

Appendix 3-B: Water Quality Objectives for the San Diego Region

Excerpted from Basin Plan (Regional Board, Updated 2016)
Basin Plan Table 3-2 (Water Quality Objectives)



Table 3-2. Water Quality Objectives

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

Inland Surface Waters			Constituent (mg/L or as noted)												
			TDS	Cl	SO ₄	%Na	N&P	Fe	Mn	MBAS	B	ODOR	Turb NTU	Color Units	F
SAN JUAN HYDROLOGIC UNIT		901.00													
Laguna	HA	1.10	1,000	400	500	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Mission Viejo	HA	1.20	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
San Clemente	HA	1.30	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
San Mateo Canyon	HA	1.40	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
San Onofre	HA	1.50	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
SANTA MARGARITA HYDROLOGIC UNIT		902.00													
Ysidora	HA	2.10	750	300	300	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Deluz	HA	2.20	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Deluz Creek	HSA b	2.21	750	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Gavilan	HSA b	2.22	750	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Murrieta	HA	2.30	750	300	300	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Auld	HA	2.40	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Pechanga	HA	2.50	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Wolf	HSA b	2.52	750	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Wilson	HA	2.60	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Cave Rocks	HA	2.70	750	300	300	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Aguanga	HA	2.80	750	300	300	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Oakgrove	HA	2.90	750	300	300	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0

HA - Hydrologic Area

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

Table 3-2. Water Quality Objectives (continued)

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

Inland Surface Waters		Hydrologic Unit Basin Number	Constituent (mg/L or as noted)												
			TDS	Cl	SO ₄	%Na	N&P	Fe	Mn	MBAS	B	ODOR	Turb NTU	Color Units	F
SAN LUIS REY HYDROLOGIC UNIT		903.00													
Lower San Luis	HA	3.10	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Monserat	HA	3.20	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Warner Valley	HA	3.30	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
CARLSBAD HYDROLOGIC UNIT		904.00													
Loma Alta	HA	4.10	-	-	-	-	-	-	-	-	-	none	20	20	1.0
Buena Vista Creek	HA	4.20	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Agua Hedionda	HA	4.30	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Encinas	HA	4.40	-	-	-	-	-	-	-	-	-	none	20	20	1.0
San Marcos	HA	4.50	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Escondido Creek	HA	4.60	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
SAN DIEGUITO HYDROLOGIC UNIT		905.00													
Solana Beach	HA	5.10	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Hodges	HA	5.20	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
San Pasqual	HA	5.30	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Santa Maria Valley	HA	5.40	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Santa Ysabel	HA	5.50	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0

HA - Hydrologic Area

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

Table 3-2. Water Quality Objectives (continued)

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

Inland Surface Waters		Hydrologic Unit Basin Number	Constituent (mg/L or as noted)												
			TDS	Cl	SO ₄	%Na	N&P	Fe	Mn	MBAS	B	ODOR	Turb NTU	Color Units	F
PENASQUITOS HYDROLOGIC UNIT		906.00													
Miramar Reservoir	HA	6.10	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Poway	HA	6.20	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Scripps	HA	6.30	-	-	-	-	a	-	-	-	-	none	20	20	-
Miramar	HA	6.40	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Tecolote	HA	6.50	-	-	-	-	a	-	-	-	-	none	20	20	-
SAN DIEGO HYDROLOGIC UNIT		907.00													
Lower San Diego	HA	7.10	1,000	400	500	60	a	0.3	0.05	0.5	1.0	none	20	20	-
Mission San Diego	HSA	7.11	1,500	400	500	60	a	1.0	1.00	0.5	1.0	none	20	20	-
Santee	HSA c,	7.12	1,000	400	500	60	a	1.0	1.00	0.5	1.0	none	20	20	-
Santee	HSA d	7.12	1,500	400	500	60	a	1.0	1.00	0.5	1.0	none	20	20	-
San Vicente	HA	7.20	300	50	65	60	a	0.3	0.05	0.5	1.0	none	20	20	1.0
El Capitan	HA	7.30	300	50	65	60	a	0.3	0.05	0.5	1.0	none	20	20	1.0
Boulder Creek	HA	7.40	300	50	65	60	a	0.3	0.05	0.5	1.0	none	20	20	1.0
PUEBLO SAN DIEGO HYDROLOGIC UNIT		908.00													
Point Loma	HA	8.10	-	-	-	-	-	-	-	-	-	none	20	20	-
San Diego Mesa	HA	8.20	-	-	-	-	-	-	-	-	-	none	20	20	-
National City	HA	8.30	-	-	-	-	-	-	-	-	-	none	20	20	-

HA - Hydrologic Area

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

Table 3-2. Water Quality Objectives (continued)

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

Inland Surface Waters			Hydrologic Unit Basin Number	Constituent (mg/L or as noted)												
				TDS	Cl	SO ₄	%Na	N&P	Fe	Mn	MBAS	B	ODOR	Turb NTU	Color Units	F
SWEETWATER HYDROLOGIC UNIT			909.00													
Lower Sweetwater	HA		9.10	1,500	500	500	60	a	0.3	0.05	0.5	0.75	none	20	20	-
Middle Sweetwater	HA		9.20	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Upper Sweetwater	HA		9.30	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
OTAY HYDROLOGIC UNIT			910.00													
Coronado	HA		10.10	-	-	-	-	-	-	-	-	-	-	-	-	-
Otay Valley	HA		10.20	1,000	400	500	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
Dulzura	HA		10.30	500	250	250	60	a	0.3	0.05	0.5	0.75	none	20	20	1.0
TIJUANA HYDROLOGIC UNIT			911.00													
Tijuana Valley	HA		11.10	-	-	-	-	-	-	-	-	-	-	-	-	-
San Ysidro	HSA		11.11	2,100	-	-	-	a	-	-	-	-	none	20	20	-
Potrero	HA		11.20	500	250	250	60	a	0.3	0.05	0.5	1.0	none	20	20	1.0
Barrett Lake	HA		11.30	500	250	250	60	a	0.3	0.05	0.5	1.0	none	20	20	1.0
Monument	HA		11.40	500	250	250	60	a	0.3	0.05	0.5	1.0	none	20	20	1.0
Morena	HA		11.50	500	250	250	60	a	0.3	0.05	0.5	1.0	none	20	20	1.0
Cottonwood	HA		11.60	500	250	250	60	a	0.3	0.05	0.5	1.0	none	20	20	1.0
Cameron	HA		11.70	500	250	250	60	a	0.3	0.05	0.5	1.0	none	20	20	1.0
Campo	HA		11.80	500	250	250	60	a	0.3	0.05	0.5	1.0	none	20	20	1.0

HA - Hydrologic Area

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

Endnotes for Table 3-2

- a. Concentrations of nitrogen and phosphorus, by themselves or in combination with other nutrients, shall be maintained at levels below those which stimulate algae and emergent plant growth. Threshold total Phosphorus (P) concentrations shall not exceed 0.05 mg/l in any stream at the point where it enters any standing body of water, nor 0.025 mg/l in any standing body of water. A desired goal in order to prevent plant nuisances in streams and other flowing waters appears to be 0.1 mg/l total P. These values are not to be exceeded more than 10% of the time unless studies of the specific body in question clearly show that water quality objective changes are permissible and changes are approved by the Regional Board. Analogous threshold values have not been set for nitrogen compounds; however, natural ratios of nitrogen to phosphorus are to be determined by surveillance and monitoring and upheld. If data are lacking, a ratio of N: P=10:1 shall be used. Note - Certain exceptions to the above water quality objectives are described in Chapter 4 in the sections titled Discharges to Coastal Lagoons from Pilot Water Reclamation Projects and Discharges to Surface Waters.
- b. These objectives apply to the lower portion of Murrieta Creek in the Wolf HSA (2.52) and the Santa Margarita River from its beginning at the confluence of Murrieta and Temecula Creeks, through the Gavilan HSA (2.22) and DeLuz HSA (2.21), to where it enters the Upper Ysidora HSA (2.13).
- c. Sycamore Canyon Subarea, a portion of the Santee Hydrologic Subarea, includes the watersheds of the following north-south trending canyons: Oak Creek, Spring Canyon, Little Sycamore Canyon, Quail Canyon, and Sycamore Canyon. The Sycamore Canyon subarea extends eastward from the Mission San Diego HSA to the confluence of the San Diego River and Forester Creek, immediately south of the Santee Lakes.
- d. These objectives apply to the Lower Sycamore Canyon portion of the Santee Hydrologic Subarea described as all of the Sycamore Canyon watershed except that part which drains north of the boundary between sections 28 and 33, Township 14 South, Range 1 West.

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	SO ₄	%Na	NO ₃	Fe	Mn	MBAS	B	ODO R	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	45	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	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Segunda Deshecha	HSA	1.32	1,200	400	500	60	45	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

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

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
SANTA MARGARITA HYDROLOGIC UNIT		902.00													
Ysidora	HA ^a	2.10	750 ^c	300 ^c	300 ^c	60	45 ^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	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Deluz Creek	HSA ^m	2.21	750	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Gavilan	HSA ^m	2.22	750	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Murrieta	HA	2.30	750 ^c	300 ^c	300 ^c	60	45 ^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	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Pechanga	HA	2.50	500	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Pauba	HSA ^o	2.51	750	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Wolf	HSA ^p	2.52	750	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Wilson	HA	2.60	500	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Cave Rocks	HA	2.70	500	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Aguanga	HA	2.80	500	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Oakgrove	HA	2.90	500	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
SAN LUIS REY HYDROLOGIC UNIT		903.00													
Lower San Luis	HA	3.10	800 ^r	300	400	60	45	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	45	0.3	0.05	0.5	0.75	none	5	15	1.0
Valley Center	HSA	3.14	1,100 ^r	300	400	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0

HA - Hydrologic Area

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

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	SO ₄	%Na	NO ₃	Fe	Mn	MBAS	B	ODOR	Turb NTU	Color Units	F
SAN LUIS REY HYDROLOGIC UNIT (continued)		903.00													
Monserate	HA	3.20													
Pala	HSA	3.21	900 ^c	300 ^c	500 ^c	60	45 ^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	45 ^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	45	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	45 ^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	45	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	45	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	45	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	45	0.3	0.05	0.5	0.75	none	5	15	1.0

HA - Hydrologic Area

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

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	SO ₄	%Na	NO ₃	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	-	-	-	-	-	-	-	-	-	-	-	-	-
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

HA - Hydrologic Area

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

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	SO ₄	%Na	NO ₃	Fe	Mn	MBAS	B	ODOR	Turb NTU	Color Units	F
SAN DIEGO HYDROLOGIC UNIT (continued)		907.00													
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		908.0													
Point Loma	HA ⁱ	8.10	-	-	-	-	-	-	-	-	-	-	-	-	-
San Diego Mesa	HA ⁱ	8.20	-	-	-	-	-	-	-	-	-	-	-	-	-
National City	HA ⁱ	8.30	750	250	250	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
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	0.3	0.05	0.5	0.75	none	5	15	1.0
Upper Sweetwater	HA	9.30	500	250	250	60	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 ^b	0.3 ^b	0.05 ^b	0.5	0.75 ^b	none	5	15	1.0
Otay Valley	HA ^l	10.20	-	-	-	-	-	-	-	-	-	none	-	-	-
Dulzura	HA	10.30	1,000	400	500	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0

HA - Hydrologic Area

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

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	SO ₄	%Na	NO ₃	Fe	Mn	MBAS	B	ODOR	Turb NTU	Color Units	F
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

HA - Hydrologic Area

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

Endnotes for Table 3-3

- a. The water quality objectives do not apply westerly of the easterly boundary of Interstate Highway 5. The objectives for the remainder of the Hydrologic Area (Subarea) are as shown.
- b. Detailed salt balance studies are recommended for this area to determine limiting mineral concentration levels for discharge. On the basis on existing data, the tabulated objectives would probably be maintained in most areas. Upon completion of the salt balance studies, significant water quality objective revisions may be necessary. In the interim period of time, projects of ground water recharge with water quality inferior to the tabulated numerical values may be permitted following individual review and approval by the Regional Board if such projects do not degrade existing ground water quality to the aquifers affected by the recharge.
- c. The recommended plan would allow for measurable degradation of ground water in this basin to permit continued agricultural land use. Point sources, however, would be controlled to achieve effluent quality corresponding to the tabulated numerical values. In future years demineralization may be used to treat ground water to the desired quality prior to use.

Endnotes for Table 3-3 (continued)

- d. A portion of the Upper Mission Basin is being considered as an underground potable water storage reservoir for treated imported water. The area is located north of Highway 76 and the boundary of hydrologic subareas 3.11 and 3.12. If this program is adopted, local objectives approaching the quality of the imported water would be set and rigorously pursued.
- e. The water quality objectives do not apply to hydrologic subareas 4.51 and 4.52 between Highway 78 and El Camino Real and to all lands which drain to Moonlight Creek, Cottonwood Creek and Encinitas Creek. The objectives for the remainder of the Hydrologic Area are as shown.
- f. The water quality objectives do not apply to all lands which drain to Los Penasquitos Canyon from 1.5 miles west of Interstate Highway 15. The objectives for the remainder of the Hydrologic Area are as shown.
- g. The water quality objectives do not apply west of Interstate Highway 15. The objectives for the remainder of the Hydrologic Area are as shown.
- h. The water quality objectives do not apply west of Hollister Street. The objectives for the remainder of the Hydrologic Area are as shown.
- i. No significant amount of ground water in this unit.
- j. The water quality objectives apply to the portion of Subarea 4.31 bounded on the west by the easterly boundary of the Interstate 5 right-of-way and on the east by the easterly boundary of El Camino Real.
- k. The water quality objectives apply to the portion of Subarea 4.51 bounded on the south by the north shore of Batiquitos Lagoon, on the west by the easterly boundary of the Interstate 5 right-of-way and on the east by the easterly boundary of El Camino Real.
- l. The water quality objectives apply to the portion of the Otay HA 10.20 limited to lands within and tributary to Salt Creek on the east and Poggi Canyon on the west and including the several smaller drainage courses between these tributaries of the Otay River.
- m. These objectives apply to the alluvial ground water beneath the Santa Margarita River from the confluence of Murrieta and Temecula Creeks through the Gavilan and DeLuz HSAs to a depth of 100 feet and a lateral distance equal to the area of the floodplain covered by a 10 year flood event. These objectives do not apply to ground water in any of the basins beneath DeLuz, Sandia, and Rainbow Creeks and other unnamed creeks, which are tributaries of the Santa Margarita River.
- n. These objectives apply for only the alluvial aquifer in the Lower Sycamore Canyon portion of the Santee Hydrologic Subarea described as all of the Sycamore Canyon watershed except that part which drains north of the boundary between sections 28 and 33, Township 14 South, Range 1 West.

Endnotes for Table 3-3 (continued)

- o. These objectives apply to ground waters within 250 feet of the surface for the most downstream 4,200 acres of the Pauba HSA (2.51) which drain directly to the most downstream 2.7 mile segment of Temecula Creek. Excluded from this area are all lands upgradient from a point 0.5 miles east of the intersection of Butterfield Stage Road and Highway 79.
- p. These objectives apply to ground waters within 250 feet of the surface for the most downstream 2,800 acres of the Wolf HSA (2.52) including those portions of the HSA which drain directly to the most downstream 1.5 mile segment of Pechanga Creek. Excluded from this area are all lands of HSA 2.52 which are upgradient of the intersection of Pala Road and Via Eduardo.
- q. These objectives apply to ground waters of the Poway HSA (6.2) that lie east of the San Diego County Water Authority's (SDCWA) First Aqueduct. Ground water quality objectives west of the SDCWA First Aqueduct are 1,000 mg/l.
- r. The total dissolved solids (TDS) objective for the alluvial aquifer in the Moosa Hydrologic Subarea (903.13) is 1,200 mg/l. The TDS objective for the alluvial aquifer in the Valley Center Hydrologic Subarea (903.14) is 1,100 mg/l.

