

CASGEM Groundwater Basin Prioritization Results Sorted by Basin Number									Data Component Ranking Value										Overall Ranking		Impact Comments	Other Information Comments
Basin count	Basin Number	Basin Name	Sub-Basin Name	Hydrologic Region	DWR Region Office	Basin Area		2010 Population	Population	Population Growth	Public Supply Wells	Total Wells *	Irrigated Acreage	Groundwater Reliance			Impacts	Other Information	Overall Basin Ranking Score ***	Overall Basin Priority		
						Acres	Sq. Mile							GW Use **	Percent of Total Supply **	GW Reliance Total						
1	3-12	SANTA MARIA		Central Coast	SRO	184,248	287.9	201,759	2	3	4	1.5	5	5	4	4.5	4	0	24.0	High	Documented overdraft of basin. Water quality degradation due to farming practices.	
2	3-13	CUYAMA VALLEY		Central Coast	SRO	242,114	378.3	1,236	0	0	1	0.75	2	3	5	4	3	3	13.8	Medium	Local salinity and TDS impairments in basin (B-118)	Declining Groundwater levels of 150-300' over the last 40-50 years (DWR, 1998). Conservation Assessment by TNC (2009) indicates annual gw budget deficit of ~ 28,500 af
3	3-14	SAN ANTONIO CREEK VALLEY		Central Coast	SRO	81,941	128.0	2,279	1	0	1	1.5	2	2	5	3.5	4	2	15.0	Medium	Overdraft, water quality degradation	Santa Barbara Water Element, Table 1, p.10, indicates San Antonio basin overdraft by ~ 9,000 af/yr
4	3-15	SANTA YNEZ RIVER VALLEY		Central Coast	SRO	204,642	319.8	75,460	1	1	3	2.25	3	3	5	4	3	0	17.3	Medium	Overdraft has been documented by the county in the past. Also some groundwater quality impairments.	
5	3-16	GOLETA		Central Coast	SRO	9,229	14.4	47,252	4	1	5	3.75	2	3	1	2	0	1	18.8	Medium		Estimated overdraft for the north-central portion of the basin ins estimated at 1,180 af/yr (Santa Barbara Water Conservation Element, 2009)
6	3-17	SANTA BARBARA		Central Coast	SRO	6,173	9.6	63,966	5	0	4	3.75	1	2	1	0	2	0	0.0	Very Low	WQ Impacts: Saline intrusion, locally high EC, hardness, hydrogen sulfides, and other constituents.(B-118)	
7	3-18	CARPINTERIA		Central Coast	SRO	8,140	12.7	14,561	3	0	4	2.25	5	2	1	0	0	0	0.0	Very Low		
8	3-19	CARRIZO PLAIN		Central Coast	SRO	210,896	329.5	440	0	0	1	0.75	2	0	1	0	0	0	0.0	Very Low		
9	3-33	SAN CARPOFORO VALLEY		Central Coast	SRO	1,054	1.6	4	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
10	3-34	ARROYO DE LA CRUZ VALLEY		Central Coast	SRO	1,028	1.6	1	0	0	0	0	3	0	0	0	0	0	0.0	Very Low		
11	3-35	SAN SIMEON VALLEY		Central Coast	SRO	560	0.9	9	1	0	5	0	3	5	1	0	0	0	0.0	Very Low		
12	3-36	SANTA ROSA VALLEY		Central Coast	SRO	3,525	5.5	920	1	0	2	0	4	0	0	0	0	0	0.0	Very Low		
13	3-37	VILLA VALLEY		Central Coast	SRO	1,358	2.1	21	1	0	0	0	4	0	0	0	0	0	0.0	Very Low		
14	3-38	CAYUCOS VALLEY		Central Coast	SRO	336	0.5	3	0	0	0	0	2	0	0	0	0	0	0.0	Very Low		
15	3-39	OLD VALLEY		Central Coast	SRO	1,179	1.8	217	1	0	0	0	2	0	0	0	0	0	0.0	Very Low		
16	3-40	TORO VALLEY		Central Coast	SRO	722	1.1	8	1	0	0	0	3	0	0	0	0	0	0.0	Very Low		
17	3-41	MORRO VALLEY		Central Coast	SRO	646	1.0	399	2	0	5	0	5	0	0	0	0	0	0.0	Very Low		
18	3-42	CHORRO VALLEY		Central Coast	SRO	1,547	2.4	247	1	0	3	0	5	0	0	0	0	0	0.0	Very Low		
19	3-43	RINCONADA VALLEY		Central Coast	SRO	2,579	4.0	11	0	0	0	0	4	1	1	0	0	0	0.0	Very Low		
20	3-44	POZO VALLEY		Central Coast	SRO	6,852	10.7	52	0	0	4	0	2	1	1	0	0	0	0.0	Very Low		
21	3-45	HUASNA VALLEY		Central Coast	SRO	4,706	7.4	55	1	0	0	0.75	2	0	1	0	0	0	0.0	Very Low		
22	3-46	RAFAEL VALLEY		Central Coast	SRO	2,996	4.7	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
23	3-47	BIG SPRING AREA		Central Coast	SRO	7,332	11.5	0	0	0	0	0	3	0	0	0	0	0	0.0	Very Low		
24	3-49	MONTECITO		Central Coast	SRO	6,286	9.8	9,885	3	0	4	3.75	1	1	1	0	1	0	0.0	Very Low	Locally high TDS within the basin. Wells exceed Federal iron and manganese concentrations (B-118).	
25	3-53	FOOTHILL		Central Coast	SRO	3,123	4.9	17,543	4	2	5	3.75	1	3	1	0	5	0	0.0	Very Low	USGS documented nitrates exceeding MCL and high sulfates in the basin. TDS is documented to be high in the basin and potential for saline intrusion.	
26	4-1	UPPER OJAI VALLEY		South Coast	SRO	3,815	6.0	616	1	0	2	0.75	3	1	1	0	5	0	0.0	Very Low	Groundwater has been documented to contain high levels of boron, sodium chloride, high TDS, sulfate, nitrates, iron, and chlorides (B-118)	
27	4-10	CONEJO		South Coast	SRO	18,848	29.4	96,704	4	2	1	1.5	1	2	3	2.5	1	0	13.0	Low	Locally high TDS in basin and one well with nitrate levels above MCL (B-118).	
28	4-11.01	COASTAL PLAIN OF LOS ANGELES	SANTA MONICA	South Coast	SRO	31,846	49.8	465,606	5	3	2	3.75	0	2	3	2.5	3	0	19.3	Medium	MTBE contamination has led to significant reduction in groundwater production and locally high TDS.	
29	4-11.02	COASTAL PLAIN OF LOS ANGELES	HOLLYWOOD	South Coast	SRO	10,108	15.8	250,649	5	0	3	3.75	0	2	3	0	1	0	0.0	Very Low	MWD lists some TDS and VOC water quality issues.	
30	4-11.03	COASTAL PLAIN OF LOS ANGELES	WEST COAST	South Coast	SRO	93,795	146.6	1,195,195	5	1	3	3.75	0	3	3	3	5	0	20.8	Medium	Basin in overdraft since 1960's. Adjudicated basin. Saline intrusion problem and a seawater barrier project is in effect to reduce seawater intrusion.	
31	4-11.04	COASTAL PLAIN OF LOS ANGELES	CENTRAL	South Coast	SRO	180,357	281.8	3,052,303	5	2	5	3.75	0	5	3	4	5	0	24.8	High	Basin was adjudicated in the early 1960's due to overdraft. Several public supply wells are known to be impacted by various water quality issues.	
32	4-12	SAN FERNANDO VALLEY		South Coast	SRO	145,354	227.1	1,745,338	5	3	3	2.25	0	4	1	2.5	3	1	19.8	Medium	Several public supply wells have shown contamination per Bulletin 118.	Basin is adjudicated.
33	4-13	SAN GABRIEL VALLEY		South Coast	SRO	127,278	198.9	1,275,187	5	1	5	2.25	0	5	3	4	3	1	21.3	High	Superfund sites are present within the basin and other areas with water quality impacts are known.	Adjudication (aka Six Basins)
34	4-15	TIERRA REJADA		South Coast	SRO	4,611	7.2	3,673	2	3	0	0.75	4	1	1	0	1	0	0.0	Very Low	Locally high nitrates documented in the basin (B-118).	
35	4-16	HIDDEN VALLEY		South Coast	SRO	2,217	3.5	503	1	0	4	1.5	5	1	1	0	0	0	0.0	Very Low		
36	4-17	LOCKWOOD VALLEY		South Coast	SRO	21,841	34.1	241	1	0	1	0.75	0	2	5	3.5	5	0	11.3	Low	Boron, arsenic, and radioactive uranium in some wells (B-118).	
37	4-18	HUNGRY VALLEY		South Coast	SRO	5,324	8.3	2	0	0	2	0	0	0	0	0	1	0	0.0	Very Low	Water is slightly alkaline (B-118).	
38	4-19	THOUSAND OAKS AREA		South Coast	SRO	3,115	4.9	17,202	4	1	0	2.25	0	1	3	0	5	0	0.0	Very Low	High TDS, alkalinity, and hardness in the basin (B-118).	
39	4-2	OJAI VALLEY		South Coast	SRO	6,851	10.7	8,268	2	0	4	1.5	4	5	5	5	2	0	18.5	Medium	High nitrates and sulfates reported in the basin. Medium to high levels of nitrates reported in the basin.	
40	4-20	RUSSELL VALLEY		South Coast	SRO	3,087	4.8	18,860	4	0	0	1.5	0	2	1	0	3	0	0.0	Very Low	TDS and sulfate exceed MCL for some wells in the basin per Bulletin 118.	

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41	4-22	MALIBU VALLEY		South Coast	SRO	615	1.0	563	2	0	0	3.75	0	0	0	0	5	0	0.0	Very Low	Saline intrusion, high TDS and chlorides have been documented.	
42	4-23	RAYMOND		South Coast	SRO	26,310	41.1	223,100	5	2	5	0.75	0	5	5	3	0	20.8	Medium	Water quality impacts and a superfund.		
43	4-3.01	VENTURA RIVER VALLEY	UPPER VENTURA RIVER	South Coast	SRO	7,430	11.6	15,961	3	0	5	0.75	2	4	5	4.5	3	0	18.3	Medium	TDS is known to be high in some parts of the basin (B-118).	
44	4-3.02	VENTURA RIVER VALLEY	LOWER VENTURA RIVER	South Coast	SRO	5,312	8.3	15,920	3	1	0	2.25	2	1	2	0	3	0	0.0	Very Low	Oil, high sulfates, nitrates, and hydrogen sulfide are documented to be present in the basin.	
45	4-4.02	SANTA CLARA RIVER VALLEY	OXNARD	South Coast	SRO	58,200	90.9	235,973	4	3	4	0.75	5	5	5	5	5	0	26.8	High	Saline intrusion, nitrates, pesticides, and PCBs have impacted some water wells per (B-118).	
46	4-4.03	SANTA CLARA RIVER VALLEY	MOUND	South Coast	SRO	14,846	23.2	77,886	4	2	1	2.25	3	3	5	4	1	0	17.3	Medium	Some primary and secondary inorganic contaminants above the MCL (B-118).	
47	4-4.04	SANTA CLARA RIVER VALLEY	SANTA PAULA	South Coast	SRO	22,899	35.8	46,816	3	1	3	1.5	4	5	5	5	3	0	20.5	Medium	Nitrates can fluctuate significantly in the basin, and above MCL. Other inorganics present above MCL. TDS is known to be high.	
48	4-4.05	SANTA CLARA RIVER VALLEY	FILLMORE	South Coast	SRO	20,842	32.6	16,417	2	2	4	0.75	5	0	0	5	2	0	20.8	Medium	Many groundwater quality impairments in the basin; Nitrates problematic during dry periods; High TDS, etc. (B-118). REH - PubComm indicted WO is localized and being managed	
49	4-4.06	SANTA CLARA RIVER VALLEY	PIRU	South Coast	SRO	8,915	13.9	2,666	1	4	3	0.75	5	5	5	5	3	0	21.8	High	GW Quality impacts: nitrates, storm runoff, leaking tanks, etc. (B-118). High Selenium and other inorganics, average TDS was 1450 mg/l (Ventura co 2011 annual gw report)	
50	4-4.07	SANTA CLARA RIVER VALLEY	SANTA CLARA RIVER VALLEY EAST	South Coast	SRO	66,417	103.8	221,204	3	5	4	2.25	1	4	1	2.5	5	0	22.8	High	GW Quality Impacts: Nitrates, TCE, TDS, perchlorates, etc. (B-118)	
51	4-5	ACTON VALLEY		South Coast	SRO	8,300	13.0	2,280	1	4	5	3	0	2	2	0	1	0	0.0	Very Low	Locally high concentrations of TDS, sulfate, and chloride and two wells in the basin with known concentrations of nitrates exceeding MCL (B-118).	
52	4-6	PLEASANT VALLEY		South Coast	SRO	21,654	33.8	69,392	3	3	4	1.5	5	5	5	5	1	0	22.5	High	PC - Discharge of poor quality GW from dewatering wells and effluent discharge from the wastewater treatment facility into the Arroyo Simi have led to rising water levels in the basin along with higher TDS and Chloride levels	
53	4-7	ARROYO SANTA ROSA VALLEY		South Coast	SRO	3,747	5.9	2,211	2	0	4	0.75	5	5	5	5	3	0	19.8	Medium	Elevated sulfates, nitrates, and TDS in the basin. (B-118)	
54	4-8	LAS POSAS VALLEY		South Coast	SRO	42,353	66.2	39,835	2	2	3	2.25	5	5	5	5	3	0	22.3	High	TDS is generally high in this basin. Pubic Comment includes reports of subsidence, overdraft and saline intrusion (chloride from adjacent basin?)	
55	4-9	SIMI VALLEY		South Coast	SRO	12,192	19.0	98,625	5	1	2	0.75	1	2	3	2.5	1	0	13.3	Low	VOCs, elevated TDS, and nitrates (B-118)	
56	6-10	ADOBE LAKE VALLEY		South Lahontan	SRO	39,978	62.5	4	0	0	0	0.75	0	0	5	0	0	0	0.0	Very Low		
57	6-11	LONG VALLEY		South Lahontan	SRO	72,028	112.5	800	1	0	2	0.75	2	2	1	0	1	0	0.0	Very Low	Local impairments from thermal waters and some springs with high TDS, fluoride, boron, and other elements, but water quality suitable overall.	
58	6-12	OWENS VALLEY		South Lahontan	SRO	663,458	1,036.7	17,664	1	0	1	0.75	1	2	4	3	2	5	13.8	Medium	Minor impairments locally due to inorganics.	Actual GW Volume not fully captured due to gw exports out of the basin resulting in limited irrigated acres and domestic development. GW volume reflects the additional pumping that is exported
59	6-13	BLACK SPRINGS VALLEY		South Lahontan	SRO	30,911	48.3	0	0	0	0	0.75	0	0	0	0	0	0	0.0	Very Low		
60	6-14	FISH LAKE VALLEY		South Lahontan	SRO	48,333	75.5	36	0	0	0	0.75	2	3	5	4	0	0	6.8	Low		
61	6-15	DEEP SPRINGS VALLEY		South Lahontan	SRO	30,048	47.0	5	0	0	1	0.75	1	1	5	0	0	0	0.0	Very Low		
62	6-16	EUREKA VALLEY		South Lahontan	SRO	129,329	202.1	10	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
63	6-17	SALINE VALLEY		South Lahontan	SRO	146,850	229.5	0	0	0	0	0	0	0	0	0	5	0	0.0	Very Low	GW Quality Impairments: High TDS and Fluorides, groundwater is inferior for domestic use. (B-118)	
64	6-18	DEATH VALLEY		South Lahontan	SRO	926,496	1,447.7	190	0	0	1	0.75	1	0	5	0	0	0	0.0	Very Low		
65	6-19	WINGATE VALLEY		South Lahontan	SRO	71,755	112.1	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
66	6-20	MIDDLE AMARGOSA VALLEY		South Lahontan	SRO	392,862	613.8	230	0	0	1	0.75	0	0	5	0	4	0	0.0	Very Low	Water quality is rated inferior to marginal for domestic purposes due to elevated fluoride and boron contents; however, locally groundwater is of good quality. (B-118)	
67	6-21	LOWER KINGSTON VALLEY		South Lahontan	SRO	241,892	378.0	0	0	0	0	0	0	0	0	0	5	0	0.0	Very Low	Groundwater is inferior for domestic or irrigation purposes due to elevated fluoride, chloride, boron, sulfate and TDS (B-118)	
68	6-22	UPPER KINGSTON VALLEY		South Lahontan	SRO	178,533	279.0	37	0	0	1	0.75	0	0	5	0	4	0	0.0	Very Low	Groundwater is marginal to inferior for domestic or irrigation purposes due to elevated fluoride and TDS (B-118).	
69	6-23	RIGGS VALLEY		South Lahontan	SRO	88,274	137.9	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
70	6-24	RED PASS VALLEY		South Lahontan	SRO	97,088	151.7	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		

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71	6-25	BICYCLE VALLEY		South Lahontan	SRO	90,100	140.8	0	0	0	1	0.75	0	0	0	0	3	0	0.0	Very Low	Elevated TDS and fluoride (B-118).	
72	6-26	AVAWATZ VALLEY		South Lahontan	SRO	27,826	43.5	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
73	6-27	LEACH VALLEY		South Lahontan	SRO	61,620	96.3	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
74	6-28	PAHRUMP VALLEY		South Lahontan	SRO	93,747	146.5	99	0	0	0	0.75	0	2	5	0	2	0	0.0	Very Low	Water levels generally declining per B-118 and USGS NWIS. State of Nevada Department of Water Resources has documented overdraft and subsidence conditions in this basin ( <a href="http://water.nv.gov/documents/presentations/pahrump.pdf">http://water.nv.gov/documents/presentations/pahrump.pdf</a> )	
75	6-29	MESQUITE VALLEY		South Lahontan	SRO	89,012	139.1	64	0	0	0	0.75	1	1	1	0	3	0	0.0	Very Low	Declining water levels. Locally high TDS in southern portion of basin makes GW marginal to inferior for domestic uses. (B-118)	
76	6-30	IVANPAH VALLEY		South Lahontan	SRO	200,155	312.7	40	0	0	1	0.75	0	0	5	0	4	0	0.0	Very Low	Basin groundwater is rated marginal to inferior for both domestic and irrigational use because of elevated fluoride and sodium.(B-118)	
77	6-31	KELSO VALLEY		South Lahontan	SRO	257,279	402.0	20	0	0	0	0.75	0	0	5	0	0	0	0.0	Very Low		
78	6-32	BROADWELL VALLEY		South Lahontan	SRO	92,688	144.8	8	0	0	1	0.75	0	0	5	0	0	0	0.0	Very Low		
79	6-33	SODA LAKE VALLEY		South Lahontan	SRO	383,560	599.3	750	0	0	1	0.75	0	0	5	0	5	0	0.0	Very Low	Groundwater quality is rated marginal to inferior for both domestic and irrigation purposes. This assessment is based on 66 analyses showing elevated concentrations of fluoride, boron, and TDS. <u>Geotracker shows many UIST sites</u>	
80	6-34	SILVER LAKE VALLEY		South Lahontan	SRO	35,519	55.5	0	0	0	0	0.75	0	0	0	0	4	0	0.0	Very Low	Groundwater in this basin is rated marginal to inferior for both domestic and irrigation uses because of elevated concentrations of fluoride, boron, and TDS. (B-118)	
81	6-35	CRONISE VALLEY		South Lahontan	SRO	127,313	198.9	2	0	0	0	0.75	0	0	0	0	0	0	0.0	Very Low		
82	6-36.01	LANGFORD VALLEY	LANGFORD WELL LAKE	South Lahontan	SRO	19,457	30.4	0	0	0	1	0	0	0	0	0	0	0	0.0	Very Low		
83	6-36.02	LANGFORD VALLEY	IRWIN	South Lahontan	SRO	10,557	16.5	8,845	2	5	1	1.5	0	0	0	0	3	0	0.0	Very Low	Locally high iron and fluoride concentrations.(B-118)	
84	6-37	COYOTE LAKE VALLEY		South Lahontan	SRO	88,735	138.6	99	0	0	0	0.75	0	0	5	0	4	0	0.0	Very Low	Groundwater quality is rated as inferior to marginal for both domestic and irrigation purposes because of elevated levels of fluoride, boron, sodium, and TDS. (B-118)	
85	6-38	CAVES CANYON VALLEY		South Lahontan	SRO	73,542	114.9	88	0	0	1	0.75	0	0	0	0	3	0	0.0	Very Low	Suitability of groundwater quality is rated inferior for irrigation and suitable to inferior for domestic use (DWR 1964). Historical measurements show TDS content ranging from 622 to 1,272 mg/L with an average of 904 mg/L (DWR 1964).	
86	6-40	LOWER MOJAVE RIVER VALLEY		South Lahontan	SRO	287,563	449.3	32,938	1	1	2	0.75	1	2	5	3.5	5	1	15.3	Medium	Groundwater basin has been in overdraft. Water quality has been impaired from natural sources, leaking tanks, and superfund sites from military bases.	Basin is adjudicated. USGS reports GW Level declines of 100 ft since the 1930s
87	6-41	MIDDLE MOJAVE RIVER VALLEY		South Lahontan	SRO	212,595	332.2	6,654	1	0	1	0.75	1	2	5	3.5	3	1	11.3	Low	Groundwater Quality impairments for VOCs, salts, nitrates, and irrigation effluents. Waste water treatment plant have also affected groundwater quality. Some nitrates and fluoride exceed MCL.	Basin is adjudicated.
88	6-42	UPPER MOJAVE RIVER VALLEY		South Lahontan	SRO	415,295	648.9	355,338	2	5	3	0.75	1	2	4	3	5	2	21.8	High	Overdraft. Water quality impacts in basin including nitrates, inorganics, and fuel additives, etc. Superfund site within basin.	Basin is adjudicated (+1). Irrigated Acreage of zero from DAU isn't correct, add +1
89	6-43	EL MIRAGE VALLEY		South Lahontan	SRO	76,292	119.2	10,933	1	4	2	0.75	1	1	5	3	4	0	15.8	Medium	Groundwater levels have declined significantly in parts of the basin, some have recovered. Water is rated marginal to inferior for domestic and irrigation purposes. (B-118). Some documented VOCs issues also	
90	6-44	ANTELOPE VALLEY		South Lahontan	SRO	1,014,596	1,585.3	398,864	2	4	2	1.5	1	1	5	3	5	3	21.5	High	Closed basin. Water quality impacts per IRWMP, DWR B-118, and other sources. Extractions likely exceed natural recharge.	Pending Adjudication, water reliability issues, and renewed subsidence
91	6-45	TEHACHAPI VALLEY EAST		South Lahontan	SRO	24,055	37.6	480	1	0	2	2.25	1	0	3	0	5	0	0.0	Very Low	Court adjudicated basin in overdraft. Groundwater quality issues.	
92	6-46	FREMONT VALLEY		South Lahontan	SRO	336,682	526.1	16,883	1	0	1	0.75	0	1	5	3	5	0	10.8	Low	Basin has naturally high TDS locally and other constituents. Groundwater levels have shown significant decline throughout the basin.	
93	6-47	HARPER VALLEY		South Lahontan	SRO	411,827	643.5	1,634	0	0	1	0.75	1	1	1	1	5	1	9.8	Low	Extensive chromium issues well known in Hinkley. In addition, water quality of the basin is generally marginal to inferior for irrigation and domestic uses because of high concentrations of boron, fluoride, and sodium	Adjudicated Basin
94	6-48	GOLDSTONE VALLEY		South Lahontan	SRO	28,287	44.2	0	0	0	0	0.75	0	0	0	0	3	0	0.0	Very Low	Groundwater quality in the basin is rated as inferior for irrigation purposes and marginal for domestic use because of elevated concentrations of chloride, fluoride, and TDS.	

CASGEM Groundwater Basin Prioritization Results Sorted by Basin Number									Data Component Ranking Value								Overall Ranking		Impact Comments	Other Information Comments			
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						Acres	Sq. Mile							GW Use **	Percent of Total Supply **	GW Reliance Total							
95	6-49	SUPERIOR VALLEY		South Lahontan	SRO	121,084	189.2	0	0	0	1	0.75	0	0	0	0	0	0	0	0.0	Very Low		
96	6-50	CUDDEBACK VALLEY		South Lahontan	SRO	95,418	149.1	97	0	0	0	0	0	0	5	0	3	0	0.0	Very Low	Groundwater quality is ranked marginal to inferior for most beneficial uses due to elevated concentrations of chloride and TDS.		
97	6-51	PILOT KNOB VALLEY		South Lahontan	SRO	139,460	217.9	0	0	0	1	0.75	0	0	0	0	0	0	0.0	Very Low			
98	6-52	SEARLES VALLEY		South Lahontan	SRO	198,115	309.6	1,651	0	0	0	0.75	0	0	5	0	5	0	0.0	Very Low	Water locally beneficial in the north, but generally unsuitable for beneficial uses due to high concentrations of fluoride, boron, sodium, chloride, sulfate, and TDS. Water levels have declined due to pumping for evaporates.		
99	6-53	SALT WELLS VALLEY		South Lahontan	SRO	29,629	46.3	0	0	0	0	0.75	0	0	0	0	5	0	0.0	Very Low	The groundwater is rated inferior for all beneficial uses because of high TDS content that ranges from about 4,000 mg/L to 39,000 mg/L. Other impairments are elevated concentrations of sodium, chloride, and boron (DWR 1964).		
100	6-54	INDIAN WELLS VALLEY		South Lahontan	SRO	383,492	599.2	34,837	1	4	1	0.75	0	1	5	3	5	0	14.8	Medium	Overdraft has been documented since the 1960's. Water quality issues with respect to overdraft and mixing of aquifers.		
101	6-55	COSO VALLEY		South Lahontan	SRO	25,684	40.1	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
102	6-56	ROSE VALLEY		South Lahontan	SRO	42,709	66.7	10	0	0	1	0.75	0	1	5	0	0	0	0.0	Very Low			
103	6-57	DARWIN VALLEY		South Lahontan	SRO	44,386	69.4	39	0	0	0	0.75	0	0	5	0	0	0	0.0	Very Low			
104	6-58	PANAMINT VALLEY		South Lahontan	SRO	260,754	407.4	7	0	0	1	0.75	0	0	5	0	4	0	0.0	Very Low	Water from most wells located on the valley floor is ranked inferior for domestic use and marginal to inferior for irrigation purposes.		
105	6-61	CAMEO AREA		South Lahontan	SRO	9,349	14.6	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
106	6-62	RACE TRACK VALLEY		South Lahontan	SRO	14,184	22.2	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
107	6-63	HIDDEN VALLEY		South Lahontan	SRO	18,037	28.2	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
108	6-64	MARBLE CANYON AREA		South Lahontan	SRO	10,422	16.3	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
109	6-65	COTTONWOOD SPRING AREA		South Lahontan	SRO	3,918	6.1	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
110	6-66	LEE FLAT		South Lahontan	SRO	20,380	31.8	0	0	0	0	0.75	0	0	0	0	0	0	0.0	Very Low			
111	6-68	SANTA ROSA FLAT		South Lahontan	SRO	16,861	26.3	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
112	6-69	KELSO LANDER VALLEY		South Lahontan	SRO	11,208	17.5	0	0	0	0	0.75	0	0	0	0	0	0	0.0	Very Low			
113	6-70	CACTUS FLAT		South Lahontan	SRO	7,056	11.0	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
114	6-71	LOST LAKE VALLEY		South Lahontan	SRO	23,414	36.6	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
115	6-72	COLES FLAT		South Lahontan	SRO	2,961	4.6	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
116	6-73	WILD HORSE MESA AREA		South Lahontan	SRO	3,337	5.2	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
117	6-74	HARRISBURG FLATS		South Lahontan	SRO	25,077	39.2	1	0	0	0	0	0	0	5	0	0	0	0.0	Very Low			
118	6-75	WILDROSE CANYON		South Lahontan	SRO	5,182	8.1	1	0	0	2	0	0	0	5	0	0	0	0.0	Very Low			
119	6-76	BROWN MOUNTAIN VALLEY		South Lahontan	SRO	21,862	34.2	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
120	6-77	GRASS VALLEY		South Lahontan	SRO	10,034	15.7	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
121	6-78	DENNING SPRING VALLEY		South Lahontan	SRO	7,289	11.4	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
122	6-79	CALIFORNIA VALLEY		South Lahontan	SRO	58,639	91.6	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
123	6-80	MIDDLE PARK CANYON		South Lahontan	SRO	1,752	2.7	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
124	6-81	BUTTE VALLEY		South Lahontan	SRO	8,853	13.8	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
125	6-82	SPRING CANYON VALLEY		South Lahontan	SRO	4,832	7.5	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			

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						Acres	Sq. Mile							GW Use **	Percent of Total Supply **	GW Reliance Total							
126	6-84	GREENWATER VALLEY		South Lahontan	SRO	60,260	94.2	0	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
127	6-85	GOLD VALLEY		South Lahontan	SRO	3,234	5.1	0	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
128	6-86	RHODES HILL AREA		South Lahontan	SRO	15,697	24.5	0	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
129	6-88	OWL LAKE VALLEY		South Lahontan	SRO	22,402	35.0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
130	6-89	KANE WASH AREA		South Lahontan	SRO	5,997	9.4	0	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
131	6-9	MONO VALLEY		South Lahontan	SRO	173,299	270.8	385	0	0	1	0.75	0	0	5	0	0	0	0	0.0	Very Low		
132	6-90	CADY FAULT AREA		South Lahontan	SRO	8,015	12.5	6	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
133	7-1	LANFAIR VALLEY		Colorado River	SRO	158,360	247.4	19	0	0	0	0.75	0	0	5	0	0	0	0	0.0	Very Low		
134	7-10	TWENTYNINE PALMS VALLEY		Colorado River	SRO	62,829	98.2	22,113	1	2	0	0.75	1	1	5	3	1	0	8.8	Low	Some wells in the basin exceed the recommended levels for drinking water in fluoride, TDS, and sulfate concentrations. Thermal waters also occur in this basin (DWR 1984).		
135	7-11	COPPER MOUNTAIN VALLEY		Colorado River	SRO	30,540	47.7	6,085	1	5	1	0.75	1	1	3	0	1	0	0.0	Very Low	Locally high TDS and septic tank problems.		
136	7-12	WARREN VALLEY		Colorado River	SRO	23,952	37.4	22,860	2	5	4	0.75	0	2	3	2.5	0	1	15.3	Medium		Basin is adjudicated.	
137	7-13.01	DEADMAN VALLEY	DEADMAN LAKE	Colorado River	SRO	89,793	140.3	22	0	0	0	0.75	0	0	5	0	0	0	0.0	Very Low			
138	7-13.02	DEADMAN VALLEY	SURPRISE SPRING	Colorado River	SRO	29,507	46.1	179	0	0	2	0	0	0	5	0	0	0	0.0	Very Low			
139	7-14	LAVIC VALLEY		Colorado River	SRO	103,132	161.1	0	0	0	0	0.75	0	0	0	0	0	0	0.0	Very Low			
140	7-15	BESSEMER VALLEY		Colorado River	SRO	39,379	61.5	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
141	7-16	AMES VALLEY		Colorado River	SRO	109,340	170.8	4,540	1	0	1	0.75	0	0	5	0	2	0	0.0	Very Low	Groundwater in the basin has locally high TDS, fluoride, and chloride contents (DWR 1975). TDS content reaches about 1,000 mg/L southwest of Emerson Lake (MWA 1999).		
142	7-17	MEANS VALLEY		Colorado River	SRO	15,061	23.5	46	0	0	0	0	0	0	5	0	2	0	0.0	Very Low	Fluoride, nitrate, and TDS concentrations are impairments locally.		
143	7-18.01	JOHNSON VALLEY	SOGGY LAKE	Colorado River	SRO	77,865	121.7	354	0	0	1	0.75	0	0	5	0	0	0	0.0	Very Low			
144	7-18.02	JOHNSON VALLEY	UPPER JOHNSON VALLEY	Colorado River	SRO	35,050	54.8	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
145	7-19	LUCERNE VALLEY		Colorado River	SRO	148,467	232.0	3,311	1	0	1	0.75	1	1	1	1	4	1	9.8	Low	Water level declines noted from 40 to 100 feet. Evidence of subsidence from overdraft of basin. Locally high nitrates and TDS (B-118).	Fall 1954 - Fall 2002 Change in GW Storage is estimated at - 460TAF (Napoli)	
146	7-2	FENNER VALLEY		Colorado River	SRO	457,633	715.1	31	0	0	1	0.75	0	0	5	0	0	0	0.0	Very Low			
147	7-20	MORONGO VALLEY		Colorado River	SRO	7,286	11.4	2,983	2	5	5	3	0	1	5	0	0	0	0.0	Very Low			
148	7-21.01	COACHELLA VALLEY	INDIO	Colorado River	SRO	299,784	468.4	368,855	2	5	3	0.75	3	4	3	3.5	2	0	19.3	Medium	Nitrates and addition of salts due to Colorado River imported water. Local areas of elevated fluoride.		
149	7-21.02	COACHELLA VALLEY	MISSION CREEK	Colorado River	SRO	48,966	76.5	18,974	1	5	2	0.75	0	3	5	4	2	1	15.8	Medium	Radiological and nitrate issues in the basin (B-118).	Mission Creek GW also supplies drinking water to Desert Hot Springs and part of Indio subbasins	
150	7-21.03	COACHELLA VALLEY	DESERT HOT SPRINGS	Colorado River	SRO	101,862	159.2	22,568	1	5	1	0.75	1	0	5	2.5	1	0	12.3	Low	High TDS and declining water levels have been documented for a long period of time in the Desert Hot Springs Subbasin.		
151	7-21.04	COACHELLA VALLEY	SAN GORGONIO PASS	Colorado River	SRO	38,823	60.7	29,540	2	5	3	0.75	1	3	5	4	2	1	18.8	Medium	Basin is in overdraft.		Basin is adjudicated.
152	7-22	WEST SALTON SEA		Colorado River	SRO	106,408	166.3	5,352	1	0	0	0.75	0	0	5	0	3	0	0.0	Very Low	Groundwater is marginal to poor for domestic and irrigation use because of elevated fluoride, boron, and TDS.		
153	7-24	BORREGO VALLEY		Colorado River	SRO	153,978	240.6	3,853	1	0	2	0.75	1	2	5	3.5	5	2	15.3	Medium	Overdraft conditions over 60 years. Some wells have been abandoned or destroyed due to high nitrates.		Most demand for basin is concentrated in north in a small area.
154	7-25	OCOTILLO-CLARK VALLEY		Colorado River	SRO	224,416	350.6	27	0	0	1	0.75	2	0	1	0.5	3	0	7.3	Low	High TDS, sulfate, chloride, and fluoride concentrations locally impair groundwater for domestic and irrigation use.		
155	7-26	TERWILLIGER VALLEY		Colorado River	SRO	8,081	12.6	1,085	1	5	1	3	1	2	1	0	1	0	0.0	Very Low	Locally elevated nitrates (B-118).		
156	7-27	SAN FELIPE VALLEY		Colorado River	SRO	23,573	36.8	188	0	0	1	1.5	1	1	1	0	3	0	0.0	Very Low	Significant groundwater declines documented in the late 1950s through early 1970s (B-118)		
157	7-28	VALLECITO-CARRIZO VALLEY		Colorado River	SRO	122,943	192.1	77	0	0	1	0.75	0	0	5	0	3	0	0.0	Very Low	Groundwater quality is marginal for domestic use because of elevated levels of fluoride and mineral content.		
158	7-29	COYOTE WELLS VALLEY		Colorado River	SRO	147,088	229.8	374	0	0	1	0.75	0	0	5	0	4	0	0.0	Very Low	Basin is in overdraft (B-118). There are local fluoride issues and elevated TDS in some of the shallower wells in the basin.		

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						Acres	Sq. Mile							GW Use **	Percent of Total Supply **	GW Reliance Total							
159	7-3	WARD VALLEY		Colorado River	SRO	564,569	882.1	22	0	0	0	0.75	0	0	5	0	0	0	0	0.0	Very Low		
160	7-30	IMPERIAL VALLEY		Colorado River	SRO	969,017	1,514.1	164,037	1	4	1	0.75	5	0	0	0	0	0	0	0.0	Very Low		
161	7-31	OROCOPIA VALLEY		Colorado River	SRO	97,214	151.9	2,243	1	0	0	0.75	0	3	5	2.5	1	0	0.0	Very Low	Some natural occurrences of elements or compounds that exceed drinking water standards.		
162	7-32	CHOCOLATE VALLEY		Colorado River	SRO	130,507	203.9	658	0	0	0	0.75	0	0	0	0	4	0	0.0	Very Low	Groundwater quality impairment due to elevated levels of fluoride, boron, and TDS (B-118). Elevated fluoride levels were found in nearly all mineral analyses of groundwater.		
163	7-33	EAST SALTON SEA		Colorado River	SRO	197,043	307.9	1,093	0	0	0	0.75	2	0	0	0	0	0	0.0	Very Low			
164	7-34	AMOS VALLEY		Colorado River	SRO	131,584	205.6	9	0	0	1	0	0	0	0	0	0	0	0.0	Very Low			
165	7-35	OGILBY VALLEY		Colorado River	SRO	135,017	211.0	36	0	0	1	0	1	0	1	0	0	0	0.0	Very Low			
166	7-36	YUMA VALLEY		Colorado River	SRO	125,741	196.5	3,146	1	0	1	0.75	3	0	0	0	0	0	0.0	Very Low			
167	7-37	ARROYO SECO VALLEY		Colorado River	SRO	259,806	405.9	6	0	0	1	0.75	0	0	5	0	0	0	0.0	Very Low			
168	7-38	PALO VERDE VALLEY		Colorado River	SRO	74,004	115.6	7,459	1	4	2	0.75	5	1	1	1	1	-2	12.8	Low	Some elevated TDS in groundwater makes water unsuitable for domestic or irrigation purposes (B-118)	Irrigated acres is almost all surface water. Reduce ranking somewhat due to low gw use	
169	7-39	PALO VERDE MESA		Colorado River	SRO	228,010	356.3	9,231	1	0	1	0.75	3	0	1	0.5	3	0	9.3	Low	Arsenic, selenium, fluoride, chloride, boron, sulfate, and TDS concentrations are high (DWR 1975).		
170	7-4	RICE VALLEY		Colorado River	SRO	190,622	297.8	23	0	0	0	0.75	0	0	5	0	0	0	0.0	Very Low			
171	7-40	QUIEN SABE POINT VALLEY		Colorado River	SRO	25,489	39.8	112	0	0	0	0	1	0	1	0	0	0	0.0	Very Low			
172	7-41	CALZONA VALLEY		Colorado River	SRO	81,708	127.7	1,608	1	0	0	0.75	0	0	5	0	0	0	0.0	Very Low			
173	7-42	VIDAL VALLEY		Colorado River	SRO	139,577	218.1	10	0	0	1	0.75	0	0	5	0	4	0	0.0	Very Low	Fluoride, chloride, sulfate, and TDS concentrations are high (DWR 1975). GW near town of Vidal has fluoride concentrations making water unusable domestically and sodium contents make water marginal for irrigation.		
174	7-43	CHEMEHUEVI VALLEY		Colorado River	SRO	275,713	430.8	395	0	0	0	0.75	0	0	5	0	3	0	0.0	Very Low	Concentrations of sulfate, chloride, fluoride, and TDS are high (DWR 1975).		
175	7-44	NEEDLES VALLEY		Colorado River	SRO	89,101	139.2	4,902	1	0	2	0.75	1	0	1	0.5	3	0	8.3	Low	Concentrations of sulfate, chloride, fluoride, and TDS content levels are high in the basin (DWR 1975).		
176	7-45	PIUTE VALLEY		Colorado River	SRO	177,319	277.1	2	0	0	0	0.75	0	0	5	0	0	0	0.0	Very Low			
177	7-46	CANEBRAKE VALLEY		Colorado River	SRO	5,460	8.5	2	0	0	0	0	0	1	5	0	0	0	0.0	Very Low			
178	7-47	JACUMBA VALLEY		Colorado River	SRO	2,472	3.9	517	1	0	4	1.5	0	2	5	0	5	3	0.0	Very Low	According to San Diego County documents, some wells are reportedly going dry; this is a small basin with over 500 residents and no source of imported water. TDS of some groundwaters recharging the basin are high.	According to aerial imagery review, GIS, and other docs, approximately 500 acres of crops are irrigated and Bulletin 118 boundary is significantly over exaggerated (incorporating bedrock areas probably 30 percent of which are included in Bull 118 boundary)	
179	7-48	HELENDALE FAULT VALLEY		Colorado River	SRO	2,637	4.1	9	0	0	0	0.75	0	0	5	0	0	0	0.0	Very Low			
180	7-49	PIPES CANYON FAULT VALLEY		Colorado River	SRO	3,408	5.3	5	0	0	0	1.5	0	0	5	0	0	0	0.0	Very Low			
181	7-5	CHUCKWALLA VALLEY		Colorado River	SRO	608,995	951.6	7,853	1	0	1	0.75	1	0	4	2	3	2	10.8	Low	Sulfate, chloride, fluoride, and TDS concentrations are high for domestic use (DWR 1975). High of boron and TDS concentrations, and high sodium percentage impair groundwater for irrigation use (DWR 1975)	Significant growth in industry (solar), and others. Prison is also a significant user the the GW resources.	
182	7-50	IRON RIDGE AREA		Colorado River	SRO	5,284	8.3	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
183	7-51	LOST HORSE VALLEY		Colorado River	SRO	17,455	27.3	0	0	0	0	0.75	0	0	0	0	0	0	0.0	Very Low			
184	7-52	PLEASANT VALLEY		Colorado River	SRO	9,733	15.2	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
185	7-53	HEXIE MOUNTAIN AREA		Colorado River	SRO	11,236	17.6	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
186	7-54	BUCK RIDGE FAULT VALLEY		Colorado River	SRO	6,974	10.9	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low			
187	7-55	COLLINS VALLEY		Colorado River	SRO	7,121	11.1	11	0	0	0	0	0	1	5	0	0	0	0.0	Very Low			
188	7-56	YAQUI WELL AREA		Colorado River	SRO	15,098	23.6	4	0	0	1	0.75	0	1	5	0	0	0	0.0	Very Low			
189	7-59	MASON VALLEY		Colorado River	SRO	5,567	8.7	23	0	0	2	0.75	0	1	5	0	0	0	0.0	Very Low			

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						Acres	Sq. Mile							GW Use **	Percent of Total Supply **	GW Reliance Total							
190	7-6	PINTO VALLEY		Colorado River	SRO	184,377	288.1	7	0	0	1	0.75	0	0	0	0	0	0	0	0.0	Very Low		
191	7-61	DAVIES VALLEY		Colorado River	SRO	3,600	5.6	0	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
192	7-62	JOSHUA TREE		Colorado River	SRO	27,422	42.8	4,951	1	5	3	0.75	0	0	5	0	1	0	0.0	Very Low	Fluoride concentration in water from some wells has reached 9.0 mg/L, exceeding recommended maximum concentration levels of 1.4 mg/L (B-118, DWR 1984).		
193	7-63	VANDEVENTER FLAT		Colorado River	SRO	6,787	10.6	50	0	0	0	0.75	0	0	5	0	0	0	0.0	Very Low			
194	7-7	CADIZ VALLEY		Colorado River	SRO	272,931	426.5	10	0	0	0	0.75	0	0	5	0	0	0	0.0	Very Low			
195	7-8	BRISTOL VALLEY		Colorado River	SRO	501,834	784.1	27	0	0	1	0.75	1	0	5	2.5	3	0	8.3	Low	Fluoride content in some wells exceeds the recommended MCL level (C-118). TDS content is extremely high in some wells near Bristol Lake (DWR 1967).		
196	7-9	DALE VALLEY		Colorado River	SRO	214,650	335.4	1,197	0	0	1	0.75	1	0	5	0	5	0	0.0	Very Low	Groundwater quality in basin is generally unsuitable for domestic and agricultural uses (DWR 1979). TDS and F concentrations impair for domestic use, and B and Na concentrations impair agricultural use in basin (DWR 1979). USGS data shows declining water		
197	8-1	COASTAL PLAIN OF ORANGE COUNTY		South Coast	SRO	223,222	348.8	2,309,966	5	2	4	3.75	0	5	5	5	1	0	20.8	Medium	Saline intrusion issues.		
198	8-2.01	UPPER SANTA ANA VALLEY	CHINO	South Coast	SRO	154,693	241.7	898,653	4	2	4	2.25	3	5	3	4	3	1	23.3	High	Locally high nitrates and TDS. Pub Com, to include subsidence, historic overdraft, ground fissuring, problems mitigated with OBMP, reduce from 4 to 3.	Basin is adjudicated. Pub Com, program of controlled overdraft of 400,000 AF from the Chino Basin though 2030 to control the outflow of poor-quality rising GW	
199	8-2.02	UPPER SANTA ANA VALLEY	CUCAMONGA	South Coast	SRO	9,574	15.0	51,001	4	1	5	0.75	1	5	2	3.5	3	0	18.3	Medium	High nitrates reported in 14 of 24 wells tested (B-118)		
200	8-2.03	UPPER SANTA ANA VALLEY	RIVERSIDE-ARLINGTON	South Coast	SRO	58,903	92.0	336,884	4	2	4	3	2	5	4	4.5	5	0	24.5	High	Water quality degradation issues known in several public supply wells.		
201	8-2.04	UPPER SANTA ANA VALLEY	RIALTO-COLTON	South Coast	SRO	30,224	47.2	145,832	4	1	4	2.25	1	3	3	3	3	0	18.3	Medium	Extensive perchlorate contamination in basin.		
202	8-2.05	UPPER SANTA ANA VALLEY	CAJON	South Coast	SRO	23,306	36.4	520	1	0	1	0.75	1	5	1	0.5	0	0	0.0	Very Low			
203	8-2.06	UPPER SANTA ANA VALLEY	BUNKER HILL	South Coast	SRO	80,972	126.5	363,394	4	1	5	2.25	2	3	3	3	3	1	21.3	High	The Bunker Hill sub-basin is impacted with PCE and TCE from the Newmark Superfund site and with perchlorate from the Crafton-Redlands plume.	Adjudication (Western San Bernardino)	
204	8-2.07	UPPER SANTA ANA VALLEY	YUCAIPA	South Coast	SRO	25,410	39.7	65,180	3	1	4	2.25	2	3	4	3.5	5	0	20.8	Medium	Overdraft. Documented impacts of nitrates and sulfates. (B-118)		
205	8-2.08	UPPER SANTA ANA VALLEY	SAN TIMOTEO	South Coast	SRO	73,541	114.9	54,169	2	5	3	1.5	1	1	4	2.5	3	1	19.0	Medium	Locally high nitrates and salinity (B-118). GAMA reported upper basin water quality issues.	Parts of the subbasin are adjudicated.	
206	8-2.09	UPPER SANTA ANA VALLEY	TEMESCAL	South Coast	SRO	23,654	37.0	141,436	4	2	3	3	1	5	4	4.5	2	0	19.5	Medium	Groundwater quality impaired by nitrates and inorganics in some wells (B-118).		
207	8-4	ELSINORE		South Coast	SRO	25,873	40.4	60,946	3	4	4	2.25	1	2	4	3	3	1	21.3	High	High TDS due to Nitrate and Sulfate in some portions of the basin (Elsinore Gw AdvisoryComm). Some fluoride impacts to groundwater (B-118).	Study done for Elsinore Basin GW Advisory Committee (Nov. 2012) indicates an average annual gw budget deficit of 1,800 af/yr for the last 11 years. Between 1990 and 2000 cumulative deficit was 19,000 af.	
208	8-5	SAN JACINTO		South Coast	SRO	188,623	294.7	474,317	3	4	2	2.25	3	3	5	4	5	1	24.3	High	Basin is in overdraft (MWD). Groundwater quality issues documented in DWR B-118. Pumping has increased some contaminant distribution in the basin.	Adjudicated Basin	
209	8-6	HEMET LAKE VALLEY		South Coast	SRO	16,811	26.3	464	1	0	3	0.75	1	0	1	0	2	0	0.0	Very Low	Locally high nitrates and TDS.(B-118)		
210	8-7	BIG MEADOWS VALLEY		South Coast	SRO	14,263	22.3	51	0	0	4	0.75	0	5	3	0	0	0	0.0	Very Low			
211	8-8	SEVEN OAKS VALLEY		South Coast	SRO	4,103	6.4	7	0	0	2	0	0	0	0	0	0	0	0.0	Very Low			
212	8-9	BEAR VALLEY		South Coast	SRO	19,667	30.7	16,866	2	1	5	3	0	2	3	2.5	1	0	14.5	Medium	Fluoride problems in some wells (B-118).		
213	9-1	SAN JUAN VALLEY		South Coast	SRO	16,797	26.2	61,131	3	1	3	2.25	0	3	1	2	2	0	13.3	Low	TDS is generally high, springs with high fluorine, local pesticide contamination, and secondary inorganic contamination (B-118). Desalters used to treat water.		
214	9-10	SAN PASQUAL VALLEY		South Coast	SRO	4,563	7.1	968	1	0	2	3	4	5	5	5	3	1	19.0	Medium	Nitrate problems are widespread (B-118). TDS is also known to be high in places. During dry years, the basin has experienced water level declines up to 20 feet in one year per GWMP.	LWU data based on DAU does not accurately depict Irrigated Acreage. 2006 Farmland Mapping Data indicate irrigated acreage is 2,691 and quick GIS estimate by SRO indicates irrigated acreage is at least 2,100 acres.	
215	9-11	SANTA MARIA VALLEY		South Coast	SRO	12,379	19.3	16,695	2	2	0	3.75	2	0	1	0	0	0	0.0	Very Low			
216	9-12	SAN DIEGUITO CREEK		South Coast	SRO	3,578	5.6	3,135	2	2	0	3	3	2	1	0	0	0	0.0	Very Low			
217	9-13	POWAY VALLEY		South Coast	SRO	2,485	3.9	16,450	5	2	0	3.75	1	2	1	0	0	0	0.0	Very Low			
218	9-14	MISSION VALLEY		South Coast	SRO	7,387	11.5	37,066	4	3	0	3.75	0	2	1	0	0	0	0.0	Very Low			
219	9-15	SAN DIEGO RIVER VALLEY		South Coast	SRO	9,944	15.5	45,800	4	1	3	3.75	1	3	1	2	1	0	15.8	Medium	High Nitrates, Iron and Manganese treatment is required, high TDS (>3,000 mg/l) in western portion of basin		
220	9-16	EL CAJON VALLEY		South Coast	SRO	7,203	11.3	92,314	5	1	0	3.75	1	2	1	0	5	0	0.0	Very Low	High nitrates and TDS have impaired the basin for domestic use and high chlorides make the water marginal to inferior for irrigation uses (B-118).		
221	9-17	SWEETWATER VALLEY		South Coast	SRO	5,949	9.3	35,277	4	1	4	3.75	0	2	1	0	5	0	0.0	Very Low	TDS, chloride and sodium content of the groundwater generally exceed the recommended limits for drinking (B-118, & DWR 1986).		

CASGEM Groundwater Basin Prioritization Results Sorted by Basin Number									Data Component Ranking Value								Overall Ranking		Impact Comments	Other Information Comments		
Basin count	Basin Number	Basin Name	Sub-Basin Name	Hydrologic Region	DWR Region Office	Basin Area		2010 Population	Population	Population Growth	Public Supply Wells	Total Wells *	Irrigated Acreage	Groundwater Reliance			Impacts	Other Information			Overall Basin Ranking Score ***	Overall Basin Priority
						Acres	Sq. Mile							GW Use **	Percent of Total Supply **	GW Reliance Total						
222	9-18	OTAY VALLEY		South Coast	SRO	6,869	10.7	39,191	4	1	0	3	1	2	1	0	5	0	0.0	Very Low	Groundwater is marginal to inferior for domestic use in the coastal plain due to high TDS content and suitable in the eastern part of the basin and is marginal to inferior for irrigation due to high chloride concentrations (B-118 & DWR 1967).	
223	9-19	TIA JUANA		South Coast	SRO	7,448	11.6	50,694	5	1	0	2.25	2	0	1	0	5	0	0.0	Very Low	Chloride and sulfate exceed MCL in some wells(Izbicki 1985). MCL for aluminum, barium, lead, selenium, and silver concentrations are exceeded individually in some wells (Dudek 1994).	
224	9-2	SAN MATEO VALLEY		South Coast	SRO	3,009	4.7	554	1	0	4	1.5	3	0	0	0	3	0	0.0	Very Low	Locally high TDS and some elevated nitrates in wells (B-118)	
225	9-22	BATIQUITOS LAGOON VALLEY		South Coast	SRO	745	1.2	2,109	3	5	0	1.5	1	0	0	0	4	0	0.0	Very Low	The groundwater in this basin was rated inferior for irrigation because of high chloride content and marginal for domestic use because of high sulfate and TDS concentrations (DWR 1967).	
226	9-23	SAN ELIJO VALLEY		South Coast	SRO	888	1.4	1,125	2	4	0	3	1	0	0	0	5		0.0	Very Low	High TDS limits beneficial uses (B-118)	
227	9-24	PAMO VALLEY		South Coast	SRO	1,514	2.4	0	0	0	0	0	0	0	0	0	0	0	0.0	Very Low		
228	9-25	RANCHITA TOWN AREA		South Coast	SRO	3,146	4.9	168	1	0	0	3	1	0	0	0	0	0	0.0	Very Low		
229	9-27	COTTONWOOD VALLEY		South Coast	SRO	3,871	6.0	44	1	0	4	1.5	1	0	0	0	0	1	0.0	Very Low		Basin area is listed by EPA as a "Sole Source Aquifer" in EPA Region 9.
230	9-28	CAMPO VALLEY		South Coast	SRO	3,569	5.6	985	1	0	4	2.25	2	0	0	0	0	1	0.0	Very Low		Basin area is listed by EPA as a "Sole Source Aquifer" in EPA Region 9.
231	9-29	POTRERO VALLEY		South Coast	SRO	2,035	3.2	475	1	0	4	3	2	0	0	0	0	0	0.0	Very Low		
232	9-3	SAN ONOFRE VALLEY		South Coast	SRO	1,261	2.0	3,133	3	5	5	0.75	0	2	1	0	0	0	0.0	Very Low		
233	9-32	SAN MARCOS AREA		South Coast	SRO	2,144	3.3	15,096	5	3	0	3	0	2	1	0	0	0	0.0	Very Low		
234	9-4	SANTA MARGARITA VALLEY		South Coast	SRO	7,998	12.5	4,121	2	1	4	2.25	1	4	5	4.5	2	1	17.8	Medium	Groundwater in SW part of basin is marginal to inferior for domestic and agricultural uses (DWR 1967). Mg, SO4, Cl, NO3, and TDS concentrations are locally high for domestic. Use; Cl, B, and TDS are locally high for ag use (DWR 1975)	Basin is federally adjudicated.
235	9-5	TEMECULA VALLEY		South Coast	SRO	88,338	138.0	219,431	3	5	3	3	2	1	1	1	5	1	23.0	High	Groundwater source is impaired in various parts of the basin due to elevated nitrates, fluoride, sulfates, TDS, and VOCs (B-118).	Basin is under Federal adjudication.
236	9-6	CAHUILLA VALLEY		South Coast	SRO	18,342	28.7	1,993	1	3	3	3	2	2	5	3.5	1	1	17.5	Medium	Locally, sulfates and nitrates are high for domestic use (DWR 1975). Nitrate concentrations reach as much as 128 mg/L (Moyle 1976).	Basin is federally adjudicated.
237	9-7	SAN LUIS REY VALLEY		South Coast	SRO	29,865	46.7	43,942	2	1	5	3	3	3	1	2	3	0	19.0	Medium	TDS is a concern according to MWD. B-118 indicates problems with nitrates, inorganics, radiologicals, and VOCs. Desalination generally required in all areas of the basin.	
238	9-8	WARNER VALLEY		South Coast	SRO	24,150	37.7	185	0	0	4	0.75	0	0	0	0	1	0	0.0	Very Low	Groundwater generally suitable except for elevated fluoride contents near hot springs	
239	9-9	ESCONDIDO VALLEY		South Coast	SRO	2,906	4.5	38,593	5	1	0	3.75	1	0	1	0	2	0	0.0	Very Low	Local sources of groundwater in this basin are categorized as suitable to inferior for domestic use. The water categorized as inferior typically contains high nitrate, TDS, or sulfate content (DWR 1967)	

NOTE: \* Data component values were reduced by 25% due to data confidence, prior to calculating total GW basin ranking value  
 \*\* Sub-fields that are used to determine the overall GW Reliance Total ((GW Use + GW %)/2)  
 \*\*\* Overall Basin Ranking Score = Population + Population Growth + PSW + (Total Wells x .75) + Irr Acreage + (GW Use + GW %)/2 + Impacts + Other