

CHAPTER 3

WATER QUALITY OBJECTIVES

Table 3-3. Water Quality Objectives

Concentrations not to be exceeded more than 10% of the time during any one year period.

Ground Water	Hydrologic Basin Unit Number	Constituent (mg/L or as noted)														
		TDS	Cl	SO4	%Na	NO3	Fe	Mn	MBAS	B	ODOR	Turb NTU	Color Units	F		
SAN JUAN HYDROLOGIC UNIT		901.00														
Laguna	HA	1.10														
San Joaquin Hills	HSA	1.11	1,200	400	500	60	4510	0.3	0.05	0.5	0.75	none	5	15	1.0	
Laguna Beach	HSA	1.12	1,200	400	500	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0	
Aliso	HSA	1.13	1,200	400	500	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0	
Dana Point	HSA	1.14	1,200	400	500	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0	
Mission Viejo	HA	1.20														
Oso	HSA	1.21	1,200	400	500	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0	
Upper Trabuco	HSA	1.22	500	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0	
Middle Trabuco	HSA	1.23	750	375	375	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0	
Gobernadora	HSA	1.24	1,200	400	500	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0	
Upper San Juan	HSA	1.25	500	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0	
Middle San Juan	HSA	1.26	750	375	375	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0	
Lower San Juan	HSA	1.27	1,200	400	500	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0	
Ortega	HSA	1.28	1,100	375	450	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0	
San Clemente	HA	1.30														
Prima Deshecha	HSA	1.31	1,200	400	500	60	4510	0.3	0.05	0.5	0.75	none	5	15	1.0	
Segunda Deshecha	HSA	1.32	1,200	400	500	60	4510	0.3	0.05	0.5	0.75	none	5	15	1.0	
San Mateo Canyon	HA ^a	1.40	500 ^b	250	250 ^b	60	45 ^b	0.3 ^b	0.05 ^b	0.5	0.75 ^b	none	5	15	1.0	
San Onofre	HA ^a	1.50	500 ^b	250	250 ^b	60	45 ^b	0.3 ^b	0.05 ^b	0.5	0.75 ^b	none	5	15	1.0	

HA - Hydrologic Area

HSA - Hydrologic Sub Area (Lower case letters indicate endnotes following the table.)

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Ground Water		Hydrologic Basin Unit Number	Constituent (mg/L or as noted)												
			TDS	Cl	SO4	%Na	NO3	Fe	Mn	MBAS	B	ODOR	Turb NTU	Color Units	F
SANTA MARGARITA HYDROLOGIC UNIT		902.00													
Ysidora	HA ^a	2.10	750 ^c	300 ^c	300 ^c	60	4540 ^c	0.3 ^c	0.05 ^c	0.5	0.75 ^c	none	5	15	1.0
Deluz	HA	2.20	500	250	250	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0
Deluz Creek	HSA ^m	2.21	750	250	250	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0
Gavilan	HSA ^m	2.22	750	250	250	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0
Murrieta	HA	2.30	750 ^c	300 ^c	300 ^c	60	4540 ^c	0.3 ^c	0.05 ^c	0.5	0.75 ^c	none	5	15	1.0
Domenigoni	HSA	2.35	2,000	-	-	-	-	-	-	-	-	-	-	-	-
Auld	HA	2.40	500	250	250	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0
Pechanga	HA	2.50	500	250	250	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0
Pauba	HSA ^o	2.51	750	250	250	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0
Wolf	HSA ^p	2.52	750	250	250	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0
Wilson	HA	2.60	500	250	250	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0
Cave Rocks	HA	2.70	500	250	250	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0
Aguanga	HA	2.80	500	250	250	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0
Oakgrove	HA	2.90	500	250	250	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0

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Table 3-3. Water Quality Objectives (continued)

Concentrations not to be exceeded more than 10% of the time during any one year period.

Ground Water		Hydrologic Basin Unit Number	Constituent (mg/L or as noted)													
			TDS	Cl	SO4	%Na	NO3	Fe	Mn	MBAS	B	ODOR	Turb NTU	Color Units	F	
SAN LUIS REY HYDROLOGIC UNIT		903.00														
Lower San Luis	HA	3.10	800 ^r	300	400	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0	
Mission	HSA ^a	3.11	1,500 ^{cd}	500 ^{cd}	500 ^{cd}	60	45 ^{cd}	0.85 ^{cd}	0.15 ^{cd}	0.5 ^d	0.75 ^{cd}	none	5	15 ^d	1.0 ^d	
Bonsall	HSA	3.12	1,500 ^{cd}	500 ^{cd}	500 ^{cd}	60	45 ^{cd}	0.85 ^{cd}	0.15 ^{cd}	0.5 ^d	0.75 ^{cd}	none	5	15 ^d	1.0 ^d	
Moosa	HSA	3.13	1,200 ^r	300	400	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0	
Valley Center	HSA	3.14	1,100 ^r	300	400	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0	
Monserate	HA	3.20														
Pala	HSA	3.21	900 ^c	300 ^c	500 ^c	60	4545 ^c	0.3 ^c	0.05 ^c	0.5	0.75	none	5	15	1.0	
Pauma	HSA	3.22	800 ^c	300 ^c	400 ^c	60	4540 ^c	0.3 ^c	0.05 ^c	0.5	0.75	none	5	15	1.0	
La Jolla Amago	HSA	3.23	500	250	250	60	455	0.3	0.05	0.5	0.75	none	5	15	1.0	
Warner Valley	HA	3.30	500	250	250	60	5	0.3	0.05	0.5	0.75	none	5	15	1.0	
CARLSBAD HYDROLOGIC UNIT		904.00														
Loma Alta	HA	4.10	-	-	-	-	-	-	-	-	-	-	-	-	-	
Buena Vista Creek	HA	4.20														
El Salto	HSA ^a	4.21	3,500	800	500	60	45	0.3	0.05	0.5	2.0	none	5	15	1.0	
Vista	HSA ^a	4.22	1,000 ^b	400 ^b	500 ^b	60	4540 ^b	0.3 ^b	0.05 ^b	0.5	0.75 ^b	none	5	15	1.0	
Agua Hedionda	HA ^a	4.30	1,200	500	500	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0	
Los Monos	HSA ^{aj}	4.31	3,500	800	500	60	45	0.3	0.05	0.5	2.0	none	5	15	1.0	
Encinas	HA ^a	4.40	3,500 ^b	800 ^b	500 ^b	60	45 ^b	0.3 ^b	0.05 ^b	0.5	2.0 ^b	none	5	15	1.0	
San Marcos	HA ^{ae}	4.50	1,000	400	500	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0	
Batiquitos	HSA ^{ae k}	4.51	3,500	800	500	60	45	0.3	0.05	0.5	2.0	none	5	15	1.0	
Escondido Creek	HA ^a	4.60	750	300	300	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0	
San Elijo	HSA ^a	4.61	2,800	700	600	60	45	0.3	0.05	0.5	1.0	none	5	15	1.0	
Escondido	HSA	4.62	1,000	300	400	60	4540	0.3	0.05	0.5	0.75	none	5	15	1.0	

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Ground Water	Hydrologic Basin Unit Number	Constituent (mg/L or as noted)													
		TDS	Cl	SO4	%Na	NO3	Fe	Mn	MBAS	B	ODOR	Turb NTU	Color Units	F	
SAN DIEGUITO HYDROLOGIC UNIT		905.00													
Solana Beach	HA ^a	5.10	1,500 ^b	500 ^b	500 ^b	60	45 ^b	0.85 ^b	0.15 ^b	0.5	0.75 ^b	none	5	15	1.0
Hodges	HA	5.20	1,000 ^b	400 ^b	500 ^b	60	45 ^b	0.3 ^b	0.05 ^b	0.5	0.75 ^b	none	5	15	1.0
San Pasqual	HA	5.30	1,000 ^b	400 ^b	500 ^b	60	45 ^b	0.3 ^b	0.05 ^b	0.5	0.75 ^b	none	5	15	1.0
Santa Maria Valley	HA	5.40	1,000	400	500	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Santa Ysabel	HA	5.50	500	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
PENASQUITOS HYDROLOGIC UNIT		906.00													
Miramar Reservoir	HA ^{a f}	6.10	1,200	500	500	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Poway	HA	6.20	750 ^q	300	300	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Scripps	HA	6.30	-	-	-	-	-	-	-	-	-	-	-	-	-
Miramar	HA ^g	6.40	750	300	300	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Tecolote	HA	6.50	-	-	-	-	-	-	-	-	-	-	-	-	-

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			TDS	Cl	SO4	%Na	NO3	Fe	Mn	MBAS	B	ODOR	Turb NTU	Color Units	F
SAN DIEGO HYDROLOGIC UNIT		907.00													
Lower San Diego	HA	7.10													
Mission San Diego	HSA ^a	7.11	3,000 ^b	800 ^b	600 ^b	60	45 ^b	0.3 ^b	0.05 ^b	0.5	2.0 ^b	none	5	15	1.0
Santee	HSA	7.12	1,000 ^b	400 ^b	500 ^b	60	45 ^b	0.3 ^b	0.05 ^b	0.5	0.75 ^b	none	5	15	1.0
Santee (alluvial aquifer for lower Sycamore Canyon)	HSA ⁿ	7.12	2,000 ^b	800 ^b	600 ^b	60	45 ^b	0.3 ^b	0.05 ^b	0.5	2.0 ^b	none	5	15	1.0
El Cajon	HSA	7.13	1,200 ^b	250 ^b	500 ^b	60	45 ^b	0.3 ^b	0.05 ^b	0.5	0.75 ^b	none	5	15	1.0
Coches	HSA	7.14	600 ^b	250 ^b	250 ^b	60	45 ^b	0.3 ^b	0.05 ^b	0.5	0.75 ^b	none	5	15	1.0
El Monte	HSA	7.15	600 ^b	250 ^b	250 ^b	60	45 ^b	0.3 ^b	0.05 ^b	0.5	0.75 ^b	none	5	15	1.0
San Vicente	HA	7.20	600	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
El Capitan	HA	7.30	1,000	400	500	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Conejos Creek	HSA	7.31	350	60	60	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Boulder Creek	HA	7.40	350	60	60	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
PUEBLO SAN DIEGO HYDROLOGIC UNIT		908.00													
Point Loma	HA ⁱ	8.10	-	-	-	-	-	-	-	-	-	-	-	-	-
San Diego Mesa	HA ⁱ	8.20	-	-	-	-	-	-	-	-	-	-	-	-	-
National City	HA ⁱ	8.30	750	250	250	60	45 ⁴⁰	0.3	0.05	0.5	0.75	none	5	15	1.0

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Ground Water		Hydrologic Basin Unit Number	Constituent (mg/L or as noted)												
			TDS	Cl	SO4	%Na	NO3	Fe	Mn	MBAS	B	ODOR	Turb NTU	Color Units	F
SWEETWATER HYDROLOGIC UNIT		909.00													
Lower Sweetwater	HA	9.10													
Telegraph	HSA	9.11	3,000 ^b	750 ^b	500 ^b	60	45 ^b	0.3 ^b	0.05 ^b	0.5	2.0 ^b	none	5	15	1.0
La Nacion	HSA	9.12	1,500 ^b	500 ^b	500 ^b	60	45 ^b	0.3 ^b	0.15 ^b	0.5	0.75 ^b	none	5	15	1.0
Middle Sweetwater	HA	9.20	1,000	400	500	60	45 40	0.3	0.05	0.5	0.75	none	5	15	1.0
Upper Sweetwater	HA	9.30	500	250	250	60	40 45	0.3	0.05	0.5	0.75	none	5	15	1.0
OTAY HYDROLOGIC UNIT		910.00													
Coronado	HA	10.10	-	-	-	-	-	-	-	-	-	-	-	-	-
Otay Valley	HA	10.20	1,500 ^b	500 ^b	500 ^b	60	45 40 ^b	0.3 ^b	0.05 ^b	0.5	0.75 ^b	none	5	15	1.0
Otay Valley	HA ⁱ	10.20	-	-	-	-	-	-	-	-	-	none	-	-	-
Dulzura	HA	10.30	1,000	400	500	60	45 40	0.3	0.05	0.5	0.75	none	5	15	1.0
TIJUANA HYDROLOGIC UNIT		911.00													
Tijuana Valley	HA ^h	11.10	2,500 ^b	550 ^b	900 ^b	70	-	-	-	-	2.0 ^b	none	-	-	-
Potrero	HA	11.20	500	250	250	60	45	0.3	0.05	0.5	1.0	none	5	15	1.0
Barrett Lake	HA	11.30	500	250	250	60	45	0.3	0.05	0.5	1.0	none	5	15	1.0
Monument	HA	11.40	500	250	250	60	45	0.3	0.05	0.5	1.0	none	5	15	1.0
Morena	HA	11.50	500	250	250	60	45	0.3	0.05	0.5	1.0	none	5	15	1.0
Cottonwood	HA	11.60	500	250	250	60	45	0.3	0.05	0.5	1.0	none	5	15	1.0
Cameron	HA	11.70	500	250	250	60	45	0.3	0.05	0.5	1.0	none	5	15	1.0
Campo	HA	11.80	500	250	250	60	45	0.3	0.05	0.5	1.0	none	5	15	1.0

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