12.424	0%	12.035	0%	2.575	0%	11.458	0%	15.776	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 33 (10 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
			10X	Low	0%	-3.097	0%	9.619	0%	12.405	0%	12.013	0%	2.574	0%	11.456	0%	15.776	0%	15.566	0%	-9.98	0%	12.101	0%	18.236	0%	15.263	0%
		Zone 34 (10 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.575	0%	11.457	0%	15.772	0%	15.562	0%	-9.985	0%	12.104	0%	18.238	0%	15.263	0%
			10X	Low	2%	-3.096	0%	9.619	0%	12.404	0%	12.013	0%	2.544	-1%	11.468	0%	15.812	0%	15.608	0%	-9.981	0%	12.107	0%	18.25	0%	15.279	0%
		Zone 35 (5 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.457	0%	15.772	0%	15.563	0%	-9.986	0%	12.105	0%	18.239	0%	15.263	0%
			10X	Low	1%	-3.092	0%	9.618	0%	12.405	0%	12.014	0%	2.558	-1%	11.468	0%	15.803	0%	15.596	0%	-9.969	0%	12.098	0%	18.242	0%	15.278	0%
		Zone 36 (5 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.984	0%	12.104	0%	18.24	0%	15.265	0%
		Zone 37 (0.5 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.457	0%	15.773	0%	15.563	0%	-9.987	0%	12.105	0%	18.239	0%	15.262	0%
			10X	Low	1%	-3.094	0%	9.618	0%	12.404	0%	12.013	0%	2.57	0%	11.462	0%	15.795	0%	15.586	0%	-9.96	0%	12.095	0%	18.24	0%	15.281	0%
		Zone 38 (2 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.774	0%	15.565	0%	-9.982	0%	12.102	0%	18.235	0%	15.26	0%
			10X	Low	1%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.562	0%	11.462	0%	15.784	0%	15.577	0%	-10.009	0%	12.121	0%	18.279	0%	15.296	0%
		Zone 39 (0.5 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.566	0%	-9.988	0%	12.105	0%	18.24	0%	15.263	0%
	Model Layer 10	Zone 32 (10 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.095	0%	9.619	0%	12.405	0%	12.014	0%	2.576	0%	11.458	0%	15.775	0%	15.565	0%	-9.983	0%	12.103	0%	18.238	0%	15.264	0%
		Zone 33 (10 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
			10X	Low	0%	-3.097	0%	9.62	0%	12.406	0%	12.015	0%	2.573	0%	11.456	0%	15.774	0%	15.564	0%	-9.981	0%	12.102	0%	18.237	0%	15.263	0%
		Zone 34 (10 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.57	0%	11.459	0%	15.779	0%	15.57	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
		Zone 35 (5 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.57	0%	11.46	0%	15.78	0%	15.57	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 36 (5 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.24	0%	15.265	0%
		Zone 37 (0.1 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.57	0%	11.458	0%	15.777	0%	15.568	0%	-9.984	0%	12.104	0%	18.243	0%	15.268	0%
			10X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.576	0%	11.455	0%	15.768	0%	15.558	0%	-9.989	0%	12.107	0%	18.225	0%	15.244	0%
		Zone 38 (2 ft/day)	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.775	0%	15.565	0%	-9.982	0%	12.102	0%	18.235	0%	15.261	0%
			10X	Low	1%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.563	0%	11.461	0%	15.783	0%	15.575	0%	-10.008	0%	12.12	0%	18.279	0%	15.296	0%
		Zone 39 (0.1 ft/day)	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Model Layer 1 (storage coefficient = 0.001)	Zone 31	0.1X	Low	0%	-3.091	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.092	0%	9.62	0%	12.406	0%	12.016	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 32	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.404	0%	12.014	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 33	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.088	0%	9.617	0%	12.404	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 34	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 35	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 36	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 37	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 39	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Model Layer 2 (storage coefficient = 0.001)	Zone 31	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.093	0%	9.62	0%	12.407	0%	12.016	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 32	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.093	0%	9.618	0%	12.403	0%	12.012	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 33	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.091	0%	9.617	0%	12.403	0%	12.013	0%	2.564	0%	11.455	0%	15.773	0%	15.565	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
		Zone 34	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 35	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.566	0%	-9.99	0%	12.108	0%	18.243	0%	15.265	0%

Table 5-1. Sensitivity Analysis -- Residual Statistics
units: Feet

Parameters			Multiplier	Sensitivity	absolute diff. sum	Piru basin								Fillmore basin								Santa Paula basin							
						RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)
						Default = -3.09		9.618		Default = 12.405		Default = 12.015		Default = 2.572		Default = 11.458		Default = 15.775		Default = 15.566		Default = -9.985		Default = 12.104		Default = 18.239		Default = 15.264	
Storage Coefficient	Model Layer 3 (storage coefficient = 0.001)	Zone 36	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.988	0%	12.108	0%	18.242	0%	15.265	0%
		Zone 37	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.569	0%	11.458	0%	15.775	0%	15.566	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 39	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Model Layer 3 (storage coefficient = 0.001)	Zone 26	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.091	0%	9.618	0%	12.404	0%	12.014	0%	2.565	0%	11.458	0%	15.775	0%	15.567	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
		Zone 31	0.1X	Low	0%	-3.084	0%	9.616	0%	12.403	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	3%	-3.154	2%	9.646	0%	12.424	0%	12.018	0%	2.565	0%	11.455	0%	15.773	0%	15.565	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 32	0.1X	Low	1%	-3.078	0%	9.612	0%	12.401	0%	12.015	0%	2.574	0%	11.459	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	6%	-3.208	4%	9.678	1%	12.44	0%	12.021	0%	2.552	-1%	11.452	0%	15.769	0%	15.563	0%	-9.987	0%	12.105	0%	18.241	0%	15.264	0%
		Zone 33	0.1X	Low	0%	-3.088	0%	9.618	0%	12.405	0%	12.016	0%	2.575	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	2%	-3.101	0%	9.616	0%	12.398	0%	12.005	0%	2.547	-1%	11.453	0%	15.772	0%	15.567	0%	-9.987	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 34	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.459	0%	15.776	0%	15.567	0%	-9.985	0%	12.106	0%	18.24	0%	15.265	0%
		Zone 35	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.982	0%	12.102	0%	18.237	0%	15.264	0%
			10X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.567	0%	11.459	0%	15.776	0%	15.568	0%	-10.016	0%	12.125	0%	18.259	0%	15.267	0%
		Zone 36	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.103	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.991	0%	12.11	0%	18.244	0%	15.266	0%
		Zone 37	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.091	0%	9.618	0%	12.404	0%	12.014	0%	2.565	0%	11.456	0%	15.774	0%	15.566	0%	-9.987	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 38	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.987	0%	12.106	0%	18.241	0%	15.264	0%
		Zone 39	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
	Model Layer 4 (storage coefficient = 0.001)	Zone 26	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.092	0%	9.618	0%	12.404	0%	12.013	0%	2.563	0%	11.457	0%	15.775	0%	15.567	0%	-9.986	0%	12.104	0%	18.24	0%	15.264	0%
		Zone 31	0.1X	Low	0%	-3.082	0%	9.615	0%	12.403	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	4%	-3.175	3%	9.655	0%	12.428	0%	12.017	0%	2.562	0%	11.455	0%	15.772	0%	15.564	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 32	0.1X	Low	1%	-3.064	-1%	9.605	0%	12.398	0%	12.014	0%	2.576	0%	11.459	0%	15.777	0%	15.567	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	12%	-3.345	8%	9.747	1%	12.482	1%	12.027	0%	2.529	-2%	11.444	0%	15.761	0%	15.559	0%	-9.989	0%	12.106	0%	18.242	0%	15.264	0%
		Zone 33	0.1X	Low	0%	-3.088	0%	9.618	0%	12.406	0%	12.017	0%	2.576	0%	11.459	0%	15.776	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	3%	-3.107	1%	9.615	0%	12.395	0%	12	0%	2.532	-2%	11.451	0%	15.771	0%	15.569	0%	-9.988	0%	12.106	0%	18.241	0%	15.264	0%
		Zone 34	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.459	0%	15.776	0%	15.567	0%	-9.985	0%	12.106	0%	18.24	0%	15.265	0%
		Zone 35	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.775	0%	15.566	0%	-9.98	0%	12.101	0%	18.236	0%	15.263	0%
			10X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.565	0%	11.46	0%	15.777	0%	15.569	0%	-10.028	0%	12.137	0%	18.271	0%	15.274	0%
		Zone 36	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.103	0%	18.238	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.566	0%	-9.996	0%	12.116	0%	18.249	0%	15.268	0%
		Zone 37	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.092	0%	9.618	0%	12.404	0%	12.014	0%	2.564	0%	11.456	0%	15.774	0%	15.566	0%	-9.988	0%	12.105	0%	18.241	0%	15.264	0%
		Zone 38	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.988	0%	12.107	0%	18.242	0%	15.265	0%
		Zone 39	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
	Model Layer 5 (storage coefficient = 0.001)	Zone 26	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.092	0%	9.618	0%	12.404	0%	12.013	0%	2.563	0%	11.457	0%	15.775	0%	15.567	0%	-9.986	0%	12.104	0%	18.24	0%	15.264	0%
		Zone 31	0.1X	Low	0%	-3.083	0%	9.615	0%	12.403	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	3%	-3.163	2%	9.65	0%	12.425	0%	12.016	0%	2.563	0%	11.455	0%	15.772	0%	15.564	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 32	0.1X	Low	1%	-3.06	-1%	9.604	0%	12.397	0%	12.015	0%	2.577	0%	11.46	0%	15.777	0%	15.567	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	14%	-3.381	9%	9.763	2%	12.49	1%	12.025	0%	2.523	-2%	11.442	0%	15.758	0%	15.557	0%	-9.99	0%	12.106	0%	18.242	0%	15.264	0%
		Zone 33	0.1X	Low	0%	-3.088	0%	9.618	0%	12.406	0%	12.017	0%	2.576	0%	11.459	0%	15.776	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	3%	-3.108	1%	9.615	0%	12.394	0%	11.999	0%	2.53	-2%	11.45	0%	15.771	0%	15.569	0%	-9.988	0%	12.106	0%	18.241	0%	15.264	0%
		Zone 34	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.459	0%	15.776	0%	15.567	0%	-9.985	0%	12.106	0%	18.24	0%	15.265	0%
		Zone 35	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.775	0%	15.566	0%	-9.981	0%	12.101	0%	18.236	0%	15.263	0%
			10X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.565	0%	11.46	0%	15.777	0%	15.569	0%	-10.024	0%	12.139	0%	18.274	0%	15.28	0%
		Zone 36	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.983	0%	12.102	0%	18.238	0%	15.263	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.567	0%	-9.999	0%	12.12	0%	18.253	0%	15.27	0%
		Zone 37	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	1%	-3.093	0%	9.618	0%	12.404	0%	12.013	0%	2.561	0%	11.455	0%	15.774	0%	15.566	0%	-9.988	0%	12.106	0%	18.241	0%	15.264	0%
		Zone 38	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.989	0%	12.109	0%	18.243	0%	15.265	0%
		Zone 39	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
	Model Layer 6 (storage coefficient = 0.0005)	Zone 31	0.1X	Low	0%	-3.086	0%	9.616	0%	12.404	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	2%	-3.13	1%	9.636	0%	12.416	0%	12.016	0%	2.567	0%	11.456	0%	15.774	0%	15.565	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
		Zone 32	0.1X	Low	1%	-3.074	-1%	9.611	0%	12.401	0%	12.015	0%	2.575	0%	11.459	0%	15.776	0%	15.567	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	7%	-3.247	5%	9.694	1%	12.448	0%	12.018	0%	2.545	-1%	11.449	0%	15.766	0%	15.561	0%	-9.987	0%	12.105	0%	18.241	0%	15.264	0%
		Zone 33	0.1X	Low	0%	-3.088	0%	9.618	0%	12.405	0%	12.016	0%	2.575	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	2%	-3.101	0%	9.616	0%	12.398	0%	12.005	0%	2.546	-1%	11.454	0%	15.773	0%	15.568	0%	-9.987	0%	12.105	0%	18.241	0%	15.264	0%
		Zone 34	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.105	0%	18.24	0%	15.265	0%
		Zone 35	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.983	0%	12.102	0%	18.238	0%	15.263	0%
			10X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.569	0%	11.459	0%	15.776	0%	15.568	0%	-10.003	0%	12.12	0%	18.256	0%	15.272	0%
		Zone 36	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.103	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.566	0%	-9.99	0%	12.111	0%	18.246	0%	15.268	0%
		Zone 37	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.091	0%	9.618	0%	12.404	0%	12.014	0%	2.564	0%	11.457	0%	15.775	0%	15.567	0%	-9.987	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 38	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.986	0%	12.104	0%	18.24	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.981	0%	12.103	0%	18.238	0%	15.266	0%
		Zone 39	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 31	0.1X	Low	0%	-3.085	0%	9.616	0%	12.403	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	2%	-3.144	2%	9.644	0%	12.421	0%	12.018	0%	2.565	0%	11.456	0%	15.773	0%	15.565	0%	-9.986	0%	12.104	0%	18.24	0%	15.264	0%
		Zone 32	0.1X	Low	1%	-3.072	-1%	9.61	0%	12.4	0%	12.015	0%	2.575	0%	11.459	0%	15.777	0%	15.567	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	8%	-3.258	5%	9.7	1%	12.452	0%	12.019	0%	2.543	-1%	11.448	0%	15.765	0%	15.56	0%	-9.988	0%	12.105	0%	18.241	0%	15.264	0%

Table 5-1. Sensitivity Analysis -- Residual Statistics
units: Feet

Parameters			Multiplier	Sensitivity	absolute diff. sum	Piru basin								Fillmore basin								Santa Paula basin							
						RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)
						Default = -3.09		9.618		Default = 12.405		Default = 12.015		Default = 2.572		Default = 11.458		Default = 15.775		Default = 15.566		Default = -9.985		Default = 12.104		Default = 18.239		Default = 15.264	
	Model Layer 7 (storage coefficient = 0.0005)	Zone 33	0.1X	Low	0%	-3.088	0%	9.618	0%	12.405	0%	12.016	0%	2.575	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	2%	-3.102	0%	9.616	0%	12.399	0%	12.006	0%	2.545	-1%	11.454	0%	15.774	0%	15.569	0%	-9.987	0%	12.105	0%	18.241	0%	15.264	0%
		Zone 34	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.105	0%	18.24	0%	15.265	0%
		Zone 35	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.983	0%	12.103	0%	18.238	0%	15.263	0%
			10X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.569	0%	11.459	0%	15.776	0%	15.568	0%	-10.001	0%	12.12	0%	18.256	0%	15.273	0%
		Zone 36	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.103	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.567	0%	-9.99	0%	12.112	0%	18.247	0%	15.27	0%
		Zone 37	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.576	0%	11.459	0%	15.776	0%	15.566	0%	-9.983	0%	12.103	0%	18.238	0%	15.264	0%
			10X	Low	2%	-3.097	0%	9.618	0%	12.402	0%	12.01	0%	2.535	-1%	11.45	0%	15.767	0%	15.564	0%	-10.006	0%	12.117	0%	18.254	0%	15.268	0%
		Zone 38	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.972	0%	12.1	0%	18.236	0%	15.268	0%
		Zone 39	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.567	0%	-9.987	0%	12.105	0%	18.241	0%	15.264	0%
	Model Layer 8 (storage coefficient = 0.0005)	Zone 31	0.1X	Low	0%	-3.08	0%	9.613	0%	12.402	0%	12.014	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	4%	-3.18	3%	9.671	1%	12.459	0%	12.047	0%	2.566	0%	11.456	0%	15.773	0%	15.565	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
		Zone 32	0.1X	Low	1%	-3.073	-1%	9.613	0%	12.401	0%	12.015	0%	2.575	0%	11.459	0%	15.776	0%	15.567	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	9%	-3.279	6%	9.675	1%	12.443	0%	12.004	0%	2.542	-1%	11.448	0%	15.765	0%	15.56	0%	-9.987	0%	12.105	0%	18.241	0%	15.264	0%
		Zone 33	0.1X	Low	0%	-3.088	0%	9.618	0%	12.405	0%	12.016	0%	2.577	0%	11.456	0%	15.774	0%	15.563	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	3%	-3.107	1%	9.617	0%	12.398	0%	12.004	0%	2.515	-2%	11.467	0%	15.79	0%	15.59	0%	-9.99	0%	12.107	0%	18.242	0%	15.264	0%
		Zone 34	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.57	0%	11.459	0%	15.777	0%	15.568	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 35	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.775	0%	15.566	0%	-9.982	0%	12.102	0%	18.238	0%	15.264	0%
			10X	Low	1%	-3.091	0%	9.618	0%	12.404	0%	12.014	0%	2.562	0%	11.46	0%	15.78	0%	15.572	0%	-10.012	0%	12.122	0%	18.258	0%	15.268	0%
		Zone 36	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.775	0%	15.566	0%	-9.983	0%	12.102	0%	18.238	0%	15.264	0%
			10X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.566	0%	11.459	0%	15.779	0%	15.571	0%	-10.009	0%	12.122	0%	18.261	0%	15.274	0%
		Zone 37	0.1X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.016	0%	2.577	0%	11.459	0%	15.776	0%	15.566	0%	-9.98	0%	12.101	0%	18.236	0%	15.263	0%
			10X	Low	4%	-3.1	0%	9.617	0%	12.401	0%	12.008	0%	2.517	-2%	11.449	0%	15.77	0%	15.569	0%	-10.03	0%	12.133	0%	18.275	0%	15.276	0%
		Zone 38	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.57	0%	11.458	0%	15.777	0%	15.567	0%	-9.991	0%	12.109	0%	18.245	0%	15.267	0%
		Zone 39	0.1X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			10X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.567	0%	-9.988	0%	12.106	0%	18.242	0%	15.265	0%
	Model Layer 9 (storage coefficient = 0.0005)	Zone 31	0.1X	Low	7%	-3.067	-1%	9.619	0%	12.411	0%	12.027	0%	2.681	4%	11.497	0%	15.819	0%	15.592	0%	-9.945	0%	12.08	0%	18.21	0%	15.255	0%
			10X	Low	6%	-3.094	0%	9.626	0%	12.418	0%	12.028	0%	2.678	4%	11.496	0%	15.818	0%	15.591	0%	-9.945	0%	12.081	0%	18.21	0%	15.255	0%
		Zone 32	0.1X	Low	7%	-3.053	-1%	9.616	0%	12.409	0%	12.029	0%	2.684	4%	11.498	0%	15.82	0%	15.592	0%	-9.944	0%	12.08	0%	18.21	0%	15.255	0%
			10X	Low	10%	-3.23	5%	9.647	0%	12.444	0%	12.018	0%	2.653	3%	11.488	0%	15.81	0%	15.587	0%	-9.947	0%	12.082	0%	18.211	0%	15.255	0%
		Zone 33	0.1X	Low	7%	-3.066	-1%	9.619	0%	12.413	0%	12.029	0%	2.685	4%	11.495	0%	15.817	0%	15.589	0%	-9.944	0%	12.08	0%	18.209	0%	15.255	0%
			10X	Low	4%	-3.096	0%	9.618	0%	12.404	0%	12.013	0%	2.631	2%	11.502	0%	15.831	0%	15.613	0%	-9.955	0%	12.087	0%	18.215	0%	15.255	0%
		Zone 34	0.1X	Low	7%	-3.069	-1%	9.619	0%	12.412	0%	12.028	0%	2.681	4%	11.497	0%	15.819	0%	15.592	0%	-9.944	0%	12.08	0%	18.21	0%	15.255	0%
			10X	Low	6%	-3.071	-1%	9.619	0%	12.411	0%	12.026	0%	2.677	4%	11.499	0%	15.822	0%	15.595	0%	-9.947	0%	12.082	0%	18.211	0%	15.255	0%
		Zone 35	0.1X	Low	7%	-3.069	-1%	9.619	0%	12.412	0%	12.028	0%	2.683	4%	11.497	0%	15.818	0%	15.591	0%	-9.942	0%	12.079	0%	18.208	0%	15.255	0%
			10X	Low	6%	-3.072	-1%	9.619	0%	12.411	0%	12.026	0%	2.664	4%	11.502	0%	15.829	0%	15.605	0%	-9.972	0%	12.099	0%	18.231	0%	15.263	0%
		Zone 36	0.1X	Low	7%	-3.069	-1%	9.619	0%	12.412	0%	12.028	0%	2.682	4%	11.497	0%	15.818	0%	15.591	0%	-9.942	0%	12.078	0%	18.208	0%	15.254	0%
			10X	Low	6%	-3.071	-1%	9.619	0%	12.411	0%	12.026	0%	2.667	4%	11.5	0%	15.827	0%	15.603	0%	-9.976	0%	12.102	0%	18.239	0%	15.269	0%
		Zone 37	0.1X	Low	7%	-3.067	-1%	9.619	0%	12.412	0%	12.028	0%	2.688	5%	11.498	0%	15.819	0%	15.591	0%	-9.939	0%	12.077	0%	18.205	0%	15.253	0%
			10X	Low	3%	-3.086	0%	9.619	0%	12.407	0%	12.018	0%	2.609	1%	11.49	0%	15.819	0%	15.604	0%	-10.003	0%	12.116	0%	18.257	0%	15.274	0%
		Zone 38	0.1X	Low	7%	-3.069	-1%	9.619	0%	12.412	0%	12.028	0%	2.682	4%	11.497	0%	15.819	0%	15.592	0%	-9.944	0%	12.08	0%	18.21	0%	15.256	0%
			10X	Low	6%	-3.07	-1%	9.619	0%	12.412	0%	12.027	0%	2.676	4%	11.498	0%	15.822	0%	15.596	0%	-9.954	0%	12.087	0%	18.213	0%	15.252	0%
		Zone 39	0.1X	Low	7%	-3.069	-1%	9.619	0%	12.412	0%	12.028	0%	2.681	4%	11.497	0%	15.819	0%	15.592	0%	-9.944	0%	12.08	0%	18.209	0%	15.255	0%
			10X	Low	6%	-3.069	-1%	9.619	0%	12.412	0%	12.027	0%	2.677	4%	11.498	0%	15.821	0%	15.595	0%	-9.954	0%	12.086	0%	18.216	0%	15.256	0%
	Model Layer 10 (storage coefficient = 0.0005)	Zone 32	0.1X	Low	10%	-3.054	-1%	9.618	0%	12.413	0%	12.032	0%	2.741	7%	11.49	0%	15.802	0%	15.564	0%	-9.87	-1%	12.046	0%	18.169	0%	15.254	0%
			10X	Low	10%	-3.14	2%	9.63	0%	12.425	0%	12.023	0%	2.724	6%	11.485	0%	15.797	0%	15.562	0%	-9.872	-1%	12.047	0%	18.169	0%	15.254	0%
		Zone 33	0.1X	Low	10%	-3.059	-1%	9.619	0%	12.415	0%	12.033	0%	2.743	7%	11.488	0%	15.8	0%	15.561	0%	-9.869	-1%	12.046	0%	18.168	0%	15.254	0%
			10X	Low	7%	-3.088	0%	9.618	0%	12.406	0%	12.016	0%	2.689	5%	11.495	0%	15.814	0%	15.585	0%	-9.881	-1%	12.053	0%	18.174	0%	15.254	0%
		Zone 34	0.1X	Low	10%	-3.062	-1%	9.619	0%	12.414	0%	12.032	0%	2.74	7%	11.49	0%	15.802	0%	15.564	0%	-9.87	-1%	12.046	0%	18.168	0%	15.254	0%
			10X	Low	10%	-3.063	-1%	9.619	0%	12.413	0%	12.03	0%	2.735	6%	11.492	0%	15.804	0%	15.568	0%	-9.873	-1%	12.048	0%	18.17	0%	15.254	0%
		Zone 35	0.1X	Low	10%	-3.061	-1%	9.619	0%	12.414	0%	12.032	0%	2.741	7%	11.489	0%	15.801	0%	15.563	0%	-9.868	-1%	12.045	0%	18.167	0%	15.254	0%
			10X	Low	9%	-3.065	-1%	9.619	0%	12.413	0%	12.03	0%	2.722	6%	11.494	0%	15.811	0%	15.577	0%	-9.898	-1%	12.065	0%	18.19	0%	15.262	0%
		Zone 36	0.1X	Low	10%	-3.061	-1%	9.619	0%	12.414	0%	12.032	0%	2.741	7%	11.49	0%	15.801	0%	15.563	0%	-9.867	-1%	12.044	0%	18.166	0%	15.253	0%
			10X	Low	9%	-3.064	-1%	9.619	0%	12.413	0%	12.03	0%	2.724	6%	11.493	0%	15.811	0%	15.576	0%	-9.905	-1%	12.07	0%	18.201	0%	15.27	0%
		Zone 37	0.1X	Low	11%	-3.06	-1%	9.619	0%	12.414	0%	12.033	0%	2.748	7%	11.491	0%	15.802	0%	15.563	0%	-9.863	-1%	12.042	-1%	18.162	0%	15.251	0%
			10X	Low	5%	-3.081	0%	9.618	0%	12.408	0%	12.02	0%	2.655	3%	11.481	0%	15.801	0%	15.578	0%	-9.943	0%	12.091	0%	18.231	0%	15.281	0%
		Zone 38	0.1X	Low	10%	-3.062	-1%	9.619	0%	12.414	0%	12.032	0%	2.74	7%	11.49	0%	15.802	0%	15.564	0%	-9.869	-1%	12.046	0%	18.168	0%	15.255	0%
			10X	Low	10%	-3.062	-1%	9.619	0%	12.414	0%	12.031	0%	2.734	6%	11.491	0%	15.805	0%	15.569	0%	-9.883	-1%	12.055	0%	18.175	0%	15.253	0%
		Zone 39	0.1X	Low	10%	-3.062	-1%	9.619	0%	12.414	0%	12.032	0%	2.741	7%	11.49	0%	15.801	0%	15.563	0%	-9.868	-1%	12.045	0%	18.167	0%	15.254	0%
			10X	Low	9%	-3.063	-1%	9.619	0%	12.414	0%	12.031	0%	2.725	6%	11.493	0%	15.809	0%	15.574	0%	-9.9	-1%	12.062	0%	18.188	0%	15.258	0%
	Model Layer 1 (S.Y. = 0.15)	Zone 31	0.5X	Low	0%	-3.085	0%	9.616	0%	12.404	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	1%	-3.101	0%	9.624	0%	12.409	0%	12.017	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 32	0.5X	Low	2%	-3.057	-1%	9.618	0%	12.416	0%	12.035	0%	2.583	0%	11.462	0%	15.78	0%	15.569	0%	-9.983	0%	12.103	0%	18.238	0%	15.264	0%
			2X	Low	4%	-3.152	2%	9.617	0%	12.383	0%	11.976	0%	2.551	-1%	11.45	0%	15.766	0%	15.56	0%	-9.988	0%	12.106	0%	18.241	0%	15.264	0%
		Zone 33	0.5X	Low	1%	-3.089	0%	9.623	0%	12.412	0%	12.023	0%	2.595	1%	11.46	0%	15.776	0%	15.563	0%	-9.981	0%	12.102	0%	18.238	0%	15.264	0%
			2X	Low	2%	-3.09	0%	9.609	0%	12.39	0%	12	0%	2.527	-2%	11.452	0%	15.772	0%	15.57	0%	-9.991	0%	12.107	0%	18.243	0%	15.264	0%
		Zone 34	0.5X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.775	0%	15.565	0%	-9.985	0%	12.103	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.404	0%	12.014	0%	2.57	0%	11.459	0%	15.777	0%	15.568	0%	-9.983	0%	12.104	0%	18.239	0%	15.265	0%
		Zone 35	0.5X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.577	0%	11.458	0%	15.775	0%	15.564	0%	-9.941	0%	12.071	0%	18.209	0%	15.257	0%
			2X	Low	2%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.563	0%	11.458	0%	15.777	0%	15.569	0%	-10.065	1%	12.164	0%	18.291	0%	15.273	0%
		Zone 36	0.5X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.458	0%	15.775	0%	15.565	0%	-9.951	0%	12.069	0%	18.213	0%	15.255	0%
			2X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.57	0%	11.458	0%	15.776	0%	15.567	0%	-10.036	1%	12.15	0%	18.275	0%	15.273	0%
		Zone 37	0.5X	Low	1%	-3.087	0%	9.619	0%	12.406	0%	12.017	0%	2.591	1%	11.46	0%	15.775	0%	15.563	0%	-9.975	0%	12.1	0%	18.236	0%	15.266	0%
			2X	Low	2%	-3.094	0%	9.617	0%	12.402	0%	12.011	0%	2.536	-1%	11.453	0%	15.775	0%	15.571	0%	-10.001	0%	12.11	0%	18.245	0%	15.259	0%
		Zone 39	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.775	0%	15.566	0%	-9.983	0%	12.103	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.567	0%	-9.988	0%	12.105	0%	18.241	0%	15.264	0%
		Zone 31	0.5X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.091	0%	9.619	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 32	0.5X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.091	0%	9.619	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 33	0.5X	Low	5%	-3.071	-1%	9.621	0%	12.416	0%	12.031	0%	2.649	3%	11.5	0%	15.809	0%	15.587	0%	-9.983	0%	12.103	0%	18.238	0%	15.264	0%
			2X	Low	5%	-3.109	1%	9.613	0%	12.391	0%	11.996	0%	2.485	-3%	11.425	0%	15.74	0%	15.545	0%	-9.987	0%	12.105	0%	18.241	0%	15.265	0%

Table 5-1. Sensitivity Analysis -- Residual Statistics
units: Feet

Parameters			Multiplier	Sensitivity	absolute diff. sum	Piru basin								Fillmore basin								Santa Paula basin					
						RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)
						Default = -3.09		9.618		Default = 12.405		Default = 12.015		Default = 2.572		Default = 11.458		Default = 15.775		Default = 15.566		Default = -9.985		Default = 12.104		Default = 18.239		Default = 15.264	
Specific Yield	Model Layer 2 (S.Y. = 0.15)	Zone 34	0.5X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.575	0%	11.458	0%	15.775	0%	15.565	0%	-9.981	0%	12.103	0%	18.238	0%	15.265	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.568	0%	11.458	0%	15.775	0%	15.567	0%	-9.989	0%	12.106	0%	18.241	0%	15.263	0%
		Zone 35	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.983	0%	12.103	0%	18.238	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.988	0%	12.106	0%	18.241	0%	15.264	0%
		Zone 36	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.103	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.987	0%	12.106	0%	18.241	0%	15.264	0%
		Zone 37	0.5X	Low	1%	-3.079	0%	9.619	0%	12.408	0%	12.021	0%	2.593	1%	11.463	0%	15.78	0%	15.567	0%	-9.977	0%	12.099	0%	18.235	0%	15.263	0%
			2X	Low	3%	-3.107	1%	9.616	0%	12.397	0%	12.003	0%	2.529	-2%	11.445	0%	15.764	0%	15.561	0%	-10	0%	12.113	0%	18.247	0%	15.264	0%
		Zone 39	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Model Layer 3 (S.Y. = 0.15)	Zone 26	0.5X	Low	4%	-3.073	-1%	9.621	0%	12.415	0%	12.03	0%	2.647	3%	11.463	0%	15.783	0%	15.561	0%	-9.977	0%	12.101	0%	18.235	0%	15.264	0%
			2X	Low	7%	-3.117	1%	9.613	0%	12.388	0%	11.99	0%	2.446	-5%	11.454	0%	15.766	0%	15.577	0%	-9.997	0%	12.11	0%	18.246	0%	15.264	0%
		Zone 31	0.5X	Medium	34%	-2.307	-25%	9.355	-3%	12.288	-1%	12.071	0%	2.668	4%	11.494	0%	15.812	0%	15.587	0%	-9.973	0%	12.098	0%	18.232	0%	15.263	0%
			2X	High	61%	-4.392	42%	10.264	7%	12.913	4%	12.144	1%	2.418	-6%	11.407	0%	15.724	0%	15.539	0%	-10.002	0%	12.113	0%	18.25	0%	15.265	0%
		Zone 32	0.5X	High	106%	-0.687	-78%	9.048	-6%	12.405	0%	12.387	3%	2.972	16%	11.596	1%	15.921	1%	15.643	0%	-9.941	0%	12.082	0%	18.214	0%	15.263	0%
			2X	High	174%	-6.291	104%	11.771	22%	14.407	16%	12.962	8%	2.042	-21%	11.304	-1%	15.614	-1%	15.481	-1%	-10.033	0%	12.127	0%	18.268	0%	15.266	0%
		Zone 33	0.5X	Low	17%	-2.978	-4%	9.638	0%	12.471	1%	12.111	1%	2.849	11%	11.51	0%	15.812	0%	15.555	0%	-9.961	0%	12.092	0%	18.226	0%	15.264	0%
			2X	Medium	26%	-3.262	6%	9.589	0%	12.312	-1%	11.873	-1%	2.132	-17%	11.412	0%	15.748	0%	15.604	0%	-10.016	0%	12.119	0%	18.257	0%	15.265	0%
		Zone 34	0.5X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.775	0%	15.565	0%	-9.985	0%	12.103	0%	18.239	0%	15.263	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.404	0%	12.014	0%	2.571	0%	11.459	0%	15.777	0%	15.568	0%	-9.986	0%	12.106	0%	18.241	0%	15.265	0%
		Zone 35	0.5X	Low	11%	-3.085	0%	9.618	0%	12.407	0%	12.018	0%	2.642	3%	11.449	0%	15.764	0%	15.543	0%	-9.537	-4%	11.834	-2%	17.995	-1%	15.261	0%
			2X	Low	14%	-3.095	0%	9.618	0%	12.403	0%	12.011	0%	2.48	-4%	11.473	0%	15.795	0%	15.601	0%	-10.503	5%	12.445	3%	18.562	2%	15.305	0%
		Zone 36	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.775	0%	15.566	0%	-9.966	0%	12.086	0%	18.225	0%	15.259	0%
			2X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.569	0%	11.458	0%	15.776	0%	15.567	0%	-10.026	0%	12.143	0%	18.269	0%	15.273	0%
		Zone 37	0.5X	Low	1%	-3.085	0%	9.618	0%	12.406	0%	12.017	0%	2.596	1%	11.459	0%	15.775	0%	15.562	0%	-9.977	0%	12.1	0%	18.235	0%	15.264	0%
			2X	Low	2%	-3.098	0%	9.618	0%	12.403	0%	12.011	0%	2.53	-2%	11.453	0%	15.773	0%	15.571	0%	-9.998	0%	12.111	0%	18.247	0%	15.264	0%
		Zone 38	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.962	0%	12.081	0%	18.226	0%	15.263	0%
			2X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-10.008	0%	12.127	0%	18.255	0%	15.268	0%
		Zone 39	0.5X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.458	0%	15.774	0%	15.565	0%	-9.978	0%	12.1	0%	18.234	0%	15.263	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.569	0%	11.459	0%	15.778	0%	15.569	0%	-9.998	0%	12.112	0%	18.249	0%	15.267	0%
	Model Layer 4 (S.Y. = 0.05)	Zone 26	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 31	0.5X	Low	0%	-3.088	0%	9.617	0%	12.404	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.094	0%	9.62	0%	12.406	0%	12.015	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 32	0.5X	Low	0%	-3.084	0%	9.616	0%	12.404	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	1%	-3.101	0%	9.623	0%	12.407	0%	12.014	0%	2.57	0%	11.457	0%	15.775	0%	15.565	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 33	0.5X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.404	0%	12.014	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 34	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 35	0.5X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.458	0%	15.775	0%	15.565	0%	-9.969	0%	12.091	0%	18.227	0%	15.259	0%
			2X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.568	0%	11.458	0%	15.776	0%	15.567	0%	-10.019	0%	12.131	0%	18.266	0%	15.273	0%
		Zone 36	0.5X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.458	0%	15.775	0%	15.565	0%	-9.96	0%	12.08	0%	18.218	0%	15.255	0%
			2X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.568	0%	11.458	0%	15.777	0%	15.568	0%	-10.035	1%	12.15	0%	18.278	0%	15.277	0%
		Zone 37	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 38	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.983	0%	12.1	0%	18.236	0%	15.262	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.99	0%	12.113	0%	18.246	0%	15.269	0%
		Zone 39	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
	Model Layer 5 (S.Y. = 0.15)	Zone 26	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 31	0.5X	Low	5%	-2.978	-4%	9.565	-1%	12.376	0%	12.014	0%	2.588	1%	11.464	0%	15.782	0%	15.57	0%	-9.983	0%	12.103	0%	18.238	0%	15.264	0%
			2X	Low	10%	-3.298	7%	9.722	1%	12.467	0%	12.024	0%	2.542	-1%	11.447	0%	15.763	0%	15.559	0%	-9.988	0%	12.106	0%	18.241	0%	15.264	0%
		Zone 32	0.5X	Low	23%	-2.583	-16%	9.484	-1%	12.398	0%	12.127	1%	2.664	4%	11.493	0%	15.818	0%	15.593	0%	-9.978	0%	12.101	0%	18.235	0%	15.263	0%
			2X	Medium	37%	-3.832	24%	9.972	4%	12.649	2%	12.055	0%	2.434	-5%	11.409	0%	15.717	0%	15.529	0%	-9.995	0%	12.109	0%	18.246	0%	15.265	0%
		Zone 33	0.5X	Low	2%	-3.074	-1%	9.621	0%	12.414	0%	12.029	0%	2.602	1%	11.464	0%	15.78	0%	15.565	0%	-9.982	0%	12.103	0%	18.238	0%	15.264	0%
			2X	Low	4%	-3.12	1%	9.612	0%	12.387	0%	11.989	0%	2.514	-2%	11.446	0%	15.766	0%	15.566	0%	-9.99	0%	12.107	0%	18.242	0%	15.264	0%
		Zone 34	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 35	0.5X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.575	0%	11.458	0%	15.775	0%	15.565	0%	-9.969	0%	12.092	0%	18.227	0%	15.26	0%
			2X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.567	0%	11.458	0%	15.776	0%	15.568	0%	-10.018	0%	12.13	0%	18.265	0%	15.273	0%
		Zone 36	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.775	0%	15.566	0%	-9.977	0%	12.097	0%	18.234	0%	15.262	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.567	0%	-10	0%	12.118	0%	18.25	0%	15.267	0%
		Zone 37	0.5X	Low	2%	-3.078	0%	9.619	0%	12.409	0%	12.022	0%	2.614	2%	11.47	0%	15.783	0%	15.566	0%	-9.981	0%	12.102	0%	18.237	0%	15.264	0%
			2X	Low	4%	-3.108	1%	9.616	0%	12.397	0%	12.002	0%	2.496	-3%	11.435	0%	15.758	0%	15.561	0%	-9.99	0%	12.107	0%	18.243	0%	15.264	0%
		Zone 38	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.98	0%	12.095	0%	18.23	0%	15.257	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.567	0%	-9.996	0%	12.117	0%	18.252	0%	15.271	0%
		Zone 39	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
	Model Layer 6 (S.Y. = 0.05)	Zone 31	0.5X	Low	0%	-3.079	0%	9.613	0%	12.401	0%	12.014	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	1%	-3.111	1%	9.629	0%	12.412	0%	12.017	0%	2.57	0%	11.457	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 32	0.5X	Low	0%	-3.084	0%	9.616	0%	12.404	0%	12.016	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.1	0%	9.622	0%	12.406	0%	12.014	0%	2.57	0%	11.457	0%	15.774	0%	15.565	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 33	0.5X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 34	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 35	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		Zone 36	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
		Zone 37	0.5X	Low	1%	-3.088	0%	9.618	0%	12.406	0%	12.016	0%	2.588	1%	11.453	0%	15.77	0%	15.558	0%	-9.978	0%	12.1	0%	18.235	0%	15.263	0%
			2X	Low	2%	-3.093	0%	9.618	0%	12.403	0%	12.013	0%	2.541	-1%	11.464	0%	15.782	0%	15.578	0%	-9.998	0%	12.112	0%	18.248	0%	15.266	0%
		Zone 38	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.983	0%	12.103	0%	18.239	0%	15.264	0%
		Zone 39	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.983	0%	12.103	0%	18.238	0%	15.264	0%
			2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.571	0%	11.458	0%	15.776	0%	15.567	0%	-9.989	0%	12.106	0%	18.242	0%	15.265	0%

Table 5-1. Sensitivity Analysis -- Residual Statistics
units: Feet

Parameters		Multiplier	Sensitivity	absolute diff. sum	Piru basin								Fillmore basin								Santa Paula basin							
					RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)	RM	Diff. (%)	ARM	Diff. (%)	RMS	Diff. (%)	Std. Dev.	Diff. (%)
					Default = -3.09		9.618		Default = 12.405		Default = 12.015		Default = 2.572		Default = 11.458		Default = 15.775		Default = 15.566		Default = -9.985		Default = 12.104		Default = 18.239		Default = 15.264	
Model Layer 7 (S.Y. = 0.1)	Zone 31	0.5X	Low	12%	-2.839	-8%	9.473	-2%	12.309	-1%	11.978	0%	2.605	1%	11.468	0%	15.786	0%	15.572	0%	-9.981	0%	12.102	0%	18.237	0%	15.264	0%
		2X	Low	23%	-3.562	15%	9.885	3%	12.612	2%	12.099	1%	2.511	-2%	11.438	0%	15.754	0%	15.554	0%	-9.991	0%	12.107	0%	18.243	0%	15.264	0%
	Zone 32	0.5X	Low	9%	-2.896	-6%	9.535	-1%	12.363	0%	12.02	0%	2.606	1%	11.47	0%	15.788	0%	15.573	0%	-9.981	0%	12.102	0%	18.237	0%	15.264	0%
		2X	Low	17%	-3.452	12%	9.789	2%	12.511	1%	12.027	0%	2.508	-2%	11.436	0%	15.752	0%	15.553	0%	-9.991	0%	12.107	0%	18.243	0%	15.264	0%
	Zone 33	0.5X	Low	0%	-3.087	0%	9.618	0%	12.406	0%	12.017	0%	2.58	0%	11.458	0%	15.774	0%	15.563	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	1%	-3.095	0%	9.618	0%	12.403	0%	12.012	0%	2.555	-1%	11.455	0%	15.776	0%	15.569	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
	Zone 34	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 35	0.5X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.458	0%	15.775	0%	15.565	0%	-9.976	0%	12.097	0%	18.233	0%	15.262	0%
		2X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.569	0%	11.458	0%	15.776	0%	15.567	0%	-10.004	0%	12.119	0%	18.253	0%	15.268	0%
	Zone 36	0.5X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.577	0%	11.457	0%	15.772	0%	15.562	0%	-9.961	0%	12.085	0%	18.213	0%	15.249	0%
		2X	Low	2%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.563	0%	11.461	0%	15.782	0%	15.574	0%	-10.033	0%	12.142	0%	18.287	0%	15.29	0%
	Zone 37	0.5X	Low	12%	-3.068	-1%	9.619	0%	12.412	0%	12.028	0%	2.703	5%	11.442	0%	15.742	0%	15.51	0%	-9.722	-3%	11.931	-1%	18.039	-1%	15.196	0%
		2X	Low	20%	-3.123	1%	9.616	0%	12.392	0%	11.993	0%	2.359	-8%	11.484	0%	15.827	0%	15.652	1%	-10.444	5%	12.406	2%	18.569	2%	15.354	1%
	Zone 38	0.5X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.576	0%	11.457	0%	15.772	0%	15.562	0%	-9.967	0%	12.091	0%	18.218	0%	15.251	0%
		2X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.565	0%	11.46	0%	15.781	0%	15.572	0%	-10.019	0%	12.128	0%	18.277	0%	15.286	0%
	Zone 39	0.5X	Low	2%	-3.088	0%	9.618	0%	12.405	0%	12.016	0%	2.589	1%	11.454	0%	15.767	0%	15.555	0%	-9.953	0%	12.086	0%	18.217	0%	15.258	0%
		2X	Low	3%	-3.092	0%	9.618	0%	12.404	0%	12.014	0%	2.539	-1%	11.466	0%	15.792	0%	15.589	0%	-10.052	1%	12.141	0%	18.284	0%	15.274	0%
Model Layer 8 (S.Y. = 0.05)	Zone 31	0.5X	Low	0%	-3.089	0%	9.618	0%	12.404	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	0%	-3.085	0%	9.616	0%	12.403	0%	12.015	0%	2.573	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 32	0.5X	Low	0%	-3.091	0%	9.618	0%	12.404	0%	12.014	0%	2.571	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 33	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 34	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 35	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 36	0.5X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.575	0%	11.457	0%	15.774	0%	15.564	0%	-9.977	0%	12.099	0%	18.231	0%	15.259	0%
		2X	Low	1%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.567	0%	11.46	0%	15.78	0%	15.572	0%	-10.002	0%	12.116	0%	18.265	0%	15.284	0%
	Zone 37	0.5X	Low	3%	-3.086	0%	9.618	0%	12.406	0%	12.017	0%	2.598	1%	11.457	0%	15.769	0%	15.555	0%	-9.932	-1%	12.068	0%	18.185	0%	15.233	0%
		2X	Low	5%	-3.097	0%	9.618	0%	12.403	0%	12.012	0%	2.524	-2%	11.461	0%	15.791	0%	15.59	0%	-10.085	1%	12.172	1%	18.347	1%	15.326	0%
	Zone 38	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.776	0%	15.566	0%	-9.989	0%	12.107	0%	18.242	0%	15.265	0%
		2X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.573	0%	11.458	0%	15.775	0%	15.565	0%	-9.977	0%	12.099	0%	18.234	0%	15.263	0%
	Zone 39	0.5X	Low	0%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.574	0%	11.458	0%	15.775	0%	15.565	0%	-9.982	0%	12.102	0%	18.237	0%	15.264	0%
		2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.569	0%	11.459	0%	15.777	0%	15.568	0%	-9.991	0%	12.107	0%	18.243	0%	15.265	0%
Model Layer 9 (S.Y. = 0.1)	Zone 31	0.5X	Low	1%	-3.064	-1%	9.614	0%	12.403	0%	12.02	0%	2.576	0%	11.459	0%	15.777	0%	15.567	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	2%	-3.142	2%	9.625	0%	12.41	0%	12.007	0%	2.564	0%	11.455	0%	15.773	0%	15.565	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
	Zone 32	0.5X	Low	2%	-3.043	-2%	9.608	0%	12.396	0%	12.017	0%	2.58	0%	11.46	0%	15.778	0%	15.567	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	4%	-3.176	3%	9.631	0%	12.419	0%	12.007	0%	2.557	-1%	11.453	0%	15.771	0%	15.564	0%	-9.986	0%	12.105	0%	18.24	0%	15.264	0%
	Zone 33	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 34	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 35	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 36	0.5X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.016	0%	2.579	0%	11.456	0%	15.771	0%	15.561	0%	-9.965	0%	12.09	0%	18.217	0%	15.25	0%
		2X	Low	2%	-3.091	0%	9.618	0%	12.404	0%	12.014	0%	2.559	-1%	11.461	0%	15.785	0%	15.578	0%	-10.026	0%	12.132	0%	18.288	0%	15.295	0%
	Zone 37	0.5X	Low	13%	-3.048	-1%	9.62	0%	12.42	0%	12.041	0%	2.754	7%	11.485	0%	15.784	0%	15.543	0%	-9.835	-2%	12.01	-1%	18.095	-1%	15.19	0%
		2X	Low	22%	-3.156	2%	9.615	0%	12.383	0%	11.975	0%	2.26	-12%	11.422	0%	15.782	0%	15.621	0%	-10.27	3%	12.285	1%	18.522	2%	15.415	1%
	Zone 38	0.5X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.576	0%	11.457	0%	15.773	0%	15.563	0%	-9.972	0%	12.095	0%	18.224	0%	15.255	0%
		2X	Low	1%	-3.09	0%	9.618	0%	12.404	0%	12.014	0%	2.564	0%	11.46	0%	15.781	0%	15.573	0%	-10.012	0%	12.122	0%	18.271	0%	15.285	0%
	Zone 39	0.5X	Low	4%	-3.085	0%	9.618	0%	12.406	0%	12.018	0%	2.623	2%	11.445	0%	15.75	0%	15.532	0%	-9.891	-1%	12.053	0%	18.178	0%	15.252	0%
		2X	Low	8%	-3.098	0%	9.618	0%	12.403	0%	12.011	0%	2.477	-4%	11.484	0%	15.826	0%	15.633	0%	-10.158	2%	12.197	1%	18.35	1%	15.283	0%
Model Layer 10 (S.Y. = 0.1 except Zone 38)	Zone 32	0.5X	Low	1%	-3.077	0%	9.616	0%	12.404	0%	12.018	0%	2.575	0%	11.459	0%	15.777	0%	15.567	0%	-9.984	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	1%	-3.111	1%	9.619	0%	12.404	0%	12.009	0%	2.567	0%	11.456	0%	15.773	0%	15.564	0%	-9.985	0%	12.104	0%	18.24	0%	15.264	0%
	Zone 33	0.5X	Low	1%	-3.083	0%	9.618	0%	12.407	0%	12.019	0%	2.578	0%	11.459	0%	15.775	0%	15.565	0%	-9.984	0%	12.103	0%	18.239	0%	15.264	0%
		2X	Low	1%	-3.103	0%	9.618	0%	12.401	0%	12.008	0%	2.557	-1%	11.453	0%	15.773	0%	15.566	0%	-9.987	0%	12.105	0%	18.241	0%	15.264	0%
	Zone 34	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 35	0.5X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
		2X	Low	0%	-3.09	0%	9.618	0%	12.405	0%	12.015	0%	2.572	0%	11.458	0%	15.775	0%	15.566	0%	-9.985	0%	12.104	0%	18.239	0%	15.264	0%
	Zone 36	0.5X	Low	1%	-3.088	0%	9.618	0%	12.405	0%	12.016	0%	2.583	0%	11.455	0%	15.768	0%	15.557	0%	-9.954	0%	12.083	0%	18.204	0%	15.242	0%
		2X	Low	3%	-3.092	0%	9.618	0%	12.404	0%	12.014	0%	2.553	-1%	11.463	0%	15.79	0%	15.584	0%	-10.046	1%	12.146	0%	18.312	0%	15.311	0%
	Zone 37	0.5X	Low	8%	-3.067	-1%	9.619	0%	12.412	0%	12.029	0%	2.66	3%	11.467	0%	15.771	0%	15.547	0%	-9.852	-1%	12.014	-1%	18.103	-1%	15.189	0%
		2X	Low	13%	-3.127	1%	9.617	0%	12.394	0%	11.994	0%	2.425	-6%	11.445	0%	15.786	0%	15.601	0%	-10.207	2%	12.256	1%	18.463	1%	15.385	1%
	Zone 38 (S.Y.=0.05)	0.5X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.016	0%	2.579	0%	11.456	0%	15.77	0%	15.56	0%	-9.964	0%	12.09	0%	18.215	0%	15.249	0%
		2X	Low	2%	-3.091	0%	9.618	0%	12.404	0%	12.014	0%	2.56	0%	11.461	0%	15.784	0%	15.577	0%	-10.024	0%	12.131	0%	18.286	0%	15.294	0%
	Zone 39	0.5X	Low	1%	-3.089	0%	9.618	0%	12.405	0%	12.015	0%	2.586	1%	11.454	0%	15.768	0%	15.556	0%	-9.958	0%	12.09	0%	18.224	0%	15.263	0%
		2X	Low	2%	-3.092	0%	9.618	0%	12.405	0%	12.014	0%	2.547	-1%	11.466	0%	15.79	0%	15.585	0%	-10.031	0%	12.128	0%	18.265	0%	15.265	0%

Table 5-2. Sensitivity Analysis -- Inter-basin Flows and Stream Percolation

units: Acre-feet per year

Parameters		Multiplier	Sensitivity	diff (%)	Sum of absolute fluxes	Piru to Fillmore in System		Piru to Fillmore in System		Piru to Fillmore in System		Fillmore to Santa Paula in		Fillmore to Santa Paula in		Fillmore to Santa Paula		Santa Paula to		Santa Paula to Mound ib		Santa Paula to Mound ib		Santa Paula to Oxnard in		Santa Paula to		Santa Paula to		STR Percolation in Piru		STR Percolation in Fillmore		STR Percolation in Santa	
					Default = 129641.846	Default = 12018.990		Default = 28271.821		Default = 6703.143		Default = -3213.897		Default = -10473.213		Default = -4414.391		Default = -25.615		Default = -2855.593		Default = -3108.92		Default = -2263.948		Default = -6.86		Default = -16.337		Default = 40597.518		Default = -11438.262		Default = -4233.34	
					Sum of absolute diff	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.
SCR Underflow (5000 AFY)		0.5X (2500 AFY)	Low	2%	2761.00	11683.81	-335.18	28008.68	-263.14	6636.22	-66.93	-3190.18	23.71	-10364.33	108.88	-4392.03	22.36	-26.68	-1.07	-2868.41	-12.81	-3110.25	-1.33	-2276.84	-12.90	-6.90	-0.04	-16.35	-0.01	41882.82	1285.30	-10813.06	625.21	-4235.48	-2.14
		0.8X (4000 AFY)	Low	1%	1123.94	11943.68	-75.30	28187.54	-84.28	6679.00	-24.15	-3191.38	22.52	-10367.32	105.89	-4399.26	15.13	-26.70	-1.08	-2868.58	-12.98	-3111.27	-2.34	-2277.01	-13.07	-6.90	-0.04	-16.36	-0.02	41116.43	518.91	-11190.96	247.30	-4234.26	-0.92
		1.2X (6000 AFY)	Low	1%	1366.59	12284.17	265.18	28412.64	140.82	6733.08	29.93	-3192.84	21.06	-10370.94	102.28	-4408.33	6.06	-26.71	-1.10	-2868.79	-13.20	-3112.54	-3.62	-2277.23	-13.28	-6.90	-0.04	-16.36	-0.03	40070.68	-526.84	-11680.37	-242.11	-4232.29	1.05
		1.5X (7500 AFY)	Low	2%	2962.55	12531.52	512.53	28571.54	299.72	6771.41	68.27	-3193.82	20.08	-10373.34	99.87	-4414.73	-0.34	-26.73	-1.11	-2868.95	-13.36	-3113.44	-4.52	-2277.39	-13.44	-6.90	-0.04	-16.37	-0.03	39263.93	-1333.59	-12031.07	-592.80	-4230.48	2.86
		2X (10000 AFY)	Low	4%	5611.85	12922.89	903.90	28819.78	547.96	6832.00	128.85	-3195.25	18.65	-10376.83	96.38	-4424.63	-10.24	-26.74	-1.13	-2869.20	-13.60	-3114.83	-5.91	-2277.63	-13.68	-6.90	-0.04	-16.38	-0.04	37877.00	-2720.52	-12582.71	-1144.45	-4226.86	6.48
EVT Rate		0.1X	Medium	8%	10165.77	12810.28	791.29	28524.23	252.41	6755.66	52.52	-3181.84	32.06	-10283.47	189.74	-4411.88	2.51	-28.72	-3.11	-2891.77	-36.18	-3119.08	-10.16	-2321.03	-57.08	-6.96	-0.10	-16.40	-0.07	38353.88	-2243.64	-16244.56	-4806.29	-5921.95	-1688.61
		10X	High	33%	42678.32	8269.18	-3749.81	26249.07	-2022.76	6254.58	-448.56	-3111.93	101.96	-10365.82	107.39	-4268.57	145.83	-15.70	9.92	-2737.99	117.60	-3074.17	34.75	-1923.95	340.00	-6.55	0.31	-16.18	0.16	50590.89	9993.37	10381.69	21819.95	-447.38	3785.96
EVT Extinct Depth (5 ft)		2.5 ft	Low	1%	1455.93	12160.63	141.64	28315.22	43.40	6707.55	4.40	-3184.92	28.98	-10327.23	145.98	-4399.08	15.31	-27.26	-1.64	-2875.56	-19.97	-3113.31	-4.39	-2284.80	-20.85	-6.92	-0.06	-16.37	-0.03	40427.25	-170.27	-11914.04	-475.78	-4616.57	-383.23
		10 ft	Low	1%	1927.97	12018.99	0.00	28271.82	0.00	6703.14	0.00	-3213.90	0.00	-10473.21	0.00	-4414.39	0.00	-25.62	0.00	-2855.59	0.00	-3108.92	0.00	-2263.95	0.00	-6.86	0.00	-16.34	0.00	40982.95	385.43	-10589.67	848.60	-3539.40	693.94
HFB #9 (0.001)		0.1X (0.0001)	Medium	7%	9345.22	12128.47	109.48	28268.18	-3.64	6653.40	-49.74	-3171.27	42.63	-10259.53	213.68	-3438.73	975.67	11.95	37.57	-537.91	2317.68	-664.72	2444.20	-2388.60	-124.65	-7.79	-0.93	-19.10	-2.77	40540.67	-56.85	-12310.23	-871.97	-6327.12	-2093.78
		10X (0.01)	Medium	6%	7935.65	12101.90	82.91	28335.22	63.40	6757.16	54.02	-3219.15	-5.26	-10506.22	-33.01	-5304.25	-889.86	-43.16	-17.54	-4814.55	-1958.96	-5337.13	-2228.21	-2156.91	107.04	-6.05	0.81	-13.72	2.61	40652.08	54.56	-10589.65	848.61	-2644.49	1588.85
HFB #10 and HFB #19 (1.0E-6 to 1.0E-2)		0.1X	Low	3%	3807.20	12115.22	96.23	28301.68	29.85	6705.53	2.39	-3186.85	27.05	-10346.63	126.58	-4392.36	22.03	-28.59	-2.97	-2902.90	-47.31	-3121.01	-12.09	-351.51	1912.43	-0.77	6.09	-1.75	14.59	40596.44	-1.07	-11468.72	-30.46	-5709.39	-1476.05
		10X	Low	4%	5817.34	12113.93	94.94	28305.25	33.42	6710.75	7.61	-3205.60	8.30	-10427.95	45.26	-4463.04	-48.65	-23.57	2.04	-2805.60	49.99	-3088.85	20.07	-5298.06	-3034.12	-54.04	-47.18	-129.18	-112.85	40601.95	4.43	-11337.13	101.13	-2025.99	2207.35
HFB #73 (1.0E-7)		0.1X (1.0E-8)	Low	0%	297.39	12114.93	95.94	28302.45	30.63	6706.66	3.52	-3192.20	21.70	-10369.43	103.79	-4403.95	10.45	-26.70	-1.09	-2868.69	-13.10	-3111.93	-3.01	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.63	0.11	-11437.58	0.68	-4233.48	-0.14
		10X (1.0E-6)	Low	0%	307.85	12115.29	96.30	28301.85	30.03	6705.49	2.35	-3191.52	22.37	-10366.95	106.27	-4403.19	11.20	-26.70	-1.09	-2868.65	-13.06	-3111.81	-2.89	-2277.09	-13.15	-6.90	-0.04	-16.36	-0.02	40596.43	-1.08	-11444.95	-6.69	-4232.01	1.33
HFB #98 (1.1E-4)		0.1X (1.1E-5)	Low	0%	372.22	12114.21	95.23	28304.09	32.27	6709.00	5.86	-3198.31	15.59	-10396.07	77.14	-4439.30	-24.91	-26.77	-1.16	-2869.37	-13.77	-3113.18	-4.26	-2277.55	-13.60	-6.90	-0.04	-16.36	-0.02	40600.42	2.91	-11380.65	57.61	-4205.49	27.85
		10X (1.1E-3)	Low	0%	439.61	12115.64	96.66	28301.29	29.47	6704.97	1.83	-3184.97	28.92	-10338.31	134.90	-4386.13	28.27	-26.56	-0.95	-2867.58	-11.98	-3107.82	1.10	-2276.33	-12.38	-6.89	-0.03	-16.34	-0.01	40595.66	-1.86	-11486.62	-48.35	-4276.25	-42.91
HFB #98 (1.1E-5)		0.1X (1.1E-6)	Low	0%	297.64	12114.95	95.96	28302.43	30.61	6706.61	3.46	-3192.10	21.79	-10369.11	104.10	-4404.92	9.47	-26.72	-1.11	-2868.60	-13.01	-3112.38	-3.46	-2277.10	-13.15	-6.90	-0.04	-16.35	-0.02	40597.58	0.06	-11437.47	0.80	-4232.72	0.62
		10X (1.1E-4)	Low	0%	312.95	12115.12	96.13	28302.15	30.33	6706.15	3.01	-3192.36	21.54	-10369.86	103.35	-4396.17	18.22	-26.55	-0.93	-2869.42	-13.82	-3107.88	1.04	-2277.33	-13.38	-6.90	-0.04	-16.41	-0.08	40597.07	-0.45	-11444.15	-5.89	-4238.09	-4.75
Surface Recharge from Appiled Water	Fillmore basin only	0.5X	Low	1%	863.51	12112.26	93.27	28350.53	78.71	6712.60	9.46	-3188.73	25.17	-10362.66	110.56	-4400.32	14.07	-26.69	-1.08	-2868.51	-12.92	-3111.26	-2.34	-2276.97	-13.02	-6.90	-0.04	-16.36	-0.02	40638.65	41.13	-10979.17	459.09	-4230.71	2.64
		1.5X	Low	1%	776.42	12117.67	98.69	28254.65	-17.17	6700.57	-2.58	-3195.53	18.37	-10375.68	97.54	-4407.40	6.99	-26.72	-1.10	-2868.86	-13.26	-3112.56	-3.64	-2277.28	-13.33	-6.90	-0.04	-16.36	-0.03	40556.73	-40.79	-11898.59	-460.33	-4235.90	-2.56
	Piru basin only	0.5X	Low	0%	450.11	12062.88	43.89	28268.42	-3.40	6698.85	-4.29	-3191.92	21.97	-10368.68	104.53	-4402.55	11.84	-26.70	-1.09	-2868.65	-13.06	-3111.73	-2.81	-2277.09	-13.14	-6.90	-0.04	-16.36	-0.02	40752.50	154.99	-11363.58	74.68	-4233.69	-0.35
		1.5X	Low	0%	618.18	12166.85	147.86	28335.99	64.17	6714.16	11.02	-3192.34	21.56	-10369.70	103.52	-4405.20	9.19	-26.71	-1.09	-2868.72	-13.13	-3112.10	-3.18	-2277.16	-13.21	-6.90	-0.04	-16.36	-0.02	40441.95	-155.56	-11512.49	-74.23	-4232.94	0.40
	Santa Paula basin only	0.5X	Low	1%	1633.56	12113.02	94.03	28308.13	36.31	6714.54	11.40	-3243.04	-29.14	-10573.12	-99.90	-4482.53	-68.14	-22.07	3.54	-2815.32	40.27	-3085.45	23.47	-2248.45	15.50	-6.76	0.10	-16.23	0.11	40606.10	8.58	-11174.83	263.43	-3293.72	939.62
		1.5X	Low	2%	1964.86	12116.62	97.64	28297.58	25.76	6699.82	-3.32	-3149.96	63.93	-10203.76	269.46	-4335.22	79.17	-30.91	-5.29	-2915.78	-60.19	-3135.15	-26.23	-2298.80	-34.85	-7.02	-0.16	-16.47	-0.14	40590.22	-7.30	-11657.32	-219.06	-5305.71	-1072.37
Surface Recharge from Precipitation	Fillmore basin only	0.5X	Low	3%	3782.82	12109.81	90.82	28474.57	202.75	6764.82	61.68	-3144.00	69.90	-10265.65	207.57	-4330.50	83.89	-26.53	-0.91	-2866.48	-10.89	-3100.67	8.25	-2275.00	-11.05	-6.89	-0.03	-16.29	0.04	40781.44	183.92	-8662.53	2775.73	-4157.94	75.40
		1.5X	Low	3%	3489.08	12120.29	101.31	28136.10	-135.72	6650.21	-52.93	-3245.95	-32.06	-10474.66	-1.44	-4470.97	-56.58	-26.87	-1.25	-2870.81	-15.22	-3122.41	-13.49	-2279.13	-15.18	-6.91	-0.05	-16.42	-0.08	40419.92	-177.60	-14247.07	-2808.80	-4310.71	-77.37
	Piru basin only	0.5X	Low	2%	2458.65	11791.23	-227.76	28113.23	-158.59	6659.56	-43.58	-3191.05	22.84	-10366.59	106.63	-4396.22	18.17	-26.69	-1.07	-2868.48	-12.89	-3110.78	-1.86	-2276.93	-12.98	-6.90	-0.04	-16.35	-0.02	41970.41	1372.89	-10961.60	476.66	-4236.01	-2.67
		1.5X	Low	2%	2692.67	12426.58	407.60	28475.19	203.37	6750.05	46.90	-3193.08	20.81	-10371.47	101.74	-4410.94	3.45	-26.72	-1.10	-2868.87	-13.28	-3112.96	-4.04	-2277.31	-13.36	-6.90	-0.04	-16.37	-0.03	39176.11	-1421.41	-11890.94	-452.68	-4230.48	2.86
	Santa Paula basin only	0.5X	Low	2%	2593.83	12110.89	91.90	28314.39	42.56	6724.13	20.99	-3255.31	-41.41	-10605.34	-132.13	-4652.04	-237.65	-20.90	4.72	-2791.36	64.24	-3043.93	64.99	-2240.11	23.84	-6.69	0.17	-16.03	0.30	40616.84	19.33	-10995.49	442.77	-2826.51	1406.83
		1.5X	Low	2%	2923.21	12118.51	99.52	28292.09	20.27	6691.47	-11.68	-3136.15	77.74	-10164.02	309.19	-4191.46	222.93	-32.15	-6.54	-2939.73	-84.14	-3170.78	-61.86	-2307.85	-43.90	-7.08	-0.22	-16.64	-0.31	40580.78	-16.74	-11822.01	-383.75	-5817.77	-1584.43
Surface Recharge from Pumped Water	Fillmore basin only	0.5X	Low	5%	6340.66	12666.14	647.15	28743.36	471.54	6726.27	23.12	-3148.55	65.35	-10302.72	170.50	-4363.16	51.23	-26.56	-0.95	-2866.79	-11.20	-3104.92	4.00	-2275.43	-11.48	-6.89	-0.03	-16.32	0.02	41383.02	785.50	-7368.36	4069.91	-4204.66	28.68
		1.5X	Low	5%	5865.95	11744.93	-274.06	27809.04	-462.78	6680.66	-22.49	-3234.29	-20.39	-10431.37	41.84	-4440.83	-26.44	-26.83	-1.22	-2870.43	-14.84	-3118.29	-9.37	-2278.68	-14.74	-6.91	-0.04	-16.40	-0.06	39899.58	-697.93	-15693.21	-4254.95	-4258.15	-24.81
	Piru basin only	0.5X	Low	1%	1788.25	11783.59	-235.40	28104.95	-166.87	6663.42	-39.73	-3190.79	23.11	-10365.86	107.36	-4395.71	18.68	-26.69	-1.07	-2868.49	-12.90	-3110.77	-1.85	-2276.93	-12.98	-6.90	-0.04	-16.35	-0.02	41314.51	716.99	-10988.70	449.56	-4235.05	-1.71
		1.5X	Low	2%	2018.07	12446.30	427.31	28489.61	217.79	6747.71	44.57	-3193.36	20.54	-10372.22	100.99	-4411.65	2.74	-26.72	-1.10	-2868.87	-13.28	-3113.00	-4.08	-2277.31	-13.36	-6.90	-0.04	-16.37	-0.03	39868.08	-729.44	-11878.96	-440.69	-4231.24	2.10
	Santa Paula basin only	0.5X	Low	1%	955.34	12113.69	94.70	28306.17	34.35	6711.70	8.56	-3236.67	-22.78	-10513.66	-40.45	-4447.24	-32.85	-23.92	1.70	-2839.68	15.91	-3102.36	6.56	-2262.17	1.78	-6.82	0.04	-16.30	0.04	40603.13	5.61	-11253.63	184.64	-3727.93	505.41
		1.5X	Low	1%	1270.58	12116.18	97.19	28298.85	27.03	6701.71	-1.44	-3149.37	64.53	-10233.94	239.27	-4362.79	51.60	-29.46	-3.84	-2895.79	-40.20	-3121.15	-12.23	-2290.17	-26.23	-6.97	-0.11	-16.42	-0.08	40592.28	-5.24	-11612.38	-174.12	-4760.84	-527.50
STR Conductance for Piru Creek		0.1X	Medium	5%	6920.18	10965.09	-1053.90	27559.39	-712.44	6512.19	-190.95	-3185.22	28.68	-10349.57	123.65	-4376.46	37.93	-26.68	-1.06	-2868.52	-12.92	-3108.34	0.58	-2276.82	-12.87	-6.90	-0.04	-16.34	0.00	37667.43	-2930.09	-9651.71	1786.55	-4204.81	28.53
		10X	Medium	8%	10530.36	13915.77	1896.79	29346.65	1074.83	6988.19	285.04	-3205.25	8.65	-10407.59	65.62	-4442.65	-28.26	-26.71	-1.09	-2868.43	-12.84	-3116.56	-7.63	-2277.19	-13.24	-6.90	-0.04	-16.39	-0.05	44990.42	4392.91	-14106.82	-2668.56	-4308.16	-74.82
STR Conductance for Sespe Creek		0.1X	Low	2%	2378.13	12090.97	71.98	28741.97	470.14	6814.53	111.38	-3180.81	33.08	-10338.25	134.97	-4357.18	57.21	-26.64	-1.02	-2867.97	-12.38	-3105.42	3.50	-2276.32	-12.37	-6.89	-0.03	-16.32	0.02	41016.25	418.73	-12460.94	-1022.67	-4204.70	28.64
		10X	Low	3%	4466.87	12169.80	150.81	27293.27	-978.55	6467.80	-235.35	-3207.15	6.75	-10410.24	62.98	-4499.78	-85.39	-26.84	-1.23	-2870.33	-14.74	-3125.49	-16.57	-2278.93	-14.98	-6.91	-0.05	-16.44	-0.10	39595.99	-1001.53	-9567.18	1871.09	-4260.11	-26.77
STR Conductance for Santa Paula Creek		0.1X	Low	0%	630.37	12115.52	96.53	28300.84	29.02	6704.17	1.02	-3192.62	21.28	-10357.05	116.16	-4361.70	52.69	-26.74	-1.12	-2869.02	-13.43	-3115.91	-6.99	-2277.56	-13.61	-6.90	-0.04	-16.38	-0.05	40594.95	-2.57	-11481.20	-42.93	-4000.43	232.91
		10X	Low	1%	1357.63	12116.42	97.43	28297.97	26.15	6700.65	-2.50	-3134.80	79.10	-10168.66	304.55	-4364.80	49.60	-26.94	-1.33	-2872.21	-16.62	-3118.27	-9.34	-2279.86	-15.91	-6.91	-0.05	-16.40	-0.06	40590.90	-6.62	-11680.92	-242.65	-3727.61	505.73
STR Conductance for Santa Clara River	Piru basin only	0.1X	High	48%	61960.11	2872.62	-9146.37	19311.79	-8960.03	4795.40	-1907.74	-3105.06	108.84	-10135.62	337.59	-4047.01	367.39	-26.20	-0.59	-2864.15	-8.56	-3064.70	44.22	-2271.03	-7.08	-6.87	-0.01	-16.08	0.26	16104.60	-24492.92	4915.62	16353.89	-4008.69	224.65
		10X	Medium	5%	6614.28	10923.20	-1095.79	28663.36	391.54	6947.53	244.39	-3200.05	13.85	-10393.42	79.79	-4415.15	-0.76	-26.66	-1.05	-2868.01	-12.41	-3112.72	-3.80	-2276.64	-12.69	-6.90	-0.04	-16.36	-0.03	36667.46	-3930.06	-10670.10	768.16	-4293.27	-59.93
	Fillmore basin only	0.1X	Low	1%	1455.43	11772.57	-246.41	28302.48	30.66	6711.38	8.23	-3226.12	-12.22	-10458.90	14.31	-4422.35	-7.96	-26.80	-1.19	-2870.19	-14.60	-3116.10	-7.18	-2278.34	-14.39	-6.90	-0.04	-16.38	-0.05	40293.60	-303.91	-10696.21	742.06	-4285.56	-52.22
		10X	Low	2%	2081.90	12851.40	832.41	27585.64	-686.18	6633.99	-69.15	-3189.65	24.25	-10288.14	185.07	-4407.78	6.61	-26.60	-0.98	-2866.88	-11.29	-3110.40	-1.48	-2275.87	-11.92	-6.89	-0.03	-16.35	-0.01	40555.51	-42.01	-11646.33	-208.07	-4235.78	-2.44
	Santa Paula basin only	0.1X	Low	1%	1236.97	12114.03	95.05	28306.03	34.21	6710.68	7.54	-3301.34	-87.44	-10665.29	-192.07	-4371.26	43.13	-27.86	-2.25	-2878.78	-23.19	-3116.85	-7.92	-2353.14	-89.19	-6.93	-0.07	-16.39	-0.05	40602.60	5.08	-11130.01	308.25	-4574.87	-341.53
		10X	Low	4%	4790.54	12119.57	100.58	28287.41	15.59	6688.25	-14.89	-2797.23	416.66	-9398.77	1074.45	-4422.23	-7.84	-20.74	4.88	-2813.55	42.05	-3122.20	-13.28	-1910.60	353.35	-6.75	0.11	-16.45	-0.11	40576.65	-20.87	-12516.76	-1078.50	-2585.95	1647.39
	Oxnard and Mound basins only	0.1X	Low	0%	468.11	12114.88	95.89	28302.64	30.82	6706.92	3.77	-3192.56	21.33	-10371.15	102.06	-4410.07	4.32	-27.06	-1.44	-2894.53	-38.93	-3124.90	-15.98	-2341.56	-77.61	-7.08	-0.22	-16.56	-0.22	40597.91	0.39	-11431.52	6.74	-4164.96	68.38
		10X	Low	1%	775.88	12115.14	96.15	28301.97	30.15	6705.89	2.75	-3191.06	22.84	-10364.42	108.80	-4392.85	21.54	-26.15	-0.54	-2825.93	29.66	-3090.30	18.62	-2046.19	217.76	-6.44	0.42	-15.85	0.49	40596.61	-0.90	-11451.49	-13.23	-4445.38	-212.04
Model Layer 1	Zone 31 (1200 ft/day)	0.1X	Low	0%	296.91	12115.05	96.06	28302.39	30.57	6706.55	3.41	-3192.14	21.76	-10369.20	104.01	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.64	0.12	-11438.33	-0.07	-4233.35	-0.01
		10X	Low	0%	296.99	12114.87	95.88	28302.30	30.48	6706.53	3.39	-3192.13	21.76	-10369.20	104.01	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.20	-0.32	-11438.03	0.23	-4233.35	-0.01
	Zone 32 (1200 Ft/day)	0.1X	Low	3%	3623.59	10610.23	-1408.76	29035.92	764.10	6768.38	65.23	-3192.84	21.05	-10371.23	101.99	-4408.05	6.34	-26.71	-1.09	-2868.73	-13.13	-3112.46	-3.54	-2277.18	-13.23	-6.90	-0.04	-16.36	-0.02	40016.33	-581.19	-10796.92	641.35	-4235.87	-2.53
		10X	Low	2%	2628.37	13112.68	1093.69	27854.39	-417.43	6670.07	-33.07	-3191.82	22.08	-10368.27	104.94	-4402.25	12.14	-26.70	-1.09	-2868.68	-13.09	-3111.72	-2.80	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	41019.31	421.79	-11929.76	-491.49	-4231.81	1.53
	Zone 33 (600 ft/day)	0.1X	Low	4%	5075.74	10069.76	-1949.23	29148.47	876.65	6769.35	66.21	-3184.76	29.14	-10351.06	122.16	-4403.21	11.19	-26.68	-1.07	-2868.40	-12.80	-3111.45	-2.53	-2276.89	-12.94	-6.90	-0.04	-16.36	-0.02	39629.95	-967.57	-10423.86	1014.41	-4223.55	9.80
		10X	Low	4%	4925.80	13983.35	1964.36	27739.92	-531.90	6660.46	-42.68	-3207.31	6.59	-10406.81	66.40	-4412.42	1.97	-26.75	-1.14	-2869.34	-13.75	-3113.79	-4.86	-2277.69	-13.74	-6.90	-0.04	-16.37	-0.03	41687.74	1090.22	-12605.07	-1166.81	-4254.63	-21.29
	Zone 34 (200 Ft/day)	0.1X	Low	0%	357.14	12117.85	98.86	28284.12	12.30	6697.05	-6.10	-3163.98	49.92	-10406.71	66.50	-4418.45	-4.06	-26.72	-1.11	-2868.96	-13.36	-3114.12	-5.20	-2277.38	-13.43	-6.90	-0.04	-16.37	-0.04	40577.94	-19.58	-11489.63	-51.36	-4248.62	-15.28
		10X	Low	1%	873.35	12106.68	87.70	28350.07	78.25	6734.84	31.70	-3220.00	-6.11	-10257.04	216.17	-4357.94	56.45	-26.61	-0.99	-2867.43	-11.84	-3104.62	4.30	-2275.94	-11.99	-6.89	-0.03	-16.32	0.02	40650.06	52.54	-11694.56	-256.29	-4174.37	58.97
	Zone 35 (200 ft/day)	0.1X	Low	0%	525.86	12114.49	95.50	28303.87	32.05	6708.38	5.23	-3138.24	75.66	-10346.54	126.68	-4401.92	12.47	-26.63	-1.02	-2867.54	-11.95	-3110.79	-1.87	-2276.29	-12.34	-6.89	-0.03	-16.35	-0.01	40599.47	1.95	-11546.71	-108.45	-4192.69	40.65
		10X	Low	0%	414.05	12115.12	96.13	28301.90	30.08	6705.97	2.83	-3225.42	-11.52	-10400.23	72.98	-4403.42	10.97	-26.80	-1.19	-2870.68	-15.08	-3112.46	-3.54	-2278.34	-14.39	-6.90	-0.04	-16.36	-0.03	40596.88	-0.64	-11352.97	85.30	-4302.66	-69.32
	Zone 36 (200 ft/day)	0.1X	Low	0%	385.77	12115.02	96.03	28302.20	30.38	6706.36	3.21	-3189.89	24.01	-10359.94	113.27	-4403.64	10.75	-6.62	19.00	-2820.67	34.92	-3116.42	-7.50	-2280.81	-16.86	-6.74	0.12	-16.34	0.00	40597.24	-0.27	-11447.80	-9.54	-4253.24	-19.90
		10X	Low	0%	401.25	12114.95	95.96	28302.41	30.59	6706.60	3.45	-3193.32	20.57	-10374.09	99.13	-4403.08	11.31	-39.44	-13.83	-2900.44	-44.85	-3109.23	-0.31	-2277.09	-13.15	-6.99	-0.13	-16.37	-0.03	40597.55	0.04	-11433.80	4.46	-4296.79	-63.45
	Zone 37 (200 ft/day)	0.1X	Low	0%	434.35	12115.58	96.59	28294.63	22.80	6703.90	0.76	-3156.48	57.42	-10300.95	172.27	-4421.53	-7.14	-26.65	-1.03	-2867.59	-12.00	-3112.32	-3.40	-2276.44	-12.49	-6.89	-0.03	-16.36	-0.02	40589.89	-7.63	-11440.75	-2.48	-4195.05	38.29
		10X	Low	0%	328.59	12114.52	95.54	28327.97	56.15	6705.47	2.32	-3216.88	-2.99	-10409.29	63.92	-4403.39	11.00	-26.74	-1.13	-2869.29	-13.70	-3112.71	-3.79	-2277.60	-13.66	-6.90	-0.04	-16.36	-0.03	40615.87	18.35	-11416.33	21.93	-4257.39	-24.05
	Zone 39 (10 ft/day)	0.1X	Low	0%	296.75	12114.96	95.98	28302.36	30.54	6706.54	3.40	-3192.10	21.80	-10369.19	104.02	-4404.00	10.40	-26.70	-1.09	-2868.68	-13.09	-3111.93	-3.01	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.45	-0.06	-11438.13	0.14	-4233.35	-0.01
		10X	Low	0%	296.74	12114.98	95.99	28302.36	30.54	6706.55	3.40	-3192.19	21.71	-10369.20	104.02	-4403.80	10.59	-26.70	-1.09	-2868.69	-13.10	-3111.91	-2.99	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.48	-0.04	-11438.24	0.02	-4233.31	0.03
Model Layer 2	Zone 31 (0.1 ft/day)	0.1X	Low	0%	299.02	12114.06	95.07	28301.95	30.13	6706.40	3.26	-3192.13	21.76	-10369.20	104.02	-4403.87	10.52	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40594.90	-2.62	-11437.07	1.20	-4233.38	-0.04
		10X	Low	0%	299.18	12115.36	96.37	28302.60	30.78	6706.62	3.48	-3192.13	21.77	-10369.19	104.03	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40598.80	1.29	-11438.80	-0.54	-4233.31	0.03
	Zone 32 (0.1 ft/day)	0.1X	Low	3%	4269.21	10461.55	-1557.44	29075.03	803.21	6750.62	47.48	-3192.35	21.55	-10369.75	103.46	-4407.02	7.37	-26.71	-1.10	-2868.75	-13.16	-3112.33	-3.41	-2277.20	-13.25	-6.90	-0.04	-16.36	-0.02	39661.57	-935.95	-10678.22	760.05	-4231.60	1.74
		10X	Low	1%	1691.83	12748.24	729.25	27909.37	-362.45	6676.34	-26.80	-3191.53	22.37	-10367.48	105.74	-4400.96	13.43	-26.70	-1.09	-2868.67	-13.07	-3111.54	-2.62	-2277.09	-13.14	-6.90	-0.04	-16.36	-0.02	40789.90	192.38	-11645.45	-207.19	-4231.10	2.24
	Zone 33 (0.1 ft/day)	0.1X	Low	3%	3995.65	12013.36	-5.63	29769.92	1498.10	6687.89	-15.25	-3182.28	31.61	-10343.01	130.20	-4371.01	43.38	-26.66	-1.04	-2868.16	-12.56	-3107.28	1.64	-2276.52	-12.57	-6.89	-0.03	-16.33	0.01	41721.49	1123.97	-12532.93	-1094.67	-4208.36	24.98
		10X	Low	3%	4281.24	12582.51	563.52	26718.85	-1552.97	6682.10	-21.04	-3197.57	16.32	-10383.72	89.50	-4421.31	-6.92	-26.73	-1.11	-2868.94	-13.35	-3114.35	-5.43	-2277.43	-13.48	-6.90	-0.04	-16.37	-0.04	39551.37	-1046.15	-10501.89	936.37	-4248.35	-15.01
	Zone 34 (0.1 ft/day)	0.1X	Low	1%	948.65	12124.03	105.04	28263.11	-8.72	6674.22	-28.93	-3302.08	-88.18	-10611.16	-137.95	-4460.15	-45.76	-26.95	-1.34	-2872.38	-16.78	-3123.82	-14.90	-2280.16	-16.22	-6.91	-0.05	-16.43	-0.09	40547.89	-49.63	-11175.20	263.06	-4405.34	-172.00
		10X	Low	1%	1300.94	12105.26	86.27	28346.38	74.56	6741.14	38.00	-3088.21	125.69	-10115.53	357.68	-4344.97	69.42	-26.42	-0.81	-2864.41	-8.82	-3099.09	9.84	-2273.67	-9.72	-6.88	-0.02	-16.28	0.05	40652.20	54.69	-11723.90	-285.64	-4053.59	179.75
	Zone 35 (0.1 ft/day)	0.1X	Low	0%	414.58	12114.39	95.41	28304.23	32.41	6708.75	5.61	-3133.30	80.60	-10344.38	128.83	-4400.79	13.60	-26.64	-1.03	-2867.87	-12.28	-3110.67	-1.74	-2276.43	-12.48	-6.89	-0.03	-16.35	-0.01	40599.96	2.44	-11447.04	-8.78	-4214.01	19.33
		10X	Low	0%	285.49	12115.10	96.11	28301.96	30.13	6706.02	2.88	-3207.84	6.06	-10375.77	97.44	-4404.67	9.72	-26.72	-1.10	-2868.86	-13.27	-3112.22	-3.30	-2277.28	-13.33	-6.90	-0.04	-16.36	-0.02	40596.92	-0.60	-11430.37	7.90	-4236.93	-3.59
	Zone 36 (0.1 ft/day)	0.1X	Low	0%	458.25	12115.17	96.19	28301.84	30.02	6705.74	2.60	-3189.66	24.24	-10358.85	114.37	-4392.26	22.13	-26.07	-0.45	-2872.61	-17.02	-3114.79	-5.87	-2282.02	-18.07	-6.91	-0.05	-16.38	-0.04	40596.60	-0.92	-11458.25	-19.98	-4127.03	106.31
		10X	Low	0%	320.48	12114.92	95.94	28302.51	30.69	6706.71	3.57	-3192.83	21.07	-10372.08	101.14	-4405.85	8.54	-26.82	-1.21	-2867.58	-11.98	-3111.46	-2.54	-2275.72	-11.78	-6.89	-0.03	-16.36	-0.02	40597.70	0.18	-11433.72	4.54	-4260.60	-27.26
	Zone 37 (100ft/day)	0.1X	Low	0%	313.79	12115.26	96.28	28302.99	31.17	6706.27	3.12	-3188.52	25.37	-10364.84	108.37	-4405.10	9.29	-26.70	-1.08	-2868.60	-13.01	-3111.95	-3.03	-2277.07	-13.12	-6.90	-0.04	-16.36	-0.02	40598.27	0.76	-11444.31	-6.05	-4230.25	3.09
		10X	Low	0%	306.45	12114.20	95.21	28305.00	33.18	6709.21	6.07	-3208.70	5.19	-10387.77	85.45	-4397.91	16.48	-26.72	-1.11	-2869.03	-13.43	-3111.66	-2.74	-2277.34	-13.40	-6.90	-0.04	-16.36	-0.02	40601.05	3.53	-11420.39	17.87	-4246.07	-12.73
	Zone 39 (10 ft/day)	0.1X	Low	0%	296.66	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.91	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.01	-4233.34	0.00
		10X	Low	0%	296.78	12114.97	95.98	28302.40	30.58	6706.56	3.41	-3192.17	21.73	-10369.19	104.02	-4403.81	10.58	-26.70	-1.09	-2868.69	-13.10	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.32	-0.05	-4233.32	0.02
Model Layer 3	Zone 26 (600 ft/day)	0.1X	Low	2%	2452.38	12142.68	123.69	27625.04	-646.78	6649.97	-53.17	-3180.41	33.49	-10342.03	131.19	-4420.43	-6.04	-26.68	-1.07	-2868.27	-12.68	-3113.38	-4.46	-2276.89	-12.94	-6.90	-0.04	-16.37	-0.03	40034.14	-563.38	-10579.33	858.93	-4228.84	4.50
		10X	Low	4%	4743.31	12053.89	34.90	29713.81	1441.99	6824.44	121.29	-3217.15	-3.25	-10426.54	46.67	-4369.20	45.19	-26.76	-1.15	-2869.77	-14.18	-3109.10	-0.17	-2277.81	-13.86	-6.90	-0.04	-16.34	-0.01	41754.16	1156.64	-13299.56	-1861.29	-4236.01	-2.67
	Zone 31 (1200 ft/day)	0.1X	Low	2%	2887.58	11430.85	-588.13	27854.96	-416.86	6595.47	-107.67	-3189.34	24.56	-10362.18	111.03	-4386.27	28.12	-26.67	-1.06	-2868.28	-12.69	-3109.43	-0.51	-2276.71	-12.76	-6.90	-0.04	-16.34	-0.01	40036.69	-560.83	-10417.64	1020.62	-4236.04	-2.70
		10X	Low	2%	2143.08	12526.00	507.01	28544.87	273.05	6769.13	65.99	-3193.07	20.83	-10371.18	102.03	-4413.32	1.07	-26.73	-1.11	-2868.98	-13.39	-3113.32	-4.40	-2277.40	-13.45	-6.90	-0.04	-16.37	-0.03	40069.79	-527.73	-12043.68	-605.42	-4225.80	7.54
	Zone 32 (1200 ft/day)	0.1X	Medium	8%	9874.04	8353.04	-3665.94	28905.23	633.41	6922.87	219.73	-3190.40	23.49	-10365.39	107.82	-4390.17	24.22	-26.67	-1.05	-2868.20	-12.61	-3109.66	-0.74	-2276.66	-12.71	-6.90	-0.03	-16.35	-0.01	38217.24	-2380.28	-8655.01	2783.25	-4242.08	-8.74
		10X	Medium	7%	8735.82	15605.90	3586.92	27848.07	-423.75	6165.82	-537.33	-3189.06	24.84	-10360.01	113.20	-4395.17	19.22	-26.70	-1.09	-2868.88	-13.28	-3111.38	-2.46	-2277.17	-13.23	-6.90	-0.04	-16.36	-0.02	41859.96	1262.45	-14156.37	-2718.10	-4213.43	19.91
	Zone 33 (400 ft/day)	0.1X	High	12%	15828.88	6279.72	-5739.27	29389.01	1117.19	6873.22	170.08	-3159.23	54.66	-10290.18	183.04	-4406.19	8.21	-26.61	-1.00	-2867.41	-11.82	-3110.59	-1.67	-2276.07	-12.12	-6.89	-0.03	-16.35	-0.01	36799.96	-3797.55	-6740.60	4697.67	-4198.78	34.56
		10X	High	35%	45233.13	28696.60	16677.61	24848.51	-3423.31	6087.91	-615.24	-3269.45	-55.55	-10548.26	-75.04	-4289.06	125.33	-26.82	-1.21	-2871.14	-15.55	-3101.69	7.23	-2278.45	-14.50	-6.90	-0.04	-16.30	0.04	50922.81	10325.30	-25281.82	-13843.56	-4286.97	-53.63
	Zone 34 (100 ft/day)	0.1X	Low	2%	2135.37	12115.29	96.30	28284.38	12.56	6707.96	4.82	-2399.79	814.11	-10453.61	19.60	-4417.63	-3.23	-26.17	-0.56	-2860.78	-5.19	-3104.35	4.58	-2271.09	-7.14	-6.87	-0.01	-16.31	0.03	40584.76	-12.76	-12320.49	-882.22	-3961.08	272.27
		10X	Low	5%	6390.11	12123.30	104.31	28342.68	70.86	6667.15	-35.99	-4498.19	-1284.30	-11421.33	-948.12	-4484.48	-70.09	-27.95	-2.34	-2886.99	-31.40	-3147.16	-38.24	-2291.30	-27.35	-6.97	-0.11	-16.58	-0.24	40602.32	4.80	-8616.06	2822.20	-5183.10	-949.76
	Zone 35 (100 ft/day)	0.1X	Low	5%	6087.60	12118.91	99.92	28289.44	17.62	6692.92	-10.23	-425.16	2788.74	-11643.49	-1170.28	-4478.43	-64.04	-24.71	0.91	-2838.80	16.79	-3113.58	-4.66	-2252.90	11.05	-6.81	0.06	-16.35	-0.01	40579.54	-17.98	-12651.15	-1212.89	-3560.90	672.44
		10X	High	15%	19423.09	12094.71	75.72	28368.48	96.66	6781.32	78.18	-11097.85	-7883.95	-8555.23	1917.98	-4168.73	245.67	-30.82	-5.20	-2937.28	-81.68	-3086.93	21.99	-2323.16	-59.21	-7.10	-0.24	-16.26	0.08	40690.96	93.44	-6641.71	4796.55	-8299.87	-4066.53
	Zone 36 (100 ft/day)	0.1X	Low	1%	979.31	12115.60	96.62	28300.60	28.78	6704.05	0.91	-3177.65	36.25	-10308.84	164.38	-4377.99	36.40	-28.61	-2.99	-2897.17	-41.58	-3118.96	-10.03	-2202.87	61.08	-7.00	-0.14	-16.45	-0.12	40594.76	-2.75	-11518.97	-80.71	-3816.77	416.57
		10X	Low	2%	2218.11	12113.00	94.01	28308.28	36.46	6714.55	11.41	-3249.89	-35.99	-10610.77	-137.56	-4469.50	-55.11	-23.37	2.25	-2800.59	55.01	-3094.99	13.93	-2329.90	-65.95	-6.66	0.20	-16.18	0.16	40606.25	8.73	-11147.46	290.80	-5643.89	-1410.55
	Zone 37 (100 ft/day)	0.1X	Low	0%	378.93	12115.24	96.26	28302.26	30.44	6707.05	3.91	-3137.00	76.89	-10387.89	85.33	-4405.93	8.46	-26.68	-1.07	-2868.29	-12.69	-3112.07	-3.15	-2276.86	-12.91	-6.90	-0.04	-16.36	-0.02	40598.78	1.27	-11470.20	-31.94	-4218.78	14.56
		10X	Low	0%	407.38	12113.39	94.40	28310.88	39.06	6707.80	4.65	-3256.65	-42.76	-10384.14	89.08	-4396.22	18.17	-26.75	-1.14	-2869.50	-13.91	-3111.93	-3.01	-2277.70	-13.75	-6.90	-0.04	-16.36	-0.02	40602.46	4.95	-11385.13	53.13	-4262.65	-29.31
	Zone 38 (100 ft/day)	0.1X	Low	1%	1482.76	12115.47	96.48	28300.93	29.11	6704.51	1.36	-3179.71	34.18	-10317.12	156.10	-4383.41	30.99	-1.41	24.21	-2948.27	-92.68	-3118.88	-9.96	-1427.72	836.22	-7.32	-0.46	-16.68	-0.34	40595.32	-2.20	-11505.32	-67.06	-4334.74	-101.40
		10X	Low	1%	1013.21	12114.55	95.56	28303.63	31.81	6708.27	5.13	-3202.86	11.04	-10414.20	59.01	-4420.64	-6.25	-76.30	-50.68	-2791.49	64.10	-3107.39	1.53	-2363.81	-99.87	-6.76	0.10	-16.28	0.05	40599.39	1.87	-11381.10	57.17	-4762.38	-529.04
	Zone 39 (10 ft/day)	0.1X	Low	0%	301.47	12114.92	95.93	28302.47	30.64	6706.62	3.48	-3192.61	21.28	-10372.07	101.14	-4404.13	10.26	-26.70	-1.09	-2868.63	-13.03	-3111.85	-2.93	-2277.09	-13.14	-6.90	-0.04	-16.36	-0.02	40597.60	0.08	-11435.19	3.07	-4238.68	-5.34
		10X	Low	0%	318.33	12115.05	96.06	28302.32	30.50	6706.46	3.31	-3191.29	22.61	-10364.07	109.14	-4403.71	10.68	-26.71	-1.09	-2868.79	-13.19	-3111.99	-3.07	-2277.18	-13.24	-6.90	-0.04	-16.36	-0.02	40597.43	-0.09	-11443.56	-5.30	-4223.34	10.00
Model Layer 4	Zone 26 (400 ft/day)	0.1X	Low	0%	301.26	12115.15	96.16	28298.16	26.34	6706.20	3.06	-3192.07	21.83	-10369.04	104.17	-4404.00	10.39	-26.70	-1.09	-2868.68	-13.09	-3111.93	-3.01	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40594.04	-3.48	-11432.86	5.40	-4233.33	0.01
		10X	Low	0%	393.83	12113.65	94.66	28334.10	62.28	6709.14	6.00	-3192.71	21.19	-10370.53	102.68	-4403.17	11.22	-26.71	-1.09	-2868.71	-13.12	-3111.86	-2.94	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40623.62	26.10	-11477.39	-39.13	-4233.52	-0.18
	Zone 31 (1000 ft/day)	0.1X	Low	0%	300.12	12107.95	88.96	28298.41	26.59	6705.52	2.37	-3192.11	21.78	-10369.15	104.07	-4403.74	10.65	-26.70	-1.09	-2868.68	-13.09	-3111.89	-2.97	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40592.46	-5.06	-11428.09	10.17	-4233.42	-0.08
		10X	Low	0%	521.45	12171.57	152.58	28334.70	62.88	6715.05	11.90	-3192.28	21.62	-10369.53	103.68	-4405.13	9.26	-26.71	-1.09	-2868.72	-13.13	-3112.10	-3.18	-2277.16	-13.21	-6.90	-0.04	-16.36	-0.02	40642.84	45.32	-11521.05	-82.78	-4232.59	0.76
	Zone 32 (1000 ft/day)	0.1X	Low	0%	313.99	12108.07	89.08	28279.63	7.81	6709.23	6.08	-3192.12	21.77	-10369.18	104.03	-4403.80	10.59	-26.70	-1.09	-2868.68	-13.09	-3111.90	-2.98	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40579.10	-18.41	-11412.55	25.71	-4233.46	-0.12
		10X	Low	1%	814.62	12295.16	276.17	28329.25	57.43	6686.01	-17.13	-3192.13	21.76	-10369.11	104.10	-4404.46	9.93	-26.71	-1.09	-2868.72	-13.13	-3112.03	-3.11	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40713.40	115.89	-11618.67	-180.41	-4232.14	1.20
	Zone 33 (200 ft/day)	0.1X	Low	0%	564.25	12059.50	40.51	28197.27	-74.55	6715.88	12.74	-3191.61	22.29	-10367.87	105.34	-4403.38	11.01	-26.70	-1.09	-2868.66	-13.07	-3111.83	-2.91	-2277.10	-13.15	-6.90	-0.04	-16.36	-0.02	40477.30	-120.22	-11291.76	146.51	-4232.54	0.80
		10X	Low	3%	3814.34	12487.47	468.48	29218.09	946.27	6634.33	-68.81	-3196.49	17.41	-10380.04	93.17	-4407.48	6.91	-26.72	-1.10	-2868.87	-13.27	-3112.58	-3.66	-2277.30	-13.35	-6.90	-0.04	-16.36	-0.03	41571.13	973.61	-12640.26	-1202.00	-4239.56	-6.22
	Zone 34 (100 ft/day)	0.1X	Low	0%	388.37	12115.02	96.03	28301.63	29.81	6706.48	3.34	-3170.54	43.36	-10352.48	120.74	-4404.88	9.51	-26.68	-1.06	-2868.29	-12.70	-3111.54	-2.62	-2276.82	-12.88	-6.90	-0.04	-16.36	-0.02	40596.91	-0.61	-11479.43	-41.17	-4218.84	14.50
		10X	Low	1%	834.26	12115.33	96.34	28306.42	34.60	6704.49	1.34	-3327.25	-113.35	-10546.24	-73.02	-4403.27	11.12	-26.91	-1.30	-2871.80	-16.21	-3115.89	-6.97	-2279.52	-15.57	-6.91	-0.05	-16.38	-0.05	40599.16	1.64	-11097.69	340.57	-4355.48	-122.14
	Zone 35 (1 ft/day)	0.1X	Low	1%	1393.72	12112.12	93.13	28310.57	38.75	6717.44	14.29	-3089.80	124.09	-10905.69	-432.48	-4464.99	-50.60	-24.50	1.11	-2831.88	23.71	-3097.28	11.65	-2252.87	11.08	-6.78	0.08	-16.25	0.09	40609.61	12.09	-11027.55	410.72	-4403.19	-169.85
		10X	Low	0%	338.05	12115.09	96.10	28302.09	30.27	6705.94	2.80	-3124.22	89.68	-10440.48	32.74	-4389.78	24.61	-27.15	-1.53	-2875.91	-20.31	-3114.00	-5.08	-2281.62	-17.68	-6.92	-0.06	-16.38	-0.04	40597.01	-0.51	-11440.88	-2.62	-4247.37	-14.03

Table 5-2. Sensitivity Analysis -- Inter-basin Flows and Stream Percolation

units: Acre-feet per year

Parameters			Multiplier	Sensitivity	diff (%)	Sum of absolute fluxes Default = 129641.846	Piru to Fillmore in System Default = 12018.990		Piru to Fillmore in System Default = 28271.821		Piru to Fillmore in System Default = 6703.143		Fillmore to Santa Paula in Default = -3213.897		Fillmore to Santa Paula in Default = -10473.213		Fillmore to Santa Paula Default = -4414.391		Santa Paula to Default = -25.615		Santa Paula to Mound ib Default = -2855.593		Santa Paula to Mound ib Default = -3108.92		Santa Paula to Oxnard in Default = -2263.948		Santa Paula to Default = -6.86		Santa Paula to Default = -16.337		STR Percolation in Piru Default = 40597.518		STR Percolation in Fillmore Default = -11438.262		STR Percolation in Santa Default = -4233.34	
						Sum of absolute diff	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.
Horizontal Hydraulic Conductivity		Zone 36 (1 ft/day)	0.1X	Low	0%	469.31	12115.06	96.07	28302.12	30.30	6706.16	3.02	-3190.11	23.79	-10361.05	112.16	-4399.44	14.95	-22.76	2.86	-2871.68	-16.09	-3113.50	-4.58	-2281.21	-17.26	-6.90	-0.04	-16.37	-0.03	40597.09	-0.43	-11450.56	-12.30	-4097.91	135.44
			10X	Low	0%	551.80	12114.69	95.70	28303.17	31.35	6707.62	4.47	-3198.55	15.35	-10395.78	77.43	-4414.46	-0.07	-27.40	-1.78	-2850.54	5.05	-3109.56	-0.64	-2260.94	3.01	-6.84	0.02	-16.33	0.01	40598.73	1.21	-11402.88	35.38	-4513.66	-280.32
		Zone 37 (100 ft/day)	0.1X	Low	0%	304.35	12115.40	96.41	28300.55	28.72	6705.00	1.86	-3190.53	23.37	-10367.63	105.59	-4405.22	9.17	-26.70	-1.09	-2868.66	-13.07	-3112.03	-3.11	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40595.24	-2.28	-11432.65	5.61	-4232.50	0.85
			10X	Low	0%	299.27	12114.05	95.06	28305.67	33.85	6710.24	7.10	-3207.00	6.90	-10386.62	86.59	-4397.76	16.63	-26.72	-1.11	-2868.99	-13.40	-3111.61	-2.69	-2277.33	-13.38	-6.90	-0.04	-16.36	-0.02	40602.10	4.58	-11431.28	6.99	-4244.28	-10.94
		Zone 38 (1 ft/day)	0.1X	Low	0%	575.57	12115.15	96.17	28301.85	30.03	6705.80	2.66	-3186.84	27.06	-10347.11	126.11	-4397.39	17.00	-38.32	-12.71	-2826.12	29.47	-3116.65	-7.73	-2261.67	2.28	-6.83	0.03	-16.38	-0.04	40596.68	-0.84	-11465.14	-26.88	-4036.74	196.60
			10X	Low	0%	382.77	12114.95	95.96	28302.46	30.63	6706.63	3.48	-3192.95	20.94	-10372.61	100.60	-4404.06	10.34	-3.08	22.53	-2921.28	-65.69	-3110.36	-1.44	-2278.00	-14.05	-6.95	-0.09	-16.36	-0.03	40597.60	0.08	-11434.78	3.48	-4246.76	-13.42
		Zone 39 (10 ft/day)	0.1X	Low	0%	297.11	12114.96	95.97	28302.41	30.58	6706.56	3.42	-3192.17	21.72	-10369.46	103.75	-4403.94	10.46	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11437.96	0.30	-4233.85	-0.51
			10X	Low	0%	305.59	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.46	-0.06	-11440.53	-2.27	-4229.43	3.91
	Model Layer 5	Zone 26 (400 ft/day)	0.1X	Low	2%	2114.47	12139.66	120.67	27714.66	-557.16	6658.76	-44.39	-3181.51	32.38	-10344.52	128.69	-4417.52	-3.13	-26.68	-1.07	-2868.29	-12.70	-3113.07	-4.15	-2276.89	-12.94	-6.90	-0.04	-16.37	-0.03	40113.72	-483.80	-10728.80	709.46	-4229.47	3.87
			10X	Low	4%	4766.25	12052.40	33.41	29724.38	1452.56	6824.44	121.30	-3216.82	-2.92	-10425.73	47.48	-4368.91	45.48	-26.76	-1.15	-2869.76	-14.17	-3109.03	-0.11	-2277.79	-13.85	-6.90	-0.04	-16.34	-0.01	41758.36	1160.84	-13309.33	-1871.07	-4235.21	-1.87
		Zone 31 (1000 ft/day)	0.1X	Low	0%	549.74	11979.40	-39.59	28220.62	-51.20	6687.64	-15.51	-3191.74	22.16	-10368.28	104.94	-4400.76	13.63	-26.70	-1.08	-2868.60	-13.00	-3111.46	-2.54	-2277.04	-13.09	-6.90	-0.04	-16.36	-0.02	40526.09	-71.43	-11238.49	199.77	-4235.09	-1.75
			10X	Low	0%	614.73	12214.37	195.38	28357.06	85.24	6720.04	16.89	-3192.25	21.65	-10369.38	103.83	-4405.91	8.48	-26.71	-1.09	-2868.76	-13.17	-3112.23	-3.31	-2277.19	-13.25	-6.90	-0.04	-16.36	-0.02	40600.73	3.21	-11584.95	-146.69	-4230.87	2.47
		Zone 32 (1000 ft/day)	0.1X	Medium	7%	9553.93	9810.54	-2208.45	27010.66	-1261.16	6884.80	181.66	-3188.13	25.77	-10359.30	113.92	-4380.46	33.93	-26.66	-1.04	-2868.09	-12.49	-3108.47	0.45	-2276.51	-12.57	-6.89	-0.03	-16.34	0.00	37959.58	-2637.94	-8377.93	3060.33	-4237.53	-4.19
			10X	Medium	7%	8718.26	15272.81	3253.82	28719.17	447.34	6032.75	-670.39	-3189.42	24.47	-10360.51	112.71	-4396.91	17.48	-26.71	-1.09	-2868.99	-13.40	-3111.64	-2.72	-2277.26	-13.31	-6.90	-0.04	-16.36	-0.02	41715.35	1117.83	-14457.26	-3019.00	-4208.69	24.65
		Zone 33 (200 ft/day)	0.1X	Medium	8%	10170.68	12853.75	834.76	24618.89	-3652.93	6753.66	50.52	-3155.42	58.48	-10281.13	192.08	-4413.94	0.45	-26.61	-1.00	-2867.33	-11.74	-3111.39	-2.47	-2276.09	-12.14	-6.89	-0.03	-16.36	-0.02	38249.95	-2347.57	-8471.05	2967.22	-4194.07	39.27
			10X	High	37%	48137.39	7081.55	-4937.44	46669.23	18397.41	5920.75	-782.40	-3282.87	-68.97	-10581.25	-108.03	-4298.72	115.67	-26.87	-1.25	-2871.72	-16.13	-3103.51	5.41	-2278.97	-15.02	-6.90	-0.04	-16.31	0.03	50701.31	10103.79	-24956.74	-13518.48	-4300.65	-67.31
		Zone 34 (100 ft/day)	0.1X	Low	2%	2800.71	12115.03	96.04	28276.79	4.97	6710.15	7.01	-3058.73	155.17	-9493.79	979.42	-4422.78	-8.39	-25.91	-0.29	-2856.83	-1.24	-3100.00	8.92	-2268.00	-4.06	-6.86	0.00	-16.28	0.05	40580.66	-16.86	-12562.01	-1123.75	-3838.79	394.55
			10X	Medium	5%	7101.89	12121.92	102.93	28369.00	97.17	6669.68	-33.47	-3989.50	-775.60	-12250.59	-1777.38	-4483.21	-68.82	-28.10	-2.48	-2888.99	-33.40	-3150.47	-41.55	-2292.77	-28.82	-6.97	-0.11	-16.60	-0.26	40622.53	25.01	-8409.77	3028.50	-5319.72	-1086.38
		Zone 35 (100 ft/day)	0.1X	Medium	6%	7740.63	12121.67	102.68	28279.85	8.03	6682.42	-20.73	-4018.26	-804.36	-7105.75	3367.47	-4552.29	-137.89	-22.74	2.88	-2807.20	48.39	-3112.92	-4.00	-2231.82	32.13	-6.71	0.15	-16.33	0.01	40566.57	-30.95	-13405.40	-1967.14	-3019.51	1213.83
			10X	High	19%	24919.72	12083.72	64.73	28405.25	133.43	6822.41	119.26	-1892.13	1321.77	-20325.37	-9852.16	-3985.08	429.32	-33.64	-8.02	-3029.47	-173.87	-3079.36	29.56	-2371.08	-107.13	-7.37	-0.51	-16.28	0.06	40741.42	143.91	-4682.26	6756.00	-10013.33	-5779.99
		Zone 36 (100 ft/day)	0.1X	Low	2%	2444.59	12117.82	98.83	28294.49	22.67	6695.40	-7.74	-3135.00	78.90	-10131.47	341.74	-4277.41	136.99	-21.11	4.50	-2883.36	-27.77	-3160.06	-51.14	-2073.99	189.96	-7.08	-0.22	-16.71	-0.38	40585.20	-12.31	-11776.54	-338.27	-3100.19	1133.15
			10X	Low	3%	3393.83	12111.03	92.04	28314.15	42.33	6722.33	19.18	-3313.08	-99.18	-10876.98	-403.77	-4520.74	-106.35	-32.60	-6.99	-2867.97	-12.38	-3071.77	37.15	-2454.21	-190.26	-6.82	0.04	-16.08	0.26	40615.11	17.59	-10838.10	600.16	-5999.50	-1766.16
		Zone 37 (100 ft/day)	0.1X	Low	0%	630.72	12114.31	95.32	28372.16	100.33	6705.31	2.16	-3197.28	16.61	-10294.89	178.32	-4410.58	3.81	-26.66	-1.04	-2867.94	-12.35	-3111.67	-2.75	-2276.59	-12.64	-6.90	-0.03	-16.36	-0.02	40653.65	56.13	-11562.94	-124.67	-4208.83	24.51
			10X	Low	0%	314.68	12107.03	88.04	28269.52	-2.30	6731.12	27.98	-3219.36	-5.47	-10455.20	18.01	-4384.93	29.46	-26.77	-1.16	-2869.83	-14.23	-3111.28	-2.36	-2277.89	-13.95	-6.90	-0.04	-16.36	-0.02	40578.92	-18.60	-11382.46	55.80	-4270.61	-37.26
		Zone 38 (100 ft/day)	0.1X	Low	1%	1137.85	12115.68	96.69	28300.35	28.53	6703.70	0.55	-3175.40	38.50	-10299.20	174.01	-4374.49	39.90	-15.12	10.49	-2779.98	75.61	-3119.88	-10.96	-2207.41	56.53	-7.21	-0.35	-16.50	-0.16	40594.41	-3.10	-11530.45	-92.19	-3723.08	510.26
			10X	Low	1%	905.71	12114.49	95.50	28303.78	31.96	6708.49	5.35	-3203.72	10.18	-10417.83	55.39	-4423.40	-9.01	-12.41	13.21	-2893.42	-37.83	-3108.51	0.41	-2261.04	2.91	-6.72	0.14	-16.30	0.04	40599.62	2.10	-11375.28	62.99	-4812.06	-578.72
		Zone 39 (10 ft/day)	0.1X	Low	0%	297.30	12114.96	95.97	28302.41	30.59	6706.56	3.42	-3192.19	21.71	-10369.55	103.66	-4403.96	10.43	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.53	0.01	-11437.85	0.42	-4234.05	-0.71
			10X	Low	0%	307.61	12115.01	96.02	28302.34	30.52	6706.49	3.35	-3191.79	22.11	-10366.88	106.33	-4403.32	11.07	-26.71	-1.09	-2868.74	-13.14	-3111.98	-3.06	-2277.16	-13.21	-6.90	-0.04	-16.36	-0.02	40597.45	-0.07	-11441.04	-2.77	-4228.53	4.81
	Model Layer 6	Zone 31 (1 ft/day)	0.1X	Low	0%	333.35	12089.64	70.65	28288.36	16.53	6700.75	-2.39	-3192.09	21.81	-10369.10	104.11	-4403.29	11.10	-26.70	-1.09	-2868.67	-13.07	-3111.83	-2.91	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40560.22	-37.30	-11399.66	38.60	-4233.91	-0.57
			10X	Low	0%	321.55	12120.27	101.28	28305.40	33.58	6707.75	4.61	-3192.14	21.76	-10369.21	104.00	-4404.02	10.37	-26.70	-1.09	-2868.69	-13.10	-3111.94	-3.01	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40604.92	7.41	-11446.24	-7.98	-4233.21	0.13
		Zone 32 (1 ft/day)	0.1X	Low	2%	3137.51	12999.03	980.04	27149.10	-1122.72	6563.42	-139.72	-3189.72	24.18	-10362.50	110.71	-4391.34	23.05	-26.69	-1.07	-2868.54	-12.95	-3110.22	-1.30	-2276.93	-12.99	-6.90	-0.04	-16.35	-0.01	40255.35	-342.17	-11079.86	358.40	-4225.18	8.16
			10X	Low	2%	2137.30	11349.59	-669.40	29196.32	924.50	6769.45	66.31	-3193.53	20.37	-10373.06	100.15	-4411.16	3.23	-26.71	-1.10	-2868.77	-13.18	-3112.90	-3.98	-2277.24	-13.29	-6.90	-0.04	-16.37	-0.03	40748.27	150.76	-11604.58	-166.31	-4238.01	-4.67
		Zone 33 (1 ft/day)	0.1X	Low	1%	1830.67	11297.71	-721.28	29038.83	767.01	6714.73	11.59	-3192.52	21.37	-10369.95	103.27	-4401.40	12.99	-26.70	-1.09	-2868.69	-13.10	-3111.65	-2.73	-2277.10	-13.16	-6.90	-0.04	-16.36	-0.02	40537.76	-59.76	-11335.44	102.82	-4233.81	-0.47
			10X	Low	2%	1993.19	12921.43	902.44	27643.68	-628.14	6715.25	12.11	-3193.52	20.38	-10373.09	100.12	-4411.70	2.69	-26.71	-1.10	-2868.77	-13.18	-3112.95	-4.03	-2277.24	-13.29	-6.90	-0.04	-16.37	-0.03	40724.83	127.31	-11601.91	-163.65	-4238.04	-4.70
		Zone 34 (1 ft/day)	0.1X	Low	0%	427.45	12120.08	101.09	28287.65	15.83	6688.01	-15.13	-3074.01	139.89	-10481.51	-8.30	-4456.31	-41.92	-26.73	-1.12	-2868.88	-13.28	-3118.86	-9.94	-2277.57	-13.63	-6.90	-0.04	-16.40	-0.06	40574.83	-22.69	-11415.84	22.43	-4255.45	-22.11
			10X	Low	0%	433.78	12113.17	94.18	28307.80	35.98	6713.05	9.90	-3269.73	-55.83	-10318.62	154.59	-4382.51	31.88	-26.71	-1.09	-2868.86	-13.26	-3109.36	-0.44	-2277.13	-13.18	-6.90	-0.04	-16.34	-0.01	40605.60	8.08	-11423.72	14.54	-4234.10	-0.76
		Zone 35 (1 ft/day)	0.1X	Low	0%	397.05	12115.40	96.41	28301.59	29.77	6705.45	2.31	-3088.84	125.06	-10473.92	-0.71	-4458.13	-43.74	-26.16	-0.55	-2859.31	-3.72	-3108.44	0.48	-2271.30	-7.35	-6.87	-0.01	-16.33	0.00	40596.20	-1.32	-11411.18	27.08	-4174.80	58.54
			10X	Low	0%	434.30	12113.88	94.89	28305.29	33.47	6710.43	7.28	-3244.33	-30.44	-10422.30	50.91	-4378.92	35.47	-26.90	-1.29	-2872.05	-16.46	-3110.65	-1.73	-2279.22	-15.28	-6.91	-0.05	-16.35	-0.02	40602.05	4.53	-11353.27	84.99	-4290.84	-57.50
		Zone 36 (0.1 ft/day)	0.1X	Low	1%	1522.02	12118.05	99.06	28294.58	22.76	6694.78	-8.36	-3173.22	40.68	-10286.83	186.38	-4212.11	202.28	-20.56	5.06	-2939.45	-83.86	-3165.60	-56.68	-2236.33	27.62	-7.24	-0.38	-16.75	-0.41	40584.54	-12.98	-11675.87	-237.61	-3695.44	537.90
			10X	Low	0%	624.15	12114.07	95.08	28304.75	32.92	6709.91	6.76	-3203.38	10.52	-10416.73	56.48	-4448.85	-34.46	-26.84	-1.22	-2849.62	5.97	-3100.18	8.74	-2305.17	-41.22	-6.76	0.10	-16.25	0.08	40601.59	4.07	-11352.14	86.12	-4473.74	-240.40
		Zone 37 (1 ft/day)	0.1X	Low	0%	333.95	12114.36	95.37	28298.13	26.31	6710.09	6.94	-3189.24	24.65	-10358.61	114.61	-4400.04	14.35	-26.69	-1.08	-2868.50	-12.91	-3111.02	-2.10	-2276.95	-13.00	-6.90	-0.04	-16.35	-0.02	40596.28	-1.24	-11455.04	-16.78	-4228.78	4.56
			10X	Low	0%	302.43	12114.68	95.69	28305.37	33.55	6707.37	4.23	-3201.96	11.94	-10369.36	103.86	-4401.04	13.35	-26.71	-1.09	-2868.81	-13.22	-3111.45	-2.53	-2277.18	-13.23	-6.90	-0.04	-16.36	-0.02	40600.28	2.76	-11442.05	-3.78	-4236.48	-3.14
		Zone 38 (0.01 ft/day)	0.1X	Low	0%	316.71	12114.92	95.94	28302.52	30.70	6706.75	3.60	-3191.84	22.06	-10368.08	105.13	-4407.94	6.45	-25.77	-0.16	-2839.78	15.81	-3115.08	-6.15	-2276.02	-12.07	-6.88	-0.02	-16.35	-0.01	40597.70	0.18	-11436.22	2.04	-4249.72	-16.38
			10X	Low	0%	381.61	12114.97	95.98	28302.38	30.56	6706.49	3.35	-3194.28	19.62	-10377.93	95.28	-4399.73	14.66	-32.85	-7.23	-2922.78	-67.19	-3104.05	4.87	-2287.54	-23.59	-6.84	0.02	-16.36	-0.02	40597.53	0.02	-11432.84	5.42	-4247.15	-13.81
		Zone 39 (0.1 ft/day)	0.1X	Low	0%	304.19	12114.97	95.98	28302.39	30.57	6706.55	3.41	-3191.88	22.02	-10367.42	105.80	-4404.22	10.17	-26.71	-1.09	-2868.72	-13.12	-3111.89	-2.97	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40597.47	-0.05	-11439.80	-1.54	-4229.10	4.24
			10X	Low	0%	297.06	12114.97	95.98	28302.40	30.57	6706.55	3.40	-3192.10	21.79	-10369.06	104.16	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.10	-3111.92	-3.00	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11438.42	-0.16	-4233.29	0.05
	Model Layer 7	Zone 31 (200 ft/day)	0.1X	Low	1%	1077.79	11893.60	-125.39	28174.89	-96.94	6688.34	-14.80	-3191.37	22.53	-10367.16	106.05	-4399.74	14.65	-26.70	-1.08	-2868.61	-13.02	-3111.34	-2.42	-2277.04	-13.10	-6.90	-0.04	-16.36	-0.02	40248.28	-349.23	-11120.64	317.63	-4232.43	0.91
			10X	Low	0%	541.75	12184.48	165.49	28340.16	68.33	6706.05	2.91	-3192.16	21.73	-10369.18	104.03	-4404.86	9.53	-26.71	-1.09	-2868.73	-13.13	-3112.08	-3.15	-2277.16	-13.21	-6.90	-0.04	-16.36	-0.02	40635.82	38.30	-11537.53	-99.27	-4231.84	1.50
		Zone 32 (200 ft/day)	0.1X	High	21%	26807.84	14879.49	2860.50	17726.83	-10545.00	6957.92	254.78	-3171.36	42.54	-10313.31	159.90	-4306.81	107.58	-26.57	-0.95	-2867.18	-11.59	-3098.43	10.49	-2275.35	-11.40	-6.89	-0.03	-16.28	0.06	34581.58	-6015.94	-4701.52	6736.74	-4183.00	50.34
			10X	High	13%	16295.34	11599.36	-419.63	34805.87	6534.05	6215.65	-487.49	-3200.85	13.05	-10392.17	81.05	-4450.36	-35.97	-26.77	-1.15	-2869.56	-13.97	-3118.82	-9.90	-2278.03	-14.09	-6.90	-0.04	-16.40	-0.06	44024.29	3426.77	-16679.87	-5241.61	-4249.85	-16.51
		Zone 33 (100 ft/day)	0.1X	High	31%	39623.27	17256.02	5237.04	12448.23	-15823.59	7722.46	1019.32	-3103.78	110.11	-10151.20	322.01	-4354.06	60.33	-26.44	-0.82	-2865.09	-9.49	-3101.44	7.48	-2273.94	-10.00	-6.88	-0.02	-16.30	0.04	32565.30	-8032.22	-2571.92	8866.34	-4108.89	124.45
			10X	High	50%	65141.84	3032.80	-8986.19	54188.25	25916.43	4719.19	-1983.95	-3344.91	-131.02	-10722.07	-248.85	-4168.85	245.54	-26.93	-1.31	-2873.46	-17.87	-3090.23	18.69	-2279.51	-15.56	-6.91	-0.04	-16.24	0.10	51999.53	11402.01	-27523.95	-16085.69	-4321.93	-88.59
		Zone 34 (100 ft/day)	0.1X	Low	4%	4983.97	12110.24	91.25	28255.51	-16.31	6732.78	29.64	-3040.53	173.37	-8729.56	1743.66	-4367.19	47.20	-25.04	0.58	-2844.84	10.75	-3078.34	30.58	-2257.88	6.07	-6.81	0.05	-16.15	0.19	40578.76	-18.76	-13516.07	-2077.81	-3495.58	737.76
			10X	Medium	6%	7526.55	12126.82	107.83	28397.58	125.76	6646.81	-56.33	-3698.02	-484.12	-12625.05	-2151.84	-4593.36	-178.97	-28.23	-2.61	-2889.89	-34.30	-3166.77	-57.85	-2294.13	-30.18	-6.98	-0.12	-16.69	-0.36	40628.54	31.02	-8340.79	3097.47	-5401.14	-1167.80
		Zone 35 (50 ft/day)	0.1X	Medium	9%	11098.14	12130.15	111.16	28254.80	-17.02	6650.57	-52.58	-3474.05	-260.16	-6079.41	4393.81	-4651.82	-237.43	-16.64	8.98	-2673.68	181.91	-3127.41	-18.49	-2138.76	125.19	-6.30	0.57	-16.32	0.01	40529.54	-67.98	-14674.06	-3235.80	-1846.28	2387.06
			10X	High	26%	33118.31	12064.70	45.71	28465.54	193.72	6893.01	189.87	-2299.74	914.16	-23191.58	-12718.37	-3709.33	705.06	-34.33	-8.72	-3129.80	-274.21	-3057.51	51.41	-2417.63	-153.68	-7.68	-0.82	-16.22	0.12	40827.42	229.91	-2161.07	9277.19	-12588.72	-8355.38
		Zone 36 (50 ft/day)	0.1X	Low	2%	2322.21	12117.96	98.97	28294.11	22.28	6694.82	-8.32	-3131.80	82.09	-10117.99	355.22	-4271.06	143.34	-23.69	1.93	-2355.10	500.49	-3204.64	-95.72	-2193.10	70.84	-5.82	1.04	-16.39	-0.05	40584.63	-12.89	-11793.98	-355.72	-3660.04	573.31
			10X	Low	2%	1980.47	12112.43	93.44	28309.79	37.97	6716.55	13.41	-3263.03	-49.13	-10665.68	-192.47	-4486.33	-71.94	-26.11	-0.50	-3133.16	-277.57	-3060.82	48.11	-2333.92	-69.97	-7.46	-0.60	-16.32	0.02	40608.90	11.39	-11074.85	363.41	-4983.89	-750.55
		Zone 37 (5 ft/day)	0.1X	Low	1%	1361.51	12131.24	112.25	28291.70	19.88	6638.26	-64.88	-3265.78	-51.88	-10305.78	167.43	-4281.21	133.18	-26.02	-0.41	-2852.11	3.48	-3156.20	-47.28	-2269.65	-5.71	-6.86	0.00	-16.60	-0.27	40551.67	-45.85	-10993.08	445.18	-3969.52	263.83
			10X	Low	2%	2077.99	12085.42	66.43	28463.23	191.41	6811.14	108.00	-3160.98	52.92	-11055.73	-582.52	-4382.34	32.05	-27.33	-1.72	-2886.00	-30.40	-3071.34	37.58	-2284.99	-21.04	-6.94	-0.07	-16.14	0.20	40776.48	178.96	-11779.28	-341.02	-4666.99	-433.65
		Zone 38 (20 ft/day)	0.1X	Low	2%	2833.81	12114.99	96.00	28302.14	30.32	6706.43	3.28	-3177.60	36.29	-10309.44	163.78	-4422.18	-7.79	-23.11	2.51	-1392.85	1462.75	-3198.97	-90.05	-2320.71	-56.76	-7.36	-0.50	-16.37	-0.04	40597.21	-0.31	-11482.65	-44.38	-5072.39	-839.05
			10X	Low	1%	1874.74	12114.94	95.96	28302.64	30.82	6706.70	3.56	-3203.21	10.69	-10414.89	58.32	-4390.78	23.61	-18.47	7.15	-3851.38	-995.79	-3039.70	69.22	-2246.19	17.76	-6.48	0.38	-16.34	0.00	40597.77	0.25	-11403.63	34.63	-3706.74	526.60
		Zone 39 (5 ft/day)	0.1X	Low	0%	304.11	12115.40	96.41	28300.02	28.20	6704.13	0.99	-3189.67	24.23	-10368.10	105.12	-4401.51	12.88	-26.69	-1.08	-2868.37	-12.78	-3112.60	-3.68	-2276.97	-13.02	-6.90	-0.04	-16.36	-0.03	40594.31	-3.21	-11436.27	1.99	-4232.87	0.47
			10X	Low	0%	306.00	12114.81	95.82	28303.46	31.64	6707.70	4.55	-3193.06	20.84	-10367.91	105.30	-4405.61	8.78	-26.71	-1.10	-2868.87	-13.28	-3111.81	-2.89	-2277.23	-13.28	-6.90	-0.04	-16.36	-0.02	40599.06	1.54	-11441.02	-2.76	-4229.17	4.17
	Model Layer 8	Zone 31 (0.01 ft/day)	0.1X	Low	0%	375.91	12118.80	99.82	28308.01	36.19	6672.76	-30.38	-3191.98	21.92	-10368.74	104.47	-4402.74	11.65	-26.70	-1.09	-2868.67	-13.08	-3111.76	-2.84	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40577.45	-20.06	-11417.64	20.62	-4232.77	0.57
			10X	Low	0%	597.63	12112.37	93.39	28287.02	15.20	6840.46	137.32	-3192.82	21.07	-10371.16	102.05	-4408.71	5.68	-26.71	-1.09	-2868.74	-13.15	-3112.58	-3.65	-2277.20	-13.25	-6.90	-0.04	-16.36	-0.03	40686.33	88.82	-11538.74	-100.48	-4235.75	-2.41
		Zone 32 (0.01 ft/day)	0.1X	Low	3%	4285.42	12496.62	477.63	28980.41	708.59	5054.89	-1648.25	-3184.51	29.39	-10347.10	126.12	-4351.57	62.82	-26.65	-1.04	-2868.17	-12.58	-3104.90	4.03	-2276.42	-12.47	-6.89	-0.03	-16.32	0.02	39906.95	-690.57	-10959.75	478.52	-4199.98	33.36
			10X	Low	2%	3226.33	11833.89	-185.10	27612.67	-659.15	8144.19	1441.04	-3198.31	15.59	-10387.06	86.15	-4446.94	-32.54	-26.75	-1.13	-2869.12	-13.52	-3117.68	-8.76	-2277.71	-13.77	-6.90	-0.04	-16.39	-0.06	40969.75	372.23	-11809.83	-371.56	-4259.02	-25.68
		Zone 33 (0.01 ft/day)	0.1X	Low	2%	2403.89	11913.39	-105.60	27507.06	-764.76	7295.17	592.03	-3186.16	27.73	-10352.66	120.55	-4385.51	28.88	-26.66	-1.04	-2868.39	-12.80	-3109.60	-0.68	-2276.72	-12.77	-6.90	-0.04	-16.35	-0.01	40258.81	-338.71	-11049.63	388.64	-4223.68	9.66
			10X	Low	4%	5678.42	12228.65	209.66	29859.05	1587.23	6246.83	-456.32	-3174.38	39.52	-10308.19	165.02	-4125.48	288.91	-26.50	-0.89	-2866.71	-11.12	-3075.15	33.77	-2274.05	-10.11	-6.88	-0.02	-16.14	0.19	41580.35	982.83	-13175.25	-1736.98	-4077.49	155.85
		Zone 34 (0.01 ft/day)	0.1X	Low	3%	3292.77	12195.19	176.21	28137.57	-134.25	6405.70	-297.44	-3061.21	152.69	-9984.80	488.42	-5239.15	-824.76	-26.82	-1.20	-2866.43	-10.84	-3210.01	-101.09	-2280.34	-16.39	-6.92	-0.06	-16.93	-0.59	40286.31	-311.21	-10795.19	643.08	-4367.87	-134.53
			10X	Low	3%	3735.81	12011.12	-7.87	28512.70	240.88	7099.41	396.27	-3344.18	-130.28	-10845.09	-371.88	-3391.78	1022.61	-26.55	-0.93	-2871.33	-15.73	-2992.88	116.04	-2273.13	-9.18	-6.87	0.00	-15.67	0.67	40999.77	402.25	-12298.80	-860.54	-4072.67	160.67
		Zone 35 (0.01 ft/day)	0.1X	Low	2%	1985.26	12136.52	117.54	28255.15	-16.67	6625.92	-77.22	-3270.98	-57.08	-10571.14	-97.93	-3685.85	728.54	-25.90	-0.28	-2846.68	8.91	-3280.13	-171.21	-2270.69	-6.74	-6.89	-0.02	-17.32	-0.99	40513.21	-84.31	-11763.36	-325.09	-3940.63	292.71
			10X	Medium	5%	6914.03	12062.89	43.91	28417.47	145.65	6899.85	196.70	-2986.76	227.14	-9710.96	762.25	-6816.37	-2401.98	-28.95	-3.34	-2931.55	-75.96	-2628.45	480.47	-2294.26	-30.31	-6.93	-0.07	-13.56	2.78	40801.74	204.22	-10233.60	1204.66	-5367.94	-1134.60
		Zone 36 (0.01 ft/day)	0.1X	Low	1%	1393.11	12120.16	101.17	28290.19	18.36	6687.21	-15.94	-3200.90	13.00	-10395.87	77.34	-4031.39	383.00	-26.20	-0.59	-2843.62	11.98	-3205.43	-96.51	-2269.23	-5.28	-6.86	0.00	-17.00	-0.66	40576.82	-20.69	-11709.49	-271.22	-3855.97	377.37
			10X	Low	5%	5920.15	12091.19	72.20	28358.72	86.90	6795.46	92.31	-3146.09	67.81	-10222.22	250.99	-6116.46	-1702.07	-31.35	-5.74	-3023.49	-167.90	-2579.94	528.98	-2323.61	-59.66	-7.17	-0.31	-13.37	2.97	40693.45	95.93	-10214.93	1223.33	-5796.40	-1563.06
		Zone 37 (0.01 ft/day)	0.1X	Low	1%	1026.54	12105.67	86.68	28293.32	21.49	6756.44	53.30	-3150.91	62.99	-10251.49	221.73	-4670.96	-256.57	-27.14	-1.52	-2877.72	-22.12	-3081.23	27.69	-2280.85	-16.90	-6.92	-0.06	-16.22	0.12	40623.50	25.98	-11289.83	148.44	-4314.28	-80.94
			10X	Low	1%	1043.12	12091.69	72.70	28373.50	101.68	6787.95	84.81	-3216.11	-2.21	-10238.04	235.17	-4595.33	-180.94	-26.67	-1.06	-2871.18	-15.59	-3047.90	61.03	-2276.25	-12.30	-6.88	-0.02	-15.97	0.37	40700.25	102.74	-11574.25	-135.99	-4269.87	-36.52
		Zone 38 (0.01 ft/day)	0.1X	Low	0%	626.45	12116.48	97.50	28298.90	27.08	6701.02	-2.12	-3194.50	19.40	-10376.13	97.09	-4297.73	116.66	-29.14	-3.52	-2884.60	-29.01	-3145.24	-36.32	-2272.11	-8.17	-6.79	0.07	-15.30	1.04	40591.60	-5.91	-11516.06	-77.80	-4128.56	104.78
			10X	Low	2%	2518.68	12104.37	85.38	28328.06	56.24	6746.86	43.72	-3180.26	33.64	-10339.36	133.85	-5169.13	-754.74	-12.94	12.68	-3045.49	-189.89	-3157.27	-48.35	-2297.04	-33.09	-7.41	-0.55	-14.27	2.07	40641.11	43.60	-10856.17	582.09	-4732.14	-498.80
		Zone 39 (0.01 ft/day)	0.1X	Low	0%	384.46	12114.03	95.04	28304.41	32.59	6710.26	7.12	-3202.64	11.26	-10444.87	28.35	-4300.19	114.21	-26.72	-1.10	-2869.08	-13.49	-3107.79	1.14	-2277.18	-13.23	-6.90	-0.04	-16.34	0.00	40601.57	4.05	-11462.11	-23.85	-4194.33	39.01
			10X	Low	0%	308.57	12115.11	96.12	28302.11	30.28	6706.00	2.85	-3190.22	23.67	-10362.06	111.15	-4416.26	-1.87	-26.70	-1.09	-2868.63	-13.03	-3112.54	-3.62	-2277.11	-13.17	-6.90	-0.04	-16.36	-0.02	40596.91	-0.60	-11434.25	4.02	-4240.38	-7.04
	Model Layer 9	Zone 31 (100 ft/day)	0.1X	Low	0%	323.80	12109.12	90.13	28300.33	28.51	6690.70	-12.45	-3192.02	21.88	-10368.88	104.33	-4403.19	11.20	-26.70	-1.09	-2868.68	-13.08	-3111.82	-2.90	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40592.56	-4.96	-11418.54	19.72	-4233.02	0.32
			10X	Low	0%	351.59	12122.78	103.79	28306.28	34.46	6716.03	12.89	-3192.22	21.67	-10369.44	103.77	-4404.39	10.00	-26.70	-1.09	-2868.69	-13.10	-3111.98	-3.06	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40614.37	16.85	-11455.66	-17.39	-4233.61	-0.27
		Zone 32 (100 ft/day)	0.1X	Low	2%	2252.32	12182.74	163.75	28437.06	165.24	5922.91	-780.24	-3188.02	25.88	-10357.46	115.76	-4376.10	38.29	-26.67	-1.06	-2868.38	-12.78	-3108.15	0.77	-2276.72	-12.77	-6.90	-0.03	-16.34	0.00	40173.78	-423.74	-10942.02	496.24	-4217.55	15.79
			10X	Low	4%	4719.85	11761.30	-257.69	27864.86	-406.97	8671.32	1968.18	-3201.60	12.30	-10396.40	76.81	-4468.07	-53.68	-26.77	-1.16	-2869.37	-13.77	-3120.60	-11.68	-2278.03	-14.08	-6.90	-0.04	-16.41	-0.07	41454.78	857.26	-12446.19	-1007.93	-4271.58	-38.24
		Zone 33 (100 ft/day)	0.1X	Low	3%	4507.52	12395.68	376.69	28035.46	-236.37	5506.25	-1196.89	-3121.15	92.74	-10162.88	310.34	-3847.67	566.72	-26.12	-0.51	-2863.11	-7.52	-3038.14	70.78	-2269.40	-5.45	-6.86	0.00	-15.93	0.41	39662.78	-934.74	-11057.96	380.30	-3905.29	328.05
			10X	Medium	7%	8470.89	11404.69	-614.30	28308.70	36.88	9805.24	3102.10	-3290.39	-76.50	-10657.88	-184.67	-5113.44	-699.05	-27.35	-1.73	-2874.61	-19.02	-3205.36	-96.44	-2285.85	-21.90	-6.95	-0.09	-16.91	-0.57	42473.73	1876.21	-12749.03	-1310.77	-4664.01	-430.67
		Zone 34 (100 ft/day)	0.1X	Low	3%	4384.10	12241.81	222.82	28025.41	-246.41	6216.85	-486.29	-3137.54	76.35	-10182.08	291.14	-3253.04	1161.35	-25.70	-0.08	-2860.68	-5.08	-2964.98	143.94	-2263.71	0.24	-6.82	0.04	-15.50	0.84	40094.92	-502.59	-12147.73	-709.47	-3695.88	537.46
			10X	Low	2%	2920.34	12019.89	0.91	28508.28	236.46	7071.71	368.57	-3237.80	-23.90	-10531.59	-58.38	-5219.11	-804.72	-27.30	-1.69	-2873.24	-17.65	-3215.55	-106.63	-2285.42	-21.47	-6.95	-0.09	-16.96	-0.63	40971.21	373.69	-10933.24	505.02	-4633.88	-400.54
		Zone 35 (50 ft/day)	0.1X	Low	4%	5465.34	12146.67	127.68	28225.00	-46.82	6582.65	-120.49	-3274.44	-60.55	-10639.90	-166.69	-2208.63	2205.76	-25.61	0.00	-2873.06	-17.46	-2688.82	420.11	-2258.36	5.59	-6.77	0.09	-13.87	2.47	40465.25	-132.27	-12909.32	-1471.06	-3545.03	688.31
			10X	Low	4%	5226.81	12086.15	67.16	28371.60	99.78	6817.25	114.10	-3117.47	96.43	-10084.58	388.63	-6391.88	-1977.49	-27.75	-2.14	-2865.26	-9.66	-3468.36	-359.44	-2291.87	-27.92	-7.00	-0.14	-18.45	-2.11	40716.21	118.69	-10133.03	1305.24	-4891.21	-657.87
		Zone 36 (50 ft/day)	0.1X	Low	1%	1074.26	12118.22	99.23	28293.86	22.04	6693.21	-9.93	-3194.73	19.17	-10373.93	99.28	-4150.56	263.84	-27.43	-1.82	-2888.83	-33.24	-2856.00	252.92	-2276.99	-13.04	-6.87	-0.01	-14.94	1.40	40583.18	-14.34	-11634.04	-195.78	-4185.10	48.24
			10X	Low	1%	714.85	12113.21	94.23	28307.27	35.45	6714.08	10.94	-3190.91	22.99	-10367.34	105.88	-4546.34	-131.95	-26.19	-0.58	-2856.39	-0.79	-3264.24	-155.32	-2276.99	-13.04	-6.91	-0.05	-17.22	-0.89	40605.68	8.16	-11328.06	110.20	-4257.74	-24.40
		Zone 37 (5 ft/day)	0.1X	Low	2%	1972.00	12034.67	15.69	28381.99	110.17	6986.27	283.13	-3207.08	6.82	-10352.48	120.74	-4376.52	37.87	-26.71	-1.09	-2873.18	-17.58	-2968.68	140.24	-2273.32	-9.37	-6.86	0.00	-15.55	0.79	40829.67	232.15	-10536.50	901.77	-4138.76	94.58
			10X	Low	2%	2313.15	12180.55	161.57	28283.70	11.88	6465.29	-237.85	-3186.66	27.24	-10267.92	205.30	-5075.43	-661.04	-26.77	-1.16	-2866.69	-11.10	-3274.21	-165.29	-2282.95	-19.00	-6.94	-0.08	-17.28	-0.94	40424.10	-173.41	-11764.58	-326.32	-4544.31	-310.97
		Zone 38 (20 ft/day)	0.1X	Low	1%	1767.95	12118.89	99.90	28292.64	20.82	6691.30	-11.85	-3191.69	22.21	-10360.25	112.97	-4119.95	294.44	-27.80	-2.18	-2956.16	-100.57	-2409.04	699.88	-2286.07	-22.12	-6.92	-0.06	-16.96	-0.62	40581.19	-16.33	-11672.43	-234.17	-4363.19	-129.85
			10X	Low	1%	1046.24	12112.59	93.60	28308.21	36.39	6715.64	12.50	-3192.19	21.70	-10373.75	99.47	-4572.93	-158.54	-26.04	-0.43	-2829.28	26.32	-3484.27	-375.35	-2272.66	-8.71	-6.89	-0.03	-15.82	0.51	40607.27	9.75	-11299.57	138.69	-4169.09	64.25
		Zone 39 (5 ft/day)	0.1X	Low	0%	631.36	12110.28	91.29	28312.62	40.80	6722.03	18.89	-3186.29	27.60	-10372.92	100.30	-4442.10	-27.71	-26.60	-0.99	-2867.59	-12.00	-3092.17	16.75	-2275.52	-11.58	-6.89	-0.03	-16.24	0.09	40615.50	17.98	-11186.75	251.51	-4247.19	-13.85
			10X	Low	1%	717.06	12118.67	99.68	28295.84	24.02	6695.97	-7.17	-3182.19	31.70	-10307.14	166.07	-4378.32	36.07	-26.78	-1.17	-2869.77	-14.18	-3130.67	-21.75	-2278.60	-14.65	-6.91	-0.05	-16.47	-0.13	40585.72	-11.80	-11600.56	-162.30	-4107.04	126.31
	Model Layer 10	Zone 32 (100 ft/day)	0.1X	Medium	5%	6973.55	12662.16	643.17	29208.17	936.35	3882.77	-2820.38	-3177.91	35.98	-10328.41	144.81	-4307.18	107.22	-26.59	-0.98	-2867.48	-11.89	-3098.66	10.26	-2275.65	-11.70	-6.89	-0.03	-16.28	0.06	39544.54	-1052.98	-10304.04	1134.22	-4169.80	63.54
			10X	Medium	6%	7378.64	11484.64	-534.35	27439.74	-832.08	9836.01	3132.87	-3207.64	6.26	-10414.01	59.21	-4509.01	-94.62	-26.80	-1.18	-2869.55	-13.96	-3125.79	-16.87	-2278.46	-14.51	-6.91	-0.04	-16.44	-0.10	41825.19	1227.67	-12823.87	-1385.60	-4292.65	-59.31
		Zone 33 (100 ft/day)	0.1X	Medium	7%	9232.87	12693.35	674.37	29133.16	861.34	3164.14	-3539.00	-3145.67	68.22	-10234.80	238.41	-4065.21	349.18	-26.34	-0.72	-2865.04	-9.45	-3066.55	42.37	-2272.27	-8.32	-6.87	-0.01	-16.09	0.24	38896.28	-1701.24	-9906.78	1531.48	-4024.84	208.50
			10X	Medium	9%	11835.07	11189.35	-829.64	27759.65	-512.18	11272.05	4568.91	-3290.50	-76.61	-10657.70	-184.49	-5105.88	-691.49	-27.34	-1.72	-2874.41	-18.82	-3204.29	-95.37	-2285.71	-21.76	-6.95	-0.09	-16.90	-0.56	43034.99	2437.47	-13411.43	-1973.16	-4656.17	-422.83
		Zone 34 (100 ft/day)	0.1X	Low	1%	712.42	12128.25	109.27	28273.36	1.54	6655.54	-47.61	-3187.70	26.20	-10350.66	122.55	-4262.34	152.06	-26.59	-0.97	-2867.71	-12.12	-3093.72	15.20	-2275.55	-11.61	-6.89	-0.03	-16.25	0.09	40545.05	-52.47	-11530.72	-92.46	-4165.08	68.27
			10X	Low	1%	1509.11	12068.01	49.02	28404.40	132.58	6886.65	183.51	-3215.98	-2.08	-10455.43	17.78	-4807.09	-392.70	-27.00	-1.39	-2870.96	-15.36	-3163.08	-54.16	-2281.32	-17.37	-6.92	-0.06	-16.66	-0.32	40782.49	184.97	-11176.10	262.16	-4428.99	-195.65
		Zone 35 (50 ft/day)	0.1X	Low	1%	766.23	12118.46	99.47	28293.98	22.16	6693.00	-10.14	-3201.26	12.64	-10401.21	72.00	-4173.56	240.84	-26.59	-0.98	-2868.93	-13.33	-3070.02	38.90	-2275.21	-11.26	-6.88	-0.02	-16.11	0.22	40583.11	-14.41	-11590.08	-151.82	-4155.32	78.03
			10X	Low	2%	2648.31	12101.58	82.59	28334.68	62.85	6758.06	54.92	-3156.37	57.53	-10229.13	244.09	-5361.31	-946.91	-27.10	-1.48	-2866.27	-10.67	-3287.74	-178.82	-2284.25	-20.30	-6.95	-0.09	-17.39	-1.05	40652.79	55.27	-10810.32	627.95	-4537.13	-303.79
		Zone 36 (50 ft/day)	0.1X	Low	0%	487.38	12115.51	96.52	28300.60	28.78	6703.74	0.59	-3193.26	20.63	-10372.77	100.44	-4348.65	65.74	-26.86	-1.25	-2872.42	-16.83	-3046.59	62.34	-2276.41	-12.47	-6.89	-0.02	-15.97	0.37	40594.59	-2.92	-11476.79	-38.53	-4193.41	39.93
			10X	Low	0%	606.22	12113.68	94.69	28306.08	34.26	6712.21	9.07	-3191.34	22.55	-10368.22	104.99	-4510.87	-96.48	-26.27	-0.66	-2859.08	-3.49	-3229.85	-120.93	-2276.93	-12.98	-6.91	-0.05	-17.05	-0.72	40603.63	6.11	-11355.70	82.57	-4250.01	-16.67
		Zone 37 (1 ft/day)	0.1X	Low	1%	1119.05	12096.14	77.15	28327.85	56.03	6762.72	59.57	-3188.29	25.61	-10363.34	109.87	-4617.53	-203.14	-26.74	-1.13	-2871.30	-15.71	-3044.05	64.87	-2275.65	-11.70	-6.88	-0.02	-16.01	0.33	40649.75	52.23	-11098.37	339.89	-4131.54	101.80
			10X	Low	1%	1473.86	12161.09	142.10	28254.11	-17.71	6542.06	-161.09	-3199.53	14.37	-10380.40	92.81	-4233.56	180.84	-26.47	-0.86	-2864.18	-8.59	-3216.03	-107.11	-2278.78	-14.83	-6.92	-0.06	-16.89	-0.55	40454.82	-142.70	-11869.31	-431.05	-4392.56	-159.22
		Zone 38 (20 ft/day)	0.1X	Low	1%	1598.59	12118.33	99.35	28293.90	22.08	6693.23	-9.91	-3191.69	22.21	-10361.11	112.10	-4155.29	259.10	-27.69	-2.08	-2930.71	-75.12	-2465.00	643.92	-2285.25	-21.30	-6.92	-0.05	-16.89	-0.56	40583.48	-14.04	-11641.50	-203.23	-4346.89	-113.55
			10X	Low	1%	1080.83	12112.54	93.55	28308.29	36.47	6715.79	12.65	-3192.41	21.48	-10374.78	98.43	-4575.62	-161.23	-26.02	-0.40	-2832.04	23.55	-3509.56	-400.64	-2272.21	-8.27	-6.89	-0.03	-15.83	0.51	40607.27	9.75	-11297.51	140.75	-4160.23	73.11
		Zone 39 (1 ft/day)	0.1X	Low	0%	545.90	12113.65	94.66	28306.04	34.22	6711.46	8.31	-3183.41	30.48	-10351.58	121.64	-4408.17	6.22	-26.65	-1.03	-2867.85	-12.26	-3106.81	2.11	-2276.41	-12.46	-6.89	-0.03	-16.33	0.01	40603.78	6.26	-11314.14	124.12	-4141.27	92.07

Table 5-2. Sensitivity Analysis -- Inter-basin Flows and Stream Percolation

units: Acre-feet per year

Parameters			Multiplier	Sensitivity	diff (%)	Sum of absolute fluxes Default = 129641.846	Piru to Fillmore in System Default = 12018.990		Piru to Fillmore in System Default = 28271.821		Piru to Fillmore in System Default = 6703.143		Fillmore to Santa Paula in Default = -3213.897		Fillmore to Santa Paula in Default = -10473.213		Fillmore to Santa Paula Default = -4414.391		Santa Paula to Default = -25.615		Santa Paula to Mound ib Default = -2855.593		Santa Paula to Mound ib Default = -3108.92		Santa Paula to Oxnard in Default = -2263.948		Santa Paula to Default = -6.86		Santa Paula to Default = -16.337		STR Percolation in Piru Default = 40597.518		STR Percolation in Fillmore Default = -11438.262		STR Percolation in Santa Default = -4233.34	
						Sum of absolute diff	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.
		Zone 39 (1 ft/day)	10X	Low	0%	558.51	12116.88	97.89	28298.55	26.73	6701.18	-1.96	-3194.61	19.28	-10340.48	132.74	-4346.12	68.27	-26.77	-1.16	-2869.55	-13.96	-3119.95	-11.03	-2278.10	-14.15	-6.90	-0.04	-16.41	-0.07	40591.55	-5.96	-11583.88	-145.61	-4213.68	19.66
Vertical Hydraulic Conductivity	Model Layer 1	Zone 31 (120 ft/day)	0.1X	Low	0%	296.67	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
			10X	Low	0%	296.67	12114.96	95.97	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.51	0.00	-11438.26	0.01	-4233.34	0.00
		Zone 32 (120 Ft/day)	0.1X	Low	0%	298.96	12116.80	97.81	28301.47	29.65	6706.48	3.33	-3192.13	21.77	-10369.19	104.03	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40598.19	0.67	-11439.04	-0.78	-4233.34	0.00
			10X	Low	0%	302.68	12096.87	77.88	28311.55	39.73	6707.31	4.16	-3192.14	21.76	-10369.22	103.99	-4403.95	10.44	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40590.90	-6.61	-11430.61	7.65	-4233.38	-0.04
		Zone 33 (60 ft/day)	0.1X	Low	0%	296.89	12114.95	95.97	28302.25	30.43	6706.55	3.40	-3192.15	21.75	-10369.23	103.99	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.33	-0.18	-11438.01	0.25	-4233.36	-0.02
			10X	Low	0%	303.36	12115.06	96.08	28303.90	32.08	6706.62	3.48	-3192.00	21.90	-10368.85	104.36	-4403.78	10.61	-26.70	-1.09	-2868.68	-13.09	-3111.90	-2.97	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40599.33	1.81	-11440.77	-2.51	-4233.17	0.17
		Zone 34 (20 Ft/day)	0.1X	Low	0%	298.43	12114.94	95.96	28302.50	30.68	6706.62	3.48	-3191.95	21.95	-10368.74	104.47	-4403.78	10.61	-26.70	-1.09	-2868.68	-13.09	-3111.89	-2.97	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.64	0.12	-11438.74	-0.48	-4233.03	0.31
			10X	Low	0%	297.30	12115.16	96.17	28301.40	29.58	6705.89	2.74	-3193.92	19.97	-10373.59	99.62	-4404.93	9.46	-26.71	-1.09	-2868.75	-13.16	-3112.14	-3.22	-2277.18	-13.23	-6.90	-0.04	-16.36	-0.02	40596.36	-1.16	-11433.52	4.75	-4236.41	-3.07
		Zone 35 (20 ft/day)	0.1X	Low	0%	296.61	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.21	21.69	-10369.23	103.99	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.51	0.00	-11438.23	0.03	-4233.37	-0.03
			10X	Low	0%	298.44	12114.96	95.97	28302.42	30.60	6706.58	3.44	-3191.36	22.54	-10368.85	104.37	-4403.85	10.54	-26.70	-1.09	-2868.68	-13.08	-3111.90	-2.98	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.55	0.03	-11438.58	-0.32	-4233.07	0.27
		Zone 36 (20 ft/day)	0.1X	Low	0%	296.76	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.14	21.76	-10369.21	104.00	-4403.91	10.48	-26.71	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.23	0.04	-4233.45	-0.11
			10X	Low	0%	298.75	12114.97	95.98	28302.39	30.57	6706.54	3.40	-3192.07	21.82	-10368.96	104.26	-4403.75	10.64	-26.66	-1.05	-2868.71	-13.12	-3111.96	-3.03	-2277.26	-13.31	-6.90	-0.04	-16.36	-0.02	40597.50	-0.02	-11438.62	-0.36	-4232.21	1.13
		Zone 37 (20 ft/day)	0.1X	Low	0%	296.72	12114.96	95.97	28302.41	30.58	6706.56	3.42	-3192.22	21.68	-10369.39	103.82	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.10	-3111.92	-3.00	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.53	0.01	-11438.06	0.20	-4233.44	-0.10
			10X	Low	0%	302.02	12114.98	95.99	28302.34	30.52	6706.51	3.37	-3191.35	22.55	-10367.27	105.94	-4404.03	10.36	-26.70	-1.09	-2868.66	-13.07	-3111.89	-2.97	-2277.10	-13.15	-6.90	-0.04	-16.36	-0.02	40597.43	-0.09	-11440.15	-1.89	-4232.36	0.98
		Zone 39 (1 ft/day)	0.1X	Low	0%	296.66	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
			10X	Low	0%	296.69	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.76	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11438.27	-0.01	-4233.34	0.00
	Model Layer 2	Zone 31 (0.01 ft/day)	0.1X	Low	0%	299.18	12115.36	96.37	28302.60	30.78	6706.62	3.48	-3192.13	21.77	-10369.19	104.03	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40598.80	1.29	-11438.80	-0.54	-4233.31	0.03
			10X	Low	0%	299.02	12114.06	95.07	28301.95	30.13	6706.40	3.26	-3192.13	21.76	-10369.20	104.02	-4403.87	10.52	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40594.90	-2.62	-11437.07	1.20	-4233.38	-0.04
		Zone 32 (0.01 ft/day)	0.1X	Low	1%	1691.80	12748.22	729.24	27909.38	-362.44	6676.34	-26.80	-3191.53	22.37	-10367.48	105.74	-4400.96	13.43	-26.70	-1.09	-2868.67	-13.07	-3111.54	-2.62	-2277.09	-13.14	-6.90	-0.04	-16.36	-0.02	40789.90	192.39	-11645.44	-207.18	-4231.10	2.24
			10X	Low	3%	4269.20	10461.55	-1557.44	29075.02	803.20	6750.62	47.48	-3192.35	21.55	-10369.75	103.46	-4407.02	7.37	-26.71	-1.10	-2868.75	-13.16	-3112.33	-3.41	-2277.20	-13.25	-6.90	-0.04	-16.36	-0.02	39661.57	-935.95	-10678.22	760.04	-4231.60	1.74
		Zone 33 (0.01 ft/day)	0.1X	Low	3%	4291.04	12582.18	563.19	26715.65	-1556.17	6682.23	-20.92	-3197.56	16.34	-10383.68	89.53	-4421.31	-6.91	-26.73	-1.11	-2868.94	-13.35	-3114.35	-5.43	-2277.43	-13.48	-6.90	-0.04	-16.37	-0.04	39548.64	-1048.87	-10497.59	940.67	-4248.33	-14.99
			10X	Low	3%	3997.06	12013.81	-5.17	29767.16	1495.33	6687.67	-15.47	-3182.33	31.56	-10343.15	130.07	-4371.18	43.21	-26.66	-1.04	-2868.16	-12.57	-3107.30	1.62	-2276.52	-12.58	-6.89	-0.03	-16.33	0.00	41719.97	1122.45	-12539.31	-1101.04	-4208.44	24.90
		Zone 34 (0.01 ft/day)	0.1X	Low	1%	1302.78	12105.26	86.27	28346.36	74.54	6741.15	38.00	-3087.81	126.08	-10115.14	358.07	-4344.97	69.42	-26.42	-0.80	-2864.40	-8.81	-3099.07	9.85	-2273.66	-9.71	-6.88	-0.02	-16.28	0.06	40652.20	54.68	-11724.67	-286.41	-4053.28	180.06
			10X	Low	1%	948.85	12124.03	105.04	28263.10	-8.73	6674.20	-28.94	-3302.25	-88.35	-10611.30	-138.08	-4460.17	-45.78	-26.95	-1.34	-2872.38	-16.79	-3123.83	-14.90	-2280.17	-16.22	-6.91	-0.05	-16.43	-0.09	40547.88	-49.64	-11175.49	262.78	-4405.46	-172.12
		Zone 35 (0.01 ft/day)	0.1X	Low	0%	285.39	12115.11	96.12	28301.95	30.13	6706.02	2.87	-3207.36	6.54	-10375.99	97.23	-4404.70	9.69	-26.72	-1.10	-2868.86	-13.26	-3112.22	-3.30	-2277.28	-13.33	-6.90	-0.04	-16.36	-0.02	40596.91	-0.61	-11430.59	7.67	-4236.82	-3.48
			10X	Low	0%	414.50	12114.39	95.41	28304.24	32.41	6708.75	5.61	-3133.37	80.52	-10344.34	128.87	-4400.79	13.60	-26.64	-1.03	-2867.87	-12.28	-3110.67	-1.74	-2276.43	-12.48	-6.89	-0.03	-16.35	-0.01	40599.96	2.44	-11447.01	-8.75	-4214.03	19.31
		Zone 36 (0.01 ft/day)	0.1X	Low	0%	320.47	12114.92	95.94	28302.51	30.69	6706.71	3.57	-3192.83	21.07	-10372.08	101.14	-4405.85	8.54	-26.82	-1.20	-2867.57	-11.98	-3111.46	-2.54	-2275.73	-11.78	-6.89	-0.03	-16.36	-0.02	40597.70	0.18	-11433.72	4.54	-4260.60	-27.26
			10X	Low	0%	458.25	12115.17	96.19	28301.84	30.02	6705.74	2.60	-3189.66	24.24	-10358.85	114.37	-4392.26	22.13	-26.07	-0.45	-2872.61	-17.02	-3114.79	-5.87	-2282.02	-18.07	-6.91	-0.05	-16.38	-0.04	40596.60	-0.92	-11458.25	-19.98	-4127.03	106.31
		Zone 37 (10ft/day)	0.1X	Low	0%	296.68	12114.96	95.97	28302.37	30.55	6706.55	3.41	-3192.15	21.75	-10369.24	103.97	-4403.89	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.46	-0.06	-11438.22	0.04	-4233.37	-0.03
			10X	Low	0%	298.53	12115.04	96.05	28302.70	30.88	6706.55	3.41	-3191.96	21.94	-10368.65	104.56	-4403.97	10.42	-26.70	-1.09	-2868.68	-13.09	-3111.92	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.93	0.41	-11438.46	-0.19	-4233.08	0.26
		Zone 39 (1 ft/day)	0.1X	Low	0%	296.66	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
			10X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.76	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
	Model Layer 3	Zone 26 (60 ft/day)	0.1X	Low	0%	300.52	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.91	0.39	-11438.99	-0.73	-4233.30	0.04
			10X	Low	0%	309.23	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40594.27	-3.24	-11431.96	6.30	-4233.67	-0.32
		Zone 31 (120 ft/day)	0.1X	Low	0%	302.24	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40598.87	1.35	-11439.77	-1.50	-4233.32	0.02
			10X	Low	0%	326.50	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40585.03	-12.48	-11423.82	14.45	-4233.55	-0.21
		Zone 32 (120 ft/day)	0.1X	Low	0%	301.60	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40596.33	-1.19	-11437.26	1.00	-4233.29	0.05
			10X	Low	0%	317.19	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40607.06	9.54	-11446.16	-7.90	-4233.73	-0.39
		Zone 33 (40 ft/day)	0.1X	Low	0%	303.72	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40595.71	-1.81	-11440.24	-1.98	-4232.76	0.58
			10X	Low	0%	336.08	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40616.48	18.96	-11425.29	12.97	-4238.13	-4.79
		Zone 34 (10 ft/day)	0.1X	Low	0%	309.02	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40598.58	1.06	-11443.52	-5.26	-4230.01	3.34
			10X	Low	0%	372.26	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40589.09	-8.43	-11400.23	38.03	-4259.78	-26.44
		Zone 35 (10 ft/day)	0.1X	Low	0%	299.83	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.48	-0.04	-11438.55	-0.28	-4233.19	0.15
			10X	Low	0%	304.35	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.87	0.35	-11435.04	3.22	-4234.76	-1.41
		Zone 36 (10 ft/day)	0.1X	Low	0%	303.75	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.54	0.03	-11437.57	0.70	-4237.01	-3.67
			10X	Low	0%	336.51	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.28	-0.24	-11444.31	-6.05	-4202.48	30.86
		Zone 37 (10 ft/day)	0.1X	Low	0%	299.42	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.51	0.00	-11438.22	0.05	-4233.35	-0.01
			10X	Low	0%	299.92	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.53	0.01	-11438.72	-0.46	-4233.25	0.09
		Zone 38 (10 ft/day)	0.1X	Low	0%	329.74	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.63	0.11	-11435.09	3.17	-4260.44	-27.10
			10X	Low	0%	524.02	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40596.68	-0.84	-11462.62	-24.36	-4033.87	199.47
		Zone 39 (1 ft/day)	0.1X	Low	0%	299.39	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.01	-4233.36	-0.02
			10X	Low	0%	299.62	12115.00	96.01	28302.35	30.53	6706.50	3.36	-3191.85	22.05	-10367.26	105.95	-4403.47	10.92	-26.71	-1.09	-2868.73	-13.14	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11438.33	-0.07	-4233.15	0.19
	Model Layer 4	Zone 26 (40 ft/day)	0.1X	Low	0%	296.72	12114.96	95.98	28302.41	30.59	6706.56	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.53	0.01	-11438.29	-0.02	-4233.34	0.00
			10X	Low	0%	296.86	12114.97	95.99	28302.26	30.44	6706.53	3.39	-3192.14	21.76	-10369.20	104.01	-4403.91	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.39	-0.13	-11438.03	0.24	-4233.35	-0.01
		Zone 31 (100 ft/day)	0.1X	Low	0%	296.84	12115.00	96.01	28302.42	30.60	6706.56	3.42	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.57	0.05	-11438.32	-0.06	-4233.34	0.00
			10X	Low	0%	297.07	12114.60	95.61	28302.20	30.38	6706.50	3.35	-3192.13	21.77	-10369.19	104.02	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.05	-0.47	-11437.71	0.55	-4233.35	-0.01
		Zone 32 (100 ft/day)	0.1X	Low	0%	296.68	12114.97	95.99	28302.37	30.55	6706.55	3.40	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.49	-0.03	-11438.24	0.02	-4233.34	0.00
			10X	Low	0%	297.49	12114.86	95.87	28302.72	30.89	6706.61	3.47	-3192.13	21.76	-10369.20	104.02	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.85	0.33	-11438.49	-0.23	-4233.35	-0.01
		Zone 33 (20 ft/day)	0.1X	Low	0%	297.05	12116.76	97.77	28300.71	28.89	6706.55	3.40	-3192.12	21.78	-10369.17	104.05	-4403.89	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.57	0.05	-11438.44	-0.18	-4233.32	0.02
			10X	Low	0%	297.71	12097.16	78.17	28319.28	47.46	6706.62	3.47	-3192.23	21.66	-10369.45	103.77	-4403.95	10.44	-26.70	-1.09	-2868.69	-13.10	-3111.93	-3.01	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.22	-0.30	-11436.44	1.82	-4233.52	-0.18
		Zone 34 (10 ft/day)	0.1X	Low	0%	297.29	12114.96	95.97	28302.42	30.60	6706.58	3.44	-3192.48	21.42	-10368.65	104.56	-4403.83	10.56	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.55	0.03	-11438.46	-0.20	-4233.23	0.11
			10X	Low	0%	297.29	12115.04	96.05	28302.17	30.35	6706.30	3.15	-3188.87	25.03	-10374.33	98.88	-4404.51	9.88	-26.71	-1.09	-2868.71	-13.12	-3112.03	-3.11	-2277.14	-13.20	-6.90	-0.04	-16.36	-0.02	40597.17	-0.34	-11436.34	1.93	-4234.45	-1.11
		Zone 35 (0.1 ft/day)	0.1X	Low	0%	484.35	12115.34	96.35	28301.28	29.46	6705.05	1.90	-3131.77	82.13	-10356.78	116.44	-4393.23	21.16	-27.04	-1.43	-2874.06	-18.47	-3114.21	-5.29	-2280.37	-16.42	-6.91	-0.05	-16.38	-0.04	40595.89	-1.63	-11502.71	-64.45	-4204.20	29.14
			10X	Low	1%	1410.72	12112.09	93.11	28310.64	38.82	6717.51	14.36	-3088.90	125.00	-10913.52	-440.30	-4464.44	-50.05	-24.52	1.09	-2832.24	23.35	-3097.29	11.63	-2253.14	10.81	-6.78	0.08	-16.25	0.09	40609.71	12.19	-11021.98	416.28	-4406.90	-173.56
		Zone 36 (0.1 ft/day)	0.1X	Low	0%	517.34	12114.75	95.76	28303.00	31.18	6707.38	4.24	-3196.91	16.99	-10388.96	84.26	-4412.50	1.89	-27.10	-1.48	-2850.79	4.81	-3110.26	-1.34	-2259.76	4.19	-6.84	0.02	-16.34	0.00	40598.47	0.96	-11411.24	27.02	-4476.55	-243.21
			10X	Low	0%	463.10	12115.05	96.07	28302.14	30.32	6706.19	3.04	-3190.28	23.62	-10361.77	111.44	-4399.62	14.77	-23.08	2.54	-2872.14	-16.55	-3113.37	-4.45	-2281.55	-17.60	-6.90	-0.04	-16.37	-0.03	40597.11	-0.41	-11449.72	-11.46	-4102.59	130.76
		Zone 37 (10 ft/day)	0.1X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.12	21.77	-10369.21	104.00	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.25	0.01	-4233.34	0.00
			10X	Low	0%	296.86	12114.96	95.98	28302.41	30.59	6706.56	3.42	-3192.22	21.68	-10369.01	104.20	-4403.92	10.47	-26.70	-1.09	-2868.69	-13.10	-3111.90	-2.98	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.53	0.01	-11438.37	-0.11	-4233.35	-0.01
		Zone 38 (0.1 ft/day)	0.1X	Low	0%	378.63	12114.95	95.96	28302.45	30.63	6706.61	3.47	-3192.87	21.03	-10372.25	100.96	-4403.93	10.46	-3.24	22.37	-2912.17	-56.57	-3110.47	-1.55	-2278.28	-14.33	-6.94	-0.08	-16.36	-0.03	40597.59	0.07	-11435.23	3.03	-4251.43	-18.09
			10X	Low	0%	572.05	12115.15	96.17	28301.85	30.03	6705.81	2.66	-3186.90	27.00	-10347.34	125.87	-4397.43	16.96	-38.20	-12.59	-2833.17	22.43	-3116.53	-7.61	-2261.50	2.45	-6.87	-0.01	-16.38	-0.04	40596.69	-0.83	-11464.88	-26.62	-4032.55	200.79
		Zone 39 (1 ft/day)	0.1X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.35	-0.01
			10X	Low	0%	296.76	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.18	104.03	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.28	-0.02	-4233.29	0.06
	Model Layer 5	Zone 26 (40 ft/day)	0.1X	Low	0%	300.06	12114.92	95.93	28303.27	31.44	6706.68	3.54	-3192.11	21.79	-10369.12	104.09	-4403.82	10.57	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40598.30	0.78	-11439.72	-1.45	-4233.28	0.06
			10X	Low	0%	305.65	12115.33	96.35	28295.98	24.16	6705.61	2.47	-3192.31	21.59	-10369.66	103.56	-4404.41	9.98	-26.70	-1.09	-2868.70	-13.10	-3111.99	-3.07	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40591.80	-5.72	-11427.36	10.91	-4233.76	-0.42
		Zone 31 (100 ft/day)	0.1X	Low	0%	303.89	12116.57	97.58	28303.27	31.45	6706.81	3.67	-3192.13	21.76	-10369.19	104.02	-4403.93	10.46	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40599.62	2.10	-11440.64	-2.38	-4233.30	0.04
			10X	Low	0%	313.49	12099.94	80.95	28294.22	22.40	6704.09	0.95	-3192.11	21.79	-10369.15	104.07	-4403.57	10.82	-26.70	-1.09	-2868.68	-13.08	-3111.87	-2.95	-2277.11	-13.17	-6.90	-0.04	-16.36	-0.02	40578.00	-19.51	-11415.93	22.34	-4233.66	-0.32
		Zone 32 (100 ft/day)	0.1X	Low	0%	297.36	12114.73	95.75	28302.35	30.53	6706.42	3.28	-3192.13	21.77	-10369.18	104.04	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40596.78	-0.74	-11437.96	0.31	-4233.30	0.04
			10X	Low	0%	306.78	12116.95	97.97	28302.01	30.19	6707.50	4.36	-3192.17	21.73	-10369.30	103.92	-4403.95	10.44	-26.70	-1.09	-2868.68	-13.09	-3111.92	-3.00	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40603.28	5.77	-11439.97	-1.71	-4233.63	-0.29
		Zone 33 (20 ft/day)	0.1X	Low	0%	321.08	12137.95	118.97	28282.58	10.76	6707.21	4.07	-3191.27	22.63	-10367.04	106.17	-4403.15	11.24	-26.70	-1.09	-2868.65	-13.06	-3111.78	-2.86	-2277.09	-13.15	-6.90	-0.04	-16.36	-0.02	40600.36	2.84	-11450.90	-12.64	-4231.77	1.57
			10X	Low	0%	582.57	11910.90	-108.09	28482.77	210.95	6702.11	-1.03	-3197.79	16.11	-10383.33	89.88	-4408.70	5.69	-26.72	-1.11	-2868.91	-13.32	-3112.80	-3.88	-2277.32	-13.37	-6.90	-0.04	-16.36	-0.03	40576.85	-20.66	-11350.27	87.99	-4243.76	-10.42
		Zone 34 (10 ft/day)	0.1X	Low	0%	308.37	12114.78	95.80	28303.03	31.21	6707.22	4.08	-3193.60	20.30	-10364.49	108.73	-4402.39	12.00	-26.70	-1.09	-2868.64	-13.05	-3111.67	-2.75	-2277.08	-13.14	-6.90	-0.04	-16.36	-0.02	40598.41	0.90	-11441.50	-3.24	-4231.29	2.05
			10X	Low	0%	310.08	12116.50	97.51	28297.29	25.47	6701.01	-2.13	-3177.70	36.20	-10408.05	65.16	-4416.59	-2.20	-26.73	-1.11	-2869.00	-13.41	-3113.93	-5.01	-2277.43	-13.48	-6.90	-0.04	-16.37	-0.03	40590.23	-7.29	-11413.34	24.93	-4249.44	-16.10
		Zone 35 (10 ft/day)	0.1X	Low	0%	297.32	12114.96	95.97	28302.42	30.60	6706.58	3.44	-3192.01	21.89	-10369.19	104.03	-4403.57	10.82	-26.71	-1.09	-2868.73	-13.14	-3111.92	-2.99	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.55	0.03	-11438.30	-0.04	-4233.36	-0.02
			10X	Low	0%	292.34	12115.04	96.05	28302.23	30.41	6706.32	3.17	-3192.56	21.34	-10370.28	102.94	-4406.94	7.45	-26.67	-1.06	-2868.22	-12.63	-3111.90	-2.98	-2276.83	-12.88	-6.90	-0.04	-16.36	-0.02	40597.22	-0.29	-11437.41	0.85	-4233.11	0.23
		Zone 36 (10 ft/day)	0.1X	Low	0%	304.24	12114.95	95.96	28302.44	30.62	6706.61	3.47	-3192.44	21.46	-10370.46	102.75	-4404.51	9.88	-26.75	-1.13	-2867.38	-11.79	-3111.81	-2.89	-2277.45	-13.50	-6.89	-0.03	-16.36	-0.02	40597.57	0.06	-11436.49	1.77	-4242.25	-8.91
			10X	Low	0%	406.88	12115.08	96.09	28302.07	30.25	6706.09	2.95	-3189.66	24.24	-10358.92	114.30	-4398.84	15.55	-26.30	-0.69	-2879.18	-23.59	-3112.81	-3.89	-2274.35	-10.40	-6.94	-0.08	-16.38	-0.04	40597.01	-0.51	-11452.69	-14.42	-4163.46	69.88
		Zone 37 (10 ft/day)	0.1X	Low	0%	296.75	12114.97	95.99	28302.39	30.57	6706.51	3.37	-3192.14	21.75	-10369.21	104.01	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.48	-0.04	-11438.15	0.12	-4233.35	-0.01
			10X	Low	0%	299.12	12114.89	95.90	28302.53	30.70	6706.96	3.82	-3192.02	21.88	-10369.02	104.19	-4403.82	10.57	-26.70	-1.09	-2868.68	-13.09	-3111.90	-2.98	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.86	0.35	-11439.48	-1.22	-4233.24	0.10
		Zone 38 (10 ft/day)	0.1X	Low	0%	316.82	12114.95	95.96	28302.46	30.63	6706.63	3.49	-3192.59	21.31	-10371.11	102.10	-4404.72	9.67	-26.33	-0.72	-2867.02	-11.43	-3111.75	-2.83	-2277.96	-14.01	-6.89	-0.03	-16.36	-0.02	40597.60	0.08	-11435.72	2.54	-4255.34	-22.00
			10X	Low	0%	520.09	12115.12	96.13	28301.95	30.13	6705.92	2.77	-3188.47	25.43	-10353.84	119.37	-4397.24	17.15	-29.90	-4.29	-2881.47	-25.88	-3113.33	-4.41	-2268.01	-4.06	-6.96	-0.10	-16.39	-0.05	40596.82	-0.69	-11458.58	-20.32	-4064.04	169.30
		Zone 39 (1 ft/day)	0.1X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.35	-0.01
			10X	Low	0%	296.77	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.18	104.03	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.28	-0.02	-4233.29	0.06
	Model Layer 6	Zone 31 (0.1 ft/day)	0.1X	Low	0%	321.46	12120.25	101.26	28305.39	33.57	6707.75	4.61	-3192.14	21.76	-10369.21	104.00	-4404.02	10.37	-26.70	-1.09	-2868.69	-13.10	-3111.94	-3.01	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40604.93	7.41	-11446.19	-7.93	-4233.21	0.13
			10X	Low	0%	333.37	12089.64	70.66	28288.36	16.54	6700.75	-2.39	-3192.09	21.81	-10369.10	104.11	-4403.29	11.10	-26.70	-1.09	-2868.67	-13.07	-3111.83	-2.91	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40560.21	-37.31	-11399.67	38.60	-4233.91	-0.57
		Zone 32 (0.1 ft/day)	0.1X	Low	2%	2129.96	11349.75	-669.24	29193.25	921.43	6769.66	66.52	-3193.53	20.37	-10373.05	100.16	-4411.14	3.25	-26.71	-1.10	-2868.77	-13.18	-3112.90	-3.98	-2277.23	-13.29	-6.90	-0.04	-16.37	-0.03	40746.41	148.89	-11602.09	-163.83	-4238.01	-4.67
			10X	Low	2%	3132.49	12997.94	978.95	27151.36	-1120.46	6563.32	-139.83	-3189.72	24.18	-10362.51	110.71	-4391.35	23.04	-26.69	-1.07	-2868.54	-12.95	-3110.23	-1.30	-2276.93	-12.99	-6.90	-0.04	-16.35	-0.01	40256.17	-341.35	-11080.81	357.45	-4225.18	8.16
		Zone 33 (0.1 ft/day)	0.1X	Low	2%	2000.64	12949.35	930.36	27540.59	-731.24	6718.80	15.65	-3193.28	20.62	-10372.50	100.71	-4411.74	2.65	-26.71	-1.10	-2868.76	-13.17	-3112.95	-4.03	-2277.23	-13.28	-6.90	-0.04	-16.37	-0.03	40667.23	69.72	-11531.86	-93.59	-4237.80	-4.46
			10X	Low	1%	1837.75	11291.21	-727.78	29053.39	781.57	6714.25	11.10	-3192.56	21.34	-10370.04	103.18	-4401.42	12.97	-26.70	-1.09	-2868.69	-13.10	-3111.65	-2.73	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40543.90	-53.62	-11342.71	95.55	-4233.86	-0.52
		Zone 34 (0.1 ft/day)	0.1X	Low	0%	430.91	12113.16	94.18	28307.61	35.79	6713.11	9.97	-3268.12	-54.22	-10313.20	160.01	-4382.41	31.98	-26.70	-1.09	-2868.78	-13.19	-3109.26	-0.34	-2277.07	-13.12	-6.90	-0.04	-16.34	-0.01	40605.50	7.99	-11431.31	6.95	-4231.28	2.06
			10X	Low	0%	430.83	12120.08	101.09	28287.69	15.87	6688.01	-15.13	-3073.98	139.91	-10482.94	-9.73	-4456.28	-41.88	-26.73	-1.12	-2868.89	-13.30	-3118.88	-9.95	-2277.59	-13.64	-6.90	-0.04	-16.40	-0.06	40574.87	-22.65	-11414.45	23.81	-4255.99	-22.65
		Zone 35 (0.1 ft/day)	0.1X	Low	0%	428.03	12114.10	95.11	28304.60	32.78	6709.62	6.48	-3255.68	-41.79	-10347.41	125.80	-4382.42	31.97	-26.83	-1.21	-2870.65	-15.06	-3110.85	-1.93	-2278.33	-14.38	-6.90	-0.04	-16.35	-0.02	40601.07	3.55	-11403.05	35.21	-4256.06	-22.72
			10X	Low	0%	410.04	12115.37	96.38	28301.68	29.86	6705.56	2.42	-3087.19	126.71	-10483.06	-9.85	-4457.81	-43.42	-26.17	-0.56	-2859.48	-3.88	-3108.41	0.51	-2271.41	-7.46	-6.87	-0.01	-16.33	0.00	40596.32	-1.19	-11405.03	33.23	-4178.77	54.57
		Zone 36 (0.01 ft/day)	0.1X	Low	0%	623.14	12114.07	95.08	28304.74	32.92	6709.89	6.75	-3203.28	10.61	-10416.33	56.89	-4448.74	-34.35	-26.83	-1.21	-2849.25	6.34	-3100.24	8.68	-2305.03	-41.08	-6.76	0.10	-16.25	0.08	40601.58	4.06	-11352.63	85.64	-4472.69	-239.35
			10X	Low	1%	1521.29	12118.05	99.06	28294.59	22.77	6694.79	-8.35	-3173.22	40.67	-10286.86	186.36	-4212.38	202.01	-20.56	5.05	-2939.62	-84.03	-3165.49	-56.57	-2236.36	27.59	-7.24	-0.38	-16.75	-0.41	40584.55	-12.96	-11675.64	-237.37	-3695.64	537.70
		Zone 37 (0.1 ft/day)	0.1X	Low	0%	299.58	12115.02	96.03	28302.76	30.94	6706.19	3.05	-3198.23	15.67	-10367.09	106.12	-4403.45	10.94	-26.71	-1.09	-2868.74	-13.14	-3111.87	-2.95	-2277.16	-13.21	-6.90	-0.04	-16.36	-0.02	40597.64	0.12	-11433.32	4.94	-4234.66	-1.31
			10X	Low	0%	333.88	12114.32	95.33	28298.34	26.52	6710.24	7.10	-3189.06	24.83	-10359.39	113.82	-4400.04	14.35	-26.69	-1.08	-2868.52	-12.92	-3110.97	-2.05	-2276.96	-13.01	-6.90	-0.04	-16.35	-0.02	40596.52	-1.00	-11455.85	-17.59	-4229.11	4.23
		Zone 38 (0.001 ft/day)	0.1X	Low	0%	380.23	12114.97	95.98	28302.38	30.56	6706.49	3.35	-3194.25	19.65	-10377.81	95.40	-4399.76	14.64	-32.92	-7.30	-2919.79	-64.20	-3104.21	4.71	-2287.65	-23.70	-6.84	0.02	-16.36	-0.02	40597.53	0.01	-11432.95	5.32	-4248.71	-15.37
			10X	Low	0%	314.73	12114.92	95.94	28302.52	30.70	6706.75	3.60	-3191.84	22.05	-10368.10	105.11	-4407.93	6.46	-25.79	-0.17	-2841.20	14.39	-3115.01	-6.09	-2275.98	-12.03	-6.90	-0.04	-16.35	-0.01	40597.70	0.18	-11436.20	2.07	-4249.22	-15.88
		Zone 39 (0.01 ft/day)	0.1X	Low	0%	297.24	12114.97	95.98	28302.40	30.58	6706.56	3.41	-3192.16	21.73	-10369.39	103.82	-4403.91	10.48	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.52	0.01	-11438.06	0.21	-4233.96	-0.62
			10X	Low	0%	304.33	12114.97	95.98	28302.39	30.57	6706.55	3.41	-3191.87	22.03	-10367.38	105.84	-4404.23	10.16	-26.71	-1.09	-2868.72	-13.12	-3111.88	-2.96	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40597.47	-0.05	-11439.83	-1.57	-4229.04	4.30
		Zone 31 (20 ft/day)	0.1X	Low	0%	315.28	12119.00	100.01	28304.60	32.78	6707.48	4.33	-3192.14	21.76	-10369.20	104.01	-4403.99	10.40	-26.70	-1.09	-2868.69	-13.10	-3111.93	-3.01	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40602.86	5.35	-11444.37	-6.11	-4233.24	0.10
			10X	Low	0%	325.30	12093.16	74.17	28290.41	18.59	6701.39	-1.75	-3192.09	21.81	-10369.11	104.11	-4403.37	11.02	-26.70	-1.09	-2868.67	-13.08	-3111.84	-2.92	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40567.57	-29.94	-11405.12	33.14	-4233.81	-0.47
		Zone 32 (20 ft/day)	0.1X	Low	0%	370.56	12057.40	38.41	28374.91	103.09	6719.75	16.61	-3192.31	21.59	-10369.68	103.54	-4404.87	9.52	-26.71	-1.09	-2868.70	-13.11	-3112.05	-3.13	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40619.77	22.25	-11462.67	-24.41	-4233.92	-0.57
			10X	Low	1%	1520.03	12486.55	467.56	27828.60	-443.22	6609.46	-93.69	-3190.91	22.99	-10365.79	107.42	-4397.16	17.23	-26.70	-1.08	-2868.61	-13.01	-3111.01	-2.09	-2277.02	-13.07	-6.90	-0.04	-16.35	-0.02	40436.18	-161.34	-11265.16	173.10	-4229.16	4.18

Table 5-2. Sensitivity Analysis -- Inter-basin Flows and Stream Percolation

units: Acre-feet per year

Parameters		Multiplier	Sensitivity	diff (%)	Sum of absolute fluxes Default = 129641.846	Piru to Fillmore in System Default = 12018.990		Piru to Fillmore in System Default = 28271.821		Piru to Fillmore in System Default = 6703.143		Fillmore to Santa Paula in Default = -3213.897		Fillmore to Santa Paula in Default = -10473.213		Fillmore to Santa Paula Default = -4414.391		Santa Paula to Default = -25.615		Santa Paula to Mound ib Default = -2855.593		Santa Paula to Mound ib Default = -3108.92		Santa Paula to Oxnard in Default = -2263.948		Santa Paula to Default = -6.86		Santa Paula to Default = -16.337		STR Percolation in Piru Default = 40597.518		STR Percolation in Fillmore Default = -11438.262		STR Percolation in Santa Default = -4233.34	
					Sum of absolute diff	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.
Model Layer 7	Zone 33 (10 ft/day)	0.1X	Low	0%	340.77	12131.32	112.33	28301.30	29.48	6705.21	2.06	-3191.79	22.11	-10368.35	104.86	-4403.85	10.54	-26.70	-1.09	-2868.67	-13.08	-3111.89	-2.97	-2277.11	-13.17	-6.90	-0.04	-16.36	-0.02	40608.59	11.07	-11455.67	-17.41	-4232.80	0.54
		10X	Low	0%	408.89	12001.38	-17.60	28323.07	51.25	6721.78	18.64	-3193.48	20.42	-10372.33	100.88	-4402.28	12.11	-26.71	-1.09	-2868.73	-13.14	-3111.80	-2.88	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40535.25	-62.27	-11344.50	93.76	-4234.93	-1.59
	Zone 34 (10 ft/day)	0.1X	Low	0%	306.68	12114.63	95.64	28303.26	31.44	6707.80	4.65	-3194.60	19.29	-10367.22	105.99	-4400.29	14.10	-26.70	-1.09	-2868.68	-13.08	-3111.46	-2.54	-2277.10	-13.15	-6.90	-0.04	-16.36	-0.02	40598.94	1.43	-11441.11	-2.85	-4231.98	1.36
		10X	Low	0%	370.10	12118.04	99.06	28294.71	22.89	6695.18	-7.96	-3169.83	44.07	-10384.75	88.47	-4437.09	-22.70	-26.72	-1.10	-2868.75	-13.16	-3116.09	-7.17	-2277.37	-13.42	-6.90	-0.04	-16.38	-0.05	40584.69	-12.82	-11412.65	25.61	-4244.93	-11.59
	Zone 35 (5 ft/day)	0.1X	Low	0%	299.25	12114.90	95.91	28302.55	30.73	6706.80	3.66	-3194.50	19.40	-10368.20	105.02	-4402.08	12.31	-26.72	-1.10	-2868.85	-13.26	-3111.75	-2.83	-2277.24	-13.29	-6.90	-0.04	-16.36	-0.02	40597.80	0.28	-11437.98	0.28	-4234.47	-1.13
		10X	Low	0%	307.42	12115.56	96.57	28301.14	29.32	6704.46	1.32	-3173.90	39.99	-10380.43	92.78	-4419.67	-5.28	-26.58	-0.96	-2866.82	-11.23	-3113.30	-4.38	-2276.00	-12.05	-6.89	-0.03	-16.37	-0.03	40595.29	-2.23	-11435.66	2.60	-4224.68	8.66
	Zone 36 (5 ft/day)	0.1X	Low	0%	354.20	12114.83	95.85	28302.76	30.94	6707.06	3.92	-3194.74	19.16	-10380.07	93.14	-4409.64	4.76	-27.26	-1.64	-2856.96	-1.36	-3110.92	-2.00	-2281.64	-17.70	-6.85	0.01	-16.34	0.00	40598.10	0.58	-11422.67	15.60	-4300.88	-67.54
		10X	Low	1%	663.05	12115.47	96.48	28301.04	29.22	6704.63	1.49	-3183.18	30.72	-10331.81	141.40	-4380.99	33.40	-24.83	0.79	-2908.92	-53.33	-3116.46	-7.54	-2259.10	4.84	-7.07	-0.21	-16.44	-0.10	40595.36	-2.16	-11494.46	-56.20	-4028.16	205.18
	Zone 37 (0.5 ft/day)	0.1X	Low	0%	297.25	12115.01	96.03	28303.32	31.50	6705.66	2.52	-3197.09	16.80	-10370.31	102.90	-4403.25	11.14	-26.71	-1.09	-2868.76	-13.17	-3111.76	-2.84	-2277.17	-13.22	-6.90	-0.04	-16.36	-0.02	40597.65	0.13	-11434.48	3.78	-4235.41	-2.07
		10X	Low	0%	350.02	12114.34	95.35	28298.69	26.87	6712.09	8.95	-3183.23	30.67	-10349.29	123.92	-4406.70	7.69	-26.68	-1.07	-2868.30	-12.71	-3113.12	-4.20	-2276.91	-12.96	-6.90	-0.04	-16.37	-0.03	40598.36	0.84	-11453.78	-15.51	-4224.12	9.22
	Zone 38 (2 ft/day)	0.1X	Low	0%	296.79	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.13	21.76	-10369.19	104.02	-4403.99	10.40	-26.71	-1.09	-2868.67	-13.08	-3111.94	-3.02	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40597.52	0.01	-11438.18	0.08	-4233.45	-0.11
		10X	Low	0%	299.28	12114.98	95.99	28302.37	30.55	6706.50	3.36	-3192.13	21.77	-10369.16	104.06	-4402.93	11.46	-26.66	-1.05	-2868.82	-13.22	-3111.71	-2.78	-2276.99	-13.04	-6.90	-0.04	-16.37	-0.03	40597.45	-0.07	-11439.07	-0.81	-4232.28	1.06
	Zone 39 (0.5 ft/day)	0.1X	Low	0%	296.70	12114.97	95.98	28302.39	30.57	6706.54	3.40	-3192.10	21.79	-10369.04	104.17	-4404.09	10.30	-26.70	-1.09	-2868.69	-13.09	-3111.93	-3.01	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11438.24	0.03	-4233.36	-0.02
		10X	Low	0%	297.46	12114.94	95.95	28302.45	30.63	6706.65	3.51	-3192.41	21.48	-10370.66	102.55	-4401.94	12.46	-26.70	-1.09	-2868.69	-13.10	-3111.80	-2.88	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.62	0.10	-11438.55	-0.29	-4233.14	0.20
Model Layer 8	Zone 31 (0.001 ft/day)	0.1X	Low	0%	596.20	12112.11	93.12	28286.85	15.02	6840.40	137.26	-3192.82	21.07	-10371.16	102.05	-4408.70	5.69	-26.71	-1.09	-2868.74	-13.15	-3112.57	-3.65	-2277.20	-13.25	-6.90	-0.04	-16.36	-0.03	40685.82	88.30	-11538.32	-100.06	-4235.75	-2.41
		10X	Low	0%	376.03	12118.87	99.88	28308.06	36.24	6672.78	-30.36	-3191.98	21.92	-10368.74	104.47	-4402.74	11.65	-26.70	-1.09	-2868.67	-13.08	-3111.76	-2.84	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40577.34	-20.18	-11417.73	20.53	-4232.77	0.57
	Zone 32 (0.001 ft/day)	0.1X	Low	2%	3226.23	11833.87	-185.12	27612.64	-659.18	8144.16	1441.01	-3198.31	15.59	-10387.06	86.15	-4446.93	-32.54	-26.75	-1.13	-2869.12	-13.52	-3117.68	-8.76	-2277.71	-13.77	-6.90	-0.04	-16.39	-0.06	40969.71	372.19	-11809.75	-371.49	-4259.02	-25.68
		10X	Low	3%	4283.24	12495.58	476.59	28979.81	707.99	5054.39	-1648.76	-3184.50	29.40	-10347.08	126.13	-4351.53	62.86	-26.65	-1.04	-2868.17	-12.58	-3104.89	4.03	-2276.42	-12.47	-6.89	-0.03	-16.32	0.02	39909.74	-687.78	-10958.06	480.21	-4199.98	33.36
	Zone 33 (0.001 ft/day)	0.1X	Low	4%	5678.08	12228.67	209.69	29858.90	1587.08	6246.75	-456.40	-3174.37	39.53	-10308.17	165.04	-4125.46	288.93	-26.50	-0.89	-2866.71	-11.11	-3075.14	33.78	-2274.05	-10.11	-6.88	-0.02	-16.14	0.19	41580.18	982.67	-13175.05	-1736.79	-4077.47	155.87
		10X	Low	2%	2403.87	11913.39	-105.60	27507.06	-764.76	7295.19	592.05	-3186.17	27.73	-10352.66	120.55	-4385.51	28.89	-26.66	-1.04	-2868.39	-12.80	-3109.60	-0.68	-2276.72	-12.77	-6.90	-0.04	-16.35	-0.01	40258.83	-338.69	-11049.66	388.61	-4223.68	9.66
	Zone 34 (0.001 ft/day)	0.1X	Low	3%	3735.80	12011.12	-7.86	28512.70	240.87	7099.40	396.26	-3344.17	-130.27	-10845.06	-371.85	-3391.77	1022.62	-26.55	-0.93	-2871.33	-15.73	-2992.88	116.05	-2273.13	-9.18	-6.87	0.00	-15.67	0.67	40999.76	402.24	-12298.83	-860.57	-4072.66	160.68
		10X	Low	3%	3292.56	12195.19	176.20	28137.59	-134.23	6405.73	-297.42	-3061.21	152.69	-9984.81	488.41	-5239.12	-824.73	-26.82	-1.20	-2866.43	-10.84	-3210.01	-101.09	-2280.34	-16.39	-6.92	-0.06	-16.93	-0.59	40286.33	-311.19	-10795.25	643.01	-4367.86	-134.52
	Zone 35 (0.001 ft/day)	0.1X	Medium	5%	6912.56	12062.90	43.91	28417.46	145.63	6899.83	196.69	-2986.77	227.12	-9710.96	762.25	-6815.89	-2401.50	-28.95	-3.34	-2931.54	-75.95	-2628.44	480.48	-2294.25	-30.30	-6.93	-0.07	-13.56	2.78	40801.72	204.20	-10233.97	1204.29	-5367.39	-1134.05
		10X	Low	2%	1984.75	12136.52	117.54	28255.15	-16.67	6625.93	-77.22	-3270.93	-57.04	-10570.96	-97.74	-3686.02	728.37	-25.90	-0.28	-2846.68	8.91	-3280.10	-171.18	-2270.69	-6.75	-6.89	-0.02	-17.32	-0.99	40513.21	-84.30	-11763.43	-325.17	-3940.77	292.57
	Zone 36 (0.001 ft/day)	0.1X	Low	5%	5917.80	12091.19	72.20	28358.70	86.88	6795.43	92.29	-3146.10	67.80	-10222.25	250.97	-6116.03	-1701.63	-31.35	-5.74	-3023.28	-167.69	-2580.25	528.67	-2323.58	-59.63	-7.17	-0.31	-13.37	2.97	40693.43	95.91	-10215.24	1223.02	-5795.43	-1562.09
		10X	Low	1%	1393.06	12120.16	101.17	28290.17	18.35	6687.19	-15.95	-3200.89	13.01	-10395.81	77.40	-4031.10	383.29	-26.20	-0.59	-2843.70	11.90	-3205.55	-96.63	-2269.25	-5.30	-6.86	0.00	-17.00	-0.66	40576.80	-20.72	-11709.81	-271.55	-3856.82	376.52
	Zone 37 (0.001 ft/day)	0.1X	Low	1%	1039.60	12091.68	72.69	28373.52	101.70	6787.91	84.77	-3216.25	-2.35	-10238.58	234.63	-4594.89	-180.50	-26.67	-1.06	-2871.15	-15.56	-3048.01	60.91	-2276.23	-12.29	-6.88	-0.02	-15.97	0.37	40700.26	102.75	-11572.73	-134.47	-4268.89	-35.55
		10X	Low	1%	1024.90	12105.70	86.71	28293.23	21.41	6756.37	53.22	-3150.88	63.02	-10251.32	221.90	-4670.06	-255.67	-27.14	-1.53	-2877.76	-22.17	-3081.42	27.50	-2280.89	-16.94	-6.92	-0.06	-16.22	0.12	40623.38	25.86	-11292.07	146.19	-4315.95	-82.60
	Zone 38 (0.001 ft/day)	0.1X	Low	2%	2492.48	12104.46	85.47	28327.85	56.03	6746.53	43.39	-3180.11	33.78	-10338.60	134.61	-5163.21	-748.82	-12.86	12.76	-3054.03	-198.44	-3121.47	-12.55	-2297.67	-33.72	-7.41	-0.55	-14.02	2.32	40640.76	43.24	-10861.60	576.67	-4743.47	-510.13
		10X	Low	0%	629.24	12116.46	97.47	28298.96	27.14	6701.11	-2.03	-3194.53	19.37	-10376.29	96.92	-4299.38	115.01	-29.14	-3.53	-2882.82	-27.22	-3152.01	-43.09	-2271.86	-7.91	-6.79	0.07	-16.69	-0.35	40591.70	-5.82	-11514.59	-76.33	-4126.37	106.97
	Zone 39 (0.001 ft/day)	0.1X	Low	0%	308.59	12115.11	96.12	28302.10	30.28	6706.00	2.85	-3190.23	23.67	-10362.06	111.15	-4416.26	-1.87	-26.70	-1.09	-2868.63	-13.03	-3112.54	-3.62	-2277.11	-13.17	-6.90	-0.04	-16.36	-0.02	40596.91	-0.60	-11434.24	4.02	-4240.39	-7.05
		10X	Low	0%	384.48	12114.03	95.04	28304.41	32.59	6710.26	7.12	-3202.64	11.26	-10444.87	28.35	-4300.18	114.21	-26.72	-1.10	-2869.08	-13.49	-3107.79	1.14	-2277.18	-13.23	-6.90	-0.04	-16.34	0.00	40601.57	4.05	-11462.12	-23.86	-4194.33	39.01
Model Layer 9	Zone 31 (10 ft/day)	0.1X	Low	0%	296.68	12114.97	95.98	28302.40	30.58	6706.56	3.42	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.01	-11438.27	0.00	-4233.34	0.00
		10X	Low	0%	296.86	12115.03	96.04	28302.45	30.63	6706.50	3.35	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.60	0.08	-11438.32	-0.06	-4233.34	0.00
	Zone 32 (10 ft/day)	0.1X	Low	0%	298.00	12114.85	95.86	28302.16	30.34	6707.44	4.29	-3192.14	21.76	-10369.20	104.01	-4403.92	10.47	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.91	0.39	-11438.70	-0.44	-4233.36	-0.02
		10X	Low	0%	310.60	12116.14	97.16	28304.74	32.92	6697.98	-5.16	-3192.09	21.81	-10369.07	104.15	-4403.60	10.79	-26.70	-1.09	-2868.68	-13.09	-3111.88	-2.96	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40593.67	-3.85	-11434.02	4.24	-4233.17	0.17
	Zone 33 (10 ft/day)	0.1X	Low	0%	298.51	12114.78	95.79	28302.33	30.50	6707.69	4.55	-3192.17	21.73	-10369.30	103.91	-4404.16	10.23	-26.70	-1.09	-2868.69	-13.10	-3111.95	-3.03	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40598.21	0.69	-11438.75	-0.49	-4233.50	-0.16
		10X	Low	0%	316.22	12116.49	97.50	28303.42	31.60	6696.77	-6.38	-3191.85	22.05	-10368.38	104.83	-4401.93	12.46	-26.70	-1.09	-2868.67	-13.08	-3111.66	-2.74	-2277.10	-13.15	-6.90	-0.04	-16.36	-0.02	40591.83	-5.68	-11433.83	4.43	-4232.16	1.18
	Zone 34 (10 ft/day)	0.1X	Low	0%	299.37	12114.83	95.84	28302.69	30.87	6707.08	3.93	-3192.42	21.47	-10370.13	103.09	-4402.19	12.20	-26.70	-1.09	-2868.69	-13.10	-3111.72	-2.80	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40598.06	0.54	-11439.28	-1.01	-4233.14	0.20
		10X	Low	0%	319.92	12116.32	97.34	28299.60	27.78	6701.48	-1.67	-3189.30	24.60	-10360.13	113.08	-4420.43	-6.04	-26.71	-1.09	-2868.62	-13.03	-3113.84	-4.92	-2277.18	-13.23	-6.90	-0.04	-16.37	-0.03	40592.30	-5.22	-11428.34	9.92	-4235.29	-1.94
	Zone 35 (5 ft/day)	0.1X	Low	0%	297.03	12114.92	95.93	28302.50	30.68	6706.74	3.59	-3192.11	21.79	-10369.86	103.35	-4403.69	10.70	-26.70	-1.09	-2868.70	-13.11	-3111.74	-2.82	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.71	0.19	-11437.97	0.29	-4233.58	-0.24
		10X	Low	0%	306.53	12115.43	96.45	28301.42	29.59	6704.83	1.69	-3192.34	21.56	-10362.94	110.27	-4405.92	8.47	-26.70	-1.08	-2868.51	-12.92	-3113.68	-4.76	-2277.09	-13.14	-6.90	-0.04	-16.37	-0.03	40595.74	-1.78	-11440.79	-2.53	-4231.12	2.22
	Zone 36 (5 ft/day)	0.1X	Low	0%	296.75	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.13	21.77	-10369.18	104.03	-4403.95	10.44	-26.70	-1.09	-2868.69	-13.10	-3111.91	-2.99	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.23	0.04	-4233.43	-0.09
		10X	Low	0%	298.29	12114.97	95.98	28302.38	30.56	6706.53	3.38	-3192.15	21.74	-10369.28	103.94	-4403.37	11.02	-26.70	-1.09	-2868.62	-13.03	-3112.12	-3.19	-2277.10	-13.15	-6.90	-0.04	-16.36	-0.02	40597.48	-0.04	-11438.58	-0.32	-4232.56	0.78
	Zone 37 (0.5 ft/day)	0.1X	Low	0%	299.41	12114.67	95.68	28302.37	30.55	6707.52	4.38	-3192.46	21.44	-10369.52	103.69	-4402.99	11.40	-26.70	-1.09	-2868.70	-13.11	-3111.65	-2.73	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40598.05	0.53	-11439.80	-1.54	-4233.38	-0.04
		10X	Low	0%	311.49	12116.49	97.51	28301.72	29.90	6701.91	-1.23	-3189.15	24.75	-10365.63	107.58	-4410.60	3.79	-26.70	-1.09	-2868.55	-12.96	-3114.07	-5.14	-2277.14	-13.19	-6.90	-0.04	-16.37	-0.04	40594.41	-3.11	-11428.31	9.95	-4232.12	1.22
	Zone 38 (2 ft/day)	0.1X	Low	0%	302.03	12114.94	95.95	28302.47	30.65	6706.66	3.52	-3192.14	21.76	-10369.26	103.95	-4405.90	8.49	-26.70	-1.08	-2867.96	-12.37	-3117.25	-8.33	-2277.06	-13.11	-6.90	-0.04	-16.36	-0.02	40597.64	0.12	-11436.59	1.67	-4232.35	0.99
		10X	Low	0%	384.26	12115.20	96.21	28301.80	29.98	6705.62	2.48	-3192.08	21.82	-10368.56	104.66	-4386.55	27.85	-26.77	-1.15	-2874.82	-19.23	-3065.80	43.12	-2277.70	-13.76	-6.90	-0.04	-16.39	-0.06	40596.51	-1.00	-11452.63	-14.37	-4241.89	-8.55
	Zone 39 (0.5 ft/day)	0.1X	Low	0%	296.97	12114.97	95.98	28302.40	30.58	6706.55	3.40	-3192.11	21.79	-10369.08	104.13	-4404.18	10.21	-26.70	-1.09	-2868.68	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11438.15	0.12	-4233.69	-0.35
		10X	Low	0%	302.91	12114.94	95.95	28302.42	30.60	6706.61	3.47	-3192.34	21.56	-10370.28	102.94	-4401.02	13.37	-26.70	-1.09	-2868.70	-13.11	-3111.88	-2.96	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.56	0.05	-11439.41	-1.15	-4229.91	3.44
Model Layer 10	Zone 32 (10 ft/day)	0.1X	Low	0%	298.42	12114.44	95.45	28301.45	29.63	6708.72	5.57	-3192.14	21.76	-10369.22	103.99	-4403.96	10.43	-26.70	-1.09	-2868.69	-13.09	-3111.93	-3.01	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40598.08	0.56	-11438.81	-0.55	-4233.38	-0.04
		10X	Low	0%	337.17	12120.03	101.04	28311.56	39.74	6685.56	-17.59	-3192.04	21.86	-10368.92	104.30	-4403.24	11.15	-26.70	-1.09	-2868.68	-13.09	-3111.83	-2.91	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40592.11	-5.41	-11432.87	5.39	-4232.94	0.40
	Zone 33 (10 ft/day)	0.1X	Low	0%	298.96	12115.29	96.30	28301.20	29.38	6708.42	5.28	-3192.16	21.74	-10369.27	103.94	-4404.09	10.30	-26.70	-1.09	-2868.69	-13.09	-3111.94	-3.02	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40598.31	0.79	-11438.93	-0.67	-4233.46	-0.12
		10X	Low	0%	326.80	12111.48	92.49	28312.10	40.28	6691.77	-11.37	-3191.92	21.98	-10368.57	104.64	-4402.35	12.04	-26.70	-1.09	-2868.67	-13.08	-3111.71	-2.79	-2277.10	-13.16	-6.90	-0.04	-16.36	-0.02	40590.60	-6.92	-11432.28	5.99	-4232.42	0.92
	Zone 34 (10 ft/day)	0.1X	Low	0%	296.73	12114.96	95.97	28302.40	30.58	6706.56	3.42	-3192.14	21.76	-10369.20	104.01	-4403.86	10.53	-26.70	-1.09	-2868.69	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.53	0.01	-11438.29	-0.03	-4233.33	0.01
		10X	Low	0%	296.85	12114.99	96.00	28302.35	30.53	6706.47	3.32	-3192.08	21.81	-10369.07	104.14	-4404.22	10.17	-26.70	-1.09	-2868.68	-13.09	-3111.96	-3.03	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.42	-0.10	-11438.02	0.24	-4233.41	-0.07
	Zone 35 (5 ft/day)	0.1X	Low	0%	296.68	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.13	21.77	-10369.21	104.01	-4403.91	10.48	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.24	0.02	-4233.35	-0.01
		10X	Low	0%	297.20	12114.98	95.99	28302.38	30.55	6706.51	3.37	-3192.14	21.76	-10369.06	104.16	-4403.75	10.64	-26.70	-1.09	-2868.69	-13.09	-3111.86	-2.94	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.46	-0.06	-11438.47	-0.21	-4233.23	0.11
	Zone 36 (5 ft/day)	0.1X	Low	0%	296.75	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.03	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.10	-3111.87	-2.95	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.28	-0.01	-4233.44	-0.10
		10X	Low	0%	297.54	12114.96	95.97	28302.40	30.58	6706.56	3.41	-3192.14	21.76	-10369.22	103.99	-4403.96	10.43	-26.70	-1.09	-2868.65	-13.06	-3112.19	-3.26	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.16	0.10	-4232.69	0.65
	Zone 37 (0.1 ft/day)	0.1X	Low	0%	301.73	12115.01	96.03	28302.20	30.38	6706.42	3.27	-3192.20	21.70	-10369.40	103.82	-4401.51	12.89	-26.70	-1.08	-2868.56	-12.96	-3112.67	-3.75	-2277.08	-13.13	-6.90	-0.04	-16.36	-0.02	40597.29	-0.23	-11440.07	-1.81	-4232.70	0.64
		10X	Low	0%	295.31	12114.98	96.00	28302.96	31.14	6706.46	3.32	-3191.82	22.07	-10368.20	105.01	-4414.85	-0.46	-26.74	-1.12	-2869.22	-13.63	-3108.71	0.21	-2277.31	-13.37	-6.90	-0.04	-16.34	-0.01	40597.80	0.29	-11431.86	6.41	-4235.59	-2.25
	Zone 38 (2 ft/day)	0.1X	Low	0%	302.05	12114.94	95.95	28302.47	30.65	6706.66	3.51	-3192.14	21.76	-10369.26	103.95	-4405.82	8.57	-26.70	-1.08	-2868.40	-12.81	-3116.80	-7.88	-2277.06	-13.11	-6.90	-0.04	-16.35	-0.02	40597.63	0.11	-11436.67	1.60	-4232.31	1.03
		10X	Low	0%	369.02	12115.18	96.19	28301.87	30.05	6705.72	2.58	-3192.09	21.81	-10368.61	104.60	-4388.41	25.98	-26.76	-1.15	-2870.31	-14.71	-3072.92	36.00	-2277.67	-13.72	-6.90	-0.04	-16.40	-0.06	40596.63	-0.89	-11451.03	-12.77	-4241.82	-8.48
	Zone 39 (0.1 ft/day)	0.1X	Low	0%	296.71	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.14	21.76	-10369.19	104.02	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.29	-0.02	-4233.38	-0.04
		10X	Low	0%	297.51	12114.96	95.97	28302.40	30.58	6706.55	3.41	-3192.08	21.82	-10369.16	104.05	-4403.77	10.63	-26.70	-1.09	-2868.68	-13.09	-3111.93	-3.01	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11438.05	0.22	-4232.93	0.41
Model Layer 1 (storage coefficient = 0.001)	Zone 31	0.1X	Low	0%	297.13	12115.11	96.12	28302.50	30.68	6706.58	3.43	-3192.13	21.76	-10369.19	104.02	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.43	-0.08	-11438.38	-0.12	-4233.34	0.00
		10X	Low	0%	301.42	12115.15	96.16	28302.48	30.65	6706.58	3.44	-3192.13	21.77	-10369.18	104.03	-4403.90	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40601.86	4.34	-11438.34	-0.08	-4233.30	0.04
	Zone 32	0.1X	Low	0%	296.79	12115.03	96.04	28302.36	30.54	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.53	0.01	-11438.35	-0.08	-4233.35	-0.01
		10X	Low	0%	297.61	12114.33	95.35	28302.82	31.00	6706.57	3.43	-3192.13	21.77	-10369.18	104.03	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.28	-0.24	-11437.43	0.83	-4233.29	0.06
	Zone 33	0.1X	Low	0%	296.92	12115.10	96.11	28302.34	30.52	6706.56	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.63	0.11	-11438.32	-0.06	-4233.35	-0.01
		10X	Low	0%	297.75	12113.61	94.63	28302.98	31.16	6706.53	3.38	-3192.13	21.76	-10369.19	104.03	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40596.34	-1.18	-11437.64	0.63	-4233.27	0.07
	Zone 34	0.1X	Low	0%	296.86	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.14	21.76	-10369.21	104.00	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11438.06	0.20	-4233.37	-0.03
		10X	Low	0%	299.27	12114.96	95.97	28302.42	30.60	6706.57	3.43	-3192.05	21.85	-10369.01	104.21	-4403.86	10.53	-26.70	-1.09	-2868.69	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.55	0.04	-11440.24	-1.97	-4233.08	0.26
	Zone 35	0.1X	Low	0%	296.68	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.14	21.76	-10369.21	104.00	-4403.89	10.50	-26.70	-1.09	-2868.68	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.24	0.02	-4233.32	0.02
		10X	Low	0%	297.32	12114.97	95.98	28302.40	30.57	6706.55	3.40	-3192.10	21.80	-10369.02	104.20	-4403.88	10.51	-26.70	-1.09	-2868.70	-13.10	-3111.92	-3.00	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11438.49	-0.23	-4233.52	-0.18
	Zone 36	0.1X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.76	-10369.20	104.02	-4403.89	10.50	-26.70	-1.09	-2868.68	-13.09	-3111.92	-3.00	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.01	-4233.32	0.02
		10X	Low	0%	297.21	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.12	21.78	-10369.13	104.08	-4403.87	10.52	-26.72	-1.11	-2868.76	-13.17	-3111.92	-2.99	-2277.17	-13.23	-6.90	-0.04	-16.36	-0.02	40597.51	0.00	-11438.34	-0.07	-4233.57	-0.23
	Zone 37	0.1X	Low	0%	296.71	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.76	-10369.19	104.03	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.22	0.04	-4233.34	0.00
		10X	Low	0%	297.02	12114.98	95.99	28302.36	30.54	6706.54	3.40	-3192.12	21.78	-10369.22	104.00	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.49	-0.03	-11438.63	-0.37	-4233.33	0.01
	Zone 39	0.1X	Low	0%	296.68	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.03	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.01	-4233.34	0.00
		10X	Low	0%	296.72	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.14	21.76	-10369.21	104.00	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.33	-0.07	-4233.36	-0.02
Model Layer 2 (storage coefficient = 0.001)	Zone 31	0.1X	Low	0%	297.14	12115.10	96.11	28302.50	30.68	6706.57	3.43	-3192.13	21.76	-10369.19	104.02	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.40	-0.12	-11438.37	-0.11	-4233.34	0.00
		10X	Low	0%	302.30	12115.26	96.28	28302.53	30.71	6706.60	3.46	-3192.13	21.77	-10369.18	104.03	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40602.39	4.87	-11438.50	-0.24	-4233.30	0.04
	Zone 32	0.1X	Low	0%	297.00	12115.03	96.04	28302.30	30.48	6706.54	3.40	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.76	0.24	-11438.40	-0.13	-4233.35	-0.01
		10X	Low	0%	301.01	12114.36	95.37	28303.43	31.61	6706.65	3.50	-3192.13	21.76	-10369.19	104.02	-4403.92	10.47	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40595.11	-2.40	-11436.92	1.34	-4233.24	0.10
	Zone 33	0.1X	Low	0%	297.20	12115.02	96.03	28302.48	30.66	6706.56	3.42	-3192.13	21.77	-10369.18	104.03	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.70	0.18	-11438.08	0.18	-4233.35	-0.01
		10X	Low	0%	298.67	12114.45	95.46	28301.61	29.78	6706.45	3.31	-3192.17	21.73	-10369.28	103.93	-4404.00	10.39	-26.70	-1.09	-2868.69	-13.10	-3111.93	-3.01	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40595.75	-1.77	-11440.07	-1.81	-4233.29	0.05
	Zone 34	0.1X	Low	0%	297.14	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.76	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11437.83	0.43	-4233.37	-0.03
		10X	Low	0%	301.31	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.12	21.78	-10369.18	104.04	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.10	-3111.92	-3.00	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.53	0.01	-11442.53	-4.27	-4233.01	0.33
	Zone 35	0.1X	Low	0%	296.73	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.14	21.76	-10369.26	103.96	-4403.90	10.49	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.18	0.08	-4233.27	0.07
		10X	Low	0%	299.10	12114.97	95.98	28302.38	30.56	6706.53	3.39	-3192.02	21.87	-10368.52	104.69	-4403.84	10.55	-26.71	-1.09	-2868.73	-13.13	-3111.94	-3.01	-2277.16	-13.21	-6.90	-0.04	-16.36	-0.02	40597.50	-0.02	-11439.10	-0.83	-4234.02	-0.68
	Zone 36	0.1X	Low	0%	296.74	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.14	21.76	-10369.21	104.00	-4403.90	10.49	-26.70	-1.09	-2868.66	-13.07	-3111.92	-3.00	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.24	0.03	-4233.21	0.13
		10X	Low	0%	298.99	12114.97	95.98	28302.39	30.57	6706.54	3.40	-3192.08	21.82	-10368.97	104.25	-4403.81	10.59	-26.74	-1.13	-2868.91	-13.32	-3111.92	-3.00	-2277.27	-13.32	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11438.53	-0.27	-4234.62	-1.28
	Zone 37	0.1X	Low	0%	296.96	12114.96	95.97	28302.43	30.61	6706.56	3.42	-3192.14	21.76	-10369.17	104.04	-4403.88	10.51	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.02	0.24	-4233.34	0.00
		10X	Low	0%	298.78	12115.04	96.05	28302.12	30.30	6706.50	3.35	-3192.10	21.80	-10369.40	103.81	-4403.95	10.44	-26.70	-1.09	-2868.69	-13.10	-3111.93	-3.01	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.41	-0.11	-11440.70	-2.44	-4233.38	-0.04
	Zone 39	0.1X	Low	0%	296.70	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.03	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.24	0.02	-4233.34	0.00
		10X	Low	0%	296.80	12114.97	95.98	28302.39	30.57	6706.55	3.40	-3192.15	21.75	-10369.24	103.98	-4403.92	10.47	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11438.45	-0.18	-4233.39	-0.05
Model Layer 3 (storage coefficient = 0.001)	Zone 26	0.1X	Low	0%	297.39	12114.94	95.95	28302.48	30.66	6706.57	3.42	-3192.13	21.77	-10369.18	104.03	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.55	0.03	-11437.68	0.58	-4233.35	-0.01
		10X	Low	0%	301.82	12115.17	96.19	28301.55	29.73	6706.41	3.27	-3192.18	21.72	-10369.30	103.91	-4404.02	10.37	-26.70	-1.09	-2868.69	-13.10	-3111.93	-3.01	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.24	-0.28	-11444.05	-5.78	-4233.21	0.13
	Zone 31	0.1X	Low	0%	299.01	12114.11	95.13	28301.90	30.08	6706.42	3.28	-3192.13	21.77	-10369.18	104.03	-4403.87	10.52	-26.70	-1.09	-2868.69	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40595.02	-2.50	-11436.96	1.30	-4233.35	-0.01
		10X	Low	0%	352.76	12124.35	105.36	28308.04	36.22	6708.00	4.85	-3192.16	21.74	-10369.27	103.95	-4404.11	10.28	-26.70	-1.09	-2868.69	-13.10	-3111.95	-3.03	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40624.11	26.59	-11451.49	-13.23	-4233.24	0.10
	Zone 32	0.1X	Low	0%	297.56	12113.44	94.45	28301.08	29.26	6706.29	3.15	-3192.12	21.78	-10369.17	104.05	-4403.84	10.55	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40595.30	-2.22	-11436.58	1.68	-4233.36	-0.02
		10X	Low	0%	365.16	12129.99	111.00	28315.45	43.63	6709.15	6.01	-3192.23	21.67	-10369.43	103.79	-4404.42	9.97	-26.71	-1.09	-2868.70	-13.11	-3111.98	-3.06	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40619.27	21.75	-11454.84	-16.58	-4233.07	0.27
	Zone 33	0.1X	Low	0%	299.36	12114.94	95.95	28302.79	30.97	6706.59	3.44	-3192.12	21.78	-10369.17	104.05	-4403.85	10.55	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.71	0.20	-11436.29	1.98	-4233.40	-0.06
		10X	Low	0%	314.10	12115.25	96.26	28298.51	26.69	6706.21	3.06	-3192.23	21.66	-10369.42	103.79	-4404.32	10.07	-26.71	-1.09	-2868.70	-13.11	-3111.97	-3.05	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40595.71	-1.81	-11457.99	-19.72	-4232.80	0.54
	Zone 34	0.1X	Low	0%	297.45	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.17	104.04	-4403.89	10.50	-26.70	-1.09	-2868.68	-13.09	-3111.92	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.50	-0.02	-11437.56	0.70	-4233.38	-0.04
		10X	Low	0%	303.87	12114.97	95.98	28302.40	30.57	6706.54	3.40	-3192.18	21.72	-10369.38	103.83	-4403.93	10.46	-26.70	-1.09	-2868.70	-13.10	-3111.92	-3.00	-2277.13	-13.19	-6.90	-0.04	-16.36	-0.02	40597.56	0.04	-11445.25	-6.99	-4232.90	0.44
	Zone 35	0.1X	Low	0%	296.97	12114.96	95.97	28302.41	30.59	6706.57	3.43	-3192.27	21.62	-10369.75	103.46	-4403.92	10.47	-26.70	-1.09	-2868.66	-13.06	-3111.90	-2.98	-2277.10	-13.15	-6.90	-0.04	-16.36	-0.02	40597.53	0.01	-11437.57	0.69	-4232.96	0.38
		10X	Low	0%	315.25	12115.02	96.03	28302.28	30.46	6706.40	3.26	-3190.72	23.17	-10363.69	109.52	-4403.57	10.82	-26.73	-1.11	-2868.98	-13.39	-3112.05	-3.13	-2277.40	-13.45	-6.90	-0.04	-16.36	-0.02	40597.39	-0.13	-11445.13	-6.87	-4237.19	-3.85
	Zone 36	0.1X	Low	0%	296.86	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.14	21.76	-10369.23	103.98	-4403.91	10.48	-26.70	-1.08	-2868.65	-13.06	-3111.92	-2.99	-2277.10	-13.15	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.21	0.05	-4233.07	0.28
		10X	Low	0%	301.26	12114.97	95.98	28302.39	30.57	6706.54	3.39	-3192.03	21.86	-10368.76	104.45	-4403.74	10.65	-26.75	-1.14	-2868.99	-13.40	-3111.92	-3.00	-2277.40	-13.45	-6.90	-0.04	-16.36	-0.02	40597.50	-0.02	-11438.76	-0.50	-4236.13	-2.79
	Zone 37	0.1X	Low	0%	297.33	12114.94	95.95	28302.49	30.67	6706.57	3.42	-3192.13	21.76	-10369.16	104.06	-4403.88	10.51	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.55	0.04	-11437.75	0.51	-4233.34	0.00
		10X	Low	0%	301.27	12115.21	96.22	28301.50	29.68	6706.40	3.26	-3192.15	21.75	-10369.54	103.67	-4404.00	10.39	-26.70	-1.09	-2868.70	-13.10	-3111.94	-3.02	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.14	-0.38	-11443.68	-5.42	-4233.39	-0.05
	Zone 38	0.1X	Low	0%	296.73	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.76	-10369.19	104.02	-4403.89	10.50	-26.71	-1.10	-2868.68	-13.09	-3111.92	-3.00	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.01	-4233.28	0.06

Table 5-2. Sensitivity Analysis -- Inter-basin Flows and Stream Percolation
units: Acre-feet per year

Parameters			Multiplier	Sensitivity	diff (%)	Sum of absolute fluxes Default = 129641.846	Piru to Fillmore in System Default = 12018.990		Piru to Fillmore in System Default = 28271.821		Piru to Fillmore in System Default = 6703.143		Fillmore to Santa Paula in Default = -3213.897		Fillmore to Santa Paula in Default = -10473.213		Fillmore to Santa Paula Default = -4414.391		Santa Paula to Default = -25.615		Santa Paula to Mound ib Default = -2855.593		Santa Paula to Mound ib Default = -3108.92		Santa Paula to Oxnard in Default = -2263.948		Santa Paula to Default = -6.86		Santa Paula to Default = -16.337		STR Percolation in Piru Default = 40597.518		STR Percolation in Fillmore Default = -11438.262		STR Percolation in Santa Default = -4233.34	
						Sum of absolute diff	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.
Storage Coefficient		Zone 38	10X	Low	0%	297.40	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.12	21.78	-10369.15	104.06	-4403.87	10.52	-26.61	-1.00	-2868.71	-13.11	-3111.91	-2.99	-2277.18	-13.23	-6.90	-0.04	-16.36	-0.02	40597.51	0.00	-11438.32	-0.06	-4233.96	-0.62
		Zone 39	0.1X	Low	0%	296.85	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.13	21.76	-10369.20	104.01	-4403.91	10.48	-26.70	-1.09	-2868.69	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.21	0.05	-4233.18	0.16
			10X	Low	0%	299.05	12114.97	95.98	28302.39	30.56	6706.53	3.39	-3192.13	21.77	-10369.09	104.12	-4403.74	10.65	-26.70	-1.09	-2868.69	-13.10	-3111.94	-3.02	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.48	-0.04	-11438.77	-0.50	-4234.93	-1.59
	Model Layer 4 (storage coefficient = 0.001)	Zone 26	0.1X	Low	0%	297.53	12114.94	95.95	28302.51	30.69	6706.57	3.43	-3192.13	21.77	-10369.18	104.04	-4403.88	10.52	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.56	0.04	-11437.58	0.68	-4233.35	-0.01
			10X	Low	0%	302.62	12115.23	96.24	28301.32	29.50	6706.38	3.23	-3192.20	21.70	-10369.34	103.87	-4404.05	10.34	-26.70	-1.09	-2868.69	-13.10	-3111.94	-3.02	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.16	-0.35	-11445.07	-6.81	-4233.20	0.14
		Zone 31	0.1X	Low	0%	298.72	12113.75	94.76	28301.68	29.85	6706.37	3.22	-3192.13	21.77	-10369.18	104.03	-4403.86	10.53	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40595.16	-2.36	-11436.48	1.78	-4233.35	-0.01
			10X	Low	0%	359.62	12127.21	108.22	28309.80	37.97	6708.43	5.29	-3192.17	21.72	-10369.30	103.92	-4404.18	10.21	-26.70	-1.09	-2868.69	-13.10	-3111.96	-3.03	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40622.36	24.84	-11455.12	-16.85	-4233.22	0.12
		Zone 32	0.1X	Low	0%	298.32	12111.34	92.36	28299.42	27.60	6705.94	2.80	-3192.11	21.79	-10369.13	104.09	-4403.77	10.62	-26.70	-1.09	-2868.68	-13.09	-3111.90	-2.98	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40592.87	-4.65	-11434.25	4.01	-4233.36	-0.01
			10X	Low	0%	449.25	12150.27	131.29	28331.49	59.67	6712.46	9.31	-3192.38	21.52	-10369.82	103.39	-4405.09	9.30	-26.71	-1.09	-2868.71	-13.12	-3112.06	-3.14	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40642.65	45.13	-11477.13	-38.87	-4233.18	0.16
		Zone 33	0.1X	Low	0%	300.50	12114.91	95.93	28303.03	31.21	6706.61	3.47	-3192.11	21.79	-10369.15	104.07	-4403.82	10.57	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.75	0.23	-11435.47	2.79	-4233.40	-0.06
			10X	Low	0%	319.58	12115.52	96.53	28296.22	24.40	6705.99	2.84	-3192.33	21.57	-10369.65	103.57	-4404.59	9.80	-26.71	-1.09	-2868.71	-13.12	-3112.00	-3.08	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40595.36	-2.16	-11465.88	-27.62	-4232.79	0.55
		Zone 34	0.1X	Low	0%	297.50	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.17	104.04	-4403.89	10.50	-26.70	-1.09	-2868.68	-13.09	-3111.92	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.50	-0.01	-11437.51	0.75	-4233.39	-0.05
			10X	Low	0%	304.35	12114.98	95.99	28302.39	30.57	6706.54	3.39	-3192.18	21.72	-10369.41	103.80	-4403.93	10.46	-26.70	-1.09	-2868.70	-13.10	-3111.93	-3.01	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40597.56	0.04	-11445.73	-7.47	-4232.88	0.47
		Zone 35	0.1X	Low	0%	297.28	12114.96	95.97	28302.42	30.60	6706.58	3.44	-3192.37	21.53	-10370.13	103.08	-4403.95	10.45	-26.70	-1.09	-2868.64	-13.04	-3111.89	-2.97	-2277.08	-13.13	-6.90	-0.04	-16.36	-0.02	40597.54	0.02	-11437.16	1.10	-4232.53	0.81
			10X	Low	0%	328.88	12115.05	96.06	28302.21	30.38	6706.31	3.17	-3189.82	24.07	-10359.95	113.26	-4403.36	11.03	-26.74	-1.13	-2869.18	-13.59	-3112.13	-3.21	-2277.58	-13.63	-6.90	-0.04	-16.36	-0.02	40597.32	-0.20	-11449.14	-10.88	-4241.53	-8.19
		Zone 36	0.1X	Low	0%	297.32	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.16	21.74	-10369.31	103.91	-4403.93	10.46	-26.70	-1.08	-2868.62	-13.03	-3111.91	-2.99	-2277.07	-13.12	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.13	0.13	-4232.53	0.81
			10X	Low	0%	309.11	12114.98	95.99	28302.37	30.55	6706.51	3.37	-3191.87	22.02	-10368.06	105.15	-4403.54	10.85	-26.78	-1.16	-2869.30	-13.70	-3111.95	-3.03	-2277.63	-13.68	-6.90	-0.04	-16.36	-0.02	40597.47	-0.05	-11439.56	-1.30	-4241.53	-8.19
		Zone 37	0.1X	Low	0%	297.44	12114.94	95.95	28302.51	30.69	6706.57	3.43	-3192.13	21.76	-10369.17	104.04	-4403.88	10.51	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.56	0.04	-11437.66	0.60	-4233.33	0.01
			10X	Low	0%	302.39	12115.25	96.26	28301.31	29.49	6706.35	3.20	-3192.12	21.78	-10369.41	103.81	-4404.02	10.38	-26.71	-1.09	-2868.70	-13.11	-3111.95	-3.03	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40597.00	-0.52	-11444.61	-6.35	-4233.47	-0.13
		Zone 38	0.1X	Low	0%	296.74	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.76	-10369.20	104.02	-4403.90	10.49	-26.67	-1.06	-2868.72	-13.12	-3111.92	-3.00	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.01	-4233.25	0.09
			10X	Low	0%	297.81	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.12	21.78	-10369.13	104.09	-4403.85	10.54	-26.98	-1.37	-2868.40	-12.81	-3111.91	-2.99	-2277.20	-13.26	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.35	-0.09	-4234.22	-0.88
		Zone 39	0.1X	Low	0%	296.90	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.13	21.76	-10369.21	104.00	-4403.92	10.47	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.19	0.08	-4233.13	0.21
			10X	Low	0%	300.15	12114.97	95.98	28302.38	30.56	6706.52	3.38	-3192.11	21.79	-10368.96	104.25	-4403.60	10.79	-26.70	-1.09	-2868.69	-13.10	-3111.96	-3.04	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.47	-0.05	-11439.04	-0.78	-4235.45	-2.11
	Model Layer 5 (storage coefficient = 0.001)	Zone 26	0.1X	Low	0%	297.52	12114.94	95.95	28302.51	30.69	6706.57	3.43	-3192.13	21.77	-10369.18	104.04	-4403.88	10.51	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.55	0.04	-11437.59	0.68	-4233.35	-0.01
			10X	Low	0%	302.65	12115.23	96.24	28301.32	29.49	6706.38	3.23	-3192.20	21.70	-10369.34	103.87	-4404.05	10.34	-26.70	-1.09	-2868.69	-13.10	-3111.94	-3.02	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.16	-0.35	-11445.10	-6.83	-4233.20	0.14
		Zone 31	0.1X	Low	0%	298.33	12113.95	94.96	28301.78	29.96	6706.40	3.25	-3192.13	21.77	-10369.18	104.03	-4403.87	10.52	-26.70	-1.09	-2868.69	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40595.58	-1.94	-11436.78	1.48	-4233.34	0.00
			10X	Low	0%	351.12	12125.54	106.55	28308.99	37.17	6708.20	5.06	-3192.17	21.73	-10369.29	103.92	-4404.15	10.24	-26.70	-1.09	-2868.69	-13.10	-3111.95	-3.03	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40619.02	21.50	-11452.66	-14.40	-4233.25	0.09
		Zone 32	0.1X	Low	0%	298.17	12110.76	91.77	28298.88	27.06	6705.84	2.69	-3192.10	21.80	-10369.11	104.10	-4403.75	10.65	-26.70	-1.09	-2868.68	-13.09	-3111.90	-2.98	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40592.38	-5.14	-11433.69	4.57	-4233.35	-0.01
			10X	Low	0%	470.21	12155.77	136.78	28336.47	64.65	6713.46	10.32	-3192.42	21.47	-10369.95	103.26	-4405.30	9.10	-26.71	-1.09	-2868.71	-13.12	-3112.08	-3.16	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40647.13	49.62	-11482.55	-44.29	-4233.25	0.09
		Zone 33	0.1X	Low	0%	300.73	12114.92	95.93	28303.07	31.25	6706.61	3.47	-3192.11	21.79	-10369.14	104.07	-4403.81	10.58	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.76	0.24	-11435.32	2.95	-4233.41	-0.07
			10X	Low	0%	320.86	12115.50	96.51	28295.82	24.00	6705.96	2.81	-3192.34	21.56	-10369.67	103.54	-4404.63	9.76	-26.71	-1.09	-2868.71	-13.12	-3112.01	-3.09	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40595.26	-2.25	-11467.53	-29.27	-4232.74	0.60
		Zone 34	0.1X	Low	0%	297.49	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.17	104.04	-4403.89	10.50	-26.70	-1.09	-2868.68	-13.09	-3111.92	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.50	-0.02	-11437.52	0.74	-4233.39	-0.05
			10X	Low	0%	304.36	12114.98	95.99	28302.39	30.57	6706.54	3.39	-3192.18	21.72	-10369.43	103.79	-4403.93	10.46	-26.70	-1.09	-2868.70	-13.10	-3111.93	-3.01	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40597.56	0.04	-11445.76	-7.49	-4232.88	0.46
		Zone 35	0.1X	Low	0%	297.46	12114.96	95.97	28302.42	30.60	6706.58	3.44	-3192.38	21.52	-10370.25	102.97	-4403.96	10.44	-26.70	-1.08	-2868.63	-13.03	-3111.89	-2.97	-2277.07	-13.12	-6.90	-0.04	-16.36	-0.02	40597.53	0.01	-11437.07	1.19	-4232.28	1.06
			10X	Low	0%	334.07	12115.06	96.07	28302.19	30.37	6706.29	3.14	-3189.66	24.23	-10358.79	114.42	-4403.25	11.15	-26.75	-1.13	-2869.27	-13.68	-3112.16	-3.24	-2277.64	-13.69	-6.90	-0.04	-16.36	-0.02	40597.29	-0.23	-11450.21	-11.94	-4244.06	-10.72
		Zone 36	0.1X	Low	0%	297.59	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.17	21.73	-10369.36	103.86	-4403.95	10.44	-26.69	-1.08	-2868.60	-13.01	-3111.91	-2.99	-2277.06	-13.11	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.08	0.18	-4232.18	1.16
			10X	Low	0%	314.47	12114.98	95.99	28302.36	30.53	6706.50	3.35	-3191.76	22.13	-10367.58	105.63	-4403.35	11.04	-26.80	-1.19	-2869.53	-13.93	-3111.97	-3.05	-2277.78	-13.83	-6.90	-0.04	-16.36	-0.02	40597.45	-0.07	-11440.14	-1.88	-4245.11	-11.77
		Zone 37	0.1X	Low	0%	297.77	12114.92	95.94	28302.55	30.73	6706.59	3.44	-3192.13	21.76	-10369.17	104.05	-4403.87	10.52	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.58	0.06	-11437.41	0.86	-4233.33	0.01
			10X	Low	0%	304.69	12115.38	96.39	28300.89	29.07	6706.21	3.07	-3192.13	21.76	-10369.45	103.76	-4404.09	10.30	-26.71	-1.09	-2868.70	-13.11	-3111.96	-3.04	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40596.77	-0.74	-11447.22	-8.96	-4233.49	-0.15
		Zone 38	0.1X	Low	0%	296.73	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.76	-10369.20	104.01	-4403.90	10.49	-26.69	-1.07	-2868.66	-13.07	-3111.92	-3.00	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11438.26	0.00	-4233.21	0.13
			10X	Low	0%	298.81	12114.96	95.98	28302.39	30.57	6706.55	3.40	-3192.11	21.79	-10369.08	104.13	-4403.83	10.56	-26.87	-1.26	-2868.92	-13.33	-3111.90	-2.98	-2277.24	-13.30	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.42	-0.16	-4234.63	-1.29
		Zone 39	0.1X	Low	0%	296.90	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.13	21.76	-10369.22	104.00	-4403.92	10.47	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.19	0.07	-4233.12	0.22
			10X	Low	0%	300.37	12114.97	95.98	28302.37	30.55	6706.52	3.38	-3192.11	21.79	-10368.95	104.26	-4403.59	10.81	-26.70	-1.09	-2868.69	-13.10	-3111.96	-3.04	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.46	-0.05	-11439.10	-0.83	-4235.58	-2.24
	Model Layer 6 (storage coefficient = 0.0005)	Zone 31	0.1X	Low	0%	297.58	12114.44	95.45	28302.07	30.25	6706.47	3.33	-3192.13	21.77	-10369.19	104.03	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40596.42	-1.10	-11437.53	0.73	-4233.34	0.00
			10X	Low	0%	327.70	12120.82	101.83	28306.06	34.24	6707.47	4.32	-3192.15	21.74	-10369.25	103.97	-4404.04	10.35	-26.70	-1.09	-2868.69	-13.10	-3111.94	-3.01	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40610.29	12.77	-11446.26	-7.99	-4233.30	0.04
		Zone 32	0.1X	Low	0%	297.39	12112.71	93.72	28300.48	28.66	6706.16	3.02	-3192.12	21.78	-10369.15	104.07	-4403.81	10.58	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40594.79	-2.72	-11435.82	2.45	-4233.34	0.00
			10X	Low	0%	391.37	12137.18	118.20	28321.21	49.39	6710.35	7.21	-3192.30	21.60	-10369.62	103.59	-4404.65	9.74	-26.71	-1.09	-2868.70	-13.11	-3112.01	-3.09	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40624.32	26.80	-11462.52	-24.26	-4233.30	0.04
		Zone 33	0.1X	Low	0%	299.23	12114.90	95.92	28302.83	31.01	6706.60	3.45	-3192.12	21.78	-10369.16	104.06	-4403.84	10.55	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.66	0.14	-11436.38	1.88	-4233.38	-0.04
			10X	Low	0%	312.38	12115.58	96.59	28298.11	26.29	6706.14	2.99	-3192.28	21.62	-10369.54	103.68	-4404.37	10.02	-26.71	-1.09	-2868.70	-13.11	-3111.98	-3.06	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40596.19	-1.33	-11457.24	-18.98	-4232.96	0.38
		Zone 34	0.1X	Low	0%	297.08	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.18	104.04	-4403.89	10.50	-26.70	-1.09	-2868.68	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.50	-0.01	-11437.90	0.36	-4233.36	-0.02
			10X	Low	0%	300.53	12114.97	95.98	28302.39	30.57	6706.54	3.40	-3192.14	21.76	-10369.34	103.87	-4403.93	10.46	-26.70	-1.09	-2868.69	-13.10	-3111.92	-3.00	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.01	-11442.10	-3.84	-4233.12	0.22
		Zone 35	0.1X	Low	0%	297.07	12114.96	95.97	28302.41	30.59	6706.57	3.42	-3192.26	21.64	-10369.75	103.47	-4403.93	10.46	-26.70	-1.09	-2868.66	-13.06	-3111.90	-2.98	-2277.10	-13.15	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11437.65	0.61	-4232.77	0.57
			10X	Low	0%	316.49	12115.01	96.03	28302.29	30.47	6706.41	3.27	-3190.85	23.05	-10363.68	109.54	-4403.54	10.85	-26.73	-1.11	-2868.99	-13.40	-3112.04	-3.12	-2277.39	-13.44	-6.90	-0.04	-16.36	-0.02	40597.39	-0.13	-11444.61	-6.34	-4239.03	-5.69
		Zone 36	0.1X	Low	0%	297.25	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.16	21.74	-10369.29	103.92	-4403.93	10.46	-26.70	-1.08	-2868.63	-13.03	-3111.91	-2.99	-2277.09	-13.14	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.16	0.11	-4232.58	0.76
			10X	Low	0%	308.32	12114.98	95.99	28302.37	30.55	6706.51	3.37	-3191.90	22.00	-10368.16	105.06	-4403.47	10.92	-26.77	-1.15	-2869.27	-13.68	-3111.97	-3.05	-2277.49	-13.54	-6.90	-0.04	-16.36	-0.02	40597.47	-0.05	-11439.56	-1.30	-4240.95	-7.61
		Zone 37	0.1X	Low	0%	297.40	12114.94	95.95	28302.49	30.67	6706.58	3.43	-3192.13	21.76	-10369.19	104.03	-4403.88	10.51	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.56	0.05	-11437.68	0.58	-4233.32	0.02
			10X	Low	0%	302.35	12115.23	96.24	28301.44	29.62	6706.31	3.17	-3192.12	21.77	-10369.26	103.95	-4404.00	10.39	-26.70	-1.09	-2868.70	-13.10	-3111.95	-3.03	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.04	-0.48	-11444.35	-6.09	-4233.51	-0.17
		Zone 38	0.1X	Low	0%	297.04	12115.00	96.01	28302.42	30.60	6706.56	3.42	-3192.13	21.76	-10369.20	104.01	-4403.90	10.49	-26.70	-1.08	-2868.66	-13.06	-3111.92	-3.00	-2277.11	-13.17	-6.90	-0.04	-16.36	-0.02	40597.33	-0.18	-11438.33	-0.07	-4233.21	0.13
			10X	Low	0%	298.77	12114.95	95.97	28302.38	30.56	6706.54	3.40	-3192.11	21.79	-10369.07	104.14	-4403.81	10.58	-26.78	-1.17	-2868.93	-13.34	-3111.88	-2.96	-2277.22	-13.27	-6.90	-0.04	-16.36	-0.02	40597.58	0.07	-11438.44	-0.17	-4234.63	-1.29
		Zone 39	0.1X	Low	0%	296.78	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.76	-10369.21	104.01	-4403.91	10.48	-26.70	-1.09	-2868.69	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.23	0.03	-4233.21	0.13
			10X	Low	0%	298.85	12114.97	95.98	28302.38	30.56	6706.53	3.39	-3192.11	21.78	-10369.04	104.17	-4403.70	10.70	-26.70	-1.09	-2868.69	-13.10	-3111.94	-3.02	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.48	-0.04	-11438.77	-0.51	-4234.61	-1.27
	Model Layer 7 (storage coefficient = 0.0005)	Zone 31	0.1X	Low	0%	297.70	12114.31	95.32	28301.99	30.17	6706.45	3.31	-3192.13	21.77	-10369.19	104.03	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40596.27	-1.24	-11437.33	0.94	-4233.34	0.00
			10X	Low	0%	336.26	12122.66	103.67	28307.38	35.56	6707.77	4.63	-3192.16	21.73	-10369.27	103.94	-4404.09	10.30	-26.70	-1.09	-2868.69	-13.10	-3111.94	-3.02	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40613.18	15.66	-11448.54	-10.27	-4233.30	0.04
		Zone 32	0.1X	Low	0%	297.48	12112.54	93.56	28300.32	28.50	6706.13	2.99	-3192.11	21.78	-10369.14	104.07	-4403.81	10.59	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40594.58	-2.94	-11435.60	2.66	-4233.34	0.00
			10X	Low	0%	398.75	12138.79	119.80	28322.82	50.99	6710.66	7.51	-3192.31	21.59	-10369.65	103.56	-4404.71	9.68	-26.71	-1.09	-2868.70	-13.11	-3112.01	-3.09	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40626.46	28.94	-11464.36	-26.10	-4233.31	0.03
		Zone 33	0.1X	Low	0%	299.33	12114.87	95.88	28302.87	31.05	6706.60	3.46	-3192.12	21.78	-10369.15	104.06	-4403.84	10.55	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.66	0.14	-11436.30	1.97	-4233.38	-0.04
			10X	Low	0%	312.76	12115.88	96.89	28297.70	25.88	6706.10	2.96	-3192.28	21.61	-10369.56	103.66	-4404.40	10.00	-26.71	-1.09	-2868.70	-13.11	-3111.98	-3.06	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40596.21	-1.31	-11457.84	-19.57	-4232.98	0.36
		Zone 34	0.1X	Low	0%	297.10	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.13	21.77	-10369.17	104.04	-4403.89	10.50	-26.70	-1.09	-2868.68	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11437.88	0.39	-4233.36	-0.02
			10X	Low	0%	300.49	12114.97	95.98	28302.39	30.57	6706.54	3.39	-3192.13	21.77	-10369.38	103.83	-4403.94	10.45	-26.70	-1.09	-2868.69	-13.10	-3111.92	-3.00	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11442.13	-3.87	-4233.14	0.20
		Zone 35	0.1X	Low	0%	297.13	12114.96	95.97	28302.41	30.59	6706.57	3.43	-3192.27	21.63	-10369.78	103.43	-4403.93	10.46	-26.70	-1.09	-2868.65	-13.06	-3111.90	-2.98	-2277.10	-13.15	-6.90	-0.04	-16.36	-0.02	40597.52	0.01	-11437.60	0.66	-4232.72	0.62
			10X	Low	0%	317.77	12115.01	96.03	28302.28	30.46	6706.41	3.26	-3190.78	23.11	-10363.32	109.90	-4403.51	10.88	-26.73	-1.11	-2869.00	-13.41	-3112.05	-3.13	-2277.40	-13.45	-6.90	-0.04	-16.36	-0.02	40597.39	-0.13	-11444.91	-6.65	-4239.53	-6.19
		Zone 36	0.1X	Low	0%	297.45	12114.96	95.97	28302.41	30.58	6706.56	3.42	-3192.16	21.74	-10369.32	103.89	-4404.00	10.39	-26.70	-1.08	-2868.61	-13.02	-3111.89	-2.97	-2277.09	-13.14	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.06	0.20	-4232.35	0.99
			10X	Low	0%	312.90	12114.99	96.00	28302.34	30.52	6706.47	3.33	-3191.83	22.06	-10367.88	105.33	-4402.79	11.60	-26.78	-1.16	-2869.46	-13.87	-3112.23	-3.31	-2277.52	-13.57	-6.90	-0.04	-16.36	-0.02	40597.43	-0.09	-11440.36	-2.10	-4243.24	-9.90
		Zone 37	0.1X	Low	0%	304.23	12114.81	95.82	28302.84	31.02	6706.89	3.75	-3192.08	21.81	-10369.13	104.08	-4403.79	10.60	-26.70	-1.09	-2868.66	-13.07	-3111.85	-2.93	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40598.01	0.50	-11432.62	5.64	-4232.62	0.72
			10X	Low	0%	358.50	12116.55	97.56	28297.93	26.11	6703.20	0.05	-3192.58	21.32	-10369.67	103.54	-4404.80	9.59	-26.72	-1.10	-2868.96	-13.36	-3112.53	-3.61	-2277.31	-13.36	-6.90	-0.04	-16.36	-0.02	40592.60	-4.92	-11495.05	-56.78	-4240.46	-7.12
		Zone 38	0.1X	Low	0%	296.90	12114.97	95.98	28302.40	30.58	6706.56	3.41	-3192.14	21.76	-10369.22	104.00	-4403.93	10.46	-26.70	-1.08	-2868.61	-13.01	-3111.96	-3.04	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40597.48	-0.04	-11438.23	0.04	-4233.08	0.27
			10X	Low	0%	300.95	12114.97	95.98	28302.38	30.56	6706.53	3.39	-3192.07	21.82	-10368.93	104.29	-4403.55	10.84	-26.80	-1.18	-2869.41	-13.82	-3111.48	-2.56	-2277.25	-13.30	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.76	-0.50	-4235.99	-2.65
		Zone 39	0.1X	Low	0%	296.91	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.13	21.77	-10369.21	104.00	-4403.92	10.47	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.01	-11438.15	0.12	-4233.17	0.17
			10X	Low	0%	300.06	12114.98	95.99	28302.37	30.54	6706.51	3.36	-3192.13	21.76	-10369.00	104.21	-4403.62	10.78	-26.70	-1.09	-2868.70	-13.10	-3111.97	-3.05	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.45	-0.07	-11439.44	-1.18	-4235.02	-1.68
	Model Layer 8 (storage coefficient = 0.0005)	Zone 31	0.1X	Low	0%	298.59	12114.54	95.55	28302.09	30.27	6706.46	3.32	-3192.13	21.77	-10369.18	104.03	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40595.33	-2.19	-11437.72	0.54	-4233.34	0.00
			10X	Low	0%	328.78	12121.45	102.47	28306.93	35.11	6707.79	4.65	-3192.17	21.73	-10369.28	103.93	-4404.08	10.31	-26.70	-1.09	-2868.69	-13.10	-3111.94	-3.02	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40609.32	11.80	-11446.60	-8.33	-4233.34	0.00
		Zone 32	0.1X	Low	0%	297.36	12112.79	93.80	28300.42	28.60	6705.90	2.76	-3192.11	21.78	-10369.14	104.07	-4403.80	10.59	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40594.64	-2.88	-11435.79	2.47	-4233.34	0.00
			10X	Low	0%	400.13	12138.07	119.08	28322.57	50.75	6712.88	9.73	-3192.34	21.56	-10369.73	103.49	-4404.79	9.60	-26.71	-1.09	-2868.70	-13.11	-3112.02	-3.10	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40625.74	28.22	-11465.25	-26.99	-4233.50	-0.16
		Zone 33	0.1X	Low	0%	302.09	12114.78	95.79	28302.88	31.06	6707.03	3.89	-3192.09	21.80	-10369.09	104.13	-4403.64	10.75	-26.70	-1.09	-2868.68	-13.09	-3111.89	-2.97	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.90	0.38	-11434.36	3.90	-4233.32	0.02
			10X	Low	0%	330.50	12117.51	98.52	28297.76	25.94	6701.91	-1.23	-3192.59	21.31	-10370.37	102.85	-4406.33	8.06	-26.71	-1.09	-2868.72	-13.13	-3112.20	-3.28	-2277.17	-13.22	-6.90	-0.04	-16.36	-0.02	40594.50	-3.01	-11476.49	-38.23	-4233.91	-0.57
		Zone 34	0.1X	Low	0%	297.56	12114.96	95.97	28302.42	30.60	6706.59	3.45	-3192.12	21.78	-10369.15	104.07	-4403.82	10.57	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.55	0.04	-11437.59	0.68	-4233.33	0.01
			10X	Low	0%	302.23	12115.04	96.05	28302.19	30.37	6706.19	3.05	-3192.23	21.67	-10369.62	103.59	-4404.61	9.78	-26.71	-1.09	-2868.70	-13.11	-3112.00	-3.08	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40597.18	-0.34	-11444.96	-6.70	-4233.50	-0.16
		Zone 35	0.1X	Low	0%	297.46	12114.95	95.96	28302.45	30.63	6706.63	3.49	-3192.24	21.65	-10369.72	103.50	-4404.99	9.40	-26.70	-1.09	-2868.65	-13.06	-3111.73	-2.81	-2277.09	-13.14	-6.90	-0.04	-16.36	-0.02	40597.57	0.05	-11436.78	1.48	-4232.19	1.15
			10X	Low	0%	341.21	12115.25	96.26	28301.94	30.12	6705.82	2.68	-3191.14	22.75	-10364.26	108.95	-4393.39	21.00	-26.73	-1.11	-2869.02	-13.43	-3113.68	-4.76	-2277.47	-13.52	-6.90	-0.04	-16.37	-0.03	40596.89	-0.63	-11452.77	-14.51	-4244.76	-11.42
		Zone 36	0.1X	Low	0%	297.75	12114.95	95.96	28302.43	30.61	6706.61	3.46	-3192.17	21.73	-10369.36	103.85	-4404.83	9.56	-26.70	-1.08	-2868.60	-13.01	-3111.61	-2.69	-2277.07	-13.12	-6.90	-0.04	-16.36	-0.02	40597.56	0.04	-11437.38	0.89	-4231.66	1.68
			10X	Low	0%	336.55	12115.15	96.16	28302.08	30.26	6706.04	2.90	-3191.84	22.06	-10367.64	105.57	-4394.96	19.43	-26.74	-1.12	-2869.47	-13.87	-3114.83	-5.91	-2277.67	-13.72	-6.90	-0.04	-16.38	-0.04	40597.02	-0.50	-11446.74	-8.48	-4249.83	-16.49
		Zone 37	0.1X	Low	0%	307.74	12114.75	95.76	28303.00	31.18	6707.13	3.98	-3192.02	21.88	-10369.02	104.20	-4404.30	10.09	-26.70	-1.09	-2868.64	-13.05	-3111.67	-2.75	-2277.08	-13.14	-6.90	-0.04	-16.36	-0.02	40598.19	0.67	-11430.01	8.26	-4231.68	1.66
			10X	Low	0%	402.72	12117.39	98.40	28296.54	24.72	6700.92	-2.22	-3193.25	20.65	-10370.87	102.35	-4399.76	14.63	-26.73	-1.12	-2869.16	-13.57	-3114.33	-5.41	-2277.52	-13.57	-6.90	-0.04	-16.37	-0.04	40590.47	-7.05	-11520.77	-82.51	-4249.78	-16.44
		Zone 38	0.1X	Low	0%	297.09	12114.96	95.97	28302.41	30.59	6706.57	3.43	-3192.14	21.76	-10369.23	103.98	-4404.18	10.21	-26.70	-1.09	-2868.64	-13.04	-3112.00	-3.08	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40597.53	0.01	-11438.01	0.25	-4232.87	0.47
			10X	Low	0%	306.47	12115.02	96.03	28302.30	30.48	6706.40	3.26	-3192.07	21.82	-10368.85	104.36	-4401.15	13.24	-26.69	-1.07	-2869.13	-13.54	-3111.00	-2.08	-2277.26	-13.32	-6.90	-0.04	-16.39	-0.05	40597.37	-0.15	-11440.66	-2.40	-4237.97	-4.63
		Zone 39	0.1X	Low	0%	297.14	12114.96	95.97	28302.41	30.58	6706.56	3.42	-3192.12	21.78	-10369.19	104.02	-4403.92	10.47	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.53	0.01	-11438.01	0.26	-4233.12	0.22
			10X	Low	0%	301.81	12114.99	96.00	28302.32	30.50	6706.45	3.31	-3192.23	21.66	-10369.18	104.03	-4403.61	10.79	-26.71	-1.09	-2868.70	-13.11	-3112.02	-3.10	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40597.39	-0.13	-11440.85	-2.59	-4235.58	-2.24
	Model Layer 9 (storage coefficient = 0.0005)	Zone 31	0.1X	Low	0%	608.29	12109.52	90.53	28316.55	44.73	6718.94	15.80	-3191.08	22.82	-10369.30	103.91	-4404.36	10.03	-26.69	-1.07	-2868.46	-12.86	-3110.30	-1.38	-2276.91	-12.96	-6.90	-0.04	-16.35	-0.01	40616.06	18.54	-11232.85	205.41	-4165.15	68.19
			10X	Low	0%	616.66	12112.59	93.61	28318.99	47.17	6719.83	16.69	-3191.10	22.79	-10369.36	103.86	-4404.47	9.92	-26.69	-1.07	-2868.46	-12.87	-3110.31	-1.39	-2276.91	-12.97	-6.90	-0.04	-16.35	-0.01	40621.96	24.44	-11236.61	201.65	-4165.16	68.19
		Zone 32	0.1X	Low	0%	604.38	12107.74	88.75	28314.93	43.11	6718.11	14.97	-3191.06	22.83	-10369.25	103.96	-4404.27	10.12	-26.69	-1.07	-2868.46	-12.86	-3110.29	-1.37	-2276.91	-12.96	-6.90	-0.04	-16.35	-0.01	40614.17	16.66	-11230.79	207.47	-4165.15	68.19
			10X	Low	1%	651.87	12129.78	110.79	28334.31	62.49	6727.46	24.31	-3191.29	22.61	-10369.84	103.38	-4405.31	9.08	-26.69	-1.08	-2868.47	-12.88	-3110.40	-1.48	-2276.93	-12.98	-6.90	-0.04	-16.35	-0.01	40639.14	41.62	-11257.17	181.09	-4165.31	68.03
		Zone 33	0.1X	Low	0%	617.14	12109.38	90.39	28317.20	45.38	6720.22	17.08	-3191.01	22.89	-10369.09	104.13	-4403.76	10.63	-26.69	-1.07	-2868.45	-12.86	-3110.23	-1.31	-2276.90	-12.95	-6.90	-0.04	-16.35	-0.01	40617.11	19.60	-11227.81	210.46	-4164.98	68.36
			10X	Low	0%	525.83	12114.08	95.09	28311.95	40.13	6707.06	3.91	-3191.92	21.98	-10371.57	101.64	-4410.30	4.09	-26.69	-1.08	-2868.53	-12.94	-3110.99	-2.07	-2277.00	-13.06	-6.90	-0.04	-16.35	-0.02	40609.31	11.79	-11286.47	151.79	-4167.12	66.22
		Zone 34	0.1X	Low	0%	610.01	12109.69	90.70	28316.75	44.93	6719.10	15.96	-3191.07	22.83	-10369.25	103.96	-4404.18	10.21	-26.69	-1.07	-2868.46	-12.86	-3110.28	-1.36	-2276.91	-12.96	-6.90	-0.04	-16.35	-0.01	40616.40	18.89	-11232.28	205.98	-4165.09	68.25
			10X	Low	0%	595.48	12109.95	90.96	28316.22	44.40	6718.09	14.94	-3191.24	22.66	-10369.82	103.39	-4406.19	8.20	-26.69	-1.08	-2868.48	-12.88	-3110.51	-1.59	-2276.94	-12.99	-6.90	-0.04	-16.35	-0.01	40615.54	18.02	-11241.52	196.74	-4165.77	67.57
		Zone 35	0.1X	Low	0%	609.33	12109.65	90.66	28316.81	44.99	6719.19	16.04	-3191.08	22.82	-10369.37	103.84	-4407.37	7.02	-26.69	-1.07	-2868.45	-12.85	-3109.81	-0.89	-2276.88	-12.93	-6.90	-0.04	-16.35	-0.01	40616.49	18.97	-11230.56	207.70	-4163.86	69.48
			10X	Low	0%	601.92	12110.37	91.38	28315.66	43.83	6717.26	14.11	-3191.17	22.72	-10368.71	104.50	-4374.73	39.66	-26.70	-1.09	-2868.57	-12.98	-3115.13	-6.21	-2277.23	-13.28	-6.90	-0.04	-16.38	-0.04	40614.74	17.22	-11258.63	179.63	-4178.12	55.22
		Zone 36	0.1X	Low	0%	609.23	12109.66	90.67	28316.78	44.96	6719.14	16.00	-3191.10	22.80	-10369.44	103.77	-4406.84	7.55	-26.69	-1.07	-2868.46	-12.86	-3109.48	-0.55	-2276.87	-12.92	-6.90	-0.04	-16.35	-0.01	40616.45	18.93	-11231.10	207.17	-4163.43	69.91
			10X	Low	0%	602.68	12110.21	91.22	28315.87	44.05	6717.66	14.52	-3190.98	22.92	-10368.02	105.19	-4379.92	34.48	-26.71	-1.09	-2868.48	-12.89	-3118.44	-9.51	-2277.33	-13.38	-6.90	-0.04	-16.39	-0.06	40615.04	17.52	-11253.46	184.81	-4182.34	51.00
		Zone 37	0.1X	Low	0%	623.73	12109.35	90.36	28317.47	45.65	6720.00	16.85	-3190.89	23.01	-10368.85	104.37	-4405.31	9.08	-26.69	-1.07	-2868.41	-12.82	-3109.80	-0.88	-2276.86	-12.91	-6.90	-0.04	-16.35	-0.01	40617.42	19.91	-11221.84	216.42	-4162.98	70.36
			10X	Low	0%	458.46	12113.47	94.48	28308.94	37.12	6709.17	6.02	-3193.06	20.83	-10373.75	99.46	-4394.85	19.54	-26.72	-1.11	-2868.91	-13.31	-3115.18	-6.26	-2277.41	-13.47	-6.90	-0.04	-16.38	-0.04	40605.40	7.88	-11345.98	92.28	-4186.73	46.61
		Zone 38	0.1X	Low	0%	609.09	12109.69	90.71	28316.73	44.91	6719.05	15.91	-3191.09	22.81	-10369.35	103.86	-4405.18	9.22	-26.69	-1.07	-2868.49	-12.90	-3110.21	-1.29	-2276.90	-12.95	-6.90	-0.04	-16.35	-0.01	40616.37	18.85	-11232.48	205.79	-4164.54	68.80
			10X	Low	0%	604.24	12109.88	90.89	28316.43	44.61	6718.56	15.42	-3191.04	22.86	-10368.83	104.38	-4396.34	18.05	-26.69	-1.07	-2868.16	-12.57	-3111.19	-2.27	-2277.04	-13.10	-6.90	-0.04	-16.37	-0.04	40615.91	18.39	-11239.81	198.45	-4171.23	62.11
		Zone 39	0.1X	Low	0%	610.64	12109.70	90.71	28316.72	44.90	6719.04	15.89	-3191.06	22.84	-10369.30	103.91	-4404.42	9.97	-26.69	-1.07	-2868.45	-12.86	-3110.27	-1.34	-2276.91	-12.96	-6.90	-0.04	-16.35	-0.01	40616.36	18.84	-11232.42	205.84	-4163.90	69.44
			10X	Low	0%	588.78	12109.80	90.81	28316.48	44.66	6718.70	15.56	-3191.30	22.59	-10369.32	103.89	-4403.81	10.58	-26.69	-1.08	-2868.51	-12.91	-3110.64	-1.72	-2276.96	-13.01	-6.90	-0.04	-16.35	-0.01	40615.96	18.44	-11240.43	197.83	-4177.70	55.64

Table 5-2. Sensitivity Analysis -- Inter-basin Flows and Stream Percolation

units: Acre-feet per year

Parameters			Multiplier	Sensitivity	diff (%)	Sum of absolute fluxes Default = 129641.846	Piru to Fillmore in System Default = 12018.990		Piru to Fillmore in System Default = 28271.821		Piru to Fillmore in System Default = 6703.143		Fillmore to Santa Paula in Default = -3213.897		Fillmore to Santa Paula in Default = -10473.213		Fillmore to Santa Paula Default = -4414.391		Santa Paula to Default = -25.615		Santa Paula to Mound ib Default = -2855.593		Santa Paula to Mound ib Default = -3108.92		Santa Paula to Oxnard in Default = -2263.948		Santa Paula to Default = -6.86		Santa Paula to Default = -16.337		STR Percolation in Piru Default = 40597.518		STR Percolation in Fillmore Default = -11438.262		STR Percolation in Santa Default = -4233.34	
						Sum of absolute diff	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.
	Model Layer 10 (storage coefficient = 0.0005)	Zone 32	0.1X	Low	1%	729.88	12107.14	88.15	28320.27	48.45	6723.30	20.15	-3181.92	31.98	-10341.31	131.90	-4379.35	35.05	-26.66	-1.05	-2868.11	-12.52	-3108.21	0.71	-2276.60	-12.65	-6.89	-0.03	-16.34	0.00	40621.80	24.28	-11142.79	295.48	-4205.86	27.48
			10X	Low	1%	753.92	12118.03	99.04	28330.41	58.59	6729.50	26.35	-3182.05	31.85	-10341.65	131.57	-4379.95	34.44	-26.66	-1.05	-2868.12	-12.53	-3108.28	0.64	-2276.61	-12.66	-6.89	-0.03	-16.34	0.00	40632.83	35.31	-11155.87	282.40	-4205.90	27.44
		Zone 33	0.1X	Low	1%	740.69	12107.78	88.79	28321.70	49.88	6725.10	21.95	-3181.85	32.05	-10341.13	132.09	-4378.79	35.60	-26.66	-1.05	-2868.10	-12.51	-3108.15	0.77	-2276.59	-12.64	-6.89	-0.03	-16.34	0.00	40623.56	26.05	-11138.61	299.65	-4205.69	27.65
			10X	Low	0%	647.36	12112.46	93.47	28316.41	44.58	6711.88	8.73	-3182.77	31.13	-10343.62	129.60	-4385.38	29.01	-26.67	-1.05	-2868.19	-12.59	-3108.91	0.01	-2276.69	-12.74	-6.89	-0.03	-16.34	0.00	40615.66	18.15	-11197.53	240.73	-4207.82	25.52
		Zone 34	0.1X	Low	1%	733.41	12108.09	89.10	28321.25	49.42	6723.97	20.83	-3181.91	31.99	-10341.29	131.92	-4379.22	35.17	-26.66	-1.05	-2868.11	-12.52	-3108.20	0.72	-2276.60	-12.65	-6.89	-0.03	-16.34	0.00	40622.83	25.31	-11143.10	295.16	-4205.80	27.54
			10X	Low	1%	718.42	12108.34	89.35	28320.71	48.89	6722.95	19.81	-3182.08	31.81	-10341.86	131.35	-4381.23	33.17	-26.67	-1.05	-2868.13	-12.54	-3108.43	0.49	-2276.62	-12.68	-6.89	-0.03	-16.34	0.00	40621.96	24.44	-11152.33	285.93	-4206.47	26.87
		Zone 35	0.1X	Low	1%	733.67	12108.05	89.06	28321.30	49.48	6724.06	20.91	-3181.92	31.97	-10341.41	131.80	-4382.41	31.98	-26.66	-1.05	-2868.10	-12.51	-3107.73	1.19	-2276.57	-12.62	-6.89	-0.03	-16.33	0.00	40622.92	25.40	-11141.38	296.88	-4204.56	28.78
			10X	Low	1%	723.81	12108.77	89.78	28320.15	48.32	6722.12	18.98	-3182.01	31.89	-10340.73	132.48	-4349.77	64.62	-26.68	-1.06	-2868.23	-12.63	-3113.06	-4.14	-2276.92	-12.97	-6.90	-0.04	-16.37	-0.03	40621.15	23.63	-11169.50	268.76	-4218.86	14.48
		Zone 36	0.1X	Low	1%	734.50	12108.06	89.07	28321.29	49.47	6724.02	20.88	-3181.94	31.95	-10341.49	131.72	-4382.04	32.35	-26.66	-1.05	-2868.11	-12.51	-3107.31	1.61	-2276.55	-12.60	-6.89	-0.03	-16.33	0.00	40622.89	25.37	-11141.76	296.51	-4203.98	29.36
			10X	Low	1%	724.18	12108.64	89.65	28320.31	48.49	6722.44	19.30	-3181.79	32.10	-10339.92	133.29	-4353.38	61.01	-26.68	-1.07	-2868.13	-12.54	-3117.20	-8.28	-2277.05	-13.10	-6.90	-0.04	-16.38	-0.05	40621.37	23.85	-11165.65	272.61	-4224.53	8.81
		Zone 37	0.1X	Low	1%	750.53	12107.67	88.68	28322.11	50.29	6725.06	21.92	-3181.73	32.17	-10340.89	132.32	-4380.77	33.62	-26.66	-1.04	-2868.05	-12.46	-3107.57	1.35	-2276.53	-12.59	-6.89	-0.03	-16.33	0.00	40624.07	26.55	-11130.99	307.27	-4203.09	30.25
			10X	Low	0%	559.15	12112.65	93.66	28312.05	40.23	6712.05	8.90	-3183.93	29.97	-10345.72	127.49	-4365.78	48.61	-26.71	-1.09	-2868.68	-13.09	-3114.57	-5.65	-2277.24	-13.29	-6.90	-0.04	-16.37	-0.04	40609.71	12.19	-11273.39	164.87	-4233.31	0.03
		Zone 38	0.1X	Low	1%	732.71	12108.09	89.10	28321.23	49.41	6723.93	20.79	-3181.94	31.96	-10341.40	131.81	-4380.35	34.05	-26.66	-1.05	-2868.15	-12.56	-3108.21	0.71	-2276.58	-12.63	-6.89	-0.03	-16.33	0.00	40622.80	25.28	-11143.16	295.11	-4205.12	28.22
			10X	Low	1%	725.49	12108.30	89.32	28320.88	49.06	6723.36	20.22	-3181.86	32.03	-10340.77	132.45	-4370.03	44.36	-26.66	-1.05	-2867.73	-12.13	-3108.26	0.66	-2276.76	-12.81	-6.90	-0.04	-16.36	-0.03	40622.25	24.73	-11151.77	286.50	-4213.22	20.13
		Zone 39	0.1X	Low	1%	739.07	12108.08	89.09	28321.27	49.45	6723.98	20.84	-3181.76	32.14	-10341.01	132.21	-4379.22	35.17	-26.66	-1.05	-2868.09	-12.50	-3108.12	0.80	-2276.58	-12.64	-6.89	-0.03	-16.34	0.00	40622.88	25.37	-11141.30	296.96	-4202.51	30.83
			10X	Low	1%	675.93	12108.40	89.42	28320.42	48.60	6722.83	19.69	-3183.57	30.33	-10344.71	128.51	-4381.19	33.20	-26.67	-1.06	-2868.26	-12.67	-3109.18	-0.26	-2276.74	-12.79	-6.90	-0.03	-16.34	-0.01	40621.46	23.94	-11170.26	268.00	-4240.78	-7.44
Specific Yield	Model Layer 1 (S.Y. = 0.15)	Zone 31	0.5X	Low	0%	302.96	12114.19	95.21	28302.02	30.20	6706.43	3.29	-3192.13	21.77	-10369.19	104.02	-4403.88	10.51	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40591.11	-6.41	-11437.14	1.13	-4233.36	-0.02
			2X	Low	0%	310.77	12116.44	97.45	28303.03	31.21	6706.76	3.62	-3192.13	21.77	-10369.19	104.03	-4403.92	10.47	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40607.26	9.74	-11440.31	-2.04	-4233.31	0.03
		Zone 32	0.5X	Low	0%	297.41	12113.24	94.25	28293.16	21.34	6705.44	2.30	-3192.09	21.81	-10369.10	104.11	-4403.59	10.80	-26.70	-1.09	-2868.68	-13.08	-3111.88	-2.96	-2277.11	-13.17	-6.90	-0.04	-16.36	-0.02	40606.38	8.87	-11441.31	-3.05	-4233.87	-0.53
			2X	Low	0%	339.23	12121.13	102.14	28319.94	48.12	6708.82	5.68	-3192.23	21.67	-10369.40	103.81	-4404.48	9.91	-26.71	-1.09	-2868.71	-13.11	-3111.98	-3.06	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40583.42	-14.10	-11435.86	2.40	-4232.46	0.88
		Zone 33	0.5X	Low	0%	339.35	12123.14	104.15	28303.01	31.19	6707.13	3.99	-3191.97	21.93	-10368.87	104.34	-4403.46	10.93	-26.70	-1.09	-2868.66	-13.07	-3111.86	-2.93	-2277.10	-13.15	-6.90	-0.04	-16.36	-0.02	40613.28	15.76	-11422.43	15.83	-4234.27	-0.93
			2X	Low	0%	336.97	12097.95	78.96	28301.41	29.59	6705.43	2.29	-3192.51	21.38	-10369.99	103.22	-4404.70	9.69	-26.71	-1.09	-2868.73	-13.14	-3112.03	-3.11	-2277.16	-13.22	-6.90	-0.04	-16.36	-0.02	40566.06	-31.46	-11466.66	-28.40	-4231.98	1.36
		Zone 34	0.5X	Low	0%	316.66	12114.93	95.94	28302.39	30.56	6706.51	3.36	-3192.43	21.47	-10369.92	103.29	-4404.00	10.40	-26.70	-1.09	-2868.68	-13.08	-3111.94	-3.02	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40597.30	-0.21	-11419.24	19.03	-4235.33	-1.99
			2X	Low	0%	341.57	12115.05	96.06	28302.31	30.49	6706.61	3.46	-3191.68	22.22	-10367.94	105.27	-4403.74	10.65	-26.70	-1.09	-2868.70	-13.10	-3111.88	-2.96	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40597.83	0.31	-11477.86	-39.60	-4230.23	3.11
		Zone 35	0.5X	Low	0%	301.20	12114.91	95.92	28302.53	30.71	6706.72	3.57	-3193.13	20.77	-10374.88	98.33	-4404.35	10.04	-26.68	-1.07	-2868.33	-12.74	-3111.76	-2.84	-2276.83	-12.88	-6.90	-0.04	-16.36	-0.02	40597.66	0.14	-11431.52	6.74	-4227.94	5.40
			2X	Low	0%	335.24	12115.06	96.07	28302.16	30.34	6706.26	3.11	-3190.43	23.47	-10358.94	114.27	-4403.06	11.33	-26.75	-1.13	-2869.32	-13.73	-3112.20	-3.28	-2277.66	-13.71	-6.90	-0.04	-16.36	-0.02	40597.24	-0.27	-11451.18	-12.92	-4244.88	-11.54
		Zone 36	0.5X	Low	0%	299.59	12114.94	95.96	28302.46	30.64	6706.64	3.49	-3192.62	21.28	-10371.32	101.90	-4404.69	9.70	-26.30	-0.69	-2866.63	-11.04	-3111.89	-2.97	-2275.70	-11.75	-6.89	-0.03	-16.36	-0.02	40597.61	0.09	-11435.72	2.55	-4225.85	7.49
			2X	Low	0%	331.84	12114.99	96.00	28302.32	30.49	6706.44	3.30	-3191.45	22.44	-10366.23	106.98	-4402.72	11.68	-27.19	-1.58	-2871.76	-16.16	-3111.96	-3.04	-2279.00	-15.05	-6.91	-0.04	-16.36	-0.02	40597.39	-0.13	-11441.86	-3.60	-4254.66	-21.31
		Zone 37	0.5X	Low	0%	316.26	12114.58	95.59	28303.95	32.13	6707.04	3.90	-3192.76	21.14	-10368.13	105.09	-4403.18	11.21	-26.70	-1.08	-2868.64	-13.05	-3111.79	-2.87	-2277.09	-13.14	-6.90	-0.04	-16.36	-0.02	40598.31	0.79	-11422.20	16.06	-4233.49	-0.15
			2X	Low	0%	324.02	12115.59	96.60	28299.52	27.70	6705.71	2.57	-3191.47	22.42	-10371.16	102.06	-4404.73	9.66	-26.71	-1.09	-2868.73	-13.14	-3112.07	-3.15	-2277.16	-13.21	-6.90	-0.04	-16.36	-0.02	40595.99	-1.53	-11468.67	-30.41	-4233.77	-0.43
		Zone 39	0.5X	Low	0%	299.33	12114.95	95.96	28302.44	30.62	6706.60	3.46	-3191.97	21.92	-10368.82	104.39	-4403.68	10.71	-26.70	-1.09	-2868.68	-13.09	-3111.88	-2.96	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.58	0.06	-11436.79	1.47	-4232.98	0.36
			2X	Low	0%	298.90	12114.99	96.00	28302.32	30.50	6706.45	3.31	-3192.44	21.46	-10369.93	103.28	-4404.34	10.05	-26.70	-1.09	-2868.70	-13.11	-3111.99	-3.07	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40597.38	-0.14	-11441.19	-2.93	-4234.07	-0.72
	Model Layer 2 (S.Y. = 0.15)	Zone 31	0.5X	Low	0%	297.14	12114.92	95.94	28302.36	30.54	6706.54	3.40	-3192.13	21.76	-10369.20	104.01	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40596.95	-0.57	-11438.26	0.01	-4233.35	-0.01
			2X	Low	0%	299.03	12115.24	96.25	28302.51	30.69	6706.59	3.44	-3192.13	21.76	-10369.20	104.02	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40599.03	1.51	-11438.70	-0.44	-4233.34	0.00
		Zone 32	0.5X	Low	0%	299.74	12115.61	96.63	28302.37	30.55	6706.55	3.41	-3192.14	21.76	-10369.22	104.00	-4403.90	10.49	-26.70	-1.09	-2868.68	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40599.16	1.64	-11439.08	-0.81	-4233.40	-0.06
			2X	Low	0%	300.31	12113.62	94.64	28302.37	30.55	6706.54	3.40	-3192.12	21.78	-10369.16	104.05	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40594.17	-3.35	-11436.75	1.51	-4233.22	0.12
		Zone 33	0.5X	Low	0%	315.91	12112.67	93.68	28314.28	42.46	6707.20	4.05	-3191.86	22.04	-10368.49	104.73	-4403.10	11.29	-26.70	-1.09	-2868.67	-13.08	-3111.81	-2.89	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40602.84	5.32	-11439.69	-1.43	-4232.71	0.63
			2X	Low	0%	299.44	12117.57	98.58	28289.25	17.42	6705.77	2.63	-3192.48	21.42	-10370.08	103.13	-4404.83	9.56	-26.71	-1.09	-2868.70	-13.11	-3112.04	-3.12	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40591.16	-6.36	-11447.19	-8.93	-4234.17	-0.83
		Zone 34	0.5X	Low	0%	303.02	12114.93	95.94	28302.47	30.65	6706.64	3.50	-3191.59	22.31	-10368.08	105.14	-4403.72	10.67	-26.70	-1.09	-2868.67	-13.08	-3111.88	-2.96	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40597.57	0.06	-11434.09	4.18	-4233.10	0.24
			2X	Low	0%	300.84	12115.01	96.02	28302.24	30.42	6706.43	3.28	-3192.96	20.94	-10370.80	102.41	-4404.11	10.28	-26.71	-1.09	-2868.71	-13.12	-3111.96	-3.04	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.39	-0.13	-11444.64	-6.38	-4233.81	-0.47
		Zone 35	0.5X	Low	0%	296.63	12114.97	95.98	28302.38	30.56	6706.55	3.41	-3192.19	21.71	-10369.44	103.78	-4403.91	10.48	-26.70	-1.09	-2868.67	-13.08	-3111.91	-2.99	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40597.51	0.00	-11438.10	0.16	-4233.16	0.18
			2X	Low	0%	298.26	12114.97	95.98	28302.37	30.55	6706.54	3.39	-3192.02	21.88	-10368.70	104.52	-4403.86	10.53	-26.71	-1.09	-2868.71	-13.12	-3111.93	-3.01	-2277.15	-13.20	-6.90	-0.04	-16.36	-0.02	40597.49	-0.02	-11438.76	-0.49	-4233.76	-0.41
		Zone 36	0.5X	Low	0%	297.03	12114.97	95.98	28302.38	30.56	6706.55	3.41	-3192.15	21.75	-10369.27	103.94	-4403.92	10.47	-26.70	-1.08	-2868.64	-13.05	-3111.91	-2.99	-2277.09	-13.14	-6.90	-0.04	-16.36	-0.02	40597.51	-0.01	-11438.23	0.03	-4232.77	0.57
			2X	Low	0%	298.38	12114.97	95.98	28302.37	30.55	6706.54	3.40	-3192.10	21.80	-10369.06	104.16	-4403.84	10.55	-26.71	-1.10	-2868.78	-13.18	-3111.93	-3.01	-2277.20	-13.25	-6.90	-0.04	-16.36	-0.02	40597.50	-0.02	-11438.48	-0.22	-4234.47	-1.13
		Zone 37	0.5X	Low	0%	326.78	12113.72	94.73	28306.42	34.60	6706.61	3.47	-3191.67	22.23	-10367.32	105.89	-4403.41	10.98	-26.70	-1.09	-2868.64	-13.04	-3111.81	-2.89	-2277.08	-13.13	-6.90	-0.04	-16.36	-0.02	40598.19	0.67	-11414.69	23.57	-4232.91	0.43
			2X	Low	0%	332.21	12117.26	98.27	28294.93	23.11	6706.18	3.04	-3193.38	20.51	-10373.03	100.18	-4404.82	9.57	-26.71	-1.10	-2868.77	-13.18	-3112.11	-3.19	-2277.20	-13.26	-6.90	-0.04	-16.36	-0.02	40596.11	-1.40	-11482.48	-44.22	-4234.46	-1.12
		Zone 39	0.5X	Low	0%	296.81	12114.97	95.98	28302.38	30.56	6706.55	3.41	-3192.12	21.78	-10369.16	104.05	-4403.87	10.52	-26.70	-1.09	-2868.69	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.18	0.08	-4233.31	0.03
			2X	Low	0%	296.90	12114.97	95.98	28302.37	30.55	6706.54	3.40	-3192.16	21.74	-10369.26	103.95	-4403.94	10.45	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.49	-0.03	-11438.59	-0.32	-4233.41	-0.07
	Model Layer 3 (S.Y. = 0.15)	Zone 26	0.5X	Low	0%	360.10	12112.79	93.80	28311.88	40.06	6708.13	4.99	-3191.49	22.41	-10367.66	105.55	-4402.46	11.93	-26.70	-1.09	-2868.64	-13.04	-3111.73	-2.81	-2277.08	-13.13	-6.90	-0.04	-16.36	-0.02	40600.92	3.40	-11391.06	47.20	-4233.98	-0.64
			2X	Low	0%	374.11	12118.75	99.76	28286.88	15.06	6704.02	0.88	-3193.15	20.74	-10371.58	101.63	-4406.18	8.21	-26.71	-1.10	-2868.77	-13.17	-3112.22	-3.30	-2277.20	-13.26	-6.90	-0.04	-16.36	-0.02	40592.34	-5.18	-11528.90	-90.64	-4232.21	1.13
		Zone 31	0.5X	Low	0%	632.36	11997.66	-21.33	28229.14	-42.68	6688.23	-14.91	-3191.65	22.24	-10367.99	105.23	-4401.01	13.38	-26.70	-1.08	-2868.62	-13.03	-3111.53	-2.61	-2277.06	-13.11	-6.90	-0.04	-16.36	-0.02	40382.30	-215.22	-11271.28	166.99	-4233.84	-0.50
			2X	Low	1%	1206.05	12304.50	285.51	28418.47	146.65	6735.48	32.34	-3192.93	20.97	-10371.22	101.99	-4408.50	5.90	-26.71	-1.10	-2868.78	-13.18	-3112.52	-3.60	-2277.23	-13.28	-6.90	-0.04	-16.36	-0.02	40922.40	324.88	-11694.03	-255.77	-4232.52	0.82
		Zone 32	0.5X	Low	1%	1572.34	11776.70	-242.29	28027.46	-244.36	6648.83	-54.31	-3189.86	24.03	-10363.41	109.80	-4392.33	22.06	-26.68	-1.07	-2868.46	-12.86	-3110.51	-1.59	-2276.87	-12.92	-6.90	-0.04	-16.35	-0.01	40146.46	-451.06	-11044.49	393.78	-4235.49	-2.15
			2X	Low	2%	2315.19	12579.89	560.91	28664.67	392.85	6779.83	76.68	-3195.46	18.44	-10377.82	95.40	-4418.93	-4.54	-26.73	-1.11	-2868.93	-13.34	-3113.67	-4.75	-2277.41	-13.46	-6.90	-0.04	-16.37	-0.03	41236.71	639.19	-11930.57	-492.31	-4235.47	-2.13
		Zone 33	0.5X	Low	0%	538.51	12112.69	93.70	28344.87	73.05	6711.17	8.02	-3190.43	23.46	-10365.19	108.02	-4398.65	15.74	-26.69	-1.08	-2868.52	-12.93	-3111.26	-2.34	-2276.96	-13.01	-6.90	-0.04	-16.36	-0.02	40610.68	13.16	-11267.37	170.90	-4236.38	-3.04
			2X	Low	0%	614.34	12121.21	102.23	28238.81	-33.01	6700.35	-2.79	-3194.56	19.34	-10374.93	98.28	-4411.44	2.95	-26.72	-1.11	-2868.90	-13.31	-3112.86	-3.94	-2277.34	-13.39	-6.90	-0.04	-16.37	-0.03	40583.20	-14.32	-11745.20	-306.93	-4230.66	2.68
		Zone 34	0.5X	Low	0%	305.07	12114.94	95.95	28302.41	30.58	6706.59	3.45	-3192.20	21.70	-10369.16	104.06	-4403.77	10.62	-26.70	-1.09	-2868.68	-13.08	-3111.90	-2.98	-2277.11	-13.17	-6.90	-0.04	-16.36	-0.02	40597.46	-0.06	-11430.51	7.75	-4233.86	-0.52
			2X	Low	0%	312.18	12115.05	96.06	28302.30	30.48	6706.45	3.30	-3192.11	21.78	-10369.43	103.79	-4404.15	10.24	-26.71	-1.09	-2868.71	-13.11	-3111.96	-3.03	-2277.14	-13.20	-6.90	-0.04	-16.36	-0.02	40597.56	0.04	-11453.46	-15.20	-4232.55	0.80
		Zone 35	0.5X	Low	0%	310.99	12114.19	95.20	28304.17	32.35	6708.75	5.60	-3215.43	-1.54	-10454.80	18.41	-4408.29	6.10	-26.38	-0.77	-2864.45	-8.86	-3109.99	-1.07	-2273.06	-9.11	-6.88	-0.02	-16.35	-0.01	40599.33	1.82	-11339.94	98.32	-4201.52	31.82
			2X	Low	0%	647.03	12115.96	96.97	28300.18	28.35	6703.82	0.67	-3163.17	50.72	-10269.03	204.19	-4399.43	14.96	-27.05	-1.43	-2873.40	-17.80	-3114.14	-5.22	-2281.34	-17.39	-6.91	-0.05	-16.38	-0.04	40595.22	-2.30	-11562.16	-123.90	-4316.37	-83.03
		Zone 36	0.5X	Low	0%	312.06	12114.95	95.96	28302.44	30.62	6706.61	3.47	-3192.57	21.33	-10371.16	102.05	-4404.28	10.11	-26.61	-1.00	-2867.84	-12.24	-3111.94	-3.02	-2275.89	-11.94	-6.90	-0.03	-16.36	-0.02	40597.56	0.04	-11436.34	1.92	-4215.03	18.31
			2X	Low	0%	347.46	12115.00	96.01	28302.31	30.49	6706.43	3.29	-3191.32	22.58	-10365.55	107.67	-4402.80	11.59	-26.84	-1.23	-2870.25	-14.65	-3112.00	-3.08	-2279.30	-15.35	-6.90	-0.04	-16.36	-0.02	40597.40	-0.11	-11442.20	-3.93	-4270.76	-37.42
		Zone 37	0.5X	Low	0%	315.97	12114.32	95.34	28305.83	34.01	6707.66	4.51	-3192.25	21.65	-10370.02	103.20	-4403.46	10.93	-26.70	-1.09	-2868.64	-13.05	-3111.82	-2.89	-2277.09	-13.14	-6.90	-0.04	-16.36	-0.02	40600.38	2.86	-11425.80	12.46	-4232.55	0.79
			2X	Low	0%	324.04	12116.09	97.10	28296.79	24.97	6704.81	1.67	-3191.83	22.07	-10367.40	105.81	-4404.54	9.85	-26.71	-1.09	-2868.76	-13.17	-3112.08	-3.16	-2277.19	-13.24	-6.90	-0.04	-16.36	-0.02	40593.16	-4.36	-11464.18	-25.92	-4234.91	-1.57
		Zone 38	0.5X	Low	0%	300.65	12114.96	95.97	28302.41	30.59	6706.57	3.42	-3192.19	21.71	-10369.45	103.76	-4404.07	10.32	-28.69	-3.07	-2868.30	-12.71	-3111.97	-3.05	-2276.61	-12.66	-6.89	-0.03	-16.36	-0.02	40597.53	0.01	-11437.90	0.36	-4230.40	2.94
			2X	Low	0%	304.30	12114.97	95.98	28302.39	30.56	6706.53	3.39	-3192.06	21.84	-10368.87	104.34	-4403.63	10.76	-24.68	0.93	-2868.84	-13.25	-3111.84	-2.92	-2277.82	-13.87	-6.90	-0.04	-16.36	-0.02	40597.48	-0.04	-11438.79	-0.53	-4239.17	-5.83
		Zone 39	0.5X	Low	0%	301.90	12114.93	95.95	28302.49	30.67	6706.67	3.53	-3192.38	21.52	-10370.69	102.53	-4405.46	8.93	-26.70	-1.09	-2868.65	-13.06	-3111.74	-2.82	-2277.10	-13.15	-6.90	-0.04	-16.36	-0.02	40597.67	0.16	-11435.26	3.00	-4227.89	5.45
			2X	Low	0%	320.35	12115.01	96.02	28302.23	30.41	6706.32	3.18	-3191.68	22.22	-10366.41	106.81	-4400.76	13.63	-26.71	-1.09	-2868.74	-13.15	-3112.26	-3.34	-2277.17	-13.22	-6.90	-0.04	-16.36	-0.02	40597.21	-0.31	-11444.08	-5.81	-4244.43	-11.09
	Model Layer 4 (S.Y. = 0.05)	Zone 26	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
			2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
		Zone 31	0.5X	Low	0%	296.86	12114.70	95.72	28302.21	30.39	6706.51	3.37	-3192.13	21.77	-10369.19	104.03	-4403.89	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.21	-0.31	-11437.90	0.36	-4233.34	0.00
			2X	Low	0%	299.34	12115.55	96.56	28302.82	31.00	6706.65	3.51	-3192.13	21.76	-10369.20	104.01	-4403.91	10.48	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40598.32	0.81	-11439.05	-0.79	-4233.34	0.00
		Zone 32	0.5X	Low	0%	296.62	12114.05	95.06	28301.59	29.77	6706.39	3.24	-3192.12	21.77	-10369.17	104.05	-4403.86	10.53	-26.70	-1.09	-2868.69	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40596.68	-0.84	-11437.32	0.94	-4233.33	0.01
			2X	Low	0%	303.88	12116.79	97.80	28304.01	32.19	6706.88	3.74	-3192.15	21.75	-10369.23	103.98	-4403.96	10.43	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40599.20	1.68	-11440.12	-1.86	-4233.36	-0.02
		Zone 33	0.5X	Low	0%	296.95	12115.00	96.01	28302.56	30.74	6706.56	3.41	-3192.13	21.77	-10369.18	104.03	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.49	-0.03	-11438.22	0.04	-4233.34	0.00
			2X	Low	0%	296.41	12114.91	95.92	28302.09	30.27	6706.55	3.40	-3192.14	21.76	-10369.21	104.01	-4403.91	10.48	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.57	0.05	-11438.36	-0.09	-4233.35	-0.01
		Zone 34	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
			2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
		Zone 35	0.5X	Low	0%	300.24	12114.94	95.95	28302.45	30.63	6706.62	3.48	-3192.72	21.17	-10371.76	101.46	-4404.23	10.16	-26.68	-1.07	-2868.37	-12.78	-3111.84	-2.92	-2276.84	-12.89	-6.90	-0.04	-16.36	-0.02	40597.57	0.06	-11435.73	2.53	-4228.24	5.10
			2X	Low	0%	319.90	12115.01	96.02	28302.30	30.48	6706.43	3.28	-3191.00	22.90	-10364.24	108.98	-4403.20	11.19	-26.75	-1.13	-2869.30	-13.71	-3112.07	-3.15	-2277.67	-13.72	-6.90	-0.04	-16.36	-0.02	40597.40	-0.12	-11443.18	-4.92	-4243.59	-10.24
		Zone 36	0.5X	Low	0%	309.00	12114.93	95.94	28302.47	30.65	6706.65	3.51	-3192.79	21.11	-10372.04	101.18	-4404.74	9.65	-26.62	-1.00	-2867.51	-11.92	-3111.78	-2.86	-2276.20	-12.26	-6.89	-0.03	-16.36	-0.02	40597.62	0.10	-11434.97	3.29	-4217.86	15.49
			2X	Low	0%	345.42	12115.02	96.03	28302.27	30.45	6706.38	3.23	-3191.01	22.89	-10364.30	108.92	-4402.31	12.08	-26.85	-1.24	-2870.85	-15.26	-3112.18	-3.26	-2278.76	-14.82	-6.90	-0.04	-16.36	-0.02	40597.35	-0.17	-11443.98	-5.72	-4264.63	-31.29
		Zone 37	0.5X	Low	0%	297.29	12114.96	95.97	28302.42	30.60	6706.56	3.42	-3192.14	21.76	-10369.19	104.02	-4403.89	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.51	0.00	-11437.66	0.60	-4233.35	-0.01
			2X	Low	0%	297.82	12114.98	95.99	28302.36	30.53	6706.54	3.40	-3192.12	21.78	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.50	-0.02	-11439.39	-1.13	-4233.32	0.02
		Zone 38	0.5X	Low	0%	297.59	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.16	21.74	-10369.30	103.92	-4403.95	10.44	-25.23	0.38	-2869.47	-13.87	-3111.93	-3.01	-2277.03	-13.08	-6.90	-0.04	-16.36	-0.02	40597.52	0.01	-11438.12	0.15	-4232.37	0.97
			2X	Low	0%	300.65	12114.97	95.98	28302.39	30.57	6706.54	3.40	-3192.09	21.81	-10369.01	104.20	-4403.78	10.61	-28.54	-2.92	-2868.19	-12.60	-3111.89	-2.97	-2277.29	-13.35	-6.90	-0.04	-16.36	-0.02	40597.50	-0.02	-11438.52	-0.25	-4235.25	-1.91
		Zone 39	0.5X	Low	0%	297.03	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.13	21.76	-10369.22	103.99	-4403.94	10.45	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.53	0.01	-11438.13	0.14	-4233.03	0.31
			2X	Low	0%	297.75	12114.97	95.98	28302.39	30.57	6706.54	3.40	-3192.13	21.77	-10369.13	104.09	-4403.80	10.59	-26.70	-1.09	-2868.69	-13.09	-3111.93	-3.01	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.50	-0.02	-11438.54	-0.28	-4233.96	-0.62
	Model Layer 5 (S.Y. = 0.15)	Zone 26	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
			2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
		Zone 31	0.5X	Low	0%	308.87	12099.08	80.09	28290.62	18.80	6703.80	0.66	-3192.04	21.86	-10368.95	104.26	-4403.41	10.98	-26.70	-1.09	-2868.68	-13.08	-3111.86	-2.94	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40574.95	-22.57	-11418.97	19.30	-4233.32	0.02
			2X	Low	0%	428.63	12144.52	125.53	28324.35	52.53	6711.61	8.47	-3192.31	21.59	-10369.66	103.55	-4404.77	9.63	-26.71	-1.09	-2868.70	-13.11	-3112.02	-3.10	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40638.77	41.25	-11473.73	-35.47	-4233.40	-0.06
		Zone 32	0.5X	Low	0%	384.49	12041.95	22.96	28232.13	-39.69	6692.17	-10.98	-3191.45	22.44	-10367.35	105.87	-4401.07	13.32	-26.70	-1.09	-2868.65	-13.06	-3111.60	-2.68	-2277.08	-13.14	-6.90	-0.04	-16.36	-0.02	40529.02	-68.50	-11368.50	69.77	-4232.40	0.94
			2X	Low	1%	750.76	12228.49	209.50	28403.81	131.99	6726.75	23.60	-3193.12	20.78	-10371.86	101.35	-4408.05	6.34	-26.71	-1.09	-2868.74	-13.14	-3112.39	-3.47	-2277.19	-13.24	-6.90	-0.04	-16.36	-0.02	40710.42	112.91	-11550.20	-111.94	-4234.68	-1.34
		Zone 33	0.5X	Low	0%	328.75	12114.80	95.81	28308.12	36.30	6706.98	3.84	-3192.01	21.89	-10368.88	104.33	-4403.29	11.10	-26.70	-1.09	-2868.66	-13.07	-3111.84	-2.92	-2277.10	-13.15	-6.90	-0.04	-16.36	-0.02	40598.60	1.09	-11414.91	23.35	-4234.09	-0.75
			2X	Low	0%	331.84	12115.73	96.75	28291.63	19.81	6705.82	2.68	-3192.43	21.47	-10369.93	103.29	-4405.03	9.36	-26.71	-1.09	-2868.73	-13.13	-3112.06	-3.14	-2277.16	-13.22	-6.90	-0.04	-16.36	-0.02	40595.96	-1.56	-11483.45	-45.18	-4232.22	1.12
		Zone 34	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
			2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
		Zone 35	0.5X	Low	0%	298.05	12114.93	95.94	28302.47	30.65	6706.64	3.50	-3193.32	20.57	-10373.22	99.99	-4404.12	10.27	-26.69	-1.07	-2868.46	-12.87	-3111.83	-2.91	-2276.91	-12.96	-6.90	-0.04	-16.36	-0.02	40597.58	0.07	-11434.25	4.02	-4230.18	3.16
			2X	Low	0%	321.73	12115.03	96.04	28302.26	30.44	6706.38	3.23	-3190.05	23.85	-10361.48	111.74	-4403.38	11.01	-26.74	-1.12	-2869.13	-13.54	-3112.08	-3.16	-2277.54	-13.59	-6.90	-0.04	-16.36	-0.02	40597.36	-0.16	-11445.96	-7.69	-4239.44	-6.10
		Zone 36	0.5X	Low	0%	300.54	12114.95	95.97	28302.42	30.60	6706.59	3.44	-3192.28	21.62	-10369.84	103.37	-4404.30	10.09	-26.67	-1.06	-2868.25	-12.66	-3111.82	-2.90	-2276.83	-12.88	-6.90	-0.04	-16.36	-0.02	40597.55	0.03	-11437.34	0.92	-4228.38	4.96
			2X	Low	0%	311.87	12114.98	96.00	28302.36	30.53	6706.49	3.35	-3191.86	22.04	-10367.98	105.23	-4403.22	11.17	-26.76	-1.15	-2869.51	-13.91	-3112.06	-3.14	-2277.68	-13.73	-6.90	-0.04	-16.36	-0.02	40597.44	-0.08	-11439.96	-1.70	-4243.13	-9.78
		Zone 37	0.5X	Low	0%	334.87	12113.28	94.30	28307.99	36.17	6708.42	5.27	-3191.91	21.99	-10368.59	104.62	-4402.91	11.49	-26.70	-1.09	-2868.67	-13.07	-3111.79	-2.87	-2277.10	-13.16	-6.90	-0.04	-16.36	-0.02	40600.69	3.17	-11410.92	27.35	-4233.07	0.28
			2X	Low	0%	343.04	12117.80	98.81	28292.80	20.97	6703.42	0.28	-3192.50	21.40	-10370.21	103.00	-4405.54	8.85	-26.71	-1.09	-2868.72	-13.12	-3112.13	-3.21	-2277.16	-13.21	-6.90	-0.04	-16.36	-0.02	40592.13	-5.38	-11491.43	-53.17	-4233.82	-0.48
		Zone 38	0.5X	Low	0%	293.75	12114.96	95.97	28302.42	30.60	6706.58	3.44	-3192.20	21.69	-10369.52	103.70	-4404.34	10.05	-26.60	-0.98	-2863.77	-8.18	-3112.60	-3.68	-2276.89	-12.95	-6.90	-0.04	-16.36	-0.02	40597.55	0.03	-11437.63	0.64	-4231.55	1.79
			2X	Low	0%	309.31	12114.97	95.98	28302.37	30.55	6706.51	3.37	-3192.02	21.88	-10368.68	104.53	-4403.30	11.09	-26.78	-1.16	-2873.95	-18.36	-3111.21	-2.29	-2277.49	-13.55	-6.90	-0.04	-16.36	-0.02	40597.46	-0.05	-11439.20	-0.94	-4238.84	-5.50
		Zone 39	0.5X	Low	0%	298.02	12114.96	95.97	28302.41	30.59	6706.57	3.43	-3192.14	21.76	-10369.27	103.94	-4404.04	10.35	-26.70	-1.09	-2868.68	-13.09	-3111.89	-2.97	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.54	0.02	-11437.86	0.40	-4232.16	1.19
			2X	Low	0%	300.38	12114.97	95.98	28302.38	30.55	6706.52	3.38	-3192.12	21.78	-10369.02	104.20	-4403.58	10.81	-26.70	-1.09	-2868.69	-13.10	-3111.96	-3.04	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.47	-0.05	-11439.08	-0.82	-4235.68	-2.34
		Zone 31	0.5X	Low	0%	298.53	12113.50	94.52	28301.41	29.59	6706.32	3.17	-3192.13	21.77	-10369.18	104.04	-4403.86	10.54	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40595.09	-2.43	-11436.20	2.07	-4233.35	-0.01
			2X	Low	0%	310.69	12117.84	98.85	28304.31	32.49	6707.01	3.87	-3192.14	21.75	-10369.22	103.99	-4403.96	10.43	-26.70	-1.09	-2868.69	-13.09	-3111.93	-3.01	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40602.36	4.84	-11442.28	-4.02	-4233.32	0.02
		Zone 32	0.5X	Low	0%	296.29	12114.22	95.23	28301.60	29.78	6706.39	3.25	-3192.12	21.77	-10369.17	104.04	-4403.86	10.53	-26.70	-1.09	-2868.69	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40596.93	-0.59	-11437.60	0.67	-4233.33	0.02
			2X	Low	0%	302.37	12116.41	97.42	28303.95	32.13	6706.87	3.72	-3192.15	21.75	-10369.23	103.98	-4403.95	10.44	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40598.69	1.17	-11439.57	-1.31	-4233.37	-0.03
		Zone 33	0.5X	Low	0%	296.78	12114.95	95.96	28302.48	30.66	6706.56	3.42	-3192.13	21.77	-10369.18	104.03	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.24	0.02	-4233.34	0.00
			2X	Low	0%	296.54	12115.00	96.01	28302.24	30.42	6706.54	3.39	-3192.14	21.76	-10369.21	104.01	-4403.91	10.48	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.31	-0.05	-4233.35	-0.01
		Zone 34	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00

Table 5-2. Sensitivity Analysis -- Inter-basin Flows and Stream Percolation

units: Acre-feet per year

Parameters		Multiplier	Sensitivity	diff (%)	Sum of absolute fluxes Default = 129641.846	Piru to Fillmore in System Default = 12018.990		Piru to Fillmore in System Default = 28271.821		Piru to Fillmore in System Default = 6703.143		Fillmore to Santa Paula in Default = -3213.897		Fillmore to Santa Paula in Default = -10473.213		Fillmore to Santa Paula Default = -4414.391		Santa Paula to Default = -25.615		Santa Paula to Mound ib Default = -2855.593		Santa Paula to Mound ib Default = -3108.92		Santa Paula to Oxnard in Default = -2263.948		Santa Paula to Default = -6.86		Santa Paula to Default = -16.337		STR Percolation in Piru Default = 40597.518		STR Percolation in Fillmore Default = -11438.262		STR Percolation in Santa Default = -4233.34	
					Sum of absolute diff	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.	flux	diff.
Model Layer 6 (S.Y. = 0.05)	Zone 34	2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
	Zone 35	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
		2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
	Zone 36	0.5X	Low	0%	296.70	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.14	21.76	-10369.21	104.00	-4403.93	10.46	-26.70	-1.09	-2868.67	-13.08	-3111.90	-2.98	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.24	0.03	-4233.23	0.11
		2X	Low	0%	297.09	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.16	104.06	-4403.83	10.56	-26.71	-1.09	-2868.71	-13.12	-3111.94	-3.02	-2277.15	-13.21	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.31	-0.05	-4233.54	-0.20
	Zone 37	0.5X	Low	0%	305.25	12114.73	95.74	28303.23	31.41	6706.82	3.68	-3192.35	21.55	-10370.38	102.83	-4404.01	10.38	-26.70	-1.09	-2868.65	-13.05	-3111.83	-2.91	-2277.09	-13.15	-6.90	-0.04	-16.36	-0.02	40597.91	0.40	-11430.46	7.80	-4232.12	1.22
		2X	Low	0%	316.45	12115.41	96.42	28300.85	29.03	6706.05	2.91	-3191.75	22.15	-10366.84	106.38	-4403.56	10.83	-26.71	-1.09	-2868.76	-13.17	-3112.08	-3.15	-2277.18	-13.23	-6.90	-0.04	-16.36	-0.02	40596.76	-0.75	-11453.08	-14.82	-4235.80	-2.46
	Zone 38	0.5X	Low	0%	297.82	12114.96	95.98	28302.40	30.58	6706.56	3.41	-3192.13	21.77	-10369.17	104.04	-4403.94	10.45	-26.70	-1.08	-2869.19	-13.60	-3112.08	-3.16	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.84	-0.49
		2X	Low	0%	296.08	12114.97	95.98	28302.40	30.58	6706.55	3.41	-3192.15	21.75	-10369.25	103.97	-4403.82	10.57	-26.71	-1.09	-2867.33	-11.73	-3111.58	-2.66	-2277.09	-13.14	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.25	0.01	-4232.20	1.14
	Zone 39	0.5X	Low	0%	297.84	12114.96	95.97	28302.42	30.60	6706.59	3.44	-3192.19	21.71	-10369.54	103.67	-4404.37	10.02	-26.70	-1.09	-2868.68	-13.09	-3111.86	-2.94	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40597.56	0.04	-11437.45	0.81	-4232.11	1.23
		2X	Low	0%	302.61	12114.98	95.99	28302.35	30.53	6706.48	3.34	-3192.02	21.88	-10368.52	104.70	-4402.92	11.48	-26.71	-1.09	-2868.70	-13.11	-3112.02	-3.10	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40597.42	-0.09	-11439.89	-1.63	-4235.77	-2.43
Model Layer 7 (S.Y. = 0.1)	Zone 31	0.5X	Low	0%	337.03	12080.42	61.43	28277.75	5.92	6700.67	-2.48	-3191.95	21.95	-10368.72	104.49	-4402.91	11.48	-26.70	-1.09	-2868.67	-13.07	-3111.79	-2.87	-2277.10	-13.16	-6.90	-0.04	-16.36	-0.02	40541.67	-55.85	-11395.09	43.17	-4233.35	-0.01
		2X	Low	0%	588.38	12177.07	158.09	28347.76	75.94	6716.98	13.84	-3192.49	21.40	-10370.15	103.07	-4405.67	8.72	-26.71	-1.09	-2868.72	-13.12	-3112.13	-3.21	-2277.16	-13.21	-6.90	-0.04	-16.36	-0.02	40697.63	100.11	-11514.52	-76.26	-4233.60	-0.26
	Zone 32	0.5X	Low	0%	304.78	12088.05	69.06	28278.21	6.39	6701.46	-1.68	-3191.92	21.98	-10368.63	104.58	-4402.89	11.50	-26.70	-1.09	-2868.67	-13.08	-3111.80	-2.88	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40566.38	-31.13	-11410.12	28.14	-4233.30	0.04
		2X	Low	0%	514.43	12166.22	147.23	28347.40	75.58	6715.95	12.81	-3192.54	21.36	-10370.27	102.95	-4405.75	8.64	-26.71	-1.09	-2868.72	-13.12	-3112.13	-3.21	-2277.16	-13.21	-6.90	-0.04	-16.36	-0.02	40658.36	60.85	-11492.39	-54.13	-4233.55	-0.21
	Zone 33	0.5X	Low	0%	306.33	12114.71	95.72	28303.03	31.21	6707.33	4.19	-3192.07	21.82	-10369.04	104.17	-4403.66	10.73	-26.70	-1.09	-2868.68	-13.09	-3111.89	-2.97	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40598.09	0.57	-11430.81	7.45	-4233.25	0.09
		2X	Low	0%	309.64	12115.63	96.64	28300.63	28.81	6705.47	2.33	-3192.25	21.65	-10369.47	103.74	-4404.30	10.09	-26.70	-1.09	-2868.69	-13.10	-3111.97	-3.05	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40596.52	-1.00	-11452.98	-14.72	-4233.50	-0.16
	Zone 34	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
		2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
	Zone 35	0.5X	Low	0%	299.09	12114.94	95.95	28302.45	30.63	6706.62	3.48	-3193.25	20.65	-10371.79	101.42	-4404.15	10.24	-26.69	-1.08	-2868.48	-12.89	-3111.82	-2.90	-2276.98	-13.04	-6.90	-0.04	-16.36	-0.02	40597.57	0.06	-11435.26	3.00	-4229.64	3.70
		2X	Low	0%	318.25	12115.01	96.02	28302.30	30.47	6706.42	3.28	-3190.26	23.63	-10364.19	109.02	-4403.29	11.11	-26.73	-1.11	-2869.09	-13.50	-3112.11	-3.18	-2277.40	-13.45	-6.90	-0.04	-16.36	-0.02	40597.39	-0.13	-11444.06	-5.80	-4240.81	-7.47
	Zone 36	0.5X	Low	0%	307.99	12114.85	95.86	28302.69	30.87	6706.99	3.84	-3192.54	21.36	-10371.09	102.12	-4411.23	3.16	-26.68	-1.06	-2868.19	-12.60	-3108.64	0.28	-2276.66	-12.71	-6.90	-0.03	-16.35	-0.01	40598.01	0.49	-11430.45	7.81	-4217.55	15.79
		2X	Low	0%	365.51	12115.16	96.17	28301.91	30.09	6705.82	2.68	-3191.36	22.54	-10365.61	107.61	-4391.47	22.92	-26.76	-1.14	-2869.77	-14.18	-3117.32	-8.40	-2278.03	-14.08	-6.90	-0.04	-16.38	-0.04	40596.69	-0.83	-11451.84	-13.58	-4264.56	-31.22
	Zone 37	0.5X	Low	0%	548.27	12111.18	92.19	28311.85	40.02	6717.53	14.39	-3191.59	22.31	-10382.18	91.04	-4427.85	-13.46	-26.52	-0.90	-2865.76	-10.17	-3103.32	5.60	-2274.84	-10.89	-6.89	-0.02	-16.31	0.03	40607.66	10.15	-11286.22	152.04	-4148.29	85.06
		2X	Low	1%	792.05	12121.40	102.41	28287.80	15.98	6691.30	-11.84	-3193.86	20.04	-10349.56	123.66	-4369.40	45.00	-27.02	-1.40	-2873.60	-18.01	-3124.72	-15.80	-2280.83	-16.88	-6.92	-0.06	-16.43	-0.10	40582.48	-15.04	-11697.06	-258.79	-4380.40	-147.06
	Zone 38	0.5X	Low	0%	325.98	12114.86	95.87	28302.66	30.84	6706.95	3.80	-3192.25	21.65	-10369.85	103.36	-4410.91	3.48	-26.74	-1.13	-2879.40	-23.80	-3122.69	-13.77	-2277.26	-13.31	-6.90	-0.04	-16.35	-0.01	40597.96	0.45	-11431.89	6.37	-4225.25	8.09
		2X	Low	0%	336.43	12115.12	96.13	28302.00	30.18	6705.96	2.82	-3191.93	21.96	-10368.11	105.11	-4393.25	21.14	-26.62	-1.01	-2853.19	2.41	-3091.49	17.43	-2276.81	-12.86	-6.90	-0.04	-16.38	-0.04	40596.83	-0.69	-11448.03	-9.77	-4248.18	-14.84
	Zone 39	0.5X	Low	0%	349.18	12114.57	95.59	28303.36	31.53	6707.87	4.72	-3190.25	23.64	-10367.27	105.94	-4398.83	15.56	-26.69	-1.08	-2868.52	-12.92	-3110.65	-1.73	-2276.96	-13.01	-6.90	-0.04	-16.35	-0.01	40599.11	1.59	-11407.52	30.74	-4222.28	11.06
		2X	Low	0%	363.92	12115.66	96.67	28300.60	28.78	6704.10	0.95	-3196.25	17.64	-10376.02	97.19	-4411.39	3.00	-26.73	-1.11	-2869.02	-13.43	-3114.26	-5.34	-2277.44	-13.49	-6.90	-0.04	-16.37	-0.04	40594.51	-3.01	-11499.97	-61.70	-4254.86	-21.52
Model Layer 8 (S.Y. = 0.05)	Zone 31	0.5X	Low	0%	301.73	12115.36	96.38	28302.54	30.72	6706.56	3.42	-3192.13	21.76	-10369.19	104.02	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40593.92	-3.60	-11439.18	-0.92	-4233.34	0.00
		2X	Low	0%	303.90	12113.84	94.86	28301.90	30.08	6706.45	3.31	-3192.13	21.77	-10369.18	104.03	-4403.87	10.52	-26.70	-1.09	-2868.68	-13.09	-3111.91	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40604.33	6.81	-11436.15	2.12	-4233.35	-0.01
	Zone 32	0.5X	Low	0%	300.80	12115.57	96.58	28302.74	30.92	6706.72	3.57	-3192.13	21.76	-10369.20	104.02	-4403.91	10.48	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40595.51	-2.01	-11439.30	-1.04	-4233.34	0.00
		2X	Low	0%	298.02	12114.81	95.83	28302.33	30.51	6706.51	3.36	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40598.86	1.34	-11437.99	0.28	-4233.34	0.00
	Zone 33	0.5X	Low	0%	296.75	12114.95	95.96	28302.42	30.60	6706.58	3.44	-3192.13	21.77	-10369.18	104.03	-4403.88	10.51	-26.70	-1.09	-2868.69	-13.09	-3111.92	-2.99	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.23	0.03	-4233.34	0.00
		2X	Low	0%	296.64	12114.98	95.99	28302.38	30.56	6706.53	3.39	-3192.13	21.76	-10369.20	104.02	-4403.90	10.49	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.29	-0.02	-4233.34	0.00
	Zone 34	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
		2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
	Zone 35	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
		2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
	Zone 36	0.5X	Low	0%	298.34	12114.86	95.88	28302.59	30.77	6706.83	3.69	-3192.18	21.72	-10369.54	103.67	-4408.81	5.58	-26.70	-1.09	-2868.72	-13.13	-3109.79	-0.86	-2277.03	-13.08	-6.90	-0.04	-16.35	-0.01	40597.83	0.31	-11433.89	4.38	-4229.21	4.13
		2X	Low	0%	328.99	12115.11	96.12	28302.02	30.20	6706.00	2.85	-3192.07	21.82	-10368.66	104.55	-4393.97	20.43	-26.71	-1.10	-2868.61	-13.01	-3116.17	-7.24	-2277.28	-13.33	-6.90	-0.04	-16.38	-0.04	40596.84	-0.68	-11447.05	-8.78	-4242.13	-8.79
	Zone 37	0.5X	Low	0%	365.35	12114.08	95.09	28304.77	32.95	6709.53	6.38	-3192.22	21.68	-10370.75	102.46	-4424.96	-10.57	-26.67	-1.05	-2868.23	-12.64	-3105.92	3.00	-2276.59	-12.64	-6.89	-0.03	-16.33	0.01	40601.24	3.72	-11398.22	40.04	-4210.25	23.09
		2X	Low	0%	466.28	12116.51	97.52	28298.09	26.27	6701.09	-2.06	-3192.04	21.85	-10366.86	106.35	-4365.05	49.34	-26.78	-1.16	-2869.45	-13.86	-3122.87	-13.95	-2278.09	-14.14	-6.90	-0.04	-16.42	-0.08	40590.81	-6.71	-11510.59	-72.32	-4273.96	-40.62
	Zone 38	0.5X	Low	0%	302.52	12114.98	95.99	28302.37	30.55	6706.51	3.37	-3192.08	21.82	-10368.96	104.25	-4403.23	11.16	-26.71	-1.10	-2869.26	-13.67	-3112.72	-3.80	-2277.20	-13.25	-6.90	-0.04	-16.36	-0.02	40597.46	-0.06	-11439.07	-0.80	-4235.99	-2.65
		2X	Low	0%	298.31	12114.95	95.96	28302.45	30.62	6706.62	3.48	-3192.22	21.68	-10369.58	103.64	-4405.07	9.33	-26.68	-1.07	-2868.23	-12.64	-3110.00	-1.08	-2276.98	-13.04	-6.90	-0.04	-16.36	-0.02	40597.59	0.07	-11436.93	1.33	-4229.01	4.33
	Zone 39	0.5X	Low	0%	302.11	12114.92	95.94	28302.49	30.67	6706.68	3.53	-3191.88	22.02	-10368.73	104.48	-4403.60	10.79	-26.70	-1.09	-2868.67	-13.08	-3111.80	-2.88	-2277.11	-13.16	-6.90	-0.04	-16.36	-0.02	40597.67	0.15	-11435.17	3.09	-4232.16	1.18
		2X	Low	0%	303.32	12115.04	96.06	28302.22	30.40	6706.31	3.17	-3192.63	21.27	-10370.13	103.08	-4404.51	9.88	-26.71	-1.09	-2868.72	-13.13	-3112.15	-3.23	-2277.16	-13.21	-6.90	-0.04	-16.36	-0.02	40597.22	-0.30	-11444.39	-6.12	-4235.68	-2.34
Model Layer 9 (S.Y. = 0.1)	Zone 31	0.5X	Low	0%	297.06	12112.34	93.35	28300.00	28.18	6705.79	2.65	-3192.11	21.79	-10369.14	104.07	-4403.78	10.61	-26.70	-1.09	-2868.68	-13.09	-3111.90	-2.98	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40594.05	-3.47	-11435.75	2.51	-4233.37	-0.03
		2X	Low	0%	326.52	12121.16	102.17	28307.93	36.11	6708.11	4.97	-3192.18	21.71	-10369.33	103.88	-4404.12	10.27	-26.70	-1.09	-2868.69	-13.10	-3111.94	-3.02	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40608.47	10.95	-11444.25	-5.99	-4233.32	0.02
	Zone 32	0.5X	Low	0%	301.27	12109.01	90.03	28297.76	25.94	6705.09	1.95	-3192.08	21.82	-10369.07	104.15	-4403.67	10.72	-26.70	-1.09	-2868.68	-13.09	-3111.89	-2.97	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40588.34	-9.18	-11431.21	7.05	-4233.28	0.06
		2X	Low	0%	349.74	12125.95	106.96	28311.32	39.50	6709.59	6.45	-3192.23	21.66	-10369.46	103.75	-4404.30	10.09	-26.70	-1.09	-2868.69	-13.10	-3111.96	-3.04	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40615.58	18.06	-11450.95	-12.69	-4233.45	-0.11
	Zone 33	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
		2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
	Zone 34	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
		2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
	Zone 35	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
		2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
	Zone 36	0.5X	Low	0%	308.50	12114.74	95.75	28302.82	31.00	6707.20	4.06	-3192.26	21.64	-10370.10	103.12	-4415.41	-1.02	-26.69	-1.07	-2868.67	-13.08	-3106.33	2.59	-2276.87	-12.92	-6.90	-0.04	-16.34	0.00	40598.21	0.69	-11428.03	10.23	-4222.05	11.29
		2X	Low	0%	375.37	12115.39	96.40	28301.56	29.74	6705.27	2.13	-3191.89	22.01	-10367.46	105.75	-4381.10	33.30	-26.74	-1.12	-2868.71	-13.12	-3122.97	-14.05	-2277.63	-13.68	-6.90	-0.04	-16.40	-0.06	40596.11	-1.40	-11458.47	-20.21	-4255.71	-22.37
	Zone 37	0.5X	Low	1%	703.65	12104.66	85.67	28322.62	50.80	6731.81	28.66	-3189.20	24.70	-10364.14	109.08	-4448.24	-33.85	-26.63	-1.01	-2867.82	-12.23	-3095.47	13.45	-2275.81	-11.87	-6.89	-0.03	-16.27	0.07	40625.50	27.98	-11191.88	246.38	-4175.47	57.87
		2X	Low	1%	1062.84	12131.49	112.51	28265.11	-6.71	6659.90	-43.24	-3197.34	16.56	-10377.89	95.32	-4321.44	92.95	-26.85	-1.24	-2870.18	-14.59	-3142.18	-33.26	-2279.45	-15.50	-6.91	-0.05	-16.53	-0.19	40542.53	-54.99	-11906.77	-468.51	-4340.56	-107.22
	Zone 38	0.5X	Low	0%	301.39	12114.84	95.85	28302.66	30.84	6706.94	3.80	-3192.21	21.68	-10369.75	103.47	-4410.80	3.59	-26.70	-1.08	-2869.12	-13.53	-3108.14	0.78	-2277.00	-13.05	-6.90	-0.04	-16.35	-0.01	40597.95	0.43	-11432.10	6.16	-4226.27	7.07
		2X	Low	0%	344.54	12115.20	96.21	28301.89	30.06	6705.78	2.64	-3191.98	21.92	-10368.14	105.07	-4390.16	24.23	-26.72	-1.10	-2867.84	-12.25	-3119.43	-10.51	-2277.36	-13.41	-6.90	-0.04	-16.38	-0.04	40596.64	-0.88	-11450.46	-12.19	-4247.31	-13.97
	Zone 39	0.5X	Low	0%	474.86	12113.89	94.90	28304.92	33.10	6710.22	7.07	-3187.97	25.93	-10360.09	113.13	-4393.05	21.34	-26.67	-1.05	-2868.24	-12.65	-3108.28	0.64	-2276.65	-12.70	-6.90	-0.03	-16.34	0.00	40601.57	4.05	-11356.68	81.58	-4166.67	66.68
		2X	Low	0%	547.11	12116.77	97.78	28297.91	26.09	6700.04	-3.11	-3199.78	14.12	-10386.95	86.26	-4425.96	-11.57	-26.77	-1.16	-2869.46	-13.87	-3118.35	-9.43	-2277.97	-14.02	-6.90	-0.04	-16.40	-0.06	40590.33	-7.19	-11584.43	-146.17	-4349.59	-116.25
Model Layer 10 (S.Y. = 0.1 except Zone 38)	Zone 32	0.5X	Low	0%	295.52	12112.85	93.86	28300.51	28.69	6705.53	2.38	-3192.11	21.79	-10369.13	104.08	-4403.79	10.60	-26.70	-1.09	-2868.68	-13.09	-3111.90	-2.98	-2277.12	-13.17	-6.90	-0.04	-16.36	-0.02	40596.39	-1.13	-11435.69	2.57	-4233.31	0.03
		2X	Low	0%	312.39	12118.62	99.63	28305.75	33.92	6708.34	5.19	-3192.17	21.73	-10369.30	103.92	-4404.08	10.32	-26.70	-1.09	-2868.69	-13.10	-3111.94	-3.02	-2277.13	-13.18	-6.90	-0.04	-16.36	-0.02	40599.91	2.39	-11443.05	-4.79	-4233.41	-0.07
	Zone 33	0.5X	Low	0%	312.40	12117.65	98.66	28304.40	32.58	6706.69	3.54	-3192.04	21.86	-10368.96	104.26	-4403.35	11.05	-26.70	-1.09	-2868.68	-13.08	-3111.85	-2.93	-2277.11	-13.17	-6.90	-0.04	-16.36	-0.02	40600.77	3.25	-11431.55	6.71	-4233.18	0.16
		2X	Low	0%	307.13	12113.44	94.45	28299.37	27.55	6703.95	0.81	-3192.34	21.56	-10369.71	103.50	-4405.02	9.37	-26.71	-1.09	-2868.70	-13.11	-3112.05	-3.13	-2277.14	-13.19	-6.90	-0.04	-16.36	-0.02	40593.24	-4.28	-11452.84	-14.58	-4233.79	-0.45
	Zone 34	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
		2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
	Zone 35	0.5X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
		2X	Low	0%	296.67	12114.96	95.98	28302.40	30.58	6706.55	3.41	-3192.13	21.77	-10369.19	104.02	-4403.89	10.50	-26.70	-1.09	-2868.69	-13.09	-3111.92	-3.00	-2277.12	-13.18	-6.90	-0.04	-16.36	-0.02	40597.52	0.00	-11438.26	0.00	-4233.34	0.00
	Zone 36	0.5X	Low	0%	327.16	12114.65	95.67	28303.01	31.19	6707.51	4.37	-3192.29	21.61	-10370.43	102.78	-4421.17	-6.78	-26.67	-1.06	-2868.74	-13.15	-3102.41	6.51	-2276.72	-12.77	-6.90	-0.03	-16.33	0.01	40598.48	0.96	-11423.60	14.67	-4217.73	15.61
		2X	Low	0%	407.66	12115.50	96.51	28301.23	29.41	6704.75	1.61	-3191.83	22.07	-10366.94	106.27	-4371.38	43.01	-26.76	-1.15	-2868.58	-12.99	-3129.68	-20.76	-2277.87	-13.92	-6.90	-0.04	-16.41	-0.07	40595.60	-1.92	-11466.14	-27.87	-4263.41	-30.06
	Zone 37	0.5X	Low	0%	546.35	12108.70	89.71	28312.48	40.66	6723.66	20.52	-3192.33	21.57	-10372.68	100.54	-4449.39	-35.00	-26.58	-0.96	-2867.08	-11.48	-3098.19	10.73	-2275.58	-11.63	-6.89	-0.03	-16.28	0.05	40614.67	17.15	-11312.98	125.28	-4172.30	61.04
		2X	Low	1%	763.82	12124.81	105.82	28283.19	11.37	6675.15	-27.99	-3191.97	21.93	-10364.47	108.74	-4333.75	80.64	-26.91	-1.30	-2871.13	-15.54	-3133.80	-24.88	-2279.56	-15.61	-6.91	-0.05	-16.48	-0.14	40563.60	-33.92	-11659.58	-221.32	-4327.91	-94.57
	Zone 38 (S.Y.=0.05)	0.5X	Low	0%	319.92	12114.77	95.78	28302.80	30.98	6707.19	4.04	-3192.23	21.66	-10370.00	103.22	-4415.33	-0.94	-26.69	-1.07	-2868.64	-13.05	-3124.62	-15.70	-2276.90	-12.95	-6.90	-0.04	-16.34	0.00	40598.15	0.63	-11428.64	9.62	-4223.11	10.23
		2X	Low	0%	369.99	12115.29	96.31	28301.67	29.85	6705.43	2.28	-3191.95	21.95	-10367.80	105.42	-4383.47	30.92	-26.73	-1.12	-2868.17	-12.58	-3090.43	18.49	-2277.50	-13.55	-6.90	-0.04	-16.39	-0.05	40596.33	-1.19	-11455.58	-17.31	-4252.27	-18.93
	Zone 39	0.5X	Low	0%	362.02	12114.78	95.79	28303.01	31.19	6707.42	4.27	-3190.94	22.96	-10365.52	107.70	-4401.78	12.61	-26.69	-1.08	-2868.58	-12.99	-3111.13	-2.21	-2277.01	-13.06	-6.90	-0.04	-16.35	-0.02	40598.52	1.00	-11417.14	21.12	-4197.36	35.98
		2X	Low	0%	381.47	12115.29	96.31	28301.39	29.57	6705.08	1.93	-3194.00	19.89	-10375.38	97.84	-4407.27	7.12	-26.72	-1.11	-2868.87	-13.28	-3113.28	-4.36	-2277.33	-13.38	-6.90	-0.04	-16.37	-0.03	40595.89	-1.63	-11473.64	-35.38	-4292.95	-59.61

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
SCR Underflow (5000 AFY)		0.5X (2500 AFY)	High	Low
		0.8X (4000 AFY)	High	Low
		1.2X (6000 AFY)	High	Low
		1.5X (7500 AFY)	High	Low
		2X (10000 AFY)	High	Low
EVT Rate		0.1X	High	Medium
		10X	High	High
EVT Extinct Depth (5 ft)		2.5 ft	Low	Low
		10 ft	Medium	Low
HFB #9 (0.001)		0.1X (0.0001)	High	Medium
		10X (0.01)	High	Medium
HFB #10 and HFB #19 (1.0E-6 to 1.0E-2)		0.1X	Low	Low
		10X	Low	Low
HFB #73 (1.0E-7)		0.1X (1.0E-8)	Low	Low
		10X (1.0E-6)	Low	Low
HFB #98 (1.1E-4)		0.1X (1.1E-5)	Low	Low
		10X (1.1E-3)	Low	Low
HFB #98 (1.1E-5)		0.1X (1.1E-6)	Low	Low
		10X (1.1E-4)	Low	Low
Surface Recharge from Appiled Water	Fillmore basin only	0.5X	Low	Low
		1.5X	Low	Low
	Piru basin only	0.5X	Low	Low
		1.5X	Low	Low
	Santa Paula basin only	0.5X	Medium	Low
		1.5X	Medium	Low
Surface Recharge from Precipitation	Fillmore basin only	0.5X	High	Low
		1.5X	High	Low
	Piru basin only	0.5X	High	Low
		1.5X	High	Low
	Santa Paula basin only	0.5X	High	Low
		1.5X	High	Low
Surface Recharge from Pumped Water	Fillmore basin only	0.5X	High	Low
		1.5X	High	Low
	Piru basin only	0.5X	High	Low
		1.5X	High	Low
	Santa Paula basin only	0.5X	Medium	Low
		1.5X	Low	Low
STR Conductance for Piru Creek		0.1X	High	Medium
		10X	High	Medium
STR Conductance for Sespe Creek		0.1X	High	Low
		10X	High	Low
STR Conductance for Santa Paula Creek		0.1X	Low	Low
		10X	Low	Low
STR Conductance for Santa Clara River	Piru basin only	0.1X	High	High
		10X	High	Medium
	Fillmore basin only	0.1X	Low	Low
		10X	High	Low
	Santa Paula basin only	0.1X	Low	Low
		10X	High	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
	Oxnard and Mound basins only	0.1X	Low	Low
		10X	Low	Low
Horizontal Hydraulic Conductivity		**Multiplier**	**Calibration Residual Sensitivity**	**Flow Budget Sensitivity**
Model Layer 1	Zone 31 (1200 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 32 (1200 Ft/day)	0.1X	Medium	Low
		10X	Low	Low
	Zone 33 (600 ft/day)	0.1X	Medium	Low
		10X	Medium	Low
	Zone 34 (200 Ft/day)	0.1X	Low	Low
		10X	Medium	Low
	Zone 35 (200 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 36 (200 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 37 (200 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 39 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
Model Layer 2	Zone 31 (0.1 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 32 (0.1 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 33 (0.1 ft/day)	0.1X	High	Low
		10X	Medium	Low
	Zone 34 (0.1 ft/day)	0.1X	Medium	Low
		10X	Medium	Low
	Zone 35 (0.1 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 36 (0.1 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 37 (100ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 39 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
Model Layer 3	Zone 26 (600 ft/day)	0.1X	High	Low
		10X	High	Low
	Zone 31 (1200 ft/day)	0.1X	High	Low
		10X	High	Low
	Zone 32 (1200 ft/day)	0.1X	High	Medium
		10X	High	Medium
	Zone 33 (400 ft/day)	0.1X	High	High
		10X	High	High
	Zone 34 (100 ft/day)	0.1X	Medium	Low
		10X	High	Low
	Zone 35 (100 ft/day)	0.1X	Medium	Low
		10X	High	High

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

	Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
Horizontal Hydraulic Conductivity	Model Layer 4	Zone 36 (100 ft/day)	0.1X	Low	Low
			10X	High	Low
		Zone 37 (100 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 38 (100 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 39 (10 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 26 (400 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 31 (1000 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 32 (1000 ft/day)	0.1X	Low	Low
			10X	High	Low
		Zone 33 (200 ft/day)	0.1X	Low	Low
			10X	High	Low
		Zone 34 (100 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 35 (1 ft/day)	0.1X	High	Low
			10X	Low	Low
		Zone 36 (1 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 37 (100 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 38 (1 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 39 (10 ft/day)	0.1X	Low	Low
			10X	Low	Low
	Model Layer 5	Zone 26 (400 ft/day)	0.1X	High	Low
			10X	High	Low
		Zone 31 (1000 ft/day)	0.1X	Medium	Low
			10X	Low	Low
		Zone 32 (1000 ft/day)	0.1X	High	Medium
			10X	High	Medium
		Zone 33 (200 ft/day)	0.1X	High	Medium
			10X	High	High
		Zone 34 (100 ft/day)	0.1X	High	Low
			10X	High	Medium
		Zone 35 (100 ft/day)	0.1X	High	Medium
			10X	High	High
		Zone 36 (100 ft/day)	0.1X	High	Low
			10X	High	Low
		Zone 37 (100 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 38 (100 ft/day)	0.1X	Medium	Low
			10X	Low	Low
		Zone 39 (10 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 31 (1 ft/day)	0.1X	Low	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

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Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
Model Layer 6	Zone 31 (1 ft/day)	10X	Low	Low
		0.1X	Low	Low
	Zone 32 (1 ft/day)	10X	Low	Low
		0.1X	Low	Low
	Zone 33 (1 ft/day)	10X	Medium	Low
		0.1X	Low	Low
	Zone 34 (1 ft/day)	10X	Low	Low
		0.1X	Low	Low
	Zone 35 (1 ft/day)	10X	Low	Low
		0.1X	Medium	Low
	Zone 36 (0.1 ft/day)	10X	Low	Low
		0.1X	Low	Low
	Zone 37 (1 ft/day)	10X	Low	Low
		0.1X	Low	Low
	Zone 38 (0.01 ft/day)	10X	Low	Low
		0.1X	Low	Low
	Zone 39 (0.1 ft/day)	10X	Low	Low
Model Layer 7	Zone 31 (200 ft/day)	0.1X	Medium	Low
		10X	Medium	Low
	Zone 32 (200 ft/day)	0.1X	High	High
		10X	High	High
	Zone 33 (100 ft/day)	0.1X	High	High
		10X	High	High
	Zone 34 (100 ft/day)	0.1X	High	Low
		10X	High	Medium
	Zone 35 (50 ft/day)	0.1X	High	Medium
		10X	High	High
	Zone 36 (50 ft/day)	0.1X	Medium	Low
		10X	Medium	Low
	Zone 37 (5 ft/day)	0.1X	Low	Low
		10X	Medium	Low
	Zone 38 (20 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 39 (5 ft/day)	0.1X	Low	Low
		10X	Low	Low
Model Layer 8	Zone 31 (0.01 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 32 (0.01 ft/day)	0.1X	High	Low
		10X	Medium	Low
	Zone 33 (0.01 ft/day)	0.1X	Low	Low
		10X	High	Low
	Zone 34 (0.01 ft/day)	0.1X	High	Low
		10X	High	Low
	Zone 35 (0.01 ft/day)	0.1X	High	Low
		10X	High	Medium
	Zone 36 (0.01 ft/day)	0.1X	Low	Low
		10X	High	Low
	Zone 37 (0.01 ft/day)	0.1X	Low	Low
		10X	Medium	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
Model Layer 9	Zone 38 (0.01 ft/day)	0.1X	Low	Low
		10X	Medium	Low
	Zone 39 (0.01 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 31 (100 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 32 (100 ft/day)	0.1X	High	Low
		10X	High	Low
	Zone 33 (100 ft/day)	0.1X	High	Low
		10X	High	Medium
	Zone 34 (100 ft/day)	0.1X	High	Low
		10X	High	Low
	Zone 35 (50 ft/day)	0.1X	High	Low
		10X	High	Low
	Zone 36 (50 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 37 (5 ft/day)	0.1X	High	Low
		10X	High	Low
	Zone 38 (20 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 39 (5 ft/day)	0.1X	Low	Low
		10X	Low	Low
Model Layer 10	Zone 32 (100 ft/day)	0.1X	High	Medium
		10X	High	Medium
	Zone 33 (100 ft/day)	0.1X	High	Medium
		10X	High	Medium
	Zone 34 (100 ft/day)	0.1X	Low	Low
		10X	Medium	Low
	Zone 35 (50 ft/day)	0.1X	Low	Low
		10X	Medium	Low
	Zone 36 (50 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 37 (1 ft/day)	0.1X	Low	Low
		10X	Medium	Low
	Zone 38 (20 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 39 (1 ft/day)	0.1X	Low	Low
		10X	Low	Low
Vertical Hydraulic Conductivity		**Multiplier**	**Calibration Residual Sensitivity**	**Flow Budget Sensitivity**
Model Layer 1	Zone 31 (120 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 32 (120 Ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 33 (60 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 34 (20 Ft/day)	0.1X	Low	Low
		10X	Low	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

	Parameters	Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
Model Layer 1	Zone 35 (20 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 36 (20 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 37 (20 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 39 (1 ft/day)	0.1X	Low	Low
		10X	Low	Low
Model Layer 2	Zone 31 (0.01 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 32 (0.01 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 33 (0.01 ft/day)	0.1X	Medium	Low
		10X	High	Low
	Zone 34 (0.01 ft/day)	0.1X	Medium	Low
		10X	Medium	Low
	Zone 35 (0.01 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 36 (0.01 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 37 (10ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 39 (1 ft/day)	0.1X	Low	Low
		10X	Low	Low
Model Layer 3	Zone 26 (60 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 31 (120 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 32 (120 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 33 (40 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 34 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 35 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 36 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 37 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 38 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 39 (1 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 26 (40 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 31 (100 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 32 (100 ft/day)	0.1X	Low	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

	Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
Vertical Hydraulic Conductivity	Model Layer 4	Zone 32 (100 ft/day)	10X	Low	Low
			0.1X	Low	Low
		Zone 33 (20 ft/day)	10X	Low	Low
			0.1X	Low	Low
		Zone 34 (10 ft/day)	10X	Low	Low
			0.1X	Low	Low
		Zone 35 (0.1 ft/day)	10X	High	Low
			0.1X	Low	Low
		Zone 36 (0.1 ft/day)	10X	Low	Low
			0.1X	Low	Low
		Zone 37 (10 ft/day)	10X	Low	Low
			0.1X	Low	Low
		Zone 38 (0.1 ft/day)	10X	Low	Low
			0.1X	Low	Low
		Zone 39 (1 ft/day)	10X	Low	Low
	Model Layer 5	Zone 26 (40 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 31 (100 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 32 (100 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 33 (20 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 34 (10 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 35 (10 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 36 (10 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 37 (10 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 38 (10 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 39 (1 ft/day)	0.1X	Low	Low
			10X	Low	Low
	Model Layer 6	Zone 31 (0.1 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 32 (0.1 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 33 (0.1 ft/day)	0.1X	Medium	Low
			10X	Low	Low
		Zone 34 (0.1 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 35 (0.1 ft/day)	0.1X	Low	Low
			10X	Low	Low
		Zone 36 (0.01 ft/day)	0.1X	Low	Low
			10X	Medium	Low
		Zone 37 (0.1 ft/day)	0.1X	Low	Low
			10X	Low	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

	Parameters	Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
	Zone 38 (0.001 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 39 (0.01 ft/day)	0.1X	Low	Low
		10X	Low	Low
Model Layer 7	Zone 31 (20 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 32 (20 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 33 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 34 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 35 (5 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 36 (5 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 37 (0.5 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 38 (2 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 39 (0.5 ft/day)	0.1X	Low	Low
		10X	Low	Low
Model Layer 8	Zone 31 (0.001 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 32 (0.001 ft/day)	0.1X	Medium	Low
		10X	High	Low
	Zone 33 (0.001 ft/day)	0.1X	High	Low
		10X	Low	Low
	Zone 34 (0.001 ft/day)	0.1X	High	Low
		10X	High	Low
	Zone 35 (0.001 ft/day)	0.1X	High	Medium
		10X	High	Low
	Zone 36 (0.001 ft/day)	0.1X	High	Low
		10X	Low	Low
	Zone 37 (0.001 ft/day)	0.1X	Medium	Low
		10X	Low	Low
	Zone 38 (0.001 ft/day)	0.1X	Medium	Low
		10X	Low	Low
	Zone 39 (0.001 ft/day)	0.1X	Low	Low
		10X	Low	Low
Model Layer 9	Zone 31 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 32 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 33 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 34 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 35 (5 ft/day)	0.1X	Low	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
Model Layer 9	Zone 35 (5 ft/day)	10X	Low	Low
	Zone 36 (5 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 37 (0.5 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 38 (2 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 39 (0.5 ft/day)	0.1X	Low	Low
		10X	Low	Low
Model Layer 10	Zone 32 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 33 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 34 (10 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 35 (5 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 36 (5 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 37 (0.1 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 38 (2 ft/day)	0.1X	Low	Low
		10X	Low	Low
	Zone 39 (0.1 ft/day)	0.1X	Low	Low
		10X	Low	Low

Storage Coefficient		**Multiplier**	**Calibration Residual Sensitivity**	**Flow Budget Sensitivity**
Model Layer 1 (storage coefficient = 0.001)	Zone 31	0.1X	Low	Low
		10X	Low	Low
	Zone 32	0.1X	Low	Low
		10X	Low	Low
	Zone 33	0.1X	Low	Low
		10X	Low	Low
	Zone 34	0.1X	Low	Low
		10X	Low	Low
	Zone 35	0.1X	Low	Low
		10X	Low	Low
	Zone 36	0.1X	Low	Low
		10X	Low	Low
	Zone 37	0.1X	Low	Low
		10X	Low	Low
	Zone 39	0.1X	Low	Low
		10X	Low	Low
	Zone 31	0.1X	Low	Low
		10X	Low	Low
	Zone 32	0.1X	Low	Low
		10X	Low	Low
	Zone 33	0.1X	Low	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
Model Layer 2 (storage coefficient = 0.001)	Zone 33	10X	Low	Low
	Zone 34	0.1X	Low	Low
		10X	Low	Low
	Zone 35	0.1X	Low	Low
		10X	Low	Low
	Zone 36	0.1X	Low	Low
		10X	Low	Low
	Zone 37	0.1X	Low	Low
		10X	Low	Low
	Zone 39	0.1X	Low	Low
		10X	Low	Low
Model Layer 3 (storage coefficient = 0.001)	Zone 26	0.1X	Low	Low
		10X	Low	Low
	Zone 31	0.1X	Low	Low
		10X	Low	Low
	Zone 32	0.1X	Low	Low
		10X	Low	Low
	Zone 33	0.1X	Low	Low
		10X	Low	Low
	Zone 34	0.1X	Low	Low
		10X	Low	Low
	Zone 35	0.1X	Low	Low
		10X	Low	Low
	Zone 36	0.1X	Low	Low
		10X	Low	Low
	Zone 37	0.1X	Low	Low
		10X	Low	Low
	Zone 38	0.1X	Low	Low
		10X	Low	Low
	Zone 39	0.1X	Low	Low
		10X	Low	Low
Model Layer 4 (storage coefficient = 0.001)	Zone 26	0.1X	Low	Low
		10X	Low	Low
	Zone 31	0.1X	Low	Low
		10X	Low	Low
	Zone 32	0.1X	Low	Low
		10X	Low	Low
	Zone 33	0.1X	Low	Low
		10X	Low	Low
	Zone 34	0.1X	Low	Low
		10X	Low	Low
	Zone 35	0.1X	Low	Low
		10X	Low	Low
	Zone 36	0.1X	Low	Low
		10X	Low	Low
	Zone 37	0.1X	Low	Low
		10X	Low	Low
	Zone 38	0.1X	Low	Low
		10X	Low	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

	Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
Storage Coefficient	Model Layer 5 (storage coefficient = 0.001)	Zone 39	0.1X	Low	Low
			10X	Low	Low
		Zone 26	0.1X	Low	Low
			10X	Low	Low
		Zone 31	0.1X	Low	Low
			10X	Low	Low
		Zone 32	0.1X	Low	Low
			10X	Low	Low
		Zone 33	0.1X	Low	Low
			10X	Low	Low
		Zone 34	0.1X	Low	Low
			10X	Low	Low
		Zone 35	0.1X	Low	Low
			10X	Low	Low
		Zone 36	0.1X	Low	Low
			10X	Low	Low
		Zone 37	0.1X	Low	Low
			10X	Low	Low
		Zone 38	0.1X	Low	Low
			10X	Low	Low
		Zone 39	0.1X	Low	Low
			10X	Low	Low
	Model Layer 6 (storage coefficient = 0.0005)	Zone 31	0.1X	Low	Low
			10X	Low	Low
		Zone 32	0.1X	Low	Low
			10X	Low	Low
		Zone 33	0.1X	Low	Low
			10X	Low	Low
		Zone 34	0.1X	Low	Low
			10X	Low	Low
		Zone 35	0.1X	Low	Low
			10X	Low	Low
		Zone 36	0.1X	Low	Low
			10X	Low	Low
		Zone 37	0.1X	Low	Low
			10X	Low	Low
		Zone 38	0.1X	Low	Low
			10X	Low	Low
		Zone 39	0.1X	Low	Low
			10X	Low	Low
	Model Layer 7 (storage coefficient	Zone 31	0.1X	Low	Low
			10X	Low	Low
		Zone 32	0.1X	Low	Low
			10X	Low	Low
		Zone 33	0.1X	Low	Low
			10X	Low	Low
		Zone 34	0.1X	Low	Low
			10X	Low	Low
		Zone 35	0.1X	Low	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
(storage coefficient = 0.0005)	Zone 35	10X	Low	Low
		0.1X	Low	Low
	Zone 36	10X	Low	Low
		0.1X	Low	Low
	Zone 37	10X	Low	Low
		0.1X	Low	Low
	Zone 38	10X	Low	Low
		0.1X	Low	Low
	Zone 39	10X	Low	Low
Model Layer 8 (storage coefficient = 0.0005)	Zone 31	0.1X	Low	Low
		10X	Low	Low
	Zone 32	0.1X	Low	Low
		10X	Low	Low
	Zone 33	0.1X	Low	Low
		10X	Low	Low
	Zone 34	0.1X	Low	Low
		10X	Low	Low
	Zone 35	0.1X	Low	Low
		10X	Low	Low
	Zone 36	0.1X	Low	Low
		10X	Low	Low
	Zone 37	0.1X	Low	Low
		10X	Low	Low
	Zone 38	0.1X	Low	Low
		10X	Low	Low
	Zone 39	0.1X	Low	Low
		10X	Low	Low
Model Layer 9 (storage coefficient = 0.0005)	Zone 31	0.1X	Low	Low
		10X	Low	Low
	Zone 32	0.1X	Low	Low
		10X	Low	Low
	Zone 33	0.1X	Low	Low
		10X	Low	Low
	Zone 34	0.1X	Low	Low
		10X	Low	Low
	Zone 35	0.1X	Low	Low
		10X	Low	Low
	Zone 36	0.1X	Low	Low
		10X	Low	Low
	Zone 37	0.1X	Low	Low
		10X	Low	Low
	Zone 38	0.1X	Low	Low
		10X	Low	Low
	Zone 39	0.1X	Low	Low
		10X	Low	Low
	Zone 32	0.1X	Low	Low
		10X	Low	Low
	Zone 33	0.1X	Low	Low
		10X	Low	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
Model Layer 10 (storage coefficient = 0.0005)	Zone 34	0.1X	Low	Low
		10X	Low	Low
	Zone 35	0.1X	Low	Low
		10X	Low	Low
	Zone 36	0.1X	Low	Low
		10X	Low	Low
	Zone 37	0.1X	Low	Low
		10X	Low	Low
	Zone 38	0.1X	Low	Low
		10X	Low	Low
	Zone 39	0.1X	Low	Low
		10X	Low	Low
Specific Yield		**Multiplier**	**Calibration Residual Sensitivity**	**Flow Budget Sensitivity**
Model Layer 1 (S.Y. = 0.15)	Zone 31	0.5X	Low	Low
		2X	Low	Low
	Zone 32	0.5X	Low	Low
		2X	Low	Low
	Zone 33	0.5X	Low	Low
		2X	Low	Low
	Zone 34	0.5X	Low	Low
		2X	Low	Low
	Zone 35	0.5X	Low	Low
		2X	Low	Low
	Zone 36	0.5X	Low	Low
		2X	Low	Low
	Zone 37	0.5X	Low	Low
		2X	Low	Low
	Zone 39	0.5X	Low	Low
		2X	Low	Low
Model Layer 2 (S.Y. = 0.15)	Zone 31	0.5X	Low	Low
		2X	Low	Low
	Zone 32	0.5X	Low	Low
		2X	Low	Low
	Zone 33	0.5X	Low	Low
		2X	Low	Low
	Zone 34	0.5X	Low	Low
		2X	Low	Low
	Zone 35	0.5X	Low	Low
		2X	Low	Low
	Zone 36	0.5X	Low	Low
		2X	Low	Low
	Zone 37	0.5X	Low	Low
		2X	Low	Low
	Zone 39	0.5X	Low	Low
		2X	Low	Low
	Zone 26	0.5X	Low	Low
		2X	Low	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
Model Layer 3 (S.Y. = 0.15)	Zone 31	0.5X	Medium	Low
		2X	High	Low
	Zone 32	0.5X	High	Low
		2X	High	Low
	Zone 33	0.5X	Low	Low
		2X	Medium	Low
	Zone 34	0.5X	Low	Low
		2X	Low	Low
	Zone 35	0.5X	Low	Low
		2X	Low	Low
	Zone 36	0.5X	Low	Low
		2X	Low	Low
	Zone 37	0.5X	Low	Low
		2X	Low	Low
	Zone 38	0.5X	Low	Low
		2X	Low	Low
	Zone 39	0.5X	Low	Low
		2X	Low	Low
Model Layer 4 (S.Y. = 0.05)	Zone 26	0.5X	Low	Low
		2X	Low	Low
	Zone 31	0.5X	Low	Low
		2X	Low	Low
	Zone 32	0.5X	Low	Low
		2X	Low	Low
	Zone 33	0.5X	Low	Low
		2X	Low	Low
	Zone 34	0.5X	Low	Low
		2X	Low	Low
	Zone 35	0.5X	Low	Low
		2X	Low	Low
	Zone 36	0.5X	Low	Low
		2X	Low	Low
	Zone 37	0.5X	Low	Low
		2X	Low	Low
	Zone 38	0.5X	Low	Low
		2X	Low	Low
	Zone 39	0.5X	Low	Low
		2X	Low	Low
Model Layer 5 (S.Y. = 0.15)	Zone 26	0.5X	Low	Low
		2X	Low	Low
	Zone 31	0.5X	Low	Low
		2X	Low	Low
	Zone 32	0.5X	Low	Low
		2X	Medium	Low
	Zone 33	0.5X	Low	Low
		2X	Low	Low
	Zone 34	0.5X	Low	Low
		2X	Low	Low
	Zone 35	0.5X	Low	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

	Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
Specific Yield	Model Layer 6 (S.Y. = 0.05)	Zone 35	2X	Low	Low
			0.5X	Low	Low
		Zone 36	2X	Low	Low
			0.5X	Low	Low
		Zone 37	2X	Low	Low
			0.5X	Low	Low
		Zone 38	2X	Low	Low
			0.5X	Low	Low
		Zone 39	2X	Low	Low
	Model Layer 7 (S.Y. = 0.1)	Zone 31	0.5X	Low	Low
			2X	Low	Low
		Zone 32	0.5X	Low	Low
			2X	Low	Low
		Zone 33	0.5X	Low	Low
			2X	Low	Low
		Zone 34	0.5X	Low	Low
			2X	Low	Low
		Zone 35	0.5X	Low	Low
			2X	Low	Low
		Zone 36	0.5X	Low	Low
			2X	Low	Low
		Zone 37	0.5X	Low	Low
			2X	Low	Low
		Zone 38	0.5X	Low	Low
			2X	Low	Low
		Zone 39	0.5X	Low	Low
			2X	Low	Low
	Model Layer 8 (S.Y. = 0.2)	Zone 31	0.5X	Low	Low
			2X	Low	Low
		Zone 32	0.5X	Low	Low
			2X	Low	Low

Table 5-3. Sensitivity Analysis -- Sensitivity Levels

Parameters		Multiplier	Calibration Residual Sensitivity	Flow Budget Sensitivity
Model Layer 8 (S.Y. = 0.05)	Zone 33	0.5X	Low	Low
		2X	Low	Low
	Zone 34	0.5X	Low	Low
		2X	Low	Low
	Zone 35	0.5X	Low	Low
		2X	Low	Low
	Zone 36	0.5X	Low	Low
		2X	Low	Low
	Zone 37	0.5X	Low	Low
		2X	Low	Low
	Zone 38	0.5X	Low	Low
		2X	Low	Low
	Zone 39	0.5X	Low	Low
		2X	Low	Low
Model Layer 9 (S.Y. = 0.1)	Zone 31	0.5X	Low	Low
		2X	Low	Low
	Zone 32	0.5X	Low	Low
		2X	Low	Low
	Zone 33	0.5X	Low	Low
		2X	Low	Low
	Zone 34	0.5X	Low	Low
		2X	Low	Low
	Zone 35	0.5X	Low	Low
		2X	Low	Low
	Zone 36	0.5X	Low	Low
		2X	Low	Low
	Zone 37	0.5X	Low	Low
		2X	Low	Low
	Zone 38	0.5X	Low	Low
		2X	Low	Low
	Zone 39	0.5X	Low	Low
		2X	Low	Low
Model Layer 10 (S.Y. = 0.1 except Zone 38)	Zone 32	0.5X	Low	Low
		2X	Low	Low
	Zone 33	0.5X	Low	Low
		2X	Low	Low
	Zone 34	0.5X	Low	Low
		2X	Low	Low
	Zone 35	0.5X	Low	Low
		2X	Low	Low
	Zone 36	0.5X	Low	Low
		2X	Low	Low
	Zone 37	0.5X	Low	Low
		2X	Low	Low
	Zone 38 (S.Y.=0.05)	0.5X	Low	Low
		2X	Low	Low
	Zone 39	0.5X	Low	Low
		2X	Low	Low

FIGURES

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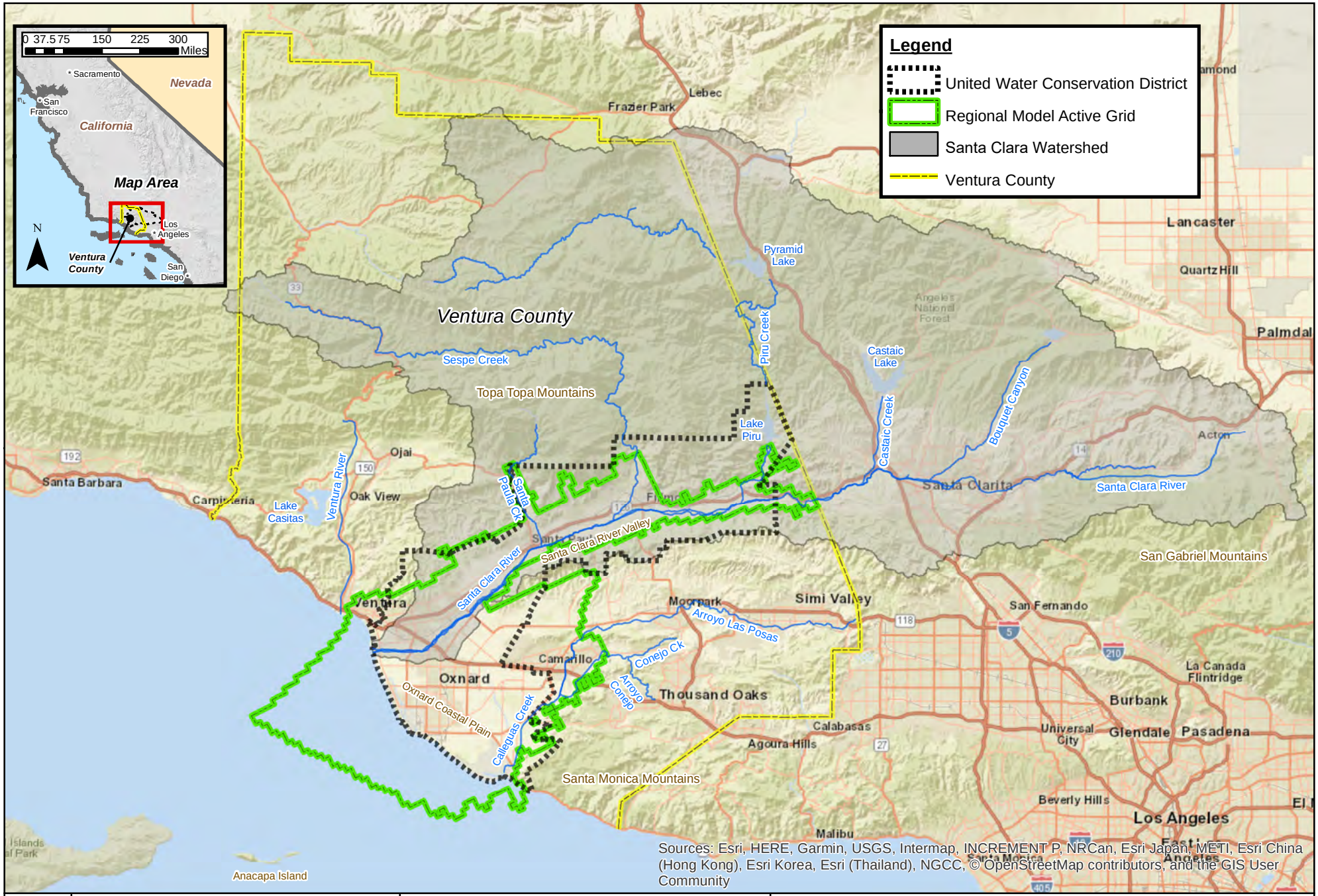

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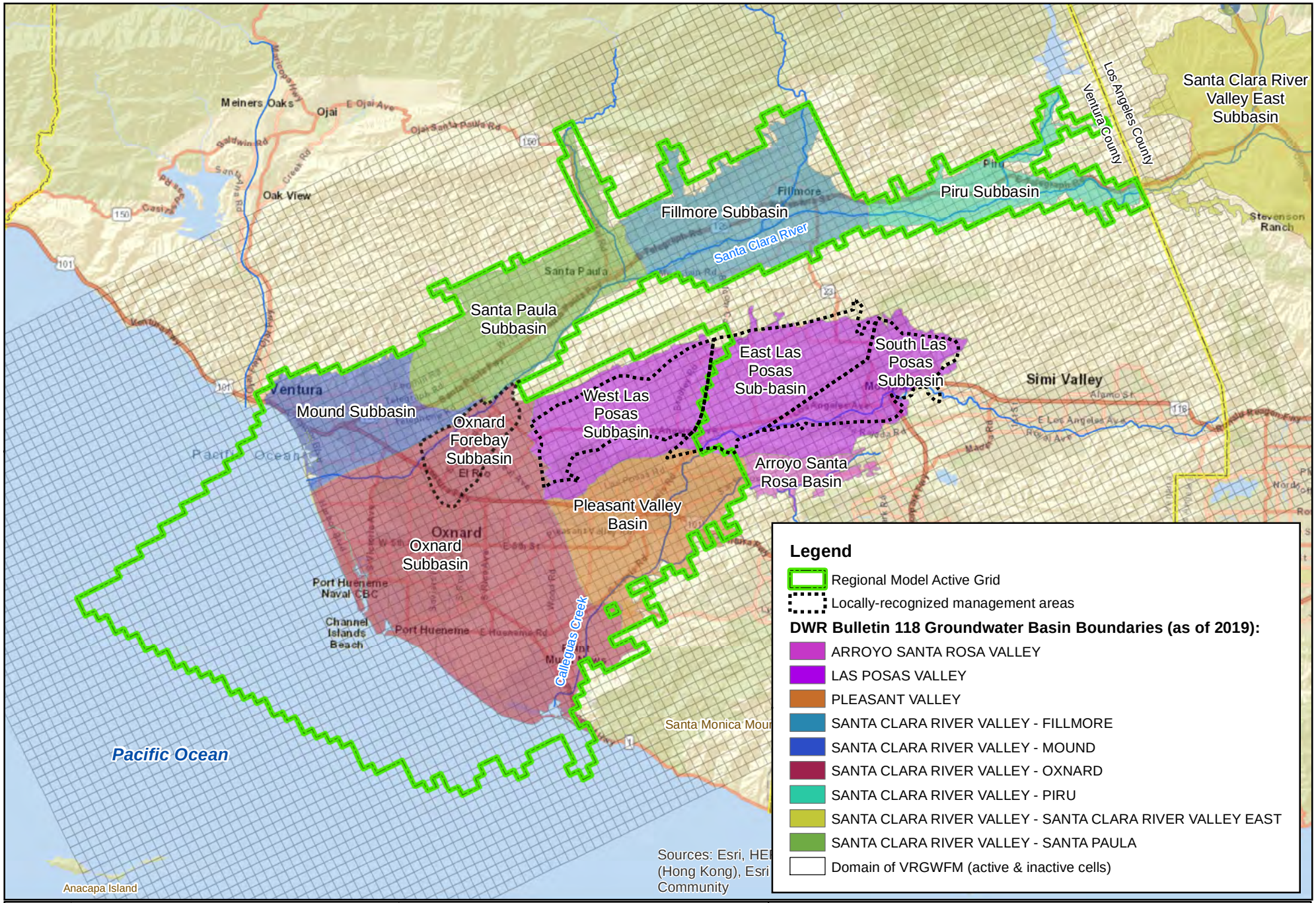
Figure 1-1.
Location Map



N

0 1 2 4 6 8 10 Miles

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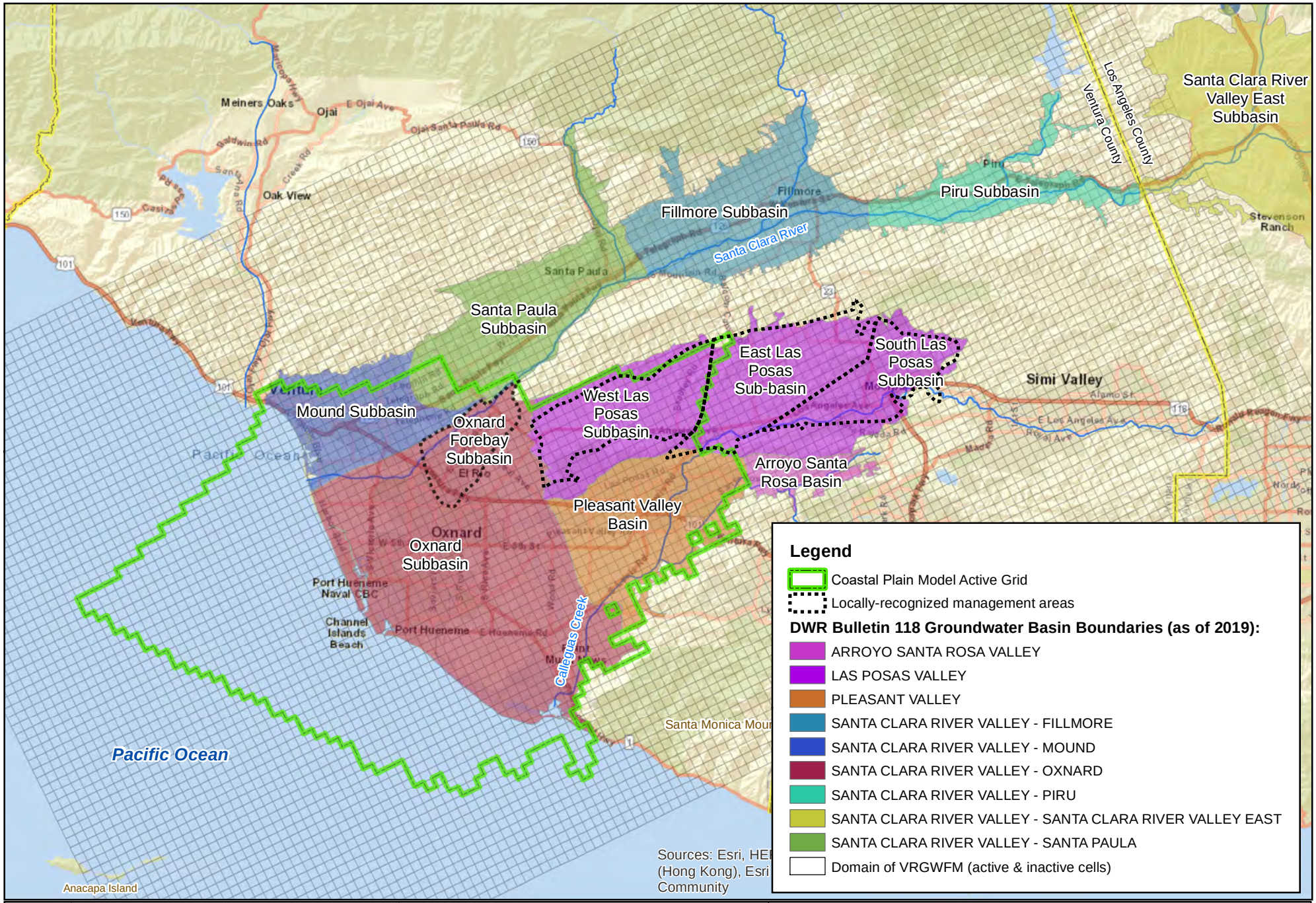
Figure 1-2.
Regional Model Domain



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0 1 2 4 6 8 10 Miles

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Figure 1-3.
Coastal Plain Model Domain

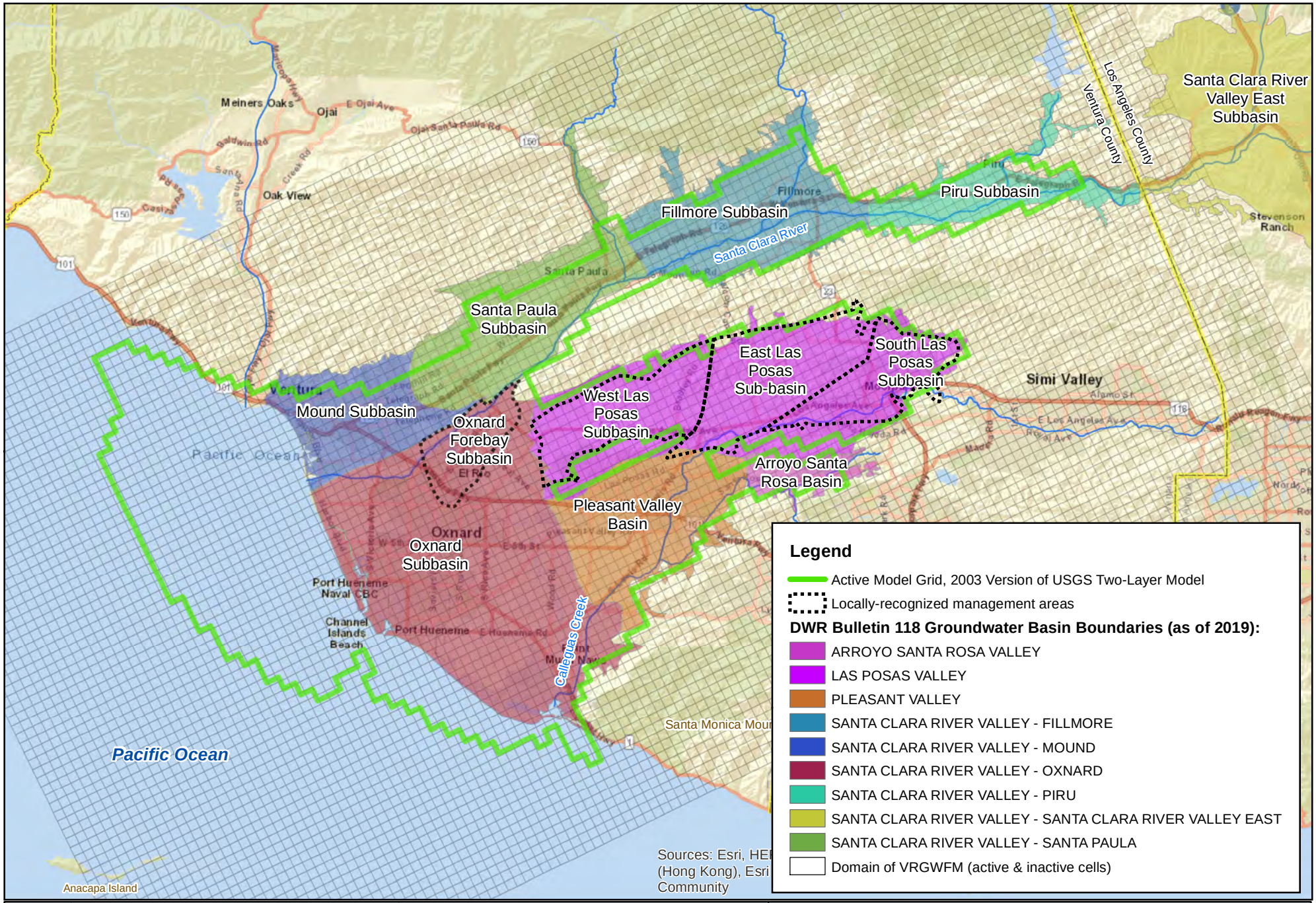

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Figure 1-4.
USGS (2003) Model Domain

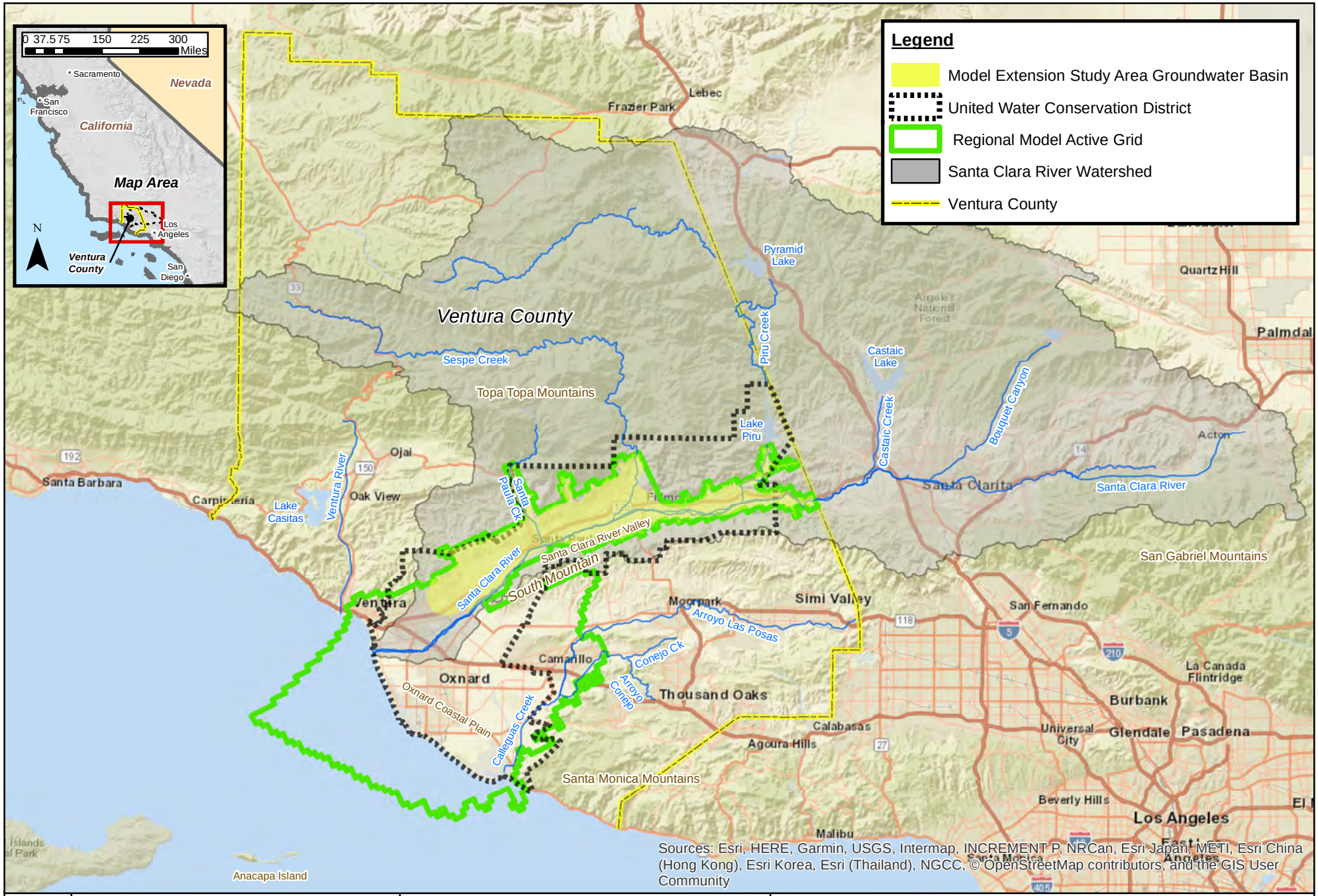

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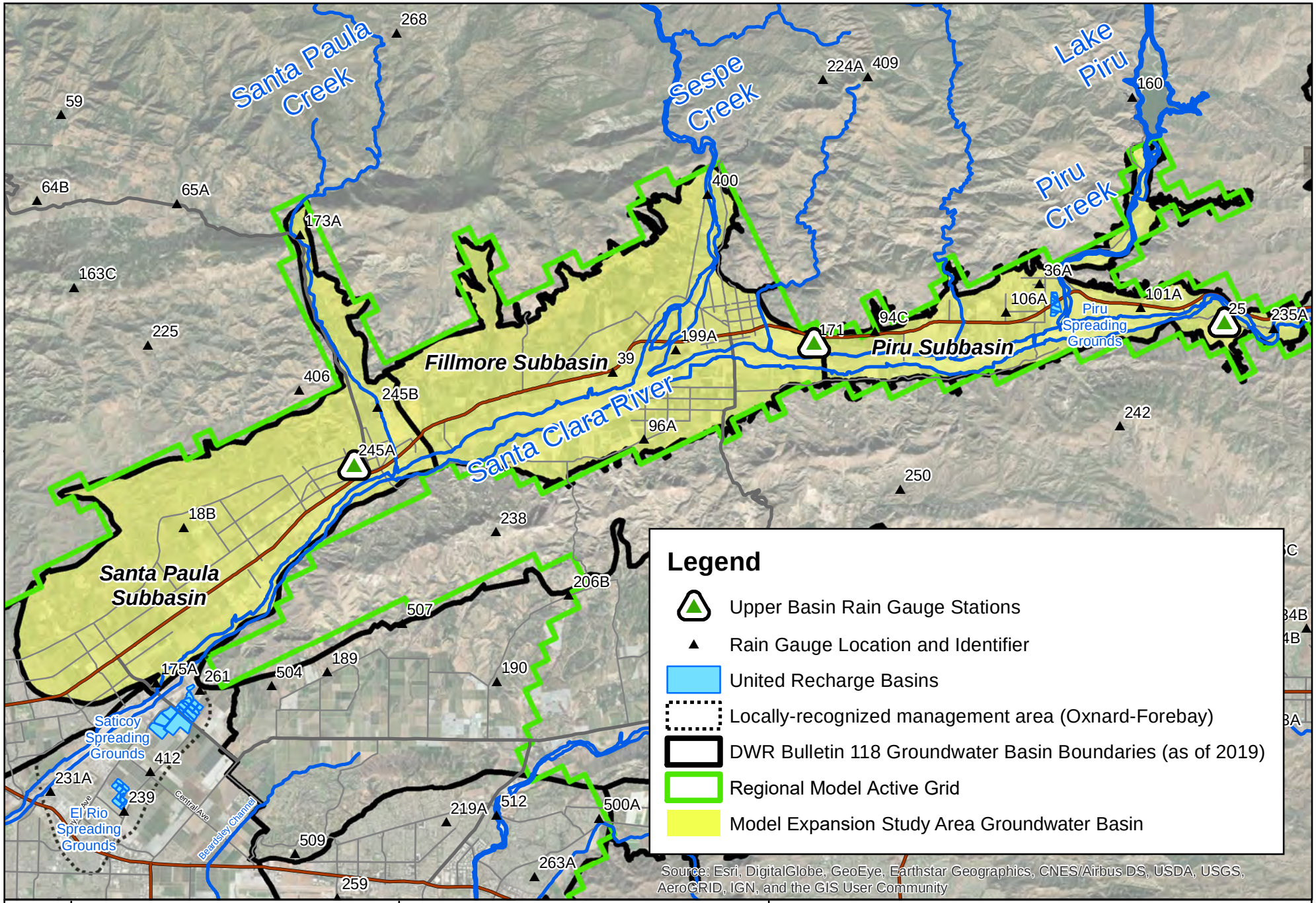
Figure 2-1.
Location Map with Regional Model Expansion Basins



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0 1 2 4 6 Miles

(At original document size of 11x8.5)

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Figure 2-2.
Regional Model Expansion Basins

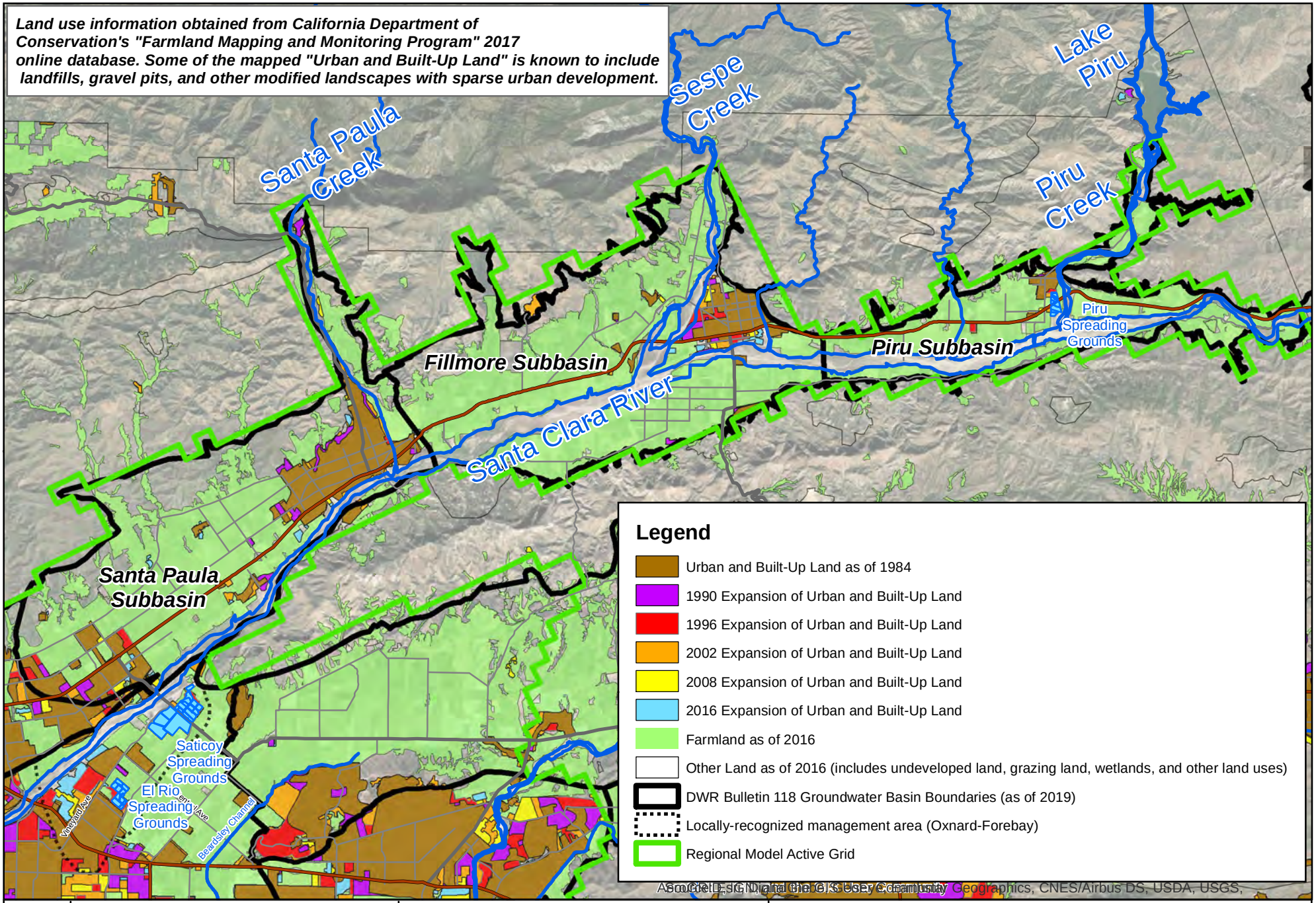

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Figure 2-3.
Land Use in Model Expansion Basins

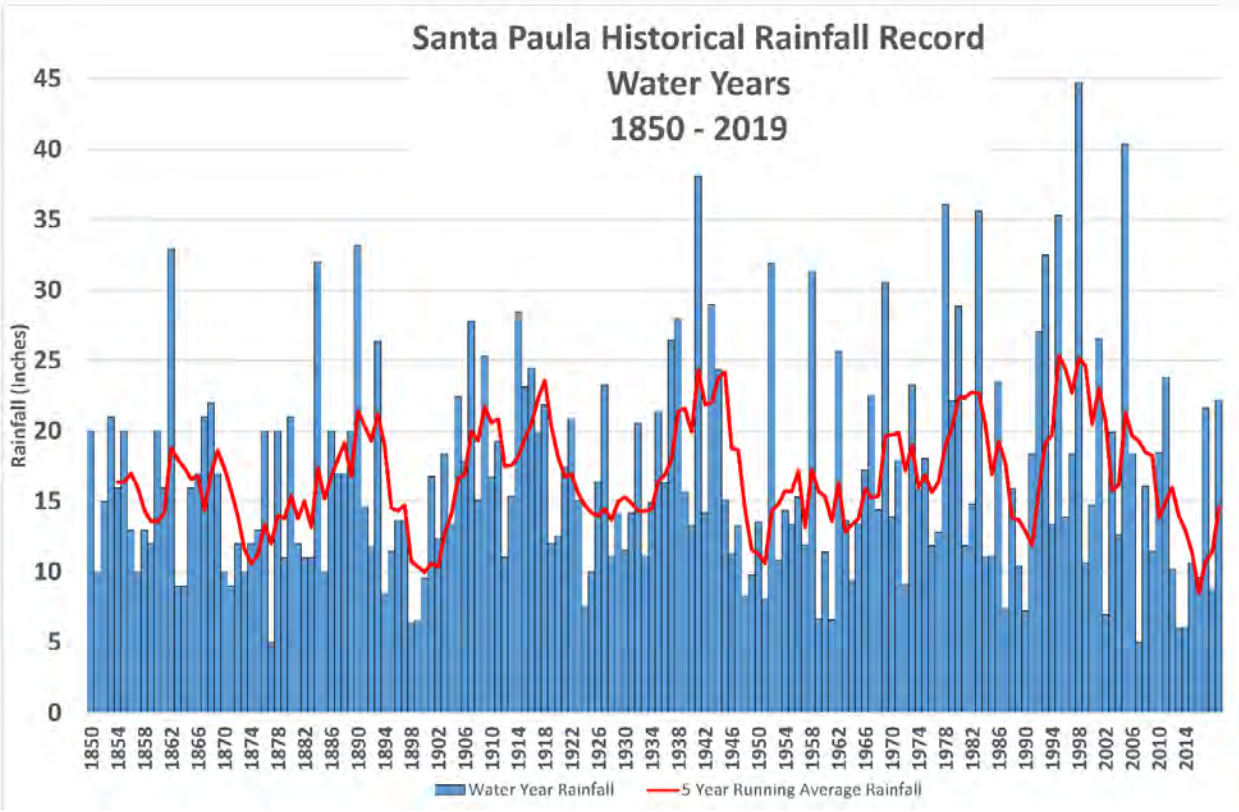

Figure 2-4. Santa Paula Annual Water Year (WY) Precipitation Totals (blue) and 5-year Moving Average (Red) from WY 1850 to 2019.

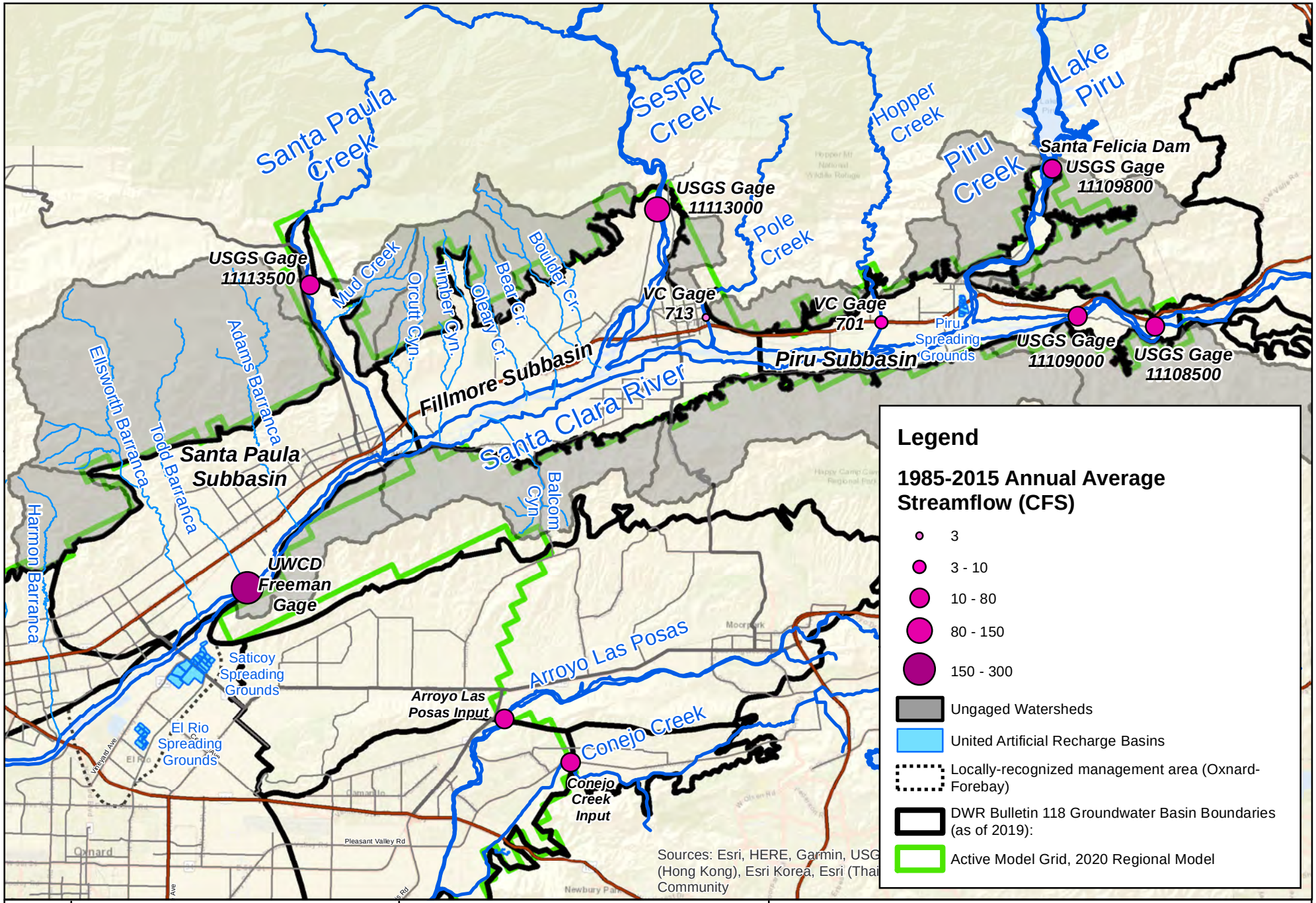

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Figure 2-5.
Surface Water Features -- Streamflow in Model Expansion Basins

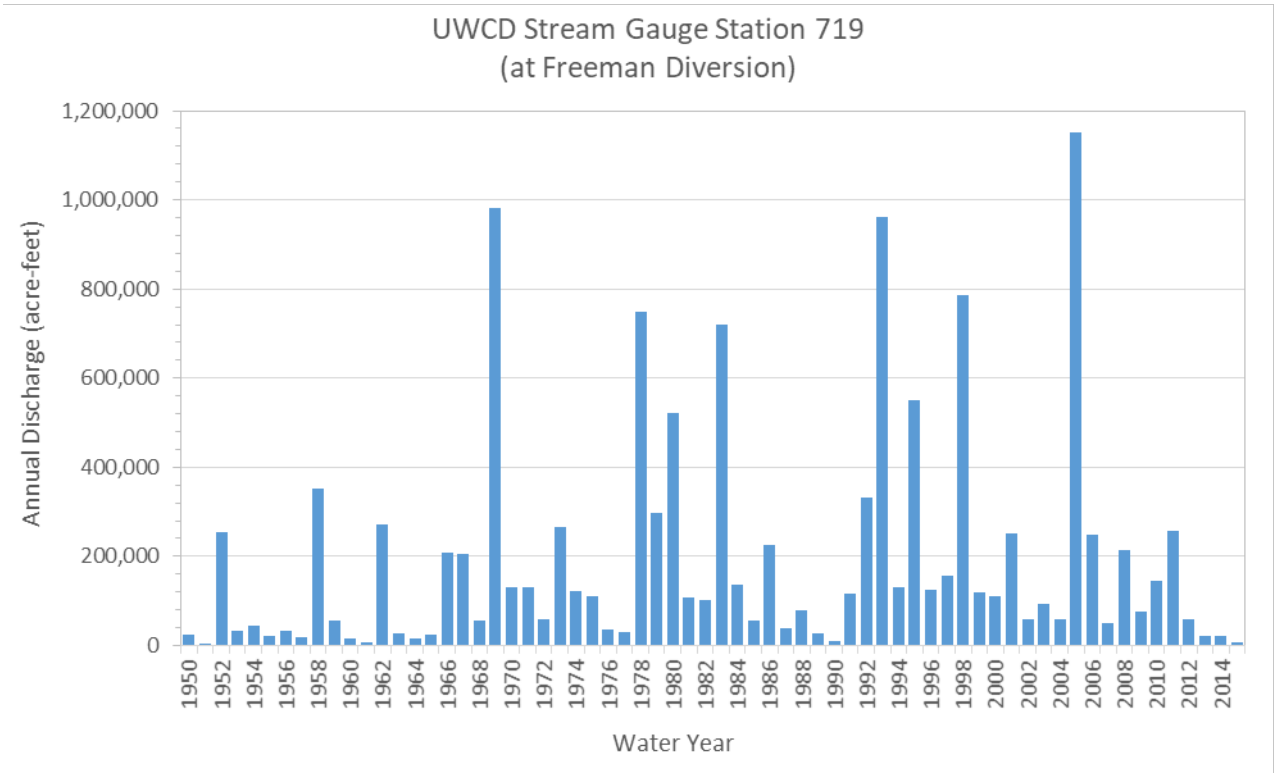

Figure 2-6. Annual Discharge in Santa Clara River at Freeman Diversion Water Years 1950-2015

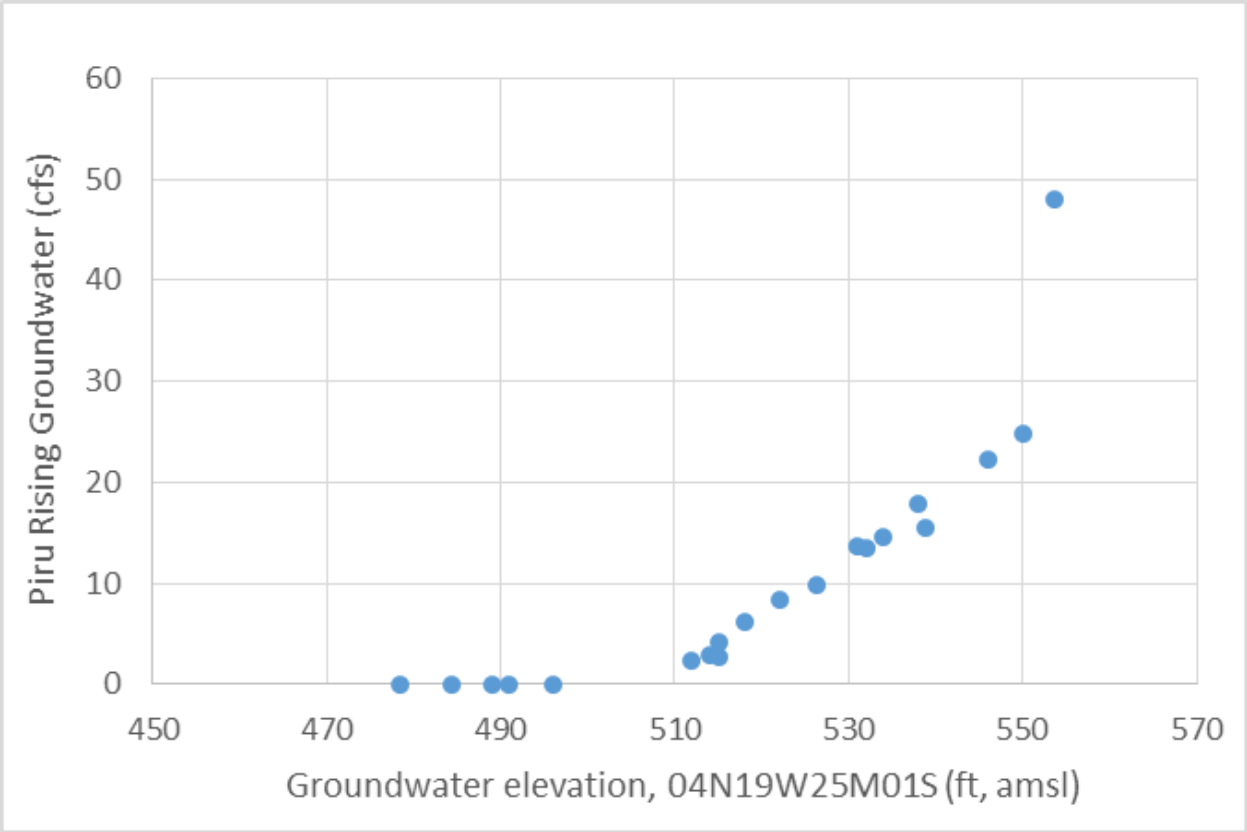

Figure 2-7. Observed Relationship Between Rising Groundwater at the Piru-Fillmore Basin Boundary and Groundwater Elevation in Piru Basin Well 04N19W25M01.

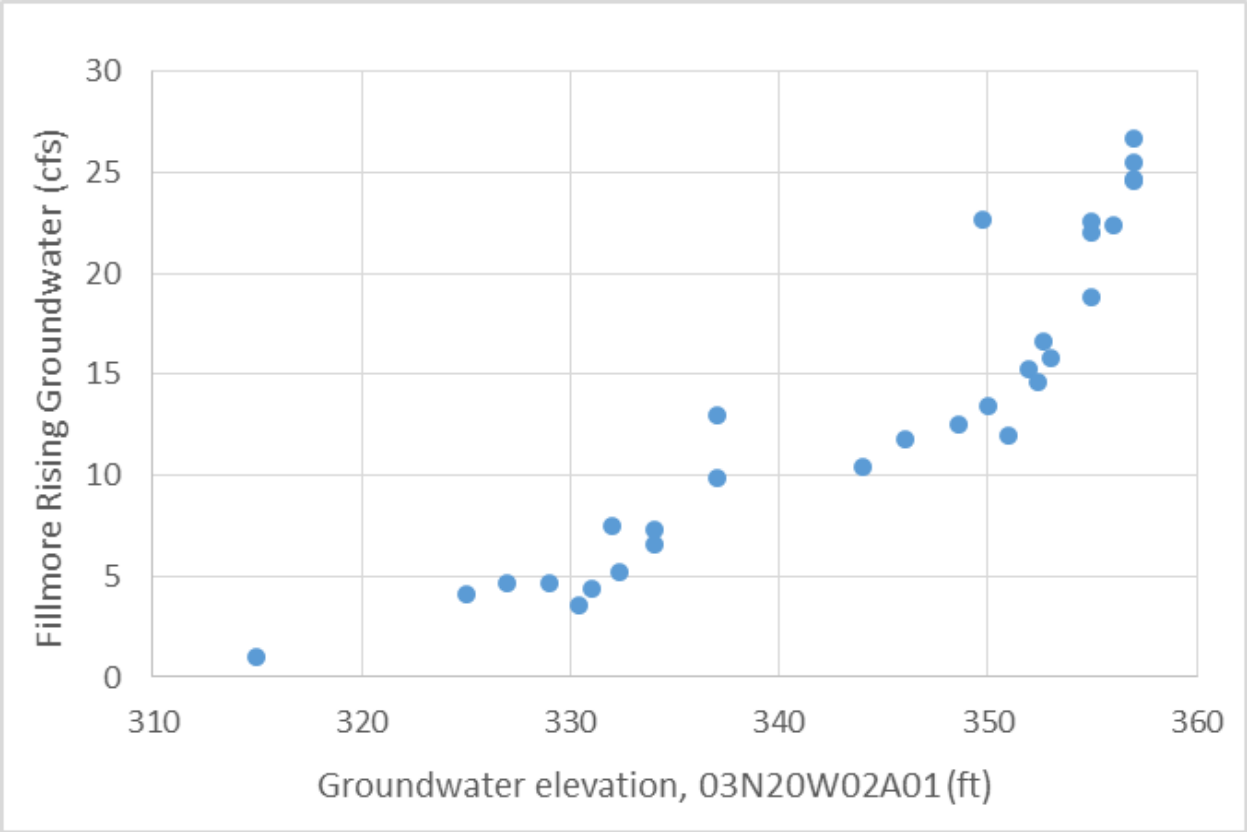

Figure 2-8. Observed Relationship Between Rising Groundwater at the Fillmore-Santa Paula Basin Boundary and Groundwater Elevation in Fillmore Basin Well 03N20W02A01.

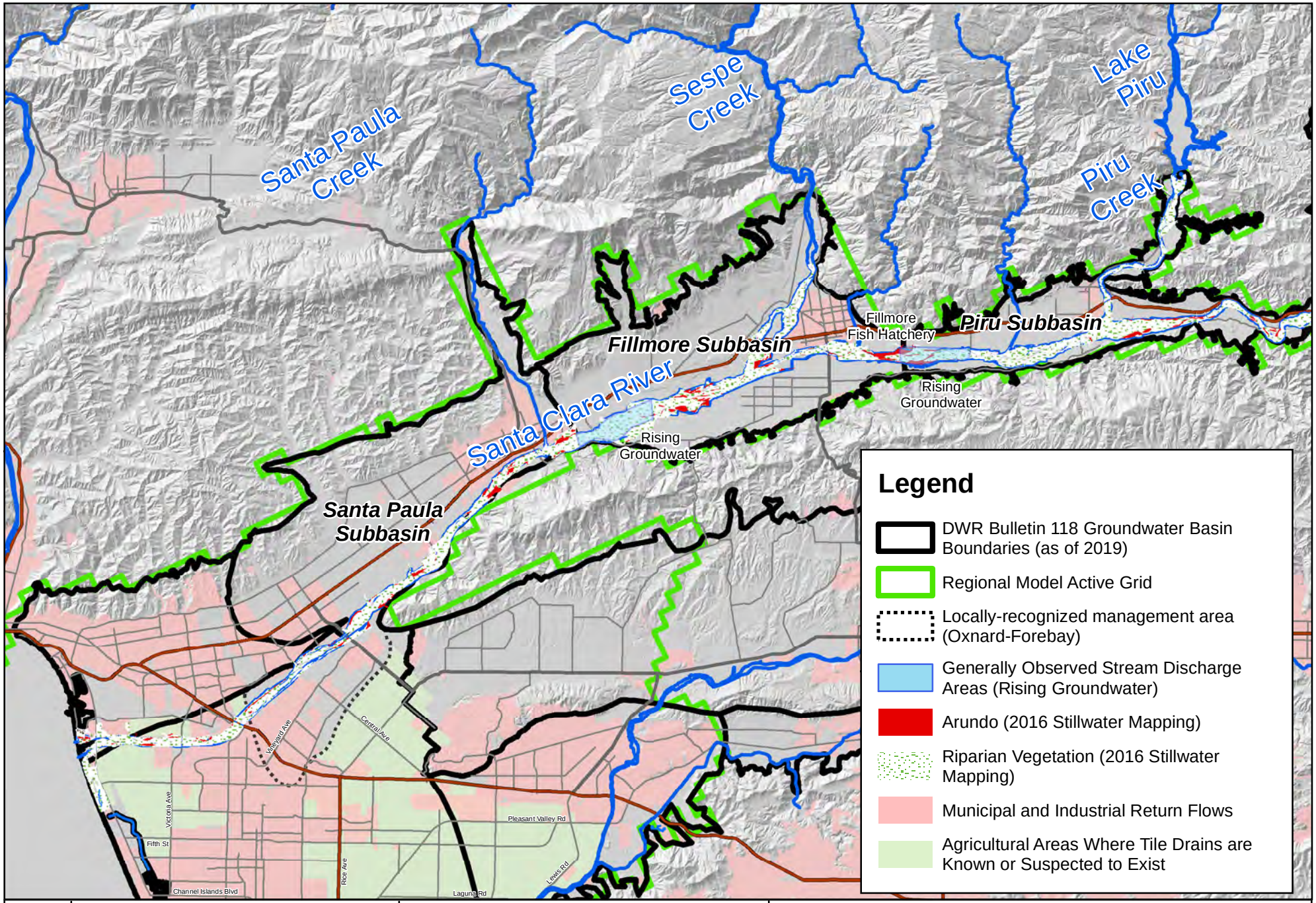

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Figure 2-9.
Areas of Groundwater Discharge in Model Expansion Basins

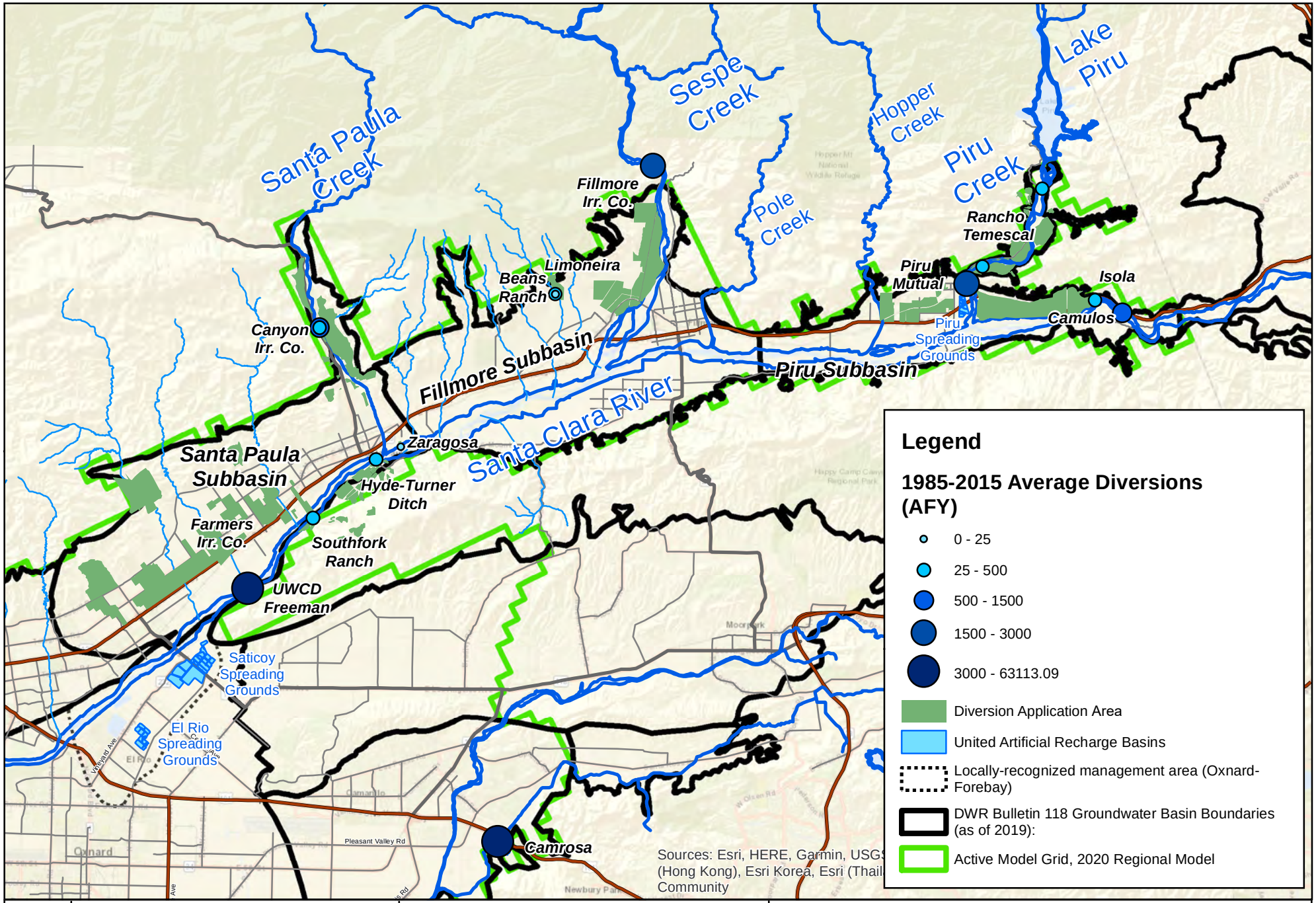

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Figure 2-10.
Surface Water Features -- Diversions in Model Expansion Basins

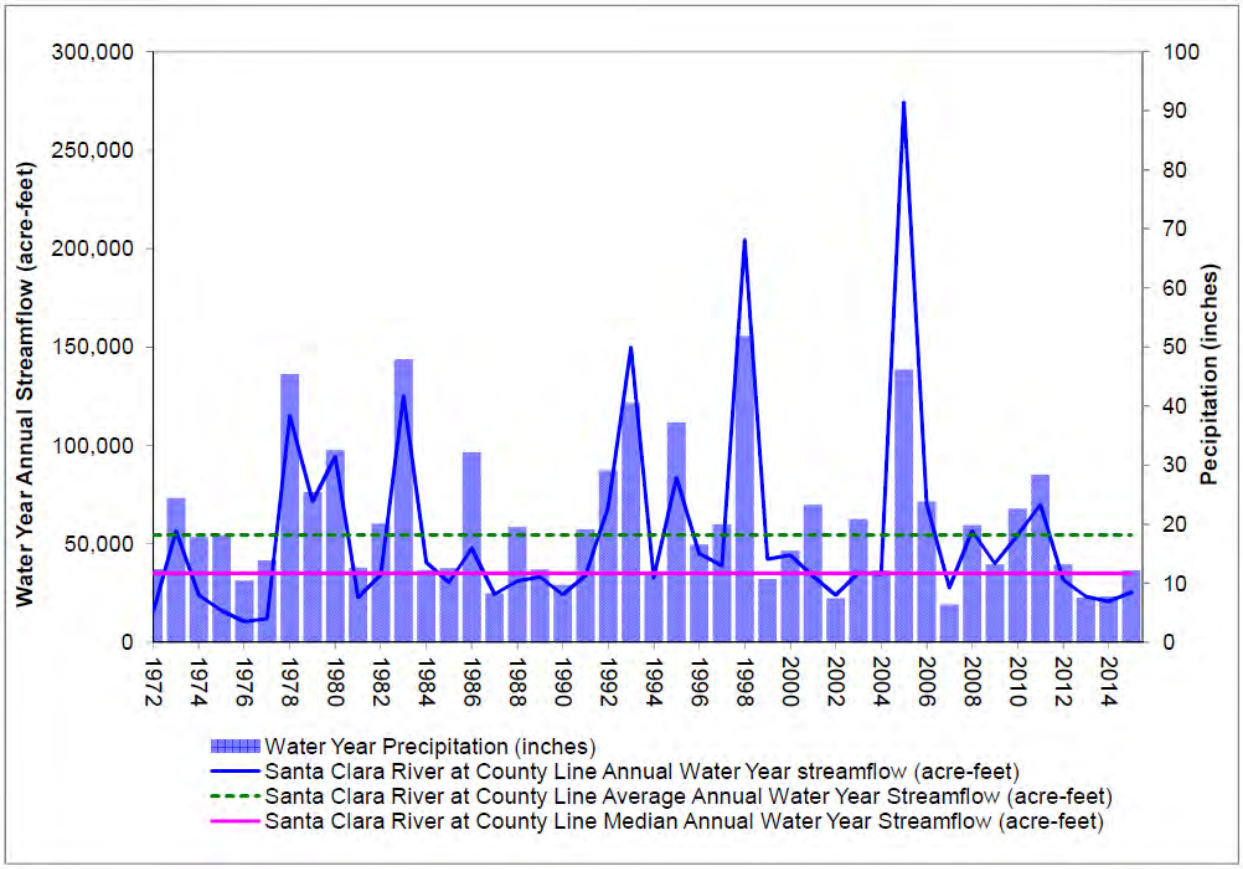

Figure 2-11. Santa Clara River Historical Annual Streamflow Near Ventura/L.A. Count Line and Piru Groundwater Basin Precipitation (streamflow data from USGS) (UWCD, 2016; Figure 10)

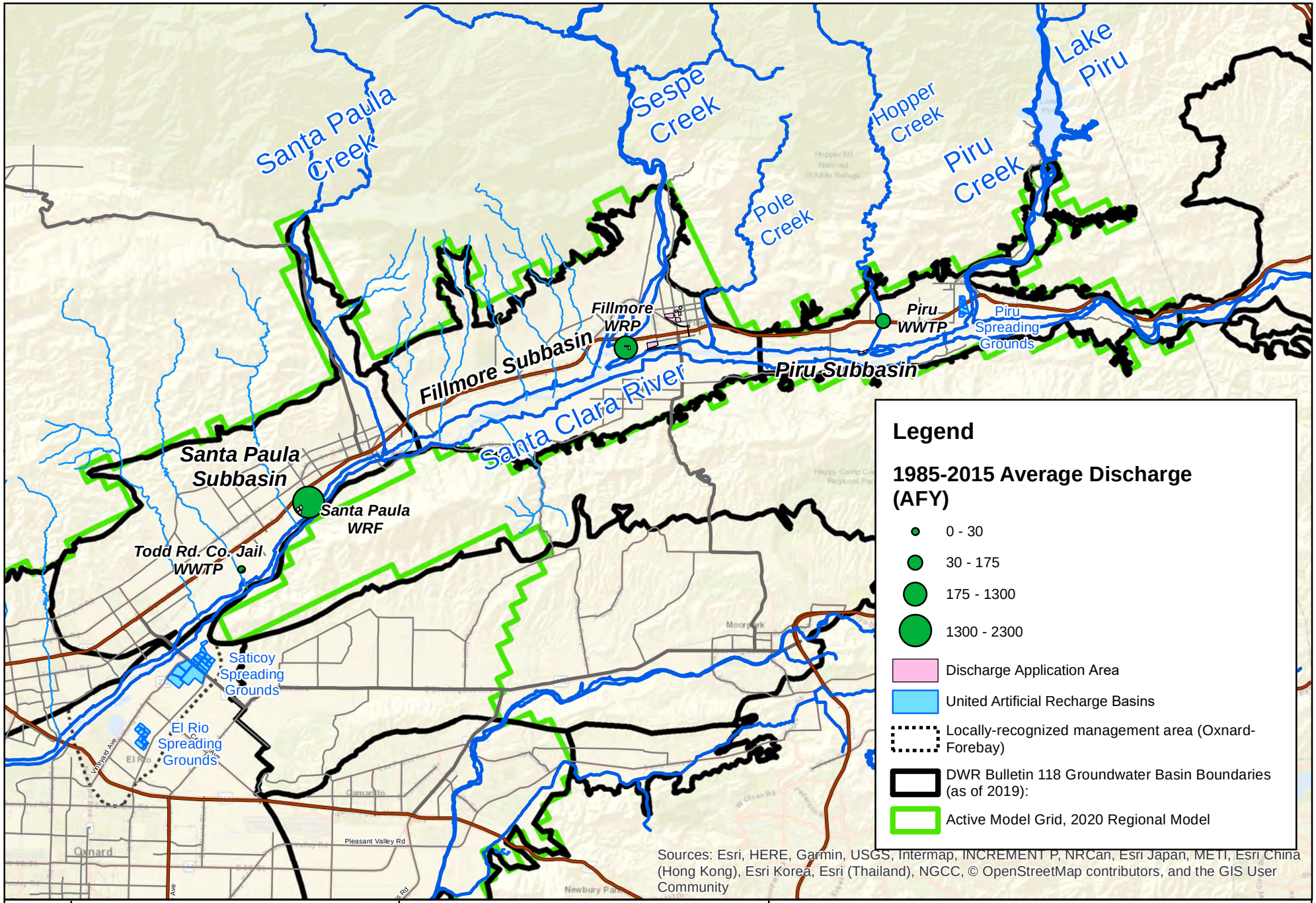

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Figure 2-12.
Surface Water Features -- Wastewater in Model Expansion Basins

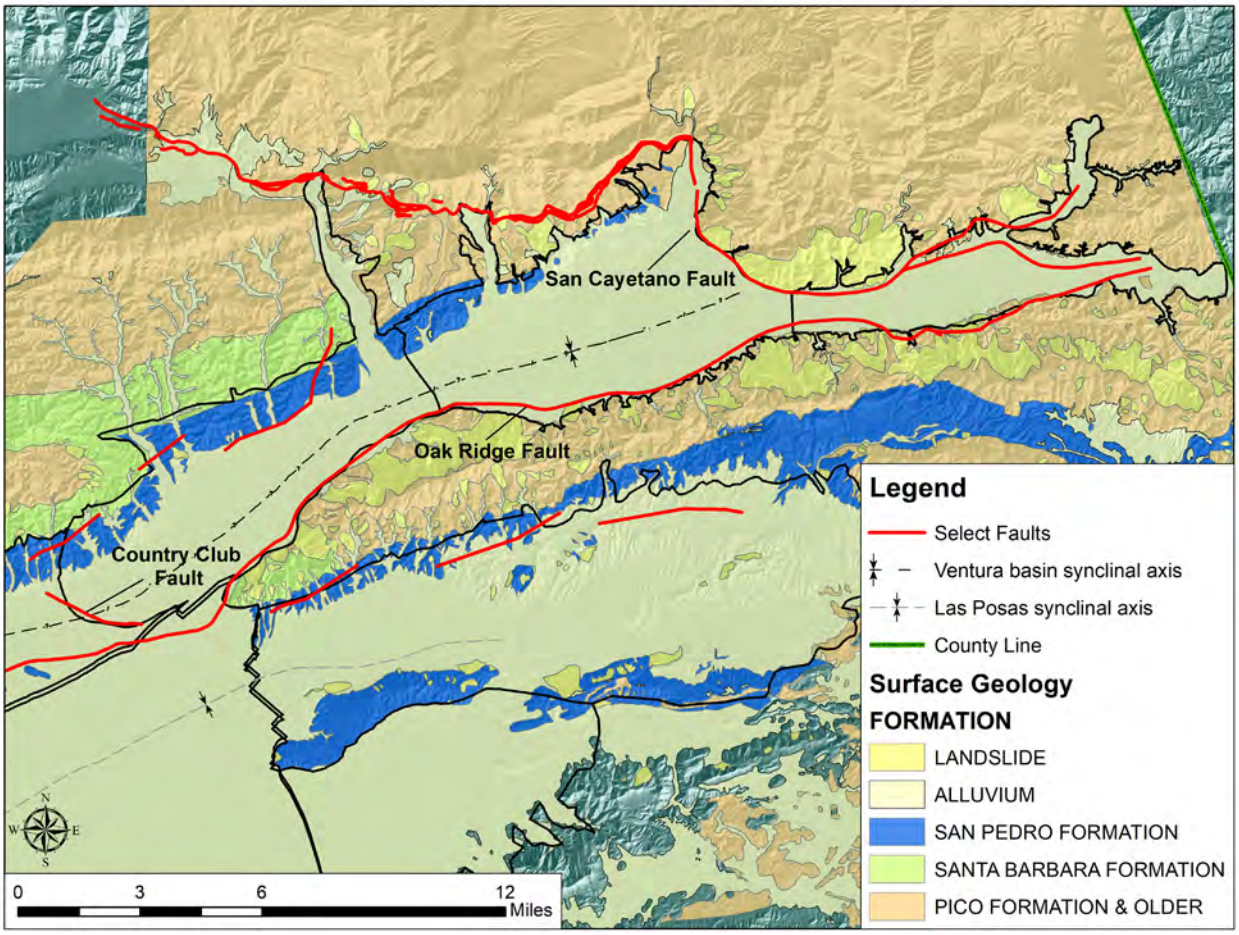

Figure 2-13. Model Expansion Basins Surface Geology Map with Select Faults and Synclinal Axis; Fault locations may be concealed or inferred.

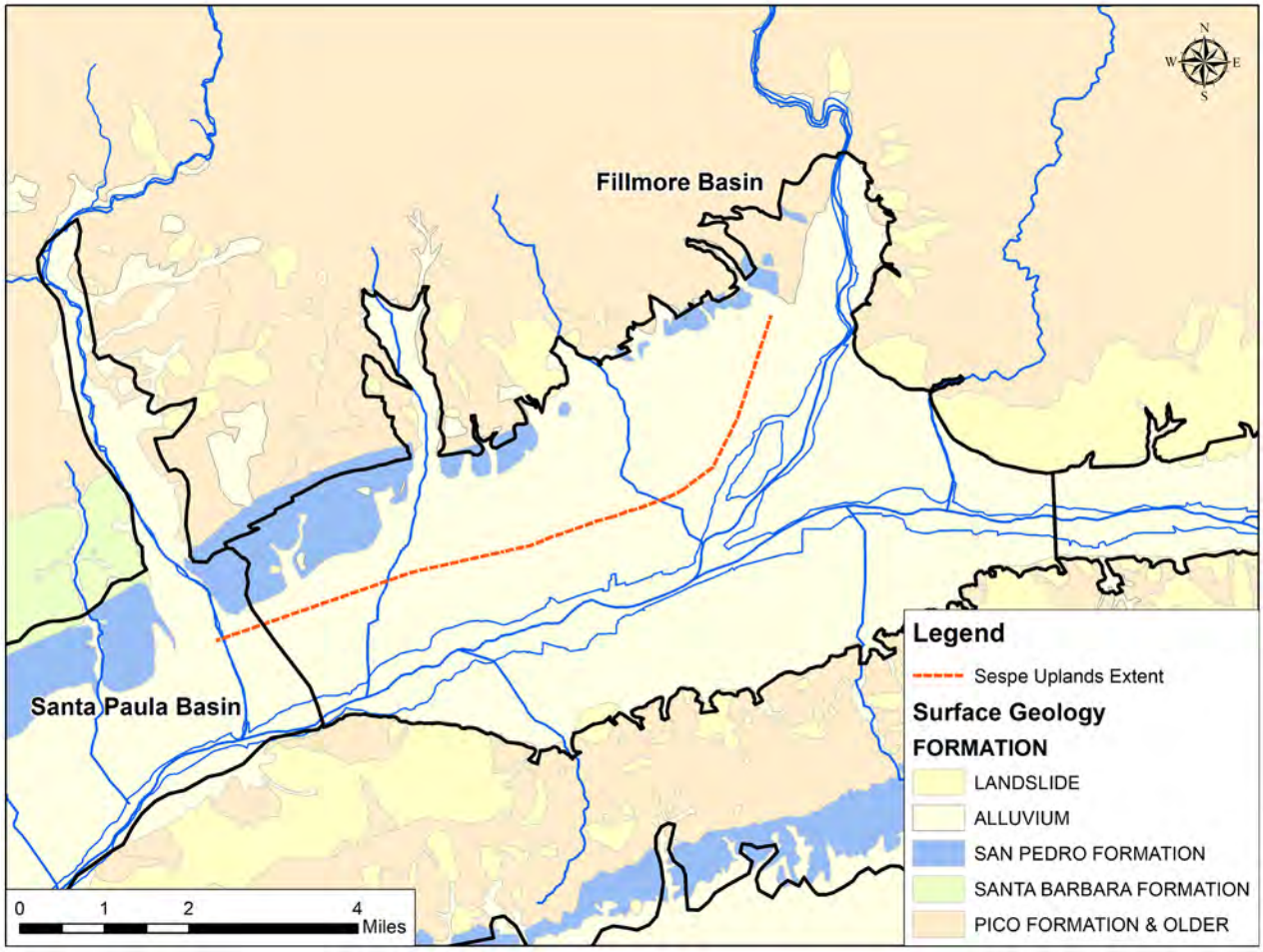

Figure 2-14. Approximate Extent of Sespe Upland .

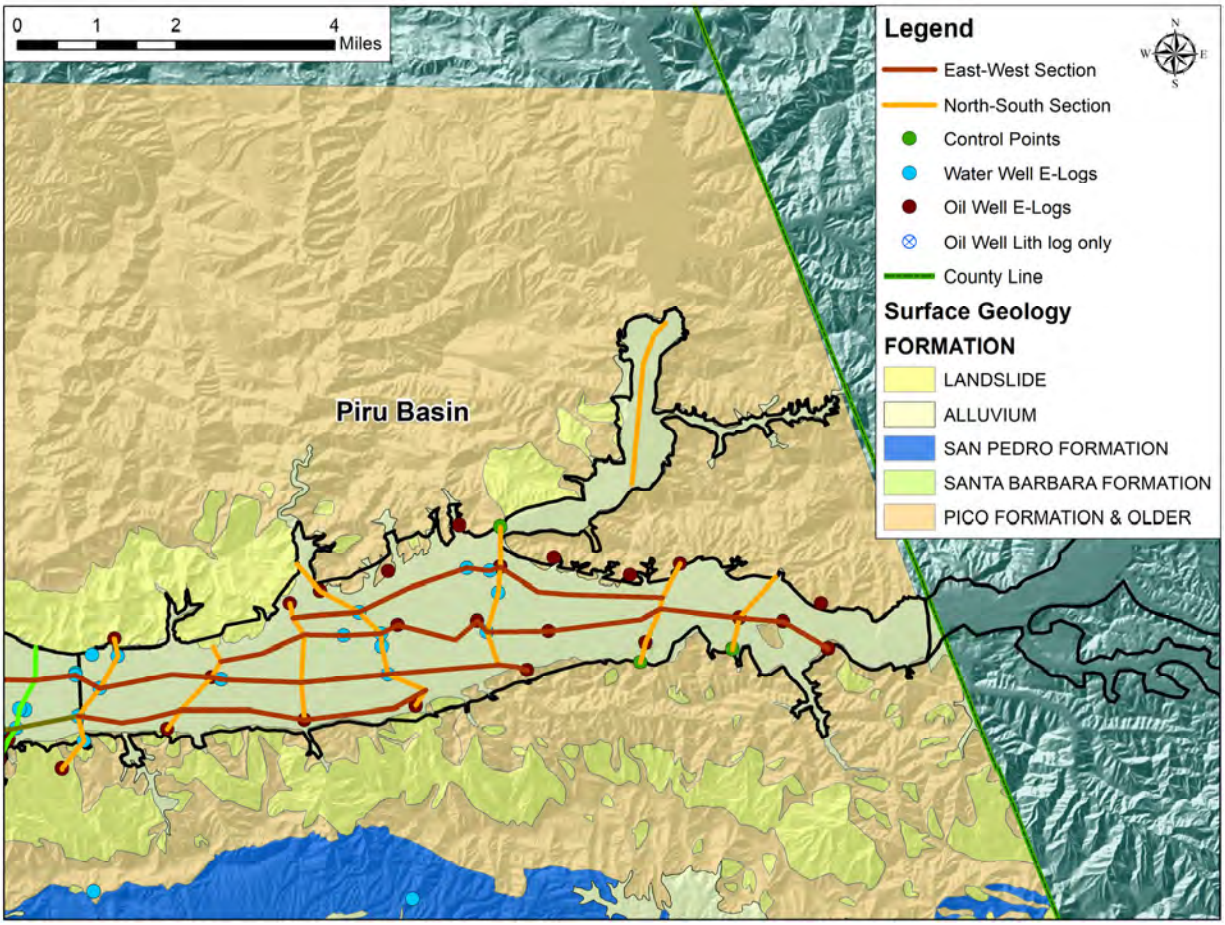

Figure 2-15. Piru Basin Stratigraphic Section Locations.

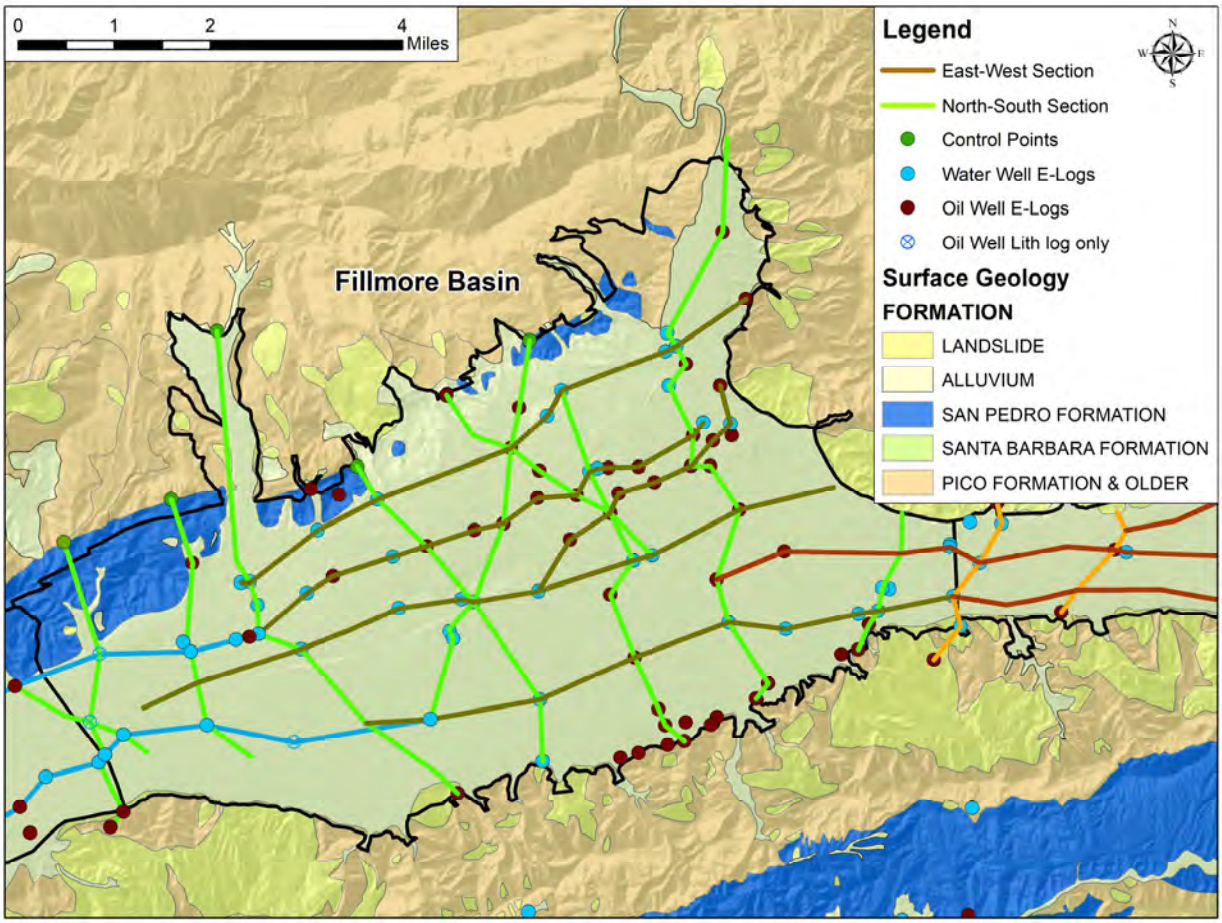

Figure 2-16. Fillmore Basin Stratigraphic Section Locations.

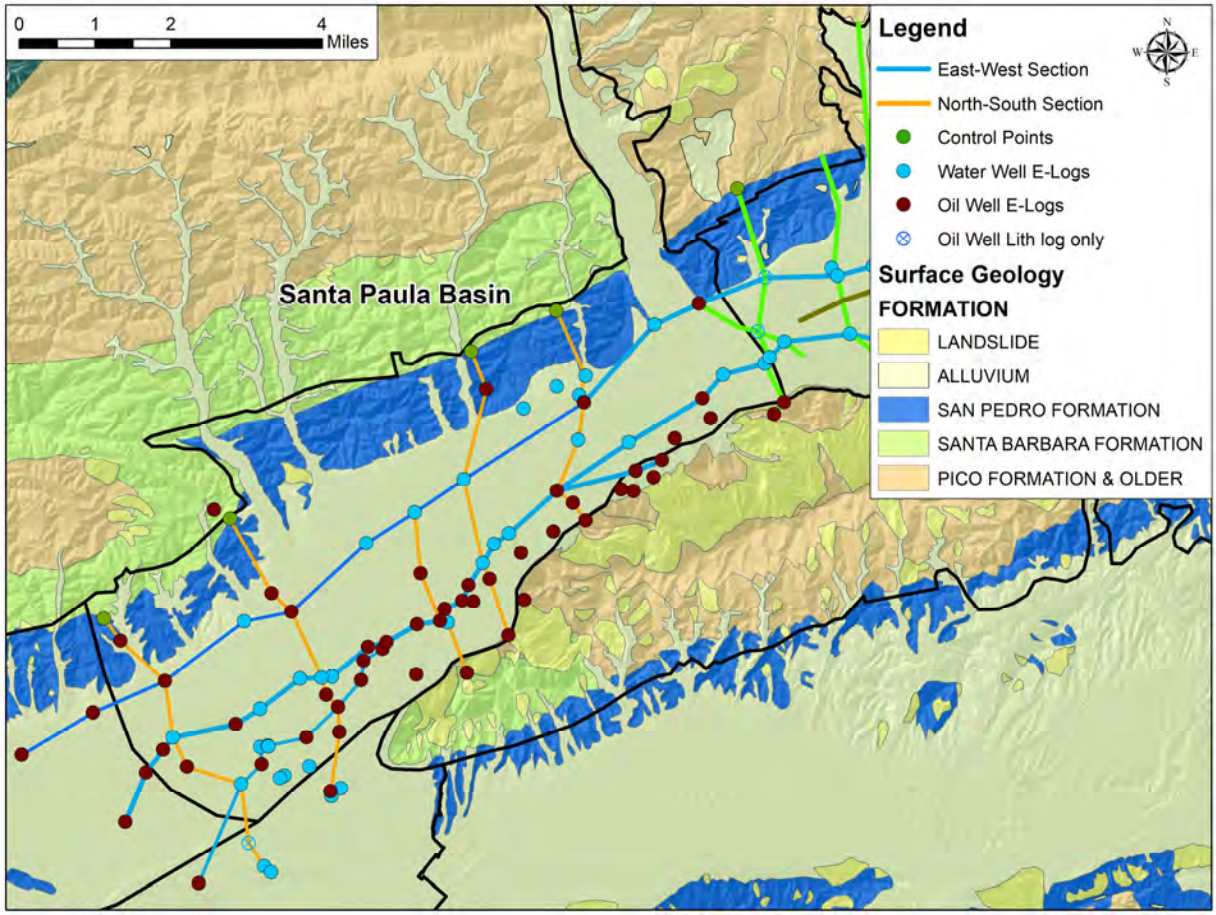

Figure 2-17. Santa Paula Stratigraphic Section Locations.

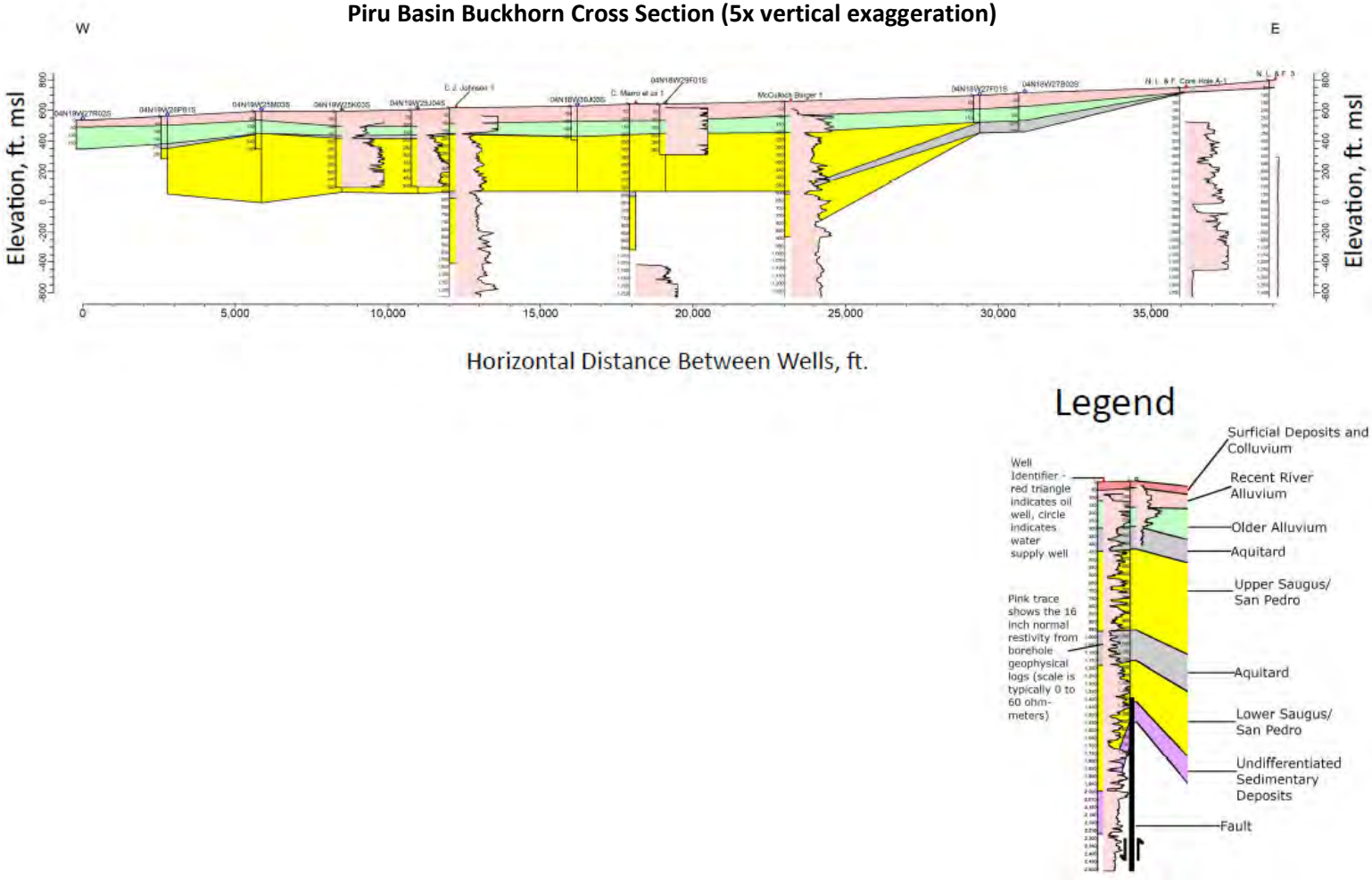

Figure 2-18. Piru Basin East-West Section.

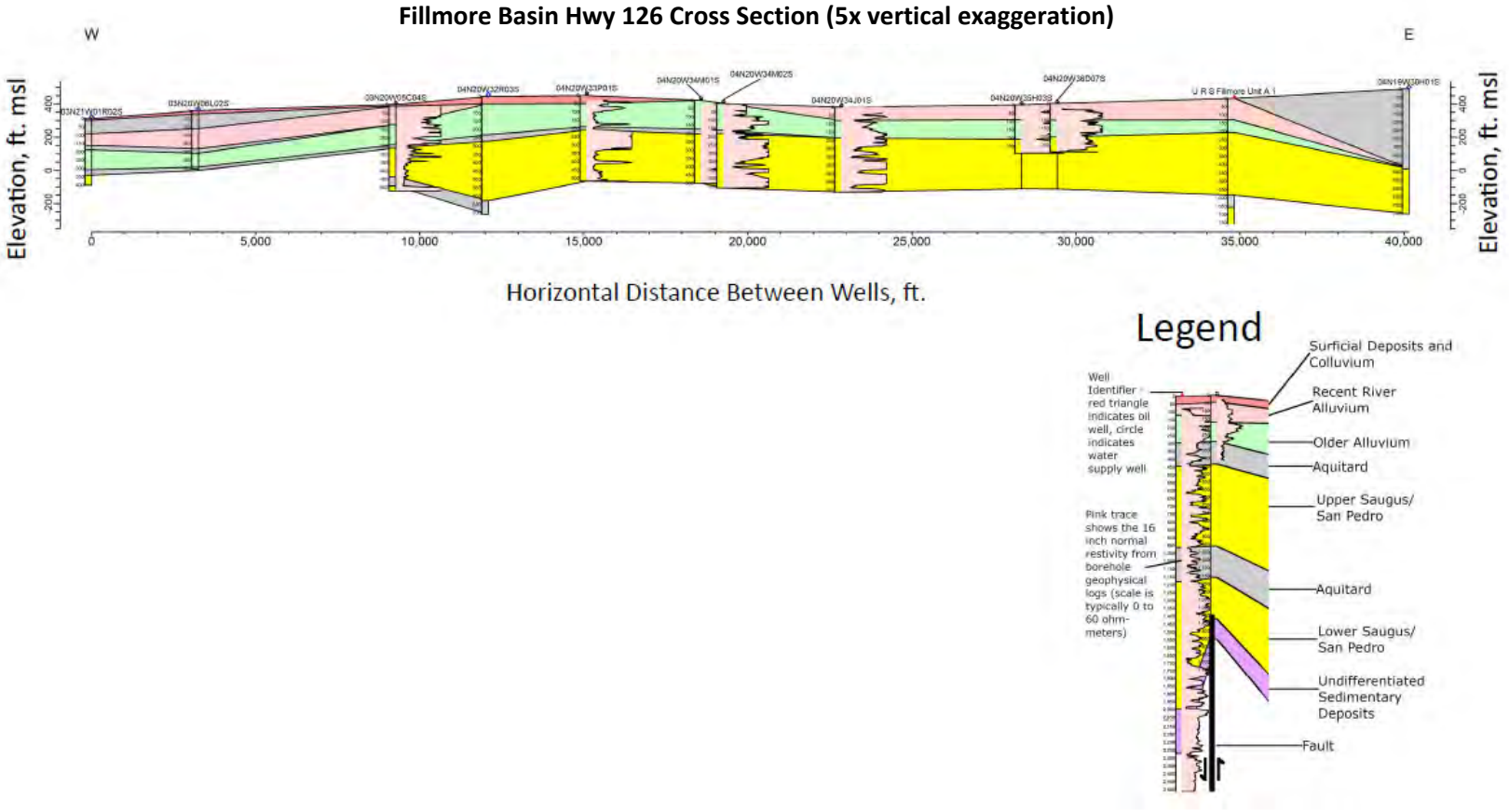

Figure 2-19. **Fillmore Basin East-West Section.**

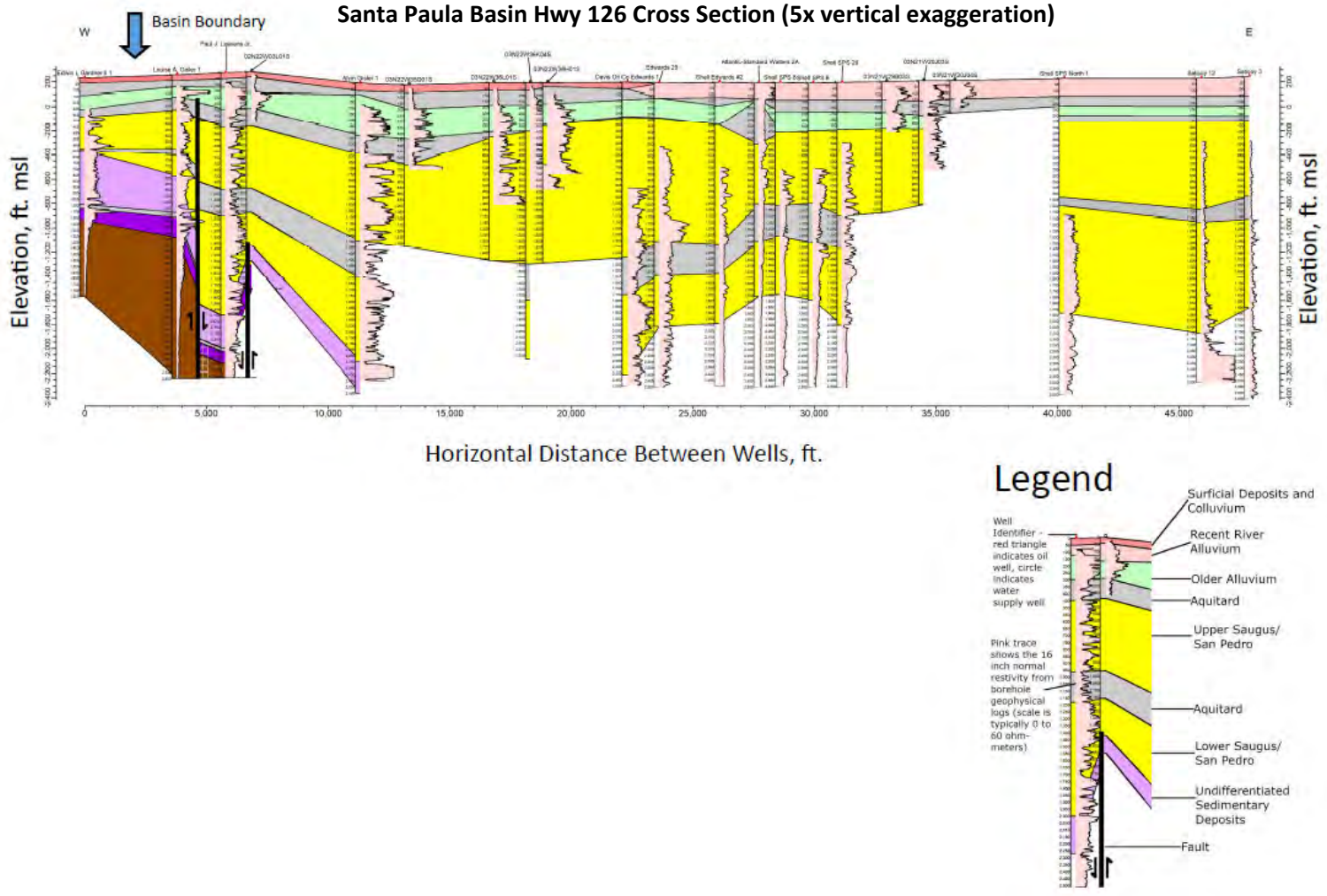

Figure 2-20. Santa Paula Basin East-West Section Showing Approximate Fault Locations and Offset.

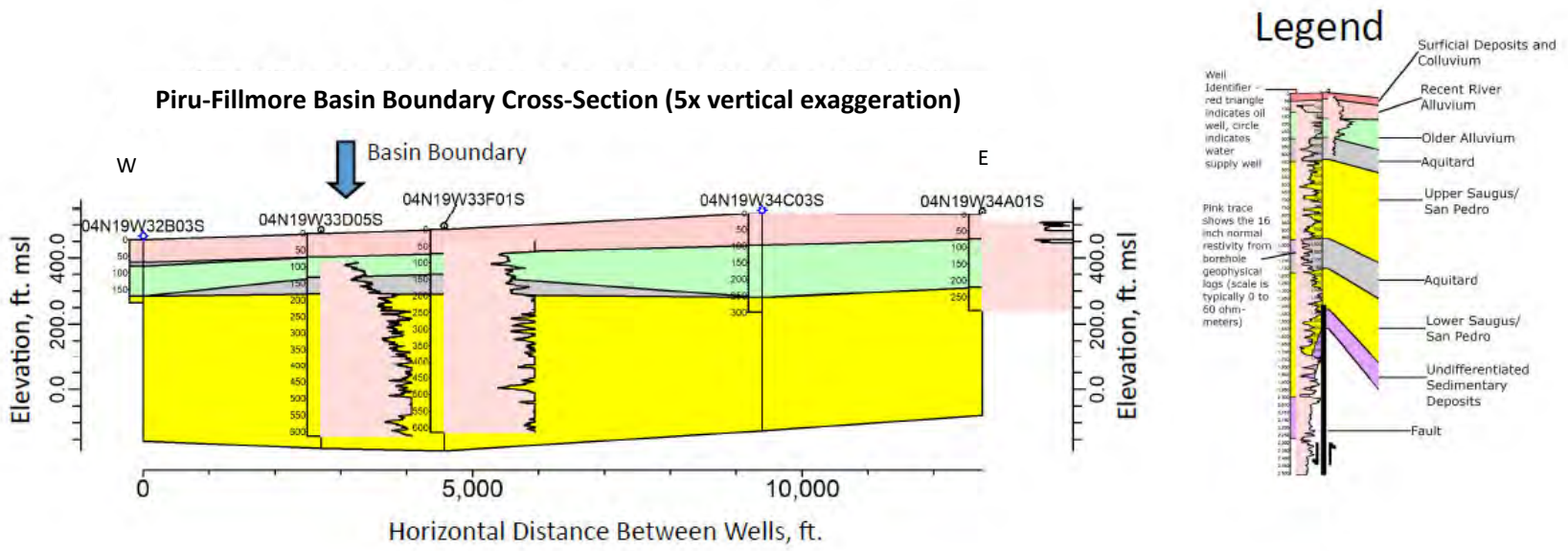

Figure 2-21. Piru-Fillmore Basin Boundary Area of Rising Groundwater.

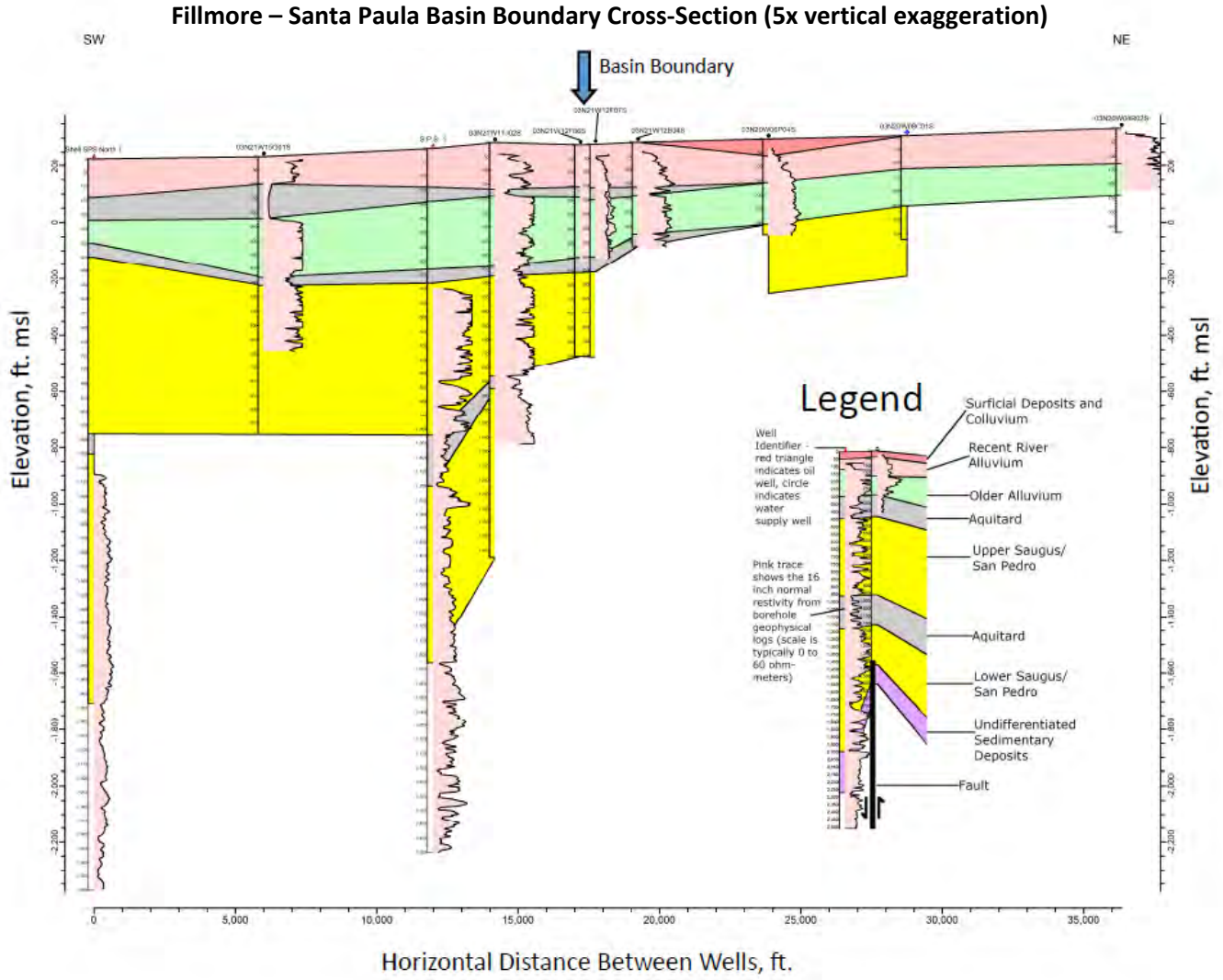

Figure 2-22. Fillmore-Santa Paula Basin Boundary Area of Rising Groundwater.

Piru, Fillmore, and Santa Paula Basins (Model Expansion Basins)

Aquifer System	Hydrostratigraphic Unit	Model Layer
A	Surficial Deposits and Colluvium	1
	Aquitard	2
	Recent (younger) Alluvium	3
B	Aquitard	4
	Older Alluvium	5
	Aquitard	6
	Upper Saugus/San Pedro	7
C	Aquitard	8
	Lower Saugus/San Pedro	9
	Undifferentiated Sedimentary Deposits	10

Mound Basin

Aquifer System	Hydrostratigraphic Unit	Model Layer
Shallow	Ground Surface to the bottom of Semi-Perched Aquifer	1
UAS	Aquitard	2
		3
		4
	Mugu Aquifer	5
LAS	Mugu-Hueneme Aquitard	6
	Hueneme Aquifer	7
	Hueneme-Fox Canyon Aquitard	8
	Fox Canyon Aquifer - upper	9
	Fox Canyon upper - basal Aquitard	10
	Fox Canyon Aquifer - basal	11

Oxnard, Pleasant Valley, West Las Posas*

Aquifer System	Hydrostratigraphic Unit	Model Layer
Shallow	Ground Surface to the bottom of Semi-Perched Aquifer	1
UAS	Semi Perched-Oxnard Aquitard	2
	Oxnard Aquifer	3
	Oxnard-Mugu Aquitard	4
	Mugu Aquifer	5
LAS	Mugu-Hueneme Aquitard	6
	Hueneme Aquifer	7
	Hueneme-Fox Canyon Aquitard	8
	Fox Canyon Aquifer - upper	9
	Fox Canyon upper - basal Aquitard	10
	Fox Canyon Aquifer - basal	11
	Santa Barbara and/or other Formation - upper	12
	Grimes Canyon Aquifer	13

*Shallow and UAS combined in West Las Posas

Figure 2-23. Conceptual Diagrams Illustrating Relationships Between Model Layers and Hydrostratigraphic Units.

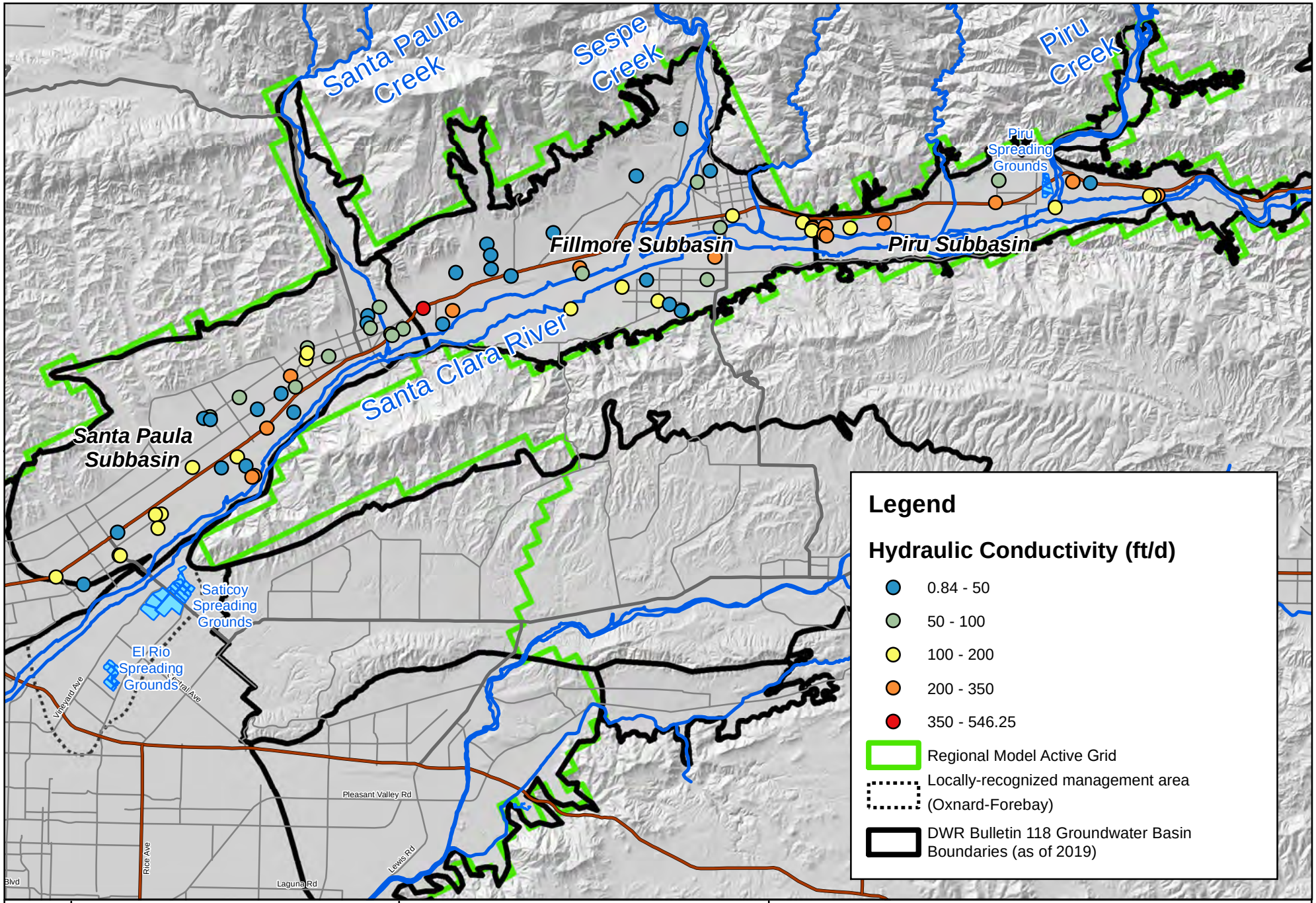

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Figure 2-24.
Horizontal Hydraulic Conductivity Estimates from Specific Capacity Data

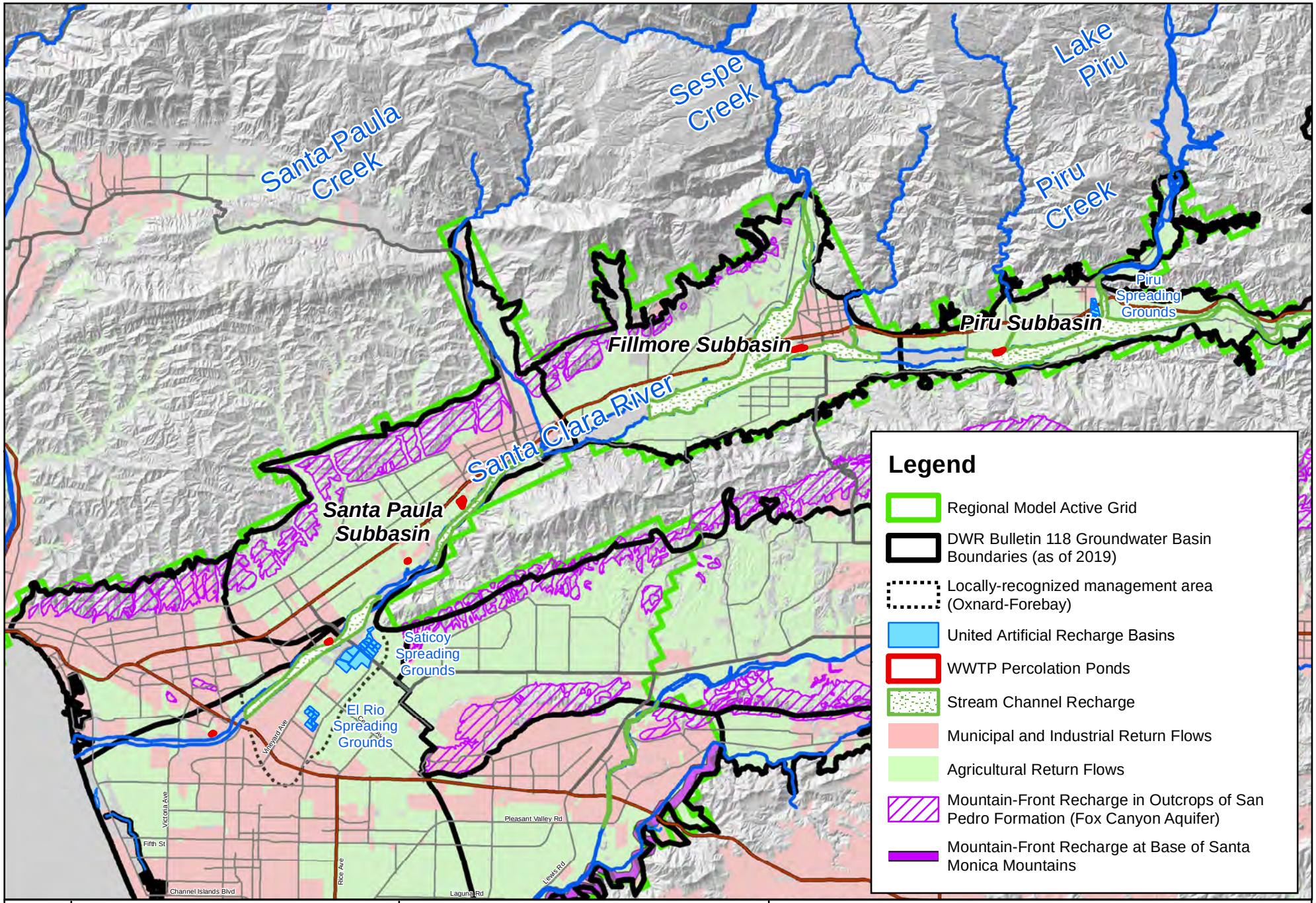

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Figure 2-25.
Areas of Groundwater Recharge in Model Expansion Basins

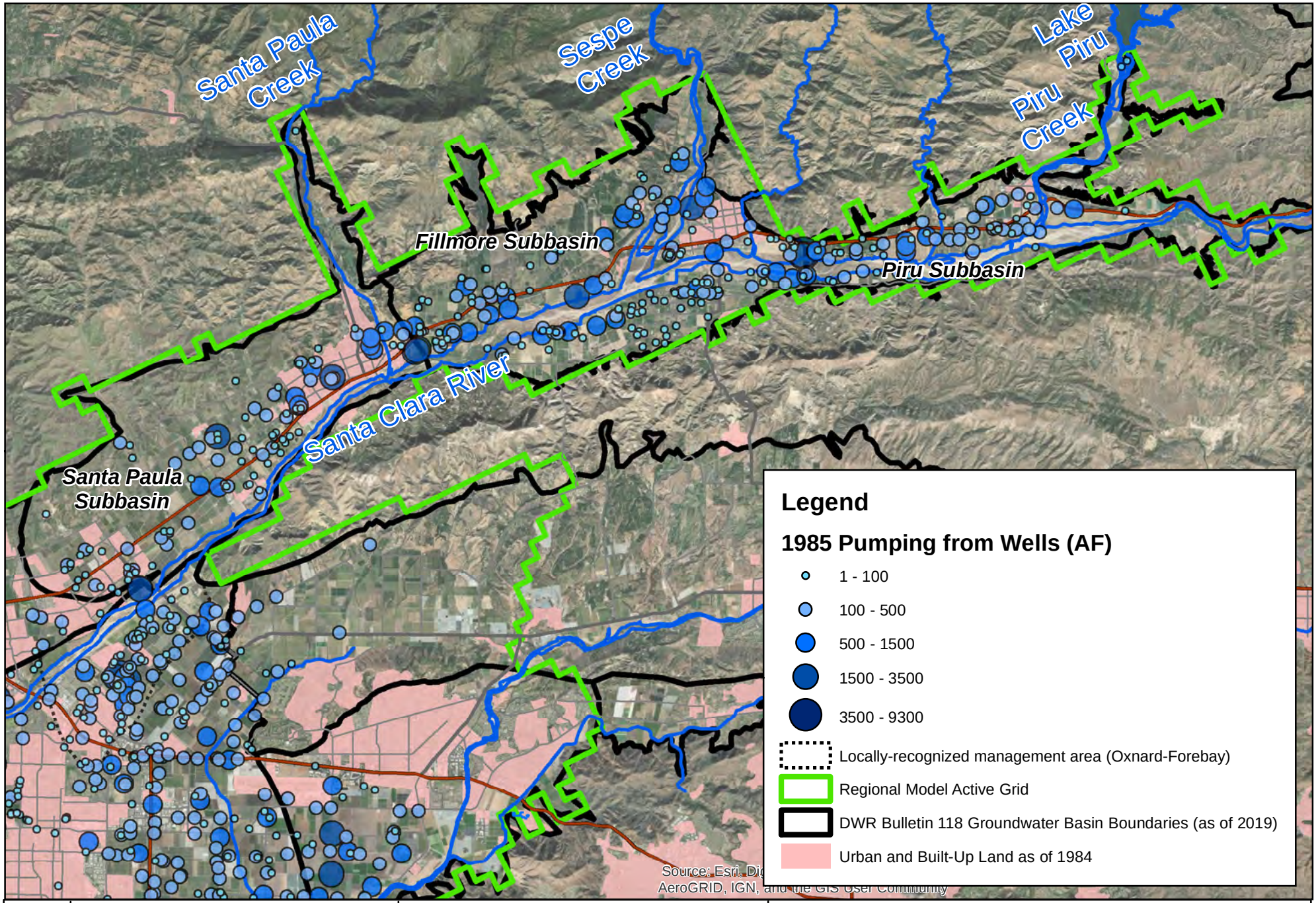

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Figure 2-26.
Locations of Groundwater Extractions
Calendar Year 1985

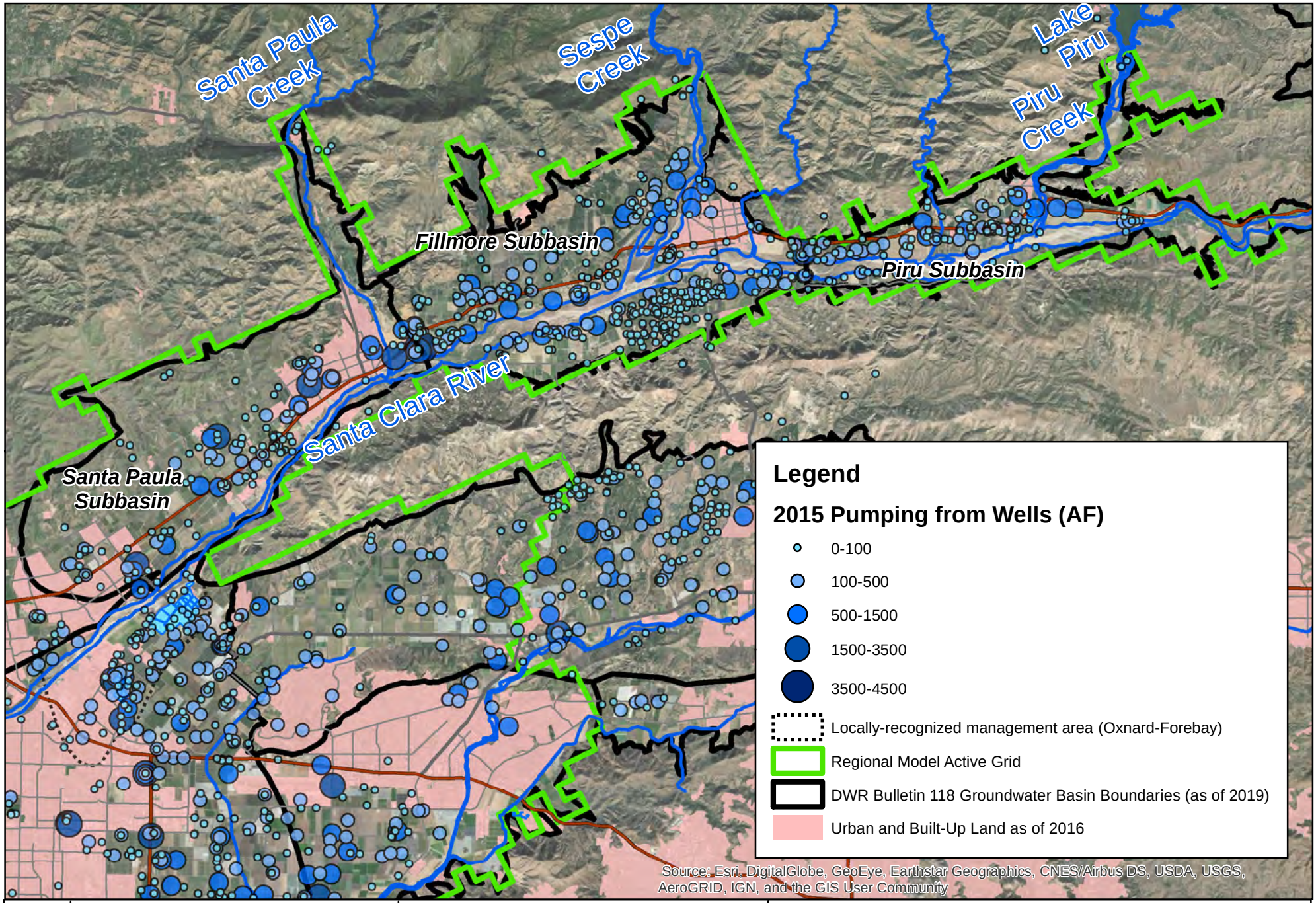

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Figure 2-27.
Locations of Groundwater Extractions
Calendar Year 2015

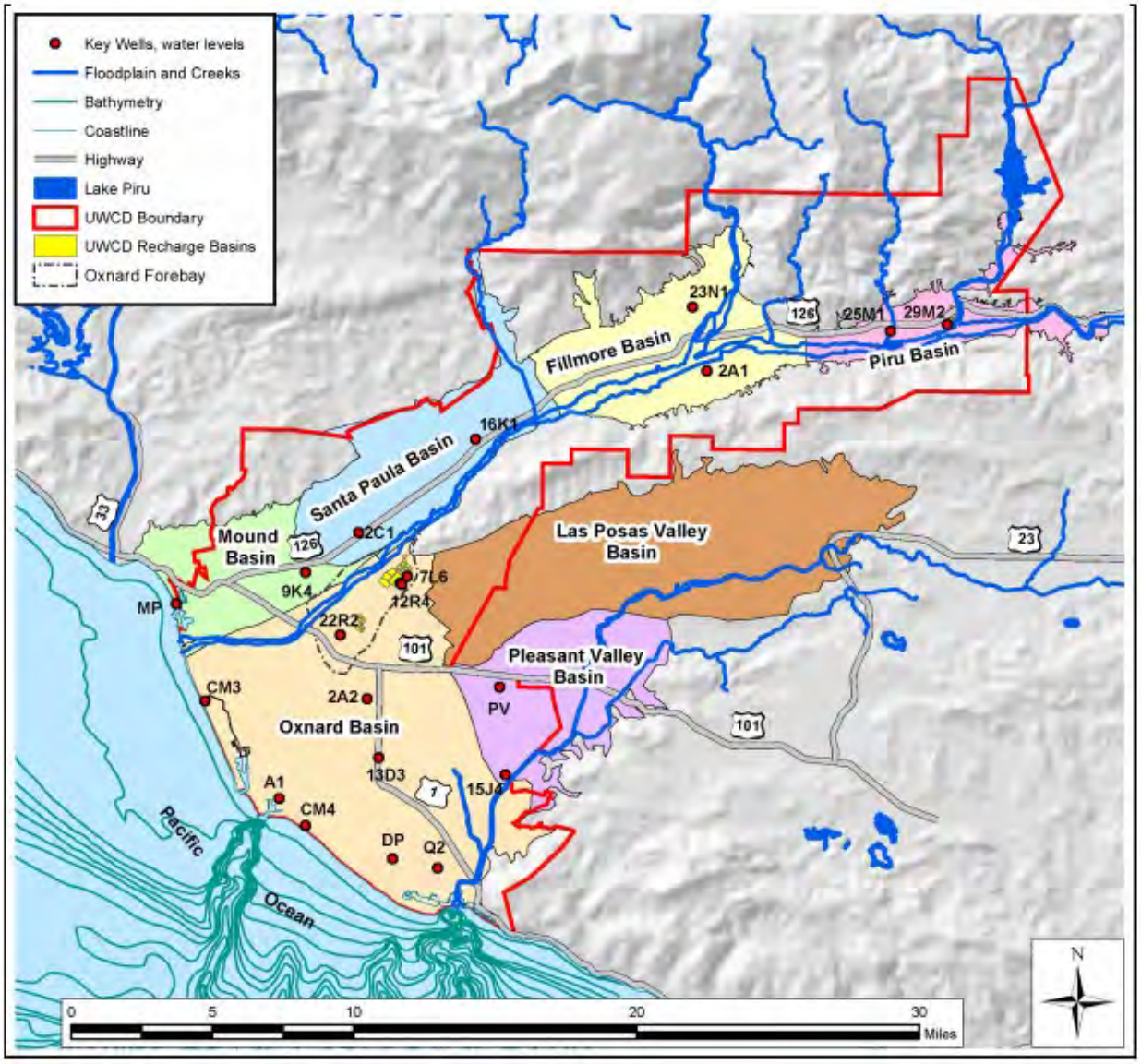

Figure 2-28. Location of Key Groundwater Monitoring Wells.

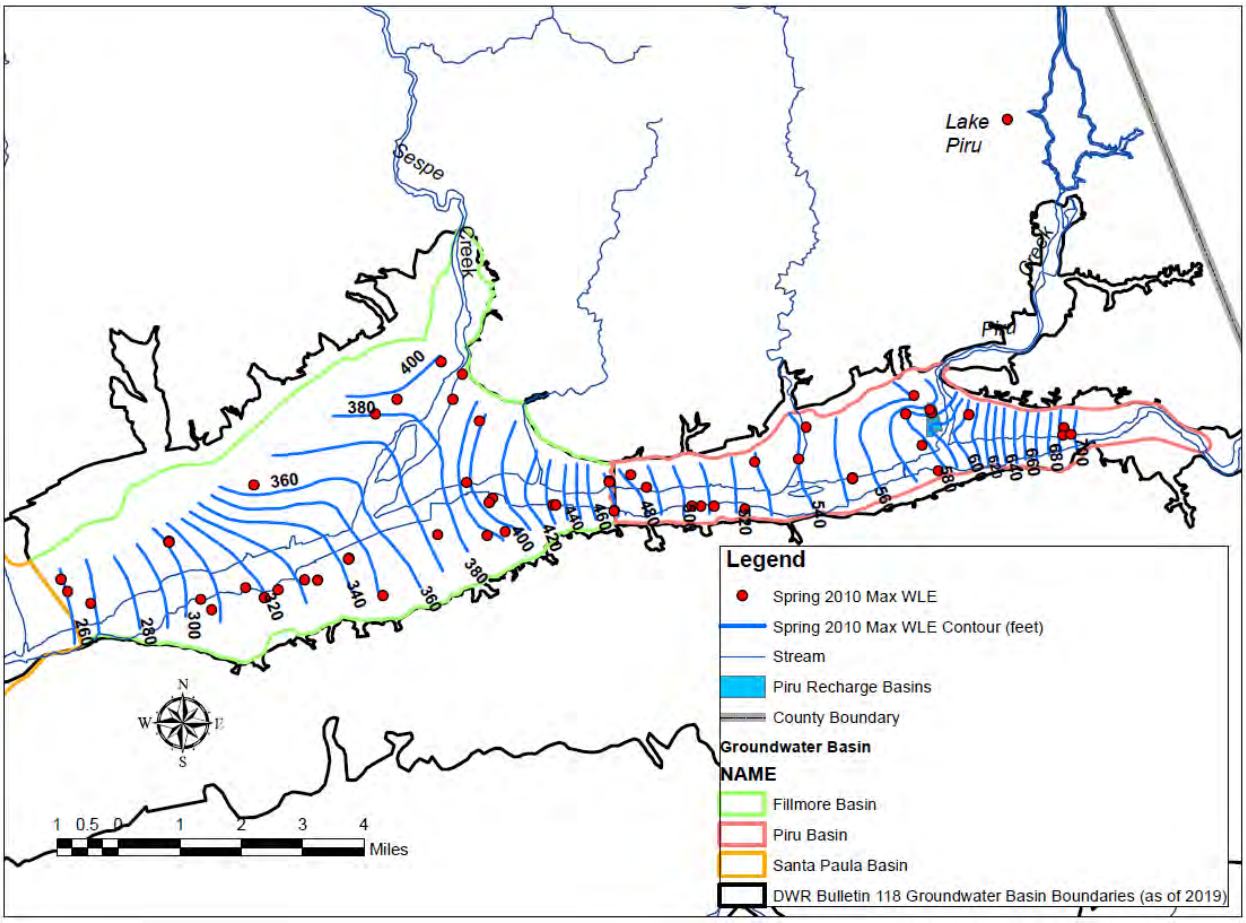

Figure 2-29. Spring 2010 Groundwater Elevation Contours for Piru and Fillmore Basins (United, 2013; Figure 20) Note: Historical GW basin boundaries that were representative in source report are included in addition to the updated DWR (2019) basin boundaries.

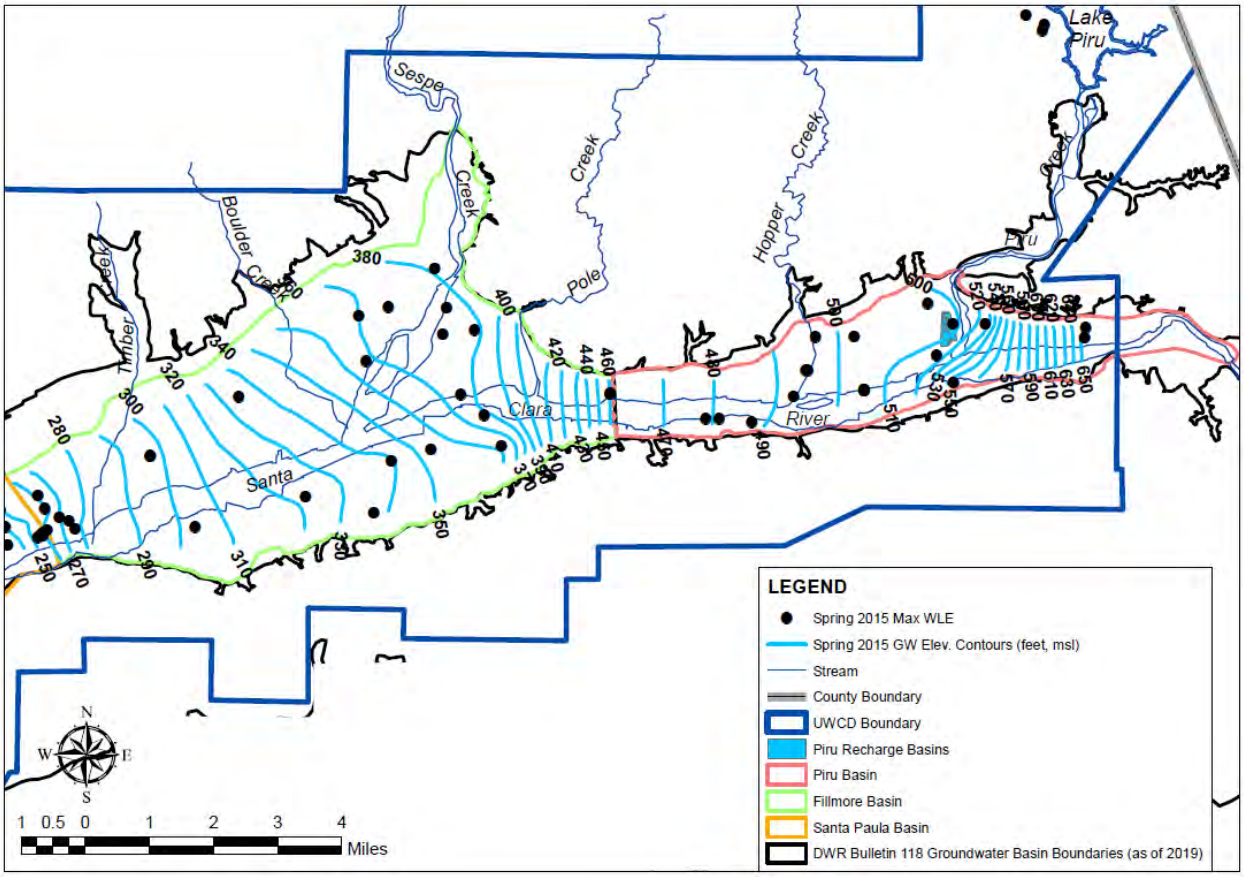

Figure 2-30. Spring 2015 Groundwater Elevation Contours for Piru and Fillmore Basins (United, 2016; Figure 5) Note: Historical GW basin boundaries that were representative in source report are included in addition to the updated DWR (2019) basin boundaries.

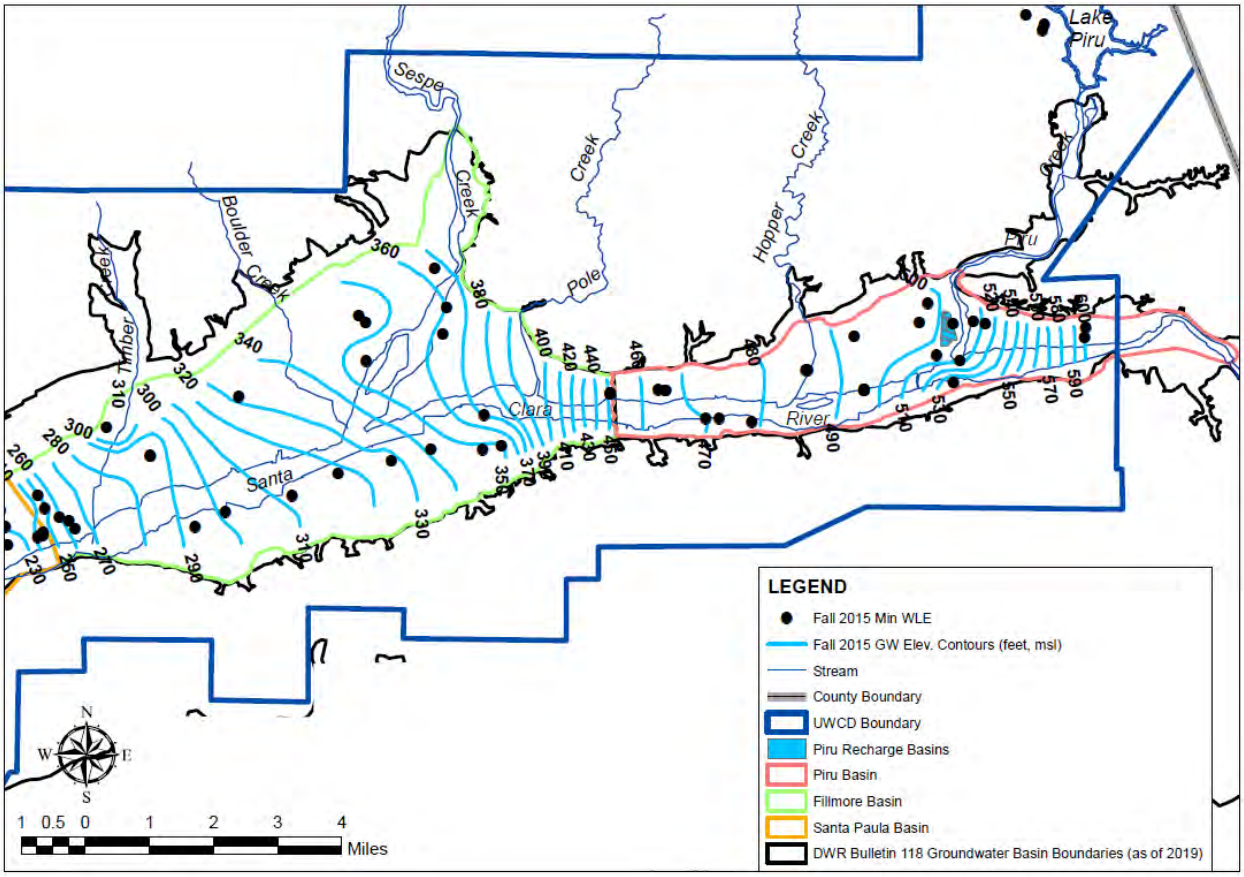

Figure 2-31. Fall 2015 Groundwater Elevation Contours for Piru and Fillmore Basins (United, 2016; Figure 6). Note: Historical GW basin boundaries that were representative in source report are included in addition to the updated DWR (2019) basin boundaries.

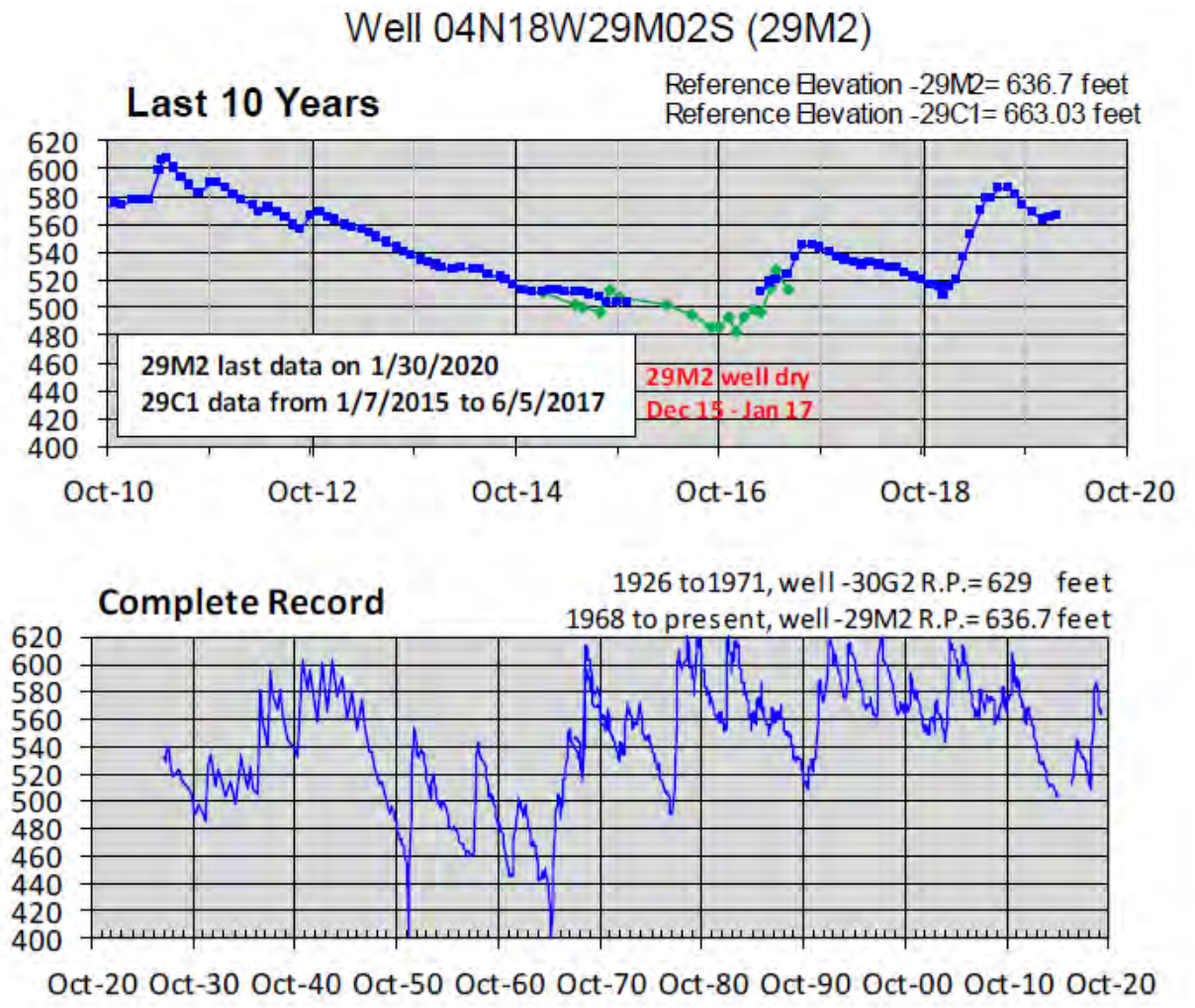

Figure 2-32. Piru Basin Key Well 29M2 (04N18W29M02S) Time-Series for the Last 10 Years and for the Complete Record (United, 2020; Page 4)

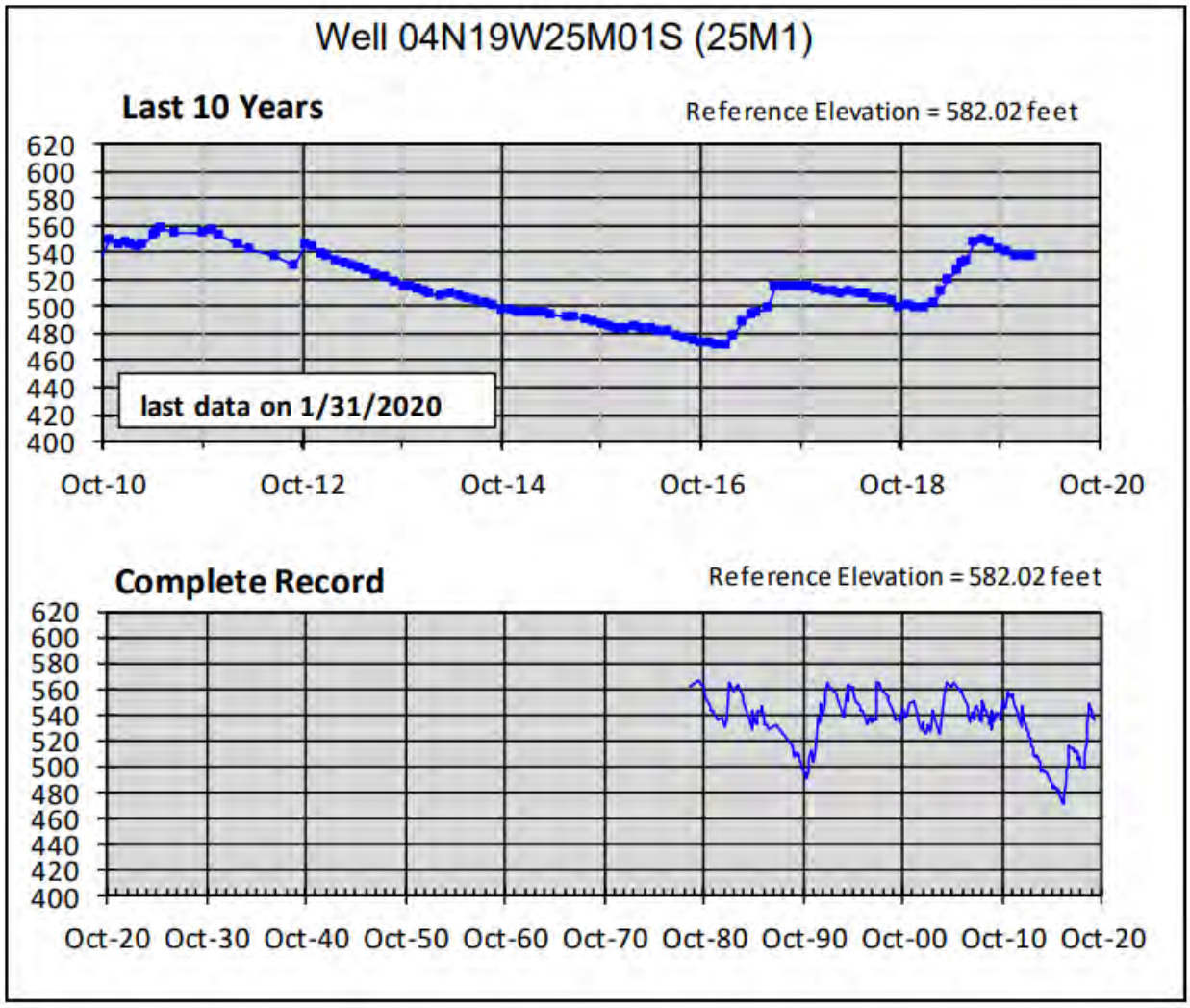

Figure 2-33. Piru Basin Key Well 25M1 (04N19W25M01S) Time-Series for the Last 10 Years and for the Complete Record (United, 2020; Page 4)

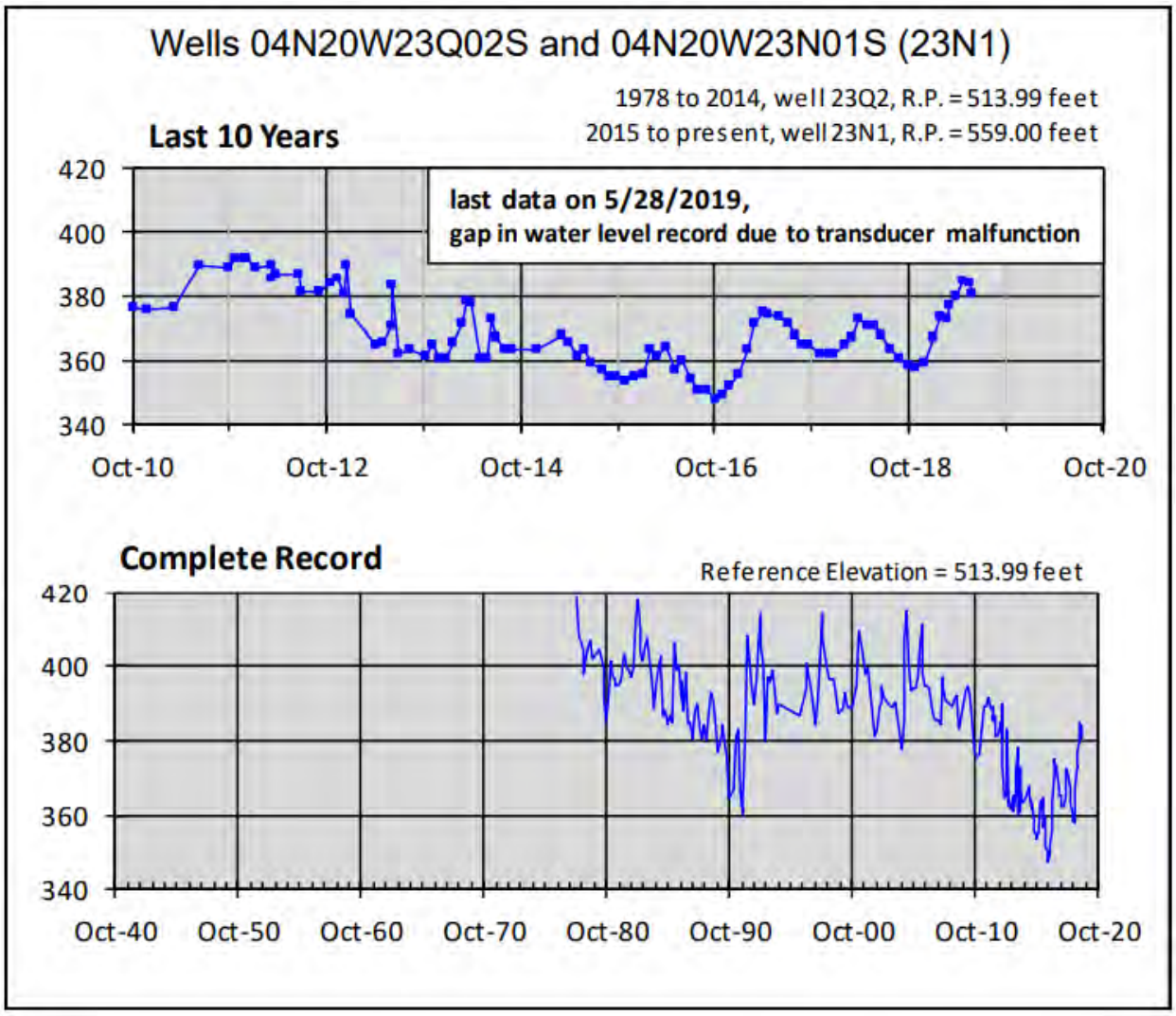

Figure 2-34. Fillmore Basin Key Well 23N1 (04N20W23Q02S and 04N20W23N01S) Time-Series for the Last 10 Years and for the Complete Record (United, 2020; Page 5)

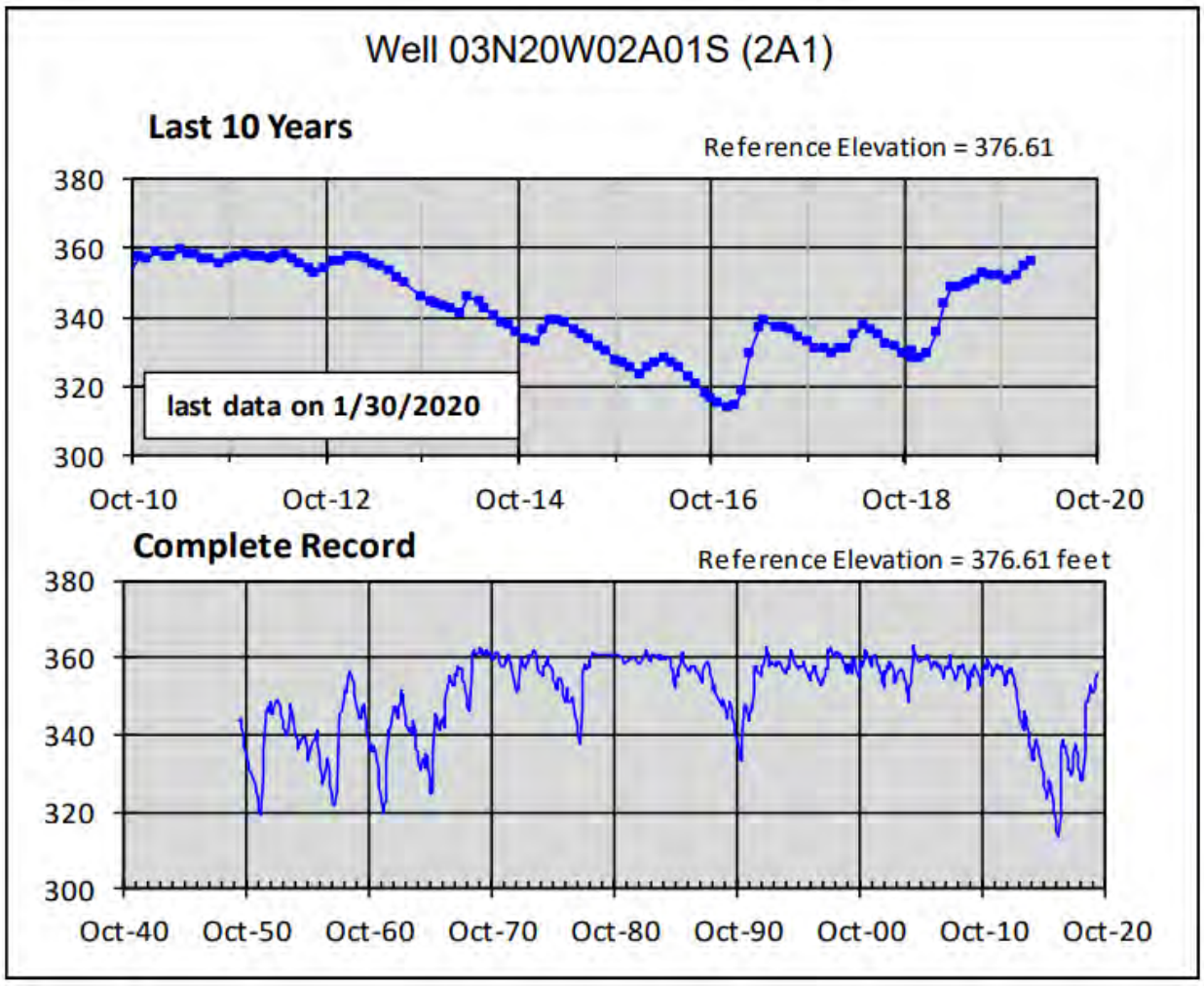

Figure 2-35. Fillmore Basin Key Well 2A1 (03N20W02A01S) Time-Series for the last 10 years and for the Complete Record (United, 2020; Page 5)

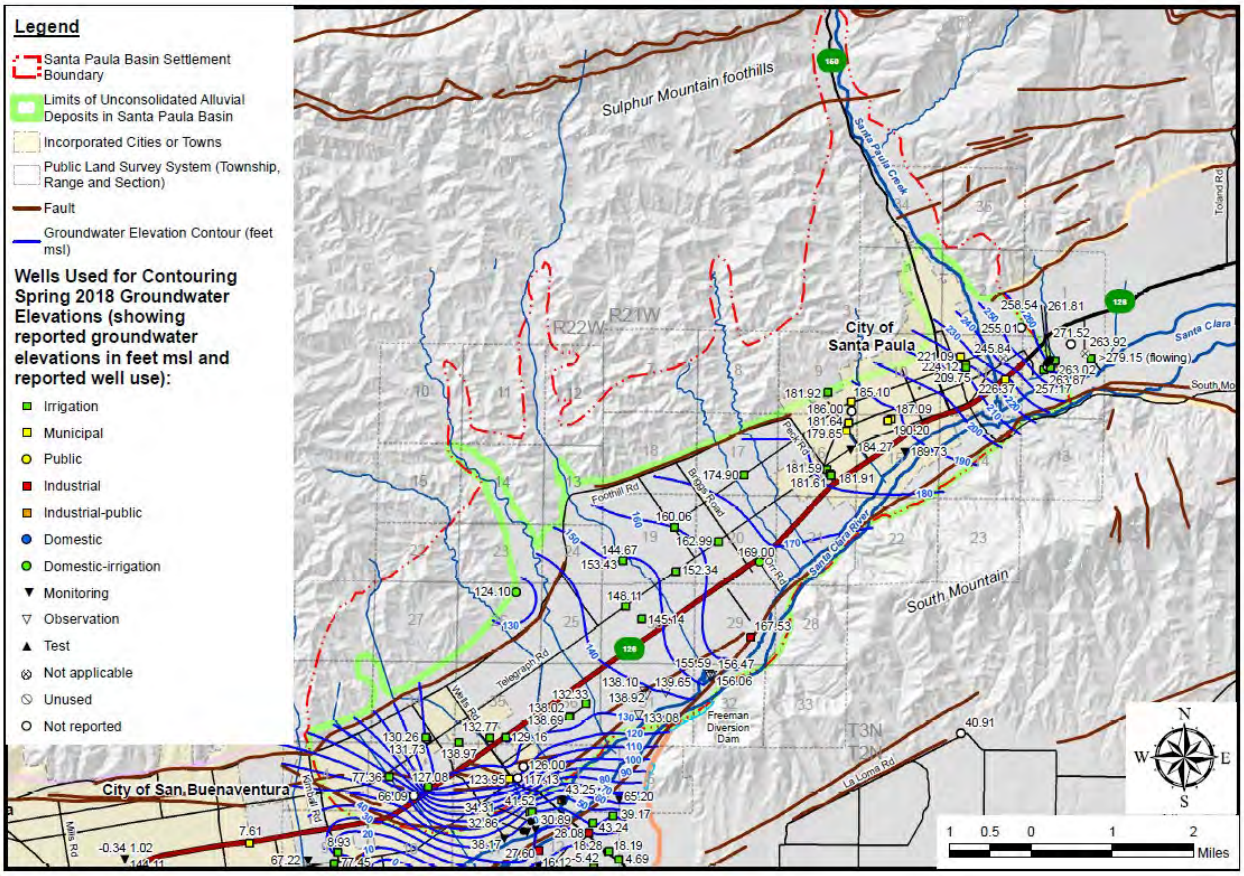

Figure 2-36. Spring 2018 groundwater elevation contours for Santa Paula basin (United, 2020; Figure 14). Generally representative for contouring over 1985-2015 simulation period

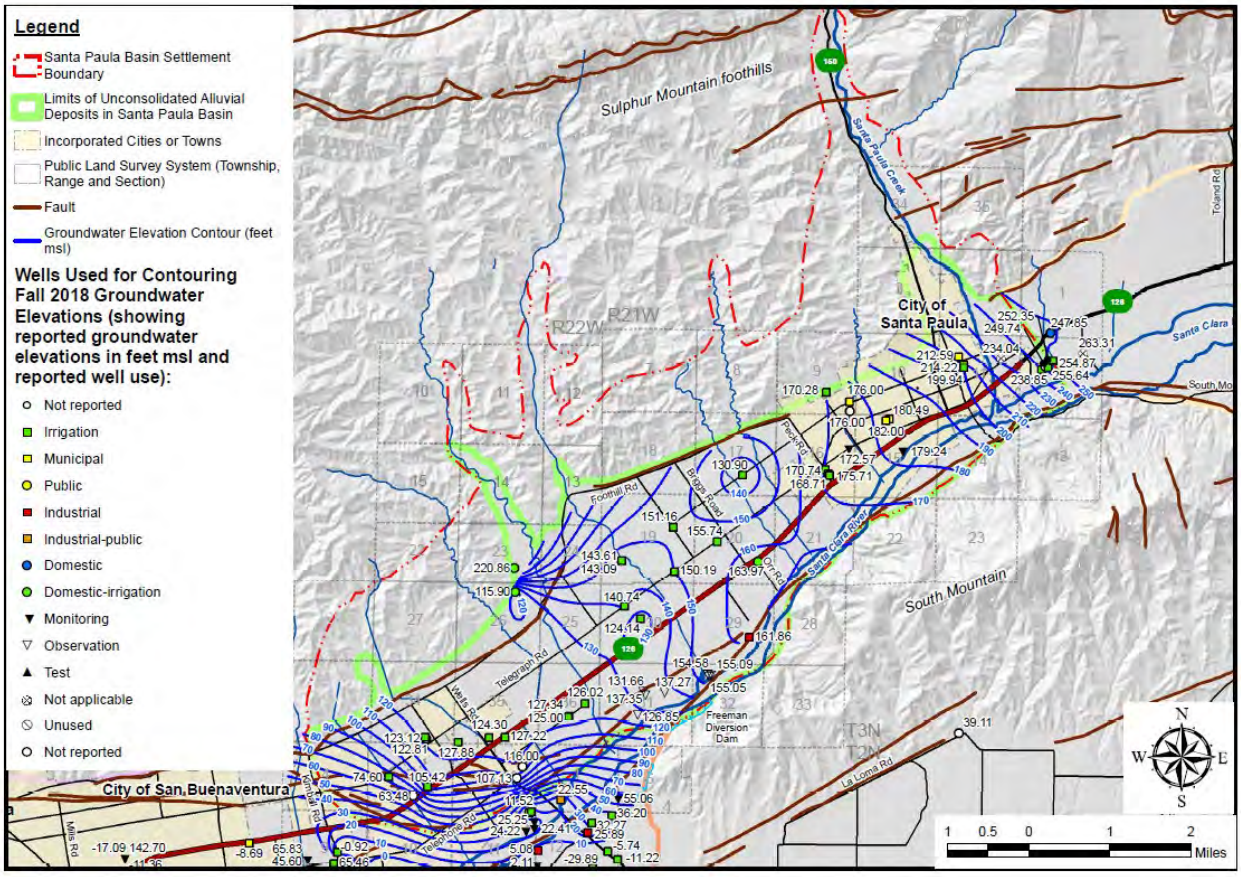

Figure 2-37. Fall 2018 Groundwater Elevation Contours for Santa Paula Basin (United, 2020; Figure 15). Generally representative for contouring over 1985-2015 simulation period

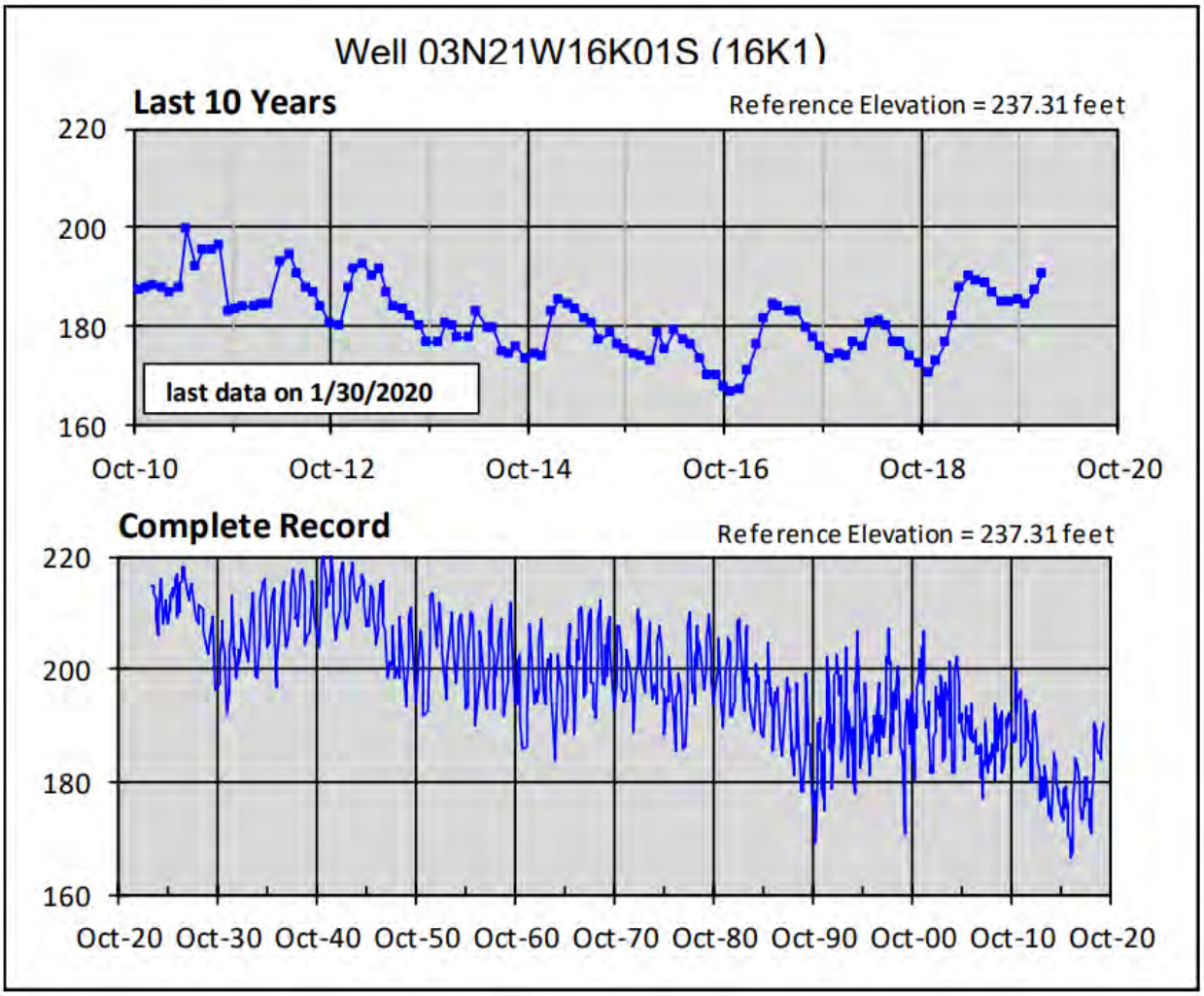

Figure 2-38. Santa Paula Basin Key Well 16K1 Time-Series for the Last 10 years and for the Complete Record (United, 2020; Page 5)

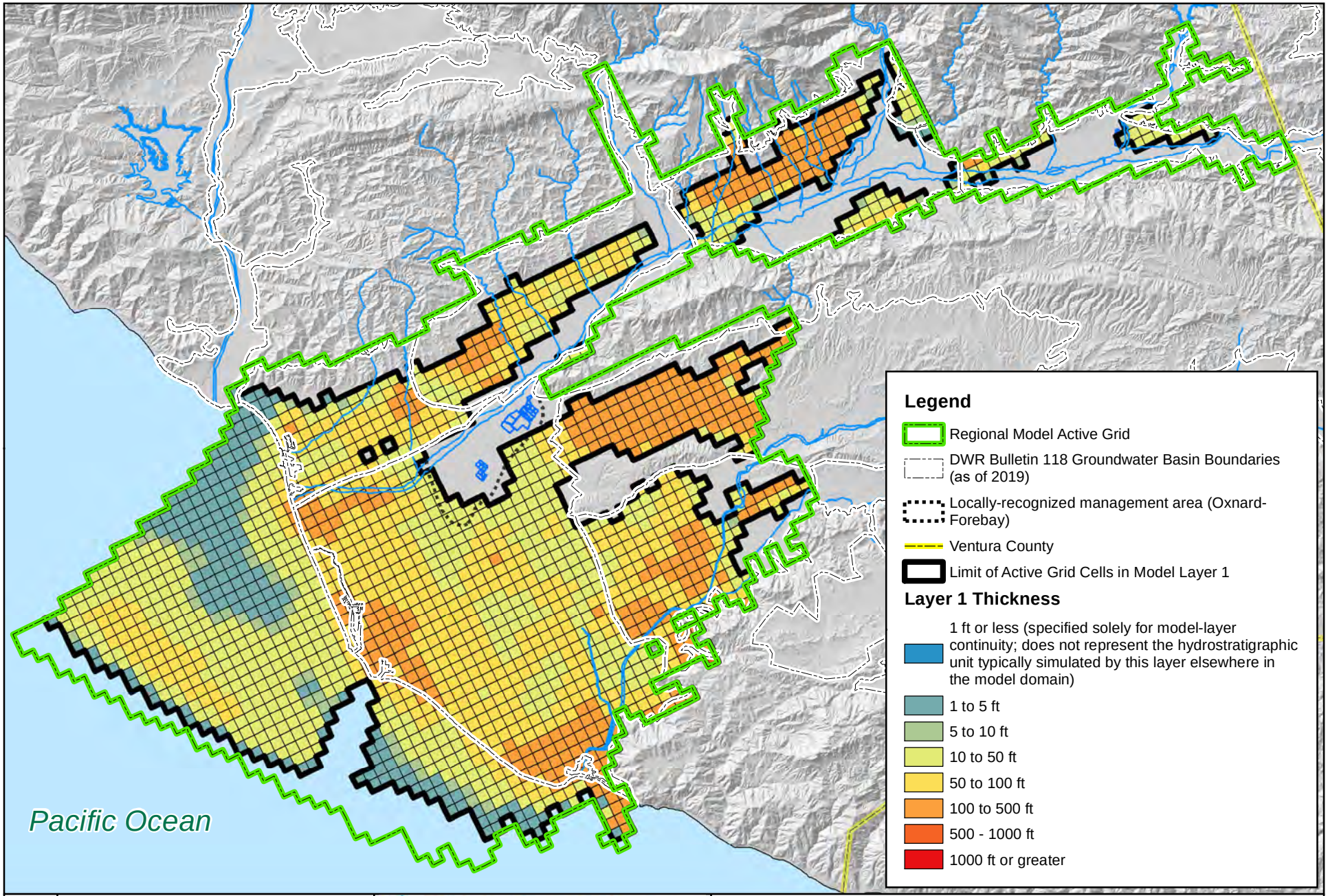

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Figure 3-1.
Thickness and Extent of Model Layer 1

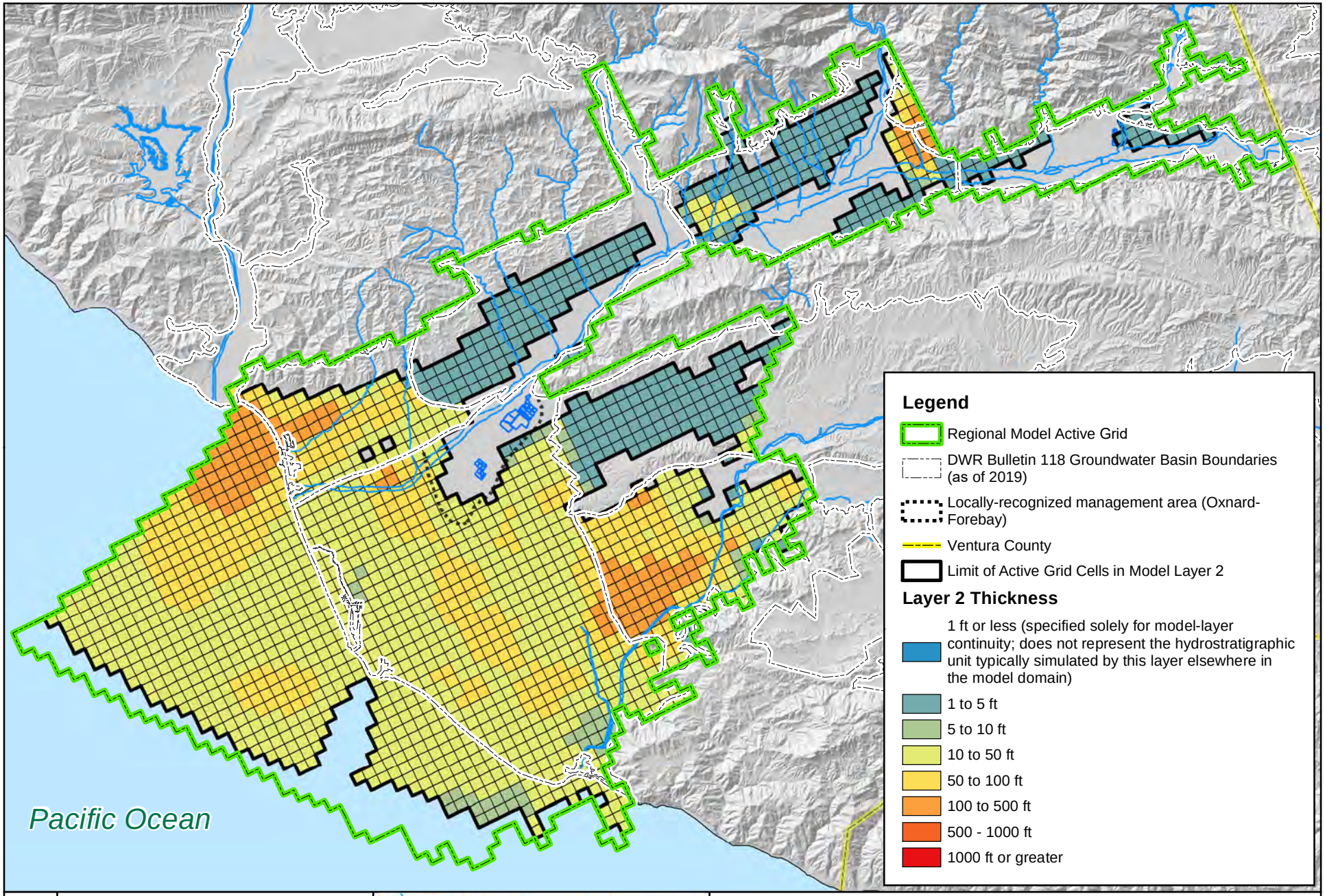

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Figure 3-2.
Thickness and Extent of Model Layer 2

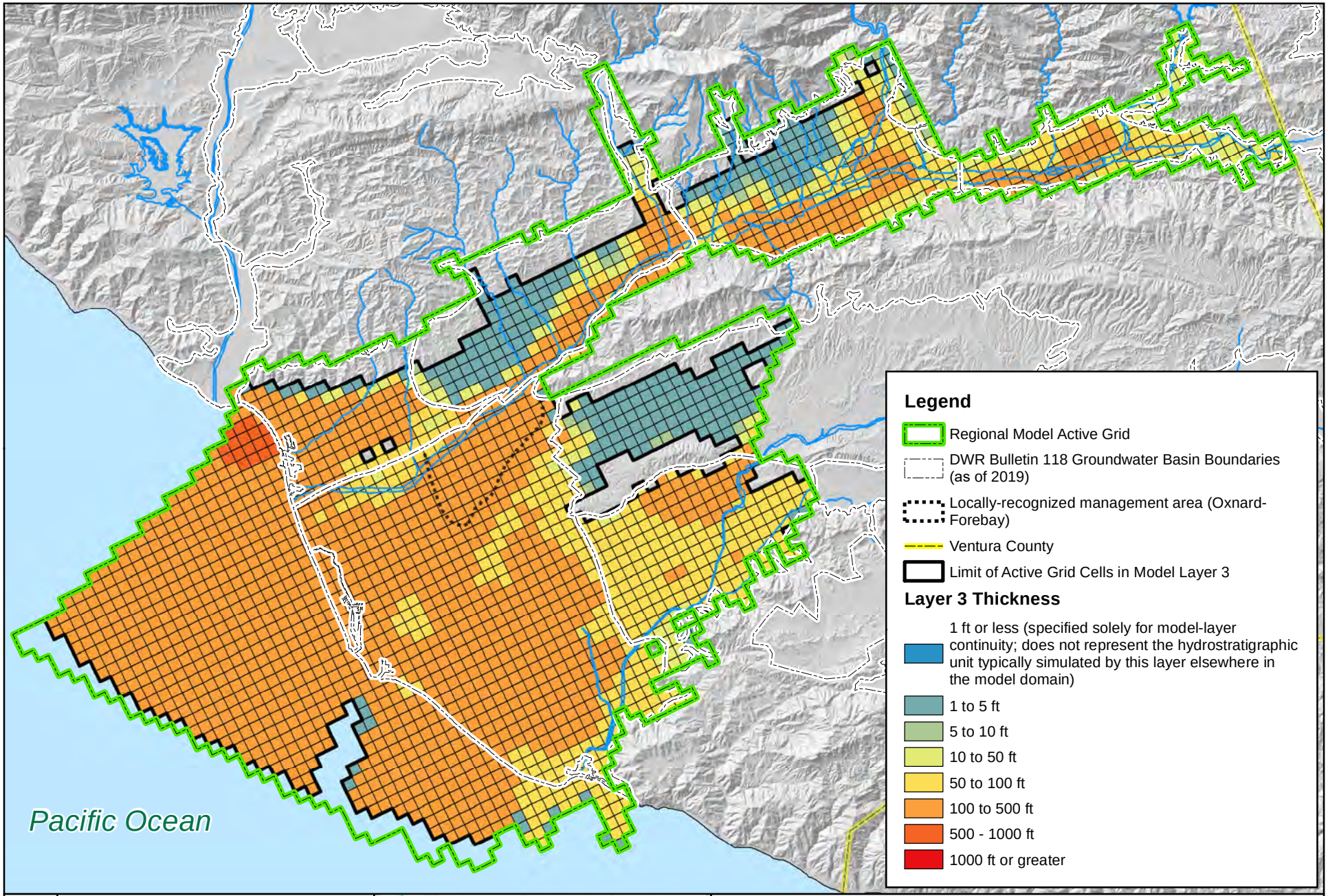

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Figure 3-3.
Thickness and Extent of Model Layer 3

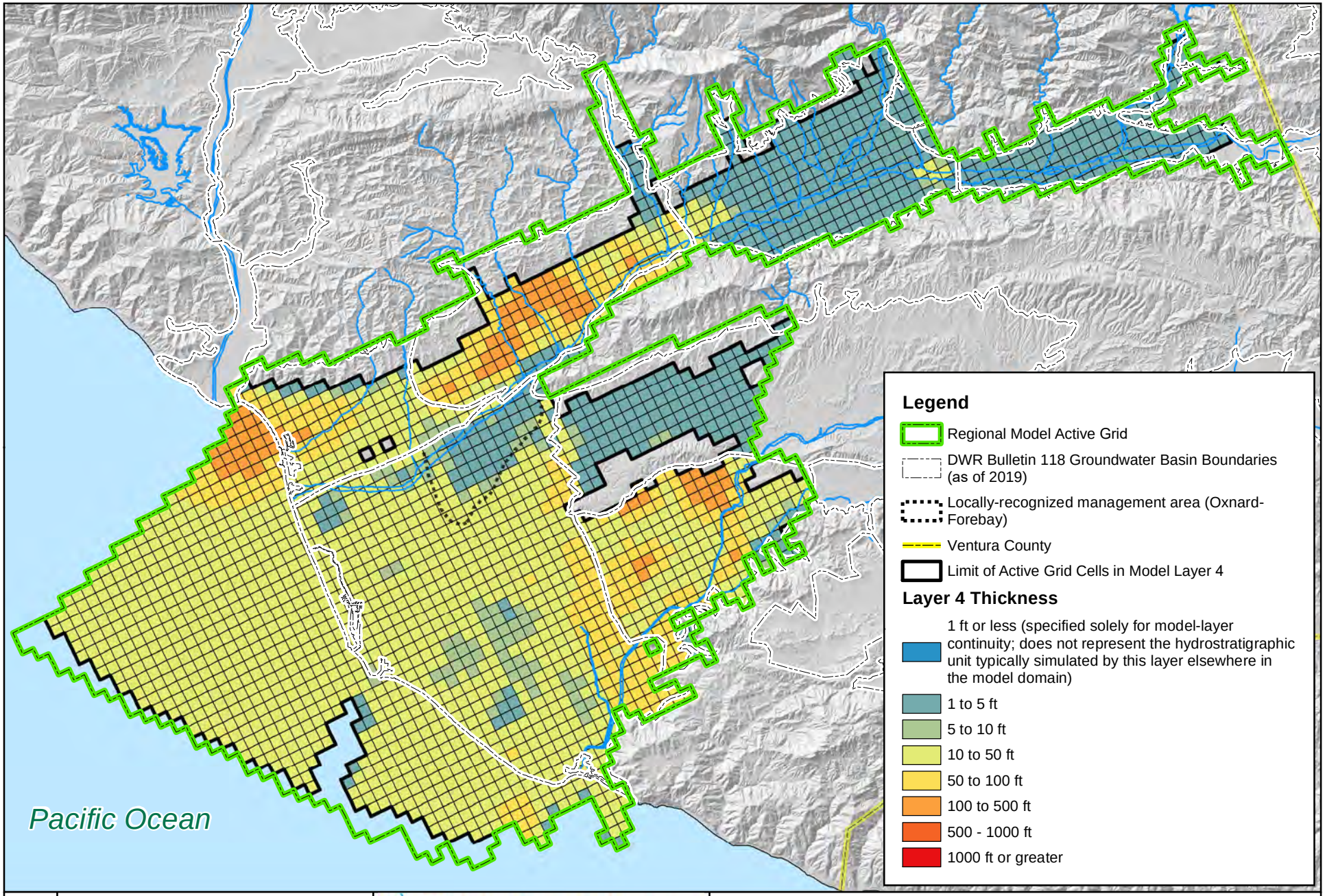

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Figure 3-4.
Thickness and Extent of Model Layer 4

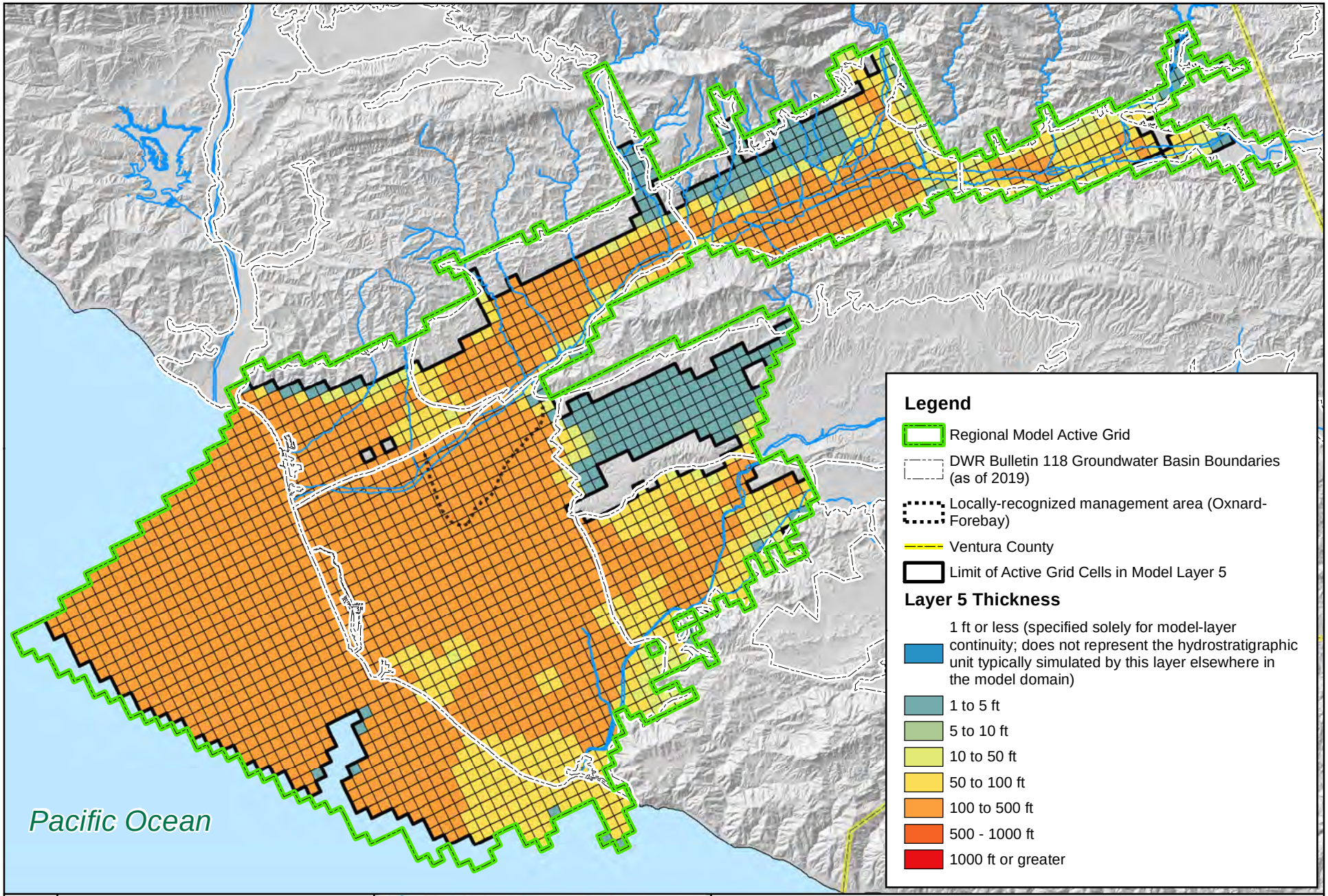

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Figure 3-5.
Thickness and Extent of Model Layer 5

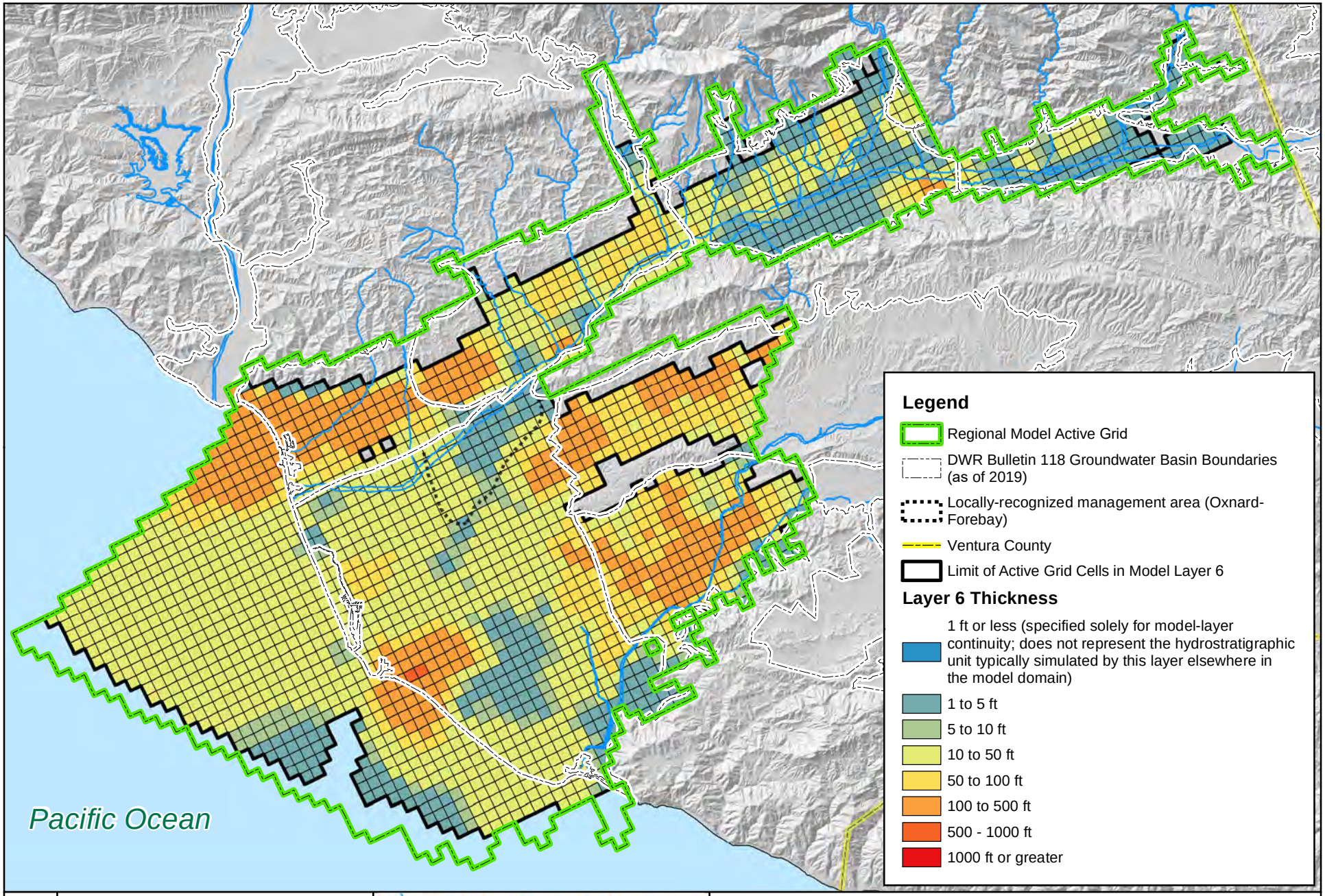

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Figure 3-6.
Thickness and Extent of Model Layer 6

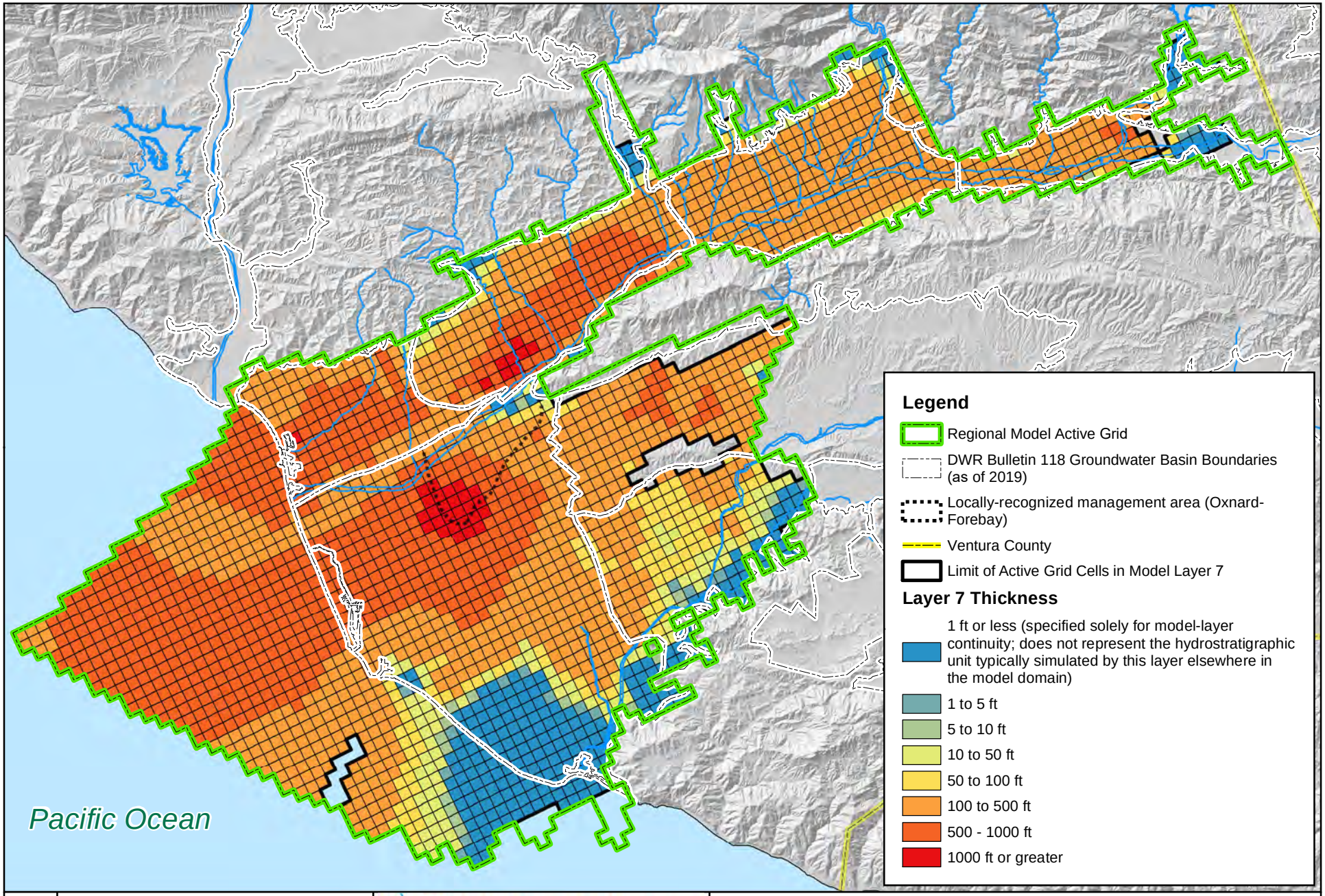

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Figure 3-7.
Thickness and Extent of Model Layer 7

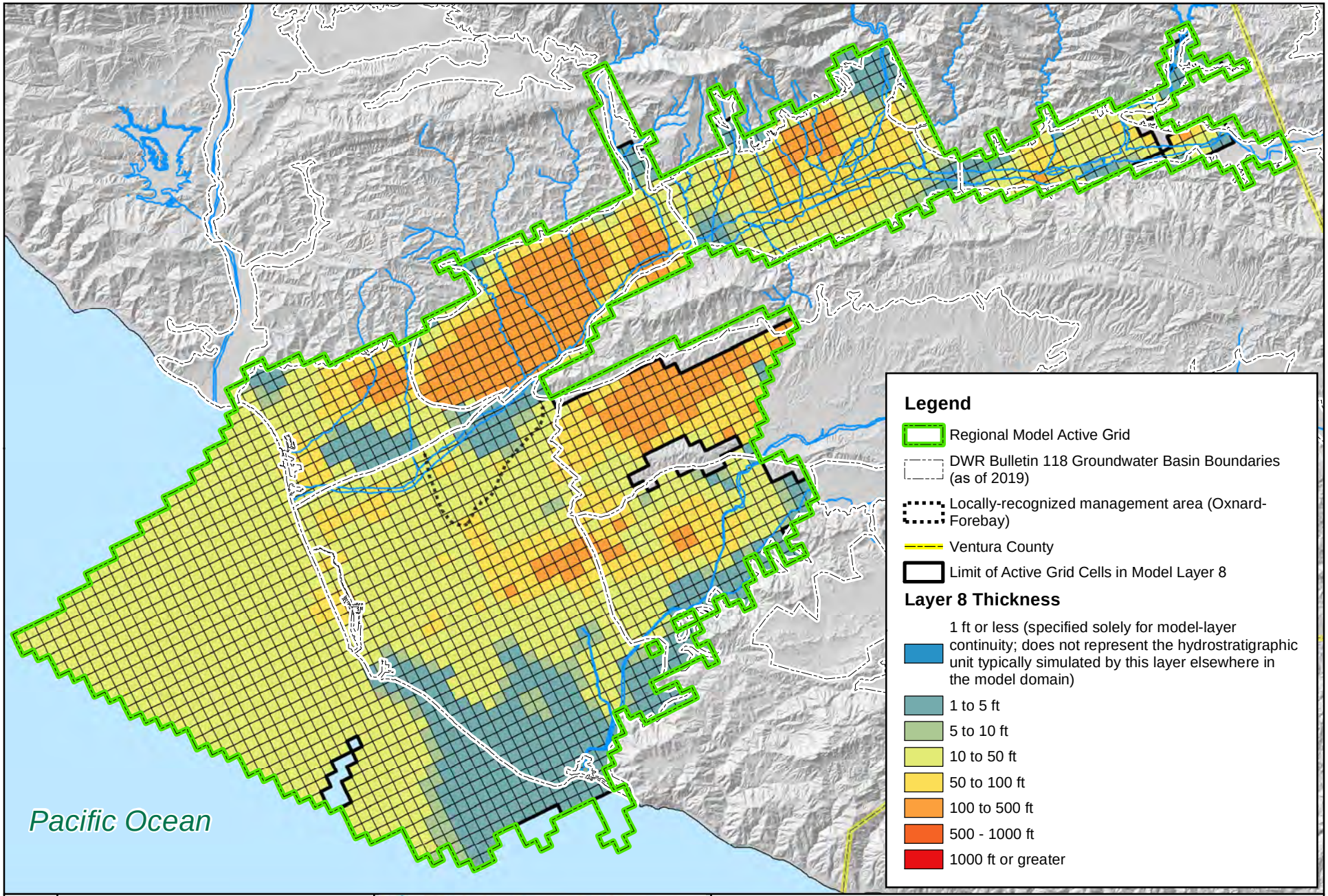

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Figure 3-8.
Thickness and Extent of Model Layer 8

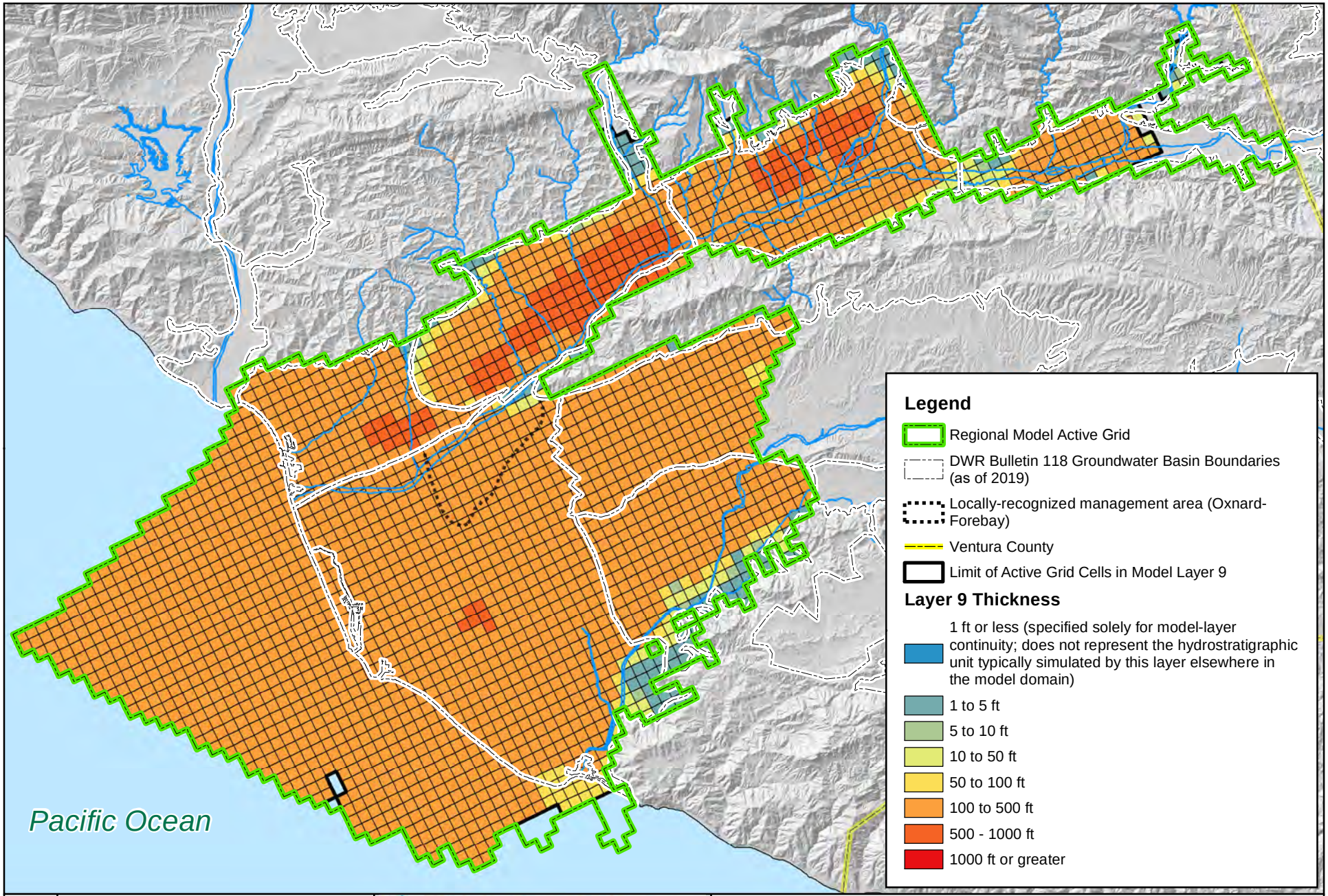

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Figure 3-9.
Thickness and Extent of Model Layer 9

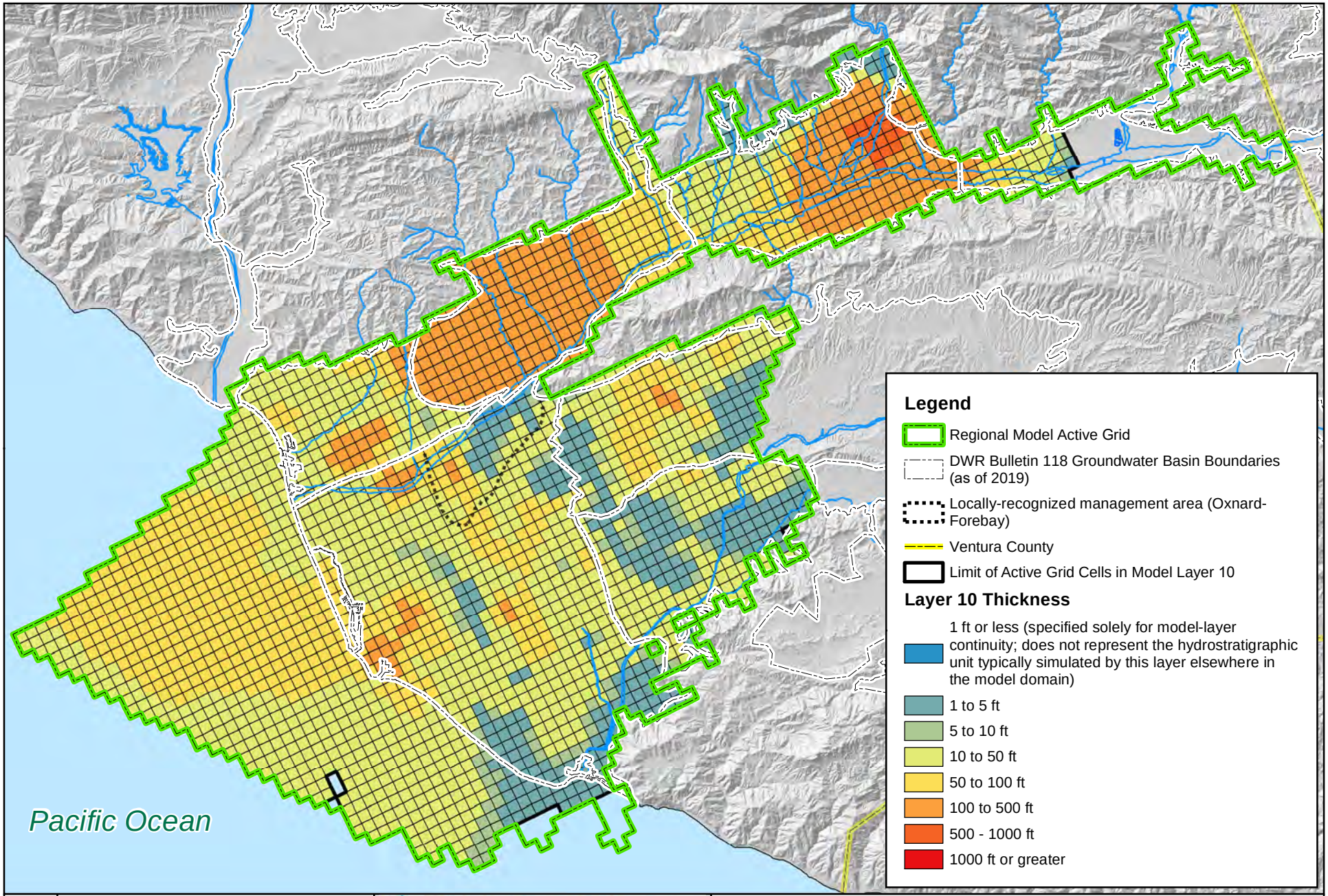

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Figure 3-10.
Thickness and Extent of Model Layer 10

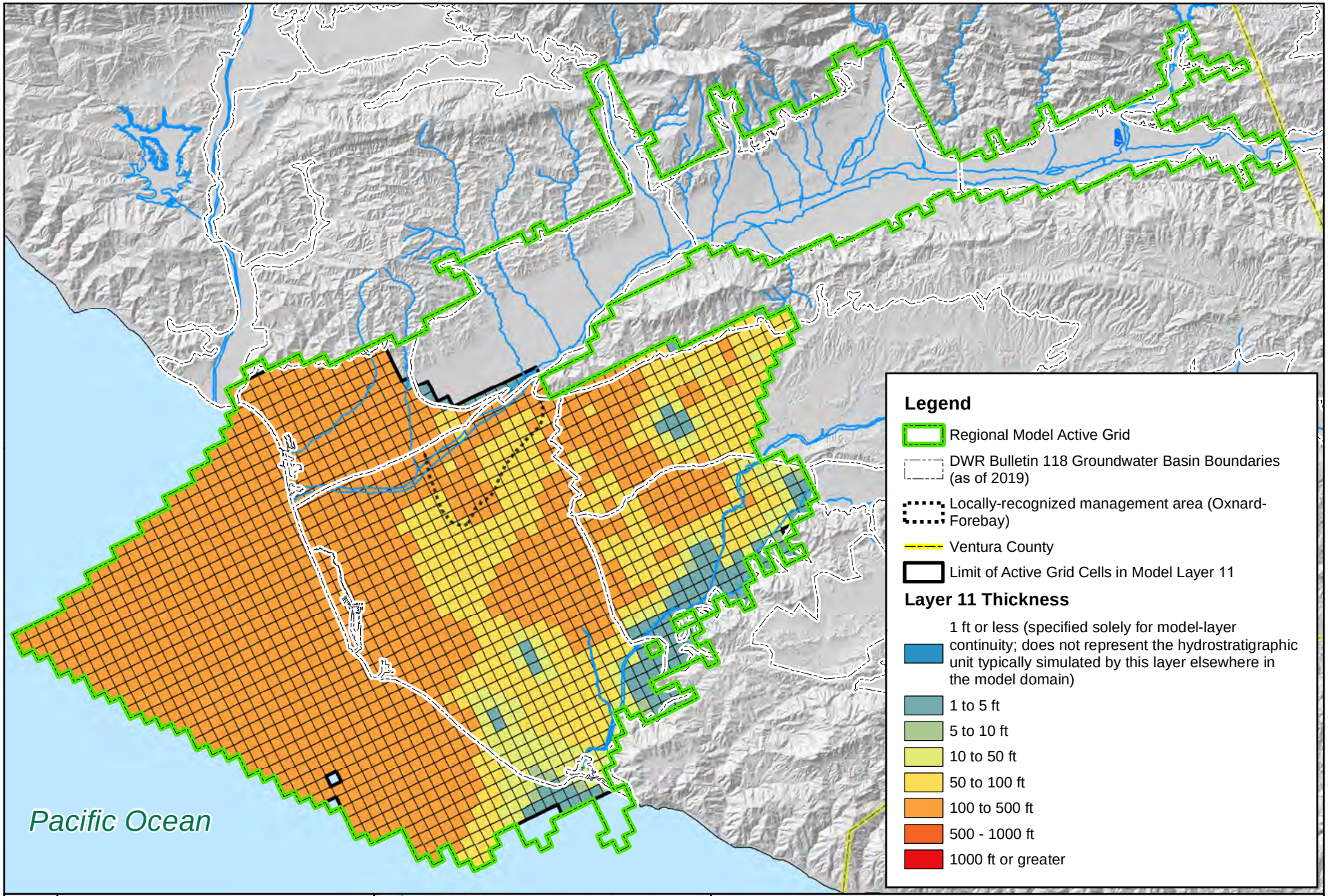

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Figure 3-11.
Thickness and Extent of Model Layer 11

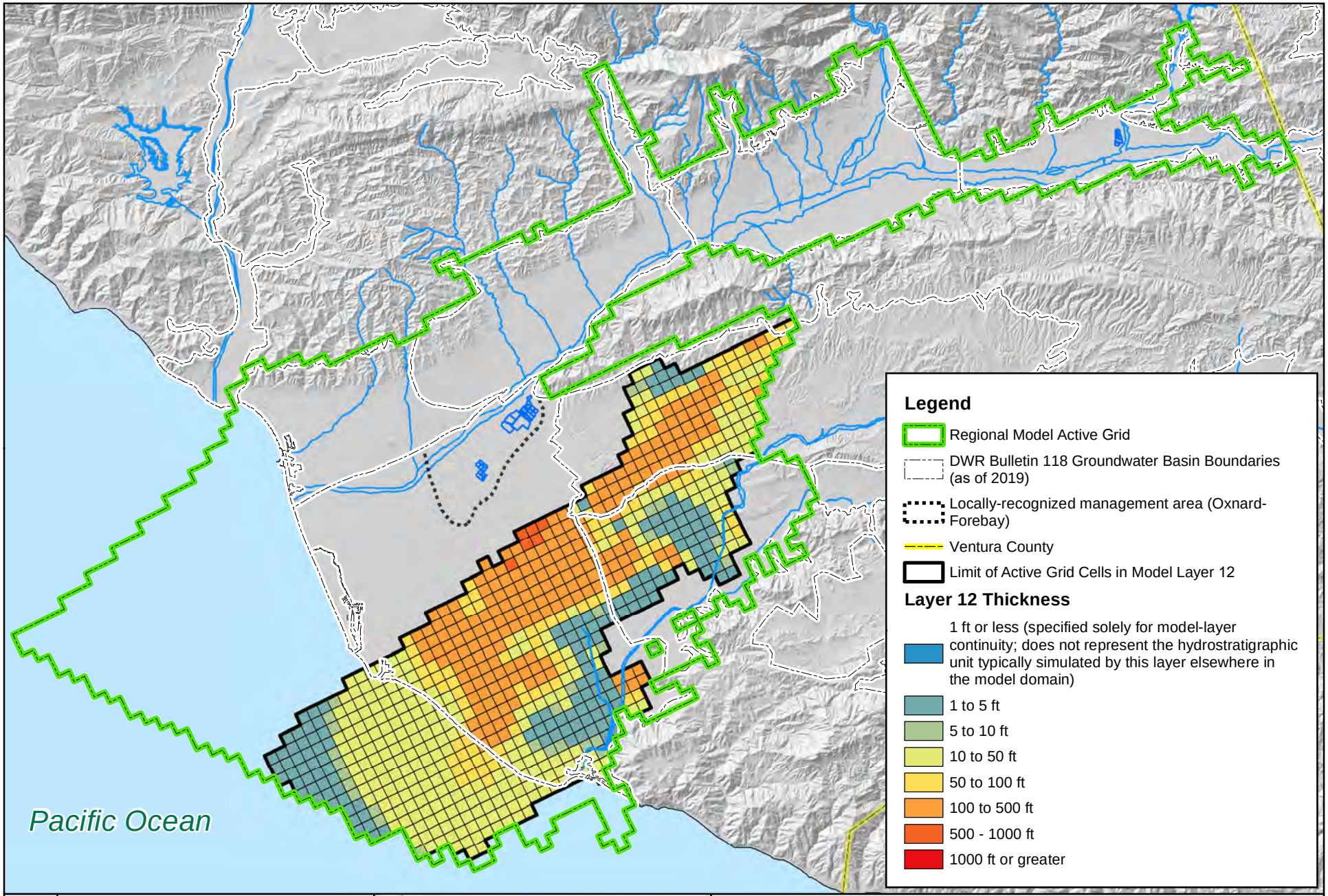

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Figure 3-12.
Thickness and Extent of Model Layer 12

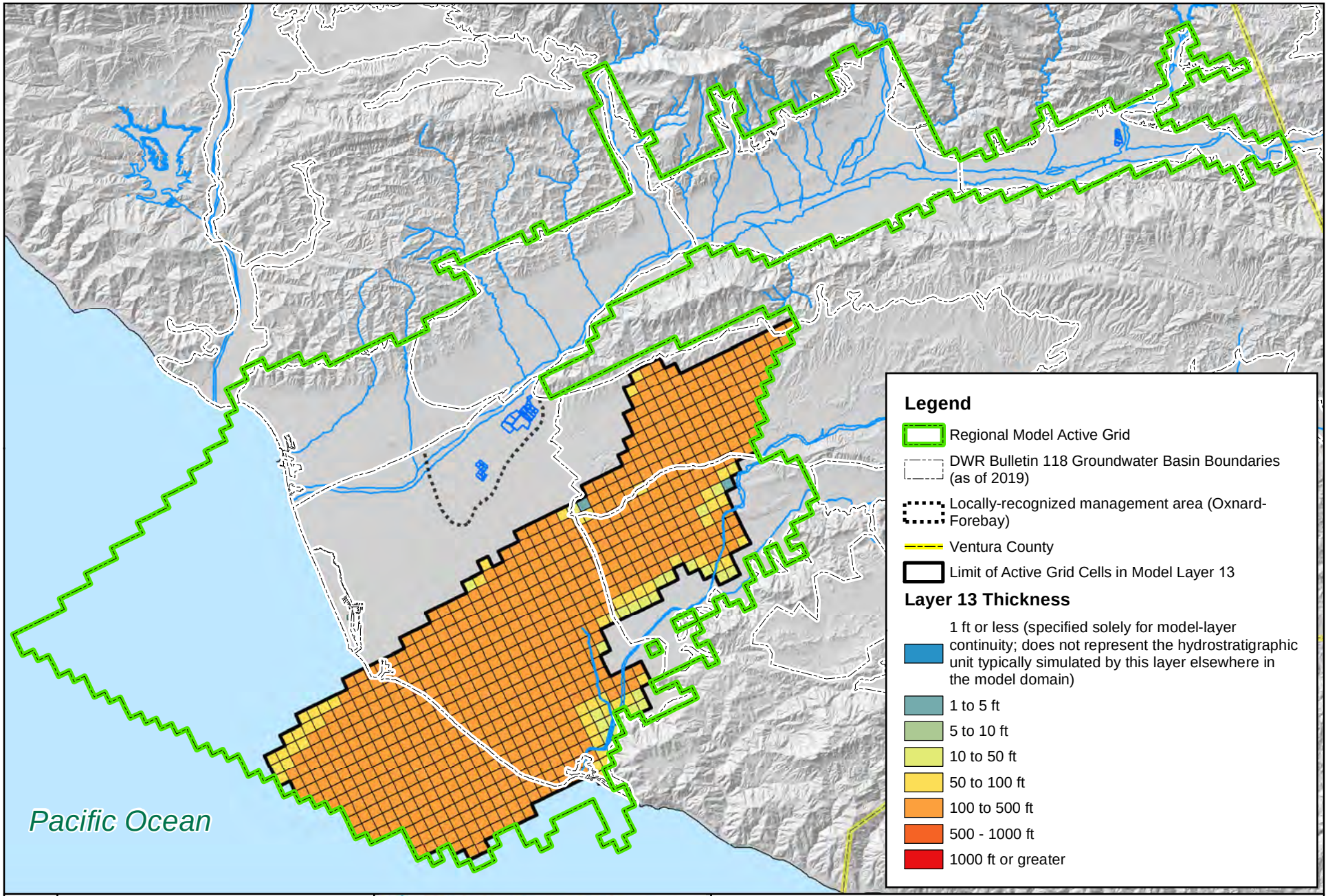

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Figure 3-13.
Thickness and Extent of Model Layer 13

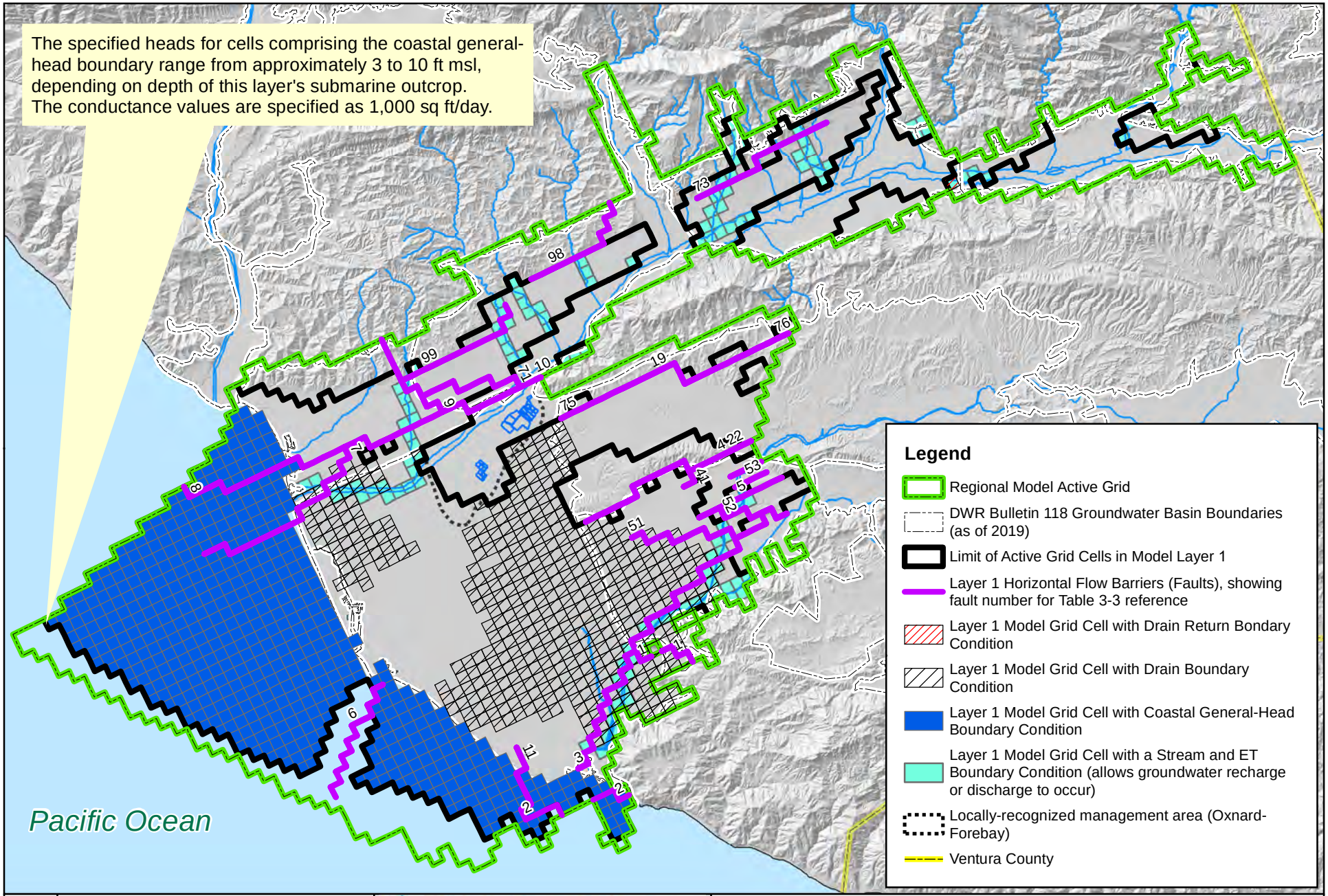

Figure 3-14.
Boundary Conditions of Model Layer 1

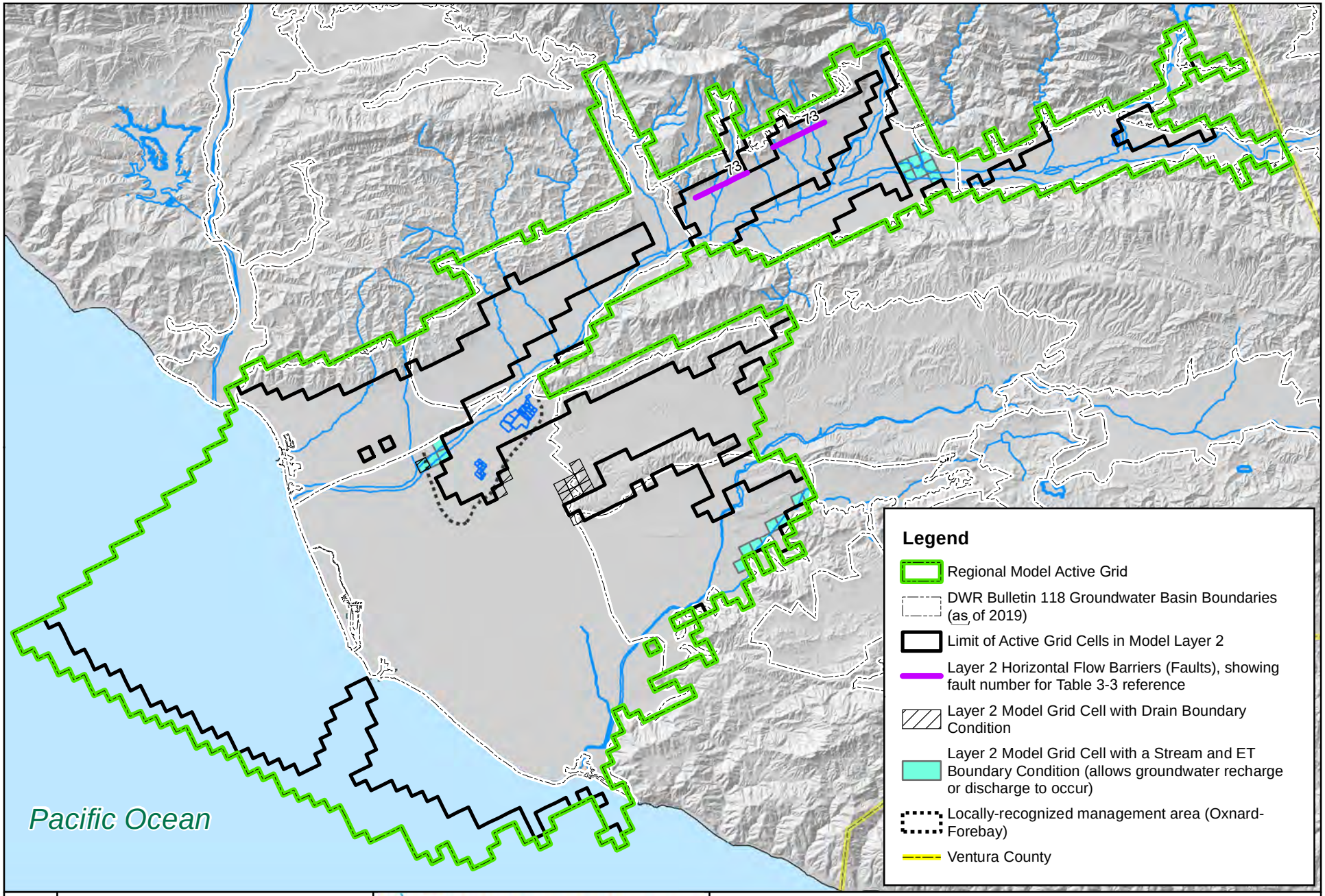

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Figure 3-15.
Boundary Conditions of Model Layer 2

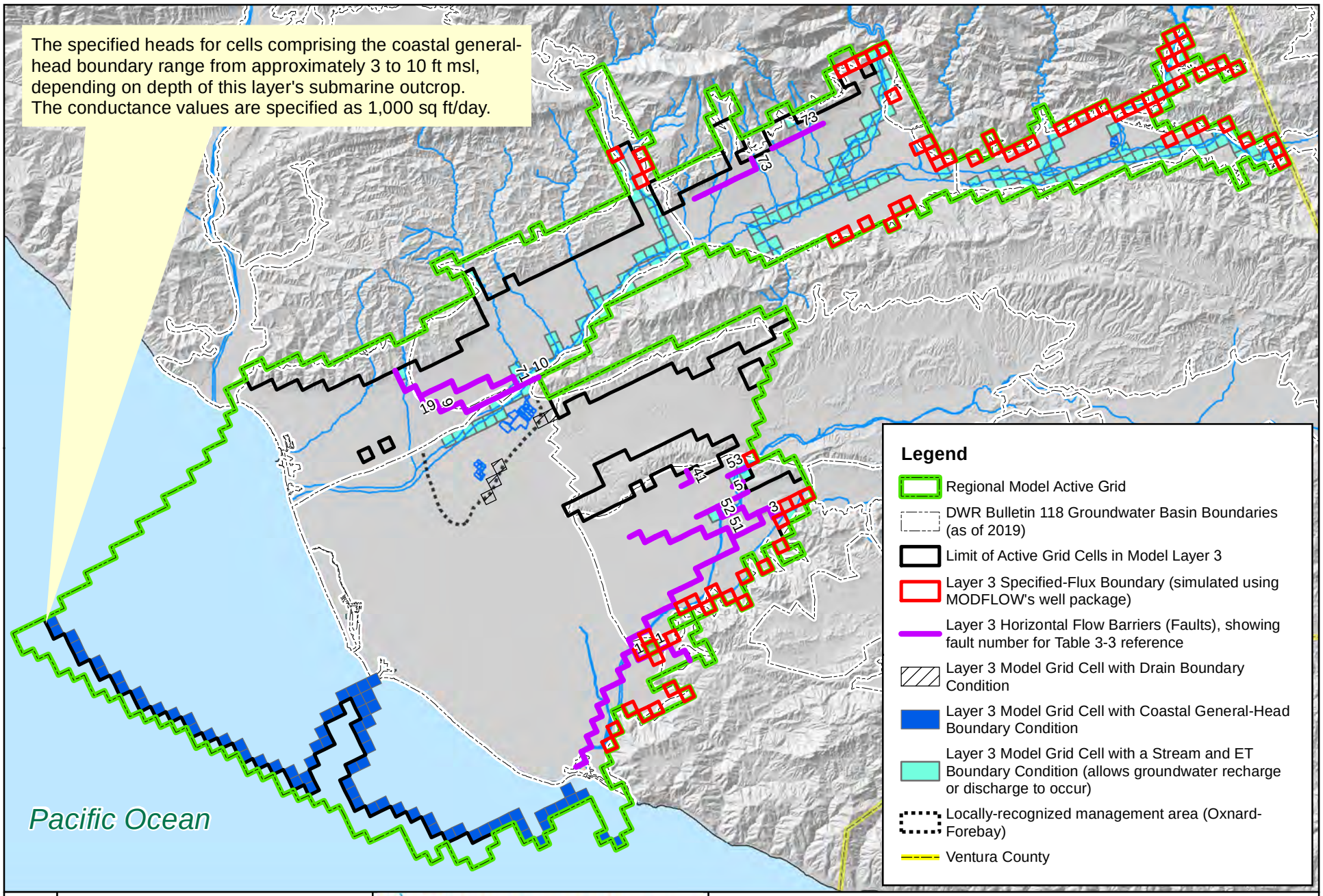

Figure 3-16.
Boundary Conditions of Model Layer 3

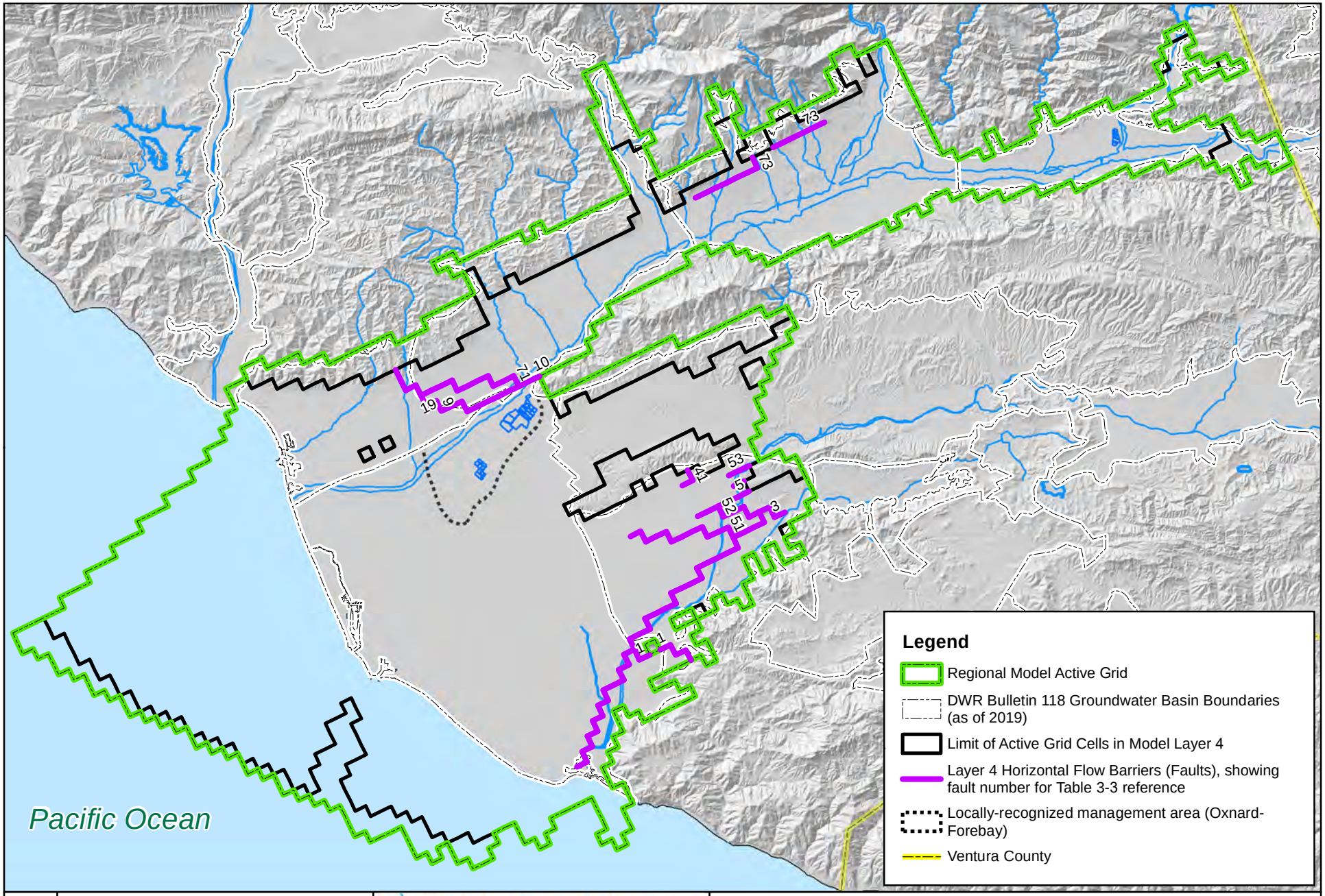

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Figure 3-17.
Boundary Conditions of Model Layer 4

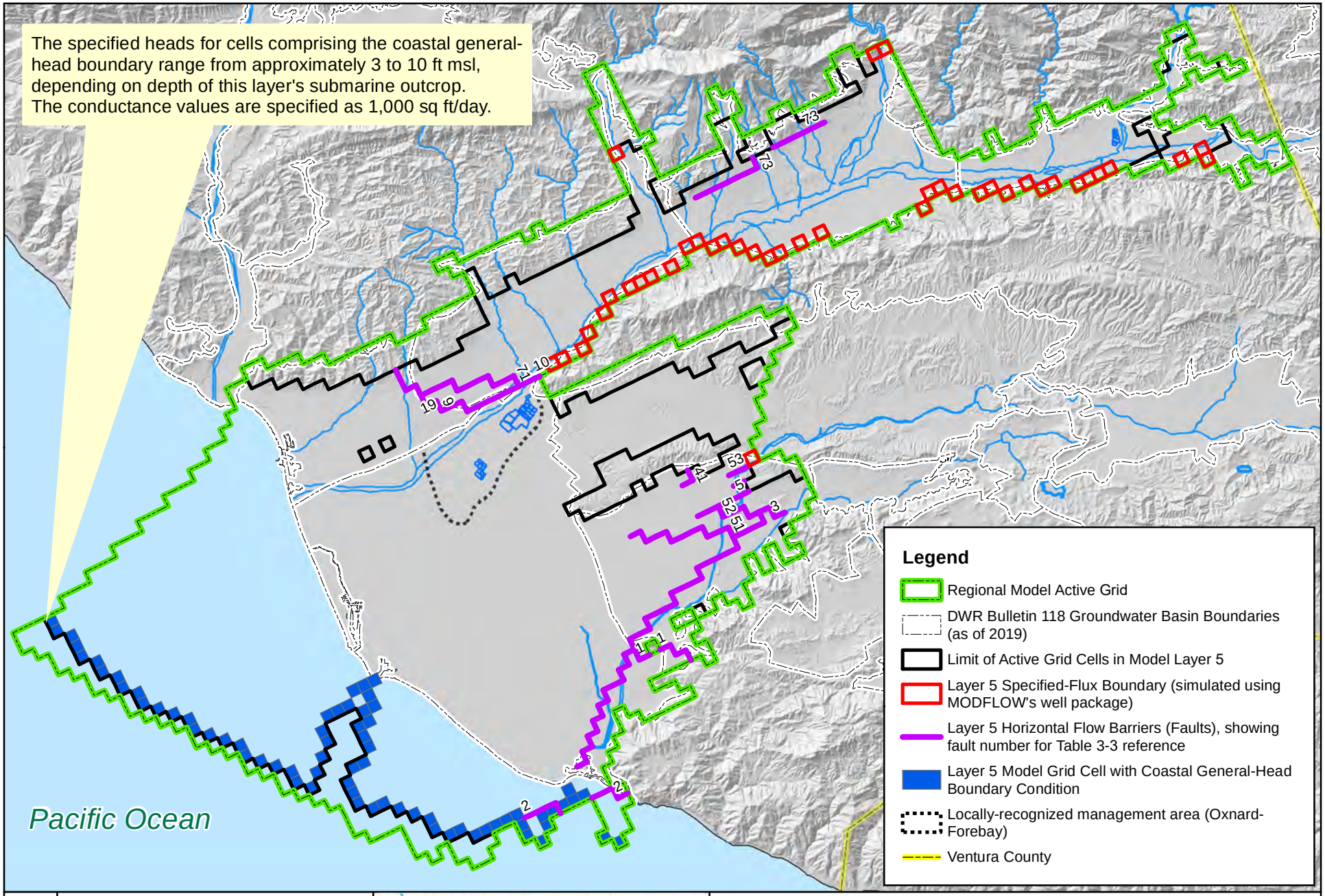

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Figure 3-18.
Boundary Conditions of Model Layer 5

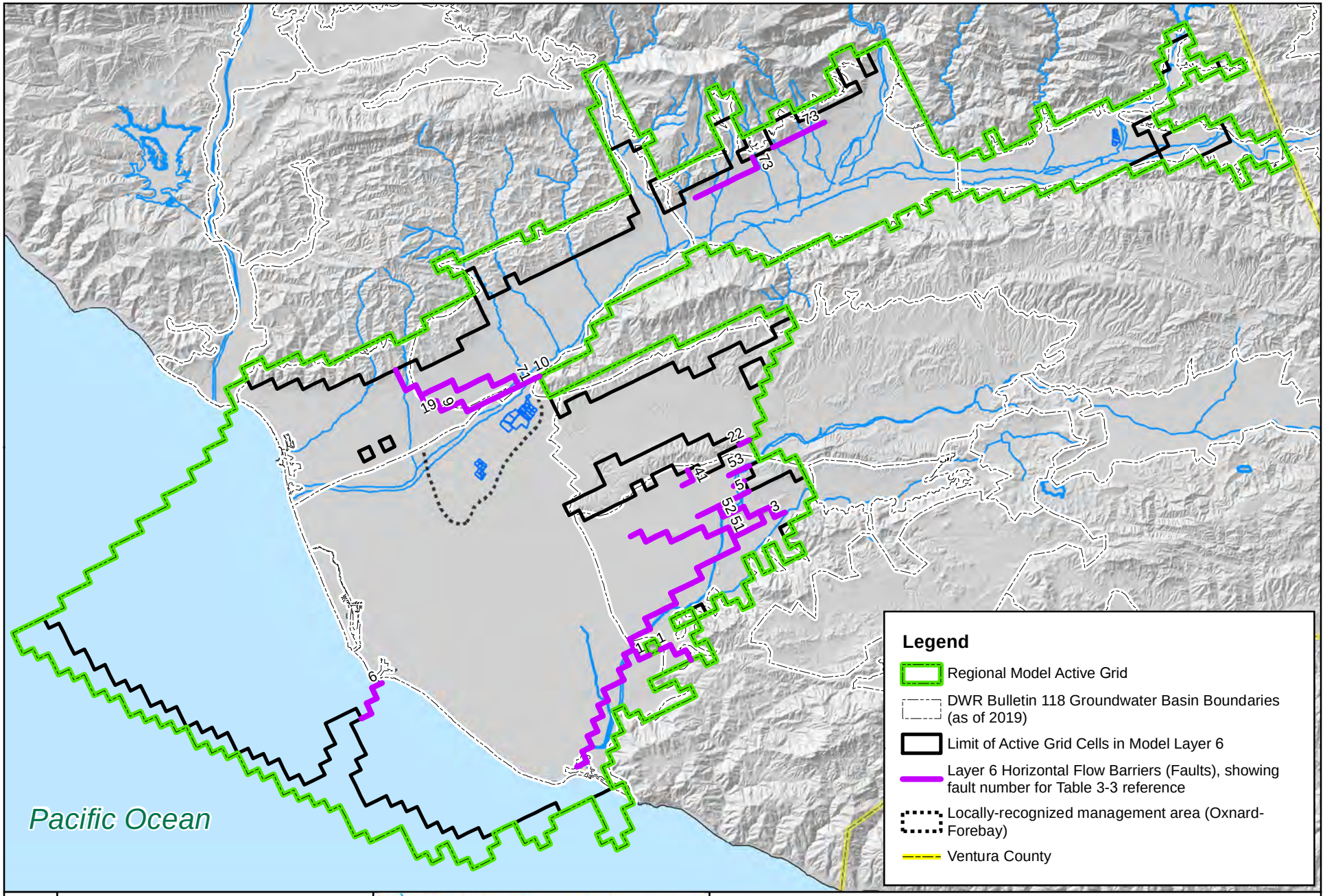

Figure 3-19.
Boundary Conditions of Model Layer 6

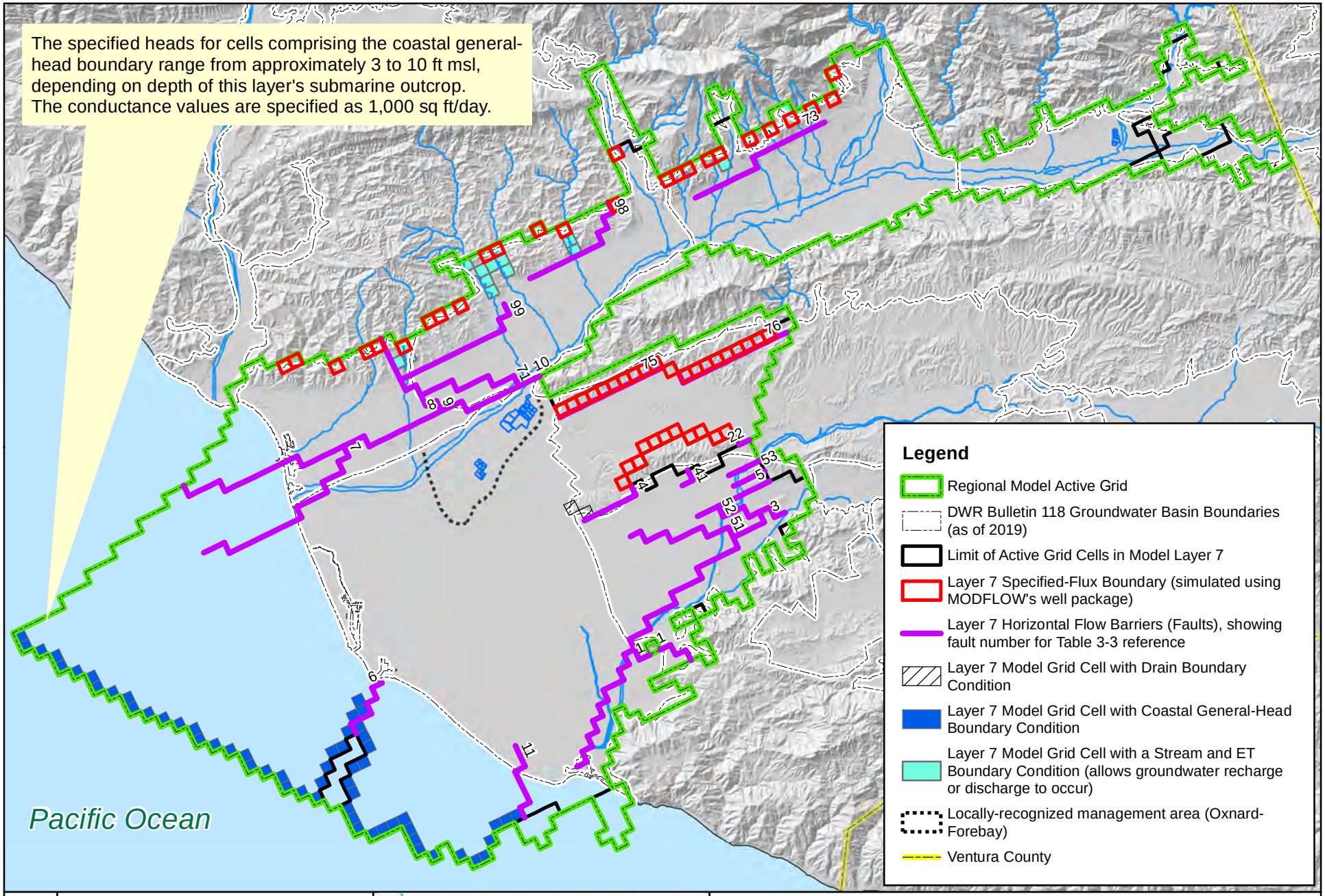

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Figure 3-20.
Boundary Conditions of Model Layer 7

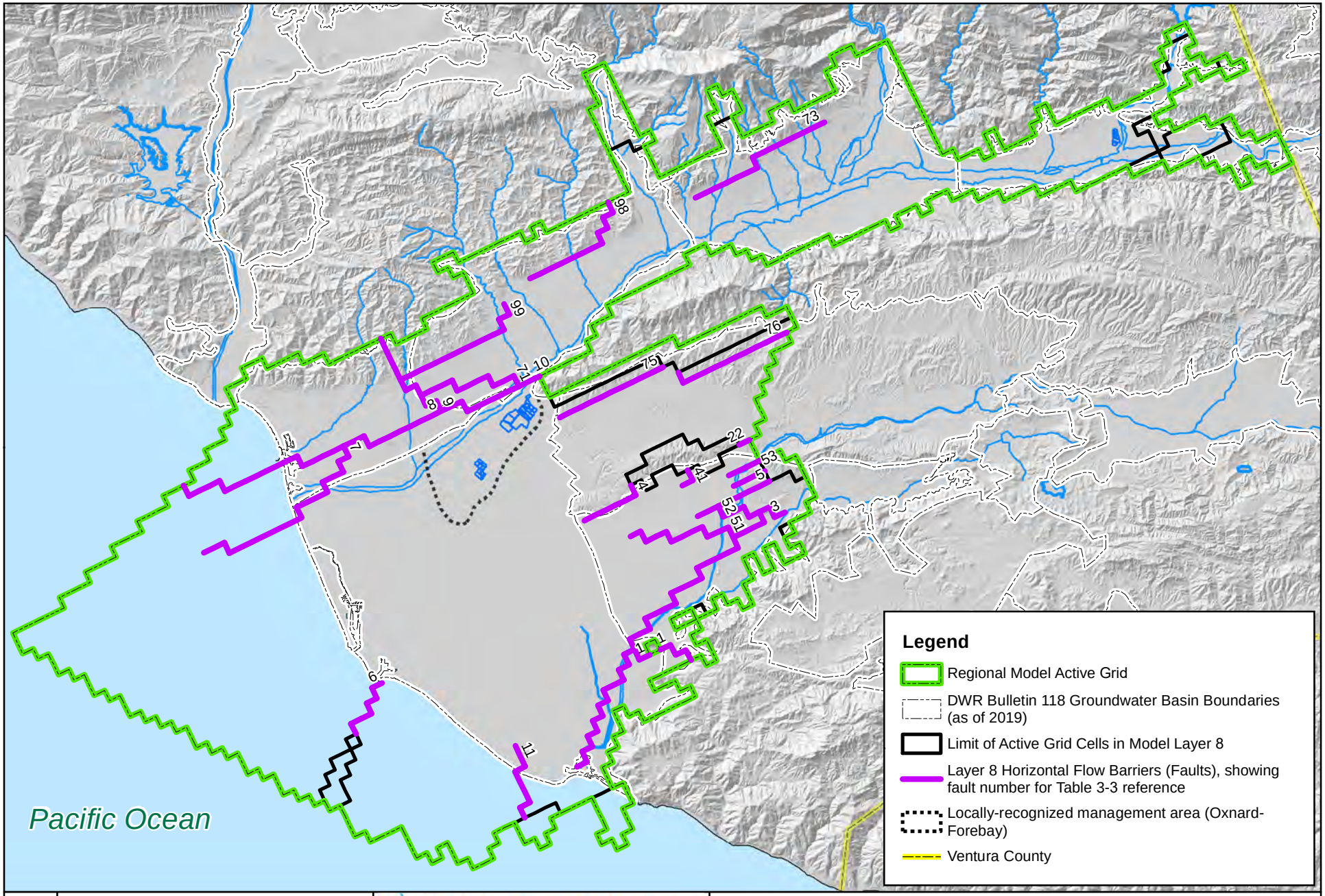

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Figure 3-21.
Boundary Conditions of Model Layer 8

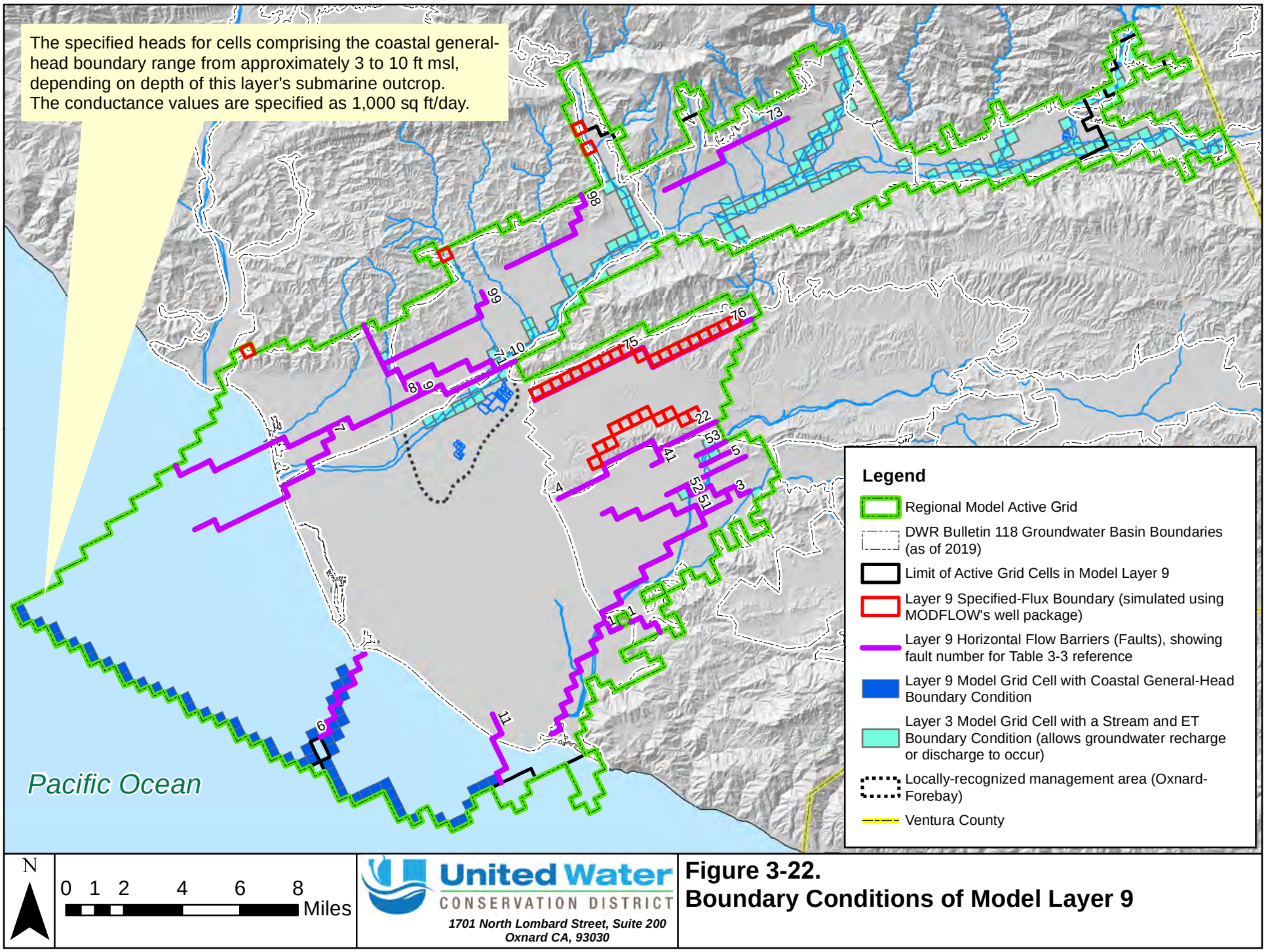

Figure 3-22.
Boundary Conditions of Model Layer 9

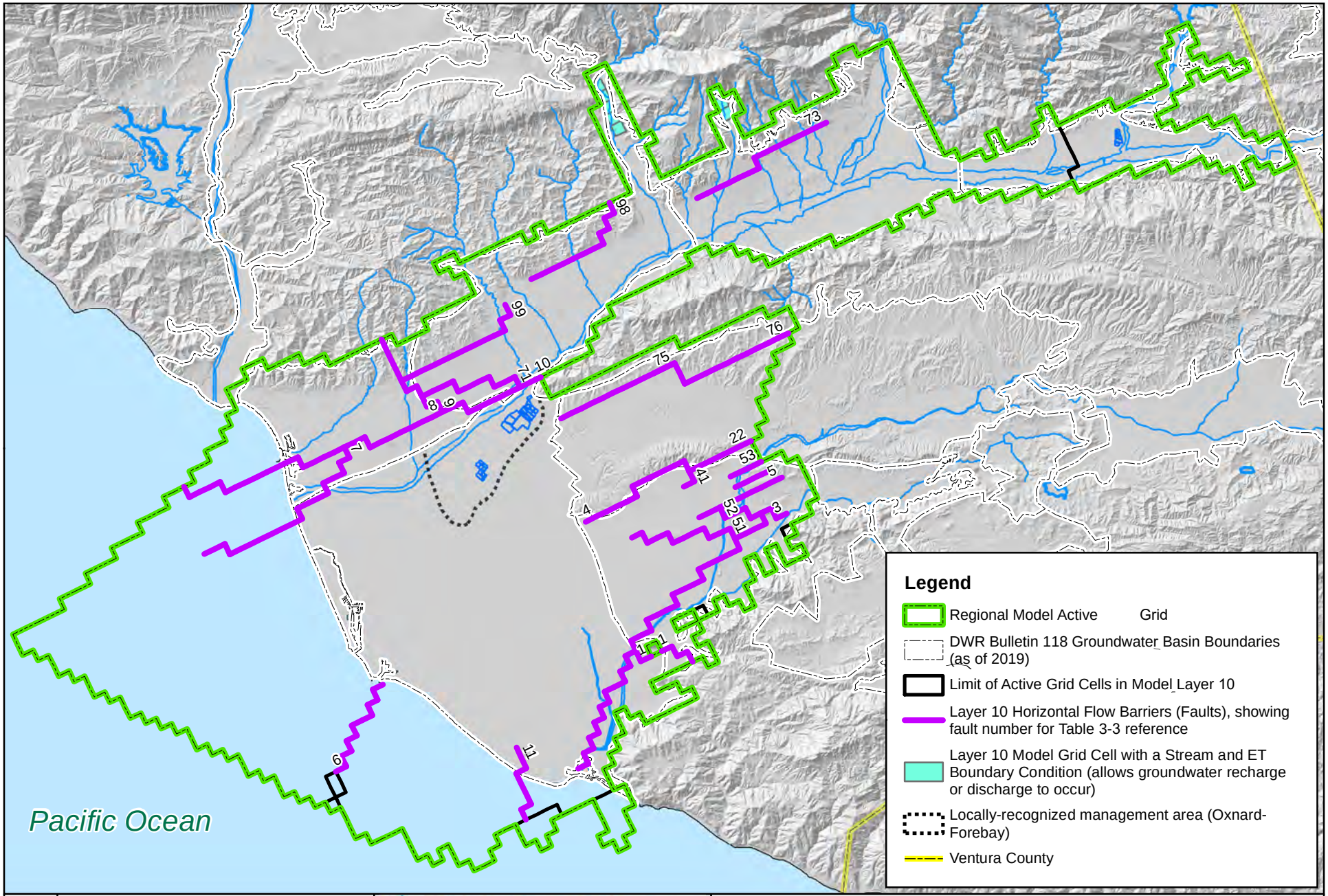

Figure 3-23.
Boundary Conditions of Model Layer 10

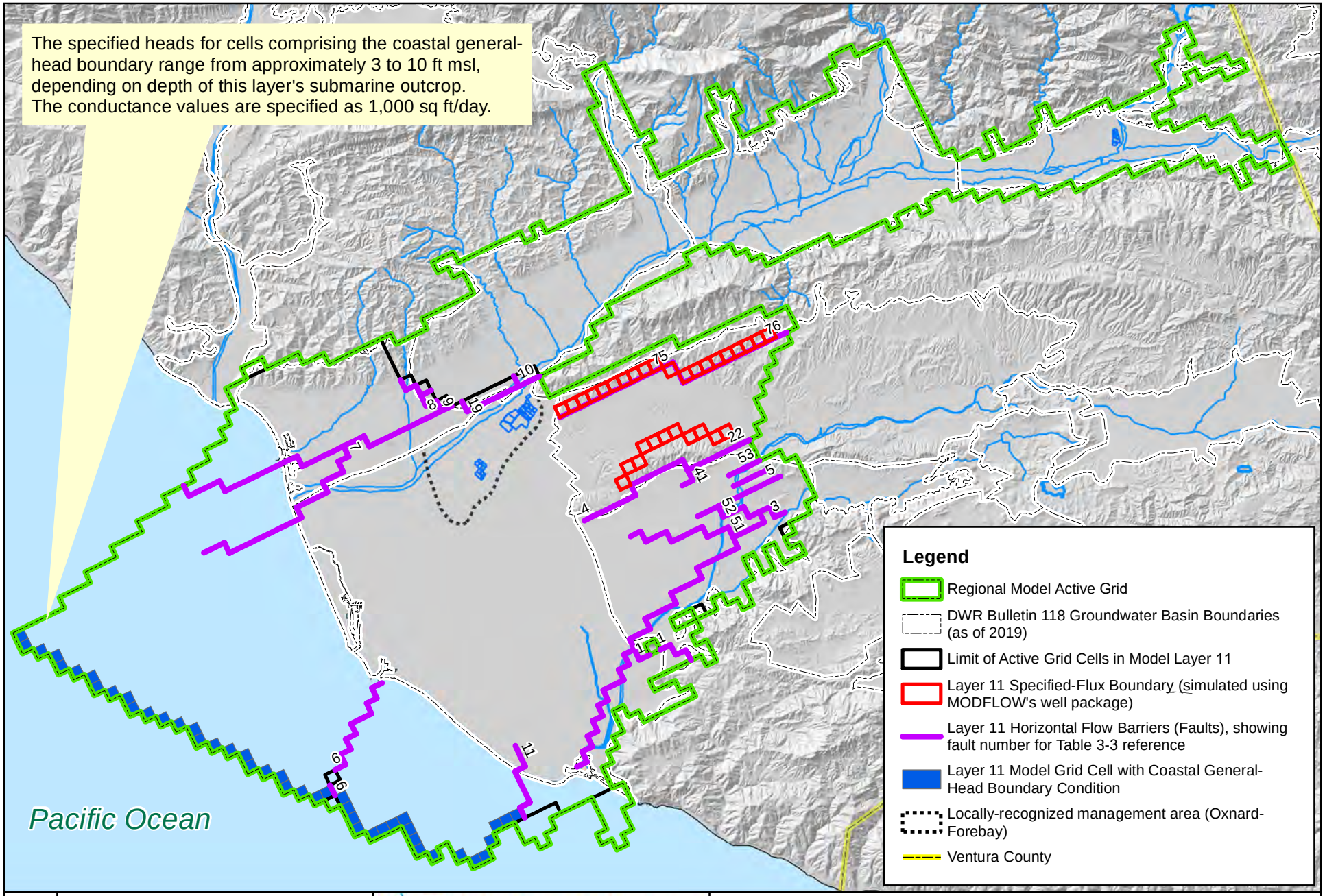

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Figure 3-24.
Boundary Conditions of Model Layer 11

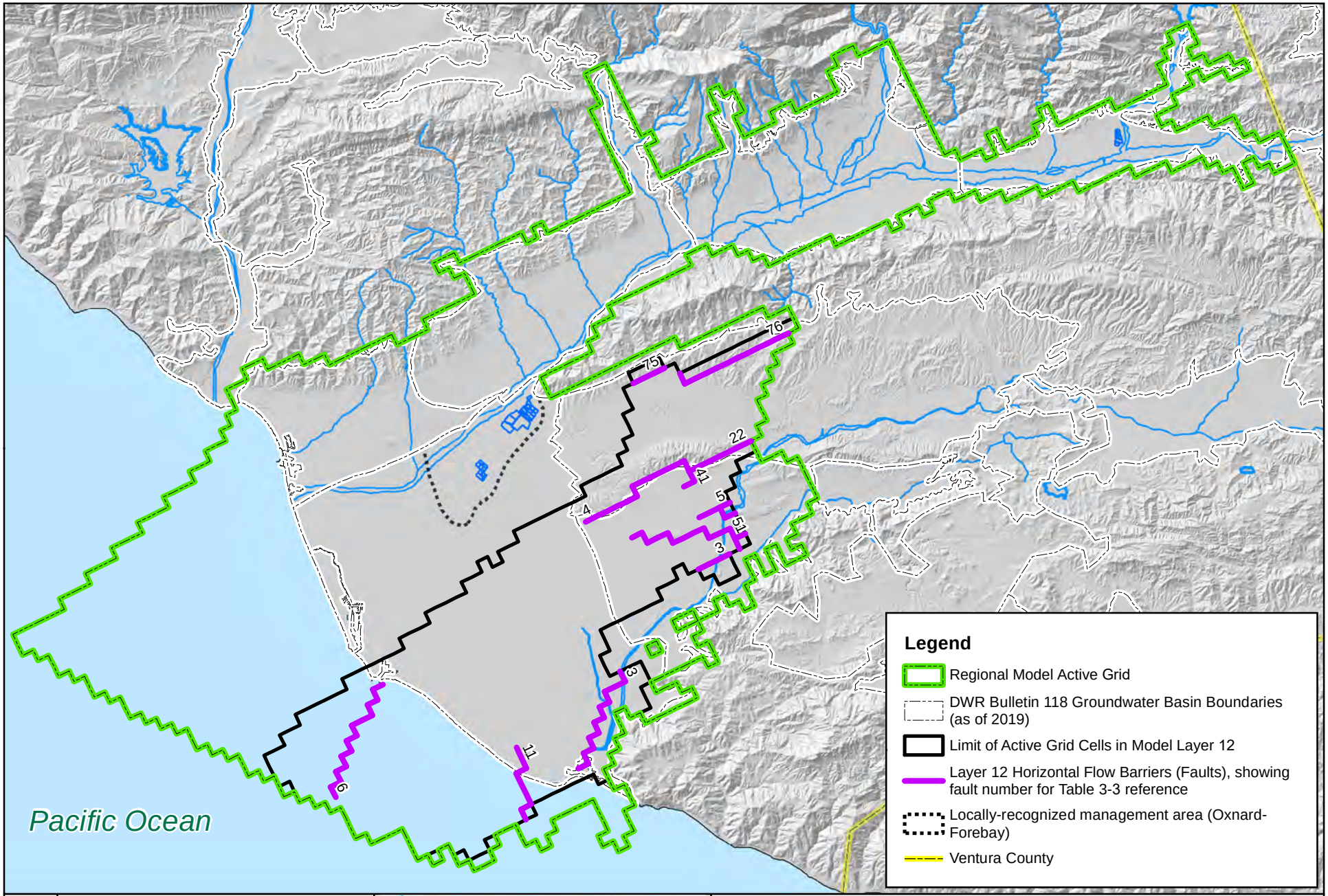

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Figure 3-25.
Boundary Conditions of Model Layer 12

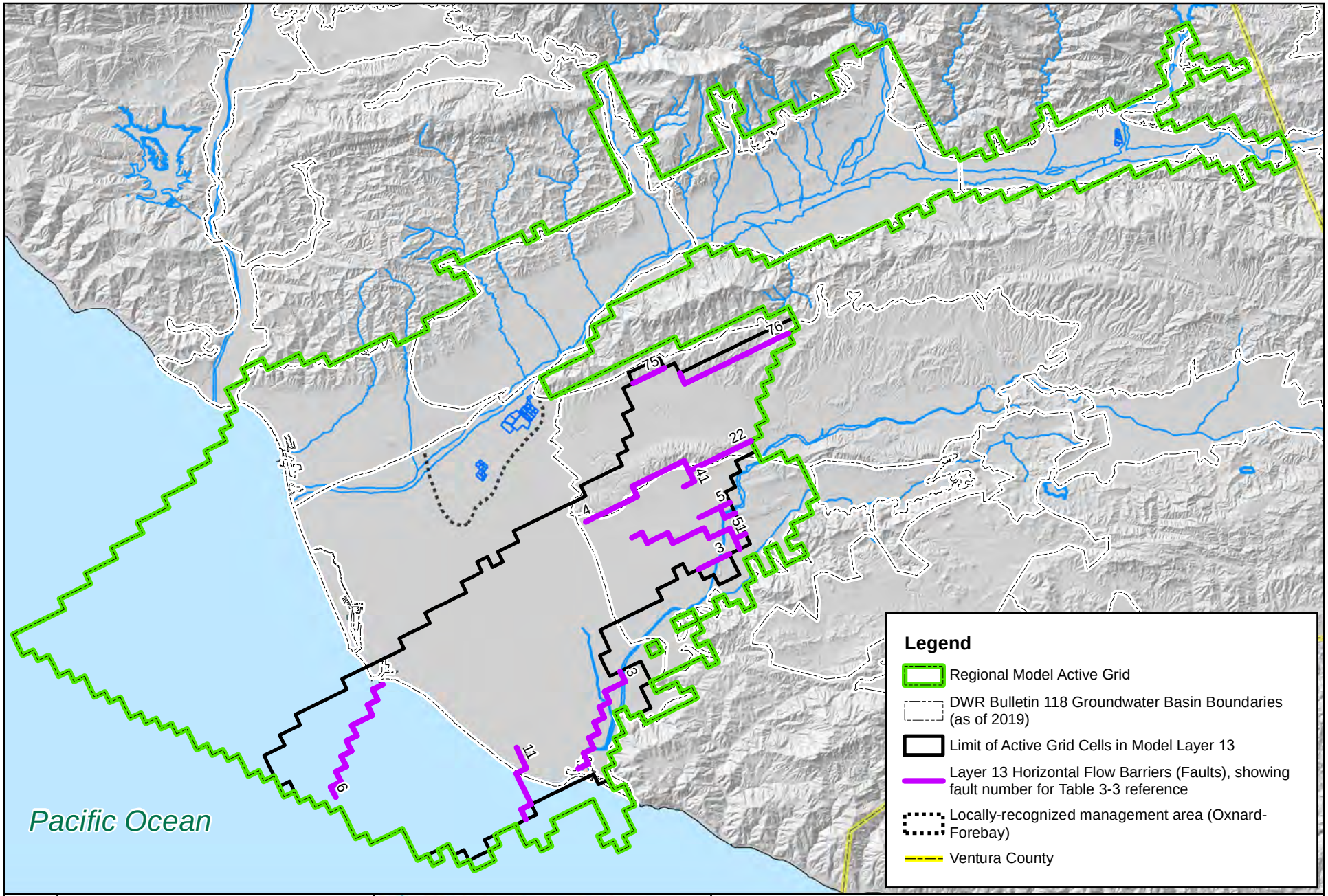

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Figure 3-26.
Boundary Conditions of Model Layer 13

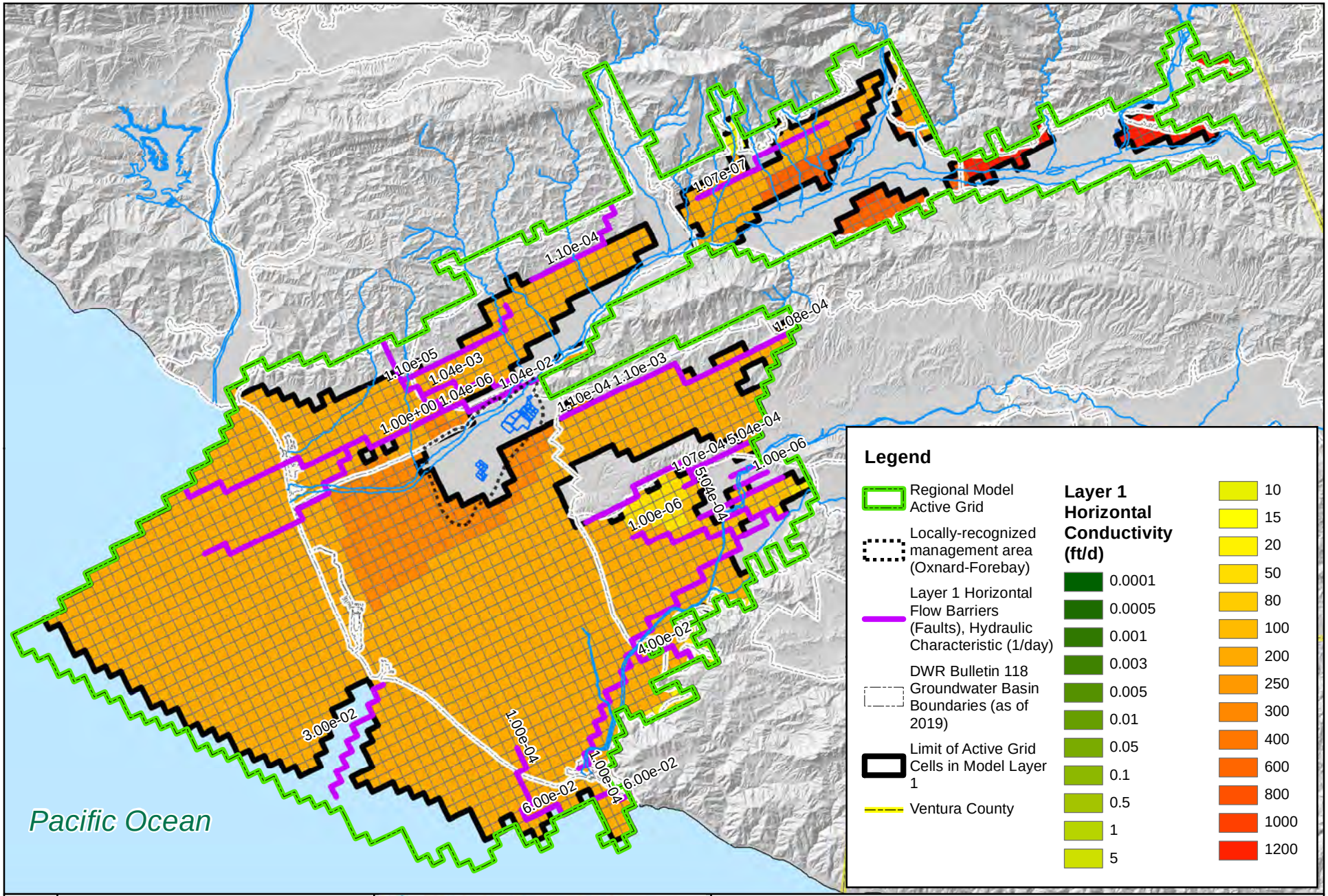

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Figure 3-27.
Horizontal Hydraulic Conductivity of Model Layer 1

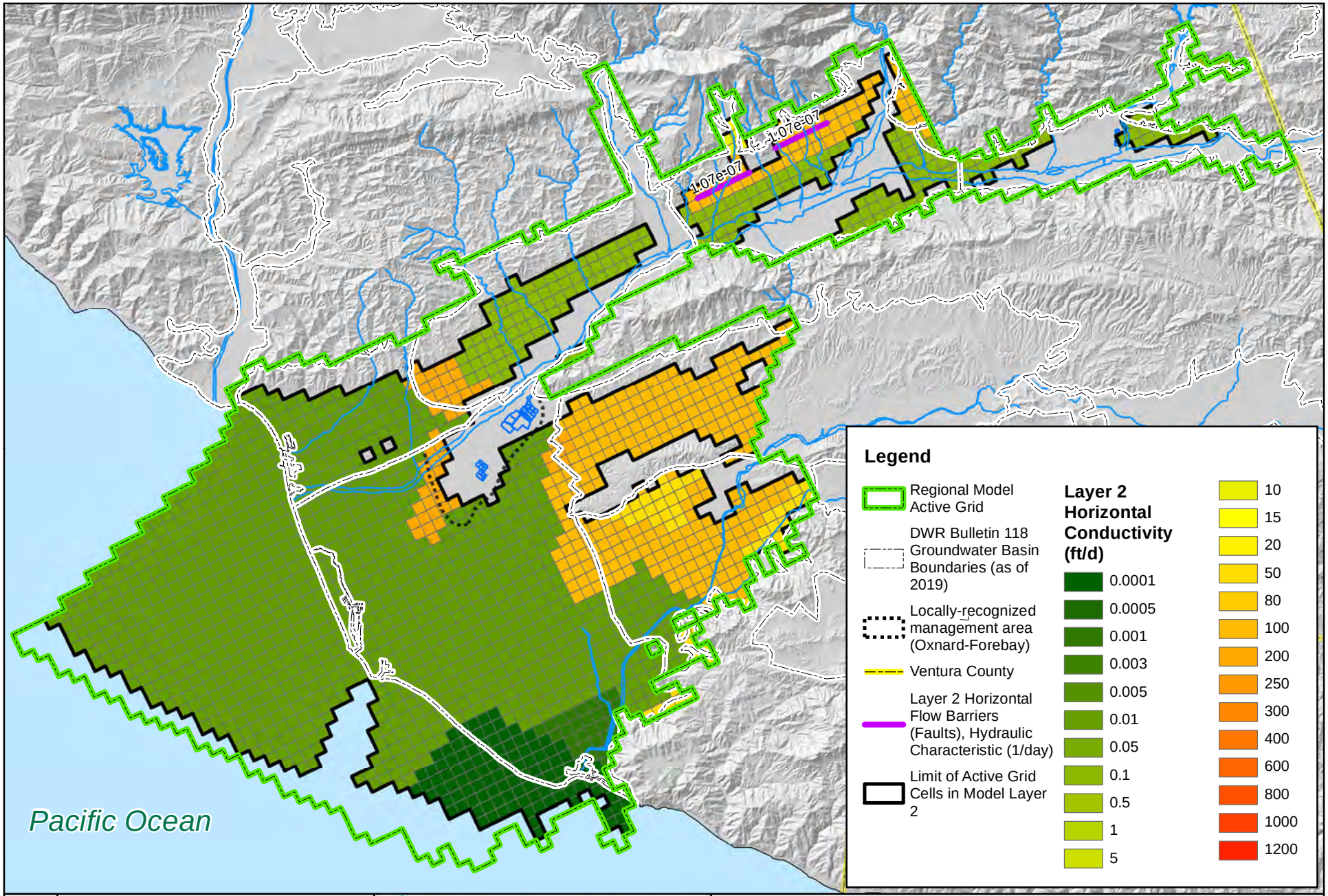

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Figure 3-28.
Horizontal Hydraulic Conductivity of Model Layer 2

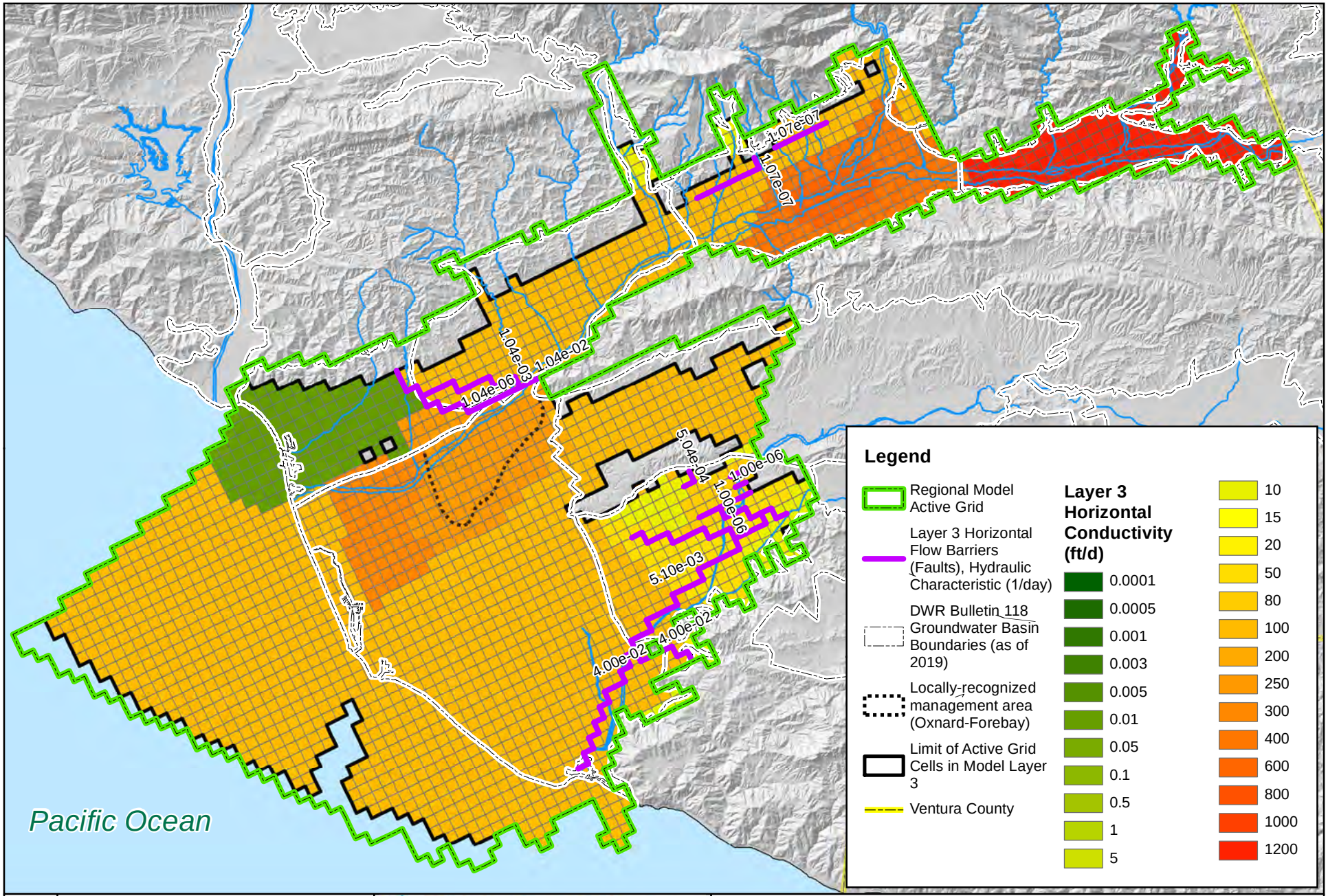

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Figure 3-29.
Horizontal Hydraulic Conductivity of Model Layer 3

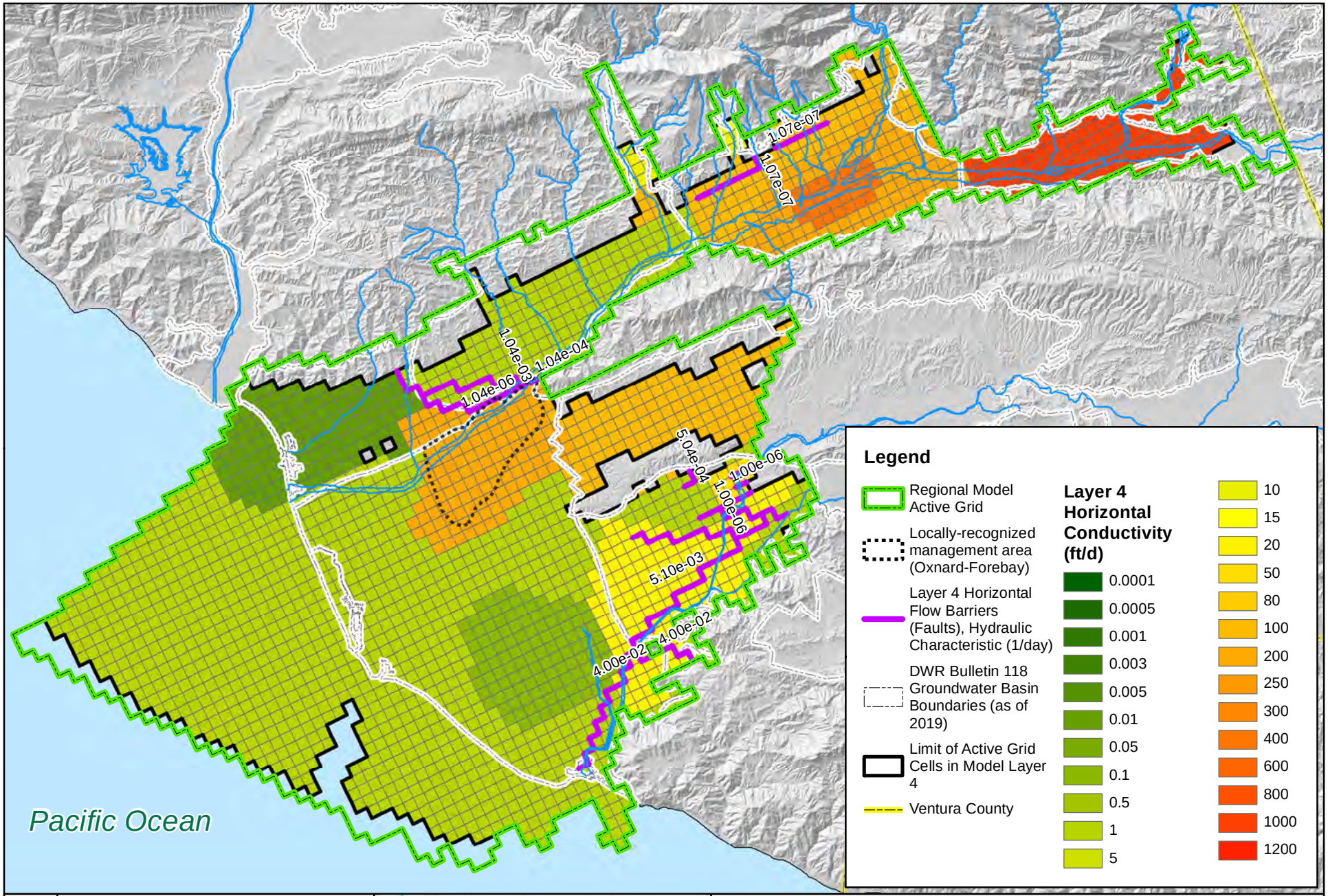

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Figure 3-30.
Horizontal Hydraulic Conductivity of Model Layer 4

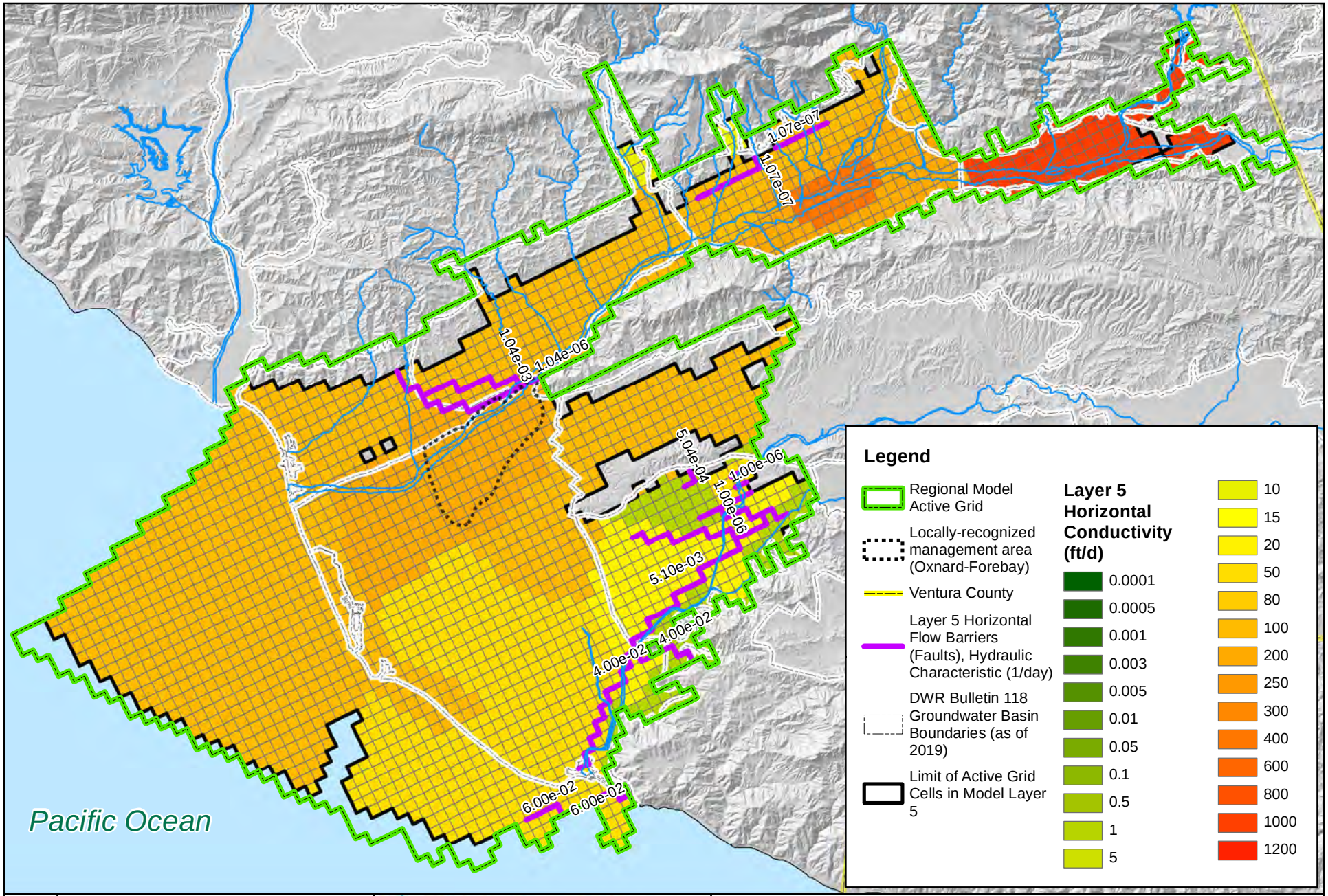

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Figure 3-31.
Horizontal Hydraulic Conductivity of Model Layer 5

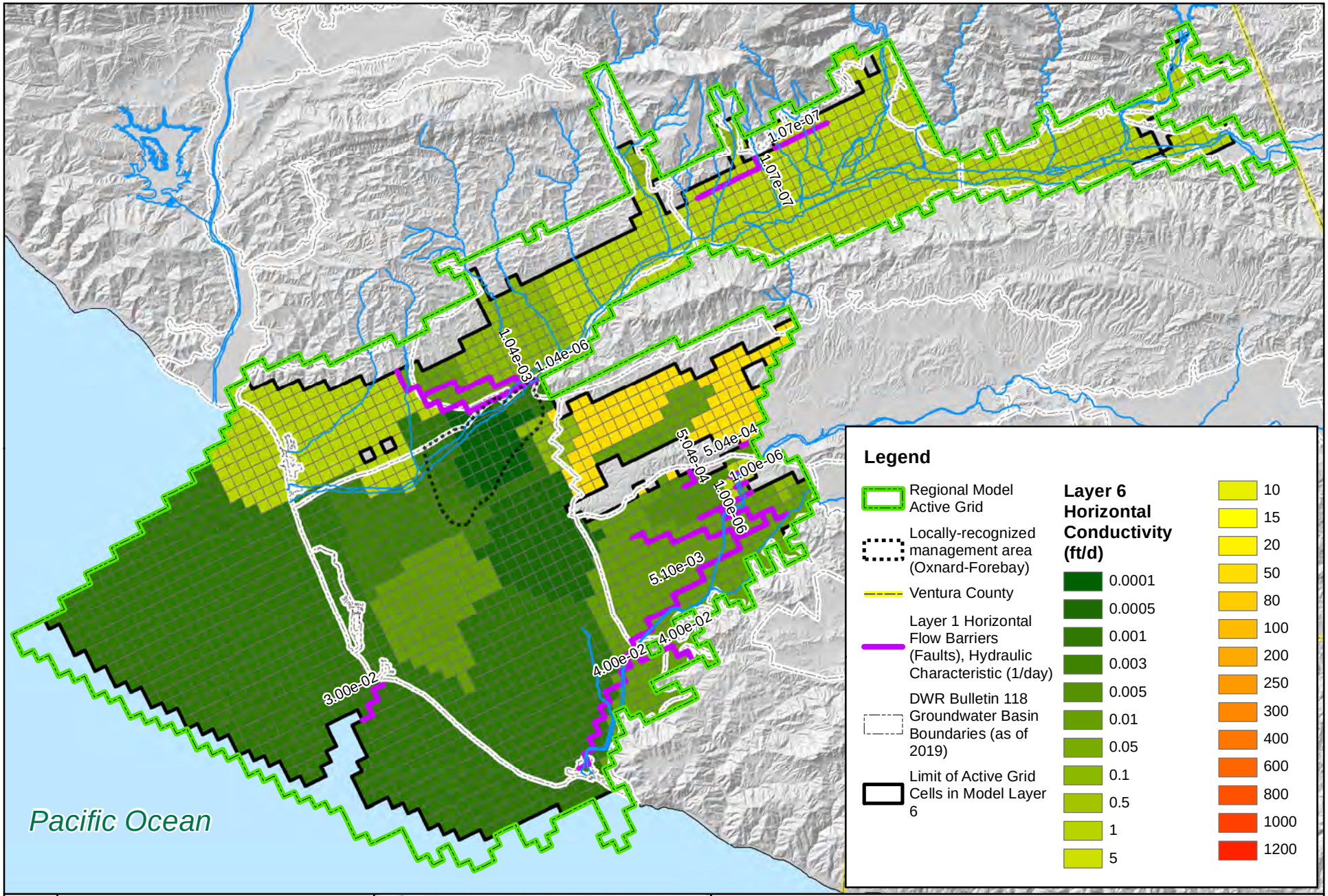

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Figure 3-32.
Horizontal Hydraulic Conductivity of Model Layer 6

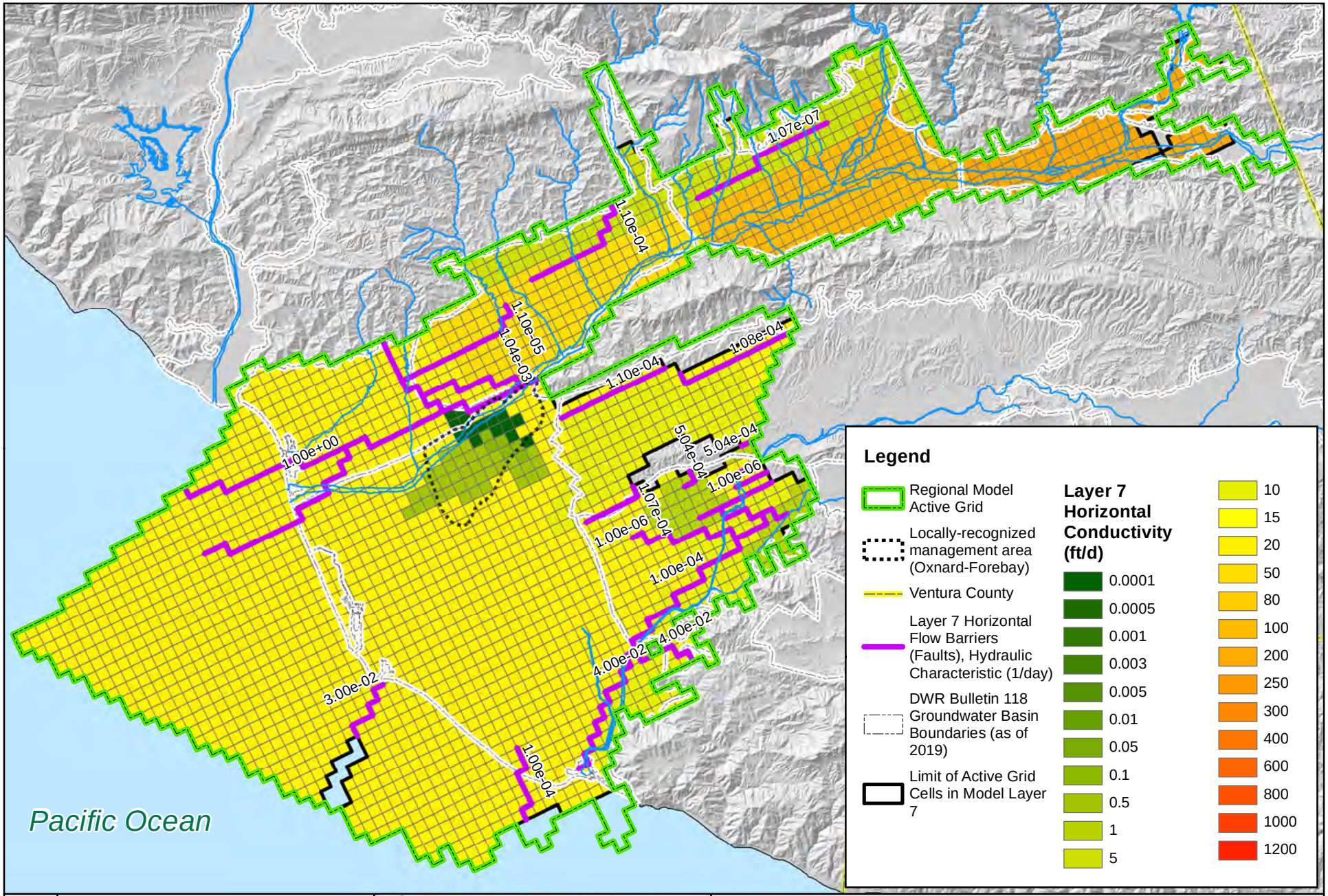

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Figure 3-33.
Horizontal Hydraulic Conductivity of Model Layer 7

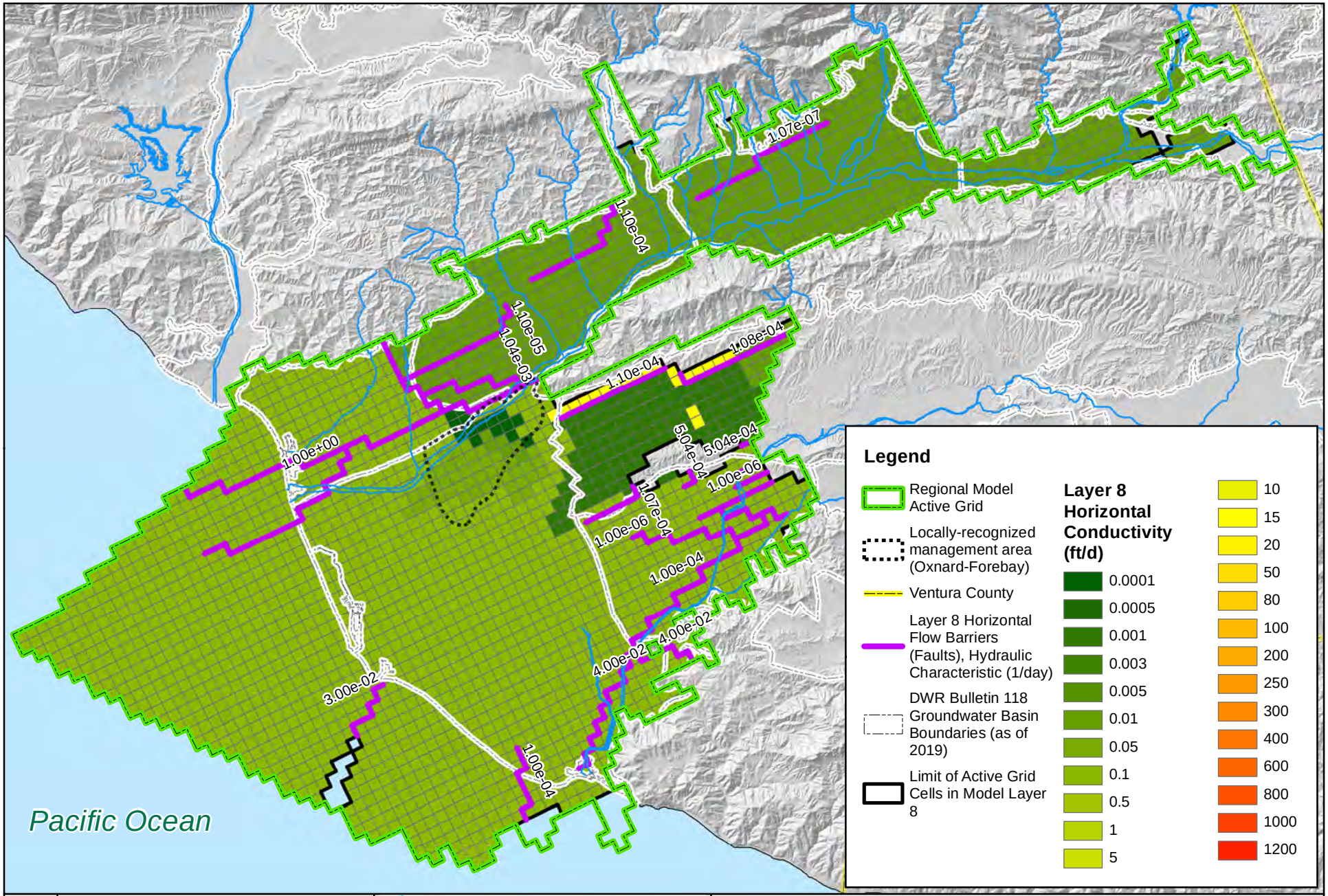

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Figure 3-34.
Horizontal Hydraulic Conductivity of Model Layer 8

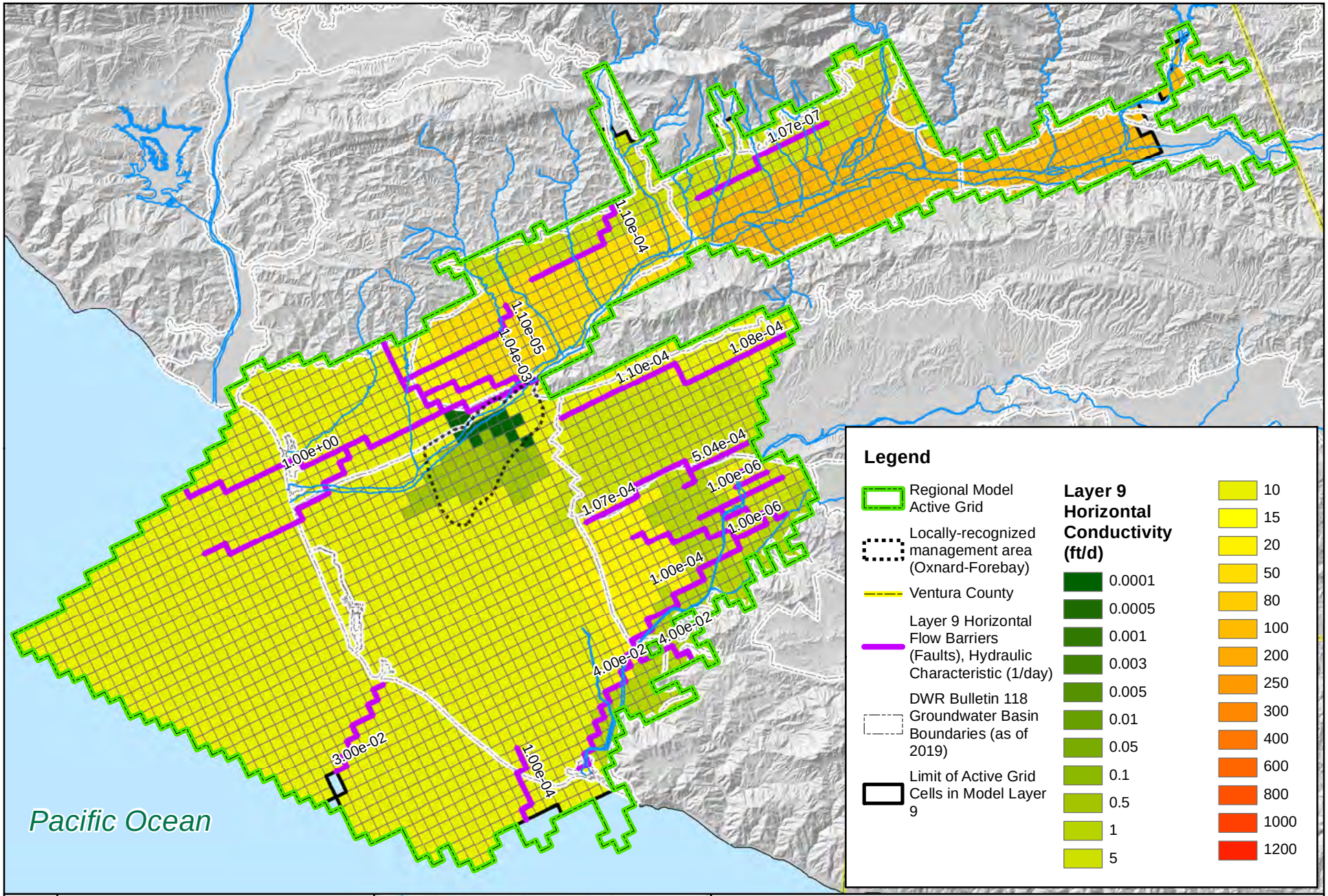

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Figure 3-35.
Horizontal Hydraulic Conductivity of Model Layer 9

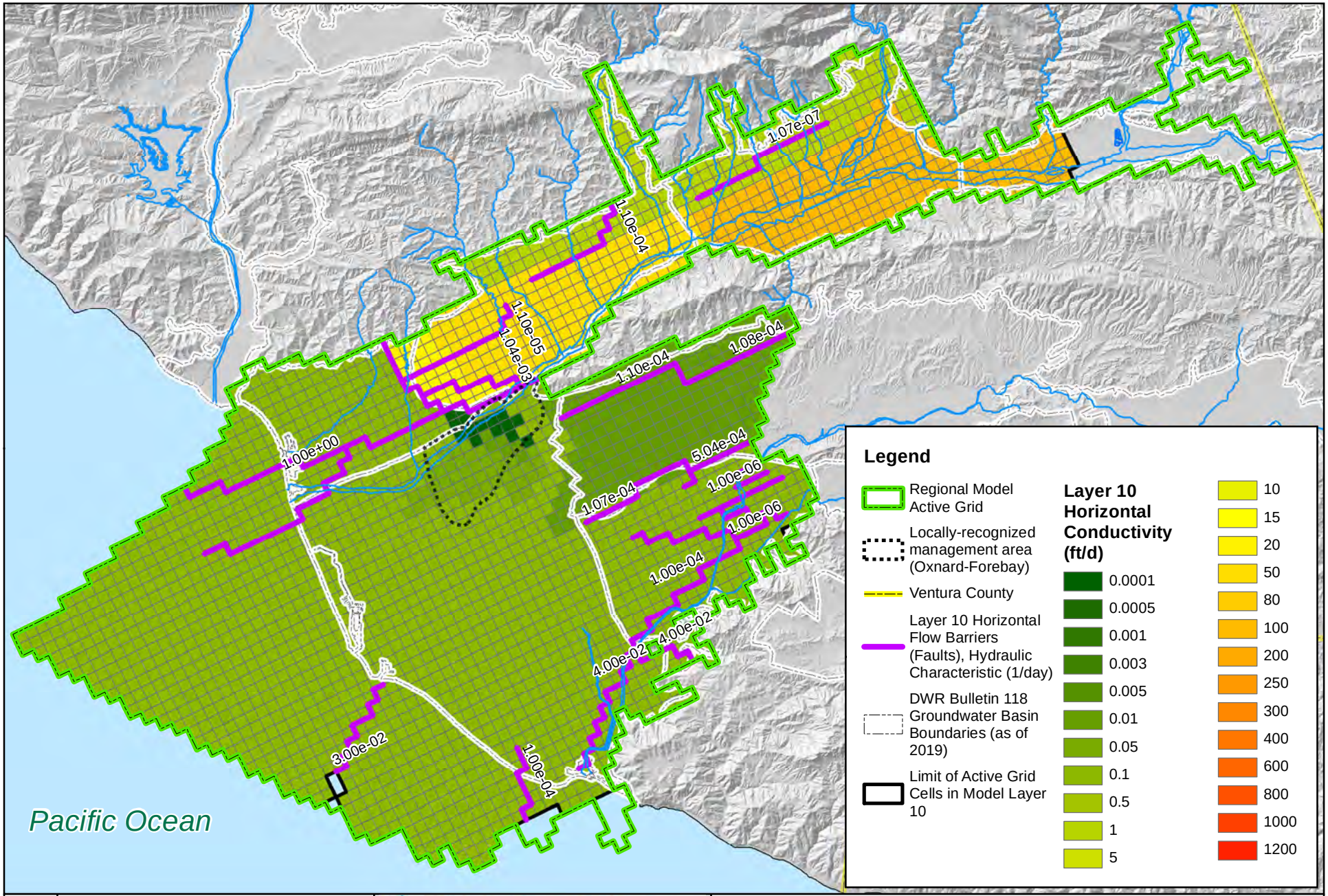

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Figure 3-36.
Horizontal Hydraulic Conductivity of Model Layer 10

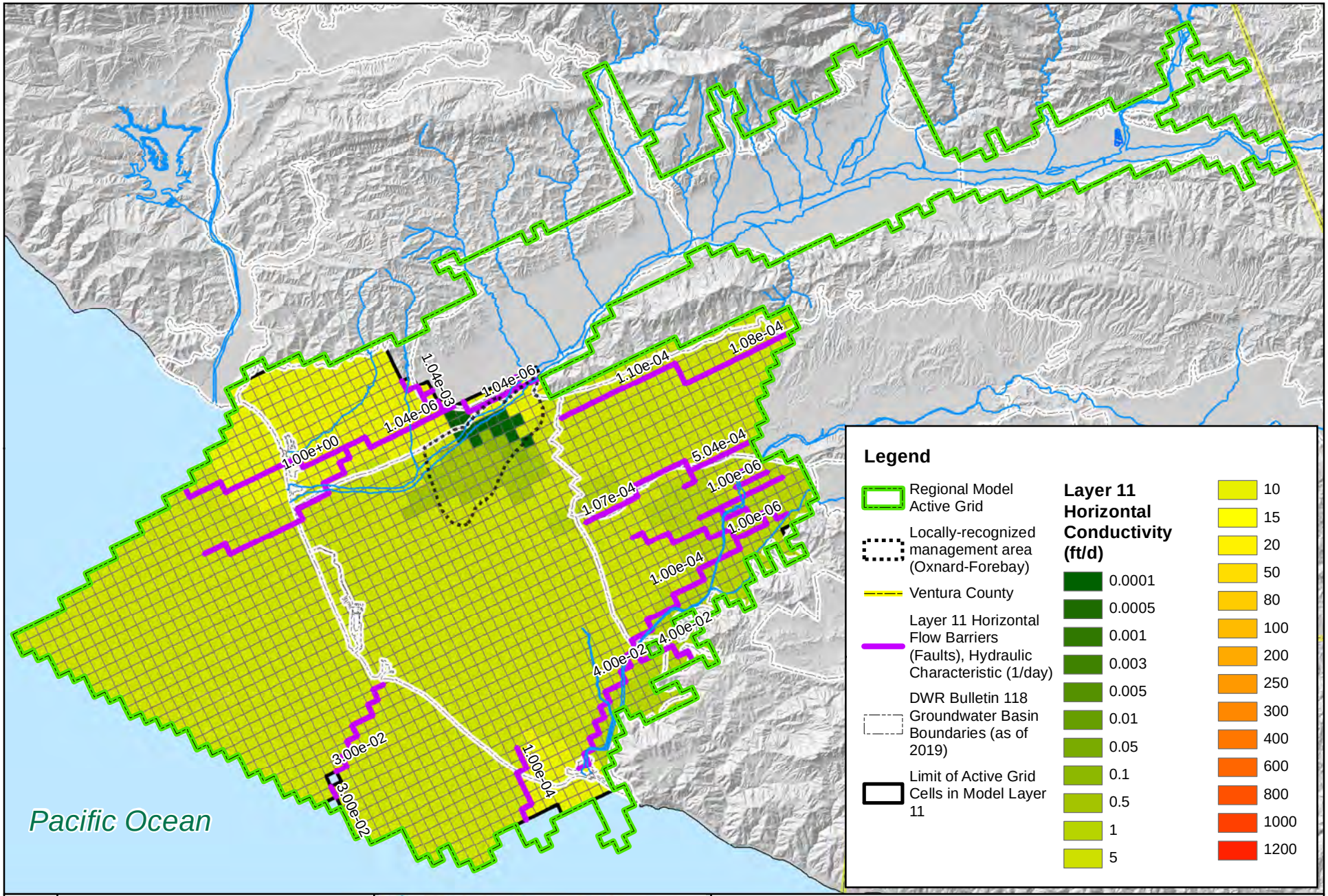

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Figure 3-37.
Horizontal Hydraulic Conductivity of Model Layer 11

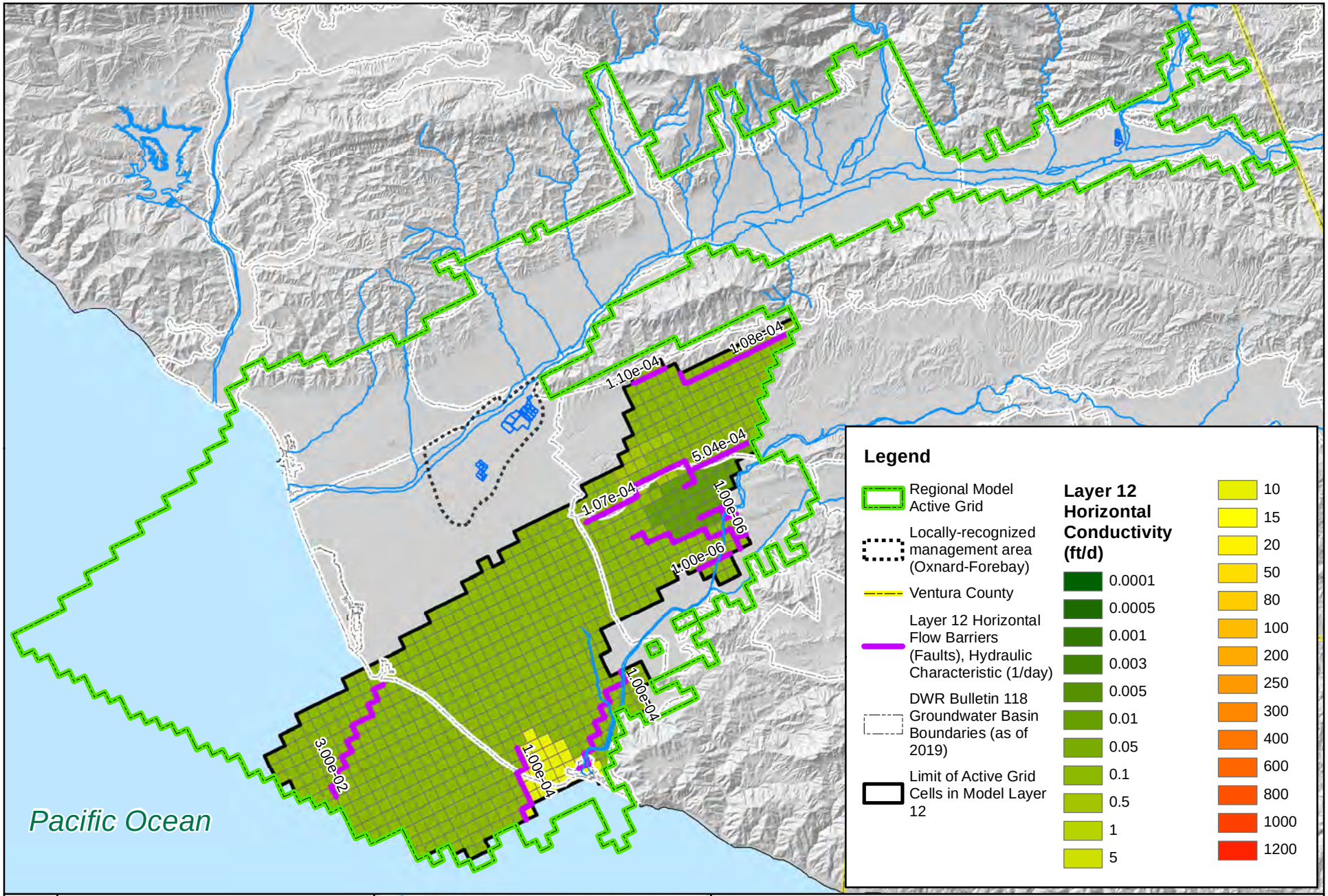

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Figure 3-38.
Horizontal Hydraulic Conductivity of Model Layer 12

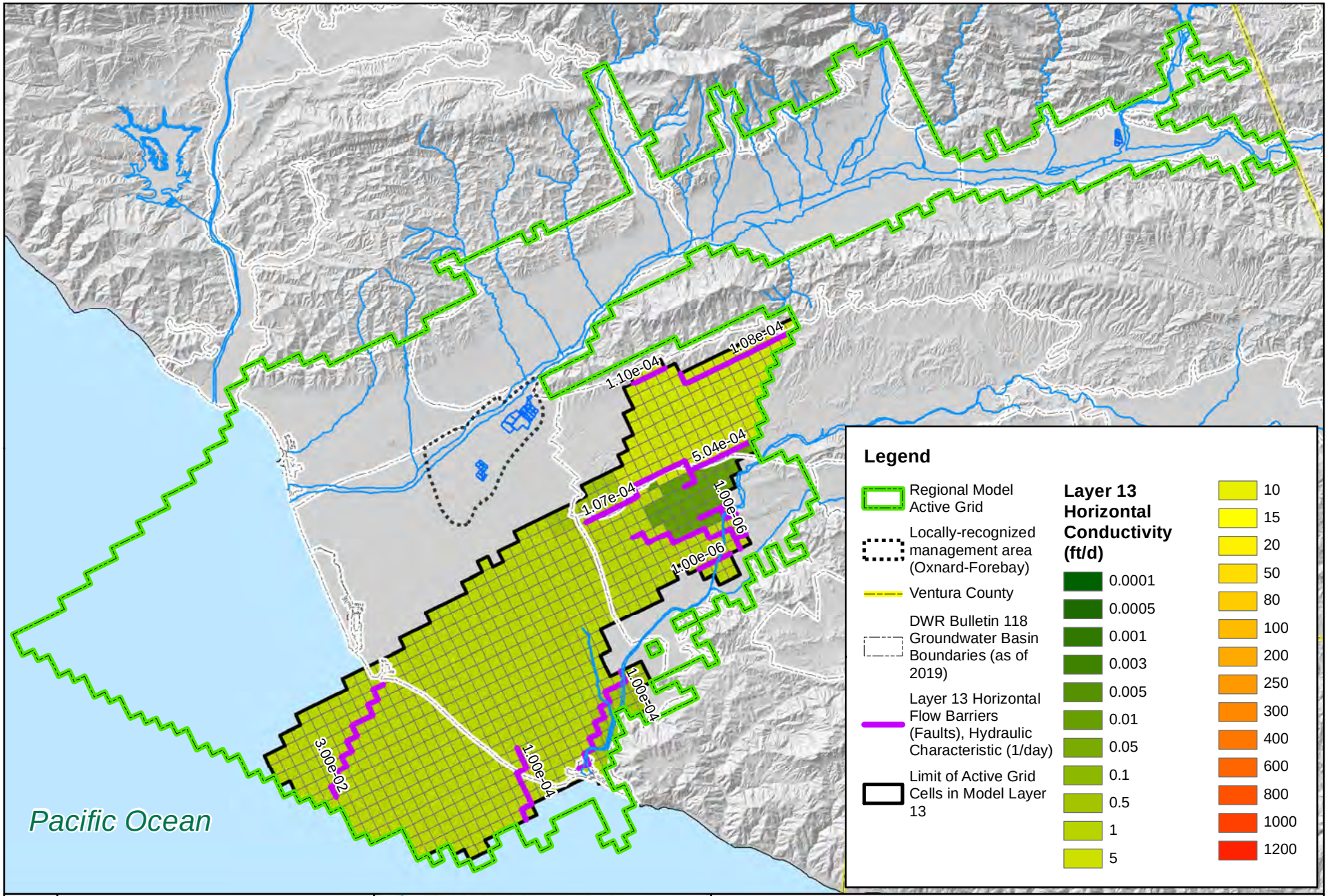

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Figure 3-39.
Horizontal Hydraulic Conductivity of Model Layer 13

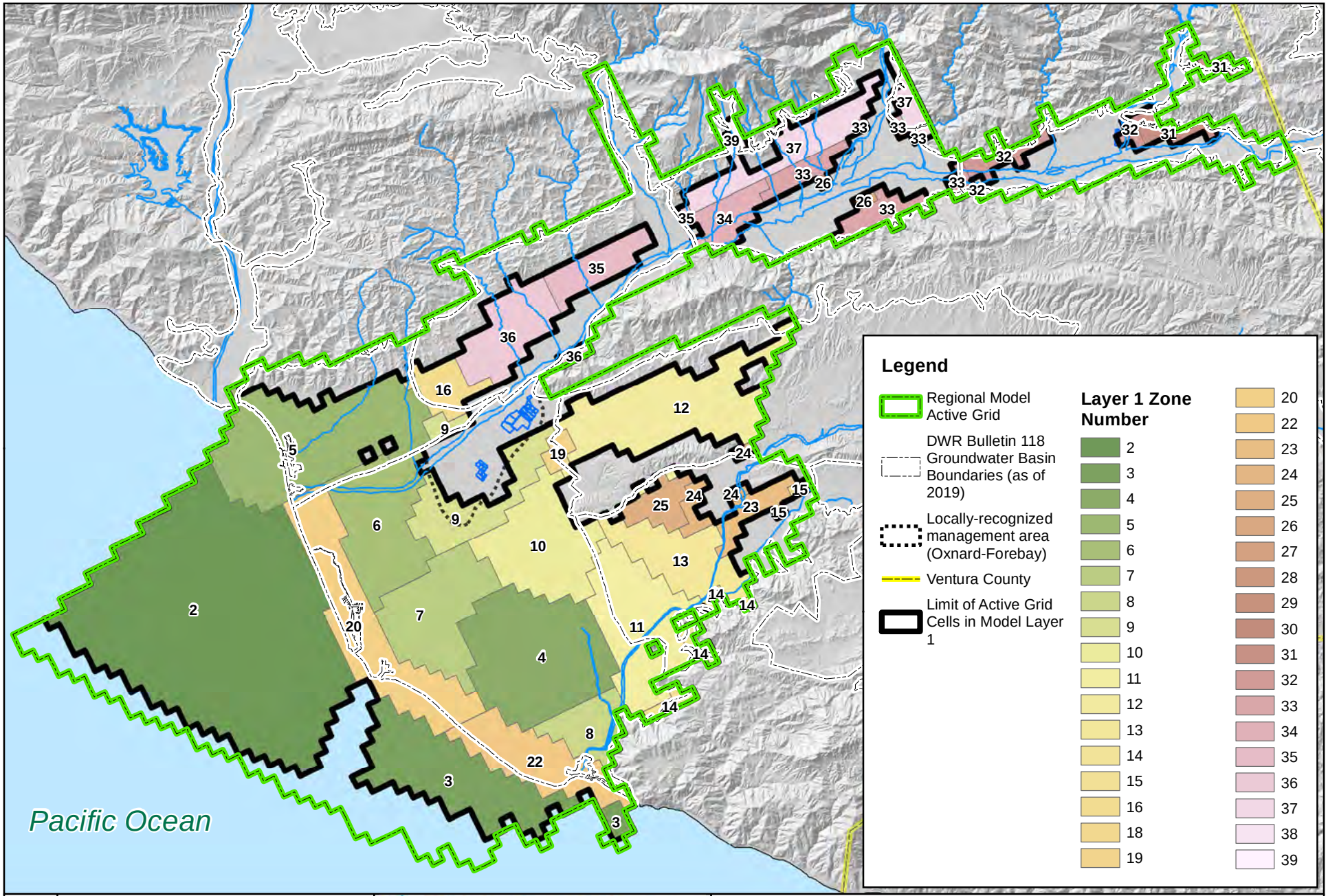

Figure 3-40.
Parameter Zone Numbers of Model Layer 1

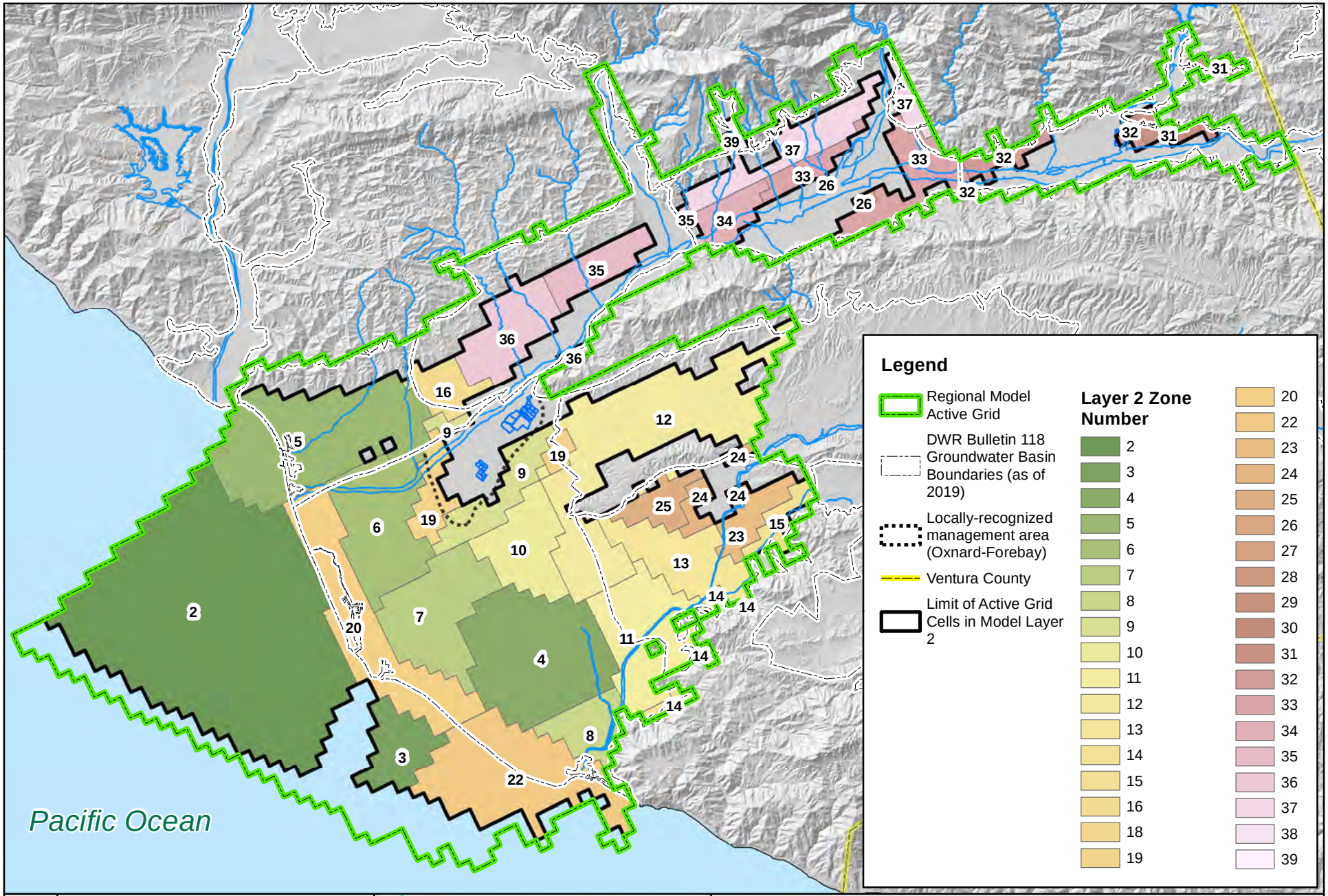

Figure 3-41.
Parameter Zone Numbers of Model Layer 2

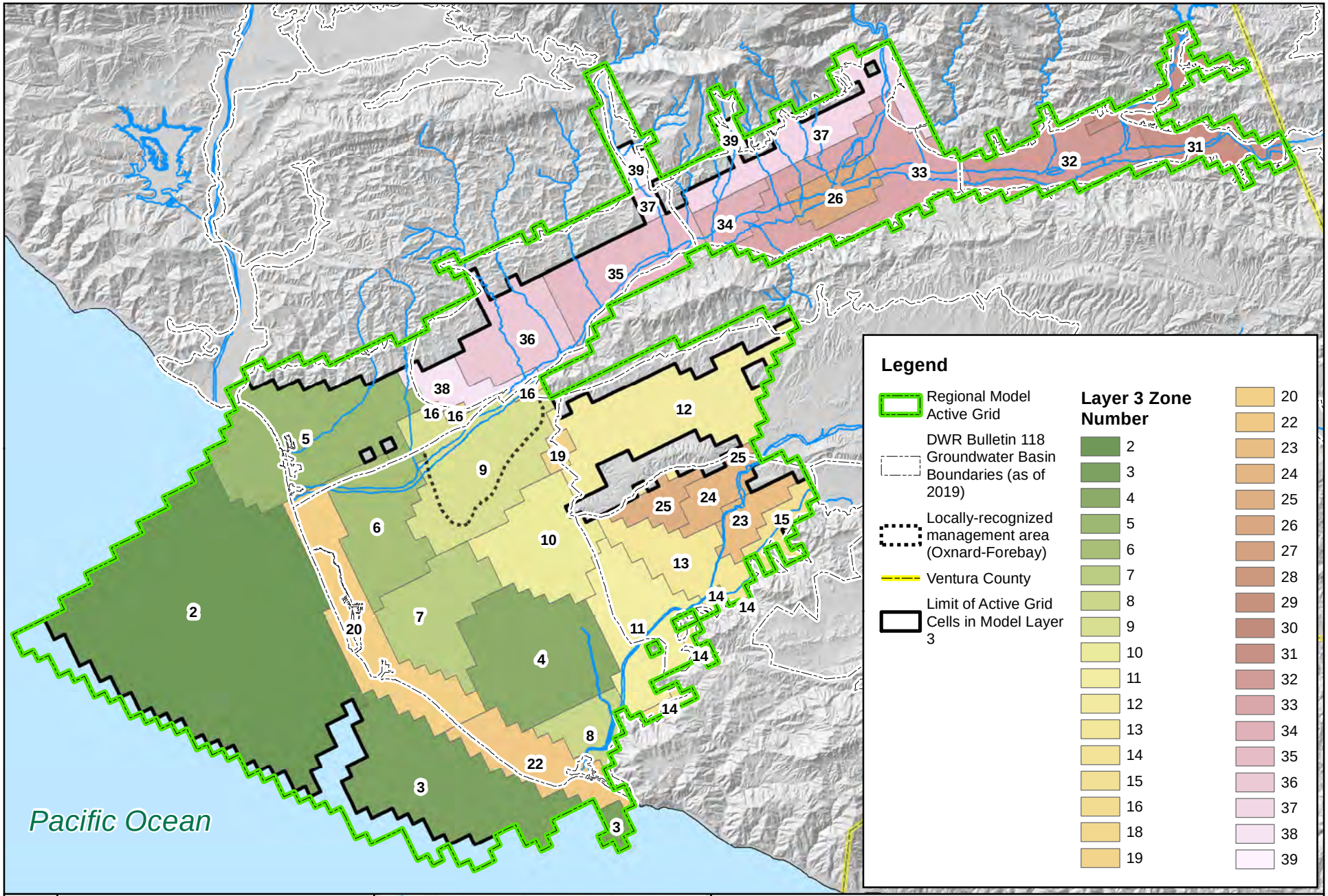

Figure 3-42.
Parameter Zone Numbers of Model Layer 3

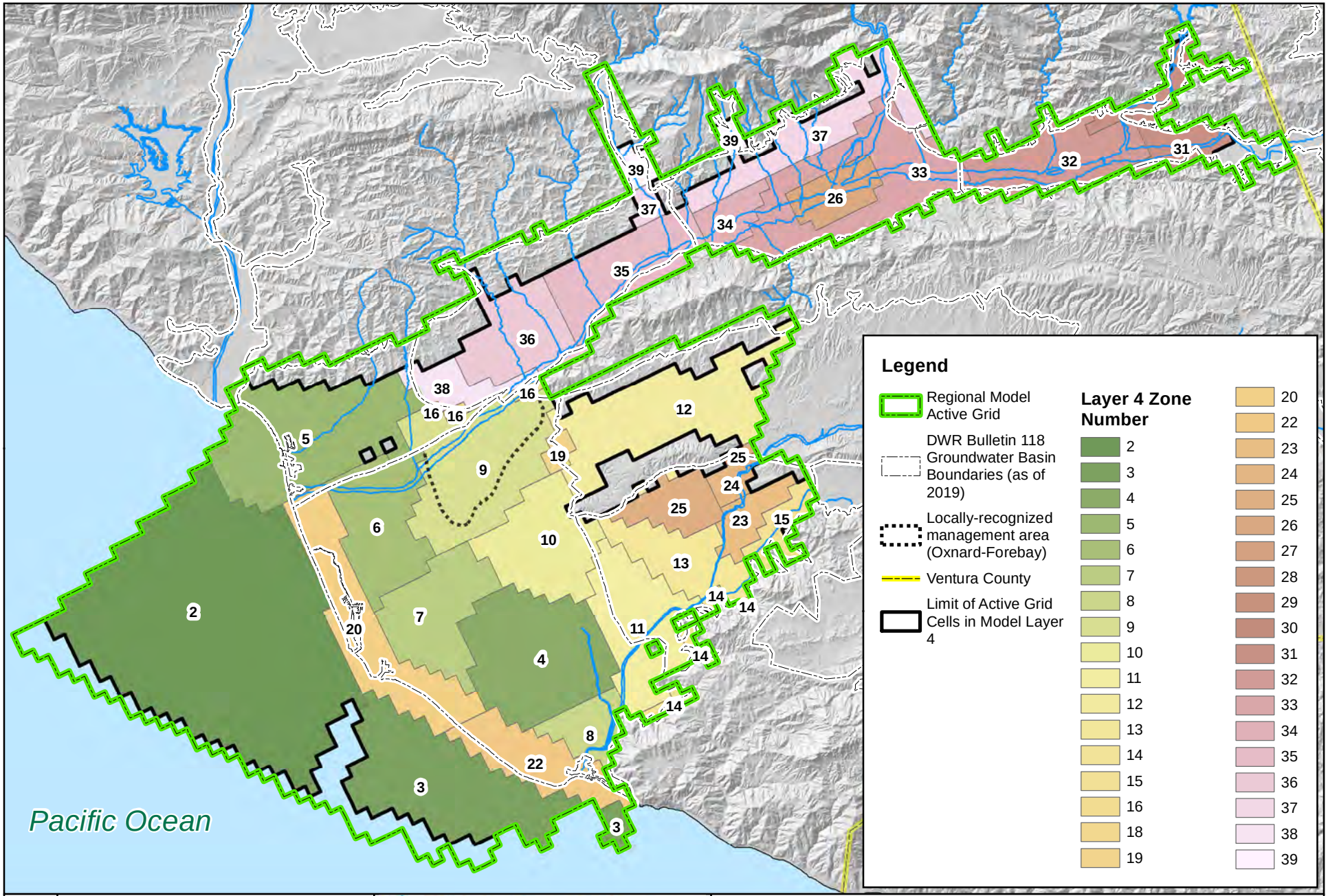

Figure 3-43.
Parameter Zone Numbers of Model Layer 4

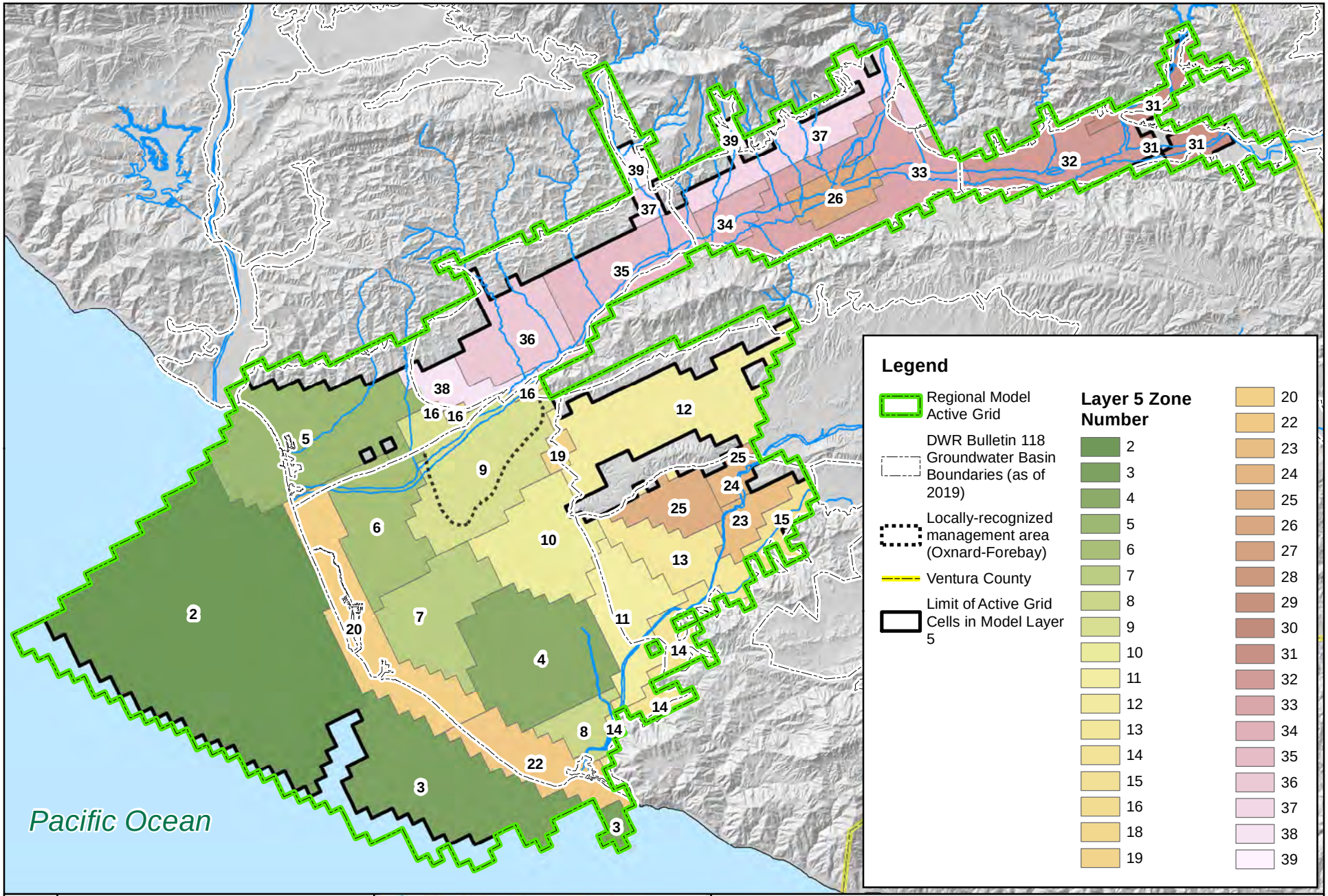

Figure 3-44.
Parameter Zone Numbers of Model Layer 5

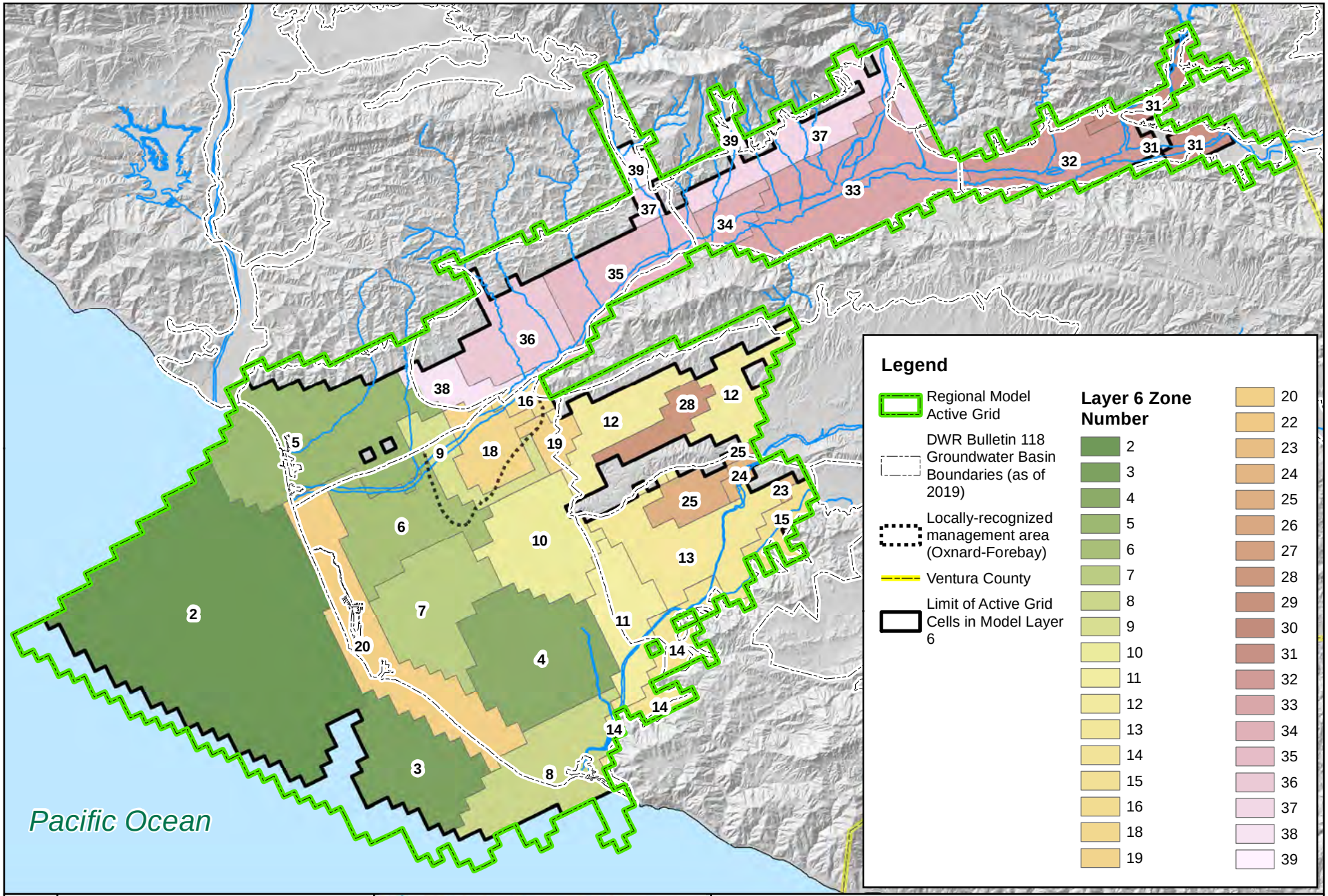

Figure 3-45.
Parameter Zone Numbers of Model Layer 6

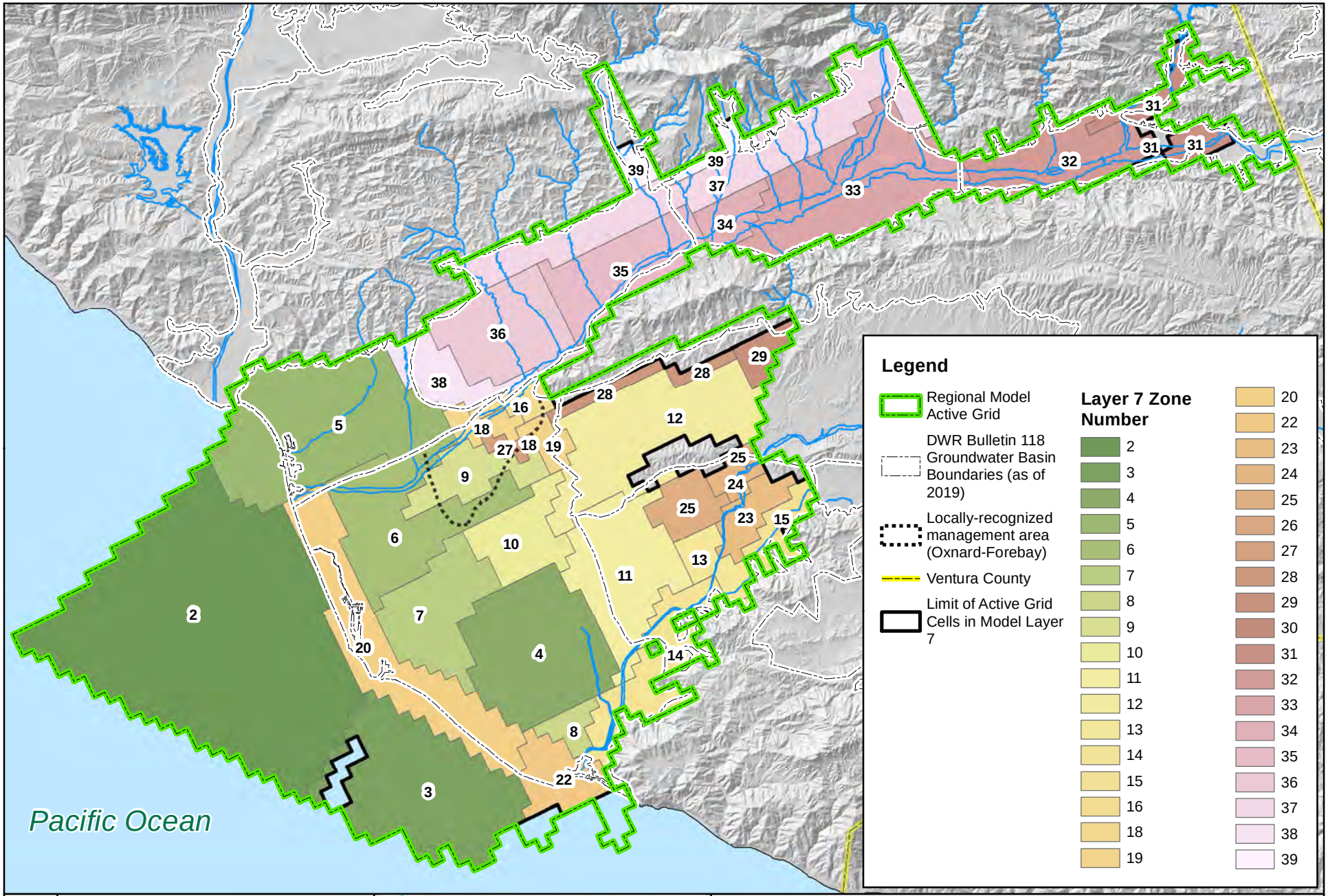

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Figure 3-46.
Parameter Zone Numbers of Model Layer 7

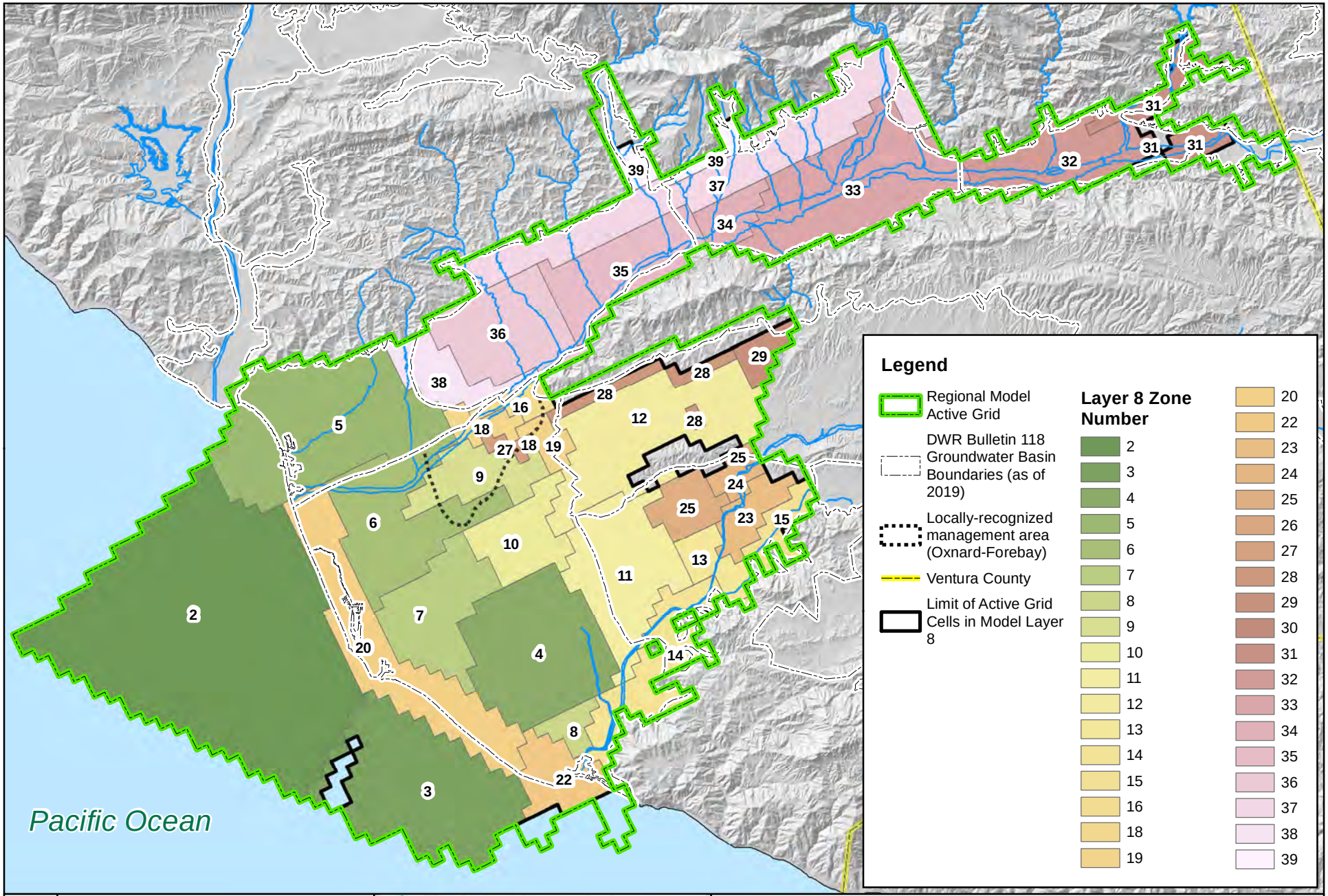

Figure 3-47.
Parameter Zone Numbers of Model Layer 8

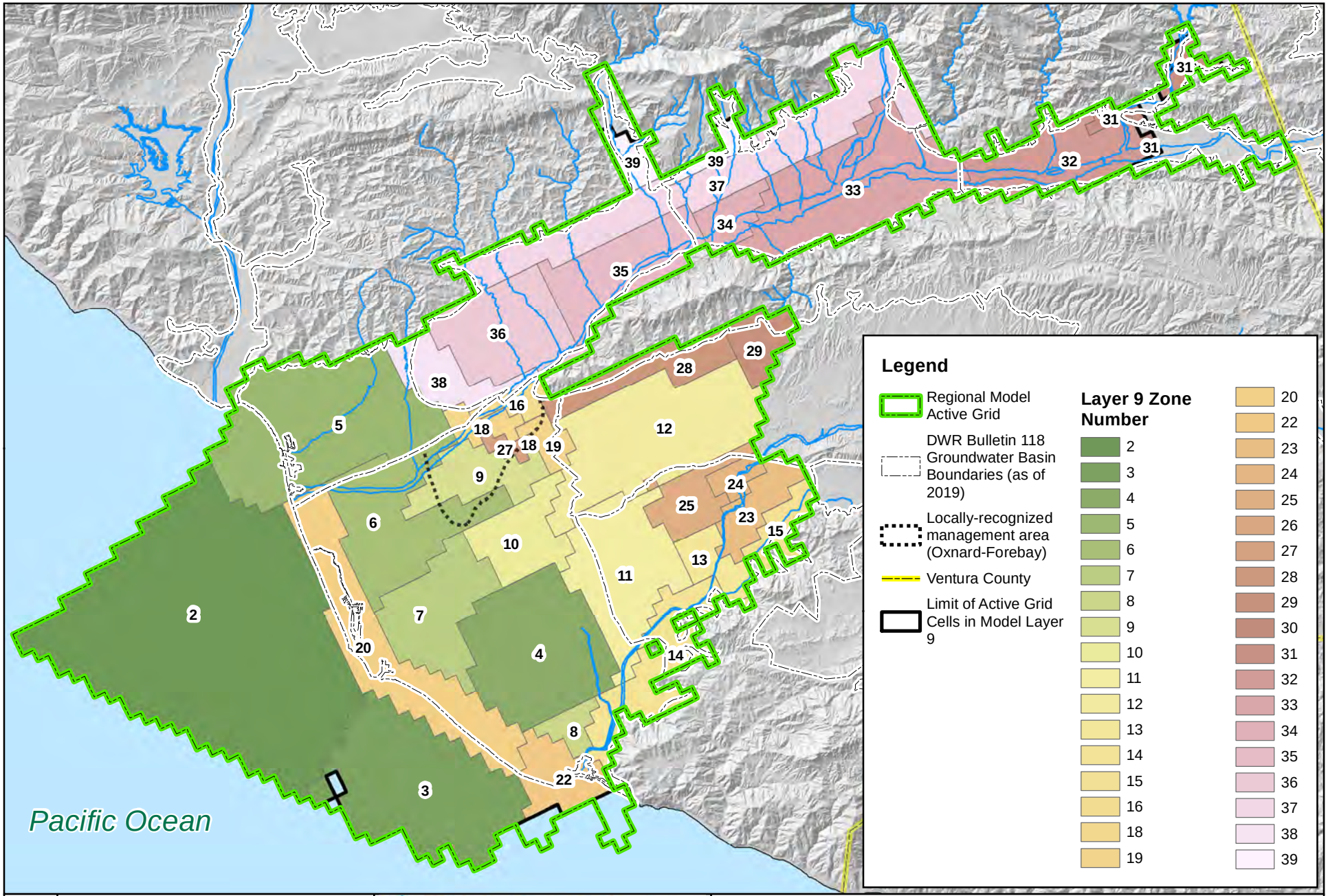

Figure 3-48.
Parameter Zone Numbers of Model Layer 9

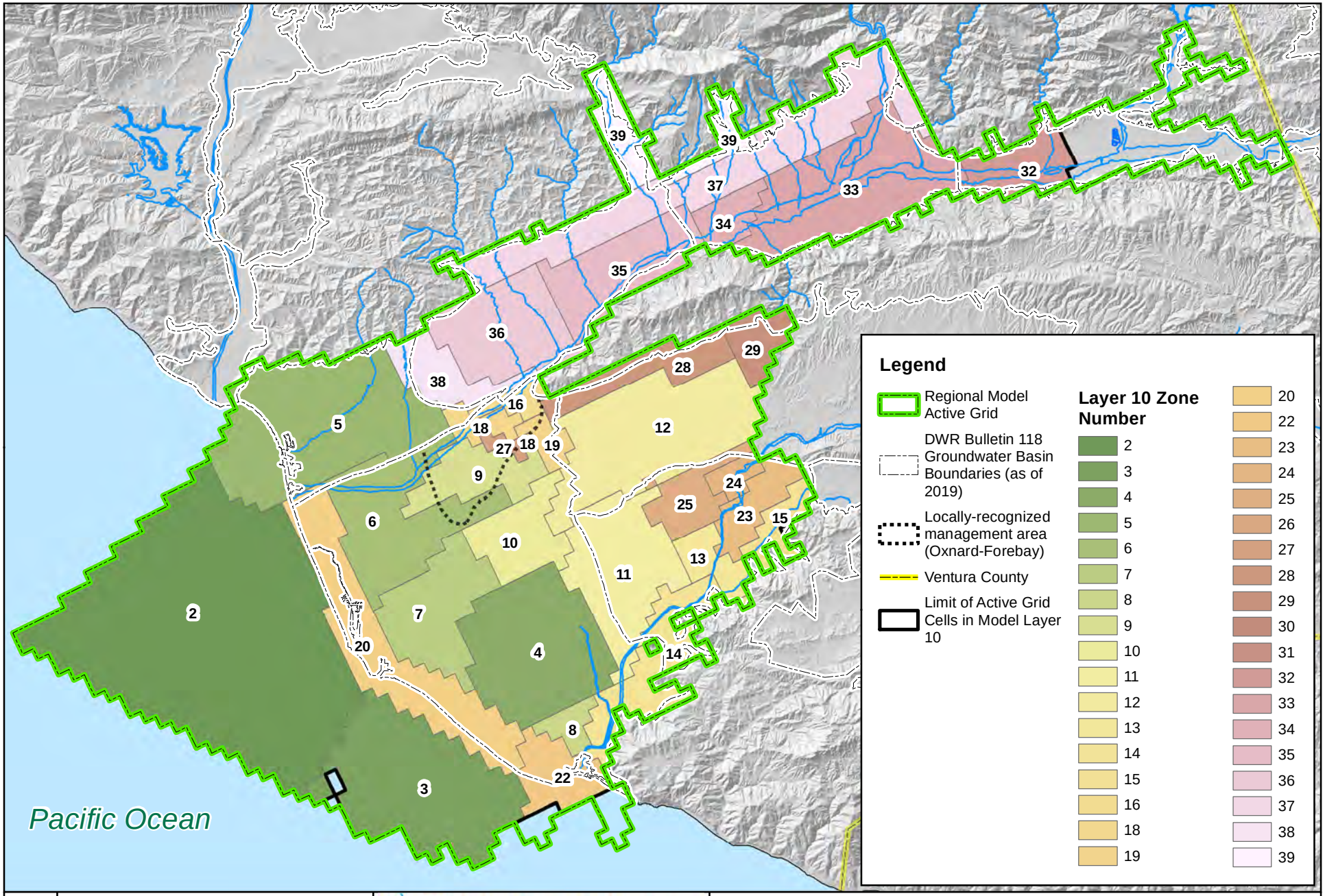

Figure 3-49.
Parameter Zone Numbers of Model Layer 10

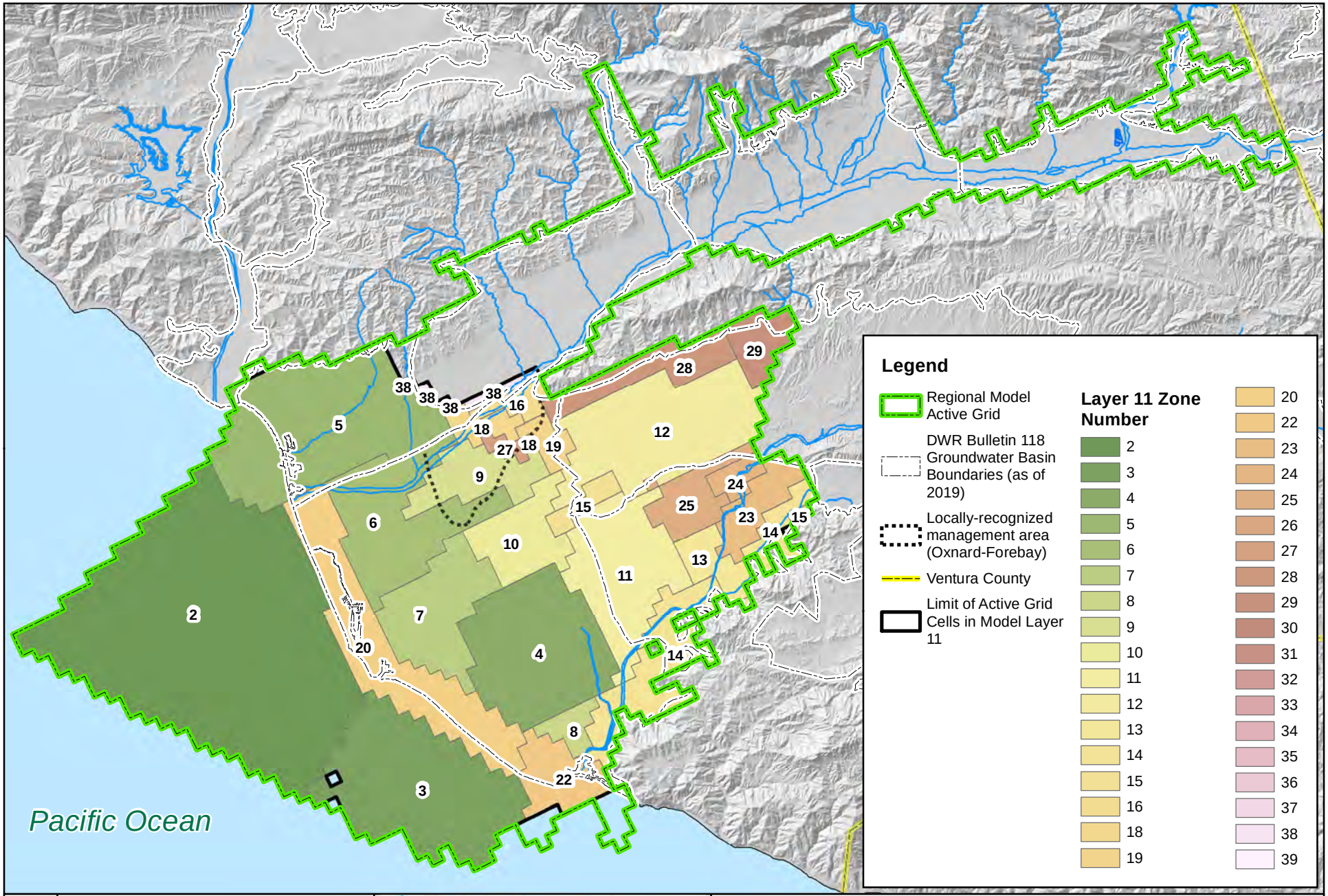

Figure 3-50.
Parameter Zone Numbers of Model Layer 11

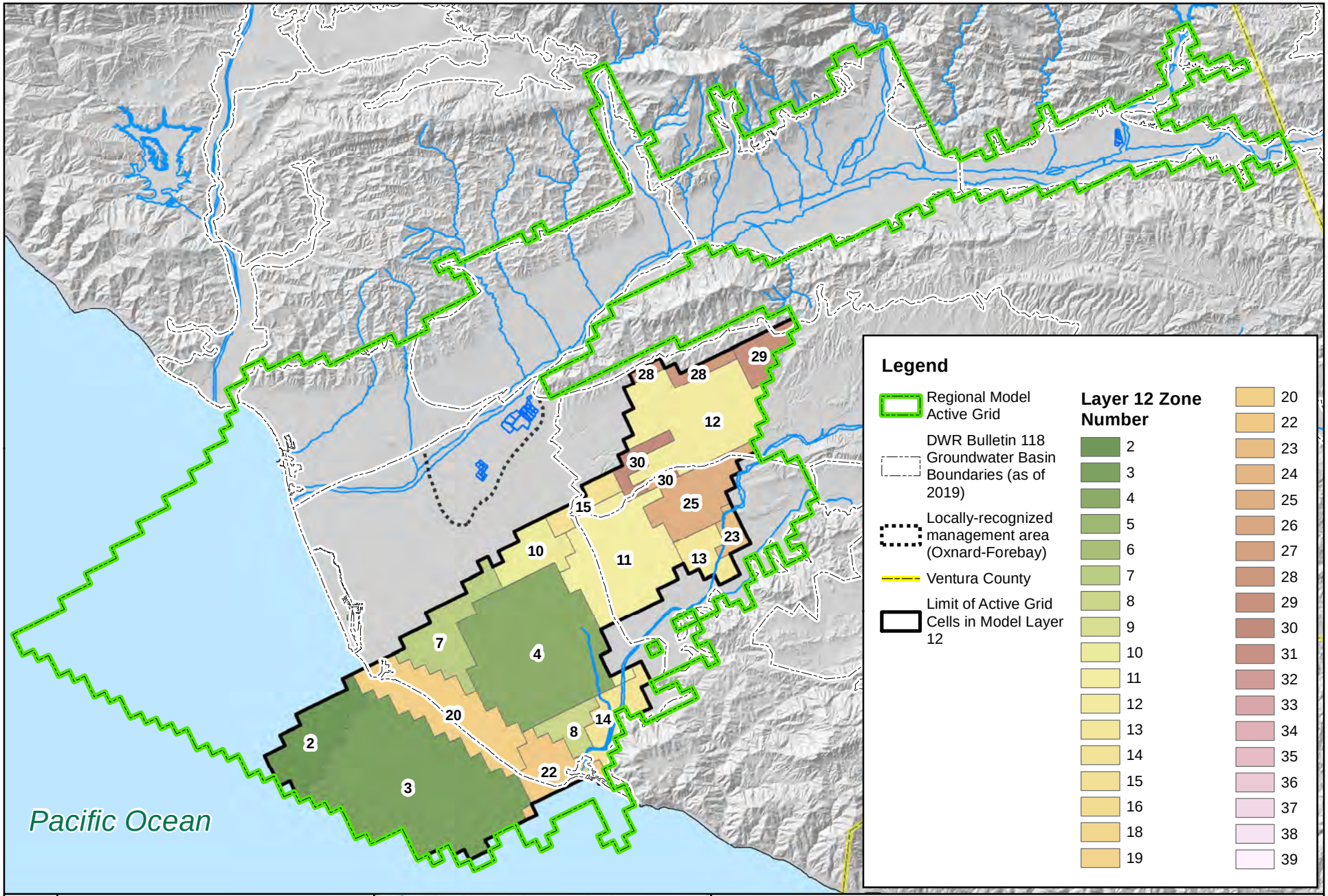

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Figure 3-51.
Parameter Zone Numbers of Model Layer 12

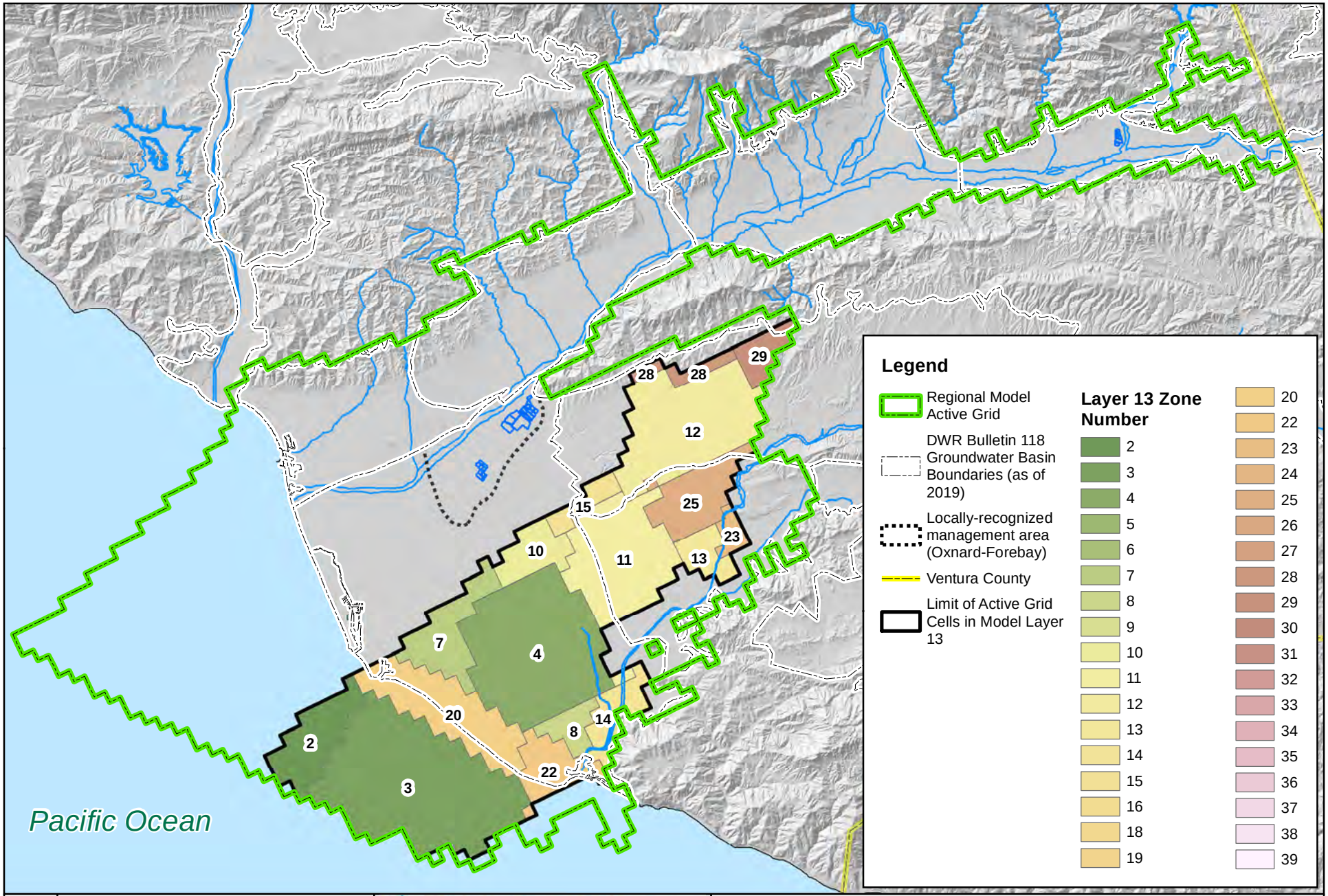

Figure 3-52.
Parameter Zone Numbers of Model Layer 13

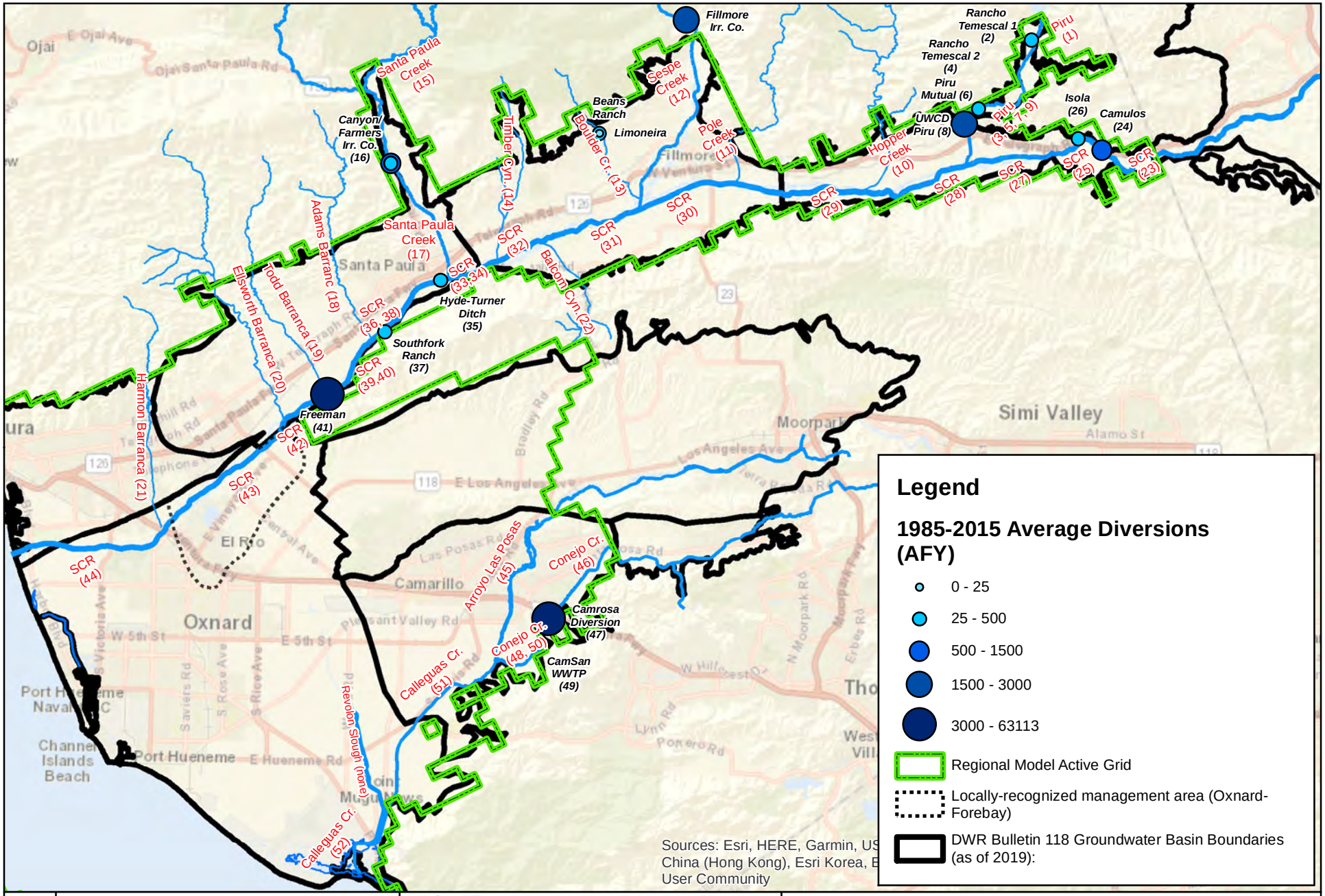

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Figure 3-53.
Simulated Stream Segments and Diversions in Regional Model

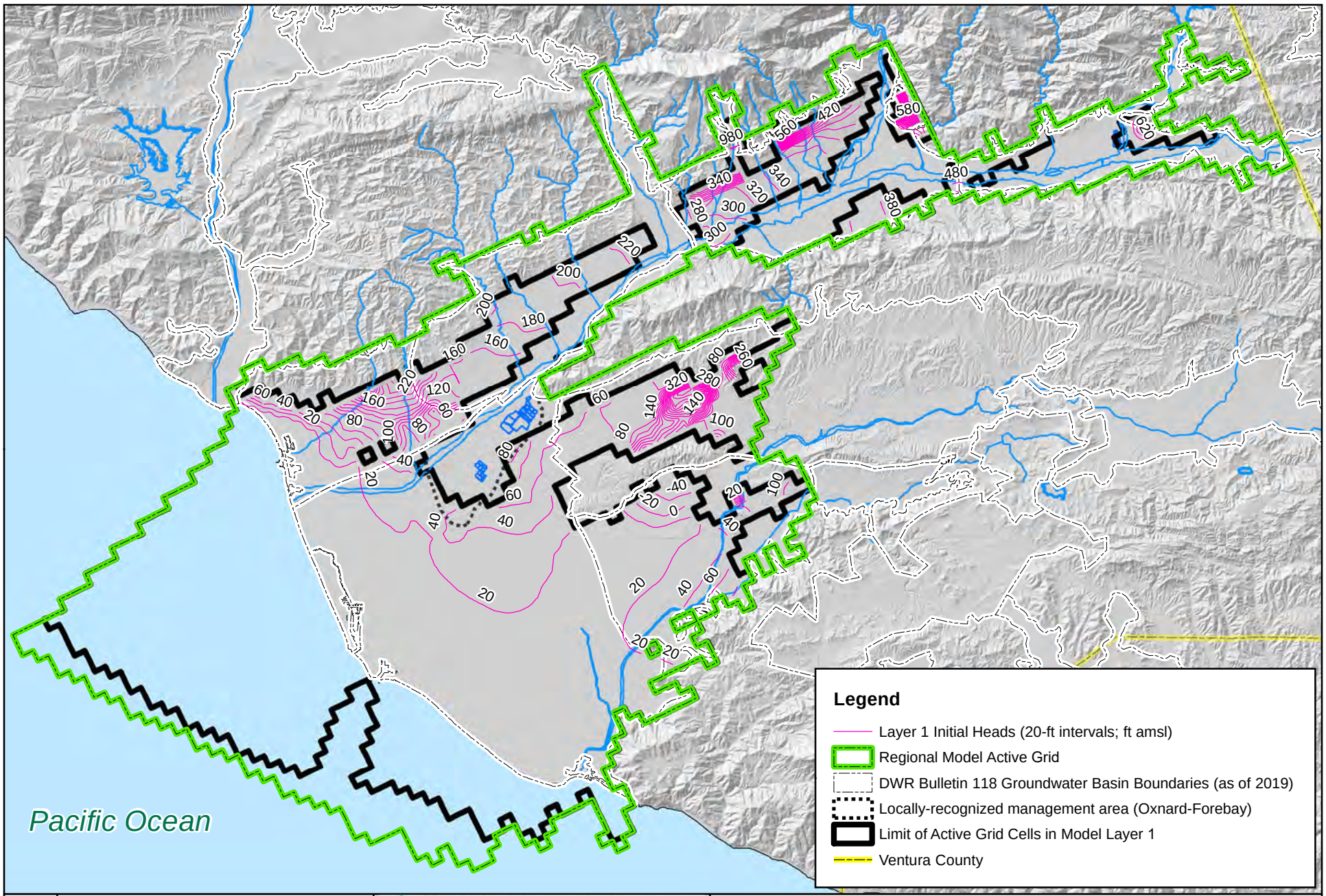

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Figure 3-54.
Initial Head Contours (20ft interval, ft amsl) of Model Layer 1

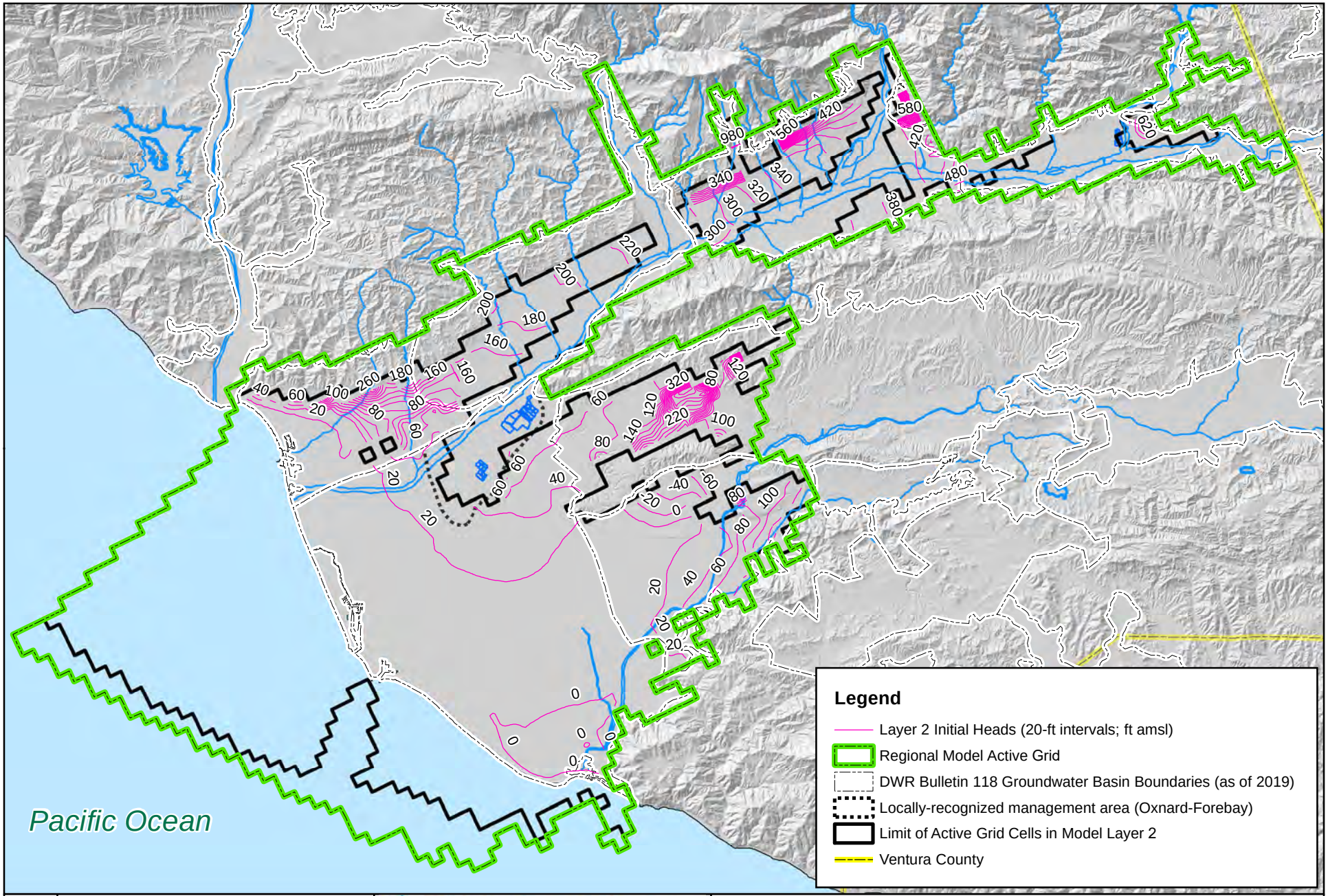

Figure 3-55.
Initial Head Contours (20ft interval, ft amsl) of Model Layer 2

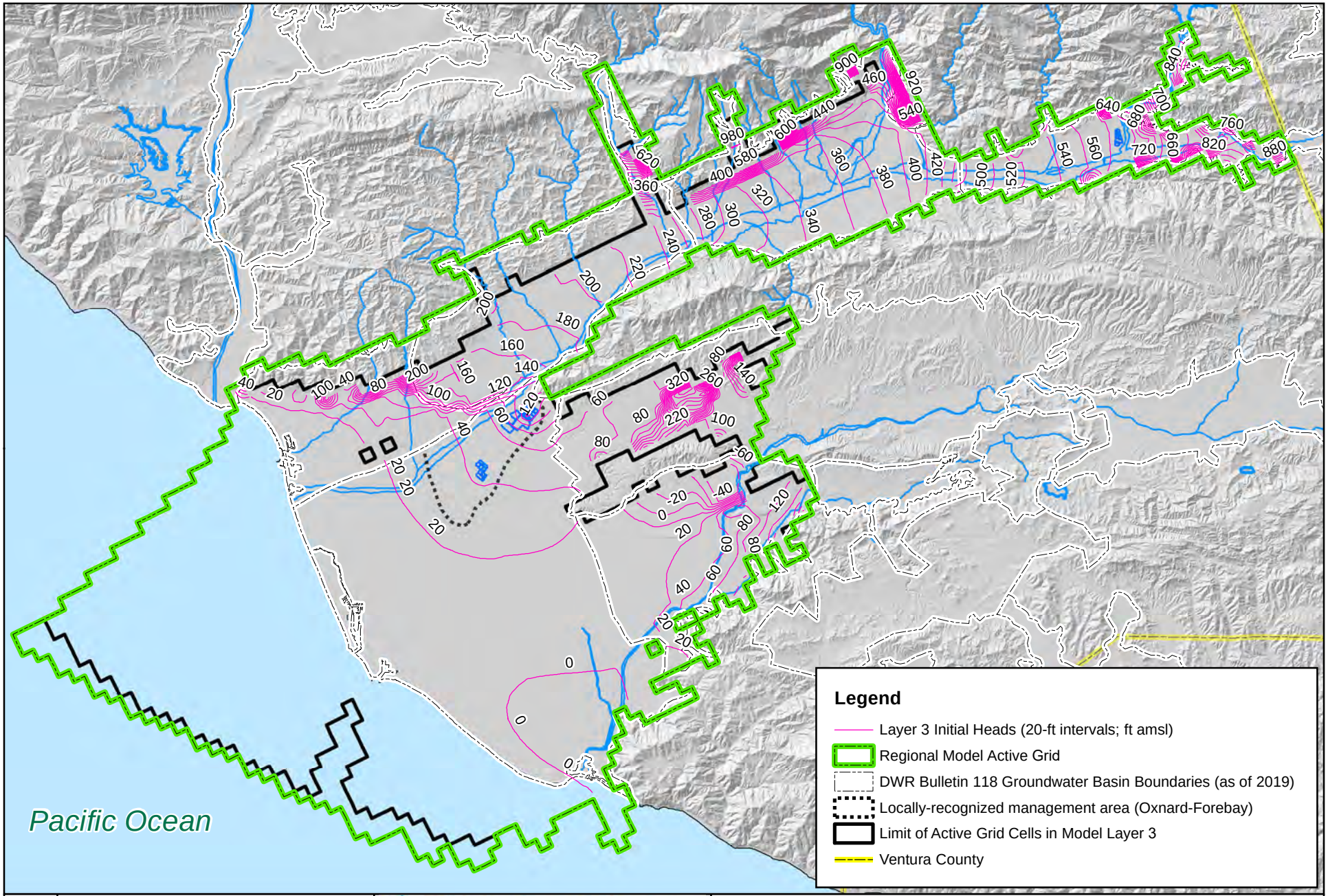

Figure 3-56.
Initial Head Contours (20ft interval, ft amsl) of Model Layer 3

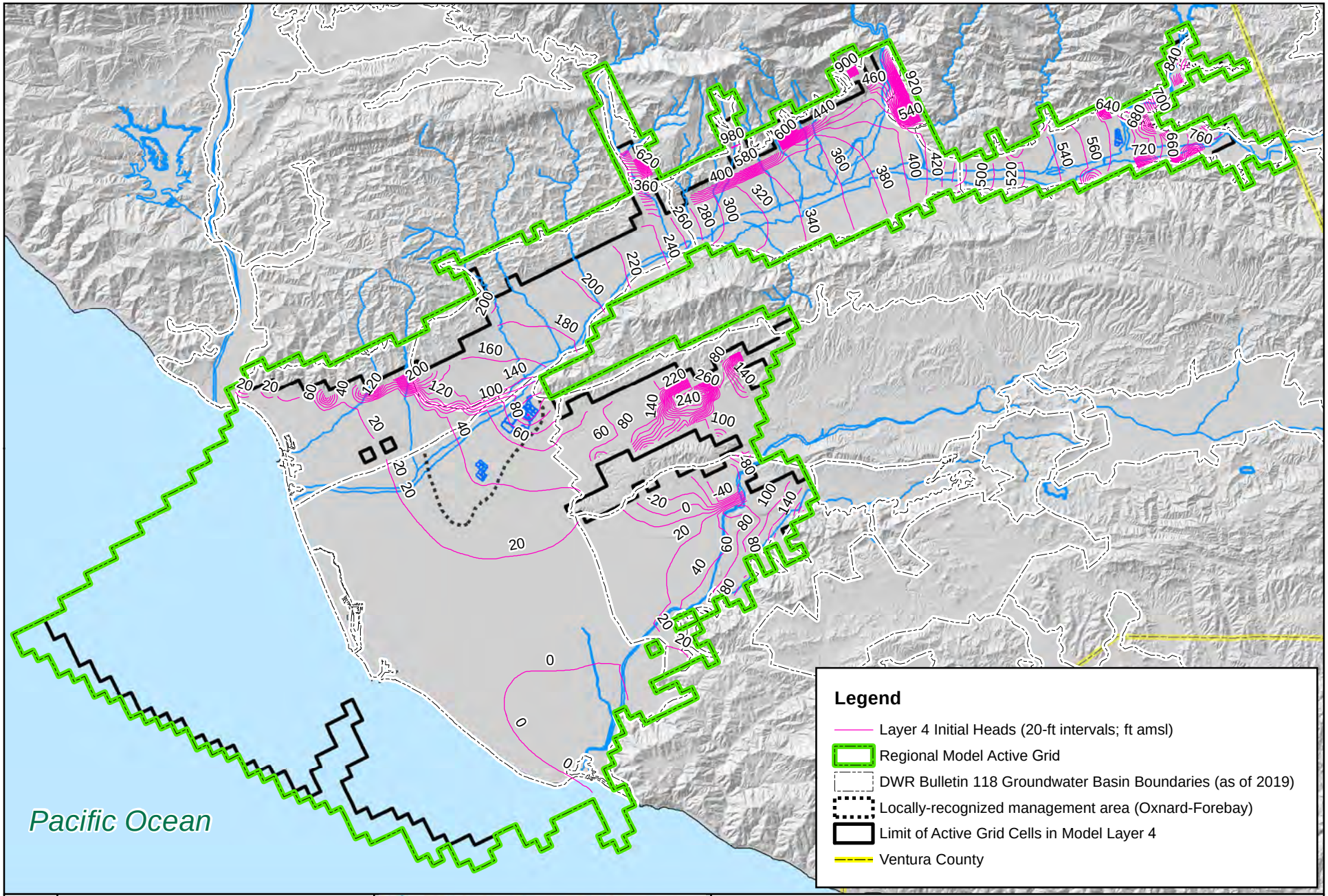

Figure 3-57.
Initial Head Contours (20ft interval, ft amsl) of Model Layer 4

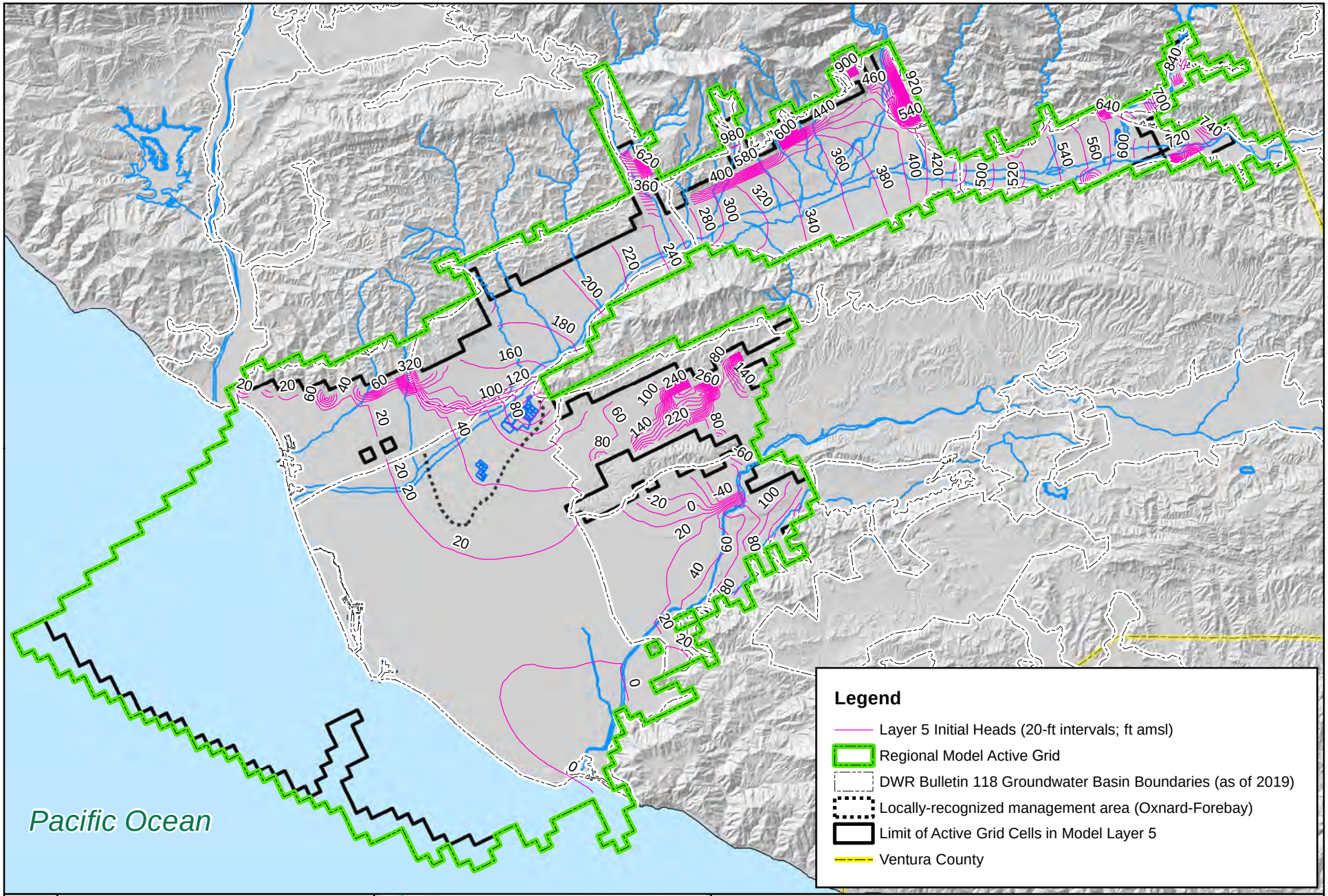

Figure 3-58.
Initial Head Contours (20ft interval, ft amsl) of Model Layer 5

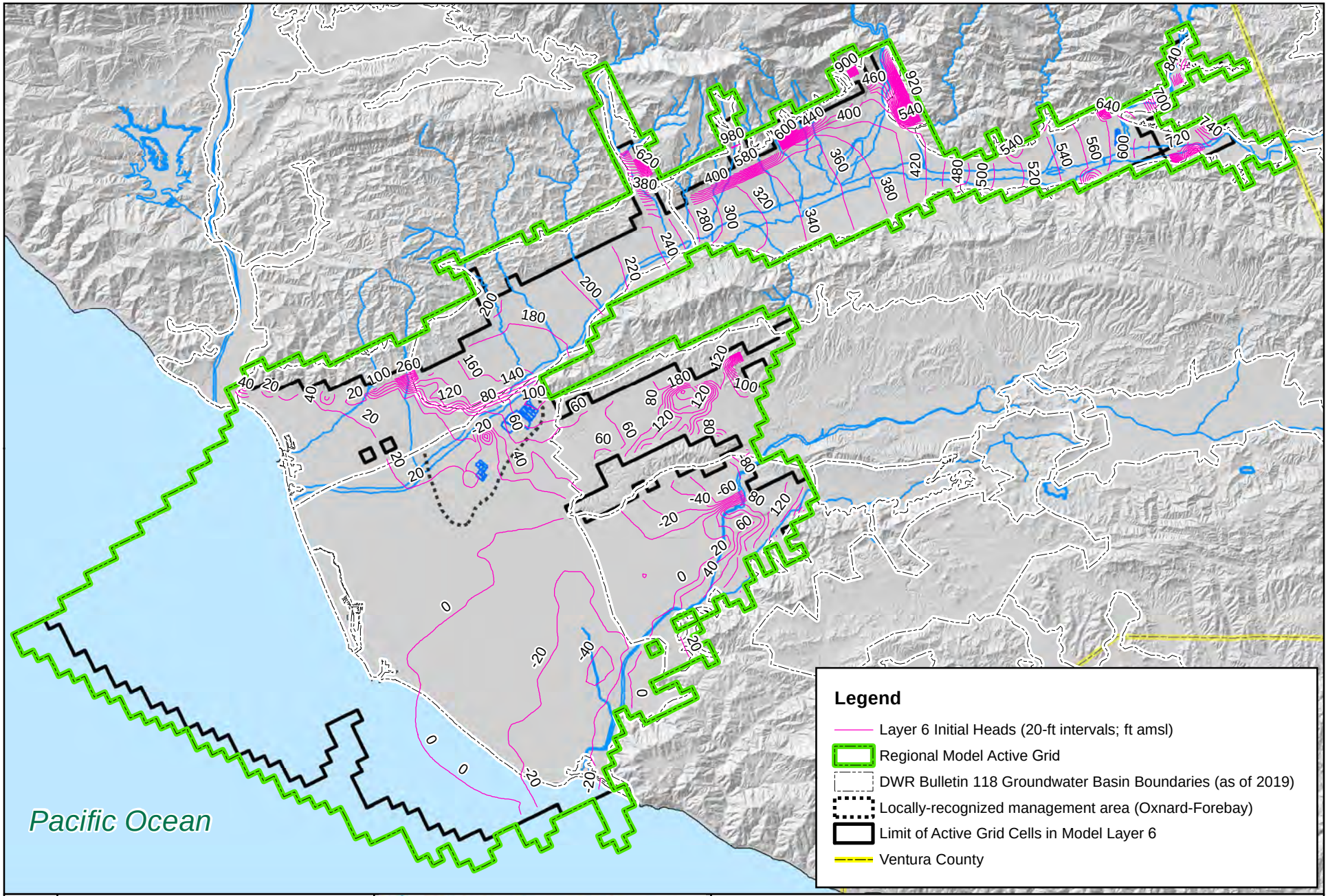

Figure 3-59.
Initial Head Contours (20ft interval, ft amsl) of Model Layer 6

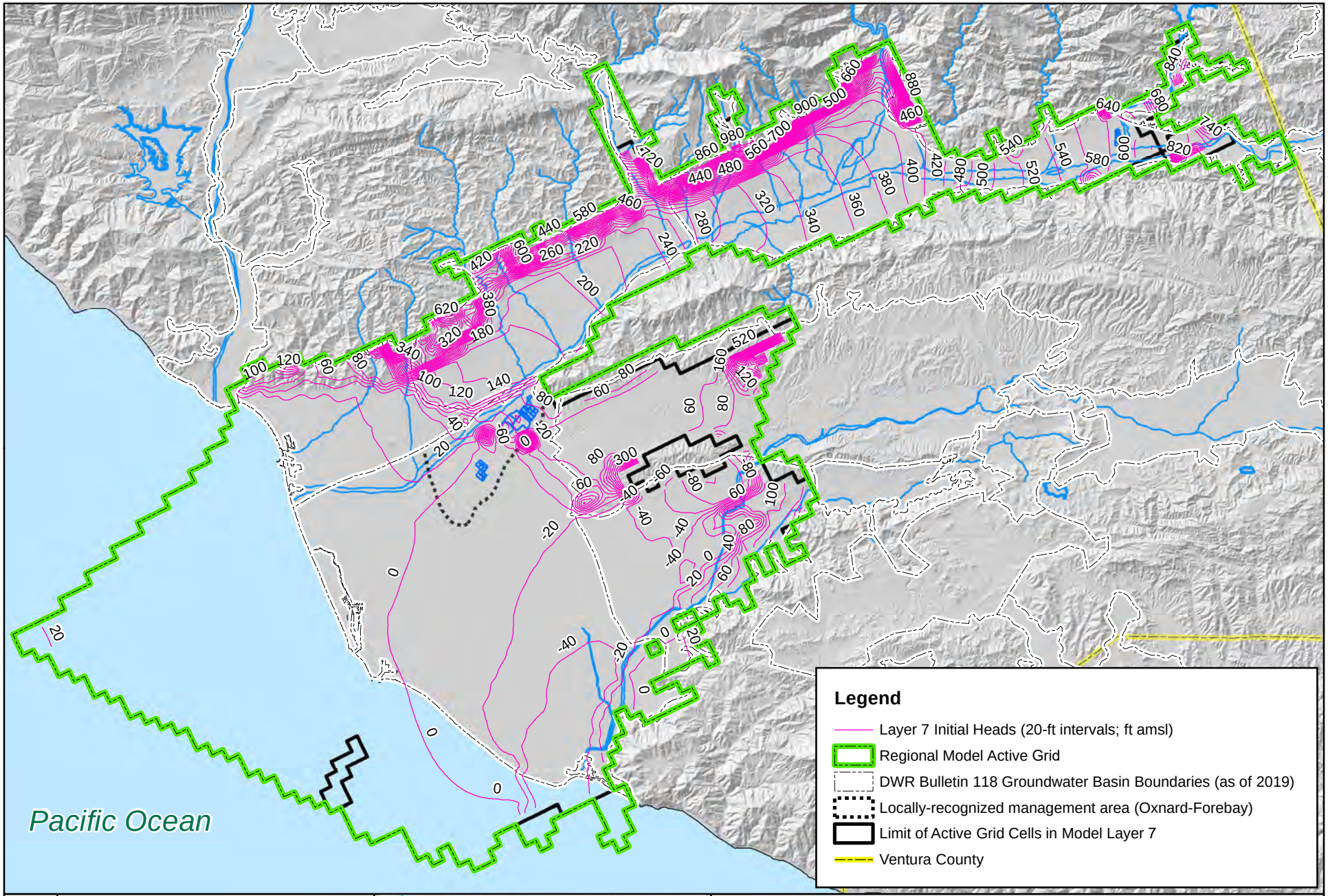

Figure 3-60.
Initial Head Contours (20ft interval, ft amsl) of Model Layer 7

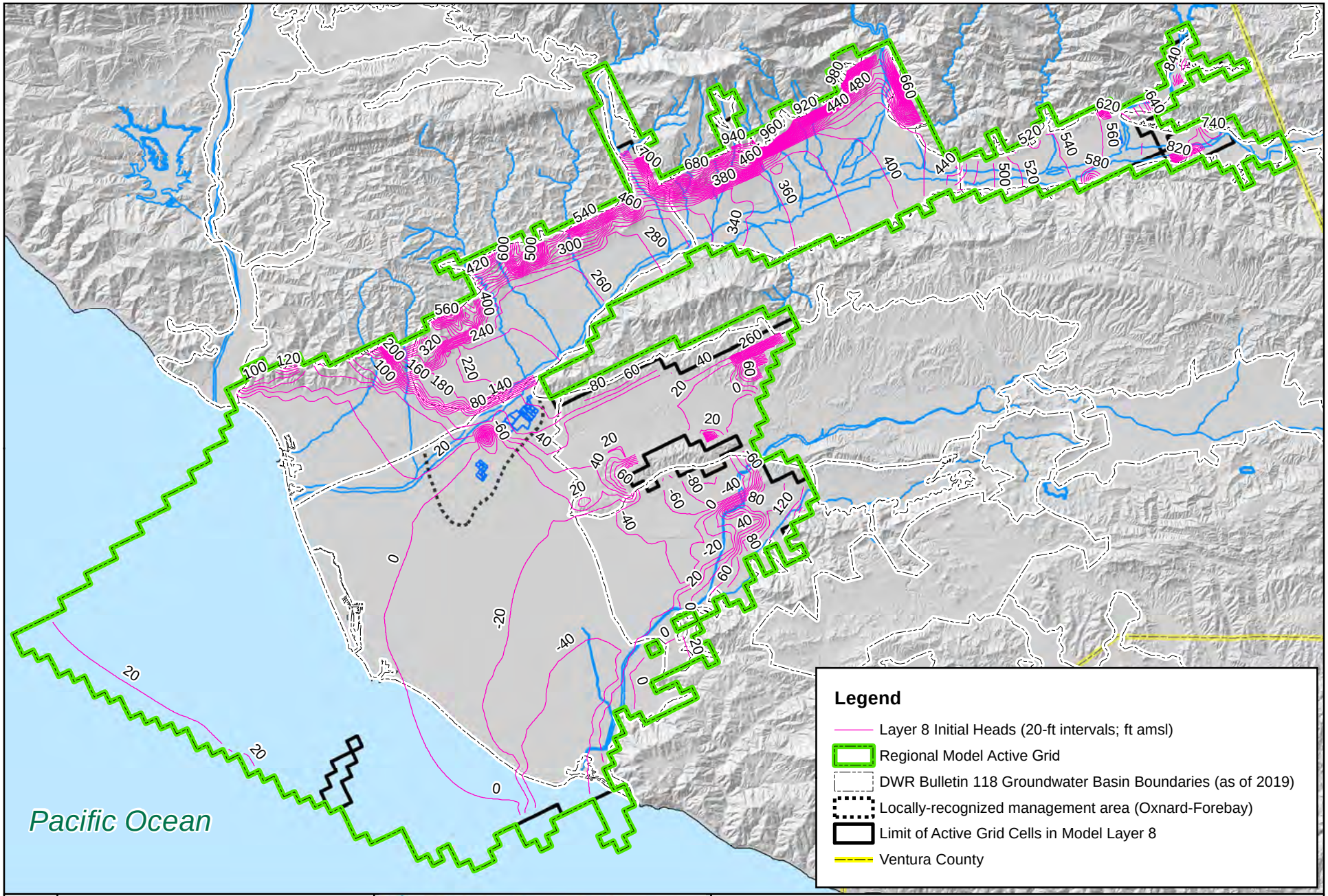

Figure 3-61.
Initial Head Contours (20ft interval, ft amsl) of Model Layer 8

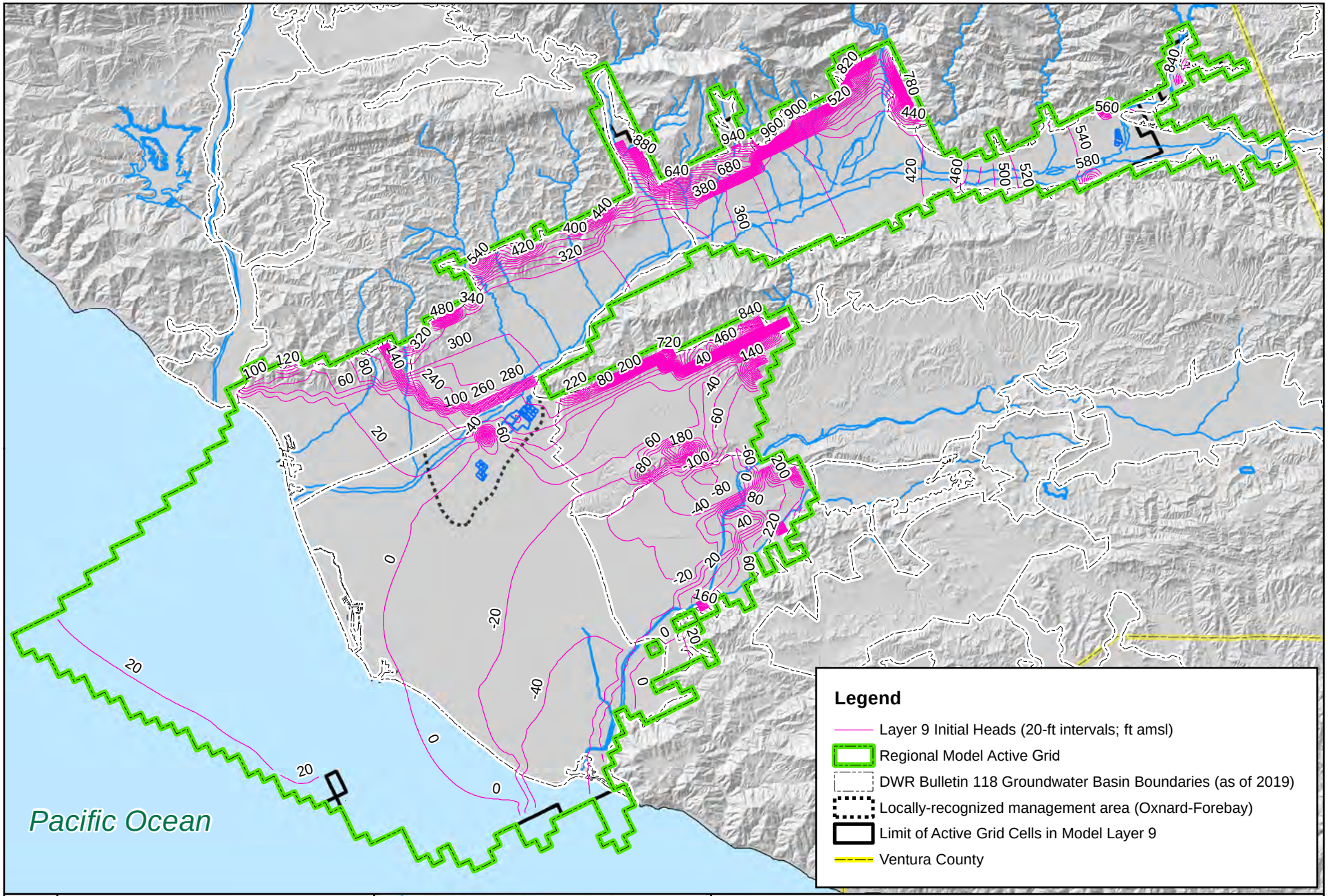

Figure 3-62.
Initial Head Contours (20ft interval, ft amsl) of Model Layer 9

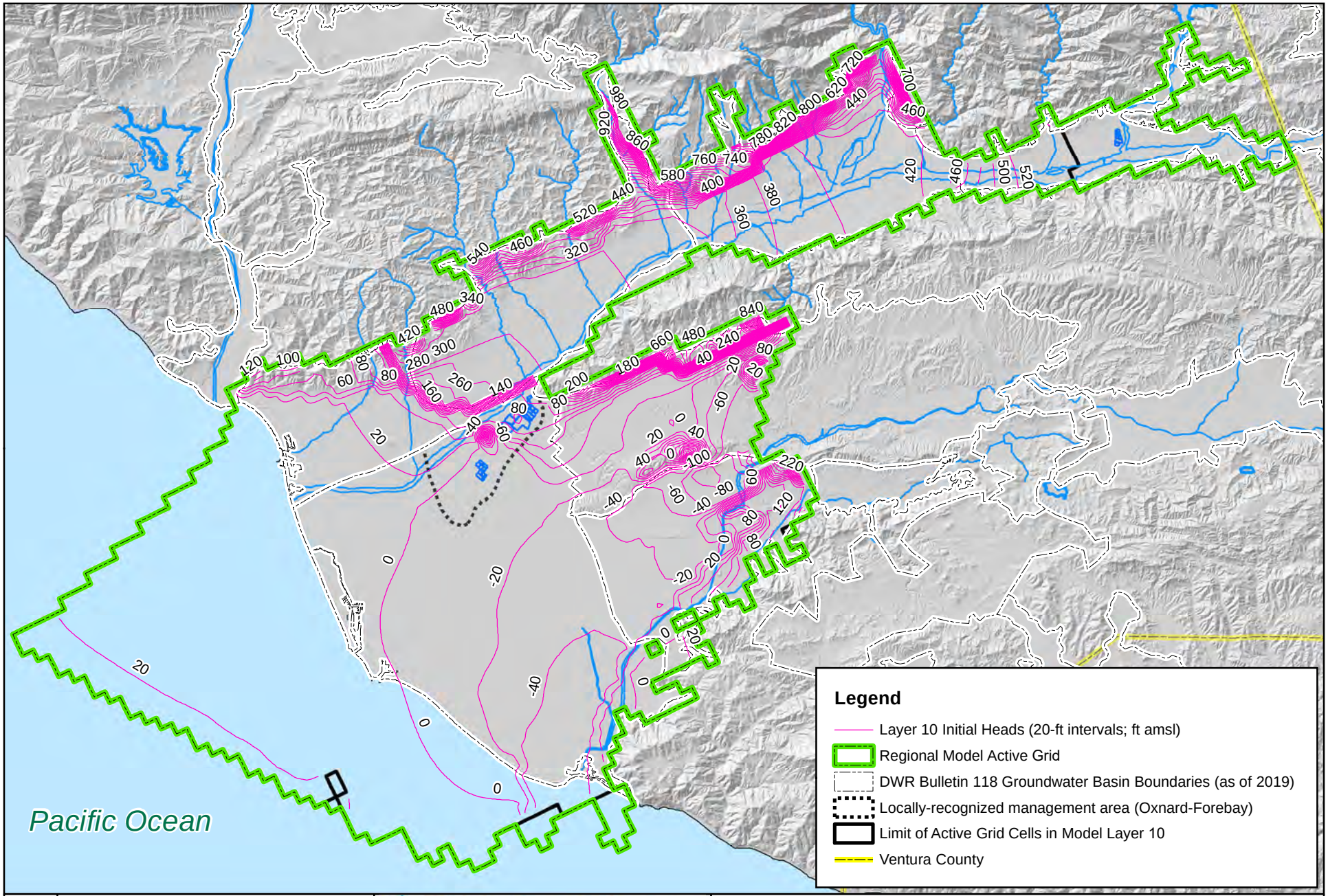

Figure 3-63.
Initial Head Contours (20ft interval, ft amsl) of Model Layer 10

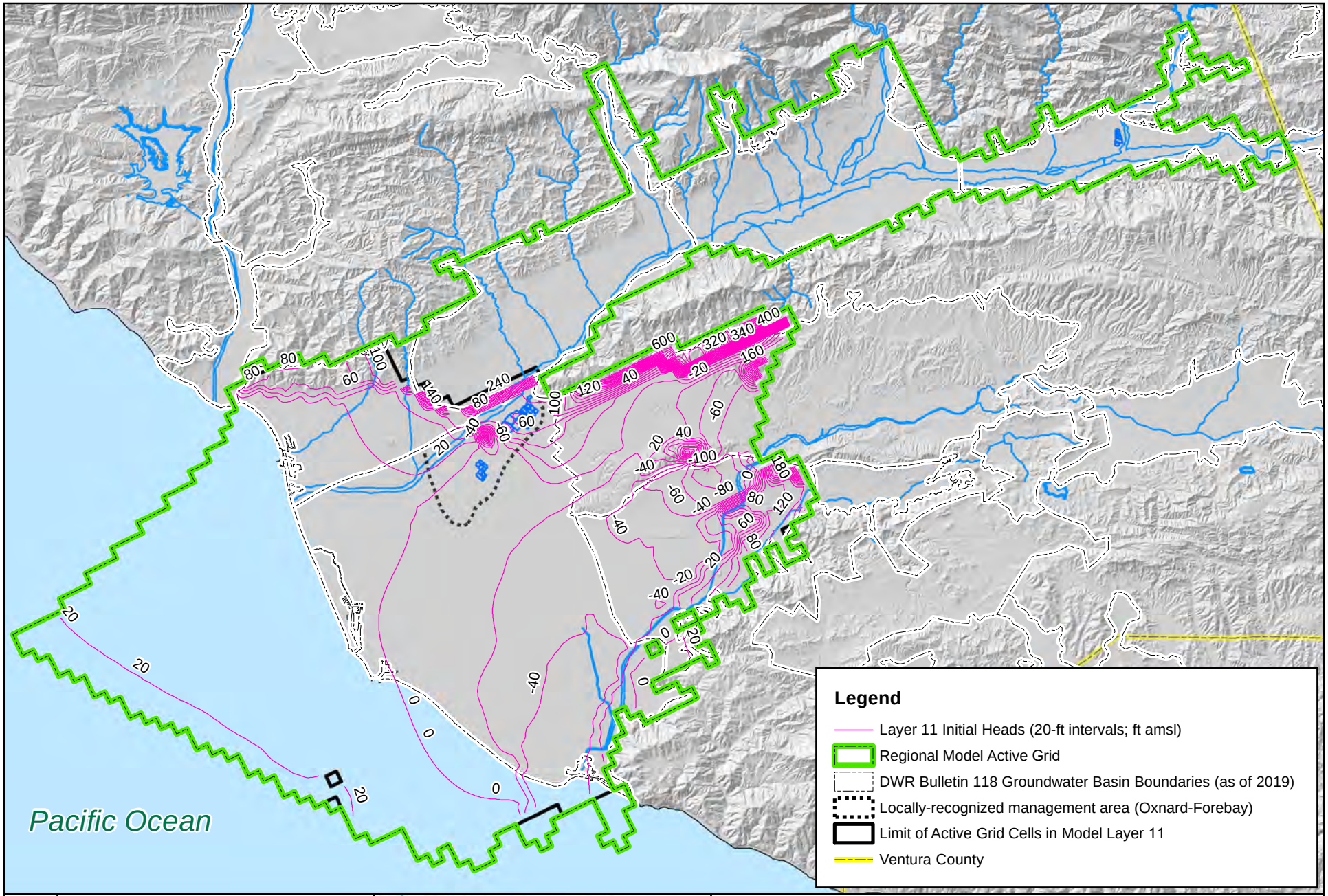

Figure 3-64.
Initial Head Contours (20ft interval, ft amsl) of Model Layer 11

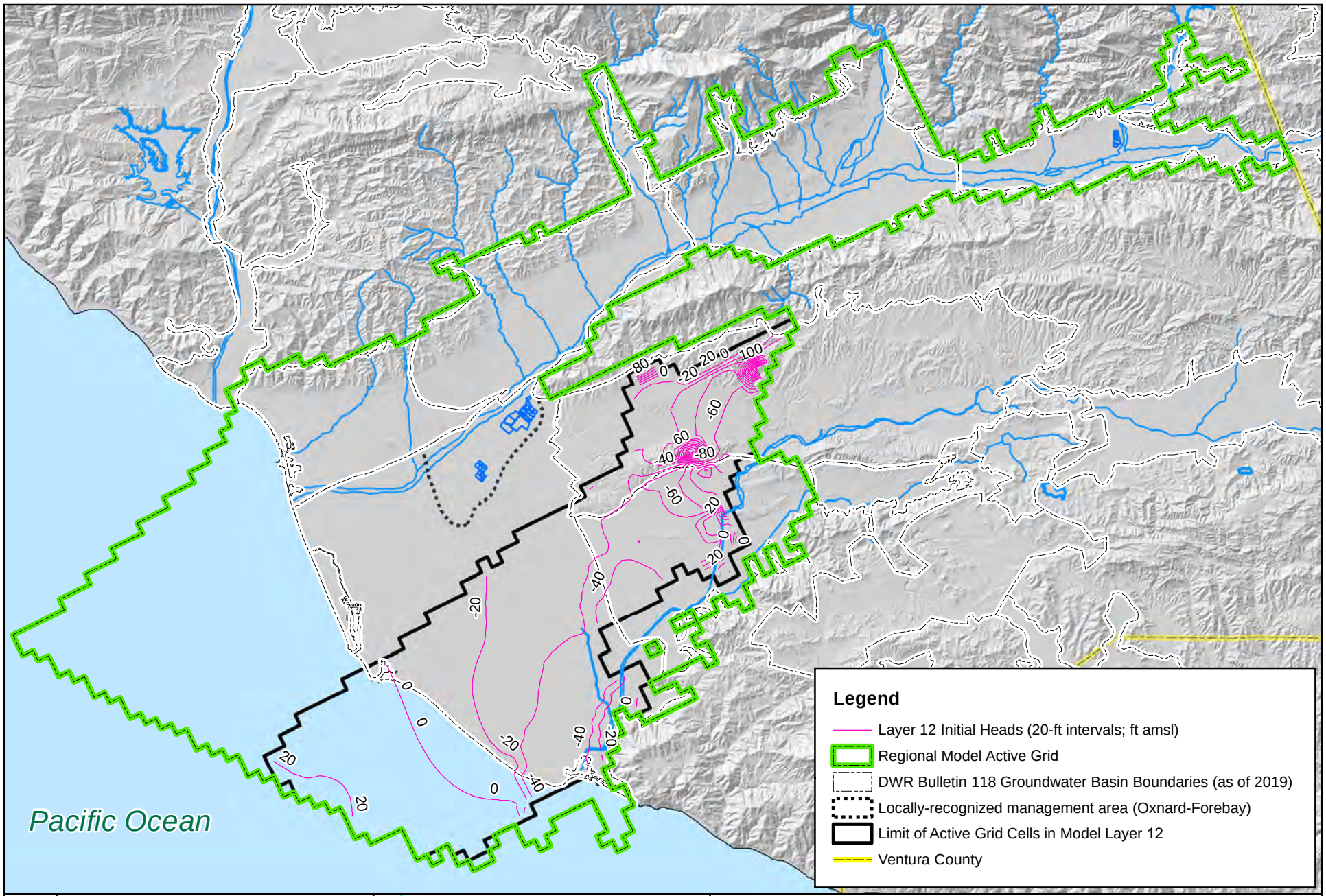

Figure 3-65.
Initial Head Contours (20ft interval, ft amsl) of Model Layer 12

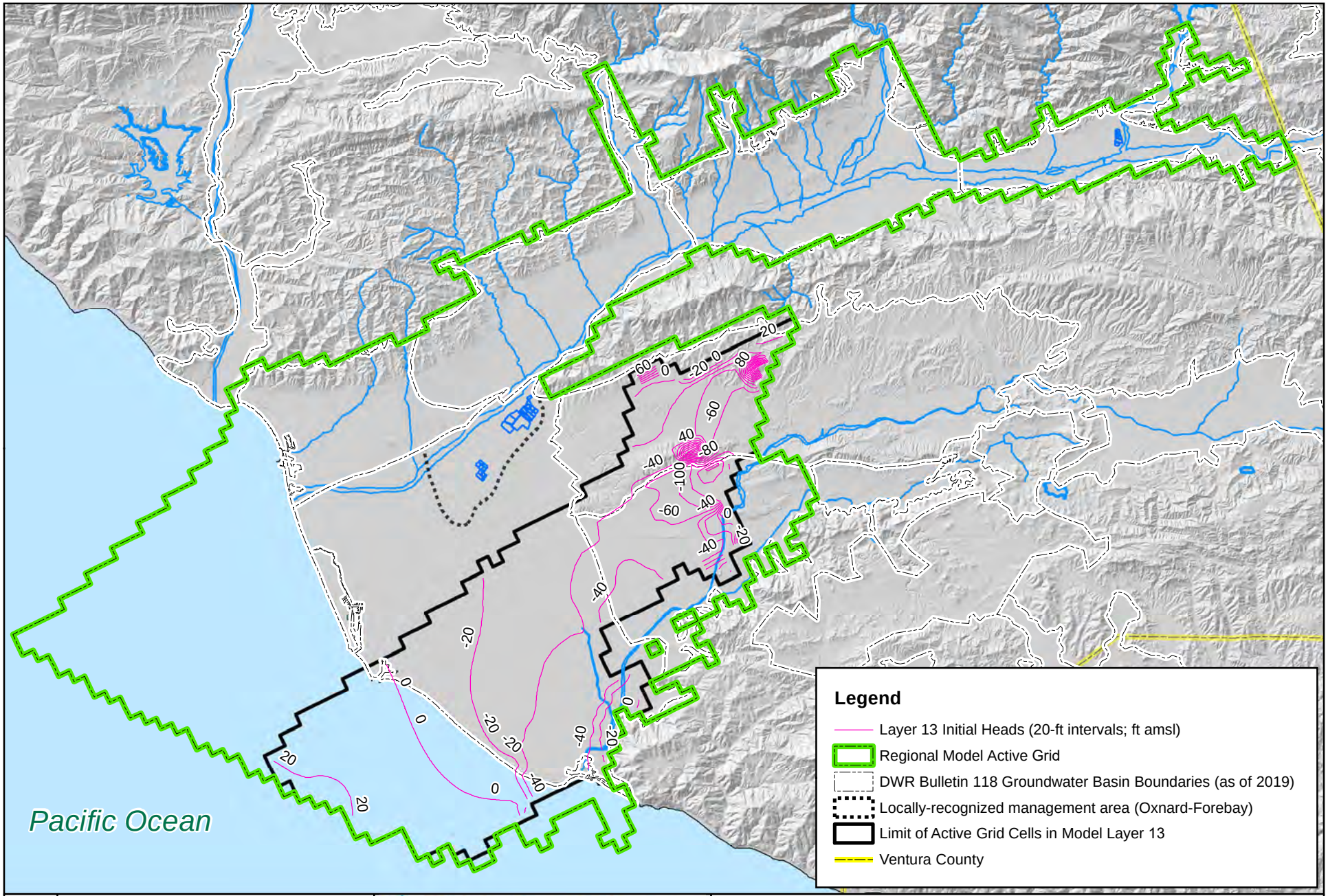

Figure 3-66.
Initial Head Contours (20ft interval, ft amsl) of Model Layer 13

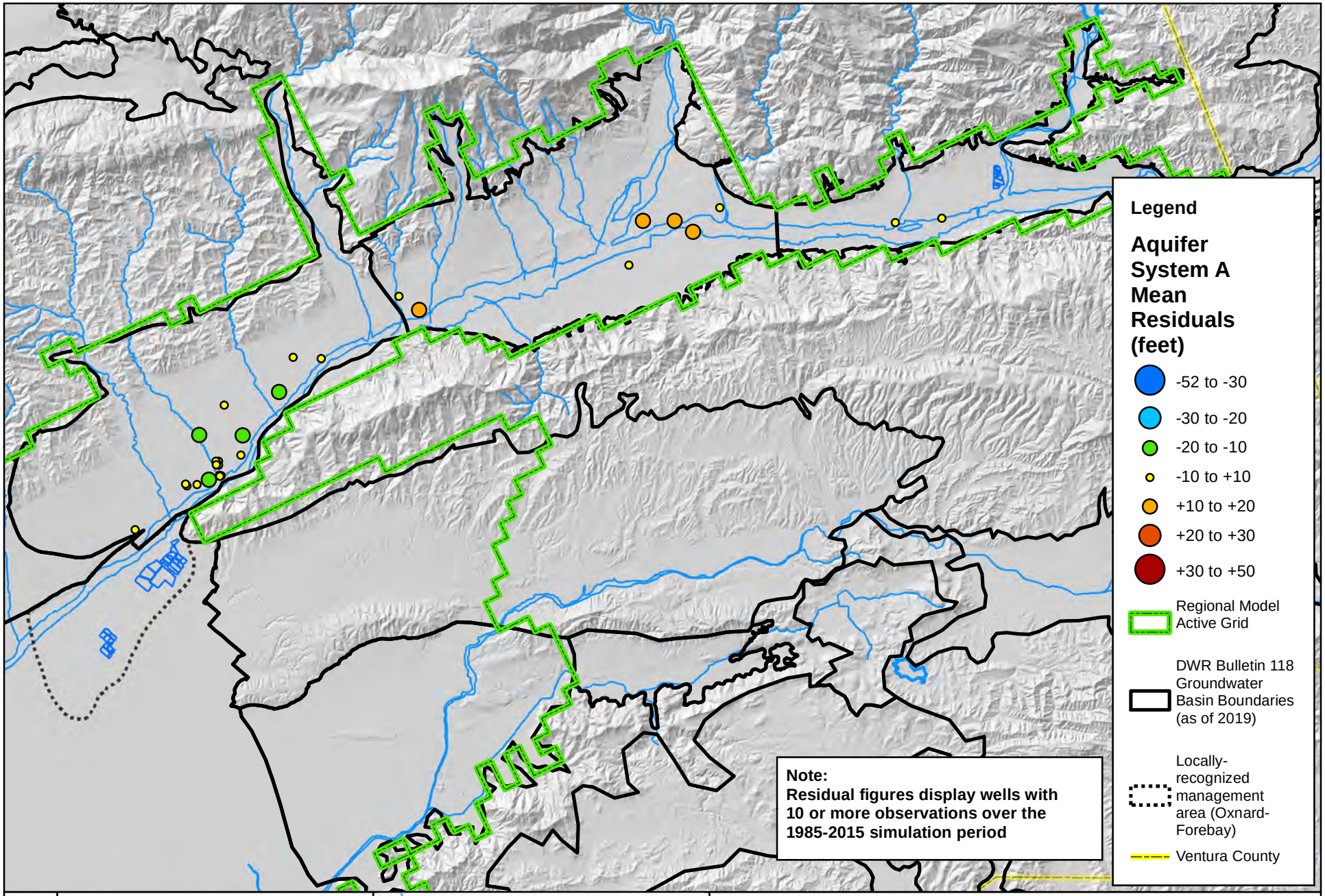

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Figure 4-1.
Mean Residuals for Groundwater Elevation in the Aquifer System A

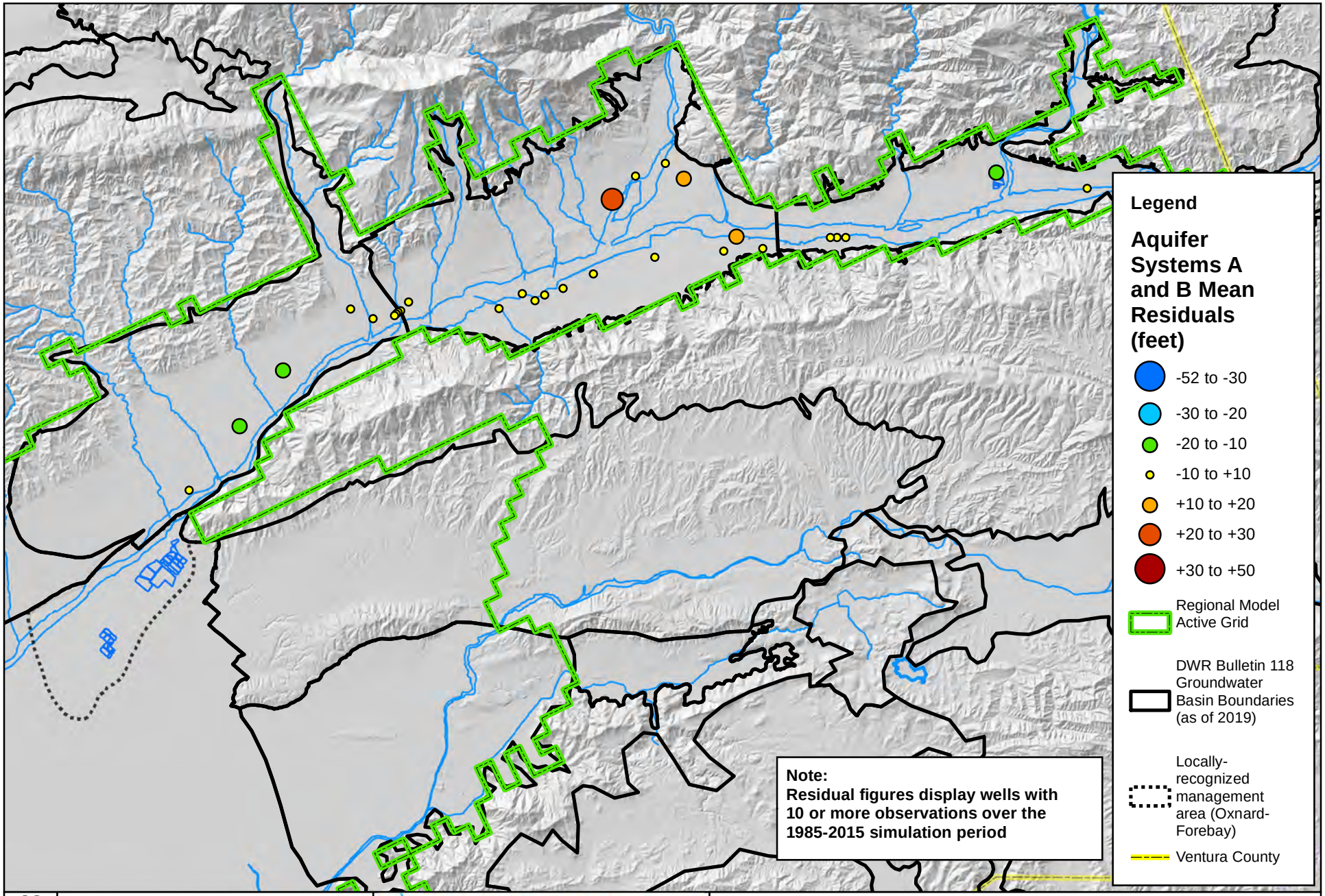

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Figure 4-2.
Mean Residuals for Groundwater Elevation for Wells Screened in A and B Aquifer Systems

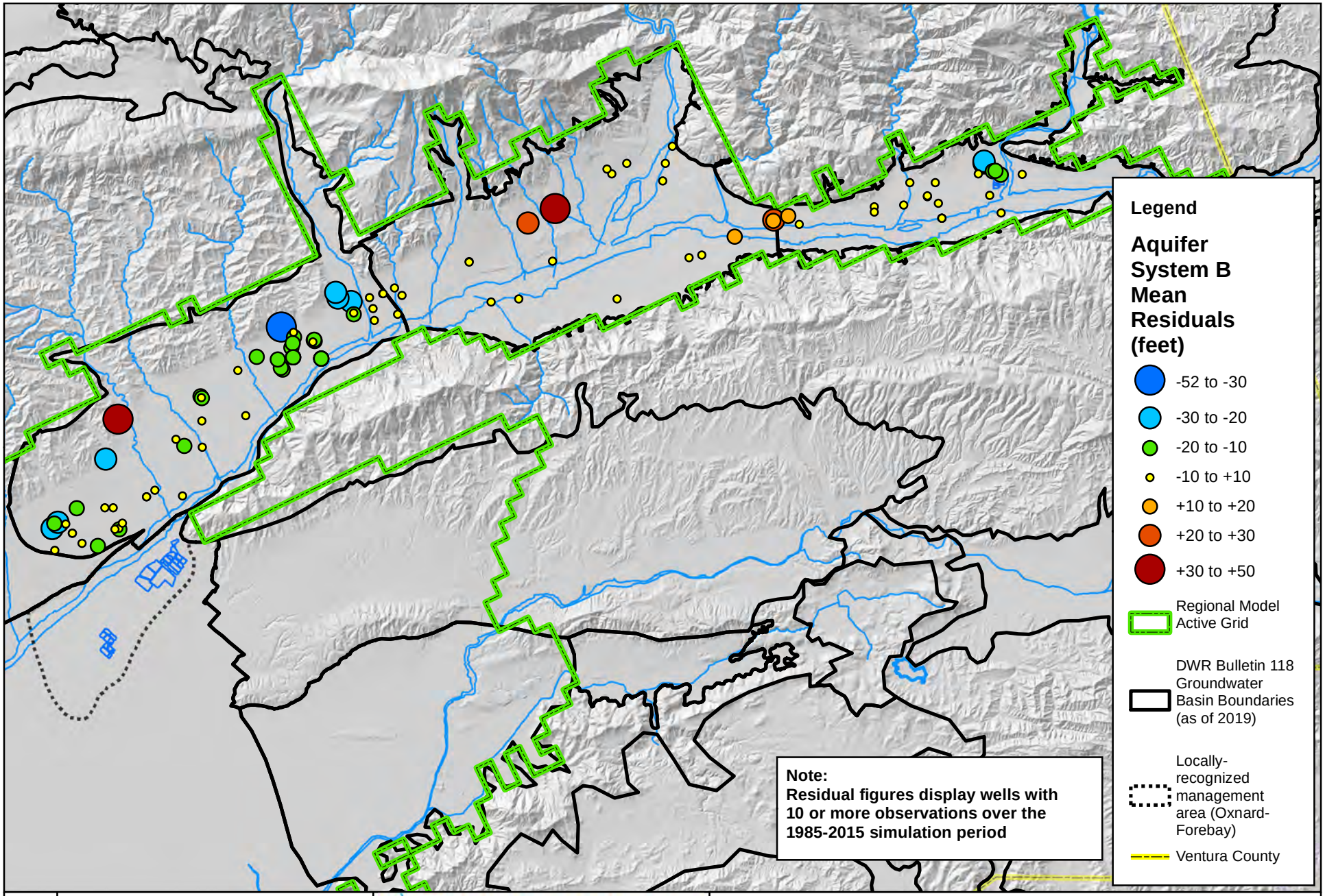

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Figure 4-3.
Mean Residuals for Groundwater Elevation in the Aquifer System B

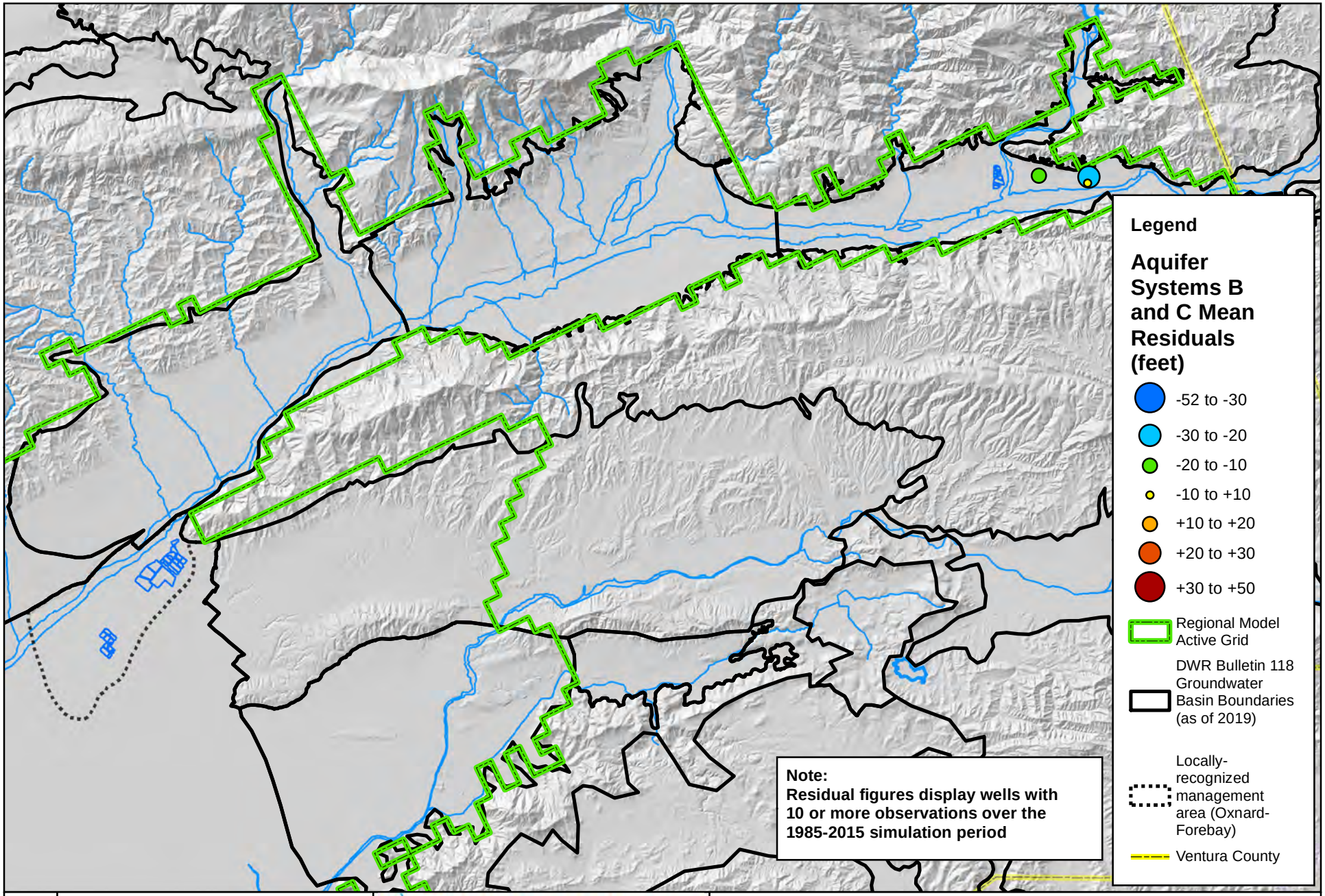

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Figure 4-4.
Mean Residuals for Groundwater Elevation for Wells Screened in B and C Aquifer Systems

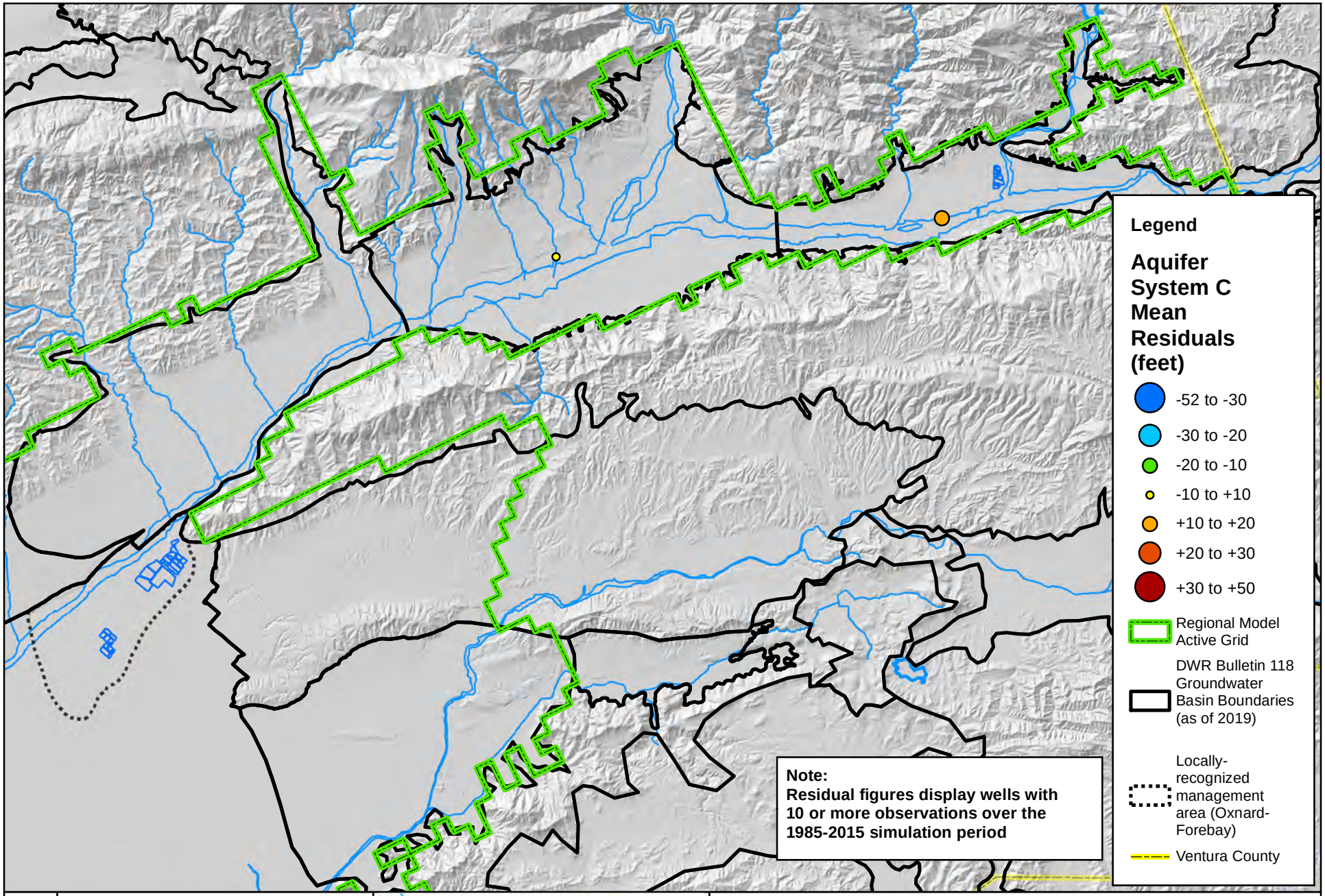

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Figure 4-5.
Mean Residuals for Groundwater Elevation in the Aquifer System C

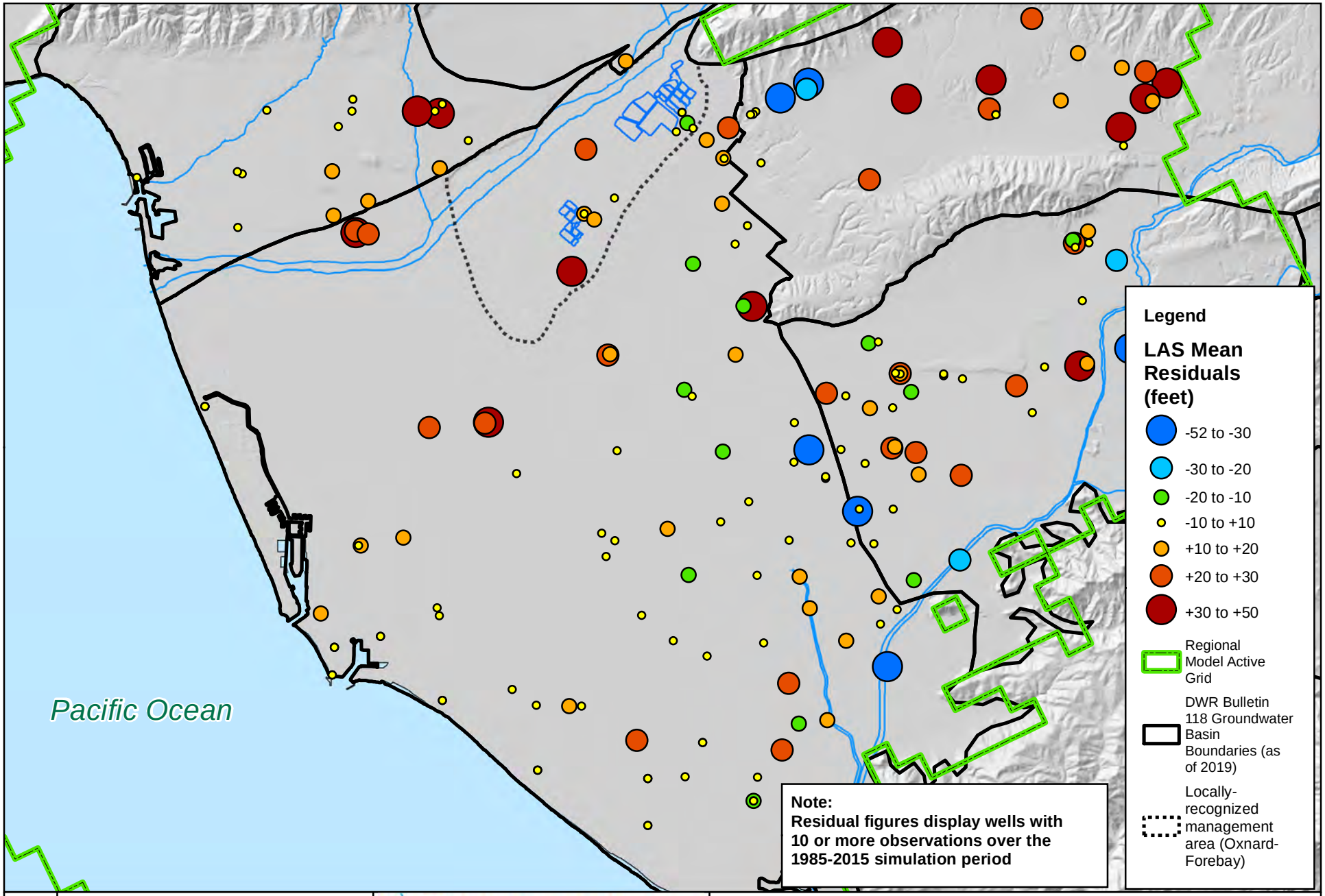

Figure 4-6.
Mean Residuals for Groundwater Elevation in the Lower Aquifer System

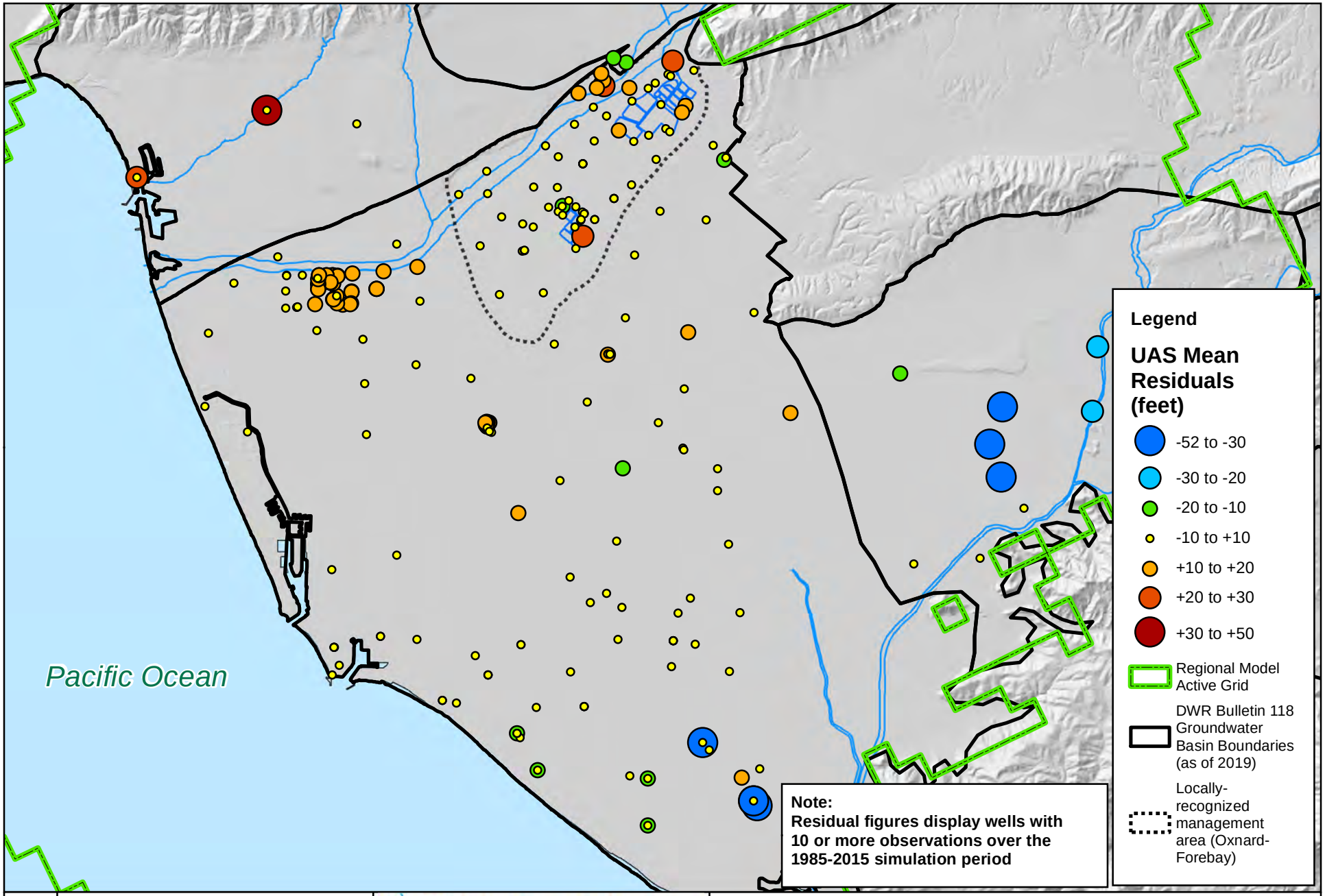

Figure 4-7.
Mean Residuals for Groundwater Elevation in the Upper Aquifer System

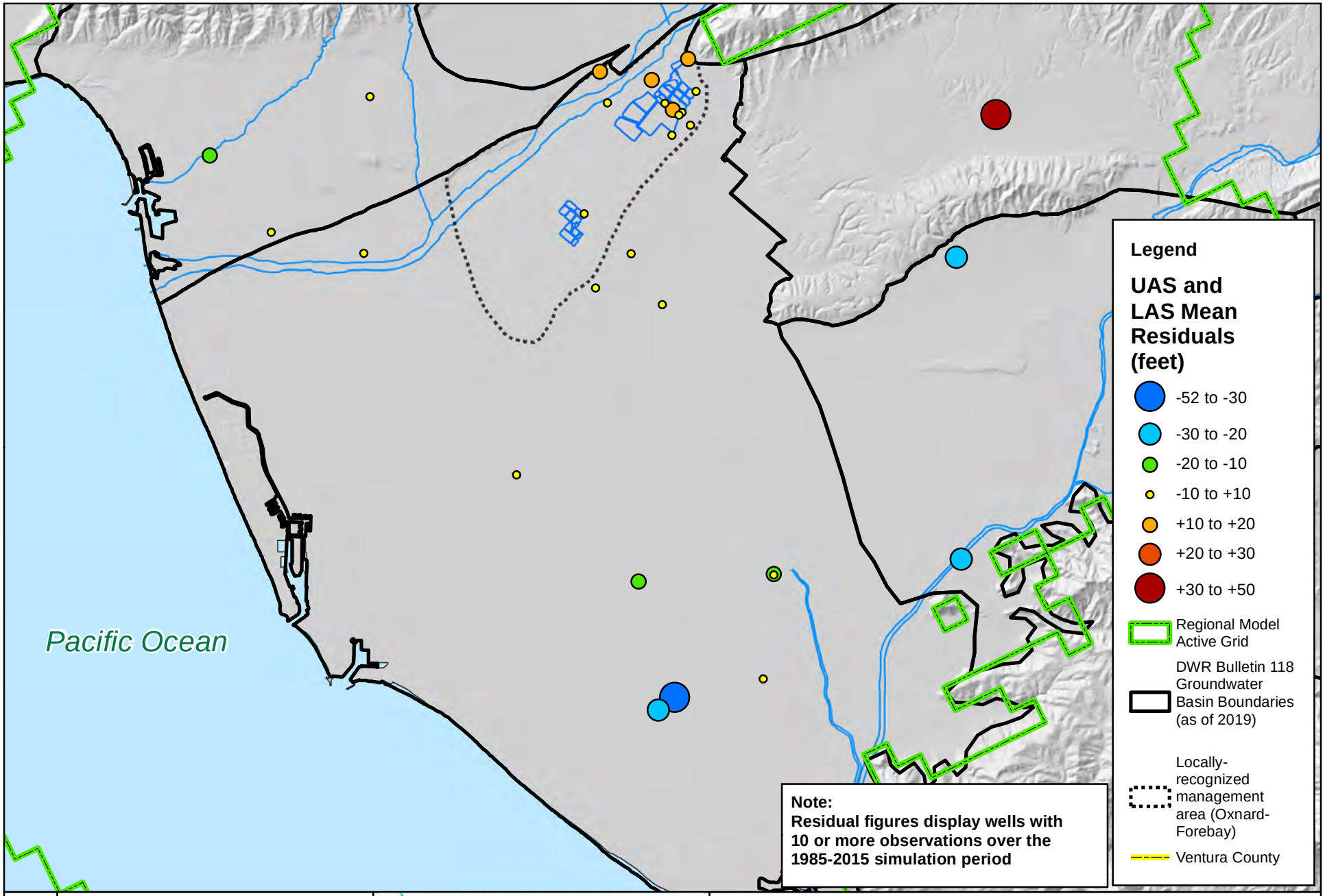

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Figure 4-8.
Mean Residuals for Groundwater Elevation for wells screen in both the UAS and LAS

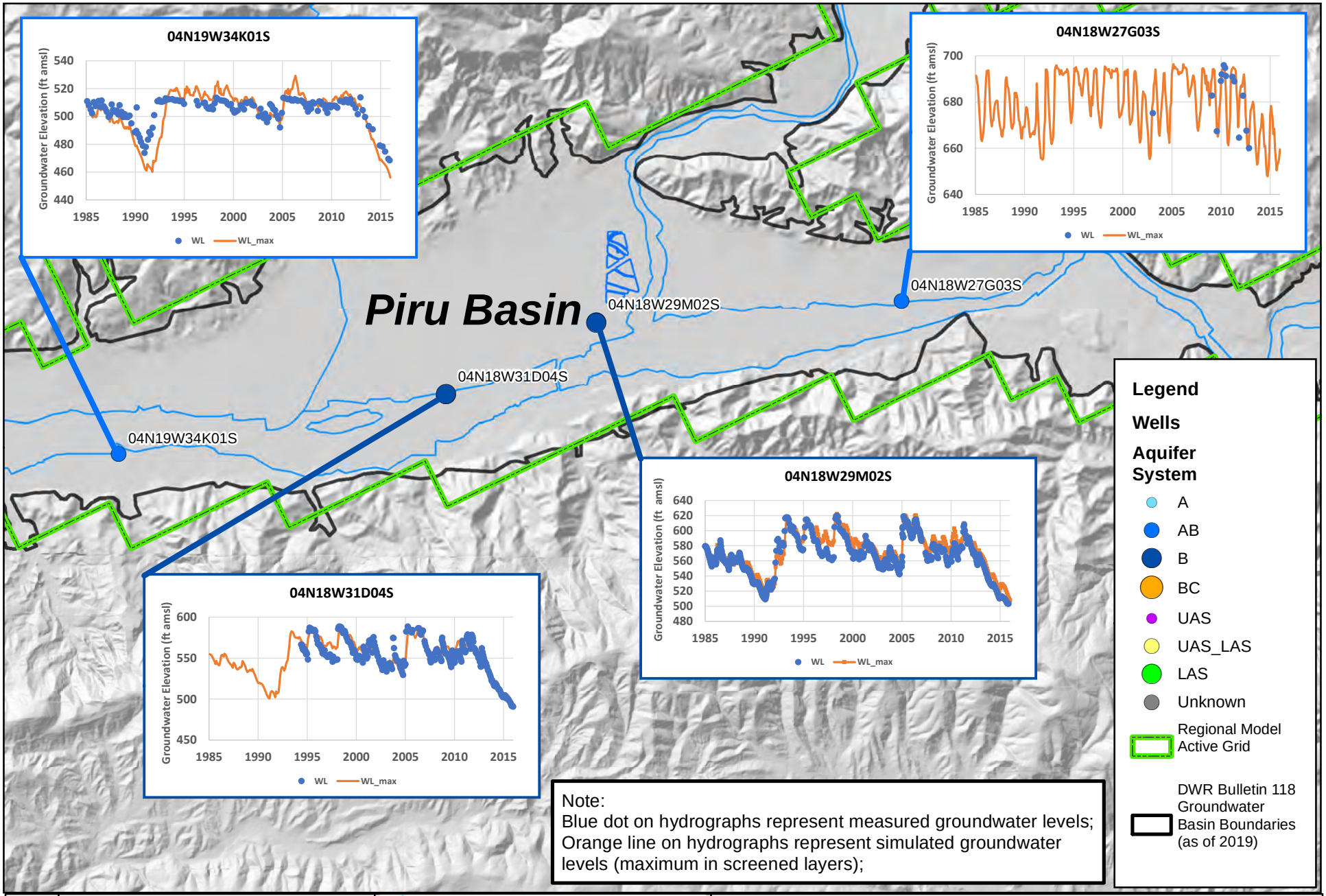

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Figure 4-9.
Selected Hydrographs of Simulated Groundwater Elevations in Piru Basin

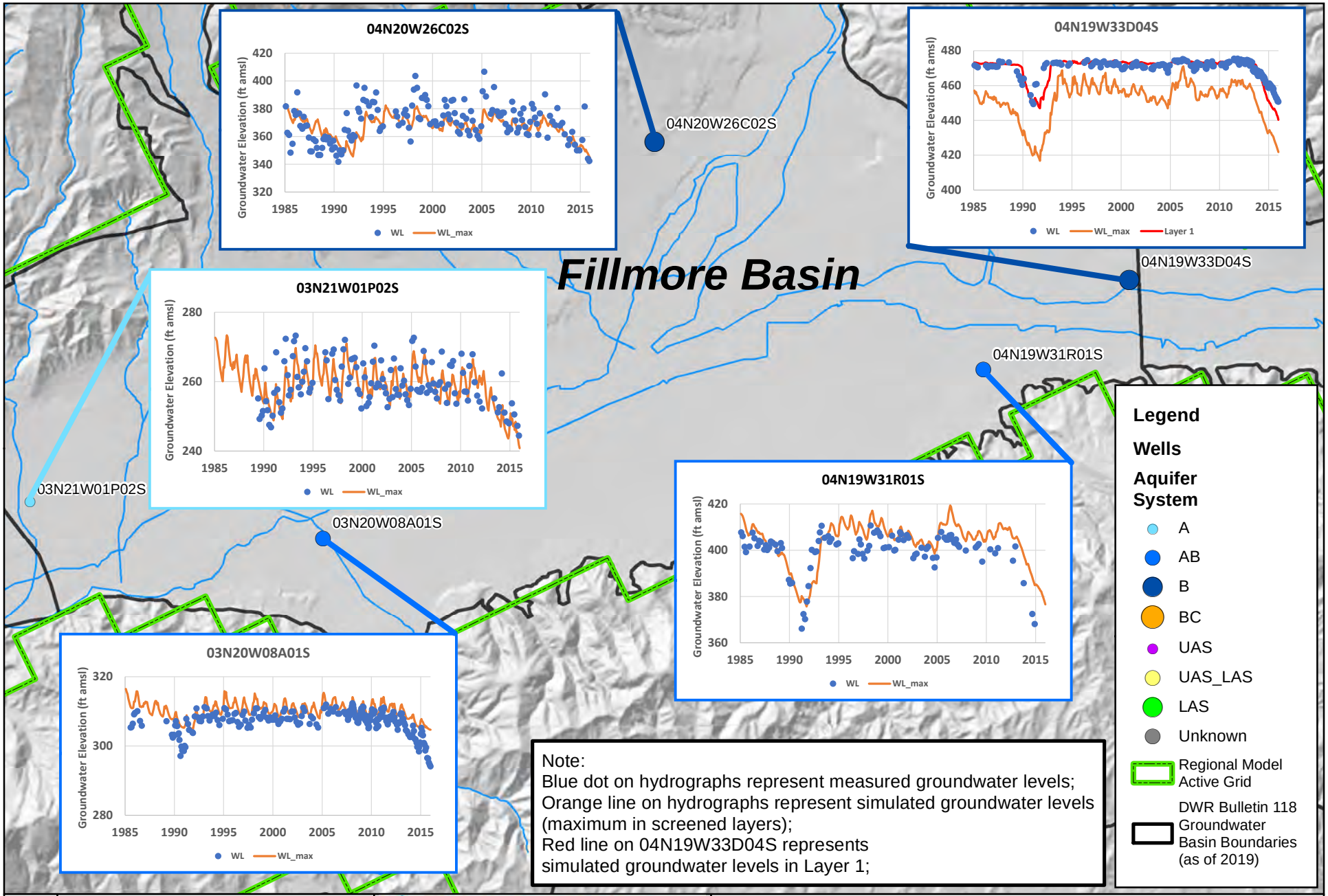

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Figure 4-10.
Selected Hydrographs of Simulated Groundwater Elevations in Fillmore Basin

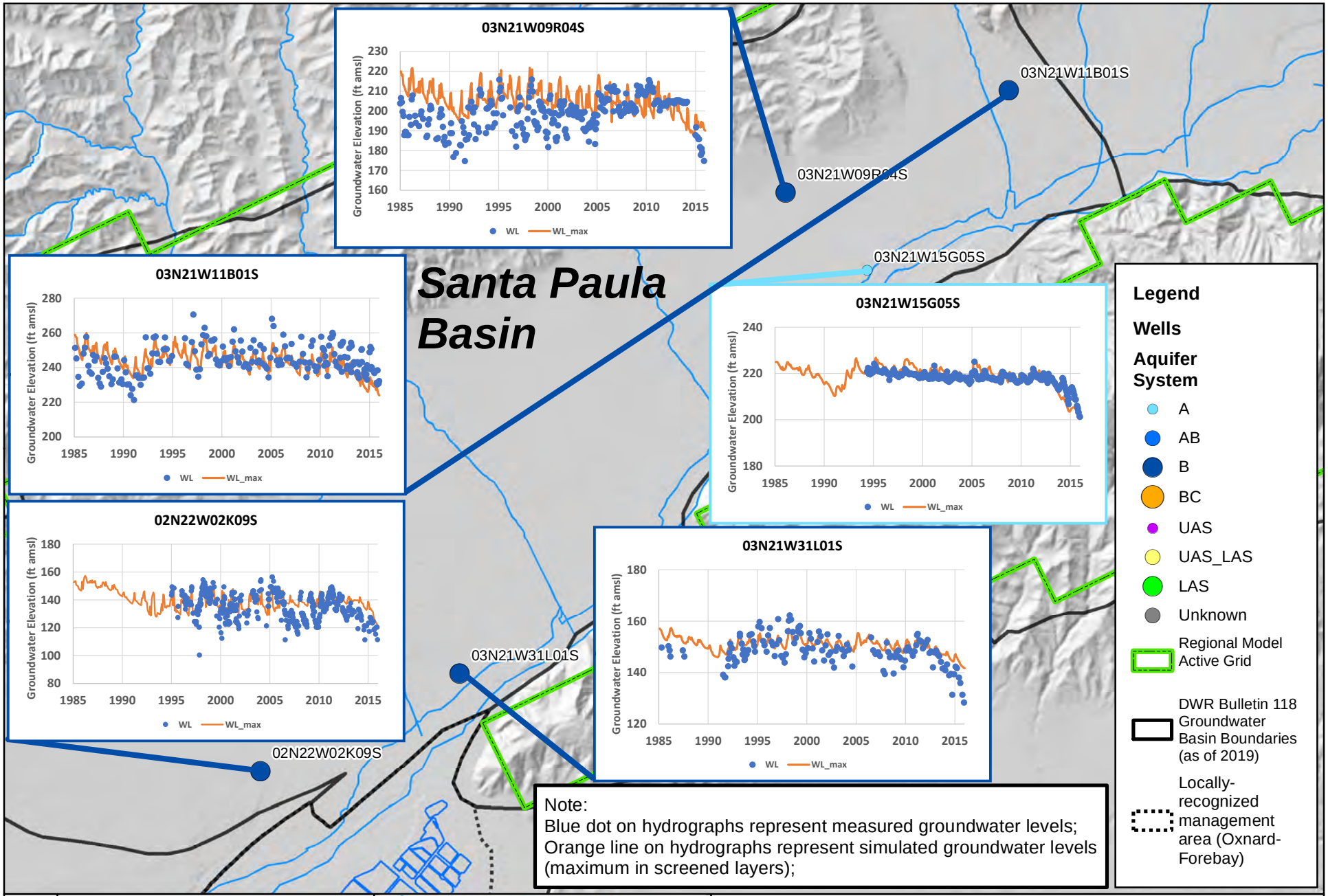

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Figure 4-11.
Selected Hydrographs of Simulated Groundwater Elevations in Santa Paula Basin

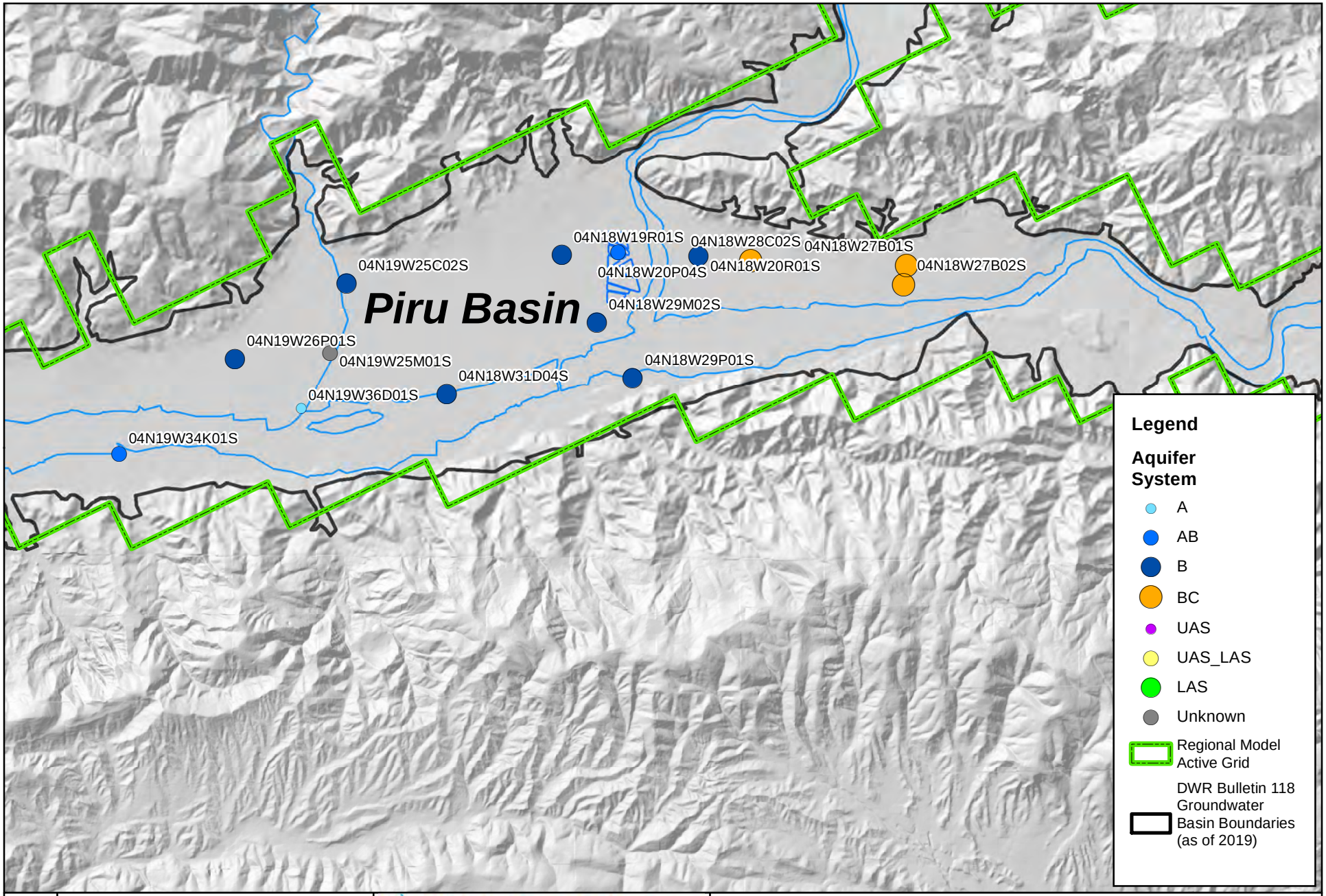

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Figure 4-12.
Representative Hydrographs of Simulated Groundwater Elevations in Piru Basin

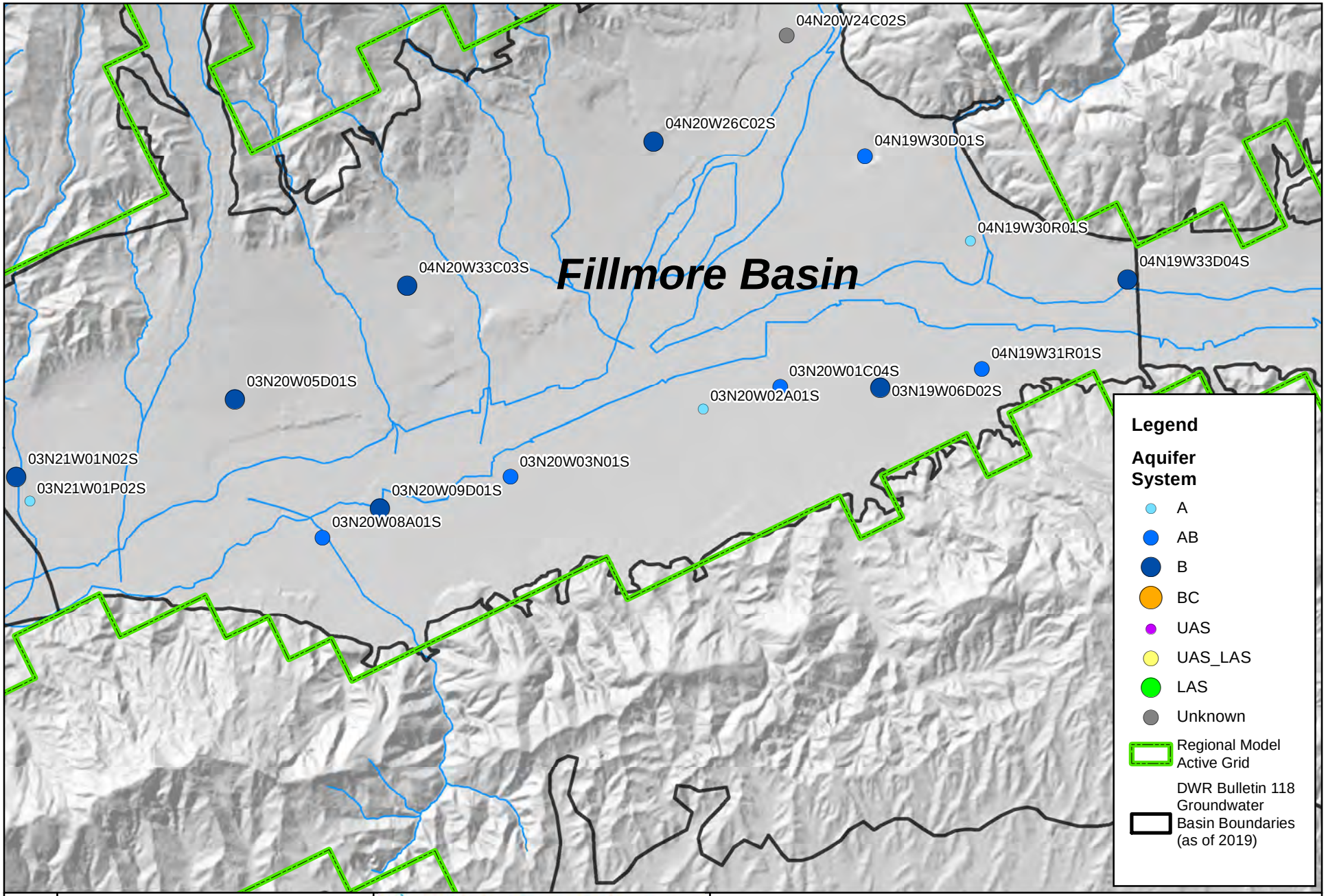

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Figure 4-13.
Representative Hydrographs of Simulated Groundwater Elevations in Fillmore Basin

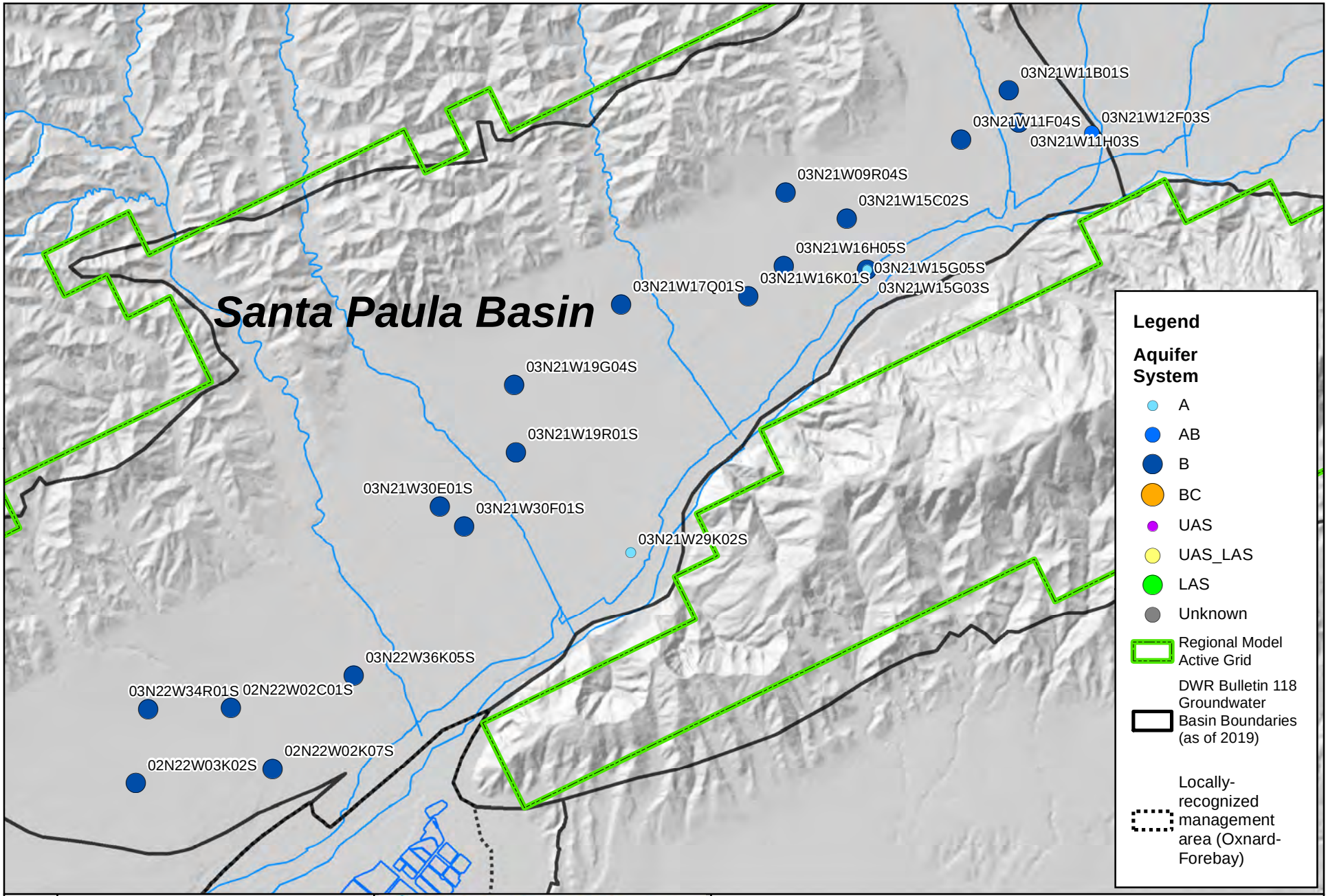

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Figure 4-14.
Representative Hydrographs of Simulated Groundwater Elevations in Santa Paula Basin

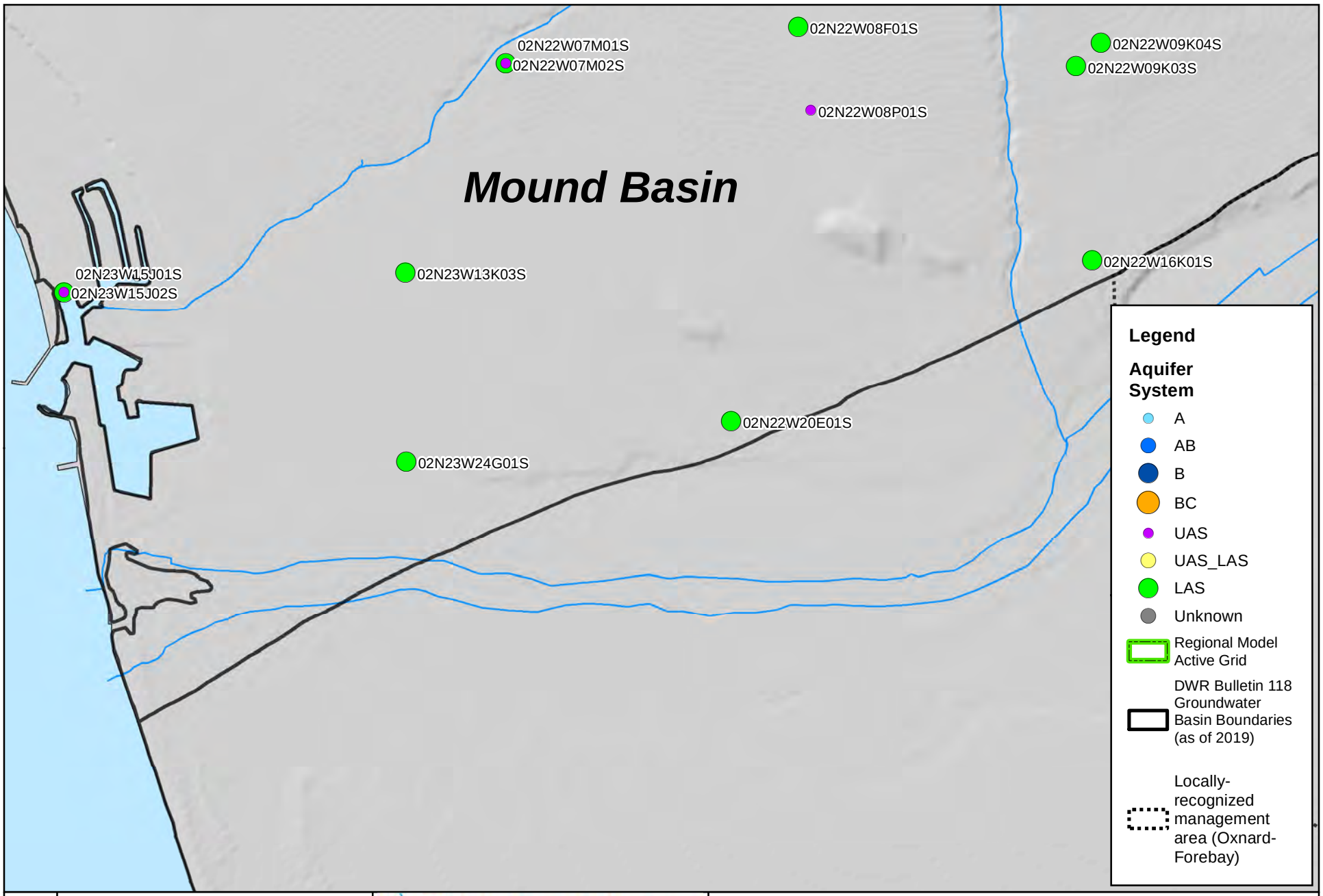

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Figure 4-15.
Representative Hydrographs of Simulated Groundwater Elevations in Mound Basin

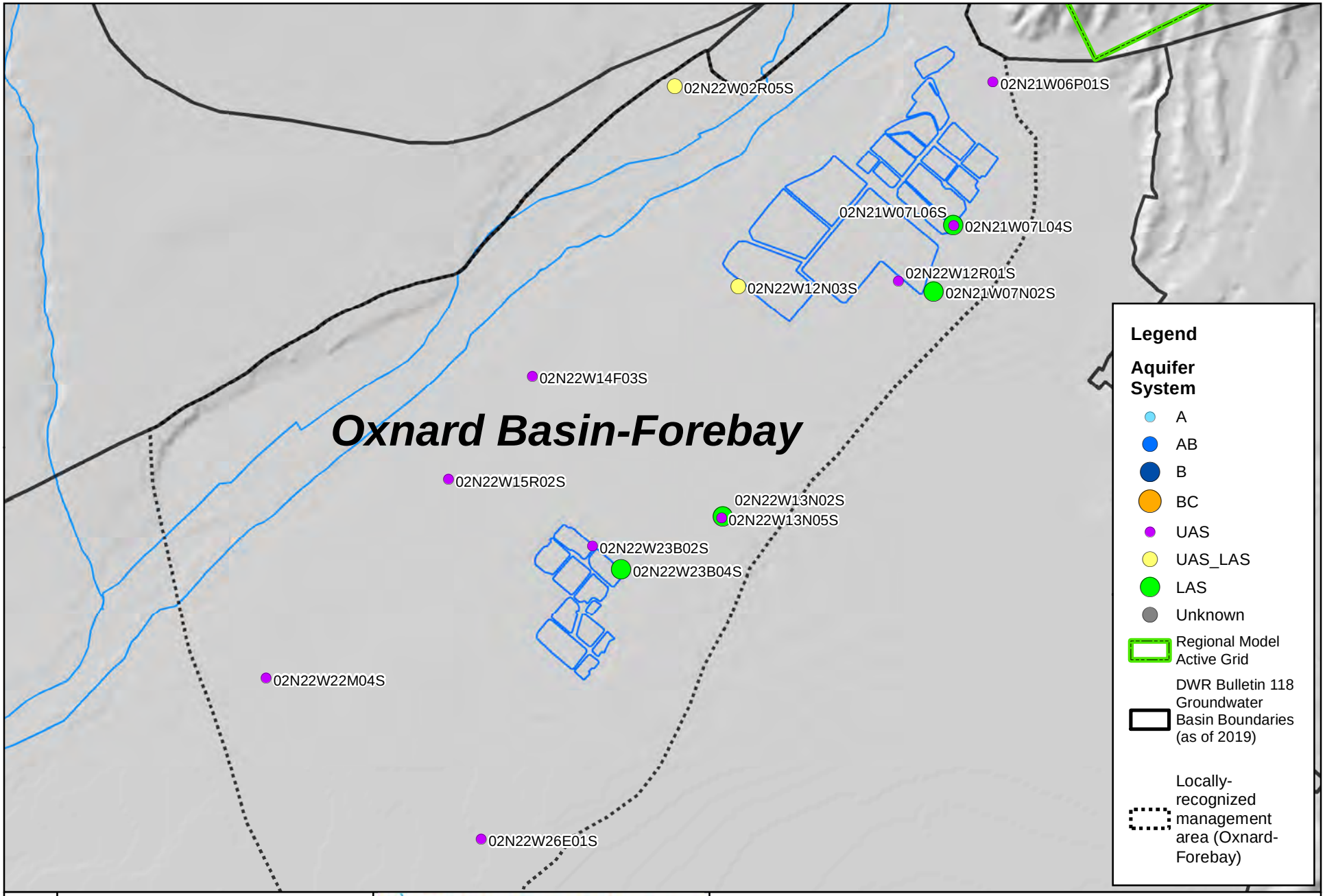

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Figure 4-16.
Representative Hydrographs of Simulated Groundwater Elevations in Oxnard Basin-Forebay

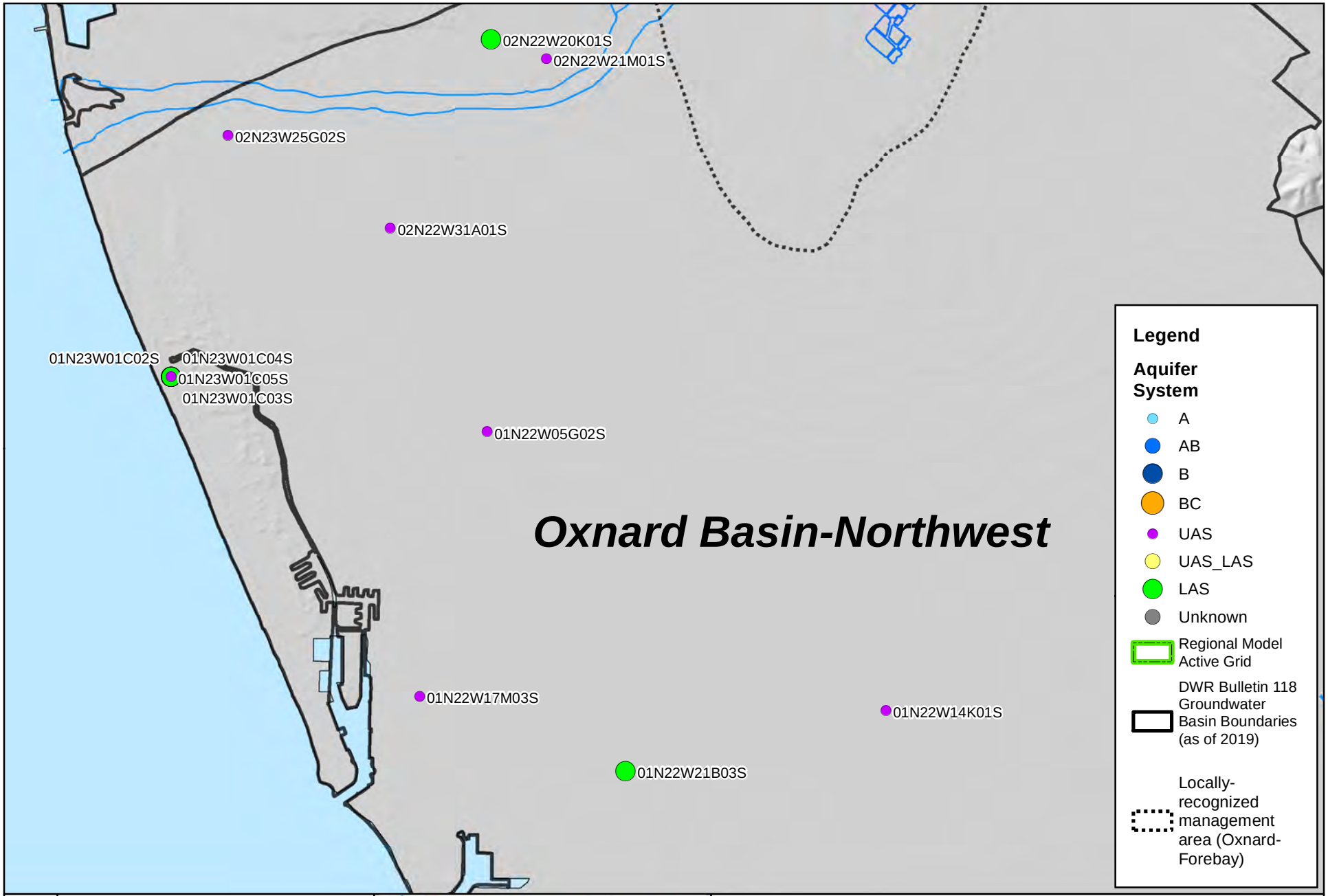

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Figure 4-17.
Representative Hydrographs of Simulated Groundwater Elevations in NW Oxnard Basin

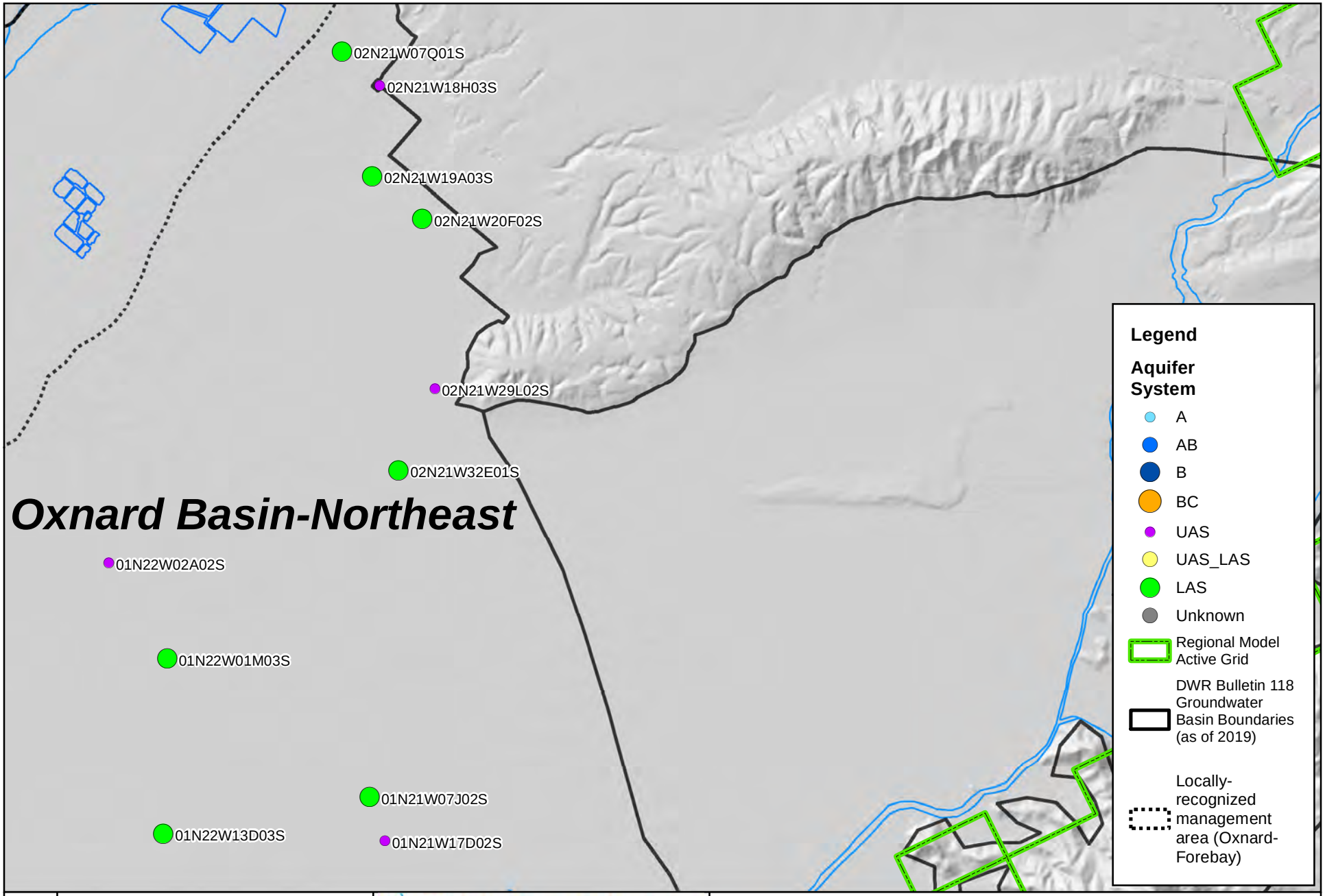

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Figure 4-18.
Representative Hydrographs of Simulated Groundwater Elevations in NE Oxnard Basin

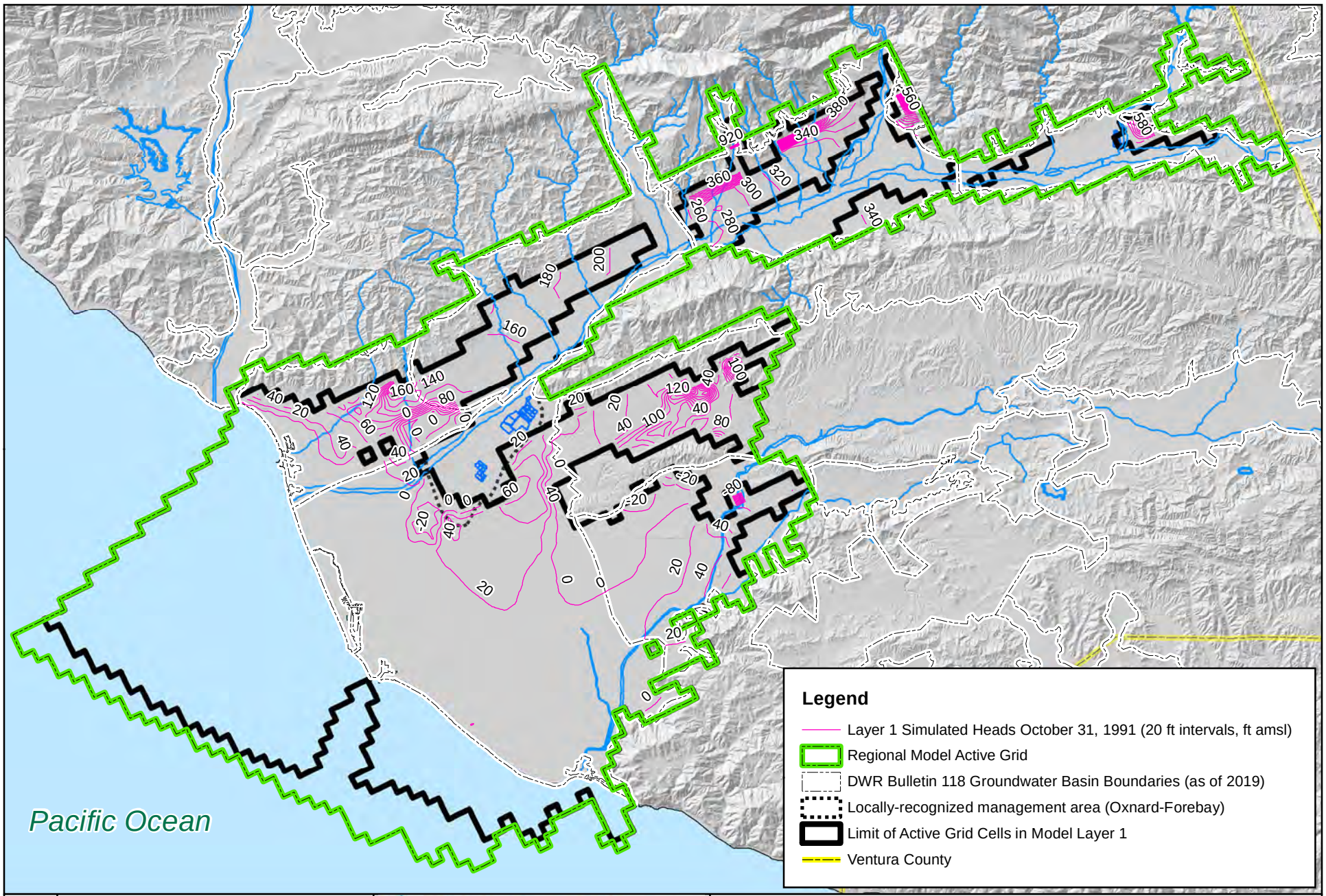

Figure 4-19.
October 1991 Simulated Head Contours of Model Layer 1

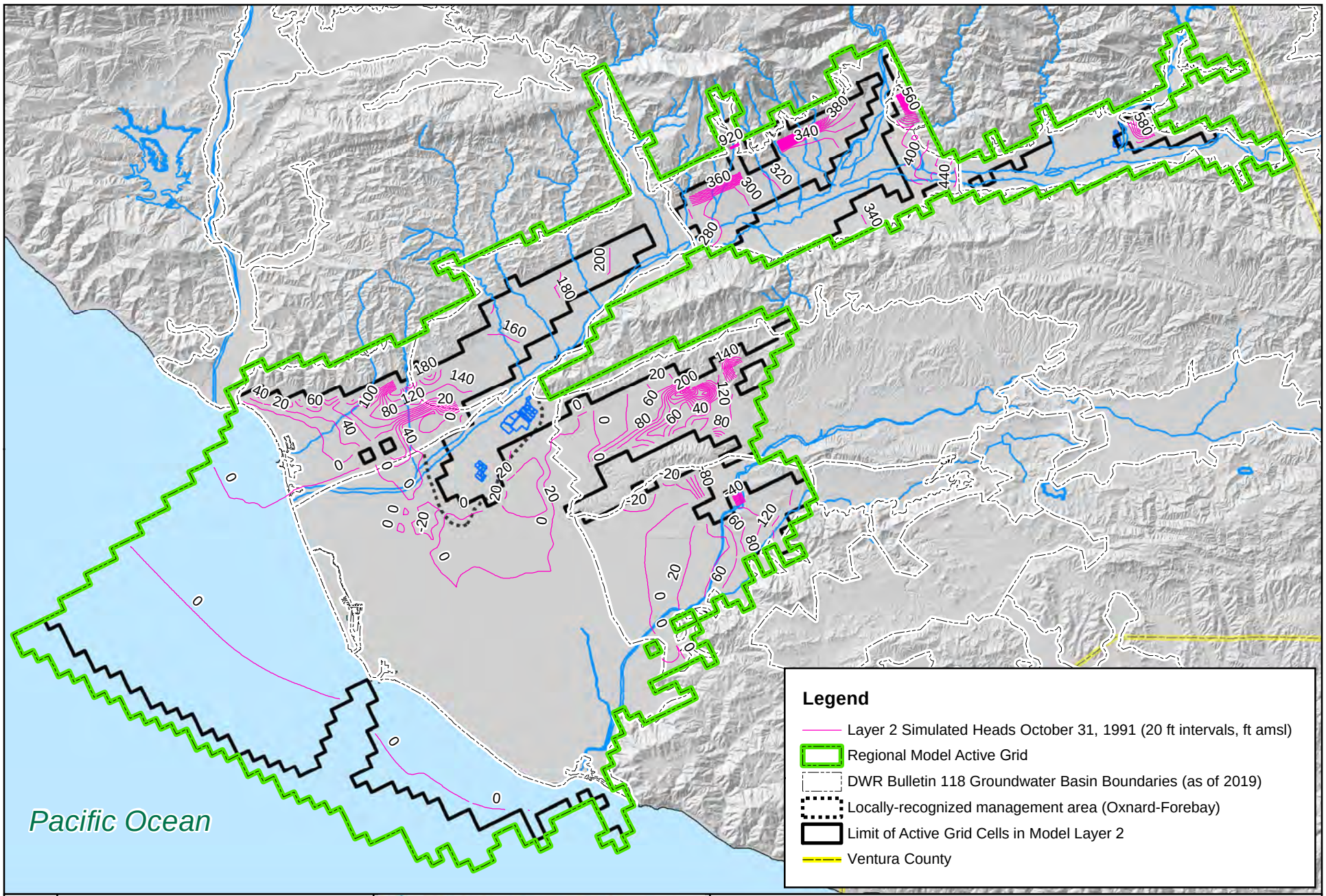

Figure 4-20.
October 1991 Simulated Head Contours of Model Layer 2

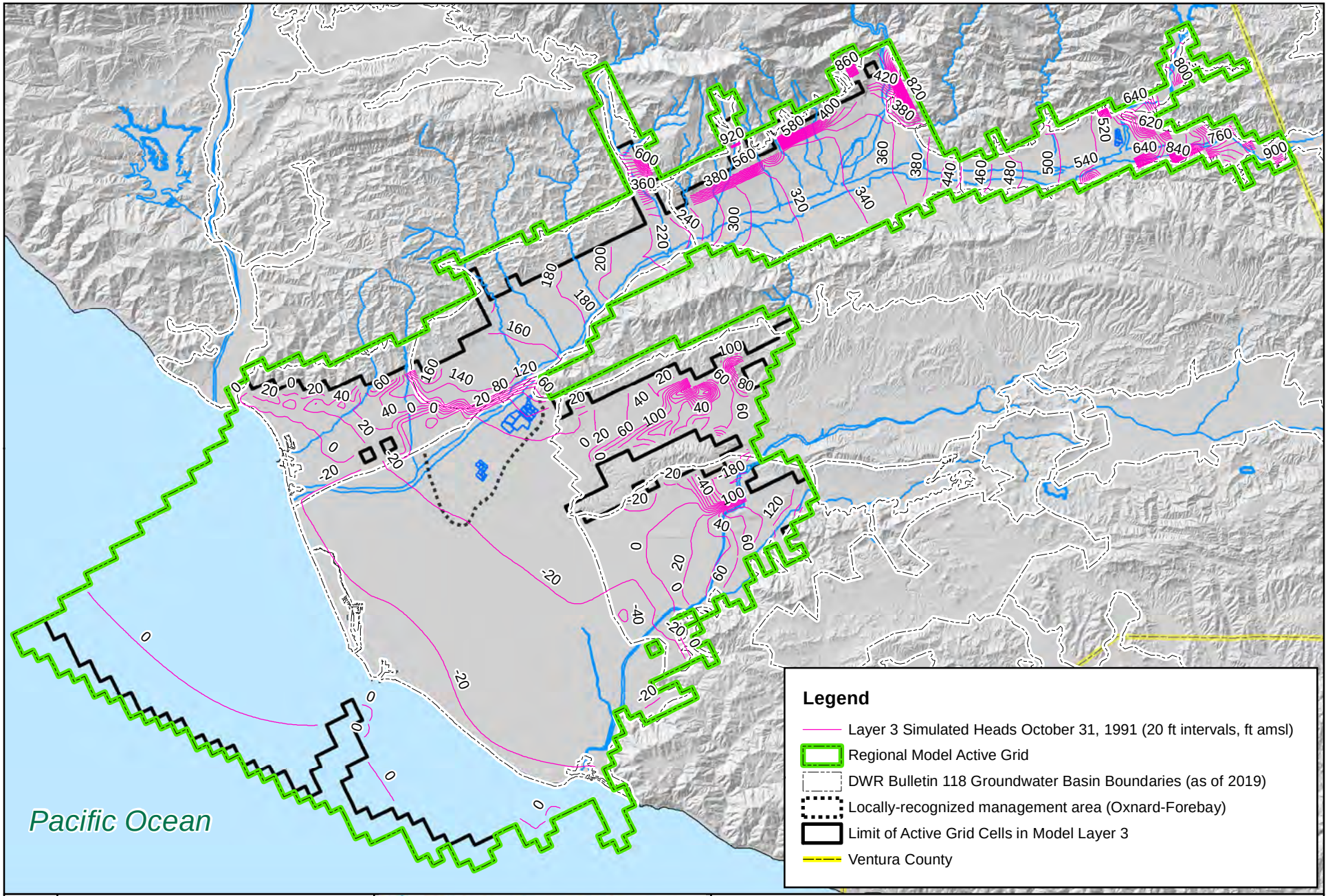

Figure 4-21.
October 1991 Simulated Head Contours of Model Layer 3

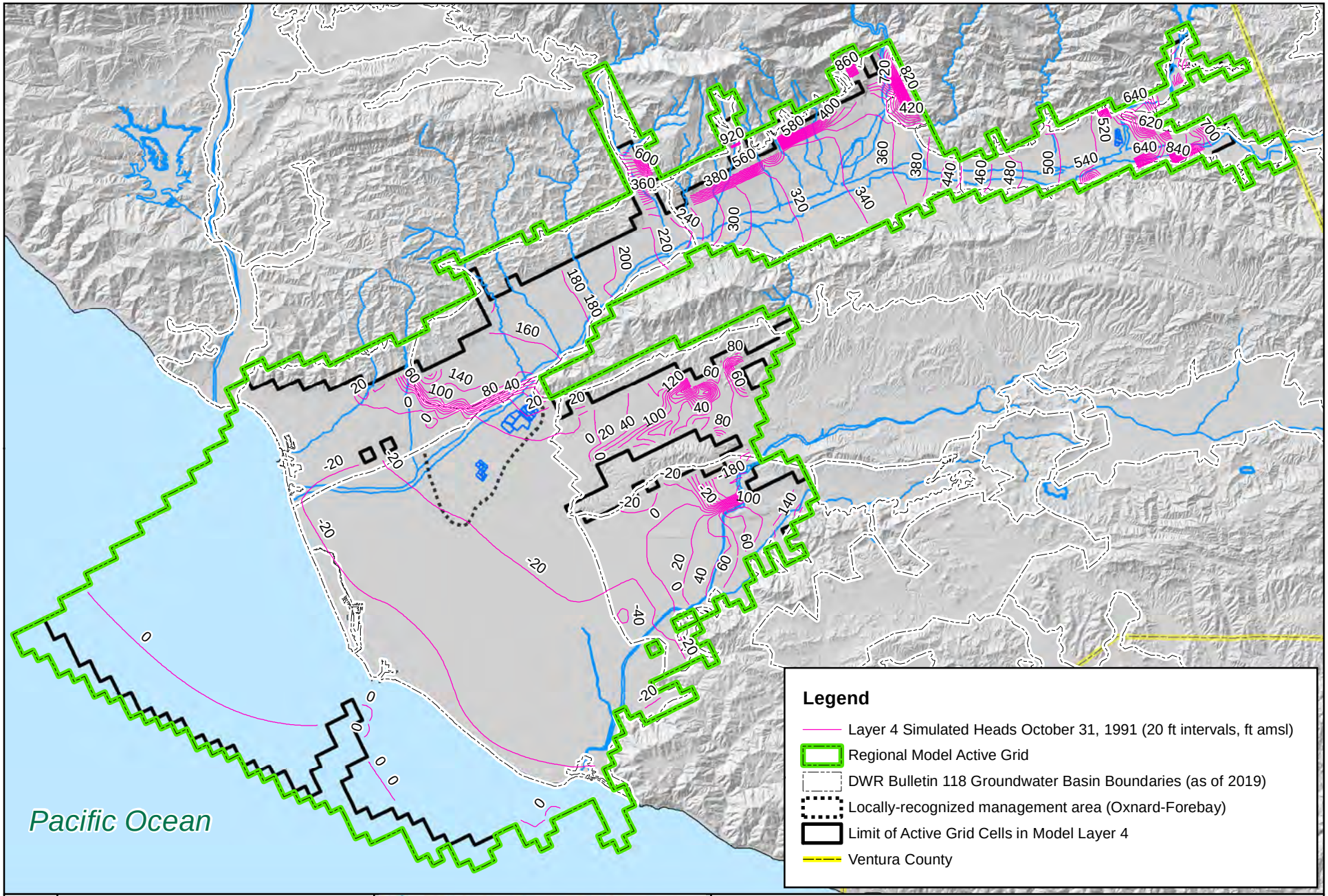

Figure 4-22.
October 1991 Simulated Head Contours of Model Layer 4

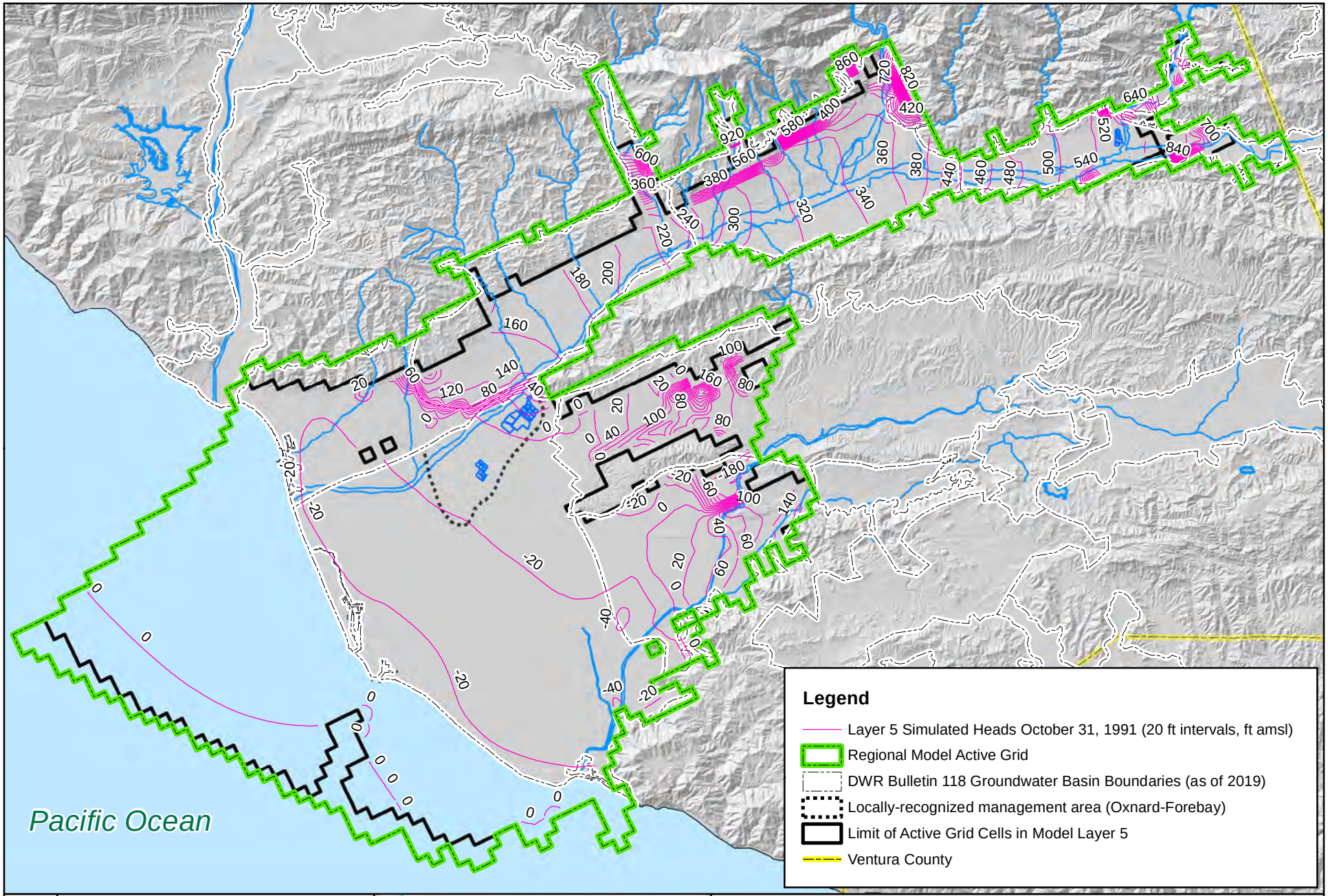

Figure 4-23.
October 1991 Simulated Head Contours of Model Layer 5