Total Dissolved Solids Water Quality Objectives, Ambient Water Quality, and Assimilative Capacity

Management Zone	Total Dissolved Solids (mg/L)									
	Water Quality Objective	Historical Ambient	2003 Ambient	2006 Ambient	2009 Ambient	2012 Ambient	2015 Ambient	2018 Ambient	Difference from 2015 to 2018	Assimilative Capacity
San Bernardino Valley & Yucaipa/Beaumont Plains										
Beaumont -- "max benefit"	330	233	260	260	280	290	290	280	-10	50
Beaumont -- "antideg"	230	233	260	260	280	290	290	280	-10	-50
Bunker Hill-A	310	313	320	330	340	340	330	330	0	-20
Bunker Hill-B	330	332	280	280	270	280	290	280	-10	50
Lytle	260	264	230	230	240	240	240	240	0	20
San Timoteo -- "max benefit"	400	303	?	?	420	410	420	420	0	-20
San Timoteo -- "antideg"	300	303	?	?	420	410	420	420	0	-120
Yucaipa -- "max benefit"	370	319	310	310	320	320	320	320	0	50
Yucaipa -- "antideg"	320	319	310	310	320	320	320	320	0	0
San Jacinto Basins										
Canyon	230	234	420	370	420	340	380	370	-10	-140
Hemet-South	730	732	850	920	910	940	920	940	20	-210
Lakeview/Hemet-North	520	519	840	880	890	860	850	850	0	-330
Menifee	1020	1021	2220	2140	2050	2030	1970	1960	-10	-940
Perris-North	570	568	780	730	770	760	720	730	10	-160
Perris-South	1260	1258	2200	2600	2470	2400	2340	2300	-40	-1040
San Jacinto-Lower	520	520	950	810	800	800	780	760	-20	-240
San Jacinto-Upper -- "max benefit"	500	321	370	350	350	350	370	350	-20	150
San Jacinto-Upper-- "antideg"	320	321	370	350	350	350	370	350	-20	-30
Chino, Rialto/Colton, & Riverside Basins										
Chino-North -- "max benefit"	420	260	320	340	340	350	360	350	-10	70
Chino 1 -- "antideg"	280	280	330	340	340	350	350	340	-10	-60
Chino 2 -- "antideg"	250	250	340	360	360	380	380	380	0	-130
Chino 3 -- "antideg"	260	260	280	310	320	320	320	320	0	-60
Chino-East	730	733	620	650	770	770	840	840	0	-110
Chino-South	680	676	790	940	980	990	940	920	-20	-240
Colton	410	407	430	450	430	440	480	490	10	-80
Cucamonga -- "max benefit"	380	212	250	250	250	260	260	260	0	120
Cucamonga -- "antideg"	210	212	250	250	250	260	260	260	0	-50
Rialto	230	230	220	230	230	230	240	240	0	-10
Riverside-A	560	560	440	440	430	420	440	430	-10	130
Riverside-B	290	289	310	340	340	340	360	340	-20	-50
Riverside-C	680	684	750	740	740	730	?	?	?	?
Riverside-D	810	812	?	?	?	?	?	?	?	?
Riverside-E	720	721	700	710	700	740	730	740	10	-20
Riverside-F	660	665	570	570	570	560	560	550	-10	110
Prado Basin	ace water objective ap	618	--	--	--	--	--		--	--
Elsinore/Temescal Valleys										
Arlington	980	983	1020	960	1020	1030	1020	1020	0	-40
Bedford	?	?	740	?	?	?	?	?	?	?
Coldwater	380	381	400	420	440	440	460	450	-10	-70
Elsinore	480	476	460	470	470	490	490	490	0	-10
Lee Lake	?	?	?	?	?	?	?	?	?	?
Temescal	770	771	700	780	790	790	810	810	0	-40
Warm Springs Valley	?	?	?	?	?	?	?	?	?	?
Orange County Basins										
Irvine	910	908	880	920	910	940	920	880	-40	30
La Habra	?	?	?	?	?	?	?	?	?	?
Orange County	580	585	560	590	600	610	600	600	0	-20
Santiago	?	?	?	?	?	?	?	?	?	?

Notes:

? - Not enough data to estimate TDS concentrations

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Nitrate as Nitrogen Water Quality Objectives, Ambient Water Quality, and Assimilative Capacity

Management Zone	Nitrate as Nitrogen (mg/L)									
	Water Quality Objective	Historical Ambient	2003 Ambient	2006 Ambient	2009 Ambient	2012 Ambient	2015 Ambient	2018 Ambient	Difference from 2015 to 2018	Assimilative Capacity
San Bernardino Valley & Yucaipa/Beaumont Plains										
Beaumont -- "max benefit"	5.0	1.5	2.0	1.6	2.5	2.9	2.9	2.7	-0.2	2.3
Beaumont -- "antideg"	1.5	1.5	2.0	1.6	2.5	2.9	2.9	2.7	-0.2	-1.2
Bunker Hill-A	2.7	2.7	4.3	4.0	4.0	4.0	3.9	3.8	-0.1	-1.1
Bunker Hill-B	7.3	7.3	5.8	5.4	5.4	5.6	5.8	5.8	0.0	1.5
Lytle	1.5	1.5	2.7	2.7	2.6	2.5	2.4	2.4	0.0	-0.9
San Timoteo -- "max benefit"	5.0	2.7	?	?	0.8	2.3	2.0	1.5	-0.5	3.5
San Timoteo -- "antideg"	2.7	2.7	?	?	0.8	2.3	2.0	1.5	-0.5	1.2
Yucaipa -- "max benefit"	5.0	4.2	5.4	5.3	6.2	6.3	6.2	5.9	-0.3	-0.9
Yucaipa -- "antideg"	4.2	4.2	5.8	5.3	6.2	6.3	6.2	5.9	-0.3	-1.7
San Jacinto Basins										
Canyon	2.5	2.5	2.1	1.9	2.7	2.0	2.0	1.7	-0.3	0.8
Hemet-South	4.1	4.1	5.4	5.5	5.2	5.7	5.7	5.5	-0.2	-1.4
Lakeview/Hemet-North	1.8	1.8	3.4	2.7	2.6	2.5	2.6	2.9	0.3	-1.1
Menifee	2.8	2.8	6.0	4.7	4.4	4.6	4.5	4.8	0.3	-2.0
Perris-North	5.2	5.2	6.7	6.5	7.4	7.3	7.4	7.8	0.4	-2.6
Perris-South	2.5	2.5	5.9	5.5	5.8	5.8	6.0	6.0	0.0	-3.5
San Jacinto-Lower	1.0	1.0	1.8	1.2	1.1	1.1	1.5	1.7	0.2	-0.7
San Jacinto-Upper -- "max benefit"	7.0	1.4	1.7	1.6	1.5	1.4	1.6	1.1	-0.5	5.9
San Jacinto-Upper-- "antideg"	1.4	1.4	1.7	1.6	1.5	1.4	1.6	1.1	-0.5	0.3
Chino, Rialto/Colton, & Riverside Basins										
Chino-North -- "max benefit"	5.0	3.7	8.7	9.7	9.5	10.0	10.3	10.3	0	-5.3
Chino 1 -- "antideg"	5.0	5.0	8.9	9.3	9.1	10.0	10.5	10.4	-0.1	-5.4
Chino 2 -- "antideg"	2.9	2.9	9.5	10.7	10.3	10.7	10.9	10.9	0	-8
Chino 3 -- "antideg"	3.5	3.5	6.8	8.2	8.4	8.5	8.9	9.2	0.3	-5.7
Chino-East	10.0	13.3	9.6	12.7	15.7	21.0	22.0	22.0	0.0	-12.0
Chino-South	4.2	4.2	15.3	25.7	26.8	28.0	27.8	27.6	-0.2	-23.4
Colton	2.7	2.7	2.9	2.9	2.8	2.7	3.3	3.3	0.0	-0.6
Cucamonga -- "max benefit"	5.0	2.4	4.3	4.0	4.1	4.1	4.3	4.7	0.4	0.3
Cucamonga -- "antideg"	2.4	2.4	4.3	4.0	4.1	4.1	4.3	4.7	0.4	-2.3
Rialto	2.0	2.0	2.6	2.9	3.1	3.2	3.4	3.5	0.1	-1.5
Riverside-A	6.2	6.2	4.9	4.9	5.2	5.4	5.6	5.7	0.1	0.5
Riverside-B	7.6	7.6	7.8	8.3	8.4	6.7	6.6	6.5	-0.1	1.1
Riverside-C	8.3	8.3	15.3	15.3	14.8	14.5	?	?	?	?
Riverside-D	10.0	19.5	?	?	?	?	?	?	?	?
Riverside-E	10.0	13.3	15.4	15.3	15.2	10.2	10.4	10.2	-0.2	-0.2
Riverside-F	9.5	12.1	10.6	10.3	10.6	10.1	10.9	10.3	-0.6	-0.8
Prado Basin	ace water objective ap	4.3	--	--	--	--	--	--	--	--
Elsinore/Temescal Valleys										
Arlington	10.0	25.5	26.0	20.4	18.1	18.3	17.8	16.6	-1.2	-6.6
Bedford	?	?	2.8	?	?	?	?	?	?	?
Coldwater	1.5	1.5	2.4	2.6	2.8	2.8	2.2	2.3	0.1	-0.8
Elsinore	1.0	1.0	2.4	2.4	2.2	2.1	2.2	2.8	0.6	-1.8
Lee Lake	?	?	?	?	?	?	?	?	?	?
Temescal	10.0	11.8	12.8	12.6	12.0	10.9	10.9	10.2	-0.7	-0.2
Warm Springs Valley	?	?	?	?	?	?	?	?	?	?
Orange County Basins										
Irvine	5.9	5.9	6.5	6.5	6.7	6.7	6.4	6.4	0	-0.5
La Habra	?	?	?	?	?	?	?	?	?	?
Orange County	3.4	3.4	3.1	3.0	3.0	2.9	3.0	3.0	0	0.4
Santiago	?	?	?	?	?	?	?	?	?	?

Notes:

? - Not enough data to estimate NO3-N concentrations

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