

Appendix C
Chollas Creek Sediment Metals

Used in the Chollas Creek Metals Total Maximum Daily Load

California Regional Water Quality Control Board, San Diego Region

March 9, 2007

Appendix C: Chollas Creek Sediment Metals (Cd, Cu, Pb and Zn)

Sample Date	Station ID	Cadmium			Copper			Lead			Zinc			Comments	Reference
		Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg		
23-Sep-94	PREBAY1	0.5	EPA/SW-846 6017	5 (MDL)	33.0	EPA/SW-846 6017	0.2 (MDL)	57.0	EPA/SW-846 6017	1 (MDL)	120	EPA/SW-846 6017	5 (MDL)	dry weight	City of San Diego and Co-Permittee NPDES Stormwater Monitoring Program Report 1994-1995
23-Sep-94	PREBAY2	ND	EPA/SW-846 6017	5 (MDL)	42.0	EPA/SW-846 6017	0.2 (MDL)	50.0	EPA/SW-846 6017	1 (MDL)	140	EPA/SW-846 6017	5 (MDL)	dry weight	
23-Sep-94	PREBAY3	0.6	EPA/SW-846 6017	5 (MDL)	430.0	EPA/SW-846 6017	0.2 (MDL)	64.0	EPA/SW-846 6017	1 (MDL)	170	EPA/SW-846 6017	5 (MDL)	dry weight	
25-Sep-94	PRECREEK1	ND	EPA/SW-846 6017	0.5 (MDL)	9.6	EPA/SW-846 6017	0.5 (MDL)	10.0	EPA/SW-846 6017	0.5 (MDL)	27	EPA/SW-846 6017	0.2 (MDL)	dry weight	
09-May-95	POSTCREEK1	0.1	EPA/SW-846 6017	0.5 (MDL)	6.4	EPA/SW-846 6017	0.5 (MDL)	14.0	EPA/SW-846 6017	0.5 (MDL)	29	EPA/SW-846 6017	0.2 (MDL)	dry weight	
10-May-95	POSTBAY1	1.2	EPA/SW-846 6017	5 (MDL)	67.0	EPA/SW-846 6017	0.2 (MDL)	150.0	EPA/SW-846 6017	1 (MDL)	190	EPA/SW-846 6017	5 (MDL)	dry weight	
10-May-95	POSTBAY2	0.8	EPA/SW-846 6017	5 (MDL)	59.0	EPA/SW-846 6017	0.2 (MDL)	71.0	EPA/SW-846 6017	1 (MDL)	160	EPA/SW-846 6017	5 (MDL)	dry weight	
10-May-95	POSTBAY3	1.4	EPA/SW-846 6017	5 (MDL)	76.0	EPA/SW-846 6017	0.2 (MDL)	120.0	EPA/SW-846 6017	1 (MDL)	220	EPA/SW-846 6017	5 (MDL)	dry weight	
28-Sep-96	1A/1B	<0.080	EPA/SW-846 6010	.5 (LDL)	186.0	EPA/SW-846 6010	.5 (LDL)	54.5	EPA/SW-846 7471	.5 (LDL)	137	EPA/SW-846 6010	2 (LDL)	dry weight	City of San Diego and Co-Permittee NPDES Stormwater Monitoring Program 1995-1996
28-Sep-96	2A/2B	<0.080	EPA/SW-846 6010	.5 (LDL)	38.6	EPA/SW-846 6010	.5 (LDL)	55.5	EPA/SW-846 7471	.5 (LDL)	118	EPA/SW-846 6010	2 (LDL)	dry weight	
28-Sep-96	3A/3B	<0.080	EPA/SW-846 6010	.5 (LDL)	37.8	EPA/SW-846 6010	.5 (LDL)	36.8	EPA/SW-846 7471	.5 (LDL)	97.2	EPA/SW-846 6010	2 (LDL)	dry weight	
28-Sep-96	Chollas	<0.080	EPA/SW-846 6010	.5 (LDL)	3.7	EPA/SW-846 6010	.5 (LDL)	23.2	EPA/SW-846 7471	.5 (LDL)	24.2	EPA/SW-846 6010	2 (LDL)	dry weight	
02-May-96	1A/1B	<0.5	EPA/SW-846 6010	.5 (LDL)	32.7	EPA/SW-846 6010	.5 (LDL)	46.3	EPA/SW-846 7471	.5 (LDL)	141	EPA/SW-846 6010	2 (LDL)	dry weight	
02-May-96	2A/2B	<0.5	EPA/SW-846 6010	.5 (LDL)	35.7	EPA/SW-846 6010	.5 (LDL)	36.7	EPA/SW-846 7471	.5 (LDL)	102	EPA/SW-846 6010	2 (LDL)	dry weight	
02-May-96	3A/3B	<0.5	EPA/SW-846 6010	.5 (LDL)	40.0	EPA/SW-846 6010	.5 (LDL)	38.2	EPA/SW-846 7471	.5 (LDL)	105	EPA/SW-846 6010	2 (LDL)	dry weight	
02-May-96	Chollas	<0.5	EPA/SW-846 6010	.5 (LDL)	3.1	EPA/SW-846 6010	.5 (LDL)	54.1	EPA/SW-846 7471	.5 (LDL)	21.6	EPA/SW-846 6010	2 (LDL)	dry weight	
19-Sep-96	1A/1B	<1.0	EPA/SW-846 6010	0.5 (RL)	47.3	EPA/SW-846 6010	0.5 (RL)	47.3	EPA/SW-846 7471	0.5 (RL)	134	EPA/SW-846 6010	2 (RL)	dry weight	City of San Diego and Co-Permittee NPDES Stormwater Monitoring Program Report 1996-1997
19-Sep-96	2A/2B	<1.0	EPA/SW-846 6010	0.5 (RL)	54.2	EPA/SW-846 6010	0.5 (RL)	32.0	EPA/SW-846 7471	0.5 (RL)	107	EPA/SW-846 6010	2 (RL)	dry weight	
19-Sep-96	3A/3B	<1.0	EPA/SW-846 6010	0.5 (RL)	58.6	EPA/SW-846 6010	0.5 (RL)	37.3	EPA/SW-846 7471	0.5 (RL)	111	EPA/SW-846 6010	2 (RL)	dry weight	
19-Sep-96	Chollas	<0.5	EPA/SW-846 6010	0.5 (RL)	3.6	EPA/SW-846 6010	0.5 (RL)	9.0	EPA/SW-846 7471	0.5 (RL)	28.8	EPA/SW-846 6010	2 (RL)	dry weight	
01-May-97	1A/1B	0.6	EPA/SW-846 6010	0.5 (RL)	51.5	EPA/SW-846 6010	0.5 (RL)	31.6	EPA/SW-846 7471	0.5 (RL)	132	EPA/SW-846 6010	2 (RL)	dry weight	
01-May-97	2A/2B	<0.4	EPA/SW-846 6010	0.5 (RL)	55.3	EPA/SW-846 6010	0.5 (RL)	48.5	EPA/SW-846 7471	0.5 (RL)	139	EPA/SW-846 6010	2 (RL)	dry weight	
01-May-97	3A/3B	<0.4	EPA/SW-846 6010	0.5 (RL)	58.4	EPA/SW-846 6010	0.5 (RL)	45.7	EPA/SW-846 7471	0.5 (RL)	156	EPA/SW-846 6010	2 (RL)	dry weight	
01-May-97	Chollas	<0.4	EPA/SW-846 6010	0.5 (RL)	3.1	EPA/SW-846 6010	0.5 (RL)	5.3	EPA/SW-846 7471	0.5 (RL)	27.4	EPA/SW-846 6010	2 (RL)	dry weight	
29-Sep-97	1A/1B	<0.5	EPA 6010	0.25 (DL)	67.9	EPA 6010	5 (DL)	53.9	EPA 6010	1 (DL)	179	EPA 6010	25 (DL)	assume dry weight	
29-Sep-97	2A/2B	<0.5	EPA 6010	0.25 (DL)	60.7	EPA 6010	5 (DL)	39.2	EPA 6010	1 (DL)	144	EPA 6010	25 (DL)	assume dry weight	

Appendix C: Chollas Creek Sediment Metals (Cd, Cu, Pb and Zn)

Sample Date	Station ID	Cadmium			Copper			Lead			Zinc			Comments	Reference
		Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg		
29-Sep-97	3A/3B	<0.5	EPA 6010	0.25 (DL)	69.6	EPA 6010	5 (DL)	76.0	EPA 6010	1 (DL)	157	EPA 6010	25 (DL)	assume dry weight	City of San Diego and Co-Permittee NPDES Stormwater Monitoring Program Report 1997- 1998
30-Sep-97	Chollas	<0.5	EPA 6010	0.25 (DL)	7.9	EPA 6010	5 (DL)	9.0	EPA 6010	1 (DL)	29	EPA 6010	25 (DL)	assume dry weight	
05-May-98	1A/1B	<0.5	EPA 213.1	0.05 (DL)	59.0	EPA 220.1	0.05 (DL)	110.0	EPA 239.1	0.05 (DL)	202	EPA 289.1	0.05 (DL)	assume dry weight	
05-May-98	2A/2B	<0.5	EPA 213.1	0.05 (DL)	72.0	EPA 220.1	0.05 (DL)	130.0	EPA 239.1	0.05 (DL)	190	EPA 289.1	0.05 (DL)	assume dry weight	
05-May-98	3A/3B	<0.5	EPA 213.1	0.05 (DL)	40.0	EPA 220.1	0.05 (DL)	67.0	EPA 239.1	0.05 (DL)	102	EPA 289.1	0.05 (DL)	assume dry weight	
15-May-98	Chollas	<0.5	EPA 213.1	0.05 (DL)	<0.5	EPA 220.1	0.05 (DL)	0.8	EPA 239.1	0.05 (DL)	16.2	EPA 289.1	0.05 (DL)	assume dry weight	
18-Jun-98	978-270	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	26.8	EPA 6010	5.0 (DL)	wet weight	Lab Results. 18 June 98. Sampling by R. Kolb (P of SD) Truesdail Laboratories, Inc.
18-Jun-98	978-271	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	18.5	EPA 6010	5.0 (DL)	wet weight. Duplicate	
18-Jun-98	978-272	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	30.1	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-273	ND	EPA 6010	5.0 (DL)	6.2	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	45.6	EPA 6010	5.0 (DL)	wet weight. Duplicate	
18-Jun-98	978-274	ND	EPA 6010	5.0 (DL)	9.1	EPA 6010	5.0 (DL)	29.9	EPA 6010	12.5 (DL)	35.8	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-275	ND	EPA 6010	5.0 (DL)	32.7	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	33.6	EPA 6010	5.0 (DL)	wet weight. Duplicate	
18-Jun-98	978-276	ND	EPA 6010	5.0 (DL)	35.8	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	28.6	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-278	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	25.0	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-279	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	73.5	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-280	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	55.1	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-281	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	67.2	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-282	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	53.9	EPA 6010	5.0 (DL)	wet weight. Duplicate	
18-Jun-98	978-283	ND	EPA 6010	5.0 (DL)	10.7	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	95.9	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-284	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	50.9	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	278-285	ND	EPA 6010	5.0 (DL)	25.4	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	69.9	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-286	ND	EPA 6010	5.0 (DL)	5.6	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	125.0	EPA 6010	5.0 (DL)	wet weight. Duplicate	
18-Jun-98	978-287	ND	EPA 6010	5.0 (DL)	5.6	EPA 6010	5.0 (DL)	12.5	EPA 6010	12.5 (DL)	75.1	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-288	ND	EPA 6010	5.0 (DL)	9.1	EPA 6010	5.0 (DL)	25.3	EPA 6010	12.5 (DL)	88.9	EPA 6010	5.0 (DL)	wet weight. Duplicate	
18-Jun-98	978-289	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	36.0	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-290	ND	EPA 6010	5.0 (DL)	13.5	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	44.9	EPA 6010	5.0 (DL)	wet weight. Duplicate	

Appendix C: Chollas Creek Sediment Metals (Cd, Cu, Pb and Zn)

Sample Date	Station ID	Cadmium			Copper			Lead			Zinc			Comments	Reference
		Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg		
18-Jun-98	978-291	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	27.9	EPA 6010	12.5 (DL)	61.8	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-292	ND	EPA 6010	5.0 (DL)	7.0	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	40.1	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-293	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	42.2	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-294	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	24.8	EPA 6010	5.0 (DL)	wet weight	
18-Jun-98	978-295	ND	EPA 6010	5.0 (DL)	6.2	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	45.0	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-296	ND	EPA 6010	5.0 (DL)	5.1	EPA 6010	5.0 (DL)	23.0	EPA 6010	12.5 (DL)	56.9	EPA 6010	5.0 (DL)	wet weight	Lab Results. 19 June 98. Sampling by R. Kolb (P of SD) Truesdail Laboratories, Inc.
19-Jun-98	978-297	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	42.6	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-298	ND	EPA 6010	5.0 (DL)	5.4	EPA 6010	5.0 (DL)	53.5	EPA 6010	12.5 (DL)	67.9	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-299	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	13.8	EPA 6010	12.5 (DL)	56.2	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-300	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	51.4	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-301	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	26.0	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-302	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	44.3	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-303	ND	EPA 6010	5.0 (DL)	5.9	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	43.2	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-304	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	32.2	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-305	ND	EPA 6010	5.0 (DL)	9.7	EPA 6010	5.0 (DL)	20.8	EPA 6010	12.5 (DL)	112.0	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-306	ND	EPA 6010	5.0 (DL)	17.9	EPA 6010	5.0 (DL)	129.0	EPA 6010	12.5 (DL)	203.0	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-307	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	44.2	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-308	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	32.1	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-309	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	18.8	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-310	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	23.0	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-311	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	44.5	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-312	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	25.8	EPA 6010	5.0 (DL)	wet weight	
19-Jun-98	978-313	ND	EPA 6010	5.0 (DL)	9.0	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	42.6	EPA 6010	5.0 (DL)	wet weight	
26-Jun-98	978-314	ND	EPA 6010	0.4	13.7	EPA 6010	0.4	150.0	EPA 6010	1.0	72.8	EPA 6010	0.4	wet weight. analyzed on 28 Sep 98	
26-Jun-98	978-315	ND	EPA 6010	5.0 (DL)	8.2	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	88.8	EPA 6010	5.0 (DL)	wet weight	
26-Jun-98	978-316	?	EPA 6010	5.0 (DL)	?	EPA 6010	5.0 (DL)	?	EPA 6010	12.5 (DL)	?	EPA 6010	5.0 (DL)	wet weight. metals analysis requested, data report missing	

Appendix C: Chollas Creek Sediment Metals (Cd, Cu, Pb and Zn)

Sample Date	Station ID	Cadmium			Copper			Lead			Zinc			Comments	Reference
		Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg		
26-Jun-98	978-317	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	34.2	EPA 6010	5.0 (DL)	wet weight	Lab Results. 26 June 98. Sampling by R. Kolb (P of SD) Truesdail Laboratories, Inc.
26-Jun-98	978-318	1.1	EPA 6010	0.4	26.3	EPA 6010	0.4	36.7	EPA 6010	1.0	182.0	EPA 6010	0.4	wet weight. analyzed on 28 Sep 98	
26-Jun-98	978-319	ND	EPA 6010	0.4	6.1	EPA 6010	0.4	9.2	EPA 6010	1.0	53.8	EPA 6010	0.4	wet weight. analyzed on 28 Sep 98	
26-Jun-98	978-320	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	25.9	EPA 6010	5.0 (DL)	wet weight	
26-Jun-98	978-321	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	34.2	EPA 6010	5.0 (DL)	wet weight	
26-Jun-98	978-322	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	17.6	EPA 6010	5.0 (DL)	wet weight	
26-Jun-98	978-323	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	5.8	EPA 6010	12.5 (DL)	30.9	EPA 6010	5.0 (DL)	wet weight	
26-Jun-98	978-324	ND	EPA 6010	0.4	20.0	EPA 6010	0.4	1.7	EPA 6010	1.0	26.2	EPA 6010	0.4	wet weight. analyzed on 28 Sep 98	
26-Jun-98	978-325	ND	EPA 6010	0.4	4.0	EPA 6010	0.4	6.7	EPA 6010	1.0	24.3	EPA 6010	0.4	wet weight. analyzed on 28 Sep 98	
26-Jun-98	978-326	0.44	EPA 6010	0.4	9.1	EPA 6010	0.4	12.3	EPA 6010	1.0	81.1	EPA 6010	0.4	wet weight. analyzed on 28 Sep 98	
26-Jun-98	978-327	?	EPA 6010	5.0 (DL)	?	EPA 6010	5.0 (DL)	?	EPA 6010	12.5 (DL)	?	EPA 6010	5.0 (DL)	wet weight. metals analysis requested, data report missing	
26-Jun-98	978-328	?	EPA 6010	5.0 (DL)	?	EPA 6010	5.0 (DL)	?	EPA 6010	12.5 (DL)	?	EPA 6010	5.0 (DL)	wet weight. metals analysis requested, data report missing	
26-Jun-98	978-329	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	26.2	EPA 6010	5.0 (DL)	wet weight	
26-Jun-98	978-330	ND	EPA 6010	0.4	2.2	EPA 6010	0.4	ND	EPA 6010	1.0	16.0	EPA 6010	0.4	wet weight. analyzed on 28 Sep 98	
26-Jun-98	978-331	?	EPA 6010	5.0 (DL)	?	EPA 6010	5.0 (DL)	?	EPA 6010	12.5 (DL)	?	EPA 6010	5.0 (DL)	wet weight. metals analysis requested, data report missing	
26-Jun-98	978-332	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	5.7	EPA 6010	12.5 (DL)	21.9	EPA 6010	5.0 (DL)	wet weight	
26-Jun-98	978-333	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	20.2	EPA 6010	5.0 (DL)	wet weight	
26-Jun-98	978-334	ND	EPA 6010	5.0 (DL)	23.9	EPA 6010	5.0 (DL)	52.9	EPA 6010	12.5 (DL)	72.9	EPA 6010	5.0 (DL)	wet weight	
26-Jun-98	978-335	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	32.3	EPA 6010	5.0 (DL)	wet weight	
26-Jun-98	978-336	ND	EPA 6010	5.0 (DL)	7.1	EPA 6010	5.0 (DL)	34.7	EPA 6010	12.5 (DL)	52.9	EPA 6010	5.0 (DL)	wet weight	
26-Jun-98	978-337	22.9	EPA 6010	5.0 (DL)	ND	EPA 6010	5.0 (DL)	ND	EPA 6010	12.5 (DL)	20.9	EPA 6010	5.0 (DL)	wet weight	
28-Sep-98	1A/1B	<0.5	EPA 6010A	0.5	51.7	EPA 6010A	0.5	27.0	EPA 6010	0.5	143.0	EPA 6010A	0.5	assume dry weight	City of San Diego and Co-Permittee NPDES Stormwater Monitoring Program Report 1998- 1999
28-Sep-98	2A/2B	<0.5	EPA 6010A	0.5	83.6	EPA 6010A	0.5	34.8	EPA 6010	0.5	172.0	EPA 6010A	0.5	assume dry weight	
28-Sep-98	3A/3B	<0.5	EPA 6010A	0.5	57.9	EPA 6010A	0.5	31.8	EPA 6010	0.5	117.0	EPA 6010A	0.5	assume dry weight	
29-Sep-98	Chollas	<0.5	EPA 6010A	0.5	3.3	EPA 6010A	0.5	8.2	EPA 6010	0.5	260.0	EPA 6010A	0.5	assume dry weight	
10-May-99	1A/1B	2.5	EPA 6010A	0.5	103.0	EPA 6010A	0.5	52.0	EPA 6010	0.5	211.0	EPA 6010A	0.5	assume dry weight	
10-May-99	2A/2B	2.4	EPA 6010A	0.5	86.0	EPA 6010A	0.5	56.0	EPA 6010	0.5	205.0	EPA 6010A	0.5	assume dry weight	
10-May-99	3A/3B	1.8	EPA 6010A	0.5	84.0	EPA 6010A	0.5	46.0	EPA 6010	0.5	221.0	EPA 6010A	0.5	assume dry weight	
11-May-99	Chollas	0.5	EPA 6010A	0.5	22.0	EPA 6010A	0.5	73.0	EPA 6010	0.5	75.0	EPA 6010A	0.5	assume dry weight	

Appendix C: Chollas Creek Sediment Metals (Cd, Cu, Pb and Zn)

Sample Date	Station ID	Cadmium			Copper			Lead			Zinc			Comments	Reference
		Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg	Result mg/kg	Method	Limit mg/kg		
27-Sep-98	1A/1B	<0.5	EPA 6010A	0.5 (RL)	89.1	EPA 6010A	0.5 (RL)	52.4	EPA 6010	0.5 (RL)	172.0	EPA 6010A	0.5 (RL)	assume dry weight	City of San Diego and Co-Permittee NPDES Stormwater Monitoring Program Report 1999-2000
27-Sep-98	2A/2B	<0.5	EPA 6010A	0.5 (RL)	90.4	EPA 6010A	0.5 (RL)	68.0	EPA 6010	0.5 (RL)	166.0	EPA 6010A	0.5 (RL)	assume dry weight	
27-Sep-98	3A/3B	<0.5	EPA 6010A	0.5 (RL)	99.5	EPA 6010A	0.5 (RL)	76.8	EPA 6010	0.5 (RL)	173.0	EPA 6010A	0.5 (RL)	assume dry weight	
27-Sep-98	Chollas	0.8	EPA 6010A	0.5 (RL)	4.7	EPA 6010A	0.5 (RL)	23.2	EPA 6010	0.5 (RL)	32.7	EPA 6010A	0.5 (RL)	assume dry weight	
3-May-00	1A/1B	<0.5	EPA 6010A	0.5 (RL)	77.4	EPA 6010A	0.5 (RL)	82.4	EPA 6010	0.5 (RL)	186.0	EPA 6010A	0.5 (RL)	assume dry weight	
3-May-00	2A/2B	<0.5	EPA 6010A	0.5 (RL)	168.0	EPA 6010A	0.5 (RL)	79.5	EPA 6010	0.5 (RL)	253.0	EPA 6010A	0.5 (RL)	assume dry weight	
3-May-00	3A/3B	<0.5	EPA 6010A	0.5 (RL)	108.0	EPA 6010A	0.5 (RL)	76.3	EPA 6010	0.5 (RL)	261.0	EPA 6010A	0.5 (RL)	assume dry weight	
3-May-00	Chollas	<0.5	EPA 6010A	0.5 (RL)	26.0	EPA 6010A	0.5 (RL)	32.5	EPA 6010	0.5 (RL)	108.0	EPA 6010A	0.5 (RL)	assume dry weight	
2-Oct-00	1A/1B	<0.1	EPA 3050/6020	no info	4.6	EPA 3050/6020	no info	10.3	EPA 3050/6020	no info	33.0	EPA 3050/6020	no info	dry weight; 03-Oct-00 is before first rain; no post-rain data	City of San Diego and Co-Permittee NPDES Stormwater Monitoring Program Draft Report 2000-2001
2-Oct-00	2A/2B	0.3	EPA 3050/6020	no info	76.0	EPA 3050/6020	no info	46.5	EPA 3050/6020	no info	99.0	EPA 3050/6020	no info	dry weight; 03-Oct-00 is before first rain; no post-rain data	
2-Oct-00	3A/3B	0.4	EPA 3050/6020	no info	126.0	EPA 3050/6020	no info	68.4	EPA 3050/6020	no info	172.0	EPA 3050/6020	no info	dry weight; 03-Oct-00 is before first rain; no post-rain data	
3-Oct-00	Chollas	0.5	EPA 3050/6020	no info	116.0	EPA 3050/6020	no info	65.7	EPA 3050/6020	no info	172.0	EPA 3050/6020	no info	dry weight; 03-Oct-00 is before first rain; no post-rain data	
17 and 18 Jul 01	C14	1.4	-	-	94.9	-	-	103.0	-	-	347.0	-	-		Characterization of Sediment Toxicity in Chollas and Paleta Creek Toxic Hot Spot Sediments, San Diego Bay Summary Report, SCCWRP. 23 Apr 2003.
12-Sep-01	Chollas Creek North Fork	<0.1	EPA 3050/6020	0.1 (RL)	5.5	EPA 3050/6020	0.5 (RL)	7.9	EPA 3050/6020	0.5 (RL)	37.0	EPA 3050/6021	5 (RL)	dry weight; report also contains wet weight values (see Excel Comments)	City of San Diego and Co-Permittees NPDES Storm Water Monitoring Program Addendum 2000-2001
12-Sep-01	Chollas Creek South Fork	0.8	EPA 3050/6020	0.2 (RL)	41.6	EPA 3050/6020	0.8 (RL)	68.9	EPA 3050/6020	7.9 (RL)	252.0	EPA 3050/6022	79 (RL)	dry weight; report also contains wet weight values (see Excel Comments)	
12-Sep-01	Chollas Creek South Fork (Dup)	0.8	EPA 3050/6020	0.2 (RL)	40.9	EPA 3050/6020	0.8 (RL)	67.0	EPA 3050/6020	7.9 (RL)	269.0	EPA 3050/6023	79 (RL)	dry weight; report also contains wet weight values (see Excel Comments); duplicate	
12-Sep-01	Chollas Creek Downstream	0.2	EPA 3050/6020	0.1 (RL)	8.5	EPA 3050/6020	0.5 (RL)	17.4	EPA 3050/6020	0.5 (RL)	37.0	EPA 3050/6024	5 (RL)	dry weight; report also contains wet weight values (see Excel Comments)	

Appendix C: Sediment Sampling Stations in Chollas Creek

Date of Sampling	Station ID	Location	Sampler	Comments
18-Jun-98	978-270	S. Chollas u/s of confluence	RK	
18-Jun-98	978-271	S. Chollas u/s of confluence	BC	Duplicate
18-Jun-98	978-272	N. Chollas u/s of confluence	BC	
18-Jun-98	978-273	N. Chollas u/s of confluence	BC	Duplicate
18-Jun-98	978-274	Main Chollas d/s of confluence	BC	
18-Jun-98	978-275	Main Chollas d/s of confluence	BC	Duplicate
18-Jun-98	978-276	S. Chollas u/s of National Ave	RK	
18-Jun-98	978-278	S. Chollas d/s of National Ave	BC	
18-Jun-98	978-279	S. Chollas d/s of Imperial Ave	BC	
18-Jun-98	978-280	S. Chollas d/s of Imperial Ave in ditch	RK	
18-Jun-98	978-281	S. Chollas u/s of Imperial Ave	BC	
18-Jun-98	978-282	S. Chollas u/s of Imperial Ave	RK	Duplicate
18-Jun-98	978-283	S. Chollas u/s of 47th Street	BC	
18-Jun-98	978-284	S. Chollas d/s of 47th Street	RK	
18-Jun-98	278-285	S. Chollas Encanto Branch u/s of confluence	BC	
18-Jun-98	978-286	S. Chollas Encanto Branch u/s of confluence	RK	Duplicate
18-Jun-98	978-287	S. Chollas u/s of Encanto confluence	RK	
18-Jun-98	978-288	S. Chollas u/s of Encanto confluence	RK	Duplicate
18-Jun-98	978-289	S. Chollas d/s of Encanto confluence	BC	
18-Jun-98	978-290	S. Chollas d/s of Encanto confluence	RK	Duplicate
18-Jun-98	978-291	S. Chollas w/in Radio Canyon Branch	BC	
18-Jun-98	978-292	S. Chollas u/s of Radio Cnyn Branch confluence	BC	
18-Jun-98	978-293	S. Chollas d/s of Radio Cnyn Branch confluence	RK	
18-Jun-98	978-294	S. Chollas Jamacha Branch u/s of confluence w/Encanto Branch west of 68th St	BC	
18-Jun-98	978-295	S. Chollas Jamacha Branch u/s of confluence w/Encanto Branch at 69th St	RK	
19-Jun-98	978-296	S. Chollas Main Branch at Lenox	BC	
19-Jun-98	978-297	S. Chollas Main Branch at Lenox	RK	Duplicate
19-Jun-98	978-298	S. Chollas Main Branch at Kelton	BC	
19-Jun-98	978-299	S. Chollas Main Branch 600' E of Kelton	RK	
19-Jun-98	978-300	S. Chollas Main Branch at Federal	RK	
19-Jun-98	978-301	S. Chollas Main Branch at 6700 Central	RK	
19-Jun-98	978-302	Main Chollas at Logan/Gregory	BC	
19-Jun-98	978-303	Main Chollas at National Ave-north side	RK	
19-Jun-98	978-304	Main Chollas at National Ave - south side	RK	
19-Jun-98	978-305	Main Chollas at National Ave - north side in storm drain	BC	
19-Jun-98	978-306	Main Chollas at 35th & Martin	RK	
19-Jun-98	978-307	Main Chollas in the Greenwood Cemetary Tributary	RK	
19-Jun-98	978-308	Main Chollas at Market (1 block west)	BC	
19-Jun-98	978-309	Main Chollas at Market (east)	RK	

Appendix C: Sediment Sampling Stations in Chollas Creek

Date of Sampling	Station ID	Location	Sampler	Comments
19-Jun-98	978-310	Main Wabash Branch (north of 94)	RK	
19-Jun-98	978-311	Home Ave Branch u/s of Main Chollas in storm drain	RK	
19-Jun-98	978-312	Home Ave Branch u/s of Main Chollas u/s of storm drain	BC	
19-Jun-98	978-313	Home Ave Branch u/s of Main Chollas d/s of storm drain	RK	
26-Jun-98	978-314	Main Chollas at Home Ave above pipe	DL	
26-Jun-98	978-315	Main Chollas at Home Ave below pipe	BC	
26-Jun-98	978-316	Main Chollas at Home Ave at pipe	BC	
26-Jun-98	978-317	Main Chollas at Home Ave E of Menlo d/s of pipe	BC	
26-Jun-98	978-318	Main Chollas at Home Ave E of Menlo in side ditch	BC	
26-Jun-98	978-319	Main Chollas at Home Ave E of Menlo u/s of pipe	DL	
26-Jun-98	978-320	Main Chollas at Home Ave E of Euclid	DL	
26-Jun-98	978-321	Main Chollas at Home Ave d/s of Auburn Dr	DL	
26-Jun-98	978-322	Main Chollas at Home Ave u/s of Auburn Dr	DL	
26-Jun-98	978-323	Main Chollas at Home Ave 1000' E of Auburn / Ontario	BC	
26-Jun-98	978-324	Main Chollas u/s of Federal / 805 u/s of side drainage	DL	
26-Jun-98	978-325	Main Chollas u/s of Federal / 805 in side drainage	DL	
26-Jun-98	978-326	Main Chollas u/s of Federal / 805 d/s of drainage	BC	
26-Jun-98	978-327	Main Chollas u/s of Chollas Lake drain	BC	
26-Jun-98	978-328	Main Chollas in Chollas Lake drain	DL	
26-Jun-98	978-329	Main Chollas d/s of Chollas Lake drain	DL	Samples 327-329 and 330-332 were taken from u/s to d/s according to the time entry on the COC.
26-Jun-98	978-330	Main Chollas u/s of Trailer Park Drain	BC	
26-Jun-98	978-331	Main Chollas in Trailer Park Drain	DL	
26-Jun-98	978-332	Main Chollas d/s of Trailer Park Drain	BC	
26-Jun-98	978-333	Main Chollas east of Euclid	DL	
26-Jun-98	978-334	Main Chollas east of 54th Street		
26-Jun-98	978-335	Main Chollas, deep and just u/s of S. Chollas		sampled from u/s to d/s according to the time entries on the COC.
26-Jun-98	978-336	S. Chollas, deep, just u/s of Main Chollas		
26-Jun-98	978-337	Main Chollas, deep and just d/s of S. Chollas		
23-Sep-94	PREBAY1	composite from stations 1A and 1B pre-wet season		
23-Sep-94	PREBAY2	composite from stations 2A and 2B pre-wet season		
23-Sep-94	PREBAY3	composite from stations 3A and 3B pre-wet season		
25-Sep-94	PRECREEK1	approximately .25 miles upstream from SD8(1), pre-wet season		
09-May-95	POSTCREEK1	approximately .25 miles upstream from SD8(1), post-wet season		
10-May-95	POSTBAY1	composite from stations 1A and 1B post-wet season		
10-May-95	POSTBAY2	composite from stations 2A and 2B post-wet season		
10-May-95	POSTBAY3	composite from stations 3A and 3B post-wet season		
	1A (SD Bay)	lat 32 deg 41.251"/ long 117 deg 07.938"		
	1B (SD Bay)	lat 32 deg 41.238"/ long 117 deg 07.935"		
	2A (SD Bay)	lat 32 deg 41.248"/ long 117 deg 07.953"		

Appendix C: Sediment Sampling Stations in Chollas Creek

Date of Sampling	Station ID	Location	Sampler	Comments
	2B (SD Bay)	lat 32 deg 41.233"/ long 117 deg 07.941"		
	3A (SD Bay)	lat 32 deg 41.241"/ long 117 deg 07.955"		
	3B (SD Bay)	lat 32 deg 41.222"/ long 117 deg 09.954"		
	chollas			
12-Sep-01	Chollas Crk North Fork			GPS coordinates mentioned, but not supplied
12-Sep-01	Chollas Crk South Fork			
12-Sep-01	Chollas Crk South Fork (Dup)			
12-Sep-01	Chollas Creek Downstream			