

**Table 4-10a. ESTIMATED MASS POLLUTANT LOADING
BALLONA CREEK
MONITORED WATERSHED**

LANDUSE

HDSFR.....	40.0%
Light Ind.....	3.5%
Vacant.....	11.1%
Retail/Comm.....	9.9%
Multi-Fam.Res....	12.3%
Transportation....	1.5%
Education.....	2.7%
Mixed Residential.	6.7%
All Other.....	12.3%

Total Area: 88.8 mi.²

GROUP	CONSTITUENT	SEASONAL LOAD (lb.)					
		1994-95	1995-96	1996-97	1997-98*	1998-99	1999-2000
GENERAL MINERALS	Suspended Solids	n/a	n/a	6,550,000	13,200,000	5,840,000	9,290,000
HEAVY METALS (DISSOLVED)	Dissolved Cadmium	n/a	n/a	n/m	n/m	n/m	n/m
	Dissolved Copper	n/a	n/a	136	1,510	271	483
	Dissolved Lead	n/a	n/a	n/m	967	n/m	n/m
	Dissolved Zinc	n/a	n/a	n/m	7,710	1,460	n/m
HEAVY METALS (TOTAL)	Total Copper	n/a	n/a	724	1,960	533	878
	Total Lead	n/a	n/a	528	1,750	189	269
	Total Mercury	n/a	n/a	n/m	24.9	n/m	n/m
	Total Zinc	n/a	n/a	4,840	19,000	2,790	3,990
PESTICIDES	Chlorpyrifos	n/a	n/a	n/m	n/m	n/m	n/m
	Diazinon	n/a	n/a	n/m	n/m	3.06	n/m
MISCELLANEOUS	Cyanide	n/m	n/a	n/m	n/m	n/m	n/m
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	n/a	n/a	460	774	679	n/m

1999-2000 Additional Constituents of Concern

GENERAL MINERALS	Total Dissolved Solids	n/m	n/a	4,200,000	11,030,000	6,340,000	11,300,000
HEAVY METALS	Total Aluminum	n/m	n/a	n/m	115,000	13,000	18,600
	Dissolved Nickel	n/m	n/a	174	562	n/m	n/m
	Nickel	n/m	n/a	241	343	198	310
PAHs	Phenanthrene	n/m	n/a	n/m	n/m	n/m	n/m
	Pyrene	n/m	n/a	n/m	n/m	n/m	n/m
NUTRIENTS	Dissolved Phosphorus	n/m	n/a	10,000	15,500	6,850	14,700
	Total Phosphorus	n/m	n/a	25,400	17,100	10,200	19,500
	NH3-N	n/m	n/a	10,800	31,400	10,800	28,400
	Nitrate-N	n/m	n/a	29,200	45,400	23,900	70,000
	Nitrite-N	n/m	n/a	3,650	5,180	5,300	7,700
	TKN	n/m	n/a	101,000	119,000	130,000	154,000

Note: n/m = Not meaningful, not enough data above detection limit collected.

n/a = No data available.

* = The automated sampler was out of service the month of February, 1998.

**Table 4-10b. ESTIMATED MASS POLLUTANT LOADING
MALIBU CREEK
MONITORED WATERSHED**

LANDUSE

HDSFR.....	5.7%
Light Ind.....	0.3%
Vacant.....	79.3%
Retail/Comm.....	0.5%
Multi-Fam.Res....	1.3%
Transportation....	0.5%
Education.....	0.5%
Mixed Residential.	0%
All Other.....	11.9%

Total Area: 105 mi.²

GROUP	CONSTITUENT	SEASONAL LOAD (lb.)					
		1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000
GENERAL MINERALS	Suspended Solids	n/a	n/a	n/a	88,400,000	122,000	2,840,000
HEAVY METALS (DISSOLVED)	Dissolved Cadmium	n/m	n/a	n/a	124	n/m	n/m
	Dissolved Copper	n/m	n/a	n/a	984	n/m	39.9
	Dissolved Lead	n/m	n/a	n/a	n/m	n/m	n/m
	Dissolved Zinc	n/m	n/a	n/a	5,190	n/m	n/m
HEAVY METALS (TOTAL)	Total Copper	n/m	n/a	n/a	3950	9.59	82.6
	Total Lead	n/m	n/a	n/a	2550	n/m	n/m
	Total Mercury	n/m	n/a	n/a	n/m	n/m	n/m
	Total Zinc	n/m	n/a	n/a	12,300	n/m	n/m
PESTICIDES	Chlorpyrifos	n/a	n/a	n/a	n/m	n/m	n/m
	Diazinon	n/a	n/a	n/a	n/m	n/m	n/m
MISCELLANEOUS	Cyanide	n/m	n/a	n/a	n/m	n/m	n/m
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	n/a	n/a	n/a	2,340	32.7	56.2

1999-2000 Additional Constituents of Concern

GENERAL MINERALS	Total Dissolved Solids	n/m	n/a	n/a	72,500,000	1,320,000	11,300,000
HEAVY METALS	Total Aluminum	n/m	n/a	n/a	948,000	332	1,930
	Dissolved Nickel	n/m	n/a	n/a	1,190	3.82	38.7
	Nickel	n/m	n/a	n/a	3,520	6.12	105
PAHs	Phenanthrene	n/m	n/a	n/a	n/m	n/m	0.495
	Pyrene	n/m	n/a	n/a	n/m	n/m	1.76
NUTRIENTS	Dissolved Phosphorus	n/m	n/a	n/a	61,400	512	5,850
	Total Phosphorus	n/m	n/a	n/a	76,400	543	6,750
	NH3-N	n/m	n/a	n/a	26,200	165	927
	Nitrate-N	n/m	n/a	n/a	207,000	3,750	38,100
	Nitrite-N	n/m	n/a	n/a	n/m	n/m	n/m
	TKN	n/m	n/a	n/a	259,000	2,300	15,600

Note: n/m = Not meaningful, not enough data above detection limit collected.
n/a = No data available.

**Table 4-10c. ESTIMATED MASS POLLUTANT LOADING
LOS ANGELES RIVER
MONITORED WATERSHED**

LANDUSE

HDSFR.....	28.8%
Light Ind.....	5.1%
Vacant.....	40.4%
Retail/Comm.....	3.6%
Multi-Fam.Res....	3.5%
Transportation....	2.4%
Education.....	1.9%
Mixed Residential.	1.8%
All Other.....	12.5%

Total Area: 825 mi.²

GROUP	CONSTITUENT	SEASONAL LOAD (lb.)					
		1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000
GENERAL MINERALS	Suspended Solids	n/a	n/a	53,500,000	444,000,000	34,400,000	16,800,000
HEAVY METALS (DISSOLVED)	Dissolved Cadmium	n/a	n/a	n/m	2,670	n/m	n/m
	Dissolved Copper	n/a	n/a	n/m	56,100	991	290
	Dissolved Lead	n/a	n/a	n/m	103,000	n/m	161
	Dissolved Zinc	n/a	n/a	n/m	336,000	n/m	n/m
HEAVY METALS (TOTAL)	Total Copper	n/a	n/a	8,000	81,000	2,370	631
	Total Lead	n/a	n/a	8,290	208,000	n/m	457
	Total Mercury	n/a	n/a	n/m	n/m	n/m	n/m
	Total Zinc	n/a	n/a	36,800	463,000	13,400	2,230
PESTICIDES	Chlorpyrifos	n/a	n/a	n/m	n/m	n/m	n/m
	Diazinon	n/a	n/a	n/m	n/m	n/m	n/m
MISCELLANEOUS	Cyanide	n/a	n/a	n/m	n/m	n/m	n/m
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	n/a	n/a	n/m	20,600	n/a	n/m

1999-2000 Additional Constituents of Concern

GENERAL MINERALS	Total Dissolved Solids	n/a	n/a	21,900,000	76,400,000	34,200,000	6,090,000
HEAVY METALS	Total Aluminum	n/a	n/a	361,000	8,890,000	183,000	25,300
	Dissolved Nickel	n/a	n/a	385	13,400	373	226
	Nickel	n/a	n/a	2,280	22,000	737	302
PAHs	Phenanthrene	n/a	n/a	n/m	n/m	n/m	n/m
	Pyrene	n/a	n/a	n/m	n/m	n/m	n/m
NUTRIENTS	Dissolved Phosphorus	n/a	n/a	54,200	530,000	46,400	15,100
	Total Phosphorus	n/a	n/a	180,000	683,000	58,800	20,800
	NH3-N	n/a	n/a	84,800	732,000	23,700	6,860
	Nitrate-N	n/a	n/a	224,000	533,000	67,300	39,300
	Nitrite-N	n/a	n/a	17,600	91,400	37,300	6,430
	TKN	n/a	n/a	747,000	3,540,000	399,000	119,000

Note: n/m = Not meaningful, not enough data above detection limit collected.
n/a = No data available.

**Table 4-10d. ESTIMATED MASS POLLUTANT LOADING
SAWPIT CREEK
MONITORED WATERSHED**

LANDUSE

HDSFR.....	0%
Light Ind.....	0%
Vacant.....	98.0%
Retail/Comm.....	0%
Multi-Fam.Res....	0%
Transportation.....	0%
Education.....	0%
Mixed Residential.	0%
All Other.....	2.0%

Total Area: 5.18 mi.²

GROUP	CONSTITUENT	SEASONAL LOAD (lb.)					
		1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000
GENERAL MINERALS	Suspended Solids	n/a	n/a	15,900	16,200	1,580	53,200
HEAVY METALS (DISSOLVED)	Dissolved Cadmium	n/a	n/a	n/m	n/m	n/m	n/m
	Dissolved Copper	n/a	n/a	n/m	n/m	n/m	n/m
	Dissolved Lead	n/a	n/a	n/m	n/m	n/m	n/m
	Dissolved Zinc	n/a	n/a	n/m	n/m	n/m	n/m
HEAVY METALS (TOTAL)	Total Copper	n/a	n/a	3.73	18.6	n/m	1,090
	Total Lead	n/a	n/a	n/m	n/m	n/m	n/m
	Total Mercury	n/a	n/a	n/m	n/m	n/m	n/m
	Total Zinc	n/a	n/a	13.2	53.8	n/m	n/m
PESTICIDES	Chlorpyrifos	n/a	n/a	n/m	n/m	n/m	n/m
	Diazinon	n/a	n/a	n/m	n/m	n/m	n/m
MISCELLANEOUS	Cyanide	n/a	n/a	n/m	n/m	n/m	n/m
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	n/a	n/a	4.51	14.9	5.60	979

1999-2000 Additional Constituents of Concern

GENERAL MINERALS	Total Dissolved Solids	n/a	n/a	76,500	169,000	23,100	40,000
HEAVY METALS	Total Aluminum	n/a	n/a	n/m	3,270,000	15,500	103,000
	Dissolved Nickel	n/a	n/a	n/m	n/m	n/m	n/m
	Nickel	n/a	n/a	1,290	n/m	n/m	796
PAHs	Phenanthrene	n/a	n/a	n/m	n/m	n/m	n/m
	Pyrene	n/a	n/a	n/m	n/m	n/m	n/m
NUTRIENTS	Dissolved Phosphorus	n/a	n/a	30.0	145	n/m	7.46
	Total Phosphorus	n/a	n/a	54.8	170	n/m	18.2
	NH3-N	n/a	n/a	n/m	75.3	n/m	n/m
	Nitrate-N	n/a	n/a	512	642	67.3	282
	Nitrite-N	n/a	n/a	19.0	n/m	n/m	4.15
	TKN	n/a	n/a	339	554	70.7	182

Note: n/m = Not meaningful, not enough data above detection limit collected.
n/a = No data available.

**Table 4-10e. ESTIMATED MASS POLLUTANT LOADING
COYOTE CREEK
MONITORED WATERSHED**

LANDUSE

HDSFR.....	38.3%
Light Ind.....	8.4%
Vacant.....	14.3%
Retail/Comm.....	5.6%
Multi-Fam.Res....	6.1%
Transportation....	1.8%
Education.....	4.3%
Mixed Residential.	0.2%
All Other.....	21.0%

Total Area: 150 mi.²

GROUP	CONSTITUENT	SEASONAL LOAD (lb.)					
		1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000
GENERAL MINERALS	Suspended Solids	n/a	n/a	n/a	93,100,000	4,610,000	17,700,000
HEAVY METALS (DISSOLVED)	Dissolved Cadmium	n/a	n/a	n/a	191	n/m	n/m
	Dissolved Copper	n/a	n/a	n/a	5,180	162	364
	Dissolved Lead	n/a	n/a	n/a	3,230	n/m	n/m
	Dissolved Zinc	n/a	n/a	n/a	38,500	1,060	n/m
HEAVY METALS (TOTAL)	Total Copper	n/a	n/a	n/a	7,110	445	645
	Total Lead	n/a	n/a	n/a	4,770	n/m	n/m
	Total Mercury	n/a	n/a	n/a	n/m	n/m	n/m
	Total Zinc	n/a	n/a	n/a	56,600	2,090	2,260
PESTICIDES	Chlorpyrifos	n/a	n/a	n/a	n/m	n/m	n/m
	Diazinon	n/a	n/a	n/a	n/m	n/m	1.11
MISCELLANEOUS	Cyanide	n/a	n/a	n/a		n/m	n/m
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	n/a	n/a	n/a	2,970	n/m	n/m

1999-2000 Additional Constituents of Concern

GENERAL MINERALS	Total Dissolved Solids	n/a	n/a	n/a	38,300,000	12,100,000	16,700,000
HEAVY METALS	Total Aluminum	n/a	n/a	n/a	518,000	19,700	17,300
	Dissolved Nickel	n/a	n/a	n/a	1,270	n/m	n/m
	Nickel	n/a	n/a	n/a	2,220	178	284
PAHs	Phenanthrene	n/a	n/a	n/a	n/m	n/m	n/m
	Pyrene	n/a	n/a	n/a	n/m	n/m	n/m
NUTRIENTS	Dissolved Phosphorus	n/a	n/a	n/a	75,100	5,620	16,500
	Total Phosphorus	n/a	n/a	n/a	97,100	6,700	25,000
	NH3-N	n/a	n/a	n/a	141,000	19,500	52,500
	Nitrate-N	n/a	n/a	n/a	147,000	55,800	85,400
	Nitrite-N	n/a	n/a	n/a	29,300	5,540	19,800
	TKN	n/a	n/a	n/a	725,000	112,000	169,000

Note: n/m = Not meaningful, not enough data above detection limit collected.
n/a = No data available.

**Table 4-10f. ESTIMATED MASS POLLUTANT LOADING
SAN GABRIEL RIVER
MONITORED WATERSHED**

LANDUSE

HDSFR.....	15.2%
Light Ind.....	2.3%
Vacant.....	66.7%
Retail/Comm.....	1.5%
Multi-Fam.Res....	1.4%
Transportation....	1.0%
Education.....	1.6%
Mixed Residential.	0.1%
All Other.....	10.2%

Total Area: 450 mi.²

GROUP	CONSTITUENT	SEASONAL LOAD (lb.)					
		1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000
GENERAL MINERALS	Suspended Solids	n/a	n/a	n/a	28,700,000	2,810,000	1,380,000
HEAVY METALS (DISSOLVED)	Dissolved Cadmium	n/a	n/a	n/a	n/m	n/m	n/m
	Dissolved Copper	n/a	n/a	n/a	1,120	n/m	n/m
	Dissolved Lead	n/a	n/a	n/a	901	n/m	n/m
	Dissolved Zinc	n/a	n/a	n/a	8,840	1,090	n/m
HEAVY METALS (TOTAL)	Total Copper	n/a	n/a	n/a	2,180	252	75.8
	Total Lead	n/a	n/a	n/a	1,340	n/m	n/m
	Total Mercury	n/a	n/a	n/a	n/m	n/m	n/m
	Total Zinc	n/a	n/a	n/a	14,800	1,730	n/m
PESTICIDES	Chlorpyrifos	n/a	n/a	n/a	n/m	n/m	n/m
	Diazinon	n/a	n/a	n/a	n/m	n/m	0.183
MISCELLANEOUS	Cyanide	n/a	n/a	n/a	2,230	1,240	n/m
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	n/a	n/a	n/a	1,390	n/m	n/m

1999-2000 Additional Constituents of Concern

GENERAL MINERALS	Total Dissolved Solids	n/a	n/a	n/a	22,200,000	15,500,000	2,740,000
HEAVY METALS	Total Aluminum	n/a	n/a	n/a	400,000	8,140	4,120
METALS	Dissolved Nickel	n/a	n/a	n/a	449	n/m	n/m
	Nickel	n/a	n/a	n/a	791	n/m	48.0
PAHs	Phenanthrene	n/a	n/a	n/a	n/m	n/m	n/m
	Pyrene	n/a	n/a	n/a	n/m	n/m	n/m
NUTRIENTS	Dissolved Phosphorus	n/a	n/a	n/a	42,500	15,500	2,310
	Total Phosphorus	n/a	n/a	n/a	52,100	17,700	2,710
	NH3-N	n/a	n/a	n/a	136,000	43,900	n/m
	Nitrate-N	n/a	n/a	n/a	135,000	72,200	16,700
	Nitrite-N	n/a	n/a	n/a	26,700	19,800	2,870
	TKN	n/a	n/a	n/a	310,000	134,000	15,000

Note: n/m = Not meaningful, not enough data above detection limit collected.
n/a = No data available.