

## V. Ocean Monitoring Data Summary

- A. Ocean Sediment Chemistry Data Tables.
- B. Fish Tissue Chemistry Data Tables.

Maps, with sampling sites labeled, are included in this section.

Summary of Sampling Technique<sup>11</sup>:

#### Sediments

Benthic samples are obtained with a chain-rigged van Veen grab from the City's ocean monitoring program vessels. The grab takes 0.1m<sup>2</sup> of sediment surface. Only grab samples with an undisturbed sediment surface are used. Only the top 2 cm of sediment material in the van Veen grab is taken for chemical analyses. Samples are placed directly into the appropriate labeled container and placed on ice for shipment to the laboratory for analysis. Preservatives are used in accordance with the requirements of 40 CFR and our Quality Assurance Plan. Sediment concentrations are on a based on dry weight of sample.

#### Fish Tissue

Several species of flat fish and rock fish are taken by Otter trawls and/or rig fishing. The dissected muscle and liver tissues are frozen and delivered to the laboratory for analysis. Tissue samples are kept frozen until prepared for analyses.

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11 For complete description of the sampling protocols, dissections, equipment, vessels, etc. related to the sampling of ocean sediments and fish, please refer to the City of San Diego, Annual Receiving Waters Monitoring Report 2007

## A. Ocean Sediment Chemistries.

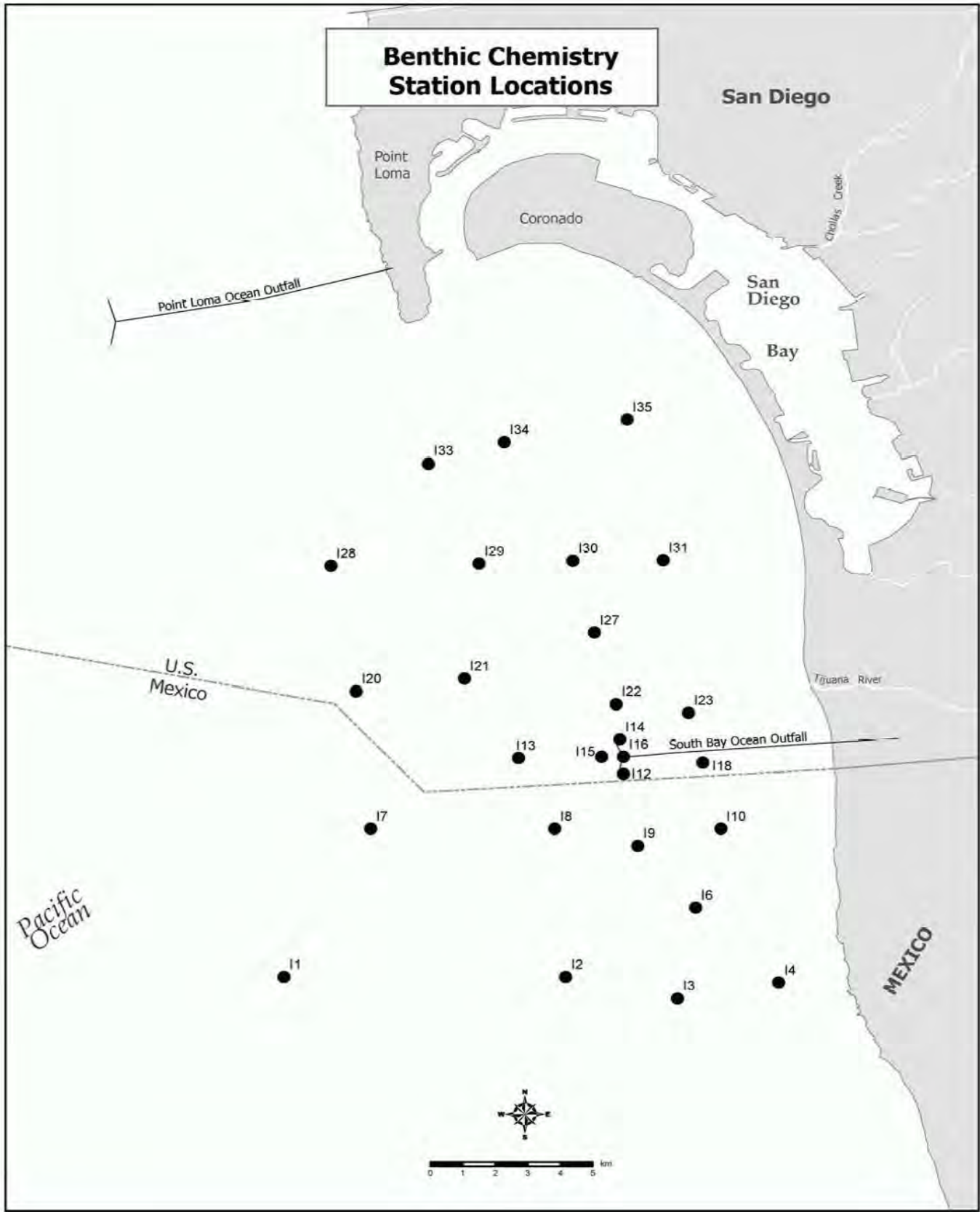
The data for Biochemical Oxygen Demand (BOD) and Total Volatile Solids (TVS), all measures of organic enrichment, as well as total sulfides and temperature, are all presented by quarter and averaged. The quarterly particle size analysis does not lend itself to summarization and each quarter's analysis is presented separately. For the data from all the metals, cyanide, radiation and all of the numerous organic priority pollutant analyses (except dioxin, presented by quarter) only the average of the four quarters is presented here; the values for each quarter has been reported in the Quarterly Monitoring Reports.

### Station

I-1	I-12	I-23
I-2	I-13	I-27
I-3	I-14	I-28
I-4	I-15	I-29
I-6	I-16	I-30
I-7	I-18	I-31
I-8	I-20	I-33
I-9	I-21	I-34
I-10	I-22	I-35

Sampling and analysis of random stations in 2008 was replaced with ocean monitoring associated with our participation in the The Southern California Coastal Water Research Project's (SCCWRP) Southern California Bight 2008 Regional Monitoring Program.

SBWRP Benthic (ocean sediment) stations.



SOUTH BAY OCEAN OUTFALL MONITORING  
OCEAN SEDIMENT ANNUAL SUMMARY

Sulfide and Total Volatile Solids Analysis

From 01-JAN-2008 to 31-DEC-2008

		I-1	I-2	I-3	I-4	I-6	I-7	I-8	I-9	I-10
		Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
MDL Units										
Sulfides-Total	.14 MG/KG	<0.14	ND	ND	ND	ND	ND	ND	<0.14	0.24
Total Volatile Solids	.11 WT%	0.87	0.43	0.44	0.42	0.45	0.51	0.53	1.03	0.69
MDL Units										
Sulfides-Total	.14 MG/KG	ND	ND	0.30	ND	0.29	0.60	ND	ND	ND
Total Volatile Solids	.11 WT%	0.59	0.63	0.92	0.71	0.69	0.72	0.43	0.70	0.82
MDL Units										
Sulfides-Total	.14 MG/KG	0.50	ND	ND	0.17	2.24	0.73	1.05	0.28	18.50
Total Volatile Solids	.11 WT%	1.14	1.00	1.94	1.36	1.11	0.64	1.55	0.67	1.59

nd=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Grain Size  
 (all values are in percent distribution)  
 From 01-JAN-2008 to 31-DEC-2008

Analyte	I-1	I-1	I-2	I-2	I-3
	P412881 02-JAN-2008	P433105 01-JUL-2008	P412891 02-JAN-2008	P433086 01-JUL-2008	P412896 02-JAN-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5	0.000	0.000	0.000	0.000	0.000
>1.5 to 2 microns, Phi 9	0.000	0.000	0.000	0.000	0.000
>2.0 to 2.4 microns	0.044	0.000	0.000	0.000	0.000
>2.4 to 2.9 microns, Phi 8.5	0.169	0.099	0.000	0.000	0.000
>2.9 to 3.4 microns	0.181	0.170	0.000	0.000	0.000
>3.4 to 3.9 microns, Phi 8	0.201	0.189	0.000	0.000	0.000
>3.9 to 4 microns	0.043	0.041	0.000	0.000	0.000
>4.0 to 4.3 microns	0.125	0.119	0.000	0.000	0.000
>4.3 to 4.5 microns	0.081	0.077	0.000	0.000	0.000
>4.5 to 5 microns	0.221	0.210	0.000	0.000	0.000
>5 to 5.5 microns	0.222	0.213	0.000	0.000	0.000
>5.5 to 5.7 microns	0.086	0.083	0.000	0.000	0.000
>5.7 to 5.9 microns, Phi 7.5	0.085	0.083	0.000	0.005	0.000
>5.9 to 7.8 microns, Phi 7	0.826	0.809	0.000	0.243	0.000
>7.8 to 8 microns	0.084	0.084	0.000	0.026	0.000
>8 to 8.5 microns	0.200	0.200	0.000	0.062	0.000
>8.5 to 8.9 microns	0.153	0.154	0.000	0.048	0.000
>8.9 to 9.1 microns	0.077	0.078	0.000	0.025	0.000
>9.1 to 9.5 microns	0.149	0.151	0.000	0.048	0.000
>9.5 to 9.8 microns	0.108	0.109	0.000	0.035	0.000
>9.8 to 10.1 microns	0.104	0.106	0.000	0.034	0.000
>10.1 to 10.6 microns	0.176	0.181	0.000	0.060	0.000
>10.6 to 11.1 microns	0.168	0.173	0.000	0.057	0.000
>11.1 to 11.3 microns	0.065	0.067	0.000	0.022	0.000
>11.3 to 11.7 microns, Phi 6.5	0.126	0.130	0.000	0.043	0.000
>11.7 to 14 microns	0.636	0.667	0.000	0.230	0.000
>14 to 14.8 microns	0.195	0.207	0.000	0.073	0.000
>14.8 to 15.6 microns	0.181	0.193	0.000	0.068	0.000
>15.6 to 16 microns	0.085	0.092	0.000	0.032	0.000
>16 to 20 microns	0.723	0.782	0.000	0.276	0.000
>20 to 23 microns, Phi 5.5	0.409	0.450	0.000	0.157	0.000
>23 to 27 microns	0.432	0.477	0.000	0.157	0.000
>27 to 31 microns, Phi 5	0.361	0.397	0.000	0.117	0.000
>31 to 32 microns	0.084	0.092	0.000	0.024	0.000
>32 to 35.6 microns	0.298	0.322	0.000	0.052	0.000
>35.6 to 37 microns, Phi 4.75	0.117	0.125	0.000	0.000	0.000
>37 to 39.6 microns	0.215	0.228	0.000	0.000	0.000
>39.6 to 43.6 microns	0.385	0.399	0.000	0.000	0.000
>43.6 to 44 microns, Phi 4.5	0.036	0.038	0.000	0.000	0.000
>44 to 45 microns	0.092	0.095	0.000	0.000	0.000
>45 to 46.4 microns	0.178	0.179	0.000	0.000	0.000
>46.4 to 53 microns, Phi 4.25	0.866	0.864	0.000	0.022	0.000
>53 to 62.5 microns, Phi 4	1.830	1.760	0.053	0.135	0.000
>62.5 to 64 microns	0.350	0.333	0.021	0.022	0.000
>64 to 71.7 microns	2.240	2.100	0.127	0.122	0.000
>71.7 to 74 microns	0.763	0.711	0.042	0.038	0.000
>74 to 79.6 microns	2.170	2.010	0.118	0.104	0.000
>79.6 to 87.6 microns	3.660	3.380	0.199	0.168	0.000

SOUTH BAY OCEAN OUTFALL MONITORING  
OCEAN SEDIMENT ANNUAL SUMMARY  
Grain Size  
(all values are in percent distribution)  
From 01-JAN-2008 to 31-DEC-2008

Analyte	I-1		I-2		I-3
	P412881 02-JAN-2008	P433105 01-JUL-2008	P412891 02-JAN-2008	P433086 01-JUL-2008	P412896 02-JAN-2008
>87.6 to 88 microns, Phi 3.5	0.174	0.161	0.009	0.008	0.000
>88 to 90 microns	1.140	1.060	0.070	0.056	0.000
>90 to 105 microns, Phi 3.25	9.300	8.690	0.634	0.498	0.000
>105 to 125 microns, Phi 3	14.000	13.500	1.420	1.090	0.082
>125 to 149 microns, Phi 2.75	15.900	15.900	2.780	2.170	0.285
>149 to 160 microns	6.100	6.300	1.870	1.510	0.202
>160 to 177 microns, Phi 2.5	8.140	8.500	3.230	2.650	0.361
>177 to 197 microns	7.080	7.480	4.810	4.090	0.591
>197 to 210 microns, Phi 2.25	3.310	3.500	3.680	3.270	0.516
>210 to 217 microns	1.550	1.650	2.010	1.810	0.290
>217 to 245 microns	4.660	4.920	8.350	7.740	1.370
>245 to 250 microns, Phi 2	0.629	0.663	1.510	1.430	0.268
>250 to 300 microns, Phi 1.75	4.120	4.300	14.300	14.000	3.100
>300 to 320 microns	0.787	0.808	4.800	4.970	1.540
>320 to 350 microns, Phi 1.5	1.000	1.020	6.470	6.740	2.260
>350 to 360 microns	0.215	0.216	1.790	1.910	0.868
>360 to 400 microns	0.768	0.770	6.550	6.980	3.400
>400 to 420 microns, Phi 1.25	0.253	0.249	2.600	2.790	2.000
>420 to 440 microns	0.241	0.237	2.480	2.660	1.910
>440 to 500 microns, Phi 1	0.521	0.503	5.990	6.420	6.850
>500 to 590 microns, Phi 0.75	0.128	0.123	6.680	7.080	12.200
>590 to 630 microns	0.000	0.000	2.230	2.320	6.410
>630 to 696 microns	0.000	0.000	3.230	3.340	10.100
>696 to 710 microns, Phi 0.5	0.000	0.000	0.571	0.581	2.190
>710 to 773 microns	0.000	0.000	2.440	2.480	9.350
>773 to 840 microns, Phi 0.25	0.000	0.000	2.010	2.010	8.600
>840 to 850 microns	0.000	0.000	0.283	0.283	1.220
>850 to 930 microns	0.000	0.000	1.910	1.900	8.080
>930 to 1000 microns, Phi 0	0.000	0.000	1.330	1.320	5.510
1000 to 1100 microns	0.000	0.000	1.280	1.260	4.660
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.855	0.841	2.850
>1190 to 1300 microns	0.000	0.000	0.599	0.585	1.580
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.392	0.382	0.842
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.312	0.305	0.523
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000
>2000 microns*	ND		ND		ND
Totals:	100.016	99.977	100.035	99.984	100.008

\*= A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

SOUTH BAY OCEAN OUTFALL MONITORING  
OCEAN SEDIMENT ANNUAL SUMMARY  
Grain Size  
(all values are in percent distribution)  
From 01-JAN-2008 to 31-DEC-2008

Analyte	I-3	I-4	I-4	I-6	I-6
	P433091 01-JUL-2008	P412901 02-JAN-2008	P433097 01-JUL-2008	P412906 02-JAN-2008	P433111 01-JUL-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5	0.000	0.000	0.000	0.000	0.000
>1.5 to 2 microns, Phi 9	0.000	0.000	0.000	0.000	0.000
>2.0 to 2.4 microns	0.000	0.000	0.000	0.000	0.000
>2.4 to 2.9 microns, Phi 8.5	0.000	0.000	0.000	0.000	0.000
>2.9 to 3.4 microns	0.000	0.000	0.000	0.000	0.000
>3.4 to 3.9 microns, Phi 8	0.000	0.000	0.000	0.000	0.000
>3.9 to 4 microns	0.000	0.000	0.000	0.000	0.000
>4.0 to 4.3 microns	0.000	0.000	0.000	0.000	0.000
>4.3 to 4.5 microns	0.000	0.000	0.000	0.000	0.000
>4.5 to 5 microns	0.000	0.000	0.000	0.000	0.000
>5 to 5.5 microns	0.000	0.000	0.000	0.000	0.000
>5.5 to 5.7 microns	0.000	0.000	0.000	0.000	0.000
>5.7 to 5.9 microns, Phi 7.5	0.000	0.000	0.000	0.000	0.000
>5.9 to 7.8 microns, Phi 7	0.000	0.000	0.000	0.114	0.000
>7.8 to 8 microns	0.000	0.000	0.000	0.021	0.000
>8 to 8.5 microns	0.000	0.000	0.000	0.050	0.000
>8.5 to 8.9 microns	0.000	0.000	0.000	0.039	0.000
>8.9 to 9.1 microns	0.000	0.000	0.000	0.020	0.000
>9.1 to 9.5 microns	0.000	0.000	0.000	0.038	0.000
>9.5 to 9.8 microns	0.000	0.000	0.000	0.027	0.000
>9.8 to 10.1 microns	0.000	0.000	0.000	0.027	0.000
>10.1 to 10.6 microns	0.000	0.000	0.000	0.046	0.000
>10.6 to 11.1 microns	0.000	0.000	0.000	0.044	0.000
>11.1 to 11.3 microns	0.000	0.000	0.000	0.017	0.000
>11.3 to 11.7 microns, Phi 6.5	0.000	0.000	0.000	0.033	0.000
>11.7 to 14 microns	0.000	0.000	0.000	0.176	0.000
>14 to 14.8 microns	0.000	0.000	0.000	0.056	0.000
>14.8 to 15.6 microns	0.000	0.000	0.000	0.053	0.000
>15.6 to 16 microns	0.000	0.000	0.000	0.026	0.000
>16 to 20 microns	0.000	0.000	0.000	0.226	0.000
>20 to 23 microns, Phi 5.5	0.000	0.000	0.000	0.139	0.000
>23 to 27 microns	0.000	0.000	0.000	0.155	0.000
>27 to 31 microns, Phi 5	0.000	0.000	0.000	0.131	0.000
>31 to 32 microns	0.000	0.000	0.000	0.030	0.000
>32 to 35.6 microns	0.000	0.000	0.000	0.103	0.000
>35.6 to 37 microns, Phi 4.75	0.000	0.000	0.000	0.038	0.000
>37 to 39.6 microns	0.000	0.000	0.000	0.068	0.007
>39.6 to 43.6 microns	0.000	0.000	0.000	0.106	0.073
>43.6 to 44 microns, Phi 4.5	0.000	0.000	0.000	0.010	0.007
>44 to 45 microns	0.000	0.000	0.000	0.025	0.017
>45 to 46.4 microns	0.000	0.000	0.000	0.038	0.026
>46.4 to 53 microns, Phi 4.25	0.000	0.000	0.000	0.171	0.119
>53 to 62.5 microns, Phi 4	0.000	0.000	0.048	0.246	0.174
>62.5 to 64 microns	0.000	0.000	0.020	0.038	0.027
>64 to 71.7 microns	0.000	0.051	0.104	0.193	0.141
>71.7 to 74 microns	0.000	0.027	0.032	0.056	0.042
>74 to 79.6 microns	0.031	0.068	0.079	0.135	0.103
>79.6 to 87.6 microns	0.104	0.100	0.116	0.186	0.148



SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Grain Size  
 (all values are in percent distribution)  
 From 01-JAN-2008 to 31-DEC-2008

Analyte	I-3	I-4	I-4	I-6	I-6
	P433091 01-JUL-2008	P412901 02-JAN-2008	P433097 01-JUL-2008	P412906 02-JAN-2008	P433111 01-JUL-2008
>87.6 to 88 microns, Phi 3.5	0.005	0.005	0.006	0.009	0.007
>88 to 90 microns	0.036	0.027	0.031	0.047	0.040
>90 to 105 microns, Phi 3.25	0.334	0.210	0.232	0.341	0.303
>105 to 125 microns, Phi 3	0.818	0.323	0.334	0.468	0.470
>125 to 149 microns, Phi 2.75	1.870	0.489	0.460	0.631	0.717
>149 to 160 microns	1.490	0.305	0.263	0.353	0.440
>160 to 177 microns, Phi 2.5	2.740	0.531	0.441	0.585	0.751
>177 to 197 microns	4.620	0.853	0.667	0.853	1.150
>197 to 210 microns, Phi 2.25	3.890	0.782	0.589	0.705	0.982
>210 to 217 microns	2.180	0.444	0.332	0.393	0.551
>217 to 245 microns	9.360	2.270	1.690	1.860	2.620
>245 to 250 microns, Phi 2	1.730	0.460	0.342	0.365	0.514
>250 to 300 microns, Phi 1.75	16.400	5.910	4.530	4.410	6.100
>300 to 320 microns	5.350	3.280	2.710	2.350	3.080
>320 to 350 microns, Phi 1.5	7.150	4.830	4.070	3.480	4.490
>350 to 360 microns	1.900	1.850	1.660	1.360	1.660
>360 to 400 microns	6.890	7.070	6.460	5.260	6.320
>400 to 420 microns, Phi 1.25	2.600	3.750	3.680	2.960	3.310
>420 to 440 microns	2.480	3.580	3.510	2.820	3.150
>440 to 500 microns, Phi 1	5.800	10.500	10.900	9.030	9.380
>500 to 590 microns, Phi 0.75	6.240	14.000	15.100	13.400	12.800
>590 to 630 microns	2.030	5.180	5.740	5.660	5.050
>630 to 696 microns	2.930	7.550	8.360	8.490	7.490
>696 to 710 microns, Phi 0.5	0.515	1.350	1.490	1.620	1.400
>710 to 773 microns	2.200	5.750	6.340	6.930	5.960
>773 to 840 microns, Phi 0.25	1.820	4.590	4.990	5.770	4.950
>840 to 850 microns	0.256	0.643	0.699	0.811	0.697
>850 to 930 microns	1.740	4.210	4.550	5.300	4.610
>930 to 1000 microns, Phi 0	1.230	2.830	3.030	3.550	3.130
1000 to 1100 microns	1.200	2.540	2.680	3.100	2.780
>1100 to 1190 microns, Phi -0.25	0.812	1.630	1.690	1.940	1.760
>1190 to 1300 microns	0.577	1.030	1.050	1.180	1.080
>1300 to 1410 microns, Phi -0.5	0.377	0.588	0.586	0.653	0.596
>1410 to 1680 microns, Phi -0.75	0.301	0.401	0.390	0.433	0.634
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.114
>2000 microns*		ND		ND	
Totals:	100.006	100.007	100.001	99.998	99.970

\*= A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Grain Size  
 (all values are in percent distribution)  
 From 01-JAN-2008 to 31-DEC-2008

Analyte	I-7		I-8		I-9
	P412911 02-JAN-2008	P433116 01-JUL-2008	P412916 02-JAN-2008	P433121 01-JUL-2008	P412921 02-JAN-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5	0.000	0.000	0.000	0.000	0.000
>1.5 to 2 microns, Phi 9	0.000	0.000	0.000	0.000	0.008
>2.0 to 2.4 microns	0.000	0.000	0.000	0.000	0.151
>2.4 to 2.9 microns, Phi 8.5	0.000	0.000	0.000	0.000	0.188
>2.9 to 3.4 microns	0.121	0.000	0.000	0.000	0.188
>3.4 to 3.9 microns, Phi 8	0.167	0.000	0.000	0.103	0.194
>3.9 to 4 microns	0.037	0.000	0.000	0.023	0.040
>4.0 to 4.3 microns	0.108	0.000	0.000	0.065	0.116
>4.3 to 4.5 microns	0.070	0.000	0.000	0.042	0.074
>4.5 to 5 microns	0.200	0.000	0.000	0.115	0.195
>5 to 5.5 microns	0.206	0.000	0.000	0.116	0.192
>5.5 to 5.7 microns	0.000	0.000	0.000	0.045	0.074
>5.7 to 5.9 microns, Phi 7.5	0.081	0.000	0.005	0.045	0.073
>5.9 to 7.8 microns, Phi 7	0.822	0.000	0.251	0.434	0.679
>7.8 to 8 microns	0.087	0.000	0.026	0.044	0.069
>8 to 8.5 microns	0.208	0.000	0.062	0.106	0.164
>8.5 to 8.9 microns	0.160	0.000	0.047	0.082	0.126
>8.9 to 9.1 microns	0.082	0.000	0.024	0.041	0.064
>9.1 to 9.5 microns	0.159	0.000	0.047	0.080	0.124
>9.5 to 9.8 microns	0.115	0.000	0.034	0.058	0.090
>9.8 to 10.1 microns	0.111	0.000	0.033	0.056	0.087
>10.1 to 10.6 microns	0.193	0.000	0.056	0.095	0.148
>10.6 to 11.1 microns	0.185	0.000	0.053	0.091	0.141
>11.1 to 11.3 microns	0.071	0.000	0.021	0.035	0.055
>11.3 to 11.7 microns, Phi 6.5	0.139	0.000	0.040	0.069	0.108
>11.7 to 14 microns	0.711	0.000	0.210	0.351	0.577
>14 to 14.8 microns	0.220	0.000	0.066	0.109	0.184
>14.8 to 15.6 microns	0.201	0.000	0.062	0.101	0.181
>15.6 to 16 microns	0.093	0.000	0.029	0.047	0.090
>16 to 20 microns	0.782	0.000	0.255	0.404	0.823
>20 to 23 microns, Phi 5.5	0.418	0.000	0.151	0.228	0.568
>23 to 27 microns	0.396	0.000	0.162	0.233	0.757
>27 to 31 microns, Phi 5	0.279	0.000	0.133	0.183	0.824
>31 to 32 microns	0.055	0.000	0.030	0.040	0.233
>32 to 35.6 microns	0.173	0.000	0.102	0.132	0.925
>35.6 to 37 microns, Phi 4.75	0.055	0.000	0.037	0.047	0.424
>37 to 39.6 microns	0.096	0.000	0.067	0.083	0.812
>39.6 to 43.6 microns	0.121	0.000	0.103	0.124	1.730
>43.6 to 44 microns, Phi 4.5	0.011	0.000	0.010	0.012	0.165
>44 to 45 microns	0.028	0.000	0.024	0.029	0.422
>45 to 46.4 microns	0.035	0.000	0.039	0.045	0.922
>46.4 to 53 microns, Phi 4.25	0.151	0.000	0.176	0.202	4.550
>53 to 62.5 microns, Phi 4	0.181	0.000	0.284	0.315	9.350
>62.5 to 64 microns	0.026	0.000	0.048	0.053	1.700
>64 to 71.7 microns	0.128	0.000	0.275	0.299	9.340
>71.7 to 74 microns	0.036	0.000	0.087	0.094	2.900
>74 to 79.6 microns	0.087	0.000	0.235	0.254	6.940
>79.6 to 87.6 microns	0.122	0.000	0.376	0.406	9.610

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Analyte	I-7		I-8		I-9
	P412911 02-JAN-2008	P433116 01-JUL-2008	P412916 02-JAN-2008	P433121 01-JUL-2008	P412921 02-JAN-2008
>87.6 to 88 microns, Phi 3.5	0.006	0.000	0.018	0.019	0.457
>88 to 90 microns	0.032	0.000	0.117	0.127	2.140
>90 to 105 microns, Phi 3.25	0.239	0.026	0.979	1.070	13.800
>105 to 125 microns, Phi 3	0.355	0.161	1.770	1.970	11.600
>125 to 149 microns, Phi 2.75	0.501	0.277	2.840	3.190	7.370
>149 to 160 microns	0.280	0.185	1.680	1.870	1.830
>160 to 177 microns, Phi 2.5	0.458	0.328	2.770	3.070	2.020
>177 to 197 microns	0.646	0.536	3.900	4.250	1.290
>197 to 210 microns, Phi 2.25	0.511	0.489	2.940	3.130	0.511
>210 to 217 microns	0.282	0.278	1.600	1.700	0.221
>217 to 245 microns	1.290	1.400	6.760	7.050	0.616
>245 to 250 microns, Phi 2	0.248	0.283	1.240	1.280	0.076
>250 to 300 microns, Phi 1.75	2.900	3.640	12.200	12.300	0.467
>300 to 320 microns	1.510	2.090	4.450	4.390	0.084
>320 to 350 microns, Phi 1.5	2.260	3.140	6.080	5.970	0.108
>350 to 360 microns	0.902	1.280	1.780	1.720	0.024
>360 to 400 microns	3.540	5.000	6.540	6.300	0.077
>400 to 420 microns, Phi 1.25	2.120	2.930	2.710	2.570	0.000
>420 to 440 microns	2.020	2.800	2.590	2.450	0.000
>440 to 500 microns, Phi 1	7.150	9.290	6.430	5.990	0.000
>500 to 590 microns, Phi 0.75	12.100	14.300	7.370	6.720	0.000
>590 to 630 microns	9.970	6.260	2.520	2.250	0.000
>630 to 696 microns	9.280	9.440	3.660	3.260	0.000
>696 to 710 microns, Phi 0.5	1.920	1.830	0.652	0.574	0.000
>710 to 773 microns	8.200	7.810	2.780	2.450	0.000
>773 to 840 microns, Phi 0.25	7.160	6.580	2.300	2.000	0.000
>840 to 850 microns	1.010	0.927	0.323	0.280	0.000
>850 to 930 microns	6.580	6.090	2.170	1.880	0.000
>930 to 1000 microns, Phi 0	4.380	4.090	1.510	1.300	0.000
1000 to 1100 microns	3.670	3.530	1.430	1.240	0.000
>1100 to 1190 microns, Phi -0.25	2.240	2.190	0.952	0.823	0.000
>1190 to 1300 microns	1.270	1.270	0.657	0.569	0.000
>1300 to 1410 microns, Phi -0.5	0.683	0.685	0.389	0.372	0.000
>1410 to 1680 microns, Phi -0.75	0.434	0.704	0.279	0.297	0.000
>1680 to 2000 microns, Phi -1	0.000	0.127	0.000	0.000	0.000
>2000 microns*	ND		ND		ND
Totals:	99.955	99.966	100.046	99.967	100.066

\*= A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

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Analyte	I-9	I-10	I-10	I-12	I-12
	P433126 01-JUL-2008	P412886 02-JAN-2008	P433083 01-JUL-2008	P413877 14-JAN-2008	P433169 02-JUL-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5	0.000	0.000	0.000	0.000	0.000
>1.5 to 2 microns, Phi 9	0.008	0.000	0.000	0.000	0.000
>2.0 to 2.4 microns	0.152	0.000	0.000	0.000	0.000
>2.4 to 2.9 microns, Phi 8.5	0.195	0.000	0.086	0.000	0.000
>2.9 to 3.4 microns	0.200	0.110	0.141	0.000	0.000
>3.4 to 3.9 microns, Phi 8	0.212	0.134	0.145	0.000	0.000
>3.9 to 4 microns	0.045	0.029	0.031	0.019	0.000
>4.0 to 4.3 microns	0.128	0.083	0.089	0.057	0.000
>4.3 to 4.5 microns	0.083	0.054	0.057	0.037	0.005
>4.5 to 5 microns	0.220	0.144	0.153	0.098	0.082
>5 to 5.5 microns	0.217	0.146	0.153	0.097	0.081
>5.5 to 5.7 microns	0.084	0.057	0.059	0.038	0.031
>5.7 to 5.9 microns, Phi 7.5	0.083	0.056	0.059	0.037	0.031
>5.9 to 7.8 microns, Phi 7	0.779	0.552	0.564	0.358	0.293
>7.8 to 8 microns	0.078	0.058	0.058	0.037	0.030
>8 to 8.5 microns	0.187	0.139	0.139	0.088	0.071
>8.5 to 8.9 microns	0.144	0.107	0.107	0.068	0.055
>8.9 to 9.1 microns	0.072	0.055	0.055	0.035	0.028
>9.1 to 9.5 microns	0.140	0.107	0.106	0.067	0.054
>9.5 to 9.8 microns	0.101	0.077	0.077	0.049	0.039
>9.8 to 10.1 microns	0.098	0.075	0.074	0.047	0.038
>10.1 to 10.6 microns	0.166	0.130	0.128	0.081	0.064
>10.6 to 11.1 microns	0.158	0.124	0.122	0.077	0.061
>11.1 to 11.3 microns	0.061	0.048	0.047	0.030	0.024
>11.3 to 11.7 microns, Phi 6.5	0.120	0.095	0.093	0.059	0.046
>11.7 to 14 microns	0.631	0.503	0.490	0.313	0.244
>14 to 14.8 microns	0.199	0.160	0.155	0.099	0.077
>14.8 to 15.6 microns	0.193	0.153	0.149	0.096	0.074
>15.6 to 16 microns	0.095	0.075	0.072	0.047	0.036
>16 to 20 microns	0.852	0.662	0.643	0.417	0.317
>20 to 23 microns, Phi 5.5	0.563	0.417	0.406	0.267	0.200
>23 to 27 microns	0.721	0.489	0.485	0.321	0.236
>27 to 31 microns, Phi 5	0.759	0.458	0.467	0.309	0.222
>31 to 32 microns	0.211	0.117	0.121	0.080	0.056
>32 to 35.6 microns	0.828	0.434	0.457	0.300	0.208
>35.6 to 37 microns, Phi 4.75	0.376	0.184	0.196	0.128	0.087
>37 to 39.6 microns	0.719	0.347	0.370	0.241	0.162
>39.6 to 43.6 microns	1.530	0.693	0.743	0.478	0.306
>43.6 to 44 microns, Phi 4.5	0.145	0.066	0.071	0.045	0.029
>44 to 45 microns	0.372	0.169	0.180	0.116	0.074
>45 to 46.4 microns	0.816	0.365	0.386	0.240	0.144
>46.4 to 53 microns, Phi 4.25	4.040	1.850	1.930	1.180	0.697
>53 to 62.5 microns, Phi 4	8.450	4.350	4.360	2.500	1.370
>62.5 to 64 microns	1.550	0.864	0.847	0.468	0.247
>64 to 71.7 microns	8.650	5.540	5.280	2.770	1.440
>71.7 to 74 microns	2.710	1.890	1.770	0.899	0.461
>74 to 79.6 microns	6.570	5.130	4.710	2.320	1.200
>79.6 to 87.6 microns	9.220	8.280	7.450	3.550	1.830

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Analyte	I-9	I-10	I-10	I-12	I-12
	P433126	P412886	P433083	P413877	P433169
	01-JUL-2008	02-JAN-2008	01-JUL-2008	14-JAN-2008	02-JUL-2008
>87.6 to 88 microns, Phi 3.5	0.439	0.394	0.354	0.169	0.087
>88 to 90 microns	2.090	2.240	1.970	0.933	0.501
>90 to 105 microns, Phi 3.25	13.600	16.300	14.200	6.820	3.790
>105 to 125 microns, Phi 3	11.900	17.300	15.000	8.380	5.240
>125 to 149 microns, Phi 2.75	7.920	13.000	11.400	8.920	6.410
>149 to 160 microns	2.090	3.530	3.260	3.790	3.050
>160 to 177 microns, Phi 2.5	2.390	4.030	3.830	5.480	4.610
>177 to 197 microns	1.660	2.700	2.780	6.040	5.460
>197 to 210 microns, Phi 2.25	0.705	1.080	1.220	3.680	3.480
>210 to 217 microns	0.316	0.472	0.554	1.900	1.820
>217 to 245 microns	0.933	1.320	1.680	6.930	6.780
>245 to 250 microns, Phi 2	0.123	0.163	0.229	1.140	1.130
>250 to 300 microns, Phi 1.75	0.835	1.010	1.620	9.530	9.730
>300 to 320 microns	0.183	0.182	0.402	2.690	2.950
>320 to 350 microns, Phi 1.5	0.239	0.232	0.540	3.540	3.970
>350 to 360 microns	0.059	0.051	0.149	0.879	1.080
>360 to 400 microns	0.214	0.182	0.555	3.160	3.960
>400 to 420 microns, Phi 1.25	0.082	0.064	0.249	1.090	1.590
>420 to 440 microns	0.078	0.061	0.238	1.040	1.520
>440 to 500 microns, Phi 1	0.191	0.141	0.687	2.150	3.800
>500 to 590 microns, Phi 0.75	0.049	0.036	0.989	1.900	4.460
>590 to 630 microns	0.000	0.000	0.448	0.399	1.610
>630 to 696 microns	0.000	0.000	0.700	0.512	2.380
>696 to 710 microns, Phi 0.5	0.000	0.000	0.149	0.064	0.444
>710 to 773 microns	0.000	0.000	0.634	0.274	1.890
>773 to 840 microns, Phi 0.25	0.000	0.000	0.623	0.017	1.640
>840 to 850 microns	0.000	0.000	0.089	0.000	0.232
>850 to 930 microns	0.000	0.000	0.528	0.000	1.590
>930 to 1000 microns, Phi 0	0.000	0.000	0.302	0.000	1.130
1000 to 1100 microns	0.000	0.000	0.256	0.000	1.090
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.138	0.000	0.730
>1190 to 1300 microns	0.000	0.000	0.000	0.000	0.506
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.000	0.000	0.330
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.000	0.000	0.264
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000
>2000 microns*		ND		ND	
Totals:	100.027	100.064	100.054	99.990	100.004

\*= A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

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Analyte	I-13		I-14		I-15
	P413890 14-JAN-2008	P433173 02-JUL-2008	P413897 14-JAN-2008	P433180 02-JUL-2008	P413899 14-JAN-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5	0.000	0.000	0.000	0.000	0.000
>1.5 to 2 microns, Phi 9	0.000	0.000	0.000	0.007	0.000
>2.0 to 2.4 microns	0.000	0.000	0.000	0.143	0.000
>2.4 to 2.9 microns, Phi 8.5	0.000	0.000	0.089	0.181	0.000
>2.9 to 3.4 microns	0.000	0.000	0.144	0.184	0.000
>3.4 to 3.9 microns, Phi 8	0.000	0.000	0.149	0.192	0.105
>3.9 to 4 microns	0.000	0.000	0.031	0.040	0.022
>4.0 to 4.3 microns	0.000	0.000	0.089	0.116	0.064
>4.3 to 4.5 microns	0.000	0.000	0.057	0.074	0.041
>4.5 to 5 microns	0.000	0.000	0.149	0.196	0.109
>5 to 5.5 microns	0.000	0.028	0.146	0.193	0.107
>5.5 to 5.7 microns	0.000	0.014	0.056	0.074	0.041
>5.7 to 5.9 microns, Phi 7.5	0.000	0.017	0.056	0.073	0.041
>5.9 to 7.8 microns, Phi 7	0.000	0.249	0.517	0.687	0.385
>7.8 to 8 microns	0.000	0.025	0.052	0.069	0.039
>8 to 8.5 microns	0.000	0.059	0.124	0.165	0.094
>8.5 to 8.9 microns	0.000	0.045	0.095	0.127	0.072
>8.9 to 9.1 microns	0.000	0.023	0.048	0.064	0.037
>9.1 to 9.5 microns	0.000	0.044	0.093	0.124	0.071
>9.5 to 9.8 microns	0.000	0.031	0.068	0.090	0.052
>9.8 to 10.1 microns	0.000	0.031	0.066	0.087	0.050
>10.1 to 10.6 microns	0.000	0.051	0.111	0.147	0.086
>10.6 to 11.1 microns	0.000	0.049	0.106	0.140	0.082
>11.1 to 11.3 microns	0.000	0.019	0.041	0.054	0.032
>11.3 to 11.7 microns, Phi 6.5	0.000	0.036	0.081	0.107	0.063
>11.7 to 14 microns	0.000	0.186	0.428	0.562	0.338
>14 to 14.8 microns	0.000	0.057	0.136	0.177	0.108
>14.8 to 15.6 microns	0.000	0.054	0.133	0.172	0.106
>15.6 to 16 microns	0.000	0.025	0.066	0.085	0.053
>16 to 20 microns	0.000	0.215	0.598	0.762	0.480
>20 to 23 microns, Phi 5.5	0.000	0.124	0.405	0.504	0.327
>23 to 27 microns	0.000	0.131	0.529	0.641	0.420
>27 to 31 microns, Phi 5	0.000	0.093	0.565	0.664	0.431
>31 to 32 microns	0.000	0.013	0.158	0.181	0.116
>32 to 35.6 microns	0.000	0.042	0.624	0.701	0.436
>35.6 to 37 microns, Phi 4.75	0.000	0.016	0.285	0.312	0.188
>37 to 39.6 microns	0.007	0.032	0.547	0.592	0.351
>39.6 to 43.6 microns	0.077	0.082	1.180	1.220	0.671
>43.6 to 44 microns, Phi 4.5	0.007	0.008	0.112	0.116	0.064
>44 to 45 microns	0.018	0.019	0.288	0.296	0.161
>45 to 46.4 microns	0.030	0.030	0.650	0.632	0.308
>46.4 to 53 microns, Phi 4.25	0.135	0.137	3.270	3.120	1.460
>53 to 62.5 microns, Phi 4	0.215	0.216	7.280	6.540	2.600
>62.5 to 64 microns	0.036	0.036	1.380	1.210	0.444
>64 to 71.7 microns	0.195	0.199	8.070	6.970	2.400
>71.7 to 74 microns	0.060	0.062	2.600	2.230	0.733
>74 to 79.6 microns	0.155	0.162	6.480	5.580	1.810
>79.6 to 87.6 microns	0.234	0.250	9.460	8.180	2.600

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Analyte	I-13		I-14		I-15
	P413890 14-JAN-2008	P433173 02-JUL-2008	P413897 14-JAN-2008	P433180 02-JUL-2008	P413899 14-JAN-2008
>87.6 to 88 microns, Phi 3.5	0.011	0.012	0.450	0.389	0.123
>88 to 90 microns	0.066	0.073	2.240	1.990	0.663
>90 to 105 microns, Phi 3.25	0.520	0.581	14.900	13.600	4.840
>105 to 125 microns, Phi 3	0.817	0.934	13.600	13.400	6.360
>125 to 149 microns, Phi 2.75	1.170	1.330	9.410	10.100	7.690
>149 to 160 microns	0.651	0.729	2.520	2.950	3.690
>160 to 177 microns, Phi 2.5	1.060	1.180	2.890	3.530	5.610
>177 to 197 microns	1.500	1.640	2.000	2.630	6.730
>197 to 210 microns, Phi 2.25	1.190	1.290	0.838	1.160	4.300
>210 to 217 microns	0.660	0.714	0.373	0.528	2.250
>217 to 245 microns	3.040	3.280	1.080	1.580	8.320
>245 to 250 microns, Phi 2	0.588	0.630	0.140	0.212	1.380
>250 to 300 microns, Phi 1.75	6.870	7.320	0.910	1.440	11.400
>300 to 320 microns	3.440	3.600	0.182	0.308	3.060
>320 to 350 microns, Phi 1.5	5.000	5.200	0.235	0.400	3.990
>350 to 360 microns	1.840	1.870	0.054	0.095	0.938
>360 to 400 microns	7.000	7.090	0.196	0.344	3.350
>400 to 420 microns, Phi 1.25	3.610	3.540	0.071	0.126	1.090
>420 to 440 microns	3.440	3.380	0.067	0.120	1.040
>440 to 500 microns, Phi 1	9.960	9.430	0.158	0.278	2.080
>500 to 590 microns, Phi 0.75	13.000	11.900	0.040	0.070	1.750
>590 to 630 microns	4.700	4.230	0.000	0.000	0.365
>630 to 696 microns	6.790	6.150	0.000	0.000	0.468
>696 to 710 microns, Phi 0.5	1.190	1.090	0.000	0.000	0.059
>710 to 773 microns	5.070	4.650	0.000	0.000	0.250
>773 to 840 microns, Phi 0.25	3.910	3.740	0.000	0.000	0.016
>840 to 850 microns	0.547	0.524	0.000	0.000	0.000
>850 to 930 microns	3.530	3.460	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	2.320	2.340	0.000	0.000	0.000
1000 to 1100 microns	2.060	2.130	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25	1.320	1.370	0.000	0.000	0.000
>1190 to 1300 microns	0.849	0.884	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.490	0.502	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75	0.552	0.343	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1	0.099	0.000	0.000	0.000	0.000
>2000 microns*	ND		ND		ND
Totals:	100.029	100.046	99.966	100.031	100.010

\*= A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Grain Size  
 (all values are in percent distribution)  
 From 01-JAN-2008 to 31-DEC-2008

Analyte	I-15	I-16	I-16	I-18	I-18
	P433185 02-JUL-2008	P413906 14-JAN-2008	P433188 02-JUL-2008	P413880 14-JAN-2008	P433192 02-JUL-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5	0.000	0.000	0.000	0.000	0.000
>1.5 to 2 microns, Phi 9	0.000	0.000	0.000	0.000	0.000
>2.0 to 2.4 microns	0.000	0.000	0.000	0.000	0.000
>2.4 to 2.9 microns, Phi 8.5	0.000	0.000	0.000	0.000	0.000
>2.9 to 3.4 microns	0.000	0.000	0.000	0.000	0.103
>3.4 to 3.9 microns, Phi 8	0.102	0.116	0.000	0.103	0.124
>3.9 to 4 microns	0.022	0.025	0.000	0.022	0.026
>4.0 to 4.3 microns	0.064	0.073	0.000	0.063	0.075
>4.3 to 4.5 microns	0.041	0.047	0.000	0.041	0.049
>4.5 to 5 microns	0.112	0.126	0.000	0.106	0.128
>5 to 5.5 microns	0.112	0.126	0.053	0.105	0.128
>5.5 to 5.7 microns	0.043	0.049	0.027	0.040	0.049
>5.7 to 5.9 microns, Phi 7.5	0.043	0.048	0.026	0.040	0.049
>5.9 to 7.8 microns, Phi 7	0.415	0.470	0.257	0.374	0.463
>7.8 to 8 microns	0.042	0.048	0.026	0.038	0.047
>8 to 8.5 microns	0.101	0.116	0.063	0.090	0.113
>8.5 to 8.9 microns	0.078	0.089	0.049	0.069	0.087
>8.9 to 9.1 microns	0.039	0.046	0.025	0.035	0.044
>9.1 to 9.5 microns	0.076	0.088	0.048	0.068	0.086
>9.5 to 9.8 microns	0.055	0.064	0.035	0.049	0.062
>9.8 to 10.1 microns	0.053	0.062	0.034	0.048	0.060
>10.1 to 10.6 microns	0.090	0.106	0.057	0.081	0.103
>10.6 to 11.1 microns	0.086	0.101	0.055	0.077	0.098
>11.1 to 11.3 microns	0.033	0.039	0.021	0.030	0.038
>11.3 to 11.7 microns, Phi 6.5	0.065	0.077	0.041	0.059	0.075
>11.7 to 14 microns	0.340	0.404	0.216	0.311	0.400
>14 to 14.8 microns	0.106	0.127	0.067	0.098	0.127
>14.8 to 15.6 microns	0.101	0.121	0.063	0.096	0.124
>15.6 to 16 microns	0.049	0.059	0.030	0.047	0.061
>16 to 20 microns	0.428	0.516	0.263	0.425	0.548
>20 to 23 microns, Phi 5.5	0.263	0.319	0.156	0.282	0.363
>23 to 27 microns	0.301	0.369	0.170	0.360	0.459
>27 to 31 microns, Phi 5	0.270	0.341	0.146	0.375	0.470
>31 to 32 microns	0.066	0.086	0.034	0.103	0.127
>32 to 35.6 microns	0.234	0.315	0.121	0.404	0.491
>35.6 to 37 microns, Phi 4.75	0.093	0.132	0.047	0.183	0.218
>37 to 39.6 microns	0.169	0.246	0.086	0.350	0.414
>39.6 to 43.6 microns	0.285	0.473	0.146	0.750	0.862
>43.6 to 44 microns, Phi 4.5	0.027	0.045	0.014	0.071	0.082
>44 to 45 microns	0.068	0.114	0.035	0.183	0.210
>45 to 46.4 microns	0.113	0.234	0.062	0.420	0.463
>46.4 to 53 microns, Phi 4.25	0.517	1.150	0.292	2.150	2.330
>53 to 62.5 microns, Phi 4	0.798	2.480	0.537	5.170	5.350
>62.5 to 64 microns	0.128	0.474	0.096	1.030	1.040
>64 to 71.7 microns	0.655	2.930	0.575	6.490	6.440
>71.7 to 74 microns	0.193	0.976	0.188	2.190	2.150
>74 to 79.6 microns	0.465	2.640	0.516	5.830	5.660
>79.6 to 87.6 microns	0.649	4.230	0.844	9.190	8.820



SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Grain Size  
 (all values are in percent distribution)  
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Analyte	I-15	I-16	I-16	I-18	I-18
	P433185	P413906	P433188	P413880	P433192
	02-JUL-2008	14-JAN-2008	02-JUL-2008	14-JAN-2008	02-JUL-2008
>87.6 to 88 microns, Phi 3.5	0.031	0.201	0.040	0.437	0.420
>88 to 90 microns	0.164	1.200	0.266	2.390	2.280
>90 to 105 microns, Phi 3.25	1.200	9.180	2.250	16.900	16.100
>105 to 125 microns, Phi 3	1.670	12.200	4.110	16.900	16.200
>125 to 149 microns, Phi 2.75	2.290	13.000	6.530	12.100	11.700
>149 to 160 microns	1.310	5.110	3.670	3.180	3.140
>160 to 177 microns, Phi 2.5	2.180	7.010	5.840	3.580	3.580
>177 to 197 microns	3.190	6.670	7.360	2.340	2.420
>197 to 210 microns, Phi 2.25	2.560	3.460	4.700	0.929	0.989
>210 to 217 microns	1.420	1.690	2.460	0.402	0.435
>217 to 245 microns	6.250	5.480	8.910	1.120	1.250
>245 to 250 microns, Phi 2	1.180	0.807	1.460	0.137	0.159
>250 to 300 microns, Phi 1.75	12.100	5.840	11.900	0.841	1.030
>300 to 320 microns	4.630	1.320	3.270	0.149	0.205
>320 to 350 microns, Phi 1.5	6.330	1.710	4.340	0.189	0.265
>350 to 360 microns	1.860	0.389	1.130	0.041	0.062
>360 to 400 microns	6.810	1.390	4.110	0.147	0.224
>400 to 420 microns, Phi 1.25	2.780	0.466	1.600	0.051	0.082
>420 to 440 microns	2.650	0.445	1.530	0.049	0.078
>440 to 500 microns, Phi 1	6.440	0.937	3.750	0.112	0.187
>500 to 590 microns, Phi 0.75	7.140	0.724	4.310	0.028	0.047
>590 to 630 microns	2.350	0.015	1.520	0.000	0.000
>630 to 696 microns	3.390	0.000	2.220	0.000	0.000
>696 to 710 microns, Phi 0.5	0.591	0.000	0.408	0.000	0.000
>710 to 773 microns	2.520	0.000	1.740	0.000	0.000
>773 to 840 microns, Phi 0.25	2.050	0.000	1.510	0.000	0.000
>840 to 850 microns	0.288	0.000	0.213	0.000	0.000
>850 to 930 microns	1.930	0.000	1.270	0.000	0.000
>930 to 1000 microns, Phi 0	1.330	0.000	0.726	0.000	0.000
1000 to 1100 microns	1.270	0.000	0.615	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.844	0.000	0.390	0.000	0.000
>1190 to 1300 microns	0.588	0.000	0.273	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.384	0.000	0.088	0.000	0.000
>1410 to 1680 microns, Phi -0.75	0.306	0.000	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000
>2000 microns*		ND		ND	
Totals:	100.016	99.941	100.030	100.068	100.069

\*= A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Grain Size  
 (all values are in percent distribution)  
 From 01-JAN-2008 to 31-DEC-2008

Analyte	I-20	I-20	I-21	I-21	I-22
	P413678	P433199	P413683	P433204	P413688
	09-JAN-2008	02-JUL-2008	09-JAN-2008	02-JUL-2008	09-JAN-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5	0.000	0.000	0.000	0.000	0.000
>1.5 to 2 microns, Phi 9	0.000	0.000	0.000	0.000	0.000
>2.0 to 2.4 microns	0.000	0.000	0.000	0.000	0.043
>2.4 to 2.9 microns, Phi 8.5	0.000	0.000	0.000	0.000	0.160
>2.9 to 3.4 microns	0.000	0.000	0.000	0.000	0.164
>3.4 to 3.9 microns, Phi 8	0.000	0.000	0.106	0.000	0.173
>3.9 to 4 microns	0.019	0.000	0.023	0.000	0.037
>4.0 to 4.3 microns	0.056	0.000	0.066	0.000	0.106
>4.3 to 4.5 microns	0.036	0.000	0.042	0.000	0.068
>4.5 to 5 microns	0.099	0.000	0.113	0.000	0.182
>5 to 5.5 microns	0.099	0.000	0.112	0.054	0.182
>5.5 to 5.7 microns	0.038	0.000	0.043	0.027	0.070
>5.7 to 5.9 microns, Phi 7.5	0.038	0.000	0.043	0.027	0.069
>5.9 to 7.8 microns, Phi 7	0.373	0.000	0.404	0.254	0.667
>7.8 to 8 microns	0.038	0.000	0.041	0.025	0.068
>8 to 8.5 microns	0.092	0.000	0.098	0.060	0.164
>8.5 to 8.9 microns	0.071	0.000	0.075	0.046	0.126
>8.9 to 9.1 microns	0.036	0.000	0.038	0.023	0.064
>9.1 to 9.5 microns	0.069	0.000	0.073	0.044	0.125
>9.5 to 9.8 microns	0.050	0.000	0.053	0.032	0.090
>9.8 to 10.1 microns	0.049	0.000	0.051	0.031	0.087
>10.1 to 10.6 microns	0.083	0.000	0.087	0.052	0.150
>10.6 to 11.1 microns	0.080	0.000	0.083	0.049	0.143
>11.1 to 11.3 microns	0.031	0.000	0.032	0.019	0.055
>11.3 to 11.7 microns, Phi 6.5	0.060	0.000	0.063	0.037	0.109
>11.7 to 14 microns	0.312	0.000	0.331	0.187	0.576
>14 to 14.8 microns	0.097	0.000	0.104	0.057	0.182
>14.8 to 15.6 microns	0.090	0.000	0.099	0.053	0.176
>15.6 to 16 microns	0.042	0.000	0.048	0.025	0.086
>16 to 20 microns	0.361	0.000	0.426	0.212	0.763
>20 to 23 microns, Phi 5.5	0.203	0.000	0.267	0.120	0.488
>23 to 27 microns	0.204	0.000	0.311	0.100	0.587
>27 to 31 microns, Phi 5	0.153	0.000	0.281	0.000	0.565
>31 to 32 microns	0.032	0.000	0.068	0.000	0.146
>32 to 35.6 microns	0.101	0.000	0.240	0.000	0.542
>35.6 to 37 microns, Phi 4.75	0.034	0.000	0.093	0.000	0.229
>37 to 39.6 microns	0.059	0.000	0.168	0.000	0.428
>39.6 to 43.6 microns	0.077	0.000	0.273	0.000	0.823
>43.6 to 44 microns, Phi 4.5	0.007	0.000	0.026	0.000	0.078
>44 to 45 microns	0.018	0.000	0.064	0.000	0.198
>45 to 46.4 microns	0.023	0.000	0.102	0.000	0.395
>46.4 to 53 microns, Phi 4.25	0.078	0.000	0.461	0.000	1.910
>53 to 62.5 microns, Phi 4	0.045	0.000	0.680	0.000	3.790
>62.5 to 64 microns	0.018	0.000	0.107	0.000	0.687
>64 to 71.7 microns	0.092	0.000	0.545	0.000	3.940
>71.7 to 74 microns	0.027	0.000	0.160	0.000	1.260
>74 to 79.6 microns	0.066	0.000	0.387	0.022	3.200
>79.6 to 87.6 microns	0.096	0.000	0.543	0.074	4.800

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Grain Size  
 (all values are in percent distribution)  
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Analyte	I-20	I-20	I-21	I-21	I-22
	P413678	P433199	P413683	P433204	P413688
	09-JAN-2008	02-JUL-2008	09-JAN-2008	02-JUL-2008	09-JAN-2008
>87.6 to 88 microns, Phi 3.5	0.005	0.000	0.026	0.004	0.228
>88 to 90 microns	0.027	0.000	0.139	0.020	1.250
>90 to 105 microns, Phi 3.25	0.218	0.000	1.020	0.160	9.050
>105 to 125 microns, Phi 3	0.390	0.000	1.400	0.275	10.900
>125 to 149 microns, Phi 2.75	0.683	0.113	1.810	0.479	11.100
>149 to 160 microns	0.455	0.116	0.961	0.333	4.290
>160 to 177 microns, Phi 2.5	0.792	0.217	1.550	0.600	5.890
>177 to 197 microns	1.220	0.385	2.140	1.020	5.690
>197 to 210 microns, Phi 2.25	0.987	0.365	1.660	0.955	3.010
>210 to 217 microns	0.547	0.209	0.915	0.546	1.480
>217 to 245 microns	2.400	1.040	4.090	2.760	4.870
>245 to 250 microns, Phi 2	0.449	0.208	0.776	0.557	0.729
>250 to 300 microns, Phi 1.75	4.700	2.530	8.550	6.910	5.370
>300 to 320 microns	2.000	1.330	3.820	3.590	1.260
>320 to 350 microns, Phi 1.5	2.860	1.970	5.420	5.220	1.630
>350 to 360 microns	1.000	0.780	1.830	1.910	0.378
>360 to 400 microns	3.860	3.060	6.850	7.260	1.360
>400 to 420 microns, Phi 1.25	2.090	1.850	3.230	3.710	0.460
>420 to 440 microns	2.000	1.760	3.080	3.540	0.439
>440 to 500 microns, Phi 1	6.670	6.450	8.250	10.100	0.930
>500 to 590 microns, Phi 0.75	11.100	11.800	9.990	13.100	0.719
>590 to 630 microns	5.500	6.490	3.450	4.770	0.015
>630 to 696 microns	8.610	10.400	4.990	6.930	0.000
>696 to 710 microns, Phi 0.5	1.820	2.310	0.872	1.230	0.000
>710 to 773 microns	7.770	9.870	3.720	5.240	0.000
>773 to 840 microns, Phi 0.25	7.090	9.360	2.940	4.190	0.000
>840 to 850 microns	1.010	1.330	0.412	0.587	0.000
>850 to 930 microns	6.670	8.840	2.700	3.850	0.000
>930 to 1000 microns, Phi 0	4.560	6.070	1.810	2.580	0.000
1000 to 1100 microns	3.900	5.060	1.660	2.310	0.000
>1100 to 1190 microns, Phi -0.25	2.410	3.060	1.080	1.470	0.000
>1190 to 1300 microns	1.380	1.640	0.716	0.927	0.000
>1300 to 1410 microns, Phi -0.5	0.744	0.849	0.418	0.522	0.000
>1410 to 1680 microns, Phi -0.75	0.472	0.508	0.295	0.569	0.000
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.102	0.000
>2000 microns*	ND		ND		ND
Totals:	100.041	99.970	100.000	99.956	99.999

\*= A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Grain Size  
 (all values are in percent distribution)  
 From 01-JAN-2008 to 31-DEC-2008

Analyte	I-22	I-23	I-27	I-27	I-28
	P433209 02-JUL-2008	P413884 14-JAN-2008	P413693 09-JAN-2008	P433555 03-JUL-2008	P413698 09-JAN-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.000	0.000	0.105
>1 to 1.5 microns, Phi 9.5	0.000	0.000	0.000	0.000	0.480
>1.5 to 2 microns, Phi 9	0.000	0.000	0.000	0.008	0.591
>2.0 to 2.4 microns	0.000	0.000	0.000	0.160	0.534
>2.4 to 2.9 microns, Phi 8.5	0.088	0.000	0.091	0.198	0.692
>2.9 to 3.4 microns	0.148	0.099	0.147	0.197	0.705
>3.4 to 3.9 microns, Phi 8	0.159	0.123	0.149	0.202	0.751
>3.9 to 4 microns	0.034	0.027	0.031	0.042	0.153
>4.0 to 4.3 microns	0.098	0.076	0.088	0.120	0.439
>4.3 to 4.5 microns	0.063	0.049	0.056	0.077	0.282
>4.5 to 5 microns	0.170	0.133	0.146	0.202	0.739
>5 to 5.5 microns	0.171	0.134	0.143	0.198	0.723
>5.5 to 5.7 microns	0.066	0.052	0.055	0.076	0.278
>5.7 to 5.9 microns, Phi 7.5	0.065	0.051	0.054	0.075	0.272
>5.9 to 7.8 microns, Phi 7	0.631	0.497	0.500	0.701	2.490
>7.8 to 8 microns	0.065	0.051	0.050	0.071	0.249
>8 to 8.5 microns	0.155	0.122	0.120	0.170	0.596
>8.5 to 8.9 microns	0.119	0.094	0.092	0.130	0.457
>8.9 to 9.1 microns	0.061	0.047	0.047	0.066	0.230
>9.1 to 9.5 microns	0.118	0.092	0.091	0.128	0.446
>9.5 to 9.8 microns	0.085	0.066	0.066	0.093	0.322
>9.8 to 10.1 microns	0.082	0.064	0.064	0.090	0.313
>10.1 to 10.6 microns	0.141	0.109	0.108	0.154	0.531
>10.6 to 11.1 microns	0.135	0.104	0.103	0.146	0.506
>11.1 to 11.3 microns	0.052	0.040	0.040	0.057	0.196
>11.3 to 11.7 microns, Phi 6.5	0.102	0.079	0.079	0.112	0.383
>11.7 to 14 microns	0.537	0.406	0.424	0.597	2.010
>14 to 14.8 microns	0.169	0.126	0.135	0.190	0.636
>14.8 to 15.6 microns	0.162	0.120	0.133	0.186	0.614
>15.6 to 16 microns	0.079	0.058	0.066	0.092	0.301
>16 to 20 microns	0.696	0.502	0.607	0.835	2.700
>20 to 23 microns, Phi 5.5	0.437	0.305	0.419	0.564	1.770
>23 to 27 microns	0.518	0.353	0.553	0.725	2.180
>27 to 31 microns, Phi 5	0.493	0.335	0.591	0.751	2.070
>31 to 32 microns	0.127	0.087	0.164	0.204	0.520
>32 to 35.6 microns	0.473	0.330	0.642	0.785	1.860
>35.6 to 37 microns, Phi 4.75	0.201	0.144	0.290	0.347	0.745
>37 to 39.6 microns	0.376	0.274	0.554	0.657	1.360
>39.6 to 43.6 microns	0.733	0.573	1.170	1.340	2.310
>43.6 to 44 microns, Phi 4.5	0.070	0.055	0.111	0.127	0.219
>44 to 45 microns	0.177	0.140	0.286	0.326	0.549
>45 to 46.4 microns	0.360	0.320	0.639	0.695	0.933
>46.4 to 53 microns, Phi 4.25	1.760	1.650	3.210	3.440	4.280
>53 to 62.5 microns, Phi 4	3.570	4.130	7.240	7.270	6.790
>62.5 to 64 microns	0.655	0.841	1.390	1.350	1.100
>64 to 71.7 microns	3.790	5.520	8.210	7.820	5.670
>71.7 to 74 microns	1.220	1.910	2.670	2.500	1.670
>74 to 79.6 microns	3.100	5.230	6.710	6.230	3.960
>79.6 to 87.6 microns	4.650	8.540	9.900	9.070	5.380

SOUTH BAY OCEAN OUTFALL MONITORING  
OCEAN SEDIMENT ANNUAL SUMMARY  
Grain Size  
(all values are in percent distribution)  
From 01-JAN-2008 to 31-DEC-2008

Analyte	I-22	I-23	I-27	I-27	I-28
	P433209	P413884	P413693	P433555	P413698
	02-JUL-2008	14-JAN-2008	09-JAN-2008	03-JUL-2008	09-JAN-2008
>87.6 to 88 microns, Phi 3.5	0.221	0.406	0.471	0.432	0.256
>88 to 90 microns	1.200	2.320	2.350	2.150	1.250
>90 to 105 microns, Phi 3.25	8.640	16.800	15.600	14.400	8.380
>105 to 125 microns, Phi 3	10.200	17.700	14.000	13.100	8.380
>125 to 149 microns, Phi 2.75	10.200	13.100	9.190	8.980	6.790
>149 to 160 microns	3.970	3.550	2.330	2.390	2.130
>160 to 177 microns, Phi 2.5	5.500	4.060	2.600	2.730	2.630
>177 to 197 microns	5.510	2.730	1.700	1.900	2.080
>197 to 210 microns, Phi 2.25	3.070	1.110	0.685	0.802	0.937
>210 to 217 microns	1.540	0.486	0.299	0.359	0.433
>217 to 245 microns	5.280	1.380	0.848	1.050	1.290
>245 to 250 microns, Phi 2	0.825	0.173	0.107	0.138	0.173
>250 to 300 microns, Phi 1.75	6.470	1.090	0.678	0.921	1.130
>300 to 320 microns	1.680	0.203	0.131	0.195	0.215
>320 to 350 microns, Phi 1.5	2.190	0.261	0.168	0.253	0.273
>350 to 360 microns	0.529	0.058	0.039	0.061	0.058
>360 to 400 microns	1.900	0.209	0.139	0.219	0.205
>400 to 420 microns, Phi 1.25	0.648	0.073	0.051	0.082	0.067
>420 to 440 microns	0.618	0.070	0.048	0.078	0.063
>440 to 500 microns, Phi 1	1.280	0.161	0.116	0.185	0.138
>500 to 590 microns, Phi 0.75	0.981	0.041	0.029	0.047	0.034
>590 to 630 microns	0.195	0.000	0.000	0.000	0.000
>630 to 696 microns	0.210	0.000	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	0.000	0.000	0.000	0.000
>710 to 773 microns	0.000	0.000	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	0.000	0.000	0.000	0.000
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	0.000	0.000	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	0.000	0.000	0.000	0.000
1000 to 1100 microns	0.000	0.000	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.000	0.000	0.000
>1190 to 1300 microns	0.000	0.000	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000
>2000 microns*		ND	ND		4.01
Totals:	100.018	100.039	100.013	100.046	104.012

\*= A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

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Analyte	I-29		I-30		I-31
	P413703 09-JAN-2008	P433557 03-JUL-2008	P413708 09-JAN-2008	P433563 03-JUL-2008	P413713 09-JAN-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5	0.100	0.000	0.000	0.000	0.000
>1.5 to 2 microns, Phi 9	0.295	0.000	0.008	0.116	0.000
>2.0 to 2.4 microns	0.252	0.000	0.150	0.174	0.000
>2.4 to 2.9 microns, Phi 8.5	0.317	0.000	0.187	0.220	0.000
>2.9 to 3.4 microns	0.317	0.000	0.187	0.223	0.104
>3.4 to 3.9 microns, Phi 8	0.328	0.000	0.193	0.233	0.128
>3.9 to 4 microns	0.067	0.000	0.040	0.049	0.027
>4.0 to 4.3 microns	0.191	0.000	0.115	0.139	0.079
>4.3 to 4.5 microns	0.123	0.000	0.074	0.090	0.051
>4.5 to 5 microns	0.317	0.000	0.192	0.236	0.136
>5 to 5.5 microns	0.309	0.000	0.188	0.233	0.136
>5.5 to 5.7 microns	0.119	0.000	0.072	0.090	0.053
>5.7 to 5.9 microns, Phi 7.5	0.116	0.000	0.071	0.088	0.052
>5.9 to 7.8 microns, Phi 7	1.070	0.000	0.662	0.825	0.503
>7.8 to 8 microns	0.109	0.000	0.067	0.083	0.051
>8 to 8.5 microns	0.260	0.000	0.160	0.199	0.122
>8.5 to 8.9 microns	0.201	0.000	0.123	0.152	0.094
>8.9 to 9.1 microns	0.103	0.000	0.063	0.077	0.047
>9.1 to 9.5 microns	0.199	0.000	0.121	0.149	0.091
>9.5 to 9.8 microns	0.144	0.000	0.088	0.108	0.066
>9.8 to 10.1 microns	0.140	0.000	0.085	0.105	0.064
>10.1 to 10.6 microns	0.242	0.000	0.145	0.177	0.108
>10.6 to 11.1 microns	0.231	0.000	0.138	0.169	0.103
>11.1 to 11.3 microns	0.089	0.000	0.054	0.066	0.040
>11.3 to 11.7 microns, Phi 6.5	0.178	0.000	0.106	0.129	0.078
>11.7 to 14 microns	0.978	0.000	0.568	0.680	0.400
>14 to 14.8 microns	0.319	0.000	0.182	0.215	0.124
>14.8 to 15.6 microns	0.321	0.000	0.179	0.209	0.116
>15.6 to 16 microns	0.162	0.000	0.089	0.103	0.056
>16 to 20 microns	1.530	0.000	0.817	0.929	0.482
>20 to 23 microns, Phi 5.5	1.130	0.000	0.566	0.618	0.288
>23 to 27 microns	1.570	0.000	0.748	0.790	0.326
>27 to 31 microns, Phi 5	1.710	0.000	0.794	0.817	0.301
>31 to 32 microns	0.468	0.000	0.219	0.222	0.077
>32 to 35.6 microns	1.760	0.000	0.850	0.856	0.290
>35.6 to 37 microns, Phi 4.75	0.755	0.000	0.380	0.380	0.125
>37 to 39.6 microns	1.400	0.000	0.721	0.719	0.238
>39.6 to 43.6 microns	2.580	0.000	1.490	1.480	0.497
>43.6 to 44 microns, Phi 4.5	0.244	0.000	0.142	0.140	0.047
>44 to 45 microns	0.615	0.000	0.363	0.358	0.122
>45 to 46.4 microns	1.120	0.000	0.783	0.762	0.280
>46.4 to 53 microns, Phi 4.25	5.220	0.000	3.880	3.760	1.460
>53 to 62.5 microns, Phi 4	8.760	0.044	8.230	7.820	3.770
>62.5 to 64 microns	1.450	0.018	1.530	1.440	0.783
>64 to 71.7 microns	7.490	0.087	8.730	8.150	5.310
>71.7 to 74 microns	2.220	0.025	2.770	2.580	1.860
>74 to 79.6 microns	5.220	0.057	6.810	6.320	5.230
>79.6 to 87.6 microns	7.030	0.075	9.730	9.020	8.740

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Analyte	I-29	I-29	I-30	I-30	I-31
	P413703	P433557	P413708	P433563	P413713
	09-JAN-2008	03-JUL-2008	09-JAN-2008	03-JUL-2008	09-JAN-2008
>87.6 to 88 microns, Phi 3.5	0.334	0.004	0.463	0.429	0.416
>88 to 90 microns	1.590	0.018	2.240	2.080	2.430
>90 to 105 microns, Phi 3.25	10.500	0.125	14.600	13.700	17.800
>105 to 125 microns, Phi 3	9.820	0.152	12.600	12.200	18.700
>125 to 149 microns, Phi 2.75	7.370	0.179	8.110	8.240	13.400
>149 to 160 microns	2.140	0.089	2.020	2.200	3.470
>160 to 177 microns, Phi 2.5	2.550	0.140	2.230	2.520	3.850
>177 to 197 microns	1.870	0.187	1.430	1.770	2.460
>197 to 210 microns, Phi 2.25	0.801	0.145	0.566	0.758	0.959
>210 to 217 microns	0.361	0.080	0.245	0.341	0.412
>217 to 245 microns	1.050	0.366	0.683	1.010	1.140
>245 to 250 microns, Phi 2	0.135	0.071	0.084	0.135	0.139
>250 to 300 microns, Phi 1.75	0.859	0.864	0.519	0.921	0.860
>300 to 320 microns	0.159	0.506	0.094	0.205	0.156
>320 to 350 microns, Phi 1.5	0.202	0.787	0.121	0.268	0.200
>350 to 360 microns	0.044	0.355	0.027	0.066	0.045
>360 to 400 microns	0.156	1.450	0.087	0.241	0.161
>400 to 420 microns, Phi 1.25	0.053	1.030	0.000	0.092	0.058
>420 to 440 microns	0.051	0.986	0.000	0.088	0.055
>440 to 500 microns, Phi 1	0.115	4.330	0.000	0.212	0.131
>500 to 590 microns, Phi 0.75	0.029	9.640	0.000	0.054	0.033
>590 to 630 microns	0.000	6.400	0.000	0.000	0.000
>630 to 696 microns	0.000	10.800	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	2.650	0.000	0.000	0.000
>710 to 773 microns	0.000	11.300	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	11.700	0.000	0.000	0.000
>840 to 850 microns	0.000	1.670	0.000	0.000	0.000
>850 to 930 microns	0.000	11.300	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	8.000	0.000	0.000	0.000
1000 to 1100 microns	0.000	6.670	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	4.010	0.000	0.000	0.000
>1190 to 1300 microns	0.000	2.050	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.000	1.040	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75	0.000	0.591	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000
>2000 microns*	ND		ND		ND
Totals:	100.058	99.991	99.979	100.028	99.930

\*= A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

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Analyte	I-31	I-33	I-33	I-34	I-35
	P433567	P413718	P433575	P433580	P413723
	03-JUL-2008	09-JAN-2008	03-JUL-2008	03-JUL-2008	09-JAN-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5	0.000	0.000	0.000	0.000	0.220
>1.5 to 2 microns, Phi 9	0.000	0.276	0.122	0.000	0.323
>2.0 to 2.4 microns	0.000	0.253	0.189	0.000	0.259
>2.4 to 2.9 microns, Phi 8.5	0.000	0.334	0.248	0.000	0.314
>2.9 to 3.4 microns	0.000	0.349	0.261	0.000	0.304
>3.4 to 3.9 microns, Phi 8	0.121	0.379	0.282	0.000	0.304
>3.9 to 4 microns	0.027	0.079	0.060	0.000	0.062
>4.0 to 4.3 microns	0.077	0.228	0.172	0.000	0.179
>4.3 to 4.5 microns	0.050	0.147	0.111	0.000	0.115
>4.5 to 5 microns	0.135	0.393	0.298	0.000	0.295
>5 to 5.5 microns	0.137	0.389	0.296	0.000	0.295
>5.5 to 5.7 microns	0.053	0.150	0.114	0.000	0.114
>5.7 to 5.9 microns, Phi 7.5	0.053	0.148	0.113	0.000	0.112
>5.9 to 7.8 microns, Phi 7	0.519	1.390	1.070	0.000	1.070
>7.8 to 8 microns	0.054	0.139	0.107	0.000	0.118
>8 to 8.5 microns	0.128	0.333	0.255	0.000	0.281
>8.5 to 8.9 microns	0.099	0.255	0.195	0.000	0.220
>8.9 to 9.1 microns	0.050	0.128	0.098	0.000	0.118
>9.1 to 9.5 microns	0.097	0.247	0.189	0.000	0.229
>9.5 to 9.8 microns	0.070	0.179	0.137	0.000	0.165
>9.8 to 10.1 microns	0.068	0.174	0.133	0.000	0.161
>10.1 to 10.6 microns	0.117	0.293	0.222	0.000	0.296
>10.6 to 11.1 microns	0.111	0.280	0.212	0.000	0.282
>11.1 to 11.3 microns	0.043	0.108	0.082	0.000	0.109
>11.3 to 11.7 microns, Phi 6.5	0.084	0.210	0.159	0.000	0.223
>11.7 to 14 microns	0.435	1.070	0.809	0.000	1.310
>14 to 14.8 microns	0.135	0.332	0.249	0.000	0.447
>14.8 to 15.6 microns	0.128	0.311	0.233	0.000	0.462
>15.6 to 16 microns	0.061	0.148	0.111	0.000	0.238
>16 to 20 microns	0.531	1.280	0.956	0.000	2.340
>20 to 23 microns, Phi 5.5	0.317	0.759	0.563	0.000	1.840
>23 to 27 microns	0.359	0.832	0.623	0.000	2.580
>27 to 31 microns, Phi 5	0.333	0.709	0.546	0.000	2.660
>31 to 32 microns	0.085	0.165	0.131	0.000	0.686
>32 to 35.6 microns	0.321	0.576	0.469	0.000	2.440
>35.6 to 37 microns, Phi 4.75	0.139	0.222	0.187	0.000	0.969
>37 to 39.6 microns	0.263	0.403	0.344	0.000	1.750
>39.6 to 43.6 microns	0.548	0.685	0.616	0.000	2.860
>43.6 to 44 microns, Phi 4.5	0.052	0.065	0.058	0.000	0.271
>44 to 45 microns	0.134	0.163	0.148	0.001	0.675
>45 to 46.4 microns	0.307	0.294	0.281	0.026	1.080
>46.4 to 53 microns, Phi 4.25	1.590	1.410	1.360	0.123	4.900
>53 to 62.5 microns, Phi 4	4.040	2.740	2.790	0.216	7.340
>62.5 to 64 microns	0.830	0.508	0.528	0.038	1.160
>64 to 71.7 microns	5.530	3.160	3.330	0.229	5.950
>71.7 to 74 microns	1.920	1.060	1.130	0.075	1.750
>74 to 79.6 microns	5.330	2.970	3.150	0.214	4.160
>79.6 to 87.6 microns	8.790	4.940	5.250	0.362	5.710



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Analyte	I-31	I-33	I-33	I-34	I-35
	P433567	P413718	P433575	P433580	P413723
	03-JUL-2008	09-JAN-2008	03-JUL-2008	03-JUL-2008	09-JAN-2008
>87.6 to 88 microns, Phi 3.5	0.418	0.235	0.250	0.017	0.272
>88 to 90 microns	2.400	1.510	1.580	0.125	1.360
>90 to 105 microns, Phi 3.25	17.400	11.900	12.400	1.130	9.250
>105 to 125 microns, Phi 3	18.000	16.300	16.500	2.560	9.570
>125 to 149 microns, Phi 2.75	12.900	15.600	15.400	5.230	7.820
>149 to 160 microns	3.380	4.960	4.870	3.680	2.390
>160 to 177 microns, Phi 2.5	3.790	6.020	5.930	6.390	2.910
>177 to 197 microns	2.490	4.320	4.390	9.500	2.170
>197 to 210 microns, Phi 2.25	0.998	1.750	1.870	6.810	0.931
>210 to 217 microns	0.435	0.769	0.843	3.680	0.419
>217 to 245 microns	1.230	2.120	2.450	13.800	1.210
>245 to 250 microns, Phi 2	0.155	0.256	0.317	2.330	0.155
>250 to 300 microns, Phi 1.75	0.987	1.500	2.050	18.700	0.968
>300 to 320 microns	0.193	0.227	0.401	4.570	0.172
>320 to 350 microns, Phi 1.5	0.249	0.282	0.514	5.870	0.218
>350 to 360 microns	0.058	0.054	0.116	1.280	0.046
>360 to 400 microns	0.209	0.191	0.416	4.530	0.164
>400 to 420 microns, Phi 1.25	0.077	0.059	0.145	1.370	0.054
>420 to 440 microns	0.073	0.056	0.139	1.300	0.052
>440 to 500 microns, Phi 1	0.175	0.122	0.313	2.480	0.117
>500 to 590 microns, Phi 0.75	0.044	0.030	0.078	1.960	0.029
>590 to 630 microns	0.000	0.000	0.000	0.436	0.000
>630 to 696 microns	0.000	0.000	0.000	0.564	0.000
>696 to 710 microns, Phi 0.5	0.000	0.000	0.000	0.071	0.000
>710 to 773 microns	0.000	0.000	0.000	0.302	0.000
>773 to 840 microns, Phi 0.25	0.000	0.000	0.000	0.019	0.000
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	0.000	0.000	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	0.000	0.000	0.000	0.000
1000 to 1100 microns	0.000	0.000	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.000	0.000	0.000
>1190 to 1300 microns	0.000	0.000	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000
>2000 microns*		ND			ND
Totals:	99.932	99.924	99.959	99.988	100.023

\*= A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

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Analyte	I-35 P433585 03-JUL-2008
=====	=====
<0.500 microns, Phi 11	0.000
>0.5 to 1 microns, Phi 10	0.000
>1 to 1.5 microns, Phi 9.5	0.108
>1.5 to 2 microns, Phi 9	0.302
>2.0 to 2.4 microns	0.244
>2.4 to 2.9 microns, Phi 8.5	0.301
>2.9 to 3.4 microns	0.298
>3.4 to 3.9 microns, Phi 8	0.304
>3.9 to 4 microns	0.063
>4.0 to 4.3 microns	0.181
>4.3 to 4.5 microns	0.116
>4.5 to 5 microns	0.304
>5 to 5.5 microns	0.304
>5.5 to 5.7 microns	0.118
>5.7 to 5.9 microns, Phi 7.5	0.116
>5.9 to 7.8 microns, Phi 7	1.120
>7.8 to 8 microns	0.122
>8 to 8.5 microns	0.292
>8.5 to 8.9 microns	0.228
>8.9 to 9.1 microns	0.122
>9.1 to 9.5 microns	0.236
>9.5 to 9.8 microns	0.170
>9.8 to 10.1 microns	0.166
>10.1 to 10.6 microns	0.303
>10.6 to 11.1 microns	0.289
>11.1 to 11.3 microns	0.112
>11.3 to 11.7 microns, Phi 6.5	0.227
>11.7 to 14 microns	1.320
>14 to 14.8 microns	0.447
>14.8 to 15.6 microns	0.459
>15.6 to 16 microns	0.236
>16 to 20 microns	2.290
>20 to 23 microns, Phi 5.5	1.770
>23 to 27 microns	2.470
>27 to 31 microns, Phi 5	2.560
>31 to 32 microns	0.666
>32 to 35.6 microns	2.380
>35.6 to 37 microns, Phi 4.75	0.957
>37 to 39.6 microns	1.730
>39.6 to 43.6 microns	2.870
>43.6 to 44 microns, Phi 4.5	0.272
>44 to 45 microns	0.679
>45 to 46.4 microns	1.110
>46.4 to 53 microns, Phi 4.25	5.010
>53 to 62.5 microns, Phi 4	7.580
>62.5 to 64 microns	1.200
>64 to 71.7 microns	6.140
>71.7 to 74 microns	1.800
>74 to 79.6 microns	4.260
>79.6 to 87.6 microns	5.790

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Grain Size  
 (all values are in percent distribution)  
 From 01-JAN-2008 to 31-DEC-2008

Analyte	I-35 P433585 03-JUL-2008
>87.6 to 88 microns, Phi 3.5	0.276
>88 to 90 microns	1.350
>90 to 105 microns, Phi 3.25	9.130
>105 to 125 microns, Phi 3	9.160
>125 to 149 microns, Phi 2.75	7.320
>149 to 160 microns	2.240
>160 to 177 microns, Phi 2.5	2.730
>177 to 197 microns	2.110
>197 to 210 microns, Phi 2.25	0.947
>210 to 217 microns	0.436
>217 to 245 microns	1.320
>245 to 250 microns, Phi 2	0.179
>250 to 300 microns, Phi 1.75	1.220
>300 to 320 microns	0.261
>320 to 350 microns, Phi 1.5	0.339
>350 to 360 microns	0.080
>360 to 400 microns	0.289
>400 to 420 microns, Phi 1.25	0.104
>420 to 440 microns	0.099
>440 to 500 microns, Phi 1	0.228
>500 to 590 microns, Phi 0.75	0.057
>590 to 630 microns	0.000
>630 to 696 microns	0.000
>696 to 710 microns, Phi 0.5	0.000
>710 to 773 microns	0.000
>773 to 840 microns, Phi 0.25	0.000
>840 to 850 microns	0.000
>850 to 930 microns	0.000
>930 to 1000 microns, Phi 0	0.000
1000 to 1100 microns	0.000
>1100 to 1190 microns, Phi -0.25	0.000
>1190 to 1300 microns	0.000
>1300 to 1410 microns, Phi -0.5	0.000
>1410 to 1680 microns, Phi -0.75	0.000
>1680 to 2000 microns, Phi -1	0.000
Totals:	100.017

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 (all values are in percent distribution)

From 01-JAN-2008 to 31-DEC-2008

Analyte	I-23	I-28	I-34
	P433215	P434182	P413614
	02-JUL-2008	08-JUL-2008	08-JAN-2008
<63 microns, Phi<4	3.1	29.1	0.0
>63 to 125 microns, Phi>4	15.1	20.5	0.4
>125 to 250 microns, Phi>3	1.8	3.6	7.4
>250 to 500 microns, Phi>2	26.3	14.1	18.9
>500 to 1000 microns, Phi>1	23.1	22.3	20.4
>1000 to 2000 microns, Phi>0	9.3	6.3	14.6
>2000 microns, Phi>-1	21.4	4.1	38.5
Totals:	100.1	100.0	100.2

SOUTH BAY WATER RECLAMATION PLANT  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Total Organic Carbon/Total Nitrogen  
 From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	I-1	I-2	I-3	I-4	I-6	I-7
			Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008
Total Nitrogen	.005	WT%	0.020	ND	0.005	ND	0.012	0.016
Total Organic Carbon	.01	WT%	0.266	0.049	0.044	0.064	0.089	0.140

Analyte	MDL	Units	I-8	I-9	I-10	I-12	I-13	I-14
			Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008
Total Nitrogen	.005	WT%	0.015	0.019	0.014	0.014	0.005	0.021
Total Organic Carbon	.01	WT%	0.119	0.198	0.122	0.121	0.140	0.190

Analyte	MDL	Units	I-15	I-16	I-18	I-20	I-21	I-22
			Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008
Total Nitrogen	.005	WT%	0.006	0.008	0.014	ND	0.015	0.021
Total Organic Carbon	.01	WT%	0.099	0.094	0.119	0.054	0.178	0.173

Analyte	MDL	Units	I-23	I-27	I-28	I-29	I-30	I-31
			Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008
Total Nitrogen	.005	WT%	0.026	0.016	0.058	0.021	0.022	0.012
Total Organic Carbon	.01	WT%	1.700	0.155	0.853	0.302	0.201	0.097

Analyte	MDL	Units	I-33	I-34	I-35
			Avg 2008	Avg 2008	Avg 2008
Total Nitrogen	.005	WT%	0.024	0.005	0.032
Total Organic Carbon	.01	WT%	0.441	0.162	0.249

ND=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY WASTEWATER RECLAMATION PLANT  
OCEAN SEDIMENT ANNUAL SUMMARY  
Trace Metals

From: 01-JAN-2008 To: 31-DEC-2008

Source:			I-1	I-2	I-3	I-4	I-6
Date:			2008	2008	2008	2008	2008
Analyte:	MDL Units		Average	Average	Average	Average	Average
=====	====	=====	=====	=====	=====	=====	=====
Aluminum	2 MG/KG		2970	1200	862	956	1150
Antimony	.3 MG/KG		0.367	ND	<0.300	<0.300	<0.300
Arsenic	.33 MG/KG		0.92	<0.33	1.19	1.25	4.70
Beryllium	.01 MG/KG		ND	ND	ND	ND	ND
Cadmium	.06 MG/KG		0.074	0.086	ND	<0.060	<0.060
Chromium	.1 MG/KG		7.4	5.9	6.5	4.7	8.4
Copper	.2 MG/KG		1.36	0.96	0.62	0.55	0.41
Iron	9 MG/KG		3850	1320	2060	1990	4200
Lead	.8 MG/KG		0.86	ND	<0.80	1.07	1.36
Manganese	.08 MG/KG		50.7	10.8	9.1	18.6	12.8
Mercury	.003 MG/KG		0.006	ND	ND	ND	ND
Nickel	.1 MG/KG		2.74	0.86	0.94	0.72	0.78
Selenium	.24 MG/KG		ND	ND	ND	ND	ND
Silver	.04 MG/KG		1.35	0.14	ND	0.80	0.05
Thallium	.5 MG/KG		ND	ND	ND	ND	ND
Tin	.3 MG/KG		1.3	1.3	0.5	0.6	1.3
Zinc	.2 MG/KG		9.0	3.6	3.3	4.8	13.8

Source:			I-7	I-8	I-9	I-10	I-12
Date:			2008	2008	2008	2008	2008
Analyte:	MDL Units		Average	Average	Average	Average	Average
=====	====	=====	=====	=====	=====	=====	=====
Aluminum	2 MG/KG		1290	2190	7980	4820	3230
Antimony	.3 MG/KG		<0.300	<0.300	<0.300	0.334	ND
Arsenic	.33 MG/KG		5.32	2.45	1.54	1.38	1.88
Beryllium	.01 MG/KG		ND	ND	ND	ND	ND
Cadmium	.06 MG/KG		ND	<0.060	ND	<0.060	ND
Chromium	.1 MG/KG		9.3	10.1	12.4	11.0	6.0
Copper	.2 MG/KG		0.37	0.84	2.98	1.15	1.02
Iron	9 MG/KG		7110	4690	8070	6150	3990
Lead	.8 MG/KG		1.82	1.02	ND	<0.80	ND
Manganese	.08 MG/KG		21.7	27.4	86.0	60.9	37.8
Mercury	.003 MG/KG		ND	<0.003	<0.003	<0.003	ND
Nickel	.1 MG/KG		0.89	1.42	4.60	2.43	1.54
Selenium	.24 MG/KG		ND	ND	ND	ND	ND
Silver	.04 MG/KG		ND	0.18	2.30	1.89	0.51
Thallium	.5 MG/KG		ND	ND	<0.50	<0.50	ND
Tin	.3 MG/KG		0.5	1.2	1.2	1.1	0.7
Zinc	.2 MG/KG		6.5	9.1	20.0	12.5	9.1

ND= not detected  
NA= not analyzed  
NS= not sampled

SOUTH BAY WASTEWATER RECLAMATION PLANT  
OCEAN SEDIMENT ANNUAL SUMMARY  
Trace Metals

From: 01-JAN-2008 To: 31-DEC-2008

Source:		I-13	I-14	I-15	I-16	I-18
Date:		2008	2008	2008	2008	2008
Analyte:	MDL Units	Average	Average	Average	Average	Average
=====	====	=====	=====	=====	=====	=====
Aluminum	2 MG/KG	4000	8190	2760	4470	5410
Antimony	.3 MG/KG	<0.300	ND	ND	ND	ND
Arsenic	.33 MG/KG	6.68	1.69	2.48	1.49	1.26
Beryllium	.01 MG/KG	ND	ND	ND	ND	ND
Cadmium	.06 MG/KG	<0.060	ND	ND	ND	ND
Chromium	.1 MG/KG	10.4	11.6	9.1	7.5	11.3
Copper	.2 MG/KG	1.95	3.22	0.88	1.96	2.21
Iron	9 MG/KG	7050	8200	4970	5560	7030
Lead	.8 MG/KG	0.97	ND	1.17	ND	ND
Manganese	.08 MG/KG	51.1	82.8	30.4	56.2	77.7
Mercury	.003 MG/KG	ND	ND	ND	ND	ND
Nickel	.1 MG/KG	2.16	3.89	1.31	1.93	2.43
Selenium	.24 MG/KG	ND	ND	ND	ND	ND
Silver	.04 MG/KG	ND	0.28	0.44	0.66	0.26
Thallium	.5 MG/KG	ND	<0.50	ND	ND	ND
Tin	.3 MG/KG	1.1	1.3	1.1	1.4	1.4
Zinc	.2 MG/KG	12.7	20.5	10.1	12.9	12.8

Source:		I-20	I-21	I-22	I-23	I-27
Date:		2008	2008	2008	2008	2008
Analyte:	MDL Units	Average	Average	Average	Average	Average
=====	====	=====	=====	=====	=====	=====
Aluminum	2 MG/KG	1930	1350	4650	4690	7200
Antimony	.3 MG/KG	<0.300	<0.300	ND	<0.300	<0.300
Arsenic	.33 MG/KG	3.18	7.47	1.40	1.74	1.40
Beryllium	.01 MG/KG	ND	ND	ND	ND	ND
Cadmium	.06 MG/KG	0.084	ND	<0.060	<0.060	<0.060
Chromium	.1 MG/KG	11.9	8.7	8.8	8.4	11.2
Copper	.2 MG/KG	1.23	0.64	2.31	1.73	2.67
Iron	9 MG/KG	8930	6400	5070	5420	7040
Lead	.8 MG/KG	2.61	1.70	<0.80	<0.80	<0.80
Manganese	.08 MG/KG	23.8	16.7	49.6	58.1	73.5
Mercury	.003 MG/KG	ND	ND	0.003	ND	ND
Nickel	.1 MG/KG	1.18	0.88	2.63	2.30	3.48
Selenium	.24 MG/KG	ND	ND	ND	ND	ND
Silver	.04 MG/KG	ND	ND	0.75	0.69	1.18
Thallium	.5 MG/KG	ND	ND	ND	<0.50	<0.50
Tin	.3 MG/KG	1.7	1.5	1.2	1.3	1.7
Zinc	.2 MG/KG	9.9	6.7	11.7	12.3	17.5

ND= not detected  
NA= not analyzed  
NS= not sampled

SOUTH BAY WASTEWATER RECLAMATION PLANT  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Trace Metals

From: 01-JAN-2008 To: 31-DEC-2008

Source:			I-28	I-29	I-30	I-31	I-33
Date:			2008	2008	2008	2008	2008
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average
=====	====	=====	=====	=====	=====	=====	=====
Aluminum	2 MG/KG	8060	5120	6840	4030	5170	
Antimony	.3 MG/KG	<0.300	<0.300	<0.300	ND	<0.300	
Arsenic	.33 MG/KG	2.51	4.75	1.95	1.04	1.68	
Beryllium	.01 MG/KG	ND	ND	ND	ND	ND	
Cadmium	.06 MG/KG	<0.060	ND	ND	<0.060	0.068	
Chromium	.1 MG/KG	12.9	10.3	11.3	7.8	8.8	
Copper	.2 MG/KG	5.14	2.41	2.72	1.42	2.65	
Iron	9 MG/KG	9380	8420	6870	4020	6370	
Lead	.8 MG/KG	2.74	1.70	<0.80	<0.80	2.04	
Manganese	.08 MG/KG	78.7	53.8	67.5	54.2	74.4	
Mercury	.003 MG/KG	0.023	0.008	0.006	ND	0.017	
Nickel	.1 MG/KG	6.62	3.36	3.61	1.76	2.75	
Selenium	.24 MG/KG	ND	ND	ND	ND	ND	
Silver	.04 MG/KG	1.86	1.68	1.85	0.97	0.99	
Thallium	.5 MG/KG	<0.50	<0.50	ND	ND	ND	
Tin	.3 MG/KG	1.5	1.2	1.1	0.9	0.9	
Zinc	.2 MG/KG	24.5	15.3	18.4	10.6	17.0	

Source:			I-34	I-35
Date:			2008	2008
Analyte:	MDL Units	Average	Average	Average
=====	====	=====	=====	=====
Aluminum	2 MG/KG	1510	8800	
Antimony	.3 MG/KG	ND	<0.300	
Arsenic	.33 MG/KG	1.21	2.25	
Beryllium	.01 MG/KG	ND	ND	
Cadmium	.06 MG/KG	<0.060	0.067	
Chromium	.1 MG/KG	4.0	14.2	
Copper	.2 MG/KG	0.79	4.28	
Iron	9 MG/KG	3350	10400	
Lead	.8 MG/KG	1.55	2.27	
Manganese	.08 MG/KG	40.6	104.0	
Mercury	.003 MG/KG	0.015	0.009	
Nickel	.1 MG/KG	0.84	5.02	
Selenium	.24 MG/KG	ND	ND	
Silver	.04 MG/KG	<0.04	3.25	
Thallium	.5 MG/KG	ND	<0.50	
Tin	.3 MG/KG	1.0	0.9	
Zinc	.2 MG/KG	6.6	29.5	

ND= not detected  
 NA= not analyzed  
 NS= not sampled



SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Chlorinated Pesticide

From 01-JAN-2008 To 31-DEC-2008

		I-1	I-2	I-3	I-4	I-6	I-7	I-8	I-9
		2008	2008	2008	2008	2008	2008	2008	2008
	MDL Units	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Aldrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDD	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDE	400 NG/KG	ND	ND	<400	ND	ND	ND	<400	ND
p,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDD	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Aldrin + Dieldrin	700 NG/KG	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0	0	0	0	0	0
DDT and derivatives	700 NG/KG	0	0	0	0	0	0	0	0
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0	0	0
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	700 NG/KG	0	0	0	0	0	0	0	0

nd=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Chlorinated Pesticide

From 01-JAN-2008 To 31-DEC-2008

		I-10	I-12	I-13	I-14	I-15	I-16	I-18	I-20
	MDL Units	2008	2008	2008	2008	2008	2008	2008	2008
		Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
===== Aldrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDD	700 NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
p,p-DDE	400 NG/KG	ND	ND	<400	ND	<400	ND	<400	ND
p,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDD	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
===== Aldrin + Dieldrin	700 NG/KG	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0	0	0	0	0	0
DDT and derivatives	700 NG/KG	0	0	0	0	0	0	0	0
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0	0	0
===== Chlorinated Hydrocarbons	700 NG/KG	0	0	0	0	0	0	0	0

nd=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Chlorinated Pesticide

From 01-JAN-2008 To 31-DEC-2008

		I-21	I-22	I-23	I-27	I-28	I-29	I-30	I-31
		2008	2008	2008	2008	2008	2008	2008	2008
	MDL Units	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Aldrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND	<400	ND	ND	ND	ND
BHC, Gamma isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDD	700 NG/KG	ND	ND	ND	ND	ND	<700	ND	ND
p,p-DDE	400 NG/KG	ND	<400	ND	ND	620	855	ND	ND
p,p-DDT	700 NG/KG	ND	ND	ND	ND	<700	<700	ND	ND
o,p-DDD	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Aldrin + Dieldrin	700 NG/KG	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0	0	0	0	0	0
DDT and derivatives	700 NG/KG	0	0	0	0	620	855	0	0
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0	0	0
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	700 NG/KG	0	0	0	0	620	855	0da	0

nd=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 Chlorinated Pesticide

From 01-JAN-2008 To 31-DEC-2008

		I-33	I-34	I-35
		2008	2008	2008
	MDL Units	Avg	Avg	Avg
=====	====	=====	=====	=====
Aldrin	700 NG/KG	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND
BHC, Gamma isomer	400 NG/KG	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND
p,p-DDD	700 NG/KG	ND	ND	ND
p,p-DDE	400 NG/KG	<400	ND	ND
p,p-DDT	700 NG/KG	ND	ND	ND
o,p-DDD	400 NG/KG	ND	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND
Heptachlor epoxide	700 NG/KG	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND
=====	====	=====	=====	=====
Aldrin + Dieldrin	700 NG/KG	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0
DDT and derivatives	700 NG/KG	0	0	0
Chlordane + related cmpds.	700 NG/KG	0	0	0
=====	====	=====	=====	=====
Chlorinated Hydrocarbons	700 NG/KG	0	0	0

nd=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 PCB Congeners

From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	I-1	I-2	I-3	I-4	I-6	I-7
			2008	2008	2008	2008	2008	2008
			Avg	Avg	Avg	Avg	Avg	Avg
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	0	0	0

ND=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 PCB Congeners

From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	I-8	I-9	I-10	I-12	I-13	I-14
			2008 Avg	2008 Avg	2008 Avg	2008 Avg	2008 Avg	2008 Avg
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	ND	ND	<700
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	<700	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	<700	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	<700	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	<700	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	0	0	0

ND=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 PCB Congeners

From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	I-15	I-16	I-18	I-20	I-21	I-22
			2008	2008	2008	2008	2008	2008
			Avg	Avg	Avg	Avg	Avg	Avg
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	<700	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	0	0	0

ND=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 PCB Congeners

From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	I-23	I-27	I-28	I-29	I-30	I-31
			2008	2008	2008	2008	2008	2008
			Avg	Avg	Avg	Avg	Avg	Avg
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 66	700	NG/KG	<700	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	<700	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	<700	ND	<700	ND	ND	ND
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	<700	ND	<700	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	<700	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	<700	ND	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	<700	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	<700	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	<400	ND	<400	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	0	0	0

ND=not detected; NS=not sampled; NA=not analyzed



SOUTH BAY OCEAN OUTFALL MONITORING  
 OCEAN SEDIMENT ANNUAL SUMMARY  
 PCB Congeners

From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	I-33 2008 Avg	I-34 2008 Avg	I-35 2008 Avg
PCB 18	700	NG/KG	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND
PCB 81	700	NG/KG	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0

ND=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING  
OCEAN SEDIMENT ANNUAL SUMMARY  
Base/Neutrals

From 01-JAN-2008 To 31-DEC-2008

			I-1	I-2	I-3	I-4	I-6	I-7	I-8
			2008	2008	2008	2008	2008	2008	2008
	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg	Avg
Acenaphthene	11	UG/KG	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	11	UG/KG	ND	ND	ND	ND	ND	ND	ND
Anthracene	14	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	34	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	55	UG/KG	ND	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	63	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	57	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	56	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	82	UG/KG	ND	ND	ND	ND	ND	ND	ND
Biphenyl	89	UG/KG	ND	ND	ND	ND	ND	<89	ND
Chrysene	36	UG/KG	ND	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	32	UG/KG	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	106	UG/KG	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	24	UG/KG	ND	ND	ND	ND	ND	ND	ND
Fluorene	18	UG/KG	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	76	UG/KG	ND	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	41	UG/KG	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	102	UG/KG	ND	ND	ND	ND	ND	<102	ND
1-methylnaphthalene	70	UG/KG	ND	ND	ND	ND	ND	<70	ND
Naphthalene	21	UG/KG	ND	ND	ND	<21	ND	ND	ND
Perylene	58	UG/KG	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	32	UG/KG	ND	ND	ND	ND	ND	ND	ND
Pyrene	35	UG/KG	ND	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	134	UG/KG	ND	ND	ND	ND	ND	ND	ND
Base/Neutral Compounds			0	0	0	0	0	0	0

			I-9	I-10	I-12	I-13	I-14	I-15	I-16
			2008	2008	2008	2008	2008	2008	2008
	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg	Avg
Acenaphthene	11	UG/KG	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	11	UG/KG	ND	ND	ND	ND	ND	ND	ND
Anthracene	14	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	34	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	55	UG/KG	ND	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	63	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	57	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	56	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	82	UG/KG	ND	ND	ND	ND	ND	ND	ND
Biphenyl	89	UG/KG	ND	ND	ND	<89	ND	ND	ND
Chrysene	36	UG/KG	ND	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	32	UG/KG	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	106	UG/KG	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	24	UG/KG	ND	ND	ND	ND	ND	ND	ND
Fluorene	18	UG/KG	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	76	UG/KG	ND	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	41	UG/KG	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	102	UG/KG	ND	ND	ND	<102	<102	ND	ND
1-methylnaphthalene	70	UG/KG	ND	ND	ND	<70	ND	ND	ND
Naphthalene	21	UG/KG	ND	ND	ND	25	<21	ND	ND
Perylene	58	UG/KG	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	32	UG/KG	ND	ND	ND	ND	ND	ND	ND
Pyrene	35	UG/KG	ND	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	134	UG/KG	ND	ND	ND	ND	ND	ND	ND
Base/Neutral Compounds			0	0	0	25	0	0	0

ND=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING  
OCEAN SEDIMENT ANNUAL SUMMARY  
Base/Neutrals

From 01-JAN-2008 To 31-DEC-2008

			I-18 2008 Avg	I-20 2008 Avg	I-21 2008 Avg	I-22 2008 Avg	I-23 2008 Avg	I-27 2008 Avg	I-28 2008 Avg
=====	MDL	Units	=====	=====	=====	=====	=====	=====	=====
Acenaphthene	11	UG/KG	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	11	UG/KG	ND	ND	ND	ND	ND	ND	ND
Anthracene	14	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	34	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	55	UG/KG	ND	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	63	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	57	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	56	UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	82	UG/KG	ND	ND	ND	ND	ND	ND	ND
Biphenyl	89	UG/KG	ND	ND	ND	ND	ND	ND	ND
Chrysene	36	UG/KG	ND	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	32	UG/KG	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	106	UG/KG	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	24	UG/KG	ND	ND	ND	ND	ND	ND	ND
Fluorene	18	UG/KG	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	76	UG/KG	ND	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	41	UG/KG	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	102	UG/KG	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	70	UG/KG	ND	ND	ND	ND	ND	ND	ND
Naphthalene	21	UG/KG	ND	ND	<21	ND	ND	<21	ND
Perylene	58	UG/KG	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	32	UG/KG	ND	ND	ND	ND	ND	ND	ND
Pyrene	35	UG/KG	ND	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	134	UG/KG	ND	ND	ND	ND	ND	ND	ND
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Base/Neutral Compounds			0	0	0	0	0	0	0

			I-29 2008 Avg	I-30 2008 Avg	I-31 2008 Avg	I-33 2008 Avg	I-34 2008 Avg	I-35 2008 Avg
=====	MDL	Units	=====	=====	=====	=====	=====	=====
Acenaphthene	11	UG/KG	ND	ND	ND	ND	ND	ND
Acenaphthylene	11	UG/KG	ND	ND	ND	ND	ND	ND
Anthracene	14	UG/KG	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	34	UG/KG	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	55	UG/KG	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	63	UG/KG	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	57	UG/KG	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	56	UG/KG	<56	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	82	UG/KG	ND	ND	ND	ND	ND	ND
Biphenyl	89	UG/KG	ND	ND	ND	ND	ND	ND
Chrysene	36	UG/KG	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	32	UG/KG	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	106	UG/KG	ND	ND	ND	ND	ND	ND
Fluoranthene	24	UG/KG	ND	ND	ND	ND	ND	ND
Fluorene	18	UG/KG	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	76	UG/KG	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	41	UG/KG	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	102	UG/KG	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	70	UG/KG	ND	ND	ND	ND	ND	ND
Naphthalene	21	UG/KG	<21	<21	<21	ND	<21	<21
Perylene	58	UG/KG	ND	ND	ND	ND	ND	ND
Phenanthrene	32	UG/KG	ND	ND	ND	ND	ND	ND
Pyrene	35	UG/KG	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	134	UG/KG	ND	ND	ND	ND	ND	ND
=====	=====	=====	=====	=====	=====	=====	=====	=====
Base/Neutral Compounds			0	0	0	0	0	0

ND=not detected; NS=not sampled; NA=not analyzed

**B. Fish Tissue Data.**

Fish were taken from the following stations during 2008. The fish were dissected, preserved by freezing, and each sample analyzed for PAHs, trace metals, chlorinated pesticides and PCBs. Lipids and total solids were also determined for each sample.

The reported values are annual averages. Results for individual sampling events are contained in the previously published quarterly reports.

Station

RF-3

RF-4

Station

SD-15

SD-16

SD-17

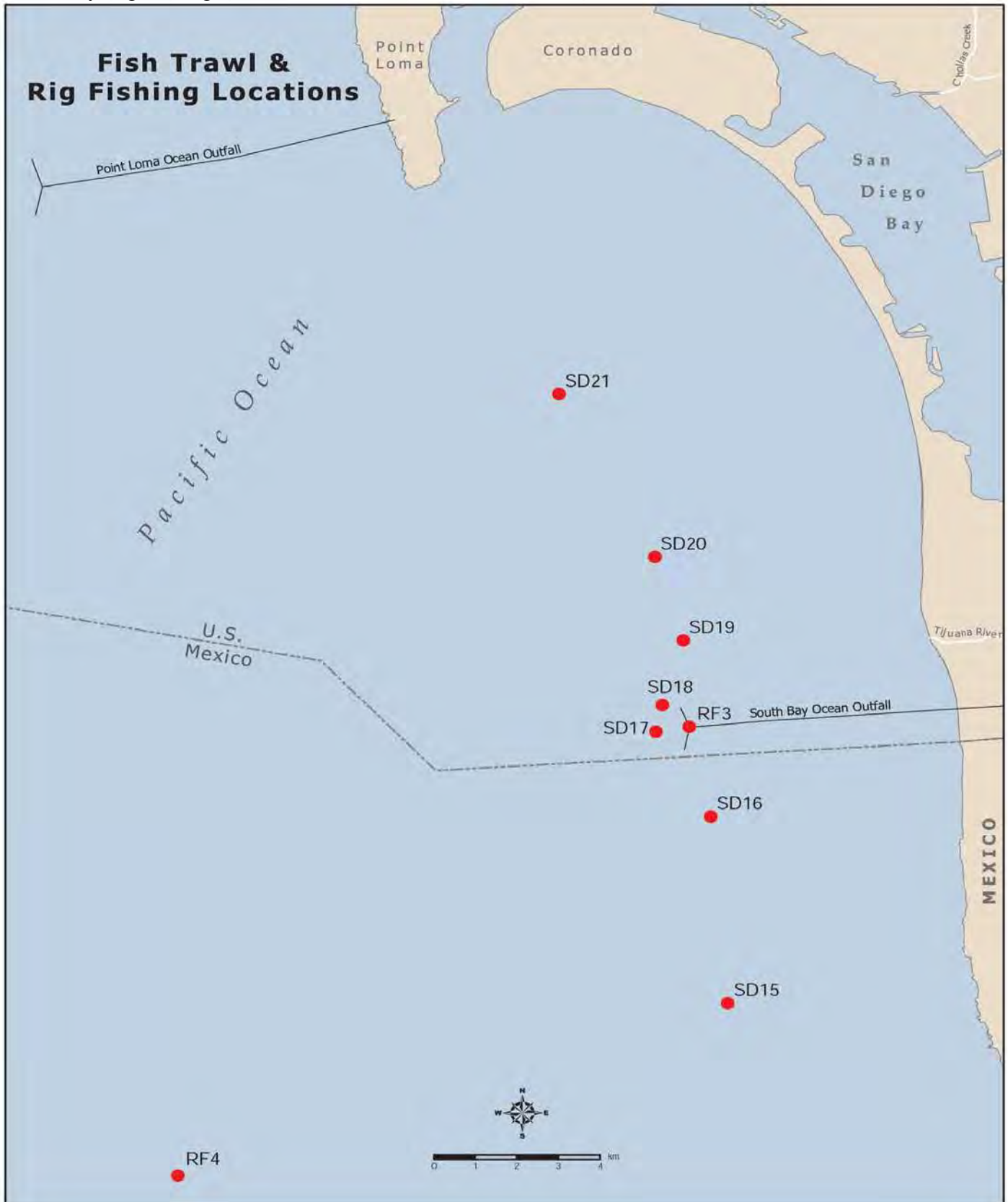
SD-18

SD-19

SD-20

SD-21

# South Bay Rig Fishing and Trawl Stations



SOUTH BAY WATER RECLAMATION PLANT  
 FISH TISSUE ANNUAL SUMMARY  
 Lipids & Total Solids

From 01-JAN-2008 To 31-DEC-2008

Tissue Analyte	MDL	Units	SD-15 2008 Avg	SD-16 2008 Avg	SD-17 2008 Avg	SD-18 2008 Avg	SD-19 2008 Avg	SD-20 2008 Avg
Liver Lipids	.005	WT%	10.0	11.2	17.2	16.9	21.3	19.7
Liver Total Solids	.4	WT%	32.3	29.5	37.1	38.6	38.9	37.8

Tissue Analyte	MDL	Units	SD-21 2008 Avg	RF-3 2008 Avg	RF-4 2008 Avg
Liver Lipids	.005	WT%	17.3		
Liver Total Solids	.4	WT%	36.8		
Muscle Lipids	.005	WT%		0.4	0.9
Muscle Total Solids	.4	WT%		21.4	21.8

ND= not detected  
 NA= not analyzed  
 NS= not sampled

SOUTH BAY WATER RECLAMATION PLANT  
 FISH TISSUE ANNUAL SUMMARY  
 Trace Metals

From: 01-JAN-2008 To: 31-DEC-2008

FISH - MUSCLE

Source:			RF-3	RF-4
Date:			2008	2008
Analyte:	MDL	Units	Average	Average
=====	====	=====	=====	=====
Aluminum	3	MG/KG	11.10	6.92
Antimony	.2	MG/KG	0.30	0.26
Arsenic	.24	MG/KG	1.03	2.06
Beryllium	.006	MG/KG	ND	ND
Cadmium	.06	MG/KG	ND	ND
Chromium	.1	MG/KG	0.18	0.14
Copper	.1	MG/KG	1.47	1.16
Iron	2	MG/KG	6.91	7.87
Lead	.2	MG/KG	ND	ND
Manganese	.1	MG/KG	0.17	0.15
Mercury	.03	MG/KG	0.117	0.184
Nickel	.2	MG/KG	ND	ND
Selenium	.06	MG/KG	0.224	0.282
Silver	.05	MG/KG	ND	ND
Thallium	.4	MG/KG	<0.40	<0.40
Tin	.2	MG/KG	1.90	1.94
Zinc	.15	MG/KG	4.63	5.23
Total Solids	.4	WT%	21.4	21.8

ND= not detected  
 NA= not analyzed  
 NS= not sampled

SOUTH BAY WATER RECLAMATION PLANT  
FISH TISSUE ANNUAL SUMMARY  
Trace Metals

From: 01-JAN-2008 To: 31-DEC-2008

FISH - LIVER

Source:		SD-15	SD-16	SD-17	SD-18	SD-19	SD-20
Date:		2008	2008	2008	2008	2008	2008
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	3 MG/KG	12.30	18.50	3.38	ND	<3.00	<3.00
Antimony	.2 MG/KG	0.44	0.43	0.33	0.41	0.38	0.23
Arsenic	.24 MG/KG	5.59	9.86	6.29	8.28	7.73	8.12
Beryllium	.006 MG/KG	ND	ND	ND	ND	ND	ND
Cadmium	.06 MG/KG	6.53	4.55	3.29	2.83	3.73	1.97
Chromium	.1 MG/KG	0.23	0.24	0.24	0.17	0.23	0.22
Copper	.1 MG/KG	11.80	8.90	10.50	7.73	7.91	8.11
Iron	2 MG/KG	91	99	89	105	102	105
Lead	.2 MG/KG	ND	ND	ND	<0.20	<0.20	<0.20
Manganese	.1 MG/KG	1.44	2.08	1.35	1.36	1.40	1.47
Mercury	.03 MG/KG	0.146	0.098	0.133	0.060	0.086	0.067
Nickel	.2 MG/KG	ND	ND	<0.20	<0.20	<0.20	<0.20
Selenium	.06 MG/KG	0.76	0.83	0.85	1.15	1.15	1.14
Thallium	.4 MG/KG	ND	ND	ND	ND	<0.40	ND
Tin	.2 MG/KG	2.81	2.44	2.82	2.99	3.13	3.02
Zinc	.15 MG/KG	64.1	35.9	49.3	32.6	30.2	30.7
Total Solids	.4 WT%	32.3	29.5	37.1	38.6	38.9	37.8

Source:		SD-21
Date:		2008
Analyte:	MDL Units	Average
=====	=====	=====
Aluminum	3 MG/KG	4.03
Antimony	.2 MG/KG	0.43
Arsenic	.24 MG/KG	7.26
Beryllium	.006 MG/KG	ND
Cadmium	.06 MG/KG	2.28
Chromium	.1 MG/KG	0.26
Copper	.1 MG/KG	8.73
Iron	2 MG/KG	138
Lead	.2 MG/KG	<0.20
Manganese	.1 MG/KG	1.52
Mercury	.03 MG/KG	0.112
Nickel	.2 MG/KG	<0.20
Selenium	.06 MG/KG	0.84
Thallium	.4 MG/KG	ND
Tin	.2 MG/KG	2.95
Zinc	.15 MG/KG	49.4
Total Solids	.4 WT%	36.8

ND= not detected  
NA= not analyzed  
NS= not sampled



SOUTH BAY WATER RECLAMATION PLANT  
FISH TISSUE ANNUAL SUMMARY  
Chlorinated Pesticides

From 01-JAN-2008 To 31-DEC-2008

FISH - LIVER

Analyte	MDL	Units	SD-15	SD-16	SD-17	SD-18	SD-19
			2008	2008	2008	2008	2008
			Avg	Avg	Avg	Avg	Avg
Hexachlorobenzene	13.3	UG/KG	<13.3	E1.5	<13.3	<13.3	<13.3
BHC, Gamma isomer	167	UG/KG	ND	ND	ND	ND	ND
Heptachlor	33.3	UG/KG	ND	ND	ND	<33.3	ND
Aldrin		UG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	100	UG/KG	ND	ND	ND	ND	ND
o,p-DDE	13.3	UG/KG	<13.3	E7.5	<13.3	<13.3	<13.3
Alpha Endosulfan	167	UG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	13.3	UG/KG	<13.3	ND	<13.3	<13.3	<13.3
Trans Nonachlor	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3
p,p-DDE	13.3	UG/KG	217.0	390.0	398.0	415.0	660.0
Dieldrin	13.3	UG/KG	ND	ND	ND	ND	ND
o,p-DDD	13.3	UG/KG	ND	ND	<13.3	ND	<13.3
Endrin	13.3	UG/KG	ND	ND	ND	ND	ND
o,p-DDT	13.3	UG/KG	ND	ND	ND	ND	<13.3
p,p-DDD	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3
p,p-DDT	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3
Mirex	13.3	UG/KG	ND	ND	ND	ND	ND

Analyte	MDL	Units	SD-20	SD-21
			2008	2008
			Avg	Avg
Hexachlorobenzene	13.3	UG/KG	<13.3	<13.3
BHC, Gamma isomer	167	UG/KG	ND	ND
Heptachlor	33.3	UG/KG	ND	ND
Aldrin		UG/KG	ND	ND
Heptachlor epoxide	100	UG/KG	ND	ND
o,p-DDE	13.3	UG/KG	<13.3	<13.3
Alpha Endosulfan	167	UG/KG	ND	ND
Alpha (cis) Chlordane	13.3	UG/KG	<13.3	ND
Trans Nonachlor	13.3	UG/KG	<13.3	<13.3
p,p-DDE	13.3	UG/KG	557.0	516.0
Dieldrin	13.3	UG/KG	ND	ND
o,p-DDD	13.3	UG/KG	<13.3	ND
Endrin	13.3	UG/KG	ND	ND
o,p-DDT	13.3	UG/KG	ND	ND
p,p-DDD	13.3	UG/KG	<13.3	<13.3
p,p-DDT	13.3	UG/KG	<13.3	<13.3
Mirex	13.3	UG/KG	ND	ND

ND= not detected  
NA= not analyzed  
NS= not sampled

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

SOUTH BAY WATER RECLAMATION PLANT  
 FISH TISSUE ANNUAL SUMMARY  
 Chlorinated Pesticides

From 01-JAN-2008 To 31-DEC-2008

FISH - MUSCLE

Analyte	MDL	Units	RF-3	RF-4
			2008	2008
			Avg	Avg
Hexachlorobenzene	1.33	UG/KG	<1.3	<1.3
BHC, Gamma isomer	3.33	UG/KG	ND	ND
Heptachlor	3.33	UG/KG	ND	ND
Aldrin	6.67	UG/KG	ND	ND
Heptachlor epoxide	6.67	UG/KG	ND	ND
o,p-DDE	1.33	UG/KG	<1.3	ND
Alpha Endosulfan	33	UG/KG	ND	ND
Alpha (cis) Chlordane	2	UG/KG	ND	ND
Trans Nonachlor	2	UG/KG	ND	ND
p,p-DDE	1.33	UG/KG	3.5	4.6
Dieldrin	1.33	UG/KG	ND	ND
o,p-DDD	1.33	UG/KG	ND	ND
Endrin	1.33	UG/KG	ND	ND
o,p-DDT	1.33	UG/KG	ND	ND
p,p-DDD	1.33	UG/KG	<1.3	ND
p,p-DDT	1.33	UG/KG	ND	ND
Mirex	1.33	UG/KG	ND	ND

ND= not detected  
 NA= not analyzed  
 NS= not sampled

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

SOUTH BAY WATER RECLAMATION PLANT  
FISH TISSUE ANNUAL SUMMARY  
Poly Aromatic Hydrocarbon

From 01-JAN-2008 To 31-DEC-2008

FISH - LIVER

Analyte	MDL	Units	SD-15	SD-16	SD-17	SD-18	SD-19	SD-20
			2008	2008	2008	2008	2008	2008
			Avg	Avg	Avg	Avg	Avg	Avg
Acenaphthene	28.9	UG/KG	ND	ND	ND	ND	ND	ND
Acenaphthylene	24.7	UG/KG	ND	ND	ND	ND	ND	ND
Anthracene	25.3	UG/KG	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	47.3	UG/KG	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	42.9	UG/KG	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	30.2	UG/KG	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	41.8	UG/KG	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	27.2	UG/KG	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	32	UG/KG	ND	ND	ND	ND	ND	ND
Biphenyl	38	UG/KG	ND	ND	ND	ND	ND	ND
Chrysene	18.1	UG/KG	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	37.6	UG/KG	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	21.7	UG/KG	ND	ND	ND	ND	ND	ND
Fluoranthene	19.9	UG/KG	ND	ND	ND	ND	ND	ND
Fluorene	27.3	UG/KG	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	25.6	UG/KG	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	27.9	UG/KG	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	35.8	UG/KG	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	17.4	UG/KG	ND	ND	ND	ND	ND	ND
Naphthalene	34.2	UG/KG	ND	ND	ND	ND	ND	ND
Perylene	18.5	UG/KG	ND	ND	ND	ND	ND	ND
Phenanthrene	11.6	UG/KG	ND	ND	ND	ND	ND	ND
Pyrene	9.1	UG/KG	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	21.7	UG/KG	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	SD-21
			2008
			Avg
Acenaphthene	28.9	UG/KG	ND
Acenaphthylene	24.7	UG/KG	ND
Anthracene	25.3	UG/KG	ND
Benzo[A]anthracene	47.3	UG/KG	ND
Benzo[A]pyrene	42.9	UG/KG	ND
3,4-benzo(B)fluoranthene	30.2	UG/KG	ND
Benzo[e]pyrene	41.8	UG/KG	ND
Benzo[G,H,I]perylene	27.2	UG/KG	ND
Benzo[K]fluoranthene	32	UG/KG	ND
Biphenyl	38	UG/KG	ND
Chrysene	18.1	UG/KG	ND
Dibenzo(A,H)anthracene	37.6	UG/KG	ND
2,6-dimethylnaphthalene	21.7	UG/KG	ND
Fluoranthene	19.9	UG/KG	ND
Fluorene	27.3	UG/KG	ND
Indeno(1,2,3-CD)pyrene	25.6	UG/KG	ND
1-methylnaphthalene	27.9	UG/KG	ND
2-methylnaphthalene	35.8	UG/KG	ND
1-methylphenanthrene	17.4	UG/KG	ND
Naphthalene	34.2	UG/KG	ND
Perylene	18.5	UG/KG	ND
Phenanthrene	11.6	UG/KG	ND
Pyrene	9.1	UG/KG	ND
2,3,5-trimethylnaphthalene	21.7	UG/KG	ND

ND= not detected, NA= not analyzed, NS= not sampled

SOUTH BAY WATER RECLAMATION PLANT  
 FISH TISSUE ANNUAL SUMMARY  
 Poly Aromatic Hydrocarbon

From 01-JAN-2008 To 31-DEC-2008

FISH - MUSCLE

Analyte	MDL	Units	RF-3	RF-4
			2008	2008
			Avg	Avg
Acenaphthene	11.3	UG/KG	ND	ND
Acenaphthylene	9.1	UG/KG	ND	ND
Anthracene	8.4	UG/KG	ND	ND
Benzo[A]anthracene	15.9	UG/KG	ND	ND
Benzo[A]pyrene	18.3	UG/KG	ND	ND
3,4-benzo(B)fluoranthene	26.8	UG/KG	ND	ND
Benzo[e]pyrene	40.6	UG/KG	ND	ND
Benzo[G,H,I]perylene	59.5	UG/KG	ND	ND
Benzo[K]fluoranthene	37.3	UG/KG	ND	ND
Biphenyl	19.9	UG/KG	ND	ND
Chrysene	23	UG/KG	ND	ND
Dibenzo(A,H)anthracene	40.3	UG/KG	ND	ND
2,6-dimethylnaphthalene	19.5	UG/KG	ND	ND
Fluoranthene	12.9	UG/KG	ND	ND
Fluorene	11.4	UG/KG	ND	ND
Indeno(1,2,3-CD)pyrene	46.5	UG/KG	ND	ND
1-methylnaphthalene	26.4	UG/KG	ND	ND
2-methylnaphthalene	13.2	UG/KG	ND	ND
1-methylphenanthrene	23.3	UG/KG	ND	ND
Naphthalene	17.4	UG/KG	ND	ND
Perylene	50.9	UG/KG	ND	ND
Phenanthrene	12.9	UG/KG	ND	ND
Pyrene	16.6	UG/KG	ND	ND
2,3,5-trimethylnaphthalene	21.6	UG/KG	ND	ND

ND= not detected  
 NA= not analyzed  
 NS= not sampled

SOUTH BAY WATER RECLAMATION PLANT  
FISH TISSUE ANNUAL SUMMARY  
Poly Chlorinated Biphenyls

From 01-JAN-2008 To 31-DEC-2008

FISH - LIVER

Analyte	MDL	Units	SD-15	SD-16	SD-17	SD-18	SD-19	SD-20	SD-21
			2008	2008	2008	2008	2008	2008	2008
			Avg	Avg	Avg	Avg	Avg	Avg	Avg
PCB 18	33.3	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 28	13.3	UG/KG	ND	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 49	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 37	13.3	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 70	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 101	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 119	13.3	UG/KG	ND	ND	<13.3	ND	ND	ND	<13.3
PCB 87	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 110	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 151	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 77	13.3	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 149	13.3	UG/KG	<13.3	E4.4	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 123	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 118	13.3	UG/KG	<13.3	E13.6	E14.6	<13.3	E22.9	E23.5	E36.0
PCB 114	13.3	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 153/168	13.3	UG/KG	E16.4	E31.8	E35.7	E35.3	E59.2	E65.2	E89.2
PCB 105	13.3	UG/KG	<13.3	E3.4	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 138	13.3	UG/KG	<13.3	E20.5	E22.5	E16.4	E41.9	E39.7	E59.2
PCB 158	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 187	13.3	UG/KG	<13.3	E13.7	E16.3	E15.5	E28.1	E24.9	E34.0
PCB 183	13.3	UG/KG	<13.3	E3.9	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 126	13.3	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 128	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 167	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 177	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 156	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 157	13.3	UG/KG	ND	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 180	13.3	UG/KG	<13.3	E13.7	E15.6	E15.5	E30.3	E25.7	E30.9
PCB 170	13.3	UG/KG	<13.3	E6.0	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 169	13.3	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 189	13.3	UG/KG	ND	ND	ND	ND	<13.3	<13.3	<13.3
PCB 194	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3
PCB 206	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3	<13.3

ND= not detected  
NA= not analyzed  
NS= not sampled

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

SOUTH BAY WATER RECLAMATION PLANT  
FISH TISSUE ANNUAL SUMMARY  
Poly Chlorinated Biphenyls

From 01-JAN-2008 To 31-DEC-2008

FISH - MUSCLE

Analyte	MDL	Units	RF-3	RF-4
			2008	2008
			Avg	Avg
=====	=====	=====	=====	=====
PCB 18	1.33	UG/KG	ND	ND
PCB 28	1.33	UG/KG	ND	ND
PCB 49	1.33	UG/KG	ND	ND
PCB 37	1.33	UG/KG	ND	ND
PCB 70	1.33	UG/KG	<1.3	ND
PCB 101	1.33	UG/KG	ND	ND
PCB 119	1.33	UG/KG	ND	ND
PCB 87	1.33	UG/KG	ND	ND
PCB 110	1.33	UG/KG	ND	ND
PCB 151	1.33	UG/KG	ND	ND
PCB 77	1.33	UG/KG	ND	ND
PCB 149	1.33	UG/KG	<1.3	ND
PCB 123	1.33	UG/KG	ND	ND
PCB 118	1.33	UG/KG	<1.3	<1.3
PCB 114	1.33	UG/KG	ND	ND
PCB 153/168	1.33	UG/KG	<1.3	<1.3
PCB 105	1.33	UG/KG	ND	<1.3
PCB 138	1.33	UG/KG	<1.3	<1.3
PCB 158	1.33	UG/KG	ND	ND
PCB 187	1.33	UG/KG	<1.3	<1.3
PCB 183	1.33	UG/KG	ND	ND
PCB 126	1.33	UG/KG	ND	ND
PCB 128	1.33	UG/KG	ND	ND
PCB 167	1.33	UG/KG	ND	ND
PCB 177	1.33	UG/KG	ND	ND
PCB 156	1.33	UG/KG	ND	ND
PCB 157	1.33	UG/KG	ND	ND
PCB 180	1.33	UG/KG	<1.3	<1.3
PCB 170	1.33	UG/KG	ND	ND
PCB 169	1.33	UG/KG	ND	ND
PCB 189	1.33	UG/KG	ND	ND
PCB 194	1.33	UG/KG	ND	<1.3
PCB 206	1.33	UG/KG	ND	ND

ND= not detected  
NA= not analyzed  
NS= not sampled

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS