

DWR E	Basin	Salt and Nutrient Concentration Trends	Contribution of Imported / Recycled Water	Reliance on Groundwater	Population 2010	Area mi <sup>2</sup>	Persons per mi <sup>2</sup>	Persons per acre	Number / Density OWTS	Other Salt and Nutrient Sources	Hydrologic Factors	Factor Total	GAMA Ranking	CASGEM Ranking	-	ldentif Risks Wate Quali
7-01	Lanfair Valley	Slight Increase	0%	100%	19	245	0.08	0.0001	Based on Population	None Noted	DTW = 300 - 500		low	very low		Low t
		negative factor -1	I positive factor 1	negative factor	-1 positive facto	r		1 positive fa	ctor	1 positive factor 1	positive factor	1 3	0	0		
7-02	Fenner Valley	Slight Increase	0%	100%	31	709	0.04	0.0001	Based on Population	None Noted	Unknown DTW		low	very low		Low t
		negative factor -1	I positive factor 1	negative factor	-1 positive facto	r		1 positive fa	ctor	1 positive factor 1	neutral factor	0 2	0	0		
7-03	Ward Valley	Stable	0%	100%	22	1,500	0.01	0.0000	Based on Population	None Noted	DTW = 0 - 700		low	very low		Low t None
		neutral factor 0	positive factor 1	negative factor	· ·			1 positive fa		1 positive factor 1	neutral factor	0 3	0	0		
7-04	Rice Valley	Unknown	0%	100%	23	295	0.08	0.0001	Based on Population	None Noted	DTW = 150 - 285		low	very low		Low t None
		neutral factor 0	positive factor 1	negative factor				1 positive fa		1 positive factor 1	negative factor	-1 <b>2</b>	0	0		
7-05	Chuckwalla Valley	TDS: Primarily >SMCL. Max 4,000 mg/L. Decreasing and Stable N: Primarily <1/2 MCL, Stable	20% Import Colorado River at Eagle Mtn. Ripley & Lake Tamarisk WTPs	80%	7,853	940	8.35	0.0131	Desert Center Pop. 6.7/acre Lake Tamarisk WTP [Golf]	Race Track. Hydro-Electric. Solar. Mining. Landfill. Correctional Facilities. Minor Ag.	Natural Springs. Dry Lakes		low	very low		Moder
		positive factor 1	negative factor -1	1 negative factor	-1 positive facto	r		1 neutral fac	ctor	0 neutral factor 0	negative factor	-1 <b>-1</b>	0	0	-1	
7-06	Pinto Valley	Good Quality Unknown	0%	0%	7	286	0.02	0.0000	Based on Population	Cottonwood Campground	Unknown DTW		low	very low		Low t
		neutral factor 0	positive factor 1	positive factor	1 positive facto	r		1 positive fa	ctor	1 positive factor 1	neutral factor	0 5	0	0		
7-07	Cadiz Valley	Unknown	0%	100%	10	423	0.02	0.0000	Based on Population	Limited Ag. Recreation	Dry Lake [shallow]		low	very low		Low t None
		neutral factor 0	positive factor 1	negative factor	· · ·			1 positive fa		1 positive factor 1	negative factor	-1 <b>2</b>	0	0		
7-08	Bristol Valley	TDS: Good-Fair Quality. Poor Quality at Dry Lakes.	0%	100%	27 1 positivo footo	778	0.03	0.0001	Based on Population	Evaporate Mining	Dry Lake [shallow] DTW = 0 to 200'	1 2	low	very low		Low t None
7 12 0	1 Deadman Valley	neutral factor 0 TDS:Fair Quality	positive factor 1     Recycled Water	negative factor	-1 positive facto	139	0.16	1 positive fa 0.0002	Based on	1 positive factor 1 Small Airport	negative factor DTW >200'	-1 2	0	0		
7-13.0	Deadman Lake	Stable	Recycled Water	100%		139	0.16	0.0002	Population	Smail Airport	DTW >200		low	very low		Low 1 None
		neutral factor 0	negative factor -1	1 negative factor	-1 positive facto	r		1 positive fa	ctor	1 positive factor 1	positive factor	1 2	0	0		
7-13.0	2 Deadman Valley Surprise Spring	Good Quality Stable	0%	100%	179	46	3.89	0.0061	Based on Population	None Noted	DTW ~160. spring					Low
													low	very low		Non
7.14		neutral factor 0 1917 Data Point	positive factor 1	negative factor		or 159	0.00	1 positive fa		1 positive factor 1	negative factor	-1 2	0	0		
7-14	Lavic Valley	Unknown	0%	0%			0.00	0.0000	0	None Noted	DTW ~400'		low	very low		Low Non
7-20	Morongo Valley	neutral factor 0 Good Quality	positive factor 1	100%	1 positive facto 2,983	or 11	263.98	1 positive fa 0.4125	Based on	1 positive factor 1 Septic use	DTW 200-300'	1 6	0	0		
1-20	worongo valicy	Stable	070	100 /0	2,303		200.00	0.4120	Population	WDRs and Landfill	DTW 200-300		medium	very low		Moder
		neutral factor 0	positive factor 1	negative factor	-1 negative fact	or		-1 negative f	actor	-1 neutral factor 0	neutral factor	0 <b>-2</b>	-1	0	-3	
7-21.0	4 Coachella Valley San Gorgonio Pass	Good Quality Stable	700 afy [10%] Import SWP for Recharge. Recycled Water	~ 90% GW	29,540	60	492.33	0.7693	Cities Sewered, but not all areas connected	Airport Septic Morongo Reservation Correctional Facility	Hydrologic Vulnerable Area		h:			
		neutral factor 0	neutral factor 0	) negative factor	-1 negative fact	or		-1 neutral fac	ctor	0 neutral factor 0	negative factor	-1 -3	high -2	medium -1	-6	High
				•	0						<b>J</b>	-	1		<b>–</b>	

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7-22	West Salton Sea	Poor Quality TDS Good Quality Nitrate Stable	Recycled Water WWTP	100%	5,352	166	32.24	0.0504	Sewer System	WDRs Landfill Geothermal	DTW = 10 - 50 Adjacent to Salton Sea. Hydrologic Vulnerable Area		low	very low		Modera
		neutral factor	0 negative factor -1	I negative factor -1	neutral factor			D positive fa	ctor 1	positive factor 1	negative factor	-1 <b>-1</b>	0	0	-1	
7-24.01 Borrego V Borrego S	1 Borrego Valley Borrego Springs	TDS: Good to Poor Quality Primarily Stable Slight Increases N: Good Quality Stable	0%	100%	3,853	120	32.11	0.0502	Urban Centers No Sewer Systems	~20% Land Use: Ag. Golf. Recreation. Trailer Parks WDRs Landfill	DTW = 18 - 305 Multiple Aquifers. Hydrologic Vulnerable Area		medium	high		High
		neutral factor	0 positive factor 1	negative factor -1	neutral factor			D negative fa	actor -1	negative factor -1	negative factor	-1 -3	-1	-2	-6	i ngi
7-24.02	2 Borrego Valley Ocotillo Wells	Good Quality. TDS: Increasing N: Stable	0%	100%	500	120	4.17	0.0065	Based on Population	Recreation. Trailer Parks	DTW = 100 130 Hydrologic Vulnerable Area		medium	very low		Low t
		negative factor -	1 positive factor 1	negative factor -1	positive facto	r		1 positive fa	ctor 1	positive factor 1	negative factor	-1 1	-1	0	0	
7-25	Ocotillo-Clark Valley	TDS: Poor Quality. Stable	0 Unknown 0	20% 1	27	348	0.08	1 0.0001	Based on 1 Population	Border Patrol. 0 Vehicle Recreation Solar Farm. Ag	DTW <200'. Hydrologic Vulnerable Area	-1 <b>2</b>	low	very low		Low t
		neutral factor	0 neutral factor 0	positive factor 1	positive facto	r		1 positive fa	ctor 1	neutral factor 0	negative factor	-1 2	0	0		
7-26	Terwilliger Valley	TDS: Good Quality. Slight Increase.	Unknown	20%	1,085	13	83.46	0.1304	Based on Population	Septic	DTW = 300		very low	very low		Low t
		negative factor -	1 neutral factor 0	positive factor 1	neutral factor			0 negative fa	actor -1	positive factor 1	positive factor	1 <b>1</b>	0	0		
7-27	San Felipe Valley	Increasing Concentrations	0%	20%	188	4	47.00	0.0734	Based on Population	Campground. Wilderness Area	DTW = 22 - 88		very low	very low		Low t None
		negative factor -	1 positive factor 1	positive factor 1	neutral factor			0 neutral fac	tor 0	positive factor 1	negative factor	-1 <b>1</b>	0	0		
7-28	Vallecito-Carrizo Valley	Increasing Concentrations	0%	100%	77	191	0.40	0.0006	Based on Population	None Noted	DTW = 40 - 78 Springs		low	very low		Low t None
		negative factor -	1 positive factor 1	negative factor -1	positive facto	r		1 positive fa	ctor 1	positive factor 1	negative factor	-1 1	0	0		
7-29	Coyote Wells Valley	Good Quality Stable	0%	100%	374	100	3.74	0.0058	Based on Population	Recreation Vehicle Park. Mining.	DTW: 100-300'. Hydrologic Vulnerable 1/4 Area		low	very low		Low t None
		neutral factor	0 positive factor 1	negative factor -1	positive facto	r		1 positive fa	ctor 1	positive factor 1	negative factor	-1 <b>2</b>	0	0		
7-30	Imperial Valley	Variable Localized Concentrations [increasing, decreasing and stable]	Use 100% Imported Colorado River. Recycled Water	0%	164,037	1,870	87.72	0.1371	Cities Sewered.	~40% Ag. Naval Air Facility El Centro.	Adjacent to SaltonSea. Colorado/ New/Alamo Rivers, Canals. Aquitard. Hydrologic Vulnerable E/W Sides			·		Low t
		neutral factor	0 negative factor -1	l positive factor 1	neutral factor			) positive fa	ctor 1	negative factor -1	neutral factor	0 0	low 0	very low 0		None
7-31	Orocopia Valley	TDS: Good to Fair Quality Unknown Trend	0%	100%	2,243	150	14.95	0.0234	0	None Noted	DTW = 480 - 800			0		Low t
			0 positivo factor 1	negativo factor 1	positive facto	r		1 positive fa	ctor 4	positive factor 1	nositivo footor	1 4	very low	very low		None
7-32	Chocolate Valley	neutral factor ( TDS: Poor Quality	0 positive factor 1 0%	negative factor -1	658	r 203	3.24	0.0051	0	Nature	DTW = 10 - 99	· 4		U		
		Increasing				_00			~	Preserve Recreation. Hiking			very low	very low		Low t None
I		negative factor -	1 positive factor 1	positive factor 1	positive facto	r		1 positive fa	ctor 1	positive factor 1	negative factor	-1 <b>3</b>	0	0		

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7-33	East Salton Sea	TDS: Good to Poor Quality Unknown Trend	0%	0%	1,083	306	3.54	0.0055	Based on Population	~15% Ag.	DTW = 20-48. Adjacent to Salton Sea. Hydrologic Vulnerable Area		low	very low		Low
		neutral factor 0	positive factor	1 positive factor	1 positive facto	٢		1 positive fa	ctor 1	neutral factor	0 negative factor	-1 3	0	0		
7-34	Amos Valley	Stable	0%	0%	9	203	0.04	0.0001	Based on Population	Mine. Landfill	DTW = NW 126-228 SE 465-480. Hydrologic Vulnerable Area		low	very low		Low
		neutral factor 0	positive factor	1 positive factor	1 positive facto	r		1 positive fa	ctor 1	positive factor	1 negative factor	-1 4	0	0		
7-35	Ogilby Valley	Slight Increases	0%	20%	36	209	0.17	0.0003	Based on Population	Ag. Recreational Vehicle Park. Mining.	DTW = 150'. Hydrologic Vulnerable Area		low	very low		Low t None
		negative factor -1	positive factor	1 positive factor	1 positive facto			1 positive fa		positive factor	1 negative factor	-1 3	0	0		_
7-36	Yuma Valley	TDS: Fair to Poor Quality Increasing to Stable N: Good Quality Stable	Use 100% Imported Colorado River	0%	3,146	6	524.33	0.8193	Sparse spaced Population	Ag ~30%. Tribal Land. Military. Camping. Trailer Parks. 2-Landfills	DTW = 5-240 Adjacent to Colorado River. Hydrologic Vulnerable 1/3 Area		medium	very low		Moder
		positive factor 1	negative factor	-1 positive factor	1 negative facto	or		-1 neutral fac	ctor 0	negative factor	-1 negative factor	-1 <b>-2</b>	-1	0	-3	meder
7-37	Arroyo Seco Valley	Good Quality Stable to Decreasing	0%	100%	6	403	0.01	0.0000	Based on Population	None Noted	DTW = 30-98		low	very low		Low 1 None
		positive factor 1	positive factor	1 negative factor	-1 positive facto	٢		1 positive fa	ctor 1	positive factor	1 negative factor	-1 3	0	0		
7-38	Palo Verde Valley	TDS: Poor Quality N: Good Quality Stable	Recycled Water Blythe WWTP	20%	7,459	200	37.30	0.0583	Blythe, Palo Verde have Sewer Systems	Ag ~100% Solar Plants Landfills Recreation Septic	DTW = 100 and 200- 400. adjacent to Colorado River. Hydrologic Vulnerable Area					
		neutral factor 0	negative factor	-1 positive factor	1 neutral factor			0 positive fa	ctor 1	negative factor	-1 negative factor	-1 <b>-1</b>	medium -1	very low 0	-2	Moder
7-39	Palo Verde Mesa	TDS: Fair Quality Fluctuating N: Good Quality Stable	Imported Colorado River. Recycled Water Blythe WWTP	· ·	9,231	353	26.15	0.0409	Blythe, Palo Verde have sewer	Ag ~30%. Golf. Solar	DTW = 135 -230 Adjacent to River. 1/3 Hydrologic Vulnerable Area			very low		Modera
		neutral factor 0	negative factor	-1 positive factor	1 neutral factor			0 positive fa	ctor 1	negative factor	-1 negative factor	-1 <b>-1</b>	-1	0	-2	
7-40	Quien Sabe Point Valley	TDS: Poor Quality N: Good Quality 1970 Data Point	Unknown Source	20%	112	40	2.80	0.0044	Based on Population	Ag small %. Resorts.	Adjacent to Colorado River		very low	very low		Low
		neutral factor 0	neutral factor	0 positive factor	1 positive facto	r		1 positive fa	ctor 1	positive factor	1 neutral factor	0 4		0		
7-41	Calzona Valley	TDS: Fair Quality Unknown	0%	100%	1,608	127	12.66	0.0198	Big River Not Sewered	Ag small %	DTW = ~200' Adjacent to Colorado River		very low	very low		Low 1
		neutral factor 0	positive factor	1 negative factor	-1 positive facto	r		1 neutral fac	otor 0	positive factor	1 positive factor	1 3	0	0		
7-42	Vidal Valley	Unknown neutral factor 0	0% positive factor	100%	10 -1 positive facto	216	0.05	0.0001	Based on Population	None Noted	Unknown DTW	0 3	very low			Low t None
7-43	Chemehuevi Valley	Good Quality Stable	0%	1 negative factor 100%	-1 positive facto 395	427	0.93	0.0014	Based on Population	None Noted	DTW = Shallow	U 3	very low	0 very low		Low
		neutral factor 0	positive factor	1 negative factor	-1 positive facto	r		1 positive fa	otor 1	positive factor	1 negative factor	-1 2	0			

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7-44	Needles Valley	TDS: Good Quality N: Good Quality Stable	Recycled Water	20%	4,902	138	35.52	0.0555	City of Needles has Sewer and LAMP	River Recreation Recreational Vehicle Parks. Wildlife Refuge. Tribal Land. Airport. Ag.	DTW: 9 - 12 Adjacent to Colorado River. Hydrologic Vulnerable Area Along River		medium	very low		Modera
		neutral factor 0	negative factor -	1 positive factor	1 neutral factor			0 positive fac	ctor	1 neutral factor 0	negative factor	-1 <b>0</b>	-1	0	-1	
7-45	Piute Valley	Good Quality Stable	0%	100%	2	275	0.01	0.0000	Based on Population	None Noted	Spring		very low	very low		Low Non
		neutral factor 0	positive factor 1	I negative factor	•			1 positive fac		1 positive factor 1	- 0	-1 2	0	0		
7-46	Canebrake Valley	Unknown	0%	100%	2	9	0.22	0.0003	Based on Population	None Noted	Unknown DTW		very low	very low		Low Non
		neutral factor 0	positive factor 1	I negative factor	· · ·			1 positive fac		1 positive factor 1	neutral factor	0 <b>3</b>	0	0		
7-47	Jacumba Valley	N: Poor Quality Increasing	0%	100%	517	10	51.70	0.0808	Based on Population	None Noted	Unknown DTW		very low	very low		Low Non
7 40	Lalandala Fault	negative factor -1	positive factor 1	-	-1 neutral factor	4	2.05	0 neutral fac		0 positive factor 1		0 0	0	0		
7-48	Helendale Fault Valley	Good Quality Slight Increase	0%	100%	9	4	2.25	0.0035	Based on Population	Vehicle Recreation	Streams	_	very low	very low		Low Non
7.40		negative factor -1	positive factor 1	I negative factor	•		1.00	1 positive fac		1 positive factor 1	neutral factor	0 2	0	0		
7-49	Pipes Canyon Fault Valley	Unknown	0%	100%	5	5	1.00	0.0016	Based on Population	Wilderness Area	Unknown DTW		very low	very low		Low Non
7.50	Inco Didao Arec	neutral factor 0	positive factor 1	I negative factor			0.00	1 positive fac		1 positive factor 1	neutral factor	0 3	0	0		
7-50	Iron Ridge Area	Unknown	0%	0%	0	8	0.00	0.0000	Based on Population	Wilderness Area	Unknown DTW	_	very low	-		Low Non
7 54		neutral factor 0	positive factor 1	l positive factor	1 positive factor		0.00	1 positive fac		1 positive factor 1	neutral factor	0 5	0	0		
7-51	Lost Horse Valley	Good Quality Unknown	0%	0%	0	27	0.00	0.0000	Based on Population	Wilderness Area Trails. Camping	Unknown DTW		very low	very low		Low Non
		neutral factor 0	positive factor 1	l positive factor	1 positive factor			1 positive fac		1 positive factor 1	neutral factor	0 5	0	0		
7-52	Pleasant Valley	N: Poor Quality Stable	0%	0%	0	15	0.00	0.0000	Based on Population	None Noted	Unknown DTW		very low	very low		Low Non
7.50		neutral factor 0	positive factor 1	l positive factor	1 positive factor		0.00	1 positive fac		1 positive factor 1	neutral factor	0 5	0	0		
7-53	Hexie Mountain	Unknown	0%	0%	0	18	0.00	0.0000	Based on Population	None Noted	Unknown DTW		very low	very low		Low Non
7 5 4	Duck Didge	neutral factor 0	positive factor 1	l positive factor	1 positive factor		0.00	1 positive fac		1 positive factor 1	neutral factor	0 5	0	0		
7-54	Buck Ridge Fault Valley	Unknown	0%	0%	0	11	0.00	0.0000	Based on Population	Campground. Wilderness Area	Springs		very low	very low		Low Non
		neutral factor 0	positive factor 1	l positive factor	1 positive factor		4.00	1 positive fac		1 positive factor 1	- 3	-1 4	0	0		
7-55	Collins Valley	Unknown	0%	100%	11	11	1.00	0.0016	Based on Population	Campground. Hiking	Unknown DTW		very low	very low		Low Non
7-56	Yaqui Well Area	neutral factor 0	positive factor 1	I negative factor 100%	-1 positive factor	23	0.17	1 positive fac 0.0003	ctor Based on	1 positive factor 1	neutral factor DTW = 50'	0 3	0	0		
7-00	raqui vveli Area	Slight Increases			4		0.17		Population	Campground			very low	very low		Low Non
7-59	Mason Valley	negative factor -1 Stable	positive factor 1	I negative factor 100%	-1 positive factor 23	9	2.56	1 positive fac 0.0040	Based on	1 positive factor 1 Trailer Park	negative factor DTW = 40 - 75	-1 1	0	U		<u> </u>
1-00							2.00	1 positive fac	Population	small %		-1 2	very low	very low		Low Non
7-61	Davies Valley	neutral factor 0 Unknown	positive factor 1	I negative factor 0%	-1 positive factor	6	0.00	0.0000	Based on	1 positive factor 1 None Noted	negative factor Unknown DTW	-1 2	0	U		+
	_ 2 Y anoy								Population				very low	very low		Low Non
7-63	Vandovontor	neutral factor 0	positive factor 1	l positive factor	1 positive factor	11	4.55	1 positive fac		1 positive factor 1		0 5	0	0		
1-03	Vandeventer Flat	Good Quality Stable	0%	100%	50		4.00	0.0071	Based on Population	None Noted	DTW = 75-125	_1 0	very low	-		Low Non
		neutral factor 0	positive factor 1	i regative factor	-1 positive factor			1 positive fac	าเป	1 positive factor 1	negative factor	-1 <b>2</b>	0	0		

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DWR = Department of Wa	ter Resources			DTW = Depth to Water Measured in Feet Below Ground													
S = Salt measured as Tota		S)				WTP / WWTP = Water Treatment Plant / Waste Water Treatment Plant											
N = Nutrients measured as	s Nitrates	,				Ag = Agriculture											
mi <sup>2</sup> = square miles						WDR = Waste Discharge Requirement [Permit]											
•								afy = acre feet per year									
GAMA = Groundwater Ambient Monitoring Assessment						SWP = State Water Project											
CASGEM = California State Groundwater Elevation Monitoring							LAMP = Local Area Management Plan										

