

Watershed Summary Information

Accounting Unit Name: Ventura-San Gabriel Coastal

State(s): CA

Political Boundaries: Los Angeles

Major Waterways:

Number of Stations in Watershed: Tier1 - 14
Tier2 - 10
Tier3 - 1



Figure 183. Watershed Location Map

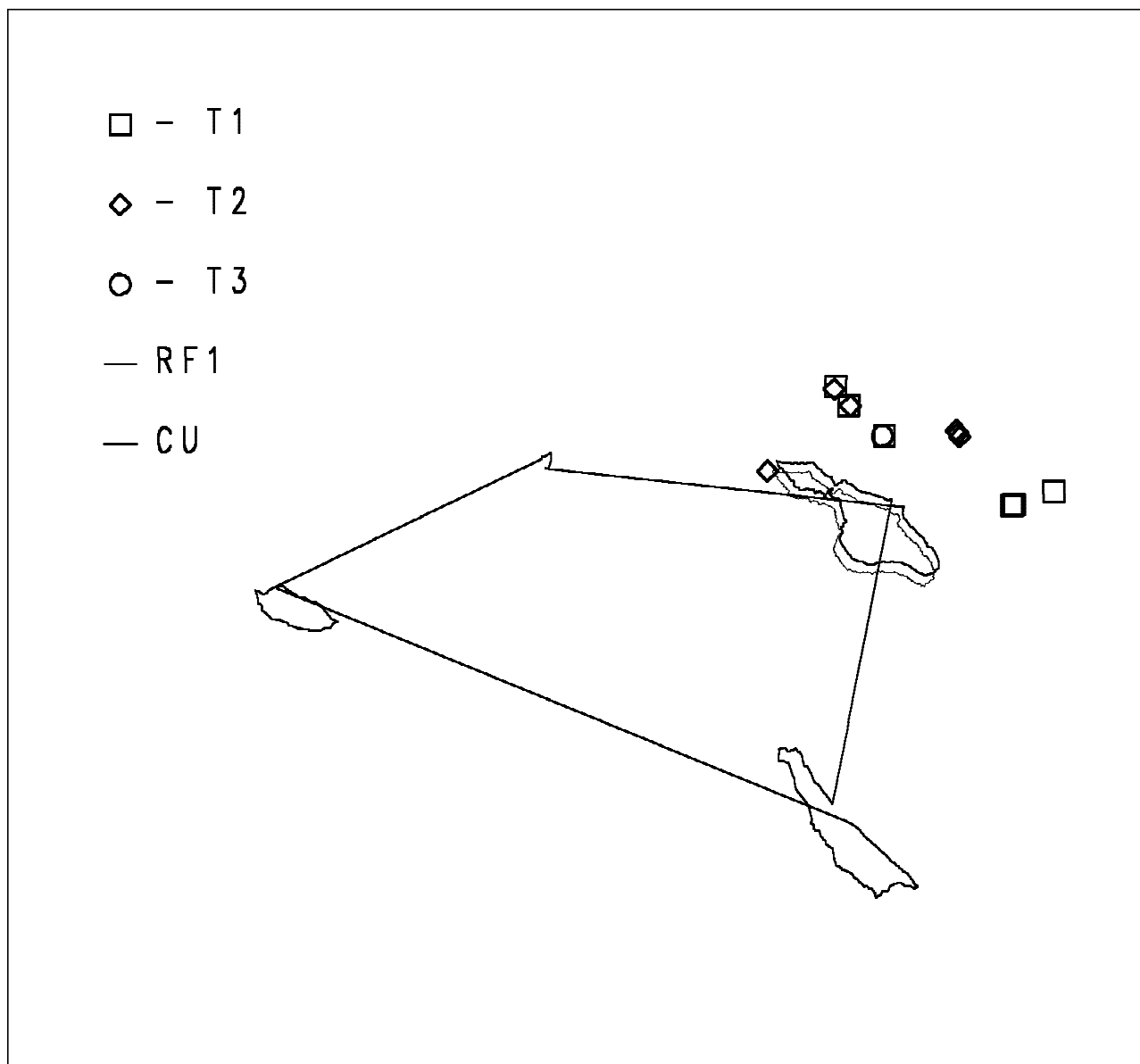


Figure 184. Major Waterways and Location of Sampling Stations

Data Source(s) Used in Evaluation

Source: **ODES** Agency: **GL**
 Monitoring Program: **Goleta 301(h)**
 Num. of Stations: 5 Date Range: 1986-90

Source: **ODES** Agency: **TH**
 Monitoring Program: **Thums Ocean Dumping**
 Num. of Stations: 13 Date Range: 1985-87

Source: **SEACOE** Agency: **NOAA84**
 Monitoring Program: **Benthic Surveillance 1984**
 Num. of Stations: 7 Date Range: 1984

Chemicals Responsible for Sampling Station Classification as Tier 1 or Tier 2

Classifying Parameter	Number of Stations							
	All Parameters				Aquatic Life		Human Health	
	Total	T.1&2	Tier1	Tier2	Tier1	Tier2	Tier1	Tier2
Arsenic	25	18	.	18	.	13	.	5
Chromium	25	17	.	17	.	16	.	1
Nickel	25	16	.	16	.	16	.	.
Silver	25	14	2	12	2	12	.	.
Copper	25	14	.	14	.	14	.	.
DDT	25	13	10	3	10	3	.	10
Mercury	25	10	7	3	7	3	.	.
Lead	25	9	.	9	.	9	.	.
Polychlorinated biphenyls	25	8	2	6	2	3	.	8
Cadmium	25	8	.	8	.	8	.	.
Benzo(a)pyrene	24	4	.	4	.	.	.	4
Dibenzo(a,h)anthracene	24	3	.	3	.	3	.	1
Zinc	24	3	.	3	.	3	.	.
Chlordane	25	2	.	2	.	2	.	2
Bis(2-chloroethyl)ether	5	1	.	1	.	.	.	1
Bis(2-ethylhexyl)phthalate	16	1	.	1	.	.	.	1
Di-n-butyl phthalate	17	1	.	1	.	1	.	.

Sediment Chemistry Data: Chemical Summary

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Acenaphthene	24	1.41	0.00	3	21.00	0.90
Acenaphthylene	17	0.00	0.00	0	.	.
Acetone	17	0.00	0.00	0	.	.
Acrylonitrile	11	0.00	0.00	0	.	.
Aldrin	24	0.00	0.00	0	.	.
Anthracene	16	0.00	0.00	0	.	.
Antimony	24	625.00	590.00	17	2750.00	280.00
Arsenic	24	7977.29	9490.00	24	21700.00	1145.00
Benzene	17	0.00	0.00	0	.	.
Benzo(a)anthracene	23	5.13	0.00	4	45.00	12.00
Benzo(a)pyrene	23	9.00	0.00	4	71.00	38.00
Benzo(b)fluoranthene	6	0.00	0.00	0	.	.
Benzo(ghi)perylene	16	0.00	0.00	0	.	.
Benzo(k)fluoranthene	16	0.00	0.00	0	.	.
Benzoic acid	17	0.00	0.00	0	.	.
Benzyl alcohol	17	0.00	0.00	0	.	.
Bis(2-ethylhexyl)phthalate	16	0.00	0.00	0	.	.
Bromophenyl phenyl ether, 4-	6	0.00	0.00	0	.	.
Butyl benzyl phthalate	16	0.00	0.00	0	.	.

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
BHC	75	0.00	0.00	0	.	.
Cadmium	24	768.12	532.50	23	2735.00	57.00
Chlordane	24	3.84	0.00	6	75.90	0.40
Chlorobenzene	17	0.00	0.00	0	.	.
Chromium	24	63445.83	65350.00	24	139000.0	6650.00
Chrysene	23	10.48	0.00	4	83.00	27.00
Copper	24	28373.96	33700.00	24	55900.00	4600.00
Cresol, o	17	0.00	0.00	0	.	.
Cresol, p-	17	0.00	0.00	0	.	.
Di-n-butyl phthalate	16	271.87	0.00	3	1850.00	1250.00
Di-n-octyl phthalate	16	0.00	0.00	0	.	.
Dibenzo(a,h)anthracene	30	1.50	0.00	4	16.00	4.00
Dibenzofuran	17	0.00	0.00	0	.	.
Dichlorobenzene, 1,2-	17	0.00	0.00	0	.	.
Dichlorobenzene, 1,3-	17	0.00	0.00	0	.	.
Dichlorobenzene, 1,4-	17	0.00	0.00	0	.	.
Dichloroethane 1,1-	17	0.00	0.00	0	.	.
Dichloroethane 1,2-	17	0.00	0.00	0	.	.
Dichloromethane	17	0.00	0.00	0	.	.
Dichloropropane, 1,2-	17	0.00	0.00	0	.	.
Dieldrin	24	0.00	0.00	0	.	.
Diethyl phthalate	17	0.00	0.00	0	.	.
Dimethyl phthalate	17	0.00	0.00	0	.	.
Dimethylphenol, 2,4-	17	0.00	0.00	0	.	.
DDT	65	119.78	0.00	30	881.00	3.00
Endosulfan, alpha-	17	0.00	0.00	0	.	.
Endosulfan, beta-	17	0.00	0.00	0	.	.
Endrin	17	0.00	0.00	0	.	.
Ethylbenzene	17	0.00	0.00	0	.	.
Fluoranthene	23	12.96	0.00	5	89.00	28.00
Fluorene	24	0.63	0.00	2	13.00	2.00
Heptachlor	7	0.00	0.00	0	.	.
Heptachlor epoxide	24	0.00	0.00	0	.	.
Hexachlorobenzene	23	0.00	0.00	0	.	.
Hexachlorobutadiene	17	0.00	0.00	0	.	.
Hexachloroethane	17	0.00	0.00	0	.	.
HMW_PAHs	7	72.86	0.00	2	360.00	150.00
Indeno(1,2,3-cd)pyrene	16	0.00	0.00	0	.	.
Isophorone	17	0.00	0.00	0	.	.
Lead	24	17096.04	12550.00	24	35900.00	800.00
LMW_PAHs	7	7.86	0.00	1	55.00	55.00
Mercury	24	545.29	41.25	15	3020.00	22.50
Methoxychlor	6	0.00	0.00	0	.	.
Methyl ethyl ketone	17	0.00	0.00	0	.	.

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Methylnaphthalene, 2-	24	0.29	0.00	1	7.00	7.00
Naphthalene	24	0.79	0.00	2	11.00	8.00
Nickel	24	27100.00	27500.00	24	43600.00	5150.00
Nitrosodiphenylamine, N-	16	0.00	0.00	0	.	.
Pentachlorophenol	16	0.00	0.00	0	.	.
Phenanthrene	23	6.26	0.00	4	50.00	11.00
Phenol	17	0.00	0.00	0	.	.
Polychlorinated biphenyls	126	10.29	0.00	8	720.00	11.00
Pyrene	23	14.91	0.00	5	130.00	21.00
Silver	24	1673.75	1280.00	18	11500.00	370.00
Tetrachloroethane, 1,1,2,2-	17	0.00	0.00	0	.	.
Tetrachloroethene	17	0.00	0.00	0	.	.
Tetrachloromethane	17	0.00	0.00	0	.	.
Toluene	17	0.00	0.00	0	.	.
Toxaphene	17	0.00	0.00	0	.	.
Tribromomethane/Bromoform	17	0.00	0.00	0	.	.
Trichlorobenzene, 1,2,4-	17	0.00	0.00	0	.	.
Trichloroethane, 1,1,1-	17	0.00	0.00	0	.	.
Trichloroethane, 1,1,2-	17	0.00	0.00	0	.	.
Trichloroethene	17	0.00	0.00	0	.	.
Trichlorofluoromethane	11	0.00	0.00	0	.	.
Trichloromethane/Chloroform	17	0.00	0.00	0	.	.
Xylenes	17	0.00	0.00	0	.	.
Zinc	24	84379.17	96750.00	24	194000.0	14500.00

Tissue Residue Data: Chemical Summary

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Acenaphthene	5	0.00	0.00	0	.	.
Acrolein	5	0.00	0.00	0	.	.
Acrylonitrile	5	0.00	0.00	0	.	.
Aldrin	5	0.00	0.00	0	.	.
Anthracene	5	0.00	0.00	0	.	.
Antimony	5	0.00	0.00	0	.	.
Arsenic	5	1360.00	1300.00	5	1700.00	1100.00
Benzene	5	4.40	0.00	1	22.00	22.00
Benzidine	5	0.00	0.00	0	.	.
Benzo(a)anthracene	5	0.00	0.00	0	.	.
Benzo(a)pyrene	5	0.00	0.00	0	.	.
Benzo(b)fluoranthene	5	0.00	0.00	0	.	.
Benzo(k)fluoranthene	5	0.00	0.00	0	.	.
Beryllium	5	0.00	0.00	0	.	.

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Bis(2-chloroethyl)ether	5	40.00	0.00	1	200.00	200.00
Bis(2-chloroisopropyl)ether	5	40.00	0.00	1	200.00	200.00
Bis(2-ethylhexyl)phthalate	4	2130.00	260.00	2	8000.00	520.00
Bromodichloromethane	5	0.00	0.00	0	.	.
Bromomethane	5	0.00	0.00	0	.	.
Bromophenyl phenyl ether, 4-	5	0.00	0.00	0	.	.
Butyl benzyl phthalate	5	0.00	0.00	0	.	.
BHC	20	0.00	0.00	0	.	.
Cadmium	5	570.00	540.00	5	950.00	270.00
Chlordane	5	0.00	0.00	0	.	.
Chlorobenzene	5	0.00	0.00	0	.	.
Chloroethane	5	0.00	0.00	0	.	.
Chloroethene	5	0.00	0.00	0	.	.
Chloroethylvinyl ether, 2-	5	0.00	0.00	0	.	.
Chloromethane	5	20.20	0.00	1	101.00	101.00
Chloronaphthalene, 2-	5	0.00	0.00	0	.	.
Chlorophenol, 2-	5	40.00	0.00	1	200.00	200.00
Chromium	5	14872.00	920.00	4	71000.00	840.00
Chrysene	5	0.00	0.00	0	.	.
Copper	5	716.00	700.00	5	1000.00	560.00
Cyanide	1	0.00	0.00	0	.	.
Di-n-butyl phthalate	5	72.00	0.00	1	360.00	360.00
Di-n-octyl phthalate	5	1480.00	0.00	1	7400.00	7400.00
Diazinon/Spectracide	4	0.00	0.00	0	.	.
Dibenzo(a,h)anthracene	5	0.00	0.00	0	.	.
Dibromochloromethane	5	0.00	0.00	0	.	.
Dichlorobenzene, 1,2-	5	40.00	0.00	1	200.00	200.00
Dichlorobenzene, 1,3-	5	40.00	0.00	1	200.00	200.00
Dichlorobenzene, 1,4-	5	40.00	0.00	1	200.00	200.00
Dichlorobenzidine, 3,3'-	5	0.00	0.00	0	.	.
Dichloroethane 1,1-	4	0.00	0.00	0	.	.
Dichloroethane 1,2-	4	0.00	0.00	0	.	.
Dichloroethene, trans-1,2-	5	0.00	0.00	0	.	.
Dichloroethene, 1,1-	4	0.00	0.00	0	.	.
Dichloromethane	2	0.00	0.00	0	.	.
Dichlorophenol, 2,4-	5	0.00	0.00	0	.	.
Dichloropropane, 1,2-	5	0.00	0.00	0	.	.
Dichloropropene, 1,3-	4	0.00	0.00	0	.	.
Dieldrin	5	0.00	0.00	0	.	.
Diethyl phthalate	5	0.00	0.00	0	.	.
Dimethyl phthalate	5	0.00	0.00	0	.	.
Dimethylphenol, 2,4-	5	0.00	0.00	0	.	.
Dinitrophenol, 2,4-	5	0.00	0.00	0	.	.
Dinitrotoluene, 2,4-	5	0.00	0.00	0	.	.

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Dinitrotoluene, 2,6-	5	0.00	0.00	0	.	.
Dioxins	1	0.00	0.00	0	.	.
Diphenylhydrazine, 1,2-	5	0.00	0.00	0	.	.
Disulfoton	4	0.00	0.00	0	.	.
DDT	21	1.52	0.00	2	26.00	6.00
Endosulfan, alpha-	5	0.00	0.00	0	.	.
Endosulfan, beta-	5	0.00	0.00	0	.	.
Endrin	5	0.00	0.00	0	.	.
Ethion/Bladen	4	0.00	0.00	0	.	.
Ethylbenzene	4	0.00	0.00	0	.	.
Fluoranthene	5	0.00	0.00	0	.	.
Fluorene	5	0.00	0.00	0	.	.
Heptachlor	5	0.00	0.00	0	.	.
Heptachlor epoxide	5	0.00	0.00	0	.	.
Hexachlorobenzene	5	0.00	0.00	0	.	.
Hexachlorobutadiene	5	0.00	0.00	0	.	.
Hexachloroethane	5	0.00	0.00	0	.	.
Indeno(1,2,3-cd)pyrene	5	0.00	0.00	0	.	.
Isophorone	5	0.00	0.00	0	.	.
Lead	5	164.00	150.00	4	310.00	100.00
Malathion	5	0.00	0.00	0	.	.
Mercury	5	90.00	20.00	4	400.00	10.00
Methoxychlor	4	0.00	0.00	0	.	.
Mirex/Dechlorane	3	0.00	0.00	0	.	.
Naphthalene	5	0.00	0.00	0	.	.
Nickel	5	1512.00	560.00	3	6300.00	560.00
Nitrobenzene	5	0.00	0.00	0	.	.
Nitrophenol, 4	5	0.00	0.00	0	.	.
Nitrosodi-n-propylamine, N-	5	0.00	0.00	0	.	.
Nitrosodiphenylamine, N-	5	0.00	0.00	0	.	.
Parathion ethyl	5	68.00	0.00	1	340.00	340.00
Pentachlorophenol	5	0.00	0.00	0	.	.
Phenol	5	0.00	0.00	0	.	.
Polychlorinated biphenyls	35	0.00	0.00	0	.	.
Pyrene	5	0.00	0.00	0	.	.
Selenium	5	106.00	0.00	2	300.00	230.00
Silver	5	106.00	0.00	2	400.00	130.00
Tetrachloroethane, 1,1,2,2-	5	0.00	0.00	0	.	.
Tetrachloroethene	4	0.50	0.00	1	2.00	2.00
Tetrachloromethane	5	0.00	0.00	0	.	.
Toluene	5	3.00	0.00	2	9.00	6.00
Toxaphene	5	0.00	0.00	0	.	.
Tribromomethane/Bromoform	5	0.00	0.00	0	.	.
Trichlorobenzene, 1,2,4-	5	0.00	0.00	0	.	.

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Trichloroethane, 1,1,1-	5	0.00	0.00	0	.	.
Trichloroethane, 1,1,2-	5	0.00	0.00	0	.	.
Trichloroethene	5	0.00	0.00	0	.	.
Trichlorofluoromethane	5	0.00	0.00	0	.	.
Trichloromethane/Chloroform	5	0.60	0.00	1	3.00	3.00
Trichlorophenol, 2,4,6-	5	0.00	0.00	0	.	.
Zinc	4	24000.00	21000.00	4	34000.00	20000.00