



Water Quality Inventory
FOR
Water Years 1980 & 1981

JULY 1982

Beneficial Use	DESCRIPTION
Cold Freshwater Habitat (COLD)	Provides a cold water habitat to sustain aquatic resources associated with a cold water environment.
Preservation of Areas of Special Biological Significance (BIOL)	Includes marine life refuges, ecological reserves and designated areas of special biological significance such as areas where kelp propagation and maintenance is a feature of the marine environment requiring special protection.
Wildlife Habitat (WILD)	Provides a water supply and vegetation habitat for the maintenance of wildlife.
Preservation of Rare and Endangered Species (RARE)	Provides an aquatic habitat necessary, at least in part, for the survival of certain species established as being rare and endangered species.
Marine Habitat (MAR)	Provides for the preservation of the marine ecosystem including the propagation and sustenance of fish, shellfish, marine mammals, waterfowl and vegetation such as kelp.
Fish Migration (MIGR)	Provides a migration route and temporary aquatic environment for anadromous or other fish species.
Fish Spawning (SPWN)	Provides a high quality aquatic habitat especially suitable for fish spawning.
Shellfish Harvesting (SHELL)	The collection of shellfish such as clams, oysters, abalone, shrimp, crab and lobster for either commercial or sport purposes.
Saline Water Habitat (SAL)	Provides an inland saline water habitat for aquatic life resources.
Freshwater Replenishment (FRSH)	Provides a source of freshwater for replenishment of inland lakes and streams of varying salinities.

Appendix A presents a summary matrix of Water Quality Limited Segments and Effluent Limited Segments for WY 1978 and WY 1979. The segments were established by the Regional Boards using available water quality data and the following criteria.

Water Quality Limited (WQL)

Any segment where it is known that present water quality does not provide for recreation in and on the waters and for protection and propagation of fish, shellfish, and wildlife and the July 1, 1983 treatment levels will be insufficient to provide the water quality necessary to meet these goals. Water quality limited designations require supporting documentation.

Effluent Limited I (EL I)

Includes segments suspected of being water quality segments, but for which the documentation is not currently available. Segments with suspected violations or threats to any water quality objective identified in the basin plans are of major concern. Segments presently in violation of standards, but where July 1977 and/or July 1983 treatment levels will be sufficient to provide the water quality necessary to meet the goals of the Act; segments presently in compliance, but where documentation substantiates a trend toward violation of a water quality objective identified in the basin plan.

Effluent Limited II (EL II)

All remaining water bodies and segments will be classified EL II and may be designated by the hydrologic unit which encompasses the surface waters.

SUMMARY OF WATER BODY CLASSIFICATION CRITERIA - 1978- 1979

Classification	Compliance with PL 92-500 Goals	
	<u>Present</u>	<u>Future</u>
	Best practical control technology currently available	Best technology economically achievable
Water Quality Limited (WQL)	In violation documented	Will be in violation
Effluent Limited (EL)		
EL-I-A	Suspected violation	May be in violation
EL-I-B	Documented violation	Violation will be cleaned up
EL-I-C	No violation	Documented trend toward violation
Effluent Limited		
EL-II	No violation	No violation anticipated

1982 LISTING

WATER QUALITY LIMITED SEGMENT - MATRIX - W.Y. 1980 & 1981

SEGMENT NAME AND DESCRIPTION	REGION	REGIONAL PRIORITY	BENEFICIAL USE AFFECTED (1)	WATER QUALITY OBJECTIVE VIOLATED	STATUS (2)			POINT SOURCE COMMENTS
					C	X	X	
Laguna de Santa Rosa	1	1	B,C,J,P,Q,R	D.O., Nutrient, Coliform	C	X	X	Control by 1978
South San Francisco Bay	2	1	L,M,Q	D.O., Coliform, Ammonia	C	X	X	
Alameda Creek	2	2	A,T	TDS	C		X	
Napa River	2	3	I,M,N,Q	Coliform, pH, Nutrient, D.O.	C	X	X	
Petaluma River	2	4	I,M,N,Q	D.O., Coliform	C	X	X	
Bryant Creek	6	1	B,J,P,Q,R,T	Toxic, TDS,pH,Heavy Metals	C	X	X	Acid Mine drainage
East Walker River	6	2	J,P,Q,R	Turb., Sus. Solids, Set. Sol.	C		X	Outflow from Bridgeport Reservoir
New River	7	1	B,H,I,F,R	D.O., Bacteria	C		X	International problem
Salton Sea	7	2	P,Q,R,S	TDS	C	X	X	
Palo Verde Lagoon	7	3	I,P,Q,R	Bacteria	N	X	X	
Middle Santa Ana River	8	1	I,Q,T	Bacteria, TDS, Cl	C	X	X	
Upper Newport Bay	8	2	E,G,Q	Bacteria	C	X		
Ysidora-DeLuz HSU	9	1	A,Q	TDS, Nutrient, Bacteria	C		X	Includes Santa Margarita
Tijuana HSU	9	2	R	Bact., BOD, Set. Solids	C		X	International problem
San Joaquin River (Lower)	5	1	B,H,I,J,M,N	Dissolved Oxygen, Sal.	C	X	X	
Little Grizzly Creek	5	3	H,J	Toxic, Heavy Metals	C		X	Mine drainage
Spring Creek	5	2	I,J,M,N,P,Q,R	Toxic, Heavy Metals, pH	C		X	Mine drainage
Mokelumne River	5	4	H,I,J,M,N	Toxic, Heavy Metals	C		X	Mine drainage
Alamo River	7	3	B,H,I,P,R	D.O. Bacteria	C	X		

STANDARD BENEFICIAL USES (1)																				
MUN	AGR	IND	PROG	COIN	FOUR	SHELLFISH	FRESH FISH	WARE	COLD	BIOL	MAR.	SPIN	MGR	RARE	WILD	REC 1	REC 2	SAL	GMR	NAV
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U

STATUS (2)
 N-"NEW" - A problem segment not previously included
 C-"CON'T." - A continuing problem

(CONT.)
EFFLUENT LIMITED SEGMENT
 (EL - 1 - A) - W.Y. 1980 & 1981

SEGMENT NAME AND DESCRIPTION	REGION		BENEFICIAL USES AFFECTED (1)	WATER QUALITY OBJECTIVE VIOLATED	POINT SOURCE		COMMENTS
	REGIONAL PRIORITY				POINT SOURCE		
Richardson Bay	2	1	G,Q	Coliform	X	X	Insufficient data
Suisun Marsh	2	2	I,L,N,P	D.O., Salinity, Biostimulants	X	X	Insufficient data
Sonoma Creek	2	3	I,M,N,O	D.O., Coliform	X	X	Insufficient data
Tomales Bay-Walker & Lagunitas Ck	2	4	G	Coliform	X		Insufficient data
Lower Salinas River	3	1	I,P,R	Ammonia, D.O., Coli., P, Toxi., Nutrients, TDS		X	Within 208 area Insufficient data
San Lorenzo River	3	2	A,B,C,H,J,M,N, P,Q,R,T	Nutrients, Turbidity, Suspended Solids, Coli.	X		Within a 208 Area
Roberts Lake/Laguna Grande	3	1	I, Q	Nutrients, Sediment	X		Urban Storm Runoff, Const. Sed.
Pajaro River (Lower)	3	3	A,B, Q,T	TDS, Sodium, Pesticides, Nutr.	X		Within a 208 Area
Carmel River	3	5	A,Q,R	TDS, Bacteria	X		Insufficient data
San Luis Obispo Creek	3	4	B,I,M,N,Q,R	D.O., pH, Nutrients, Bacteria	X	X	Insufficient data
San Joaquin River (Middle)	5	1	A,B,C,I,J,M,N, Q,R	Salinity, Nutrients	X		
Sacramento River (Middle)	5	2	H,I,J,M,N	Toxicants, Copper, Temperature	X	X	Mine drainage & other unidentified sources
Sacramento-San Joaquin Delta	5	3	B,C,D,H,I,N,Q,R	D.O., Sal., Bact., Nutr., Temp.	X	X	Suspended W,Q,L.
Clear Lake	5	4	A,Q,R	Nutrients, Turb., Floatables	X		Causing other problem
Susan River	6	1	A,I,J,Q,R	Sus. Sed., Nutr., Coli., Temp.	X	X	Insufficient data
Deep Creek	6	2	J,Q,R	Sus. Sed., Coli., Nutrients	X		Insufficient data
E. Fork of W. Fork Mojave River	6	3	J,Q,R	Sus. Sed., Coliform, Nutrients	X		Insufficient data
Mammoth Creek	6	4	A,J,Q,R	Coliform, Nutrients	X		Insufficient data
Little Truckee River	6	5	A,J,Q,R	Nutrients	X		Insufficient data
Big Bear Valley-Baldwin Lake	8	1	Q	Bacteria, Turbidity, Nitro		X	Insufficient data
Santa Ana River (Upper)	8	4	A	Bacteria	X		Insufficient data
Lake Elsinore	8	5	I,Q	D.O., Nutrient	X	X	Insufficient data

STANDARD BENEFICIAL USES (1)																				
KEY	AGR	IND	PROC	COSE	POWER	SHELLFISH	FRESH FISH	WARM	COLD	MOL	MAR	SFCH	HGR	RAE	WILD	REC 1	REC 2	SAL	GR	NAV
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U

