Los Angeles 18070105

Watershed Summary Information

Accounting Unit Name: Ventura-San Gabriel Coastal

State(s): CA

Political Boundaries: Los Angeles

Major Waterways: Los Angeles R
Big Tujunga Canyon
Eaton Wash
Aliso Canyon Wash
Pacoima Cr

Number of Stations in Watershed: Tier1 - 14
Tier2 - 19
Tier3 - 4

Figure 181. Watershed Location Map

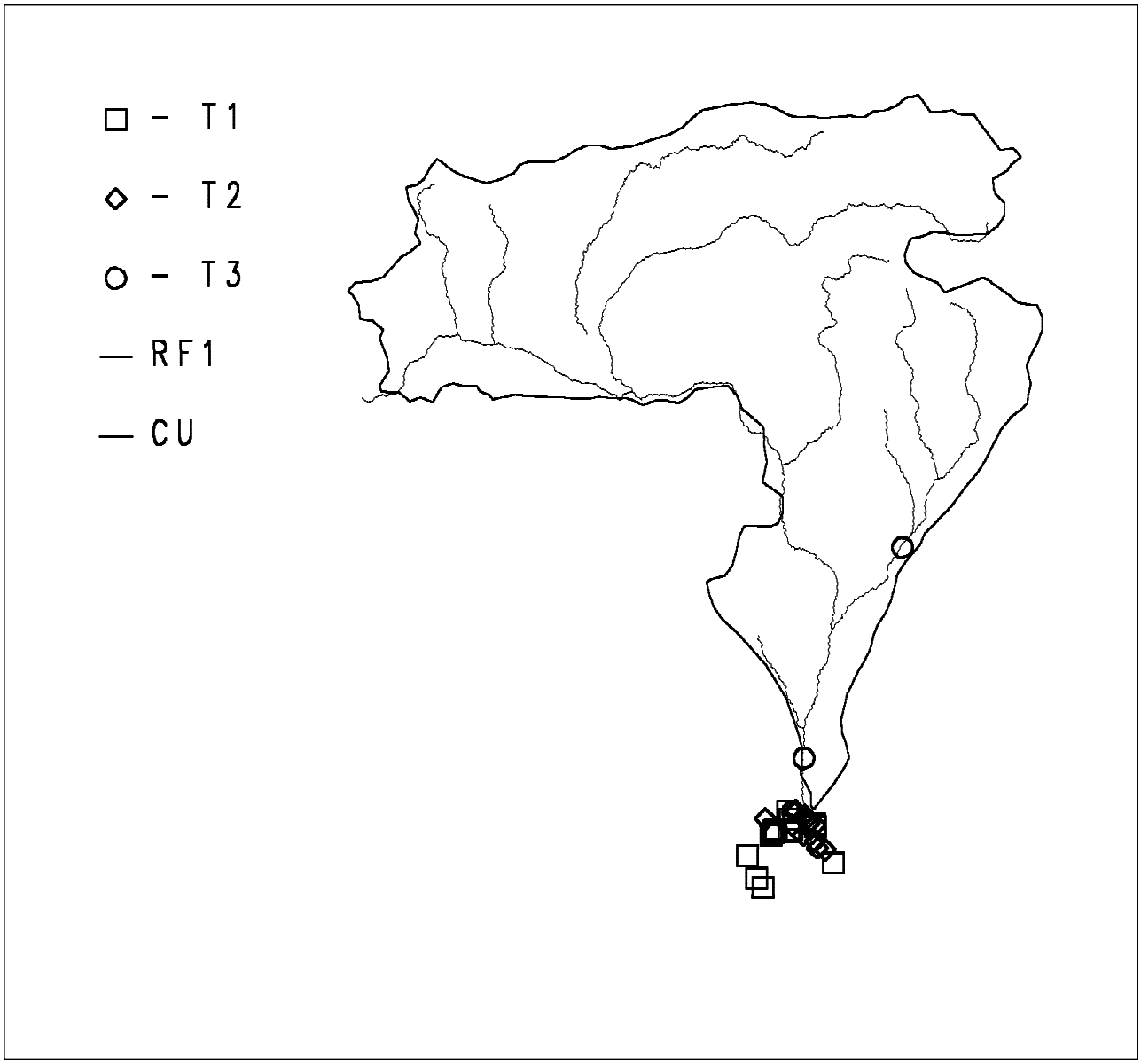

Figure 182. Major Waterways and Location of Sampling Stations

Data Source(s) Used in Evaluation

Source: **COSED** Agency: **NS&T**
Monitoring Program: **NOAA/National Status and Trends**
Num. of Stations: 3 Date Range: 1984-90

Source: **DMATS** Agency: **R9**
Monitoring Program: **EPA Region 9 Dredged Material Program**
Num. of Stations: 25 Date Range: 1980-90

Source: **DMATS** Agency: **09**
Monitoring Program: **EPA Region 9 Dredged Material Program**
Num. of Stations: 6 Date Range: 1991-92

Source: **SEACOE** Agency: **SCCWRP87**
Monitoring Program: **Toxicity of sediments from Southern CA**
Num. of Stations: 1 Date Range: 1987

Source: **STORET** Agency: **21CALAFD**
Monitoring Program: **Los Angeles County Flood Control District Surface And Ground Waters Data**
Num. of Stations: 2 Date Range: 1988-91

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
Copper	34	30	.	30	.	30	.	.
Nickel	27	23	.	23	.	23	.	.
Mercury	34	20	4	16	4	16	.	2
Cadmium	35	19	.	19	.	19	.	3
DDT	26	17	8	9	8	9	.	10
Lead	30	17	.	17	.	17	.	.
Arsenic	29	13	.	13	.	13	.	.
Silver	26	13	.	13	.	13	.	.
Zinc	28	13	.	13	.	13	.	.
Pyrene	17	8	3	5	3	5	.	.
Chrysene	17	8	2	6	2	6	.	1
Chromium	32	8	.	8	.	8	.	.
Benzo(a)anthracene	16	7	2	5	2	5	.	2
Benzo(a)pyrene	16	7	1	6	1	6	.	7
Polychlorinated biphenyls	31	6	2	4	2	4	.	6
Acenaphthylene	15	6	1	5	1	5	.	.
Anthracene	15	5	1	4	1	4	.	.
Fluoranthene	17	4	2	2	2	2	.	.
Fluorene	12	4	1	3	1	3	.	.
Dibenzo(a,h)anthracene	12	4	.	4	.	4	.	3
BHC	15	3	.	3	.	3	.	1
Naphthalene	11	3	.	3	.	3	.	.
Phenanthrene	17	2	1	1	1	1	.	.
Acenaphthene	11	1	1	.	1	.	.	.
Aldrin	10	1	.	1	.	.	.	1
Bis(2-ethylhexyl)phthalate	6	1	.	1	.	1	.	.
Heptachlor	14	1	.	1	.	.	.	1
LMW_PAHs	1	1	.	1	.	1	.	.
Methylnaphthalene, 2-	1	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	25	137.96	0.00	8	3208.00	2.13
Acenaphthylene	30	41.67	1.50	15	677.00	3.00
Aldrin	22	0.24	0.00	3	2.14	1.14
Anthracene	30	563.94	2.50	15	7806.00	5.00
Antimony	9	786.67	820.00	9	1300.00	320.00
Arsenic	49	6296.80	7530.00	49	16700.00	2.00
Benzo(a)anthracene	33	449.45	29.98	19	9115.00	12.00
Benzo(a)pyrene	33	361.07	44.00	19	6173.00	34.16
Benzo(b)fluoranthene	4	204.38	122.44	4	520.00	52.65
Benzo(ghi)perylene	27	32.40	0.00	8	270.00	27.12
Benzo(k)fluoranthene	18	26.46	0.00	4	309.00	24.74
Biphenyl	4	7.00	4.16	4	18.67	1.00
Bis(2-ethylhexyl)phthalate	14	107.00	0.00	6	540.00	73.40
Butyl benzyl phthalate	14	0.00	0.00	0	.	.
BHC	83	0.41	0.00	4	29.00	1.00
Cadmium	159	825.20	560.00	147	6530.00	0.09
Chlordane	25	0.29	0.00	6	2.00	0.50
Chromium	52	43272.07	39425.00	49	118196.7	1.00
Chrysene	35	2835.66	49.00	20	76000.00	27.00
Copper	56	74076.57	46900.00	56	577190.0	7.80
Cresol, m-	1	0.24	0.24	1	0.24	0.24
Cresol, o	1	0.24	0.24	1	0.24	0.24
Di-n-butyl phthalate	14	11.88	0.00	4	59.00	24.50
Di-n-octyl phthalate	14	0.00	0.00	0	.	.
Dibenzo(a,h)anthracene	28	21.60	0.00	9	122.22	11.00
Dieldrin	20	0.10	0.00	1	2.00	2.00
Diethyl phthalate	14	0.00	0.00	0	.	.
Dimethyl phthalate	14	1.63	0.00	1	22.80	22.80
Dimethylphenol, 2,4-	19	0.00	0.00	0	.	.
DDT	123	227.99	0.00	60	24000.00	1.00
Endosulfan, alpha-	19	0.00	0.00	0	.	.
Endosulfan, beta-	19	0.00	0.00	0	.	.
Endrin	19	0.86	0.00	1	16.30	16.30
Fluoranthene	35	7368.47	58.70	21	233000.0	28.00
Fluorene	27	202.19	0.00	12	4500.00	2.00
Heptachlor	26	0.90	0.00	5	15.00	1.50
Heptachlor epoxide	22	0.03	0.00	3	0.39	0.11
Hexachlorobenzene	4	0.99	1.06	4	1.26	0.60
Hexachlorobutadiene	1	2.40	2.40	1	2.40	2.40
HMW_PAHs	1	0.00	0.00	0	.	.
Indeno(1,2,3-cd)pyrene	33	16.74	0.00	8	120.00	1.90
Lead	53	44624.92	33500.00	50	170400.0	1.00

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
LMW_PAHs	1	840.00	840.00	1	840.00	840.00
Mercury	55	3481.85	190.00	49	81300.00	18.00
Methylnaphthalene, 2-	1	170.00	170.00	1	170.00	170.00
Mirex/Dechlorane	2	1.83	1.83	2	1.83	1.82
Naphthalene	26	10.92	0.00	8	102.71	3.00
Nickel	47	25405.42	24100.00	45	62800.00	1.50
Pentachlorophenol	20	0.00	0.00	0	.	.
Phenanthrene	34	536.20	0.00	16	11208.00	15.00
Phenol	19	0.00	0.00	0	.	.
Polychlorinated biphenyls	160	11.25	0.00	14	470.00	11.00
Pyrene	35	2220.10	109.50	23	47000.00	21.00
Silver	45	504.24	430.00	32	2850.00	46.00
Toxaphene	19	0.00	0.00	0	.	.
Zinc	48	133061.2	105000.0	46	876000.0	2.40

Tissue Residue Data: Chemical Summary

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Cadmium	3	19572.22	20460.00	3	22030.00	16226.67
Chromium	3	4040.00	3813.33	3	5213.33	3093.33
Copper	3	17617.78	18156.67	3	18820.00	15876.67
Mercury	3	3318.89	1313.33	3	7970.00	673.33

Biotoxicity Data

Lat. Long.	Date	Species Name	Phase	% Mortality		Sign.
				Test	Control	
Monitoring Program: EPA Region 9 Dredged Material Program						
33.7356 118.1833	91-11-21	Ampelisca Abdita	S	15.00	4.00	no
		Macoma Nasuta	S	1.33	0.00	no
		Nephtys Caecoides	S	8.50	10.00	no
		Nephtys Caecoides	S	16.00	2.00	no
33.7431 118.1944	85-06-11	Macoma Nasuta	S	6.00	3.00	no
33.7486 118.2069	81-12-01	Macoma Nasuta	S	0.00	0.00	no
		Neanthes Arenacedonta	S	25.00	9.00	no
33.7486 118.2417	81-08-01	Neanthes Arenacedonta	S	1.00	2.00	no
		Protothaca Staminea	S	2.00	2.00	no
33.7514 118.2389	81-08-01	Neanthes Arenacedonta	S	2.50	2.00	no
		Protothaca Staminea	S	1.00	2.00	no
33.7525 118.2381	81-08-01	Metamysidopsis Elongata	S	14.00	12.00	no
		Neanthes Arenacedonta	S	2.00	2.00	no
		Protothaca Staminea	S	2.00	2.00	no

Lat.	Long.	Date	Species Name	Phase	% Mortality		Sign.
					Test	Control	
33.7539	118.2361	86-09-23	Holmesimysis Sculpta	S	34.00	7.00	Yes
			Macoma Nasuta	S	1.00	0.00	no
			Neanthes Arenacedonta	S	4.50	2.50	no
33.7561	118.1939	87-09-04	Holmesimysis Sculpta	E	3.33	0.00	no
			Macoma Nasuta	S	3.00	0.00	no
			Sandab Speckled	E	0.00	0.00	no
33.7578	118.1939	87-09-04	Holmesimysis Sculpta	E	10.00	0.00	no
			Macoma Nasuta	S	6.00	0.00	no
			Sandab Speckled	E	10.00	0.00	no
33.7592	118.2008	87-09-04	Holmesimysis Sculpta	E	6.67	0.00	no
			Macoma Nasuta	S	3.00	0.00	no
			Sandab Speckled	E	0.00	0.00	no
33.7603	118.2008	87-09-04	Holmesimysis Sculpta	E	0.00	0.00	no
			Macoma Nasuta	S	4.00	0.00	no
			Sandab Speckled	E	0.00	0.00	no
33.7625	118.2044	87-09-04	Holmesimysis Sculpta	E	0.00	0.00	no
			Macoma Nasuta	S	4.00	0.00	no
			Sandab Speckled	E	0.00	0.00	no
33.7625	118.2208	82-03-15	Macoma Nasuta	S	0.00	0.00	no
			Neanthes Arenacedonta	S	6.00	10.00	no
33.7633	118.2472	81-06-01	Neanthes Arenacedonta	S	15.00	11.00	no
33.7664	118.2050	87-09-04	Holmesimysis Sculpta	E	6.67	0.00	no
			Macoma Nasuta	S	0.00	0.00	no
			Sandab Speckled	E	0.00	0.00	no
33.7694	118.2181	80-01-31	Acartia Spp.	E	33.33	13.33	no
			Holmesimysis Sculpta	E	30.00	20.00	no
			Holmesimysis Sculpta	E	33.33	13.33	no
			Macoma Nasuta	S	3.00	4.00	no
			Macoma Nasuta	S	3.00	7.00	no
			Neanthes Arenacedonta	S	12.00	4.00	no
			Neanthes Arenacedonta	S	12.00	8.00	no
			Sandab Speckled	E	0.00	0.00	no
33.7694	118.2236	82-03-15	Macoma Nasuta	S	0.00	0.00	no
			Neanthes Arenacedonta	S	3.00	10.00	no