

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 Technique⁷:

Sediments

Benthic samples are obtained with a chain-rigged van Veen grab from the City's ocean monitoring program vessels. The grab takes 0.1m² 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.

⁷ 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.

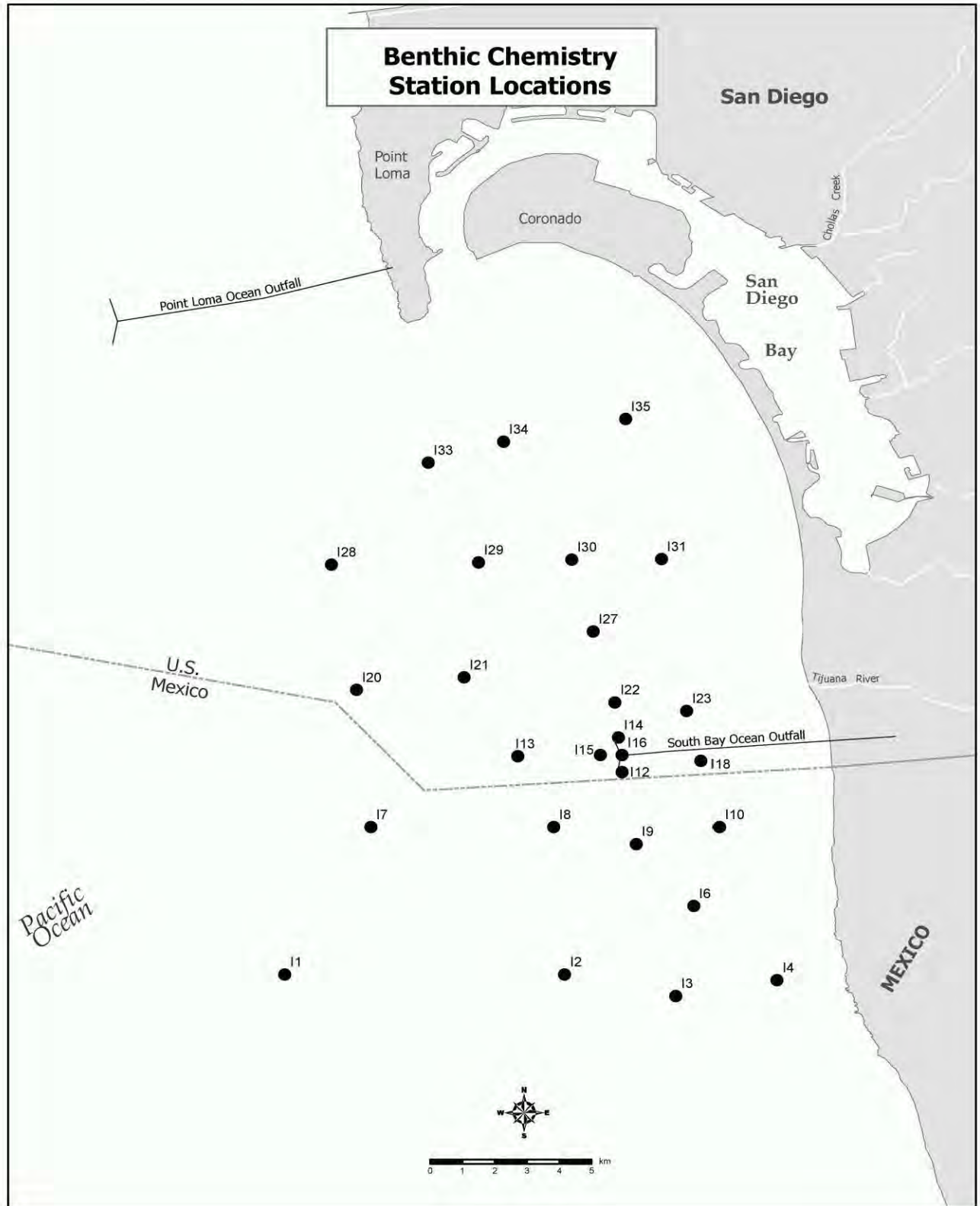
Station

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

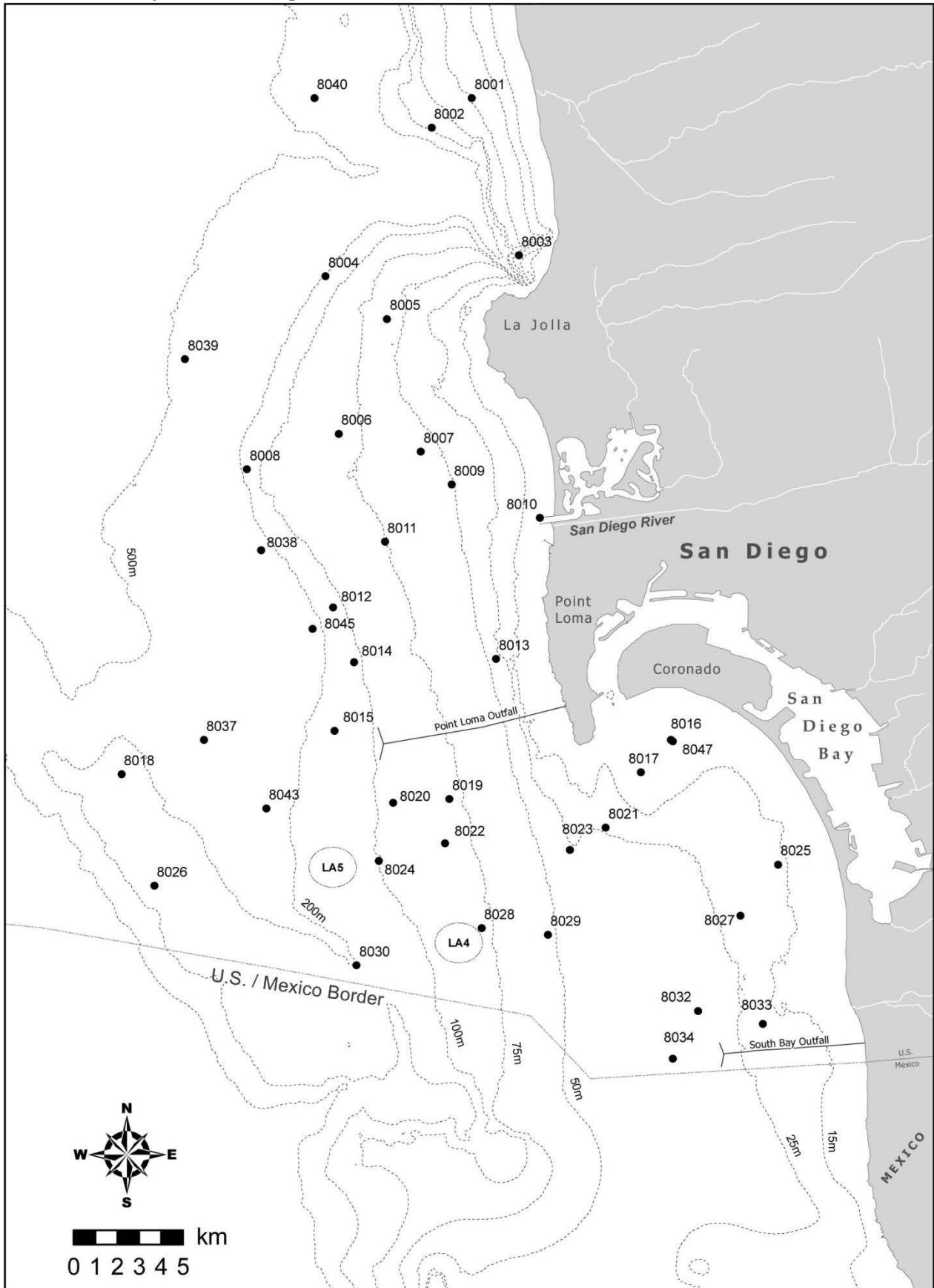
2010 Random Stations

Station	Sample Date	Station	Sample Date	Station	Sample Date
8001	12-Jul-10	8015	14-Jul-10	8029	8-Jul-10
8002	12-Jul-10	8016	6-Jul-10	8030	8-Jul-10
8003	12-Jul-10	8017	7-Jul-10	8032	6-Jul-10
8004	12-Jul-10	8018	9-Jul-10	8033	6-Jul-10
8005	12-Jul-10	8019	14-Jul-10	8034	7-Jul-10
8006	13-Jul-10	8020	14-Jul-10	8037	9-Jul-10
8007	13-Jul-10	8021	7-Jul-10	8038	13-Jul-10
8008	13-Jul-10	8022	8-Jul-10	8039	12-Jul-10
8009	13-Jul-10	8023	8-Jul-10	8040	12-Jul-10
8010	12-Jul-10	8024	8-Jul-10	8043	9-Jul-10
8011	13-Jul-10	8025	6-Jul-10	8045	27-Jul-10
8012	14-Jul-10	8026	9-Jul-10	8047	7-Jul-10
8013	15-Jul-10	8027	6-Jul-10	8052	9-Jul-10
8014	14-Jul-10	8028	8-Jul-10		

SBWRP Regular Fixed Grid Ocean sediment (benthic) stations



2010 Randomly Selected Regional Stations



SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL - International Stations
 Sulfide and Total Volatile Solids Analysis

Annual 2010

		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	2010	2010	2010	2010	2010	2010	2010	2010	2010
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Sulfides-Total	.14 MG/KG	0.61	0.32	0.21	0.89	<0.14	0.34	0.38	1.36	0.62
Total Volatile Solids	.11 WT%	0.99	0.39	0.36	0.36	0.86	0.43	0.45	0.75	0.77
		I-12	I-13	I-14	I-15	I-16	I-18	I-20	I-21	I-22
		Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
	MDL Units	2010	2010	2010	2010	2010	2010	2010	2010	2010
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Sulfides-Total	.14 MG/KG	1.94	<0.14	1.28	0.15	1.31	0.38	1.26	0.34	1.70
Total Volatile Solids	.11 WT%	0.67	20.10	0.97	0.55	0.49	1.84	0.47	0.59	0.96
		I-23	I-27	I-28	I-29	I-30	I-31	I-33	I-34	I-35
		Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
	MDL Units	2010	2010	2010	2010	2010	2010	2010	2010	2010
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Sulfides-Total	.14 MG/KG	1.87	2.77	1.02	1.24	2.79	0.41	2.69	1.14	1.89
Total Volatile Solids	.11 WT%	0.87	0.92	1.51	1.57	1.12	0.71	1.39	0.60	1.49

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-1	I-1	I-2	I-2	I-3
		P503064	P524767	P503081	P524784	P503084
		06-JAN-2010	01-JUL-2010	06-JAN-2010	01-JUL-2010	06-JAN-2010
<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	0.043	0.000	0.000	0.000
>2.4 to 2.9 microns, Phi 8.5		0.090	0.164	0.000	0.000	0.000
>2.9 to 3.4 microns		0.155	0.176	0.000	0.000	0.000
>3.4 to 3.9 microns, Phi 8		0.170	0.194	0.000	0.000	0.102
>3.9 to 4 microns		0.037	0.042	0.000	0.000	0.022
>4.0 to 4.3 microns		0.107	0.121	0.000	0.000	0.063
>4.3 to 4.5 microns		0.069	0.078	0.000	0.000	0.041
>4.5 to 5 microns		0.190	0.215	0.000	0.000	0.111
>5 to 5.5 microns		0.193	0.218	0.000	0.000	0.110
>5.5 to 5.7 microns		0.075	0.085	0.000	0.000	0.043
>5.7 to 5.9 microns, Phi 7.5		0.075	0.084	0.004	0.000	0.042
>5.9 to 7.8 microns, Phi 7		0.735	0.831	0.227	0.010	0.402
>7.8 to 8 microns		0.076	0.086	0.024	0.020	0.040
>8 to 8.5 microns		0.182	0.206	0.057	0.047	0.096
>8.5 to 8.9 microns		0.140	0.159	0.044	0.036	0.073
>8.9 to 9.1 microns		0.071	0.081	0.023	0.019	0.037
>9.1 to 9.5 microns		0.137	0.156	0.044	0.036	0.071
>9.5 to 9.8 microns		0.099	0.113	0.032	0.026	0.051
>9.8 to 10.1 microns		0.096	0.110	0.031	0.026	0.050
>10.1 to 10.6 microns		0.165	0.189	0.053	0.045	0.084
>10.6 to 11.1 microns		0.157	0.180	0.051	0.043	0.080
>11.1 to 11.3 microns		0.061	0.070	0.020	0.017	0.031
>11.3 to 11.7 microns, Phi 6.5		0.118	0.136	0.039	0.033	0.060
>11.7 to 14 microns		0.605	0.702	0.201	0.176	0.305
>14 to 14.8 microns		0.187	0.219	0.063	0.056	0.094
>14.8 to 15.6 microns		0.174	0.204	0.058	0.053	0.086
>15.6 to 16 microns		0.082	0.097	0.027	0.025	0.040
>16 to 20 microns		0.701	0.835	0.232	0.219	0.341
>20 to 23 microns, Phi 5.5		0.399	0.484	0.129	0.128	0.189
>23 to 27 microns		0.418	0.515	0.104	0.133	0.188
>27 to 31 microns, Phi 5		0.344	0.429	0.000	0.078	0.138
>31 to 32 microns		0.080	0.099	0.000	0.000	0.028
>32 to 35.6 microns		0.277	0.346	0.000	0.000	0.089
>35.6 to 37 microns, Phi 4.75		0.107	0.134	0.000	0.000	0.029
>37 to 39.6 microns		0.196	0.244	0.000	0.000	0.044
>39.6 to 43.6 microns		0.341	0.425	0.000	0.000	0.000
>43.6 to 44 microns, Phi 4.5		0.033	0.040	0.000	0.000	0.000
>44 to 45 microns		0.082	0.102	0.000	0.000	0.000
>45 to 46.4 microns		0.152	0.191	0.000	0.000	0.000
>46.4 to 53 microns, Phi 4.25		0.734	0.924	0.025	0.023	0.000
>53 to 62.5 microns, Phi 4		1.490	1.910	0.152	0.144	0.000
>62.5 to 64 microns		0.281	0.365	0.026	0.024	0.000
>64 to 71.7 microns		1.780	2.330	0.149	0.142	0.000

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-1		I-2		I-3
		P503064 06-JAN-2010	P524767 01-JUL-2010	P503081 06-JAN-2010	P524784 01-JUL-2010	P503084 06-JAN-2010
>71.7 to 74 microns		0.602	0.791	0.048	0.046	0.000
>74 to 79.6 microns		1.710	2.250	0.137	0.130	0.000
>79.6 to 87.6 microns		2.900	3.790	0.231	0.218	0.000
>87.6 to 88 microns, Phi 3.5		0.138	0.180	0.011	0.010	0.000
>88 to 90 microns		0.927	1.190	0.081	0.077	0.000
>90 to 105 microns, Phi 3.25		7.690	9.710	0.749	0.707	0.026
>105 to 125 microns, Phi 3		12.500	14.800	1.730	1.660	0.159
>125 to 149 microns, Phi 2.75		15.500	16.700	3.510	3.410	0.270
>149 to 160 microns		6.440	6.280	2.430	2.380	0.184
>160 to 177 microns, Phi 2.5		8.890	8.260	4.240	4.170	0.328
>177 to 197 microns		8.220	6.910	6.450	6.410	0.541
>197 to 210 microns, Phi 2.25		3.990	3.090	5.020	5.020	0.489
>210 to 217 microns		1.900	1.420	2.760	2.770	0.278
>217 to 245 microns		5.790	4.110	11.500	11.500	1.360
>245 to 250 microns, Phi 2		0.798	0.530	2.090	2.100	0.271
>250 to 300 microns, Phi 1.75		5.270	3.260	19.500	19.500	3.270
>300 to 320 microns		1.010	0.544	6.120	6.110	1.680
>320 to 350 microns, Phi 1.5		1.280	0.680	8.070	8.060	2.460
>350 to 360 microns		0.269	0.133	1.980	2.000	0.933
>360 to 400 microns		0.955	0.471	7.070	7.130	3.620
>400 to 420 microns, Phi 1.25		0.303	0.143	2.290	2.340	2.040
>420 to 440 microns		0.289	0.136	2.180	2.230	1.950
>440 to 500 microns, Phi 1		0.597	0.281	4.170	4.320	6.630
>500 to 590 microns, Phi 0.75		0.459	0.068	3.220	3.380	11.200
>590 to 630 microns		0.010	0.000	0.664	0.702	5.810
>630 to 696 microns		0.000	0.000	0.861	0.910	9.260
>696 to 710 microns, Phi 0.5		0.000	0.000	0.112	0.119	2.030
>710 to 773 microns		0.000	0.000	0.477	0.506	8.680
>773 to 840 microns, Phi 0.25		0.000	0.000	0.272	0.289	8.290
>840 to 850 microns		0.000	0.000	0.037	0.039	1.180
>850 to 930 microns		0.000	0.000	0.144	0.153	7.930
>930 to 1000 microns, Phi 0		0.000	0.000	0.000	0.000	5.540
1000 to 1100 microns		0.000	0.000	0.000	0.000	4.700
>1100 to 1190 microns, Phi -0.25		0.000	0.000	0.000	0.000	2.860
>1190 to 1300 microns		0.000	0.000	0.000	0.000	1.540
>1300 to 1410 microns, Phi -0.5		0.000	0.000	0.000	0.000	0.802
>1410 to 1680 microns, Phi -0.75		0.000	0.000	0.000	0.000	0.482
>1680 to 2000 microns, Phi -1		0.000	0.000	0.000	0.000	0.000
>2000 microns*		ND	ND	ND	ND	ND
Totals:		100.098	100.059	99.969	99.955	99.973

*=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
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-3	I-4	I-4	I-6	I-6
		P524787 01-JUL-2010	P503091 06-JAN-2010	P524794 01-JUL-2010	P503096 06-JAN-2010	P524799 01-JUL-2010
<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	0.000	0.000
>7.8 to 8 microns		0.000	0.000	0.000	0.000	0.000
>8 to 8.5 microns		0.000	0.000	0.000	0.000	0.000
>8.5 to 8.9 microns		0.000	0.000	0.000	0.000	0.000
>8.9 to 9.1 microns		0.000	0.000	0.000	0.000	0.000
>9.1 to 9.5 microns		0.000	0.000	0.000	0.000	0.000
>9.5 to 9.8 microns		0.000	0.000	0.000	0.000	0.000
>9.8 to 10.1 microns		0.000	0.000	0.000	0.000	0.000
>10.1 to 10.6 microns		0.000	0.000	0.000	0.000	0.000
>10.6 to 11.1 microns		0.000	0.000	0.000	0.000	0.000
>11.1 to 11.3 microns		0.000	0.000	0.000	0.000	0.000
>11.3 to 11.7 microns, Phi 6.5		0.000	0.000	0.000	0.000	0.000
>11.7 to 14 microns		0.000	0.000	0.000	0.000	0.000
>14 to 14.8 microns		0.000	0.000	0.000	0.000	0.000
>14.8 to 15.6 microns		0.000	0.000	0.000	0.000	0.000
>15.6 to 16 microns		0.000	0.000	0.000	0.000	0.000
>16 to 20 microns		0.000	0.000	0.000	0.000	0.000
>20 to 23 microns, Phi 5.5		0.000	0.000	0.000	0.000	0.000
>23 to 27 microns		0.000	0.000	0.000	0.000	0.000
>27 to 31 microns, Phi 5		0.000	0.000	0.000	0.000	0.000
>31 to 32 microns		0.000	0.000	0.000	0.000	0.000
>32 to 35.6 microns		0.000	0.000	0.000	0.000	0.000
>35.6 to 37 microns, Phi 4.75		0.000	0.000	0.000	0.000	0.000
>37 to 39.6 microns		0.000	0.000	0.000	0.000	0.000
>39.6 to 43.6 microns		0.000	0.000	0.000	0.000	0.000
>43.6 to 44 microns, Phi 4.5		0.000	0.000	0.000	0.000	0.000
>44 to 45 microns		0.000	0.001	0.000	0.001	0.000
>45 to 46.4 microns		0.000	0.023	0.000	0.025	0.000
>46.4 to 53 microns, Phi 4.25		0.000	0.110	0.000	0.114	0.023
>53 to 62.5 microns, Phi 4		0.000	0.193	0.026	0.165	0.132
>62.5 to 64 microns		0.000	0.033	0.011	0.026	0.020
>64 to 71.7 microns		0.000	0.187	0.059	0.133	0.101

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-3	I-4	I-4	I-6	I-6
		P524787 01-JUL-2010	P503091 06-JAN-2010	P524794 01-JUL-2010	P503096 06-JAN-2010	P524799 01-JUL-2010
>71.7 to 74 microns		0.000	0.059	0.018	0.039	0.029
>74 to 79.6 microns		0.000	0.150	0.047	0.097	0.072
>79.6 to 87.6 microns		0.000	0.227	0.070	0.139	0.104
>87.6 to 88 microns, Phi 3.5		0.000	0.011	0.004	0.007	0.005
>88 to 90 microns		0.000	0.062	0.019	0.038	0.029
>90 to 105 microns, Phi 3.25		0.035	0.472	0.156	0.291	0.228
>105 to 125 microns, Phi 3		0.238	0.686	0.289	0.465	0.389
>125 to 149 microns, Phi 2.75		0.517	0.952	0.414	0.736	0.649
>149 to 160 microns		0.413	0.553	0.247	0.469	0.427
>160 to 177 microns, Phi 2.5		0.778	0.936	0.423	0.813	0.750
>177 to 197 microns		1.400	1.440	0.668	1.280	1.210
>197 to 210 microns, Phi 2.25		1.330	1.280	0.610	1.120	1.070
>210 to 217 microns		0.762	0.720	0.347	0.628	0.603
>217 to 245 microns		3.750	3.560	1.780	3.030	2.920
>245 to 250 microns, Phi 2		0.750	0.712	0.365	0.599	0.577
>250 to 300 microns, Phi 1.75		8.770	8.700	4.830	7.180	6.890
>300 to 320 microns		4.110	4.370	2.820	3.620	3.430
>320 to 350 microns, Phi 1.5		5.850	6.270	4.190	5.240	4.950
>350 to 360 microns		2.010	2.190	1.660	1.900	1.770
>360 to 400 microns		7.590	8.220	6.370	7.190	6.730
>400 to 420 microns, Phi 1.25		3.710	3.890	3.480	3.620	3.380
>420 to 440 microns		3.530	3.710	3.310	3.450	3.220
>440 to 500 microns, Phi 1		9.970	9.800	9.980	9.770	9.210
>500 to 590 microns, Phi 0.75		12.800	11.600	13.700	12.600	12.100
>590 to 630 microns		4.580	3.940	5.380	4.610	4.700
>630 to 696 microns		6.610	5.680	7.990	6.740	6.980
>696 to 710 microns, Phi 0.5		1.140	0.990	1.500	1.220	1.320
>710 to 773 microns		4.880	4.230	6.400	5.190	5.620
>773 to 840 microns, Phi 0.25		3.720	3.380	5.460	4.230	4.850
>840 to 850 microns		0.520	0.474	0.770	0.594	0.684
>850 to 930 microns		3.350	3.150	5.170	3.930	4.620
>930 to 1000 microns, Phi 0		2.180	2.150	3.600	2.670	3.250
1000 to 1100 microns		1.930	1.970	3.240	2.390	2.940
>1100 to 1190 microns, Phi -0.25		1.230	1.280	2.060	1.530	1.870
>1190 to 1300 microns		0.786	0.833	1.240	0.954	1.140
>1300 to 1410 microns, Phi -0.5		0.454	0.477	0.672	0.534	0.616
>1410 to 1680 microns, Phi -0.75		0.317	0.329	0.558	0.578	0.393
>1680 to 2000 microns, Phi -1		0.000	0.000	0.062	0.104	0.000
>2000 microns*		ND	ND	ND	ND	ND
Totals:		100.010	100.000	99.995	100.059	100.001

*=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
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-7		I-8		I-9
		P503101 06-JAN-2010	P524804 01-JUL-2010	P503106 06-JAN-2010	P524809 01-JUL-2010	P503111 06-JAN-2010
<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	0.157
>2.4 to 2.9 microns, Phi 8.5		0.000	0.000	0.000	0.000	0.205
>2.9 to 3.4 microns		0.000	0.000	0.000	0.000	0.215
>3.4 to 3.9 microns, Phi 8		0.000	0.000	0.000	0.000	0.232
>3.9 to 4 microns		0.000	0.000	0.000	0.000	0.049
>4.0 to 4.3 microns		0.000	0.000	0.000	0.000	0.140
>4.3 to 4.5 microns		0.005	0.000	0.000	0.000	0.091
>4.5 to 5 microns		0.083	0.000	0.000	0.000	0.243
>5 to 5.5 microns		0.082	0.000	0.000	0.000	0.240
>5.5 to 5.7 microns		0.031	0.000	0.000	0.000	0.092
>5.7 to 5.9 microns, Phi 7.5		0.031	0.000	0.004	0.000	0.091
>5.9 to 7.8 microns, Phi 7		0.289	0.000	0.223	0.000	0.857
>7.8 to 8 microns		0.028	0.000	0.023	0.000	0.085
>8 to 8.5 microns		0.067	0.000	0.055	0.000	0.204
>8.5 to 8.9 microns		0.051	0.000	0.042	0.000	0.156
>8.9 to 9.1 microns		0.025	0.000	0.021	0.000	0.078
>9.1 to 9.5 microns		0.048	0.000	0.041	0.000	0.152
>9.5 to 9.8 microns		0.035	0.000	0.030	0.000	0.110
>9.8 to 10.1 microns		0.034	0.000	0.029	0.000	0.106
>10.1 to 10.6 microns		0.055	0.000	0.049	0.000	0.178
>10.6 to 11.1 microns		0.052	0.000	0.047	0.000	0.170
>11.1 to 11.3 microns		0.020	0.000	0.018	0.000	0.066
>11.3 to 11.7 microns, Phi 6.5		0.039	0.000	0.036	0.000	0.128
>11.7 to 14 microns		0.191	0.000	0.186	0.000	0.666
>14 to 14.8 microns		0.057	0.000	0.058	0.000	0.208
>14.8 to 15.6 microns		0.052	0.000	0.054	0.000	0.201
>15.6 to 16 microns		0.024	0.000	0.026	0.000	0.098
>16 to 20 microns		0.201	0.000	0.224	0.000	0.872
>20 to 23 microns, Phi 5.5		0.102	0.000	0.131	0.000	0.566
>23 to 27 microns		0.000	0.000	0.140	0.000	0.713
>27 to 31 microns, Phi 5		0.000	0.000	0.114	0.000	0.743
>31 to 32 microns		0.000	0.000	0.026	0.000	0.205
>32 to 35.6 microns		0.000	0.000	0.086	0.000	0.805
>35.6 to 37 microns, Phi 4.75		0.000	0.000	0.032	0.000	0.366
>37 to 39.6 microns		0.000	0.000	0.057	0.000	0.699
>39.6 to 43.6 microns		0.000	0.000	0.088	0.000	1.490
>43.6 to 44 microns, Phi 4.5		0.000	0.000	0.008	0.000	0.141
>44 to 45 microns		0.000	0.000	0.021	0.000	0.362
>45 to 46.4 microns		0.000	0.000	0.033	0.000	0.795
>46.4 to 53 microns, Phi 4.25		0.025	0.000	0.149	0.000	3.930
>53 to 62.5 microns, Phi 4		0.150	0.047	0.237	0.000	8.210
>62.5 to 64 microns		0.025	0.019	0.040	0.000	1.500
>64 to 71.7 microns		0.133	0.105	0.225	0.046	8.410

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-7		I-8		I-9
		P503101 06-JAN-2010	P524804 01-JUL-2010	P503106 06-JAN-2010	P524809 01-JUL-2010	P503111 06-JAN-2010
>71.7 to 74 microns		0.041	0.033	0.071	0.024	2.640
>74 to 79.6 microns		0.105	0.085	0.192	0.063	6.410
>79.6 to 87.6 microns		0.158	0.130	0.306	0.097	9.050
>87.6 to 88 microns, Phi 3.5		0.007	0.006	0.015	0.005	0.431
>88 to 90 microns		0.044	0.037	0.095	0.030	2.080
>90 to 105 microns, Phi 3.25		0.347	0.295	0.802	0.248	13.600
>105 to 125 microns, Phi 3		0.540	0.465	1.480	0.472	12.200
>125 to 149 microns, Phi 2.75		0.774	0.659	2.450	0.837	8.330
>149 to 160 microns		0.438	0.366	1.500	0.560	2.220
>160 to 177 microns, Phi 2.5		0.725	0.601	2.530	0.983	2.550
>177 to 197 microns		1.050	0.855	3.700	1.570	1.750
>197 to 210 microns, Phi 2.25		0.859	0.682	2.890	1.350	0.727
>210 to 217 microns		0.478	0.377	1.590	0.761	0.322
>217 to 245 microns		2.250	1.720	6.870	3.580	0.928
>245 to 250 microns, Phi 2		0.439	0.330	1.280	0.698	0.119
>250 to 300 microns, Phi 1.75		5.270	3.790	12.800	7.910	0.767
>300 to 320 microns		2.750	1.880	4.740	3.610	0.150
>320 to 350 microns, Phi 1.5		4.040	2.750	6.470	5.130	0.194
>350 to 360 microns		1.540	1.040	1.880	1.740	0.044
>360 to 400 microns		5.910	4.020	6.920	6.550	0.160
>400 to 420 microns, Phi 1.25		3.180	2.250	2.840	3.160	0.057
>420 to 440 microns		3.030	2.140	2.700	3.020	0.055
>440 to 500 microns, Phi 1		9.190	7.090	6.640	8.510	0.129
>500 to 590 microns, Phi 0.75		12.800	11.500	7.450	11.200	0.033
>590 to 630 microns		5.130	5.640	2.500	4.450	0.000
>630 to 696 microns		7.650	8.900	3.620	6.650	0.000
>696 to 710 microns, Phi 0.5		1.450	1.920	0.638	1.270	0.000
>710 to 773 microns		6.190	8.190	2.730	5.430	0.000
>773 to 840 microns, Phi 0.25		5.240	7.820	2.240	4.730	0.000
>840 to 850 microns		0.739	1.110	0.314	0.668	0.000
>850 to 930 microns		4.920	7.580	2.120	4.530	0.000
>930 to 1000 microns, Phi 0		3.370	5.370	1.480	3.190	0.000
1000 to 1100 microns		3.000	4.630	1.400	2.900	0.000
>1100 to 1190 microns, Phi -0.25		1.900	2.840	0.931	1.850	0.000
>1190 to 1300 microns		1.140	1.540	0.638	1.130	0.000
>1300 to 1410 microns, Phi -0.5		0.624	0.790	0.376	0.617	0.000
>1410 to 1680 microns, Phi -0.75		0.653	0.465	0.268	0.398	0.000
>1680 to 2000 microns, Phi -1		0.118	0.000	0.000	0.000	0.000
>2000 microns*		ND	ND	ND	ND	ND
Totals:		100.024	100.067	100.019	99.967	99.979

*=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
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-9	I-10	I-10	I-12	I-12
		P524814 01-JUL-2010	P503070 06-JAN-2010	P524773 01-JUL-2010	P503203 07-JAN-2010	P525319 07-JUL-2010
<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		0.160	0.000	0.000	0.093	0.000
>2.9 to 3.4 microns		0.159	0.000	0.100	0.158	0.000
>3.4 to 3.9 microns, Phi 8		0.163	0.102	0.121	0.173	0.000
>3.9 to 4 microns		0.034	0.022	0.026	0.037	0.000
>4.0 to 4.3 microns		0.098	0.063	0.074	0.106	0.000
>4.3 to 4.5 microns		0.063	0.041	0.048	0.069	0.000
>4.5 to 5 microns		0.164	0.108	0.127	0.186	0.000
>5 to 5.5 microns		0.162	0.108	0.128	0.186	0.000
>5.5 to 5.7 microns		0.062	0.042	0.050	0.072	0.000
>5.7 to 5.9 microns, Phi 7.5		0.061	0.041	0.049	0.071	0.004
>5.9 to 7.8 microns, Phi 7		0.576	0.395	0.477	0.683	0.223
>7.8 to 8 microns		0.058	0.040	0.049	0.069	0.023
>8 to 8.5 microns		0.140	0.097	0.118	0.165	0.054
>8.5 to 8.9 microns		0.107	0.075	0.091	0.127	0.041
>8.9 to 9.1 microns		0.055	0.038	0.047	0.064	0.021
>9.1 to 9.5 microns		0.106	0.074	0.090	0.124	0.041
>9.5 to 9.8 microns		0.077	0.053	0.065	0.090	0.029
>9.8 to 10.1 microns		0.074	0.052	0.063	0.087	0.029
>10.1 to 10.6 microns		0.127	0.089	0.109	0.147	0.049
>10.6 to 11.1 microns		0.121	0.085	0.104	0.140	0.046
>11.1 to 11.3 microns		0.047	0.033	0.040	0.054	0.018
>11.3 to 11.7 microns, Phi 6.5		0.092	0.065	0.079	0.106	0.035
>11.7 to 14 microns		0.495	0.344	0.421	0.549	0.188
>14 to 14.8 microns		0.158	0.109	0.133	0.171	0.059
>14.8 to 15.6 microns		0.156	0.106	0.128	0.162	0.057
>15.6 to 16 microns		0.077	0.052	0.063	0.078	0.028
>16 to 20 microns		0.708	0.468	0.558	0.686	0.246
>20 to 23 microns, Phi 5.5		0.489	0.306	0.356	0.421	0.156
>23 to 27 microns		0.651	0.381	0.430	0.489	0.183
>27 to 31 microns, Phi 5		0.711	0.386	0.422	0.457	0.169
>31 to 32 microns		0.202	0.104	0.112	0.116	0.042
>32 to 35.6 microns		0.803	0.402	0.426	0.431	0.154
>35.6 to 37 microns, Phi 4.75		0.370	0.179	0.187	0.182	0.063
>37 to 39.6 microns		0.711	0.342	0.356	0.341	0.117
>39.6 to 43.6 microns		1.530	0.719	0.740	0.665	0.215
>43.6 to 44 microns, Phi 4.5		0.146	0.068	0.070	0.063	0.020
>44 to 45 microns		0.374	0.175	0.180	0.161	0.052
>45 to 46.4 microns		0.831	0.395	0.403	0.332	0.099
>46.4 to 53 microns, Phi 4.25		4.120	2.010	2.040	1.630	0.476
>53 to 62.5 microns, Phi 4		8.700	4.790	4.820	3.440	0.934
>62.5 to 64 microns		1.600	0.950	0.954	0.646	0.171
>64 to 71.7 microns		8.930	6.030	6.010	3.840	1.020

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-9	I-10	I-10	I-12	I-12
		P524814 01-JUL-2010	P503070 06-JAN-2010	P524773 01-JUL-2010	P503203 07-JAN-2010	P525319 07-JUL-2010
>71.7 to 74 microns		2.800	2.040	2.030	1.250	0.333
>74 to 79.6 microns		6.770	5.470	5.420	3.250	0.890
>79.6 to 87.6 microns		9.490	8.710	8.590	4.980	1.410
>87.6 to 88 microns, Phi 3.5		0.452	0.414	0.408	0.237	0.067
>88 to 90 microns		2.150	2.310	2.270	1.310	0.410
>90 to 105 microns, Phi 3.25		14.000	16.500	16.200	9.500	3.230
>105 to 125 microns, Phi 3		12.100	17.000	16.700	11.200	4.910
>125 to 149 microns, Phi 2.75		8.000	12.500	12.300	10.900	6.530
>149 to 160 microns		2.080	3.380	3.350	4.100	3.310
>160 to 177 microns, Phi 2.5		2.360	3.850	3.830	5.570	5.130
>177 to 197 microns		1.610	2.600	2.610	5.380	6.320
>197 to 210 microns, Phi 2.25		0.675	1.060	1.070	2.900	4.110
>210 to 217 microns		0.300	0.465	0.471	1.440	2.160
>217 to 245 microns		0.878	1.330	1.350	4.850	8.040
>245 to 250 microns, Phi 2		0.115	0.168	0.172	0.744	1.340
>250 to 300 microns, Phi 1.75		0.764	1.070	1.110	5.710	11.300
>300 to 320 microns		0.163	0.210	0.218	1.440	3.210
>320 to 350 microns, Phi 1.5		0.212	0.270	0.281	1.890	4.260
>350 to 360 microns		0.051	0.062	0.065	0.453	1.090
>360 to 400 microns		0.186	0.224	0.233	1.630	3.970
>400 to 420 microns, Phi 1.25		0.070	0.081	0.084	0.557	1.500
>420 to 440 microns		0.067	0.077	0.080	0.531	1.430
>440 to 500 microns, Phi 1		0.161	0.181	0.189	1.110	3.410
>500 to 590 microns, Phi 0.75		0.041	0.046	0.048	0.858	3.820
>590 to 630 microns		0.000	0.000	0.000	0.170	1.350
>630 to 696 microns		0.000	0.000	0.000	0.183	2.000
>696 to 710 microns, Phi 0.5		0.000	0.000	0.000	0.000	0.378
>710 to 773 microns		0.000	0.000	0.000	0.000	1.610
>773 to 840 microns, Phi 0.25		0.000	0.000	0.000	0.000	1.470
>840 to 850 microns		0.000	0.000	0.000	0.000	0.208
>850 to 930 microns		0.000	0.000	0.000	0.000	1.480
>930 to 1000 microns, Phi 0		0.000	0.000	0.000	0.000	1.110
1000 to 1100 microns		0.000	0.000	0.000	0.000	1.150
>1100 to 1190 microns, Phi -0.25		0.000	0.000	0.000	0.000	0.796
>1190 to 1300 microns		0.000	0.000	0.000	0.000	0.594
>1300 to 1410 microns, Phi -0.5		0.000	0.000	0.000	0.000	0.361
>1410 to 1680 microns, Phi -0.75		0.000	0.000	0.000	0.000	0.267
>1680 to 2000 microns, Phi -1		0.000	0.000	0.000	0.000	0.000
>2000 microns*		ND	ND	ND	ND	ND
Totals:		100.007	99.957	99.943	100.010	100.016

*=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
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-13	I-13	I-14	I-14	I-15
		P503075 06-JAN-2010	P524778 01-JUL-2010	P503210 07-JAN-2010	P525323 07-JUL-2010	P503215 07-JAN-2010
<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		0.058	0.000	0.000	0.116	0.000
>2.0 to 2.4 microns		0.097	0.000	0.044	0.170	0.000
>2.4 to 2.9 microns, Phi 8.5		0.191	0.000	0.166	0.209	0.000
>2.9 to 3.4 microns		0.250	0.000	0.175	0.206	0.000
>3.4 to 3.9 microns, Phi 8		0.292	0.000	0.189	0.210	0.000
>3.9 to 4 microns		0.064	0.000	0.040	0.044	0.000
>4.0 to 4.3 microns		0.184	0.000	0.115	0.125	0.000
>4.3 to 4.5 microns		0.120	0.000	0.074	0.080	0.000
>4.5 to 5 microns		0.335	0.000	0.200	0.209	0.000
>5 to 5.5 microns		0.340	0.000	0.199	0.205	0.000
>5.5 to 5.7 microns		0.132	0.000	0.077	0.079	0.000
>5.7 to 5.9 microns, Phi 7.5		0.132	0.000	0.076	0.078	0.000
>5.9 to 7.8 microns, Phi 7		1.300	0.000	0.720	0.725	0.000
>7.8 to 8 microns		0.132	0.000	0.072	0.073	0.000
>8 to 8.5 microns		0.317	0.000	0.173	0.175	0.000
>8.5 to 8.9 microns		0.243	0.000	0.133	0.134	0.000
>8.9 to 9.1 microns		0.122	0.000	0.067	0.068	0.000
>9.1 to 9.5 microns		0.236	0.000	0.130	0.132	0.000
>9.5 to 9.8 microns		0.170	0.000	0.094	0.095	0.000
>9.8 to 10.1 microns		0.165	0.000	0.091	0.093	0.000
>10.1 to 10.6 microns		0.280	0.000	0.153	0.157	0.000
>10.6 to 11.1 microns		0.267	0.000	0.146	0.150	0.000
>11.1 to 11.3 microns		0.104	0.000	0.057	0.058	0.000
>11.3 to 11.7 microns, Phi 6.5		0.200	0.000	0.111	0.114	0.000
>11.7 to 14 microns		0.996	0.000	0.577	0.606	0.000
>14 to 14.8 microns		0.303	0.000	0.181	0.192	0.000
>14.8 to 15.6 microns		0.276	0.000	0.174	0.187	0.000
>15.6 to 16 microns		0.128	0.000	0.085	0.092	0.000
>16 to 20 microns		1.060	0.000	0.753	0.835	0.000
>20 to 23 microns, Phi 5.5		0.565	0.000	0.484	0.558	0.000
>23 to 27 microns		0.547	0.000	0.598	0.712	0.000
>27 to 31 microns, Phi 5		0.402	0.000	0.604	0.735	0.000
>31 to 32 microns		0.083	0.000	0.163	0.200	0.000
>32 to 35.6 microns		0.267	0.000	0.631	0.769	0.000
>35.6 to 37 microns, Phi 4.75		0.090	0.000	0.281	0.341	0.000
>37 to 39.6 microns		0.157	0.000	0.536	0.645	0.008
>39.6 to 43.6 microns		0.211	0.000	1.130	1.320	0.080
>43.6 to 44 microns, Phi 4.5		0.020	0.000	0.107	0.125	0.008
>44 to 45 microns		0.050	0.000	0.274	0.320	0.019
>45 to 46.4 microns		0.066	0.000	0.605	0.682	0.031
>46.4 to 53 microns, Phi 4.25		0.286	0.000	3.030	3.360	0.140
>53 to 62.5 microns, Phi 4		0.366	0.000	6.680	7.050	0.218
>62.5 to 64 microns		0.054	0.000	1.270	1.310	0.035
>64 to 71.7 microns		0.272	0.000	7.440	7.510	0.188

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-13	I-13	I-14	I-14	I-15
		P503075 06-JAN-2010	P524778 01-JUL-2010	P503210 07-JAN-2010	P525323 07-JUL-2010	P503215 07-JAN-2010
>71.7 to 74 microns		0.078	0.000	2.410	2.400	0.057
>74 to 79.6 microns		0.190	0.000	6.080	5.970	0.142
>79.6 to 87.6 microns		0.269	0.000	9.000	8.690	0.209
>87.6 to 88 microns, Phi 3.5		0.013	0.000	0.428	0.413	0.010
>88 to 90 microns		0.072	0.015	2.180	2.070	0.058
>90 to 105 microns, Phi 3.25		0.539	0.164	14.900	13.900	0.455
>105 to 125 microns, Phi 3		0.799	0.298	14.200	13.000	0.765
>125 to 149 microns, Phi 2.75		1.110	0.506	10.100	9.260	1.290
>149 to 160 microns		0.614	0.331	2.720	2.550	0.873
>160 to 177 microns, Phi 2.5		1.000	0.582	3.110	2.980	1.550
>177 to 197 microns		1.420	0.939	2.110	2.140	2.560
>197 to 210 microns, Phi 2.25		1.150	0.854	0.857	0.924	2.280
>210 to 217 microns		0.638	0.485	0.375	0.418	1.290
>217 to 245 microns		3.010	2.450	1.060	1.240	6.090
>245 to 250 microns, Phi 2		0.588	0.496	0.132	0.166	1.190
>250 to 300 microns, Phi 1.75		7.140	6.350	0.814	1.130	13.000
>300 to 320 microns		3.770	3.490	0.145	0.245	5.290
>320 to 350 microns, Phi 1.5		5.490	5.110	0.185	0.319	7.290
>350 to 360 microns		2.030	1.920	0.040	0.077	2.190
>360 to 400 microns		7.670	7.300	0.143	0.277	8.050
>400 to 420 microns, Phi 1.25		3.780	3.750	0.049	0.102	3.340
>420 to 440 microns		3.600	3.570	0.047	0.098	3.180
>440 to 500 microns, Phi 1		9.430	10.200	0.109	0.228	7.810
>500 to 590 microns, Phi 0.75		10.700	13.100	0.027	0.058	8.740
>590 to 630 microns		3.400	4.830	0.000	0.000	2.900
>630 to 696 microns		4.840	7.080	0.000	0.000	4.170
>696 to 710 microns, Phi 0.5		0.821	1.290	0.000	0.000	0.725
>710 to 773 microns		3.500	5.500	0.000	0.000	3.100
>773 to 840 microns, Phi 0.25		2.730	4.610	0.000	0.000	2.500
>840 to 850 microns		0.382	0.649	0.000	0.000	0.351
>850 to 930 microns		2.480	4.380	0.000	0.000	2.350
>930 to 1000 microns, Phi 0		1.650	3.060	0.000	0.000	1.620
1000 to 1100 microns		1.380	2.800	0.000	0.000	1.520
>1100 to 1190 microns, Phi -0.25		0.853	1.800	0.000	0.000	1.000
>1190 to 1300 microns		0.516	1.120	0.000	0.000	0.683
>1300 to 1410 microns, Phi -0.5		0.283	0.614	0.000	0.000	0.401
>1410 to 1680 microns, Phi -0.75		0.184	0.400	0.000	0.000	0.284
>1680 to 2000 microns, Phi -1		0.000	0.000	0.000	0.000	0.000
>2000 microns*		ND	ND	ND	ND	ND
Totals:		100.049	100.043	100.126	99.909	100.040

*=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
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-15	I-16	I-16	I-18	I-18
		P525191 06-JUL-2010	P503217 07-JAN-2010	P525327 07-JUL-2010	P503223 07-JAN-2010	P525196 06-JUL-2010
<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	0.096	0.000	0.000	0.000
>2.9 to 3.4 microns		0.000	0.164	0.000	0.107	0.000
>3.4 to 3.9 microns, Phi 8		0.000	0.180	0.000	0.131	0.112
>3.9 to 4 microns		0.000	0.039	0.009	0.028	0.024
>4.0 to 4.3 microns		0.000	0.111	0.028	0.080	0.069
>4.3 to 4.5 microns		0.005	0.072	0.020	0.051	0.044
>4.5 to 5 microns		0.092	0.196	0.093	0.136	0.117
>5 to 5.5 microns		0.091	0.197	0.093	0.135	0.115
>5.5 to 5.7 microns		0.035	0.076	0.036	0.052	0.044
>5.7 to 5.9 microns, Phi 7.5		0.035	0.075	0.036	0.051	0.044
>5.9 to 7.8 microns, Phi 7		0.331	0.729	0.339	0.485	0.410
>7.8 to 8 microns		0.034	0.074	0.035	0.049	0.041
>8 to 8.5 microns		0.080	0.177	0.083	0.117	0.098
>8.5 to 8.9 microns		0.062	0.136	0.064	0.089	0.075
>8.9 to 9.1 microns		0.031	0.069	0.033	0.045	0.038
>9.1 to 9.5 microns		0.061	0.133	0.063	0.087	0.073
>9.5 to 9.8 microns		0.044	0.096	0.046	0.063	0.053
>9.8 to 10.1 microns		0.043	0.093	0.044	0.061	0.051
>10.1 to 10.6 microns		0.073	0.158	0.075	0.103	0.086
>10.6 to 11.1 microns		0.069	0.151	0.072	0.099	0.082
>11.1 to 11.3 microns		0.027	0.059	0.028	0.038	0.032
>11.3 to 11.7 microns, Phi 6.5		0.053	0.114	0.055	0.075	0.062
>11.7 to 14 microns		0.281	0.588	0.285	0.394	0.324
>14 to 14.8 microns		0.089	0.183	0.089	0.124	0.101
>14.8 to 15.6 microns		0.085	0.173	0.085	0.120	0.098
>15.6 to 16 microns		0.041	0.083	0.042	0.059	0.048
>16 to 20 microns		0.368	0.721	0.364	0.524	0.423
>20 to 23 microns, Phi 5.5		0.233	0.435	0.227	0.342	0.272
>23 to 27 microns		0.272	0.495	0.265	0.429	0.338
>27 to 31 microns, Phi 5		0.246	0.452	0.249	0.439	0.343
>31 to 32 microns		0.060	0.113	0.064	0.119	0.093
>32 to 35.6 microns		0.212	0.415	0.233	0.463	0.363
>35.6 to 37 microns, Phi 4.75		0.084	0.173	0.098	0.207	0.163
>37 to 39.6 microns		0.152	0.323	0.184	0.396	0.312
>39.6 to 43.6 microns		0.257	0.617	0.356	0.835	0.669
>43.6 to 44 microns, Phi 4.5		0.024	0.059	0.034	0.079	0.063
>44 to 45 microns		0.061	0.149	0.086	0.204	0.164
>45 to 46.4 microns		0.102	0.300	0.177	0.457	0.379
>46.4 to 53 microns, Phi 4.25		0.468	1.470	0.877	2.320	1.950
>53 to 62.5 microns, Phi 4		0.736	3.040	1.910	5.390	4.830
>62.5 to 64 microns		0.119	0.567	0.368	1.060	0.976
>64 to 71.7 microns		0.623	3.380	2.300	6.540	6.270

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-15	I-16	I-16	I-18	I-18
		P525191 06-JUL-2010	P503217 07-JAN-2010	P525327 07-JUL-2010	P503223 07-JAN-2010	P525196 06-JUL-2010
>71.7 to 74 microns		0.186	1.100	0.774	2.190	2.140
>74 to 79.6 microns		0.456	2.900	2.110	5.740	5.750
>79.6 to 87.6 microns		0.651	4.490	3.430	8.940	9.180
>87.6 to 88 microns, Phi 3.5		0.031	0.214	0.164	0.425	0.437
>88 to 90 microns		0.171	1.220	0.995	2.290	2.410
>90 to 105 microns, Phi 3.25		1.280	9.060	7.720	16.100	17.100
>105 to 125 microns, Phi 3		1.880	11.400	10.700	16.000	17.200
>125 to 149 microns, Phi 2.75		2.700	11.700	12.000	11.500	12.300
>149 to 160 microns		1.560	4.540	5.010	3.110	3.220
>160 to 177 microns, Phi 2.5		2.600	6.220	7.100	3.550	3.620
>177 to 197 microns		3.750	5.990	7.270	2.430	2.370
>197 to 210 microns, Phi 2.25		2.920	3.170	4.030	1.000	0.945
>210 to 217 microns		1.610	1.560	2.020	0.443	0.410
>217 to 245 microns		6.890	5.160	6.830	1.280	1.150
>245 to 250 microns, Phi 2		1.270	0.775	1.050	0.163	0.143
>250 to 300 microns, Phi 1.75		12.600	5.770	7.990	1.060	0.889
>300 to 320 microns		4.520	1.370	1.940	0.212	0.164
>320 to 350 microns, Phi 1.5		6.120	1.780	2.520	0.274	0.210
>350 to 360 microns		1.730	0.414	0.584	0.064	0.047
>360 to 400 microns		6.320	1.480	2.090	0.230	0.169
>400 to 420 microns, Phi 1.25		2.500	0.498	0.688	0.084	0.060
>420 to 440 microns		2.390	0.475	0.656	0.080	0.057
>440 to 500 microns, Phi 1		5.690	0.990	1.340	0.189	0.133
>500 to 590 microns, Phi 0.75		6.260	0.762	1.020	0.048	0.034
>590 to 630 microns		2.120	0.016	0.203	0.000	0.000
>630 to 696 microns		3.100	0.000	0.219	0.000	0.000
>696 to 710 microns, Phi 0.5		0.564	0.000	0.000	0.000	0.000
>710 to 773 microns		2.410	0.000	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25		2.100	0.000	0.000	0.000	0.000
>840 to 850 microns		0.297	0.000	0.000	0.000	0.000
>850 to 930 microns		2.070	0.000	0.000	0.000	0.000
>930 to 1000 microns, Phi 0		1.520	0.000	0.000	0.000	0.000
1000 to 1100 microns		1.520	0.000	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25		1.040	0.000	0.000	0.000	0.000
>1190 to 1300 microns		0.743	0.000	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5		0.440	0.000	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75		0.316	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	ND	ND	ND
Totals:		100.004	99.985	99.998	99.985	99.987

*=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
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-20	I-20	I-21	I-21	I-22
		P503229 07-JAN-2010	P526189 08-JUL-2010	P503234 07-JAN-2010	P526195 08-JUL-2010	P503237 07-JAN-2010
<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	0.155
>2.4 to 2.9 microns, Phi 8.5		0.000	0.000	0.000	0.000	0.202
>2.9 to 3.4 microns		0.000	0.000	0.000	0.000	0.211
>3.4 to 3.9 microns, Phi 8		0.110	0.000	0.000	0.000	0.228
>3.9 to 4 microns		0.024	0.000	0.000	0.000	0.048
>4.0 to 4.3 microns		0.069	0.000	0.000	0.000	0.139
>4.3 to 4.5 microns		0.045	0.000	0.000	0.000	0.090
>4.5 to 5 microns		0.123	0.000	0.000	0.000	0.241
>5 to 5.5 microns		0.123	0.000	0.000	0.000	0.240
>5.5 to 5.7 microns		0.047	0.000	0.000	0.000	0.093
>5.7 to 5.9 microns, Phi 7.5		0.047	0.005	0.000	0.000	0.092
>5.9 to 7.8 microns, Phi 7		0.449	0.243	0.000	0.000	0.872
>7.8 to 8 microns		0.044	0.024	0.000	0.000	0.088
>8 to 8.5 microns		0.106	0.057	0.000	0.000	0.211
>8.5 to 8.9 microns		0.081	0.043	0.000	0.000	0.162
>8.9 to 9.1 microns		0.040	0.021	0.000	0.000	0.082
>9.1 to 9.5 microns		0.077	0.041	0.000	0.000	0.158
>9.5 to 9.8 microns		0.056	0.030	0.000	0.000	0.114
>9.8 to 10.1 microns		0.054	0.029	0.000	0.000	0.111
>10.1 to 10.6 microns		0.090	0.047	0.000	0.000	0.188
>10.6 to 11.1 microns		0.085	0.045	0.000	0.000	0.179
>11.1 to 11.3 microns		0.033	0.018	0.000	0.000	0.069
>11.3 to 11.7 microns, Phi 6.5		0.064	0.034	0.000	0.000	0.136
>11.7 to 14 microns		0.316	0.169	0.000	0.000	0.707
>14 to 14.8 microns		0.095	0.051	0.000	0.000	0.222
>14.8 to 15.6 microns		0.087	0.047	0.000	0.000	0.213
>15.6 to 16 microns		0.040	0.022	0.000	0.000	0.104
>16 to 20 microns		0.336	0.181	0.000	0.000	0.918
>20 to 23 microns, Phi 5.5		0.181	0.000	0.000	0.000	0.584
>23 to 27 microns		0.179	0.000	0.000	0.000	0.707
>27 to 31 microns, Phi 5		0.135	0.000	0.000	0.000	0.691
>31 to 32 microns		0.029	0.000	0.000	0.000	0.181
>32 to 35.6 microns		0.094	0.000	0.000	0.000	0.683
>35.6 to 37 microns, Phi 4.75		0.033	0.000	0.000	0.000	0.294
>37 to 39.6 microns		0.058	0.000	0.000	0.000	0.553
>39.6 to 43.6 microns		0.081	0.000	0.000	0.000	1.100
>43.6 to 44 microns, Phi 4.5		0.008	0.000	0.000	0.000	0.104
>44 to 45 microns		0.019	0.000	0.000	0.000	0.265
>45 to 46.4 microns		0.027	0.000	0.000	0.000	0.548
>46.4 to 53 microns, Phi 4.25		0.117	0.000	0.000	0.025	2.680
>53 to 62.5 microns, Phi 4		0.157	0.000	0.000	0.151	5.510
>62.5 to 64 microns		0.024	0.000	0.000	0.025	1.020
>64 to 71.7 microns		0.125	0.000	0.000	0.139	5.870

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-20	I-20	I-21	I-21	I-22
		P503229 07-JAN-2010	P526189 08-JUL-2010	P503234 07-JAN-2010	P526195 08-JUL-2010	P503237 07-JAN-2010
>71.7 to 74 microns		0.037	0.000	0.000	0.043	1.880
>74 to 79.6 microns		0.093	0.025	0.022	0.114	4.760
>79.6 to 87.6 microns		0.136	0.082	0.072	0.177	7.090
>87.6 to 88 microns, Phi 3.5		0.006	0.004	0.003	0.008	0.337
>88 to 90 microns		0.039	0.023	0.020	0.053	1.770
>90 to 105 microns, Phi 3.25		0.309	0.182	0.162	0.429	12.400
>105 to 125 microns, Phi 3		0.535	0.311	0.280	0.745	13.100
>125 to 149 microns, Phi 2.75		0.895	0.514	0.481	1.190	10.900
>149 to 160 microns		0.572	0.331	0.330	0.730	3.440
>160 to 177 microns, Phi 2.5		0.980	0.573	0.593	1.250	4.280
>177 to 197 microns		1.480	0.887	1.000	1.900	3.430
>197 to 210 microns, Phi 2.25		1.180	0.734	0.943	1.600	1.590
>210 to 217 microns		0.650	0.409	0.539	0.897	0.741
>217 to 245 microns		2.820	1.850	2.730	4.240	2.270
>245 to 250 microns, Phi 2		0.526	0.351	0.554	0.827	0.314
>250 to 300 microns, Phi 1.75		5.430	3.840	6.910	9.590	2.160
>300 to 320 microns		2.240	1.740	3.630	4.490	0.465
>320 to 350 microns, Phi 1.5		3.180	2.510	5.280	6.380	0.600
>350 to 360 microns		1.080	0.906	1.940	2.160	0.138
>360 to 400 microns		4.130	3.500	7.380	8.070	0.497
>400 to 420 microns, Phi 1.25		2.140	1.940	3.770	3.740	0.172
>420 to 440 microns		2.040	1.850	3.600	3.560	0.164
>440 to 500 microns, Phi 1		6.540	6.280	10.300	9.330	0.361
>500 to 590 microns, Phi 0.75		10.300	10.700	13.400	11.000	0.089
>590 to 630 microns		4.990	5.650	4.860	3.690	0.000
>630 to 696 microns		7.820	9.040	7.070	5.310	0.000
>696 to 710 microns, Phi 0.5		1.660	2.010	1.250	0.922	0.000
>710 to 773 microns		7.080	8.570	5.350	3.940	0.000
>773 to 840 microns, Phi 0.25		6.610	8.320	4.270	3.160	0.000
>840 to 850 microns		0.938	1.180	0.598	0.443	0.000
>850 to 930 microns		6.310	8.030	3.930	2.950	0.000
>930 to 1000 microns, Phi 0		4.400	5.660	2.650	2.030	0.000
1000 to 1100 microns		3.780	4.870	2.380	1.890	0.000
>1100 to 1190 microns, Phi -0.25		2.330	2.990	1.520	1.240	0.000
>1190 to 1300 microns		1.300	1.650	0.963	0.825	0.000
>1300 to 1410 microns, Phi -0.5		0.685	0.858	0.542	0.476	0.000
>1410 to 1680 microns, Phi -0.75		0.681	0.516	0.591	0.331	0.000
>1680 to 2000 microns, Phi -1		0.122	0.000	0.106	0.000	0.000
>2000 microns*		ND	ND	ND	ND	ND
Totals:		99.952	99.993	100.019	100.070	100.019

*=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
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-22	I-23	I-27	I-27	I-29
		P525335 07-JUL-2010	P503244 07-JAN-2010	P503250 07-JAN-2010	P525338 07-JUL-2010	P503293 08-JAN-2010
<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	0.100
>1.5 to 2 microns, Phi 9		0.000	0.000	0.008	0.000	0.286
>2.0 to 2.4 microns		0.047	0.000	0.152	0.045	0.242
>2.4 to 2.9 microns, Phi 8.5		0.176	0.097	0.194	0.165	0.312
>2.9 to 3.4 microns		0.184	0.163	0.200	0.165	0.320
>3.4 to 3.9 microns, Phi 8		0.199	0.174	0.213	0.171	0.341
>3.9 to 4 microns		0.042	0.038	0.044	0.035	0.070
>4.0 to 4.3 microns		0.121	0.108	0.127	0.101	0.202
>4.3 to 4.5 microns		0.078	0.070	0.082	0.065	0.129
>4.5 to 5 microns		0.209	0.189	0.217	0.169	0.341
>5 to 5.5 microns		0.208	0.190	0.212	0.164	0.334
>5.5 to 5.7 microns		0.080	0.074	0.082	0.063	0.129
>5.7 to 5.9 microns, Phi 7.5		0.079	0.073	0.080	0.062	0.126
>5.9 to 7.8 microns, Phi 7		0.755	0.710	0.745	0.566	1.160
>7.8 to 8 microns		0.076	0.073	0.074	0.056	0.117
>8 to 8.5 microns		0.183	0.175	0.176	0.134	0.280
>8.5 to 8.9 microns		0.140	0.135	0.135	0.102	0.216
>8.9 to 9.1 microns		0.071	0.069	0.068	0.051	0.109
>9.1 to 9.5 microns		0.137	0.133	0.131	0.099	0.212
>9.5 to 9.8 microns		0.099	0.096	0.095	0.072	0.153
>9.8 to 10.1 microns		0.096	0.093	0.092	0.070	0.149
>10.1 to 10.6 microns		0.164	0.160	0.154	0.116	0.254
>10.6 to 11.1 microns		0.156	0.152	0.147	0.111	0.242
>11.1 to 11.3 microns		0.060	0.059	0.057	0.043	0.094
>11.3 to 11.7 microns, Phi 6.5		0.118	0.115	0.111	0.084	0.185
>11.7 to 14 microns		0.619	0.605	0.578	0.444	0.993
>14 to 14.8 microns		0.194	0.190	0.181	0.140	0.319
>14.8 to 15.6 microns		0.187	0.182	0.175	0.137	0.316
>15.6 to 16 microns		0.091	0.088	0.086	0.068	0.157
>16 to 20 microns		0.808	0.778	0.768	0.613	1.450
>20 to 23 microns, Phi 5.5		0.516	0.486	0.503	0.416	1.020
>23 to 27 microns		0.628	0.573	0.636	0.546	1.370
>27 to 31 microns, Phi 5		0.616	0.544	0.655	0.586	1.460
>31 to 32 microns		0.162	0.140	0.179	0.164	0.397
>32 to 35.6 microns		0.613	0.525	0.691	0.645	1.490
>35.6 to 37 microns, Phi 4.75		0.265	0.224	0.309	0.294	0.644
>37 to 39.6 microns		0.500	0.422	0.587	0.563	1.190
>39.6 to 43.6 microns		1.000	0.841	1.230	1.210	2.240
>43.6 to 44 microns, Phi 4.5		0.095	0.080	0.116	0.114	0.213
>44 to 45 microns		0.243	0.204	0.298	0.294	0.536
>45 to 46.4 microns		0.512	0.436	0.651	0.660	1.000
>46.4 to 53 microns, Phi 4.25		2.530	2.180	3.240	3.320	4.680
>53 to 62.5 microns, Phi 4		5.400	4.930	7.060	7.440	8.050
>62.5 to 64 microns		1.010	0.960	1.330	1.420	1.350
>64 to 71.7 microns		5.990	5.980	7.770	8.330	7.070

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-22	I-23	I-27	I-27	I-29
		P525335 07-JUL-2010	P503244 07-JAN-2010	P503250 07-JAN-2010	P525338 07-JUL-2010	P503293 08-JAN-2010
>71.7 to 74 microns		1.940	2.000	2.510	2.690	2.120
>74 to 79.6 microns		4.970	5.330	6.270	6.730	5.040
>79.6 to 87.6 microns		7.510	8.400	9.210	9.850	6.910
>87.6 to 88 microns, Phi 3.5		0.357	0.399	0.438	0.469	0.329
>88 to 90 microns		1.910	2.200	2.190	2.320	1.600
>90 to 105 microns, Phi 3.25		13.400	15.600	14.700	15.400	10.700
>105 to 125 microns, Phi 3		14.300	16.000	13.400	13.700	10.400
>125 to 149 microns, Phi 2.75		11.700	11.700	9.180	8.980	8.050
>149 to 160 microns		3.580	3.180	2.430	2.280	2.400
>160 to 177 microns, Phi 2.5		4.340	3.650	2.770	2.540	2.890
>177 to 197 microns		3.270	2.510	1.910	1.670	2.180
>197 to 210 microns, Phi 2.25		1.420	1.050	0.800	0.674	0.961
>210 to 217 microns		0.642	0.464	0.357	0.295	0.439
>217 to 245 microns		1.870	1.350	1.040	0.837	1.300
>245 to 250 microns, Phi 2		0.243	0.174	0.136	0.105	0.174
>250 to 300 microns, Phi 1.75		1.550	1.140	0.900	0.671	1.150
>300 to 320 microns		0.288	0.233	0.189	0.129	0.237
>320 to 350 microns, Phi 1.5		0.366	0.301	0.245	0.167	0.305
>350 to 360 microns		0.078	0.071	0.059	0.038	0.070
>360 to 400 microns		0.279	0.256	0.213	0.138	0.252
>400 to 420 microns, Phi 1.25		0.093	0.094	0.079	0.050	0.089
>420 to 440 microns		0.088	0.090	0.076	0.048	0.085
>440 to 500 microns, Phi 1		0.194	0.212	0.181	0.115	0.194
>500 to 590 microns, Phi 0.75		0.048	0.054	0.046	0.029	0.049
>590 to 630 microns		0.000	0.000	0.000	0.000	0.000
>630 to 696 microns		0.000	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	ND	ND	ND
Totals:		99.893	99.972	99.968	100.038	99.972

*=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
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-29	I-30	I-30	I-31	I-31
		P526205 08-JUL-2010	P503295 08-JAN-2010	P525343 07-JUL-2010	P503302 08-JAN-2010	P525206 06-JUL-2010
<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		0.273	0.008	0.000	0.000	0.000
>2.0 to 2.4 microns		0.238	0.152	0.049	0.000	0.000
>2.4 to 2.9 microns, Phi 8.5		0.304	0.193	0.180	0.000	0.000
>2.9 to 3.4 microns		0.308	0.198	0.182	0.000	0.104
>3.4 to 3.9 microns, Phi 8		0.325	0.210	0.191	0.113	0.128
>3.9 to 4 microns		0.067	0.044	0.039	0.025	0.027
>4.0 to 4.3 microns		0.191	0.127	0.113	0.072	0.079
>4.3 to 4.5 microns		0.122	0.082	0.072	0.046	0.051
>4.5 to 5 microns		0.320	0.217	0.189	0.125	0.136
>5 to 5.5 microns		0.313	0.215	0.185	0.126	0.136
>5.5 to 5.7 microns		0.120	0.083	0.071	0.049	0.053
>5.7 to 5.9 microns, Phi 7.5		0.118	0.082	0.070	0.049	0.052
>5.9 to 7.8 microns, Phi 7		1.080	0.772	0.638	0.475	0.503
>7.8 to 8 microns		0.108	0.078	0.063	0.049	0.051
>8 to 8.5 microns		0.259	0.188	0.150	0.116	0.122
>8.5 to 8.9 microns		0.199	0.145	0.115	0.089	0.094
>8.9 to 9.1 microns		0.101	0.074	0.058	0.045	0.048
>9.1 to 9.5 microns		0.195	0.142	0.112	0.088	0.092
>9.5 to 9.8 microns		0.141	0.103	0.081	0.063	0.066
>9.8 to 10.1 microns		0.137	0.100	0.078	0.061	0.064
>10.1 to 10.6 microns		0.232	0.171	0.131	0.104	0.109
>10.6 to 11.1 microns		0.221	0.163	0.125	0.100	0.104
>11.1 to 11.3 microns		0.086	0.063	0.048	0.039	0.040
>11.3 to 11.7 microns, Phi 6.5		0.169	0.124	0.095	0.075	0.079
>11.7 to 14 microns		0.903	0.661	0.498	0.390	0.408
>14 to 14.8 microns		0.289	0.210	0.157	0.121	0.127
>14.8 to 15.6 microns		0.285	0.205	0.153	0.115	0.120
>15.6 to 16 microns		0.142	0.101	0.076	0.055	0.058
>16 to 20 microns		1.300	0.917	0.686	0.481	0.504
>20 to 23 microns, Phi 5.5		0.907	0.614	0.465	0.291	0.307
>23 to 27 microns		1.200	0.781	0.612	0.335	0.354
>27 to 31 microns, Phi 5		1.270	0.799	0.657	0.316	0.332
>31 to 32 microns		0.342	0.215	0.184	0.082	0.085
>32 to 35.6 microns		1.290	0.827	0.723	0.310	0.320
>35.6 to 37 microns, Phi 4.75		0.551	0.365	0.329	0.135	0.138
>37 to 39.6 microns		1.020	0.692	0.629	0.259	0.261
>39.6 to 43.6 microns		1.910	1.420	1.340	0.545	0.539
>43.6 to 44 microns, Phi 4.5		0.181	0.135	0.127	0.052	0.051
>44 to 45 microns		0.456	0.345	0.326	0.133	0.132
>45 to 46.4 microns		0.846	0.740	0.726	0.310	0.299
>46.4 to 53 microns, Phi 4.25		3.960	3.660	3.630	1.610	1.550
>53 to 62.5 microns, Phi 4		6.790	7.760	7.950	4.130	3.970
>62.5 to 64 microns		1.140	1.440	1.500	0.851	0.822
>64 to 71.7 microns		6.000	8.230	8.650	5.680	5.540

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-29	I-30	I-30	I-31	I-31
		P526205 08-JUL-2010	P503295 08-JAN-2010	P525343 07-JUL-2010	P503302 08-JAN-2010	P525206 06-JUL-2010
>71.7 to 74 microns		1.800	2.620	2.770	1.980	1.940
>74 to 79.6 microns		4.310	6.430	6.840	5.470	5.400
>79.6 to 87.6 microns		5.970	9.230	9.850	9.000	8.960
>87.6 to 88 microns, Phi 3.5		0.284	0.439	0.469	0.428	0.426
>88 to 90 microns		1.420	2.130	2.280	2.440	2.460
>90 to 105 microns, Phi 3.25		9.650	14.000	15.000	17.600	17.900
>105 to 125 microns, Phi 3		10.100	12.400	13.000	18.000	18.500
>125 to 149 microns, Phi 2.75		8.790	8.250	8.470	12.800	13.000
>149 to 160 microns		2.970	2.170	2.140	3.320	3.330
>160 to 177 microns, Phi 2.5		3.820	2.480	2.370	3.700	3.670
>177 to 197 microns		3.290	1.730	1.540	2.420	2.330
>197 to 210 microns, Phi 2.25		1.610	0.736	0.618	0.967	0.907
>210 to 217 microns		0.772	0.331	0.268	0.421	0.389
>217 to 245 microns		2.460	0.982	0.756	1.190	1.080
>245 to 250 microns, Phi 2		0.355	0.131	0.094	0.149	0.131
>250 to 300 microns, Phi 1.75		2.570	0.894	0.590	0.949	0.803
>300 to 320 microns		0.606	0.200	0.110	0.185	0.145
>320 to 350 microns, Phi 1.5		0.791	0.262	0.141	0.238	0.185
>350 to 360 microns		0.190	0.065	0.032	0.055	0.041
>360 to 400 microns		0.687	0.238	0.114	0.200	0.147
>400 to 420 microns, Phi 1.25		0.245	0.092	0.041	0.073	0.052
>420 to 440 microns		0.234	0.088	0.039	0.070	0.050
>440 to 500 microns, Phi 1		0.518	0.215	0.022	0.167	0.117
>500 to 590 microns, Phi 0.75		0.129	0.055	0.000	0.042	0.030
>590 to 630 microns		0.000	0.000	0.000	0.000	0.000
>630 to 696 microns		0.000	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	ND	ND	ND
Totals:		99.980	100.019	100.007	99.974	100.048

*=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
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-33	I-33	I-34	I-34	I-35
		P503308 08-JAN-2010	P525350 07-JUL-2010	P503311 08-JAN-2010	P525355 07-JUL-2010	P503318 08-JAN-2010
<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	0.098
>1.5 to 2 microns, Phi 9		0.000	0.008	0.000	0.000	0.277
>2.0 to 2.4 microns		0.049	0.155	0.000	0.000	0.230
>2.4 to 2.9 microns, Phi 8.5		0.187	0.208	0.000	0.000	0.293
>2.9 to 3.4 microns		0.202	0.222	0.000	0.000	0.300
>3.4 to 3.9 microns, Phi 8		0.225	0.244	0.000	0.000	0.316
>3.9 to 4 microns		0.048	0.052	0.000	0.000	0.066
>4.0 to 4.3 microns		0.139	0.149	0.000	0.000	0.190
>4.3 to 4.5 microns		0.090	0.097	0.000	0.000	0.122
>4.5 to 5 microns		0.247	0.262	0.000	0.000	0.323
>5 to 5.5 microns		0.247	0.260	0.000	0.000	0.323
>5.5 to 5.7 microns		0.096	0.101	0.000	0.000	0.125
>5.7 to 5.9 microns, Phi 7.5		0.095	0.100	0.000	0.005	0.123
>5.9 to 7.8 microns, Phi 7		0.914	0.947	0.000	0.233	1.190
>7.8 to 8 microns		0.092	0.094	0.000	0.024	0.127
>8 to 8.5 microns		0.220	0.226	0.000	0.057	0.303
>8.5 to 8.9 microns		0.169	0.173	0.000	0.044	0.235
>8.9 to 9.1 microns		0.085	0.086	0.000	0.023	0.124
>9.1 to 9.5 microns		0.164	0.167	0.000	0.044	0.240
>9.5 to 9.8 microns		0.119	0.121	0.000	0.032	0.173
>9.8 to 10.1 microns		0.115	0.117	0.000	0.031	0.168
>10.1 to 10.6 microns		0.194	0.196	0.000	0.053	0.302
>10.6 to 11.1 microns		0.185	0.187	0.000	0.050	0.288
>11.1 to 11.3 microns		0.072	0.073	0.000	0.019	0.111
>11.3 to 11.7 microns, Phi 6.5		0.139	0.140	0.000	0.038	0.224
>11.7 to 14 microns		0.711	0.711	0.000	0.202	1.270
>14 to 14.8 microns		0.220	0.218	0.000	0.064	0.423
>14.8 to 15.6 microns		0.206	0.204	0.000	0.060	0.429
>15.6 to 16 microns		0.098	0.097	0.000	0.029	0.218
>16 to 20 microns		0.848	0.831	0.000	0.256	2.080
>20 to 23 microns, Phi 5.5		0.502	0.486	0.000	0.156	1.570
>23 to 27 microns		0.559	0.535	0.000	0.173	2.160
>27 to 31 microns, Phi 5		0.495	0.468	0.000	0.144	2.260
>31 to 32 microns		0.120	0.113	0.000	0.033	0.595
>32 to 35.6 microns		0.433	0.402	0.000	0.110	2.160
>35.6 to 37 microns, Phi 4.75		0.175	0.161	0.000	0.040	0.881
>37 to 39.6 microns		0.323	0.297	0.000	0.070	1.600
>39.6 to 43.6 microns		0.589	0.537	0.000	0.102	2.720
>43.6 to 44 microns, Phi 4.5		0.056	0.051	0.000	0.010	0.258
>44 to 45 microns		0.141	0.129	0.001	0.024	0.645
>45 to 46.4 microns		0.274	0.251	0.029	0.035	1.080
>46.4 to 53 microns, Phi 4.25		1.330	1.230	0.138	0.153	4.900
>53 to 62.5 microns, Phi 4		2.770	2.620	0.254	0.215	7.550
>62.5 to 64 microns		0.526	0.506	0.046	0.034	1.210
>64 to 71.7 microns		3.340	3.270	0.279	0.183	6.190

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-33	I-33	I-34	I-34	I-35
		P503308 08-JAN-2010	P525350 07-JUL-2010	P503311 08-JAN-2010	P525355 07-JUL-2010	P503318 08-JAN-2010
>71.7 to 74 microns		1.130	1.120	0.092	0.056	1.820
>74 to 79.6 microns		3.180	3.190	0.262	0.147	4.310
>79.6 to 87.6 microns		5.320	5.380	0.444	0.226	5.880
>87.6 to 88 microns, Phi 3.5		0.253	0.256	0.021	0.011	0.280
>88 to 90 microns		1.620	1.650	0.153	0.071	1.380
>90 to 105 microns, Phi 3.25		12.800	13.000	1.370	0.598	9.300
>105 to 125 microns, Phi 3		17.100	17.300	2.970	1.210	9.390
>125 to 149 microns, Phi 2.75		15.900	16.000	5.630	2.300	7.570
>149 to 160 microns		5.010	4.980	3.610	1.580	2.340
>160 to 177 microns, Phi 2.5		6.090	6.020	6.000	2.760	2.880
>177 to 197 microns		4.460	4.390	8.110	4.220	2.250
>197 to 210 microns, Phi 2.25		1.890	1.850	5.330	3.270	1.020
>210 to 217 microns		0.844	0.828	2.810	1.800	0.474
>217 to 245 microns		2.430	2.380	10.200	7.450	1.440
>245 to 250 microns, Phi 2		0.311	0.305	1.660	1.350	0.197
>250 to 300 microns, Phi 1.75		1.980	1.940	13.200	12.800	1.360
>300 to 320 microns		0.370	0.367	3.430	4.420	0.296
>320 to 350 microns, Phi 1.5		0.472	0.469	4.510	6.010	0.384
>350 to 360 microns		0.103	0.103	1.120	1.720	0.091
>360 to 400 microns		0.370	0.370	4.070	6.340	0.329
>400 to 420 microns, Phi 1.25		0.126	0.127	1.540	2.640	0.119
>420 to 440 microns		0.120	0.121	1.470	2.510	0.113
>440 to 500 microns, Phi 1		0.267	0.270	3.560	6.320	0.259
>500 to 590 microns, Phi 0.75		0.066	0.067	4.110	7.350	0.065
>590 to 630 microns		0.000	0.000	1.490	2.550	0.000
>630 to 696 microns		0.000	0.000	2.220	3.710	0.000
>696 to 710 microns, Phi 0.5		0.000	0.000	0.421	0.666	0.000
>710 to 773 microns		0.000	0.000	1.800	2.840	0.000
>773 to 840 microns, Phi 0.25		0.000	0.000	1.610	2.360	0.000
>840 to 850 microns		0.000	0.000	0.228	0.332	0.000
>850 to 930 microns		0.000	0.000	1.590	2.240	0.000
>930 to 1000 microns, Phi 0		0.000	0.000	1.160	1.560	0.000
1000 to 1100 microns		0.000	0.000	1.140	1.480	0.000
>1100 to 1190 microns, Phi -0.25		0.000	0.000	0.774	0.976	0.000
>1190 to 1300 microns		0.000	0.000	0.547	0.663	0.000
>1300 to 1410 microns, Phi -0.5		0.000	0.000	0.358	0.406	0.000
>1410 to 1680 microns, Phi -0.75		0.000	0.000	0.285	0.303	0.000
>1680 to 2000 microns, Phi -1		0.000	0.000	0.000	0.000	0.000
>2000 microns*		ND	ND	ND	ND	ND
Totals:		100.021	99.985	100.042	99.991	100.017

*=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
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	06-JUL-2010
<0.500 microns, Phi 11		0.000
>0.5 to 1 microns, Phi 10		0.000
>1 to 1.5 microns, Phi 9.5		0.102
>1.5 to 2 microns, Phi 9		0.284
>2.0 to 2.4 microns		0.230
>2.4 to 2.9 microns, Phi 8.5		0.282
>2.9 to 3.4 microns		0.276
>3.4 to 3.9 microns, Phi 8		0.280
>3.9 to 4 microns		0.058
>4.0 to 4.3 microns		0.166
>4.3 to 4.5 microns		0.106
>4.5 to 5 microns		0.276
>5 to 5.5 microns		0.275
>5.5 to 5.7 microns		0.106
>5.7 to 5.9 microns, Phi 7.5		0.104
>5.9 to 7.8 microns, Phi 7		1.000
>7.8 to 8 microns		0.109
>8 to 8.5 microns		0.262
>8.5 to 8.9 microns		0.204
>8.9 to 9.1 microns		0.109
>9.1 to 9.5 microns		0.211
>9.5 to 9.8 microns		0.153
>9.8 to 10.1 microns		0.148
>10.1 to 10.6 microns		0.272
>10.6 to 11.1 microns		0.259
>11.1 to 11.3 microns		0.100
>11.3 to 11.7 microns, Phi 6.5		0.204
>11.7 to 14 microns		1.190
>14 to 14.8 microns		0.405
>14.8 to 15.6 microns		0.418
>15.6 to 16 microns		0.215
>16 to 20 microns		2.100
>20 to 23 microns, Phi 5.5		1.650
>23 to 27 microns		2.340
>27 to 31 microns, Phi 5		2.450
>31 to 32 microns		0.640
>32 to 35.6 microns		2.290
>35.6 to 37 microns, Phi 4.75		0.922
>37 to 39.6 microns		1.670
>39.6 to 43.6 microns		2.770
>43.6 to 44 microns, Phi 4.5		0.263
>44 to 45 microns		0.655
>45 to 46.4 microns		1.070
>46.4 to 53 microns, Phi 4.25		4.870
>53 to 62.5 microns, Phi 4		7.440
>62.5 to 64 microns		1.190
>64 to 71.7 microns		6.100

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL- Grain Size
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	06-JUL-2010
I-35 P525211		
=====		
>71.7 to 74 microns		1.800
>74 to 79.6 microns		4.280
>79.6 to 87.6 microns		5.870
>87.6 to 88 microns, Phi 3.5		0.279
>88 to 90 microns		1.390
>90 to 105 microns, Phi 3.25		9.430
>105 to 125 microns, Phi 3		9.670
>125 to 149 microns, Phi 2.75		7.900
>149 to 160 microns		2.440
>160 to 177 microns, Phi 2.5		2.990
>177 to 197 microns		2.300
>197 to 210 microns, Phi 2.25		1.020
>210 to 217 microns		0.464
>217 to 245 microns		1.370
>245 to 250 microns, Phi 2		0.182
>250 to 300 microns, Phi 1.75		1.190
>300 to 320 microns		0.234
>320 to 350 microns, Phi 1.5		0.299
>350 to 360 microns		0.066
>360 to 400 microns		0.237
>400 to 420 microns, Phi 1.25		0.080
>420 to 440 microns		0.077
>440 to 500 microns, Phi 1		0.171
>500 to 590 microns, Phi 0.75		0.043
>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
>2000 microns*		ND
=====		
Totals:		100.006

*=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
 SEDIMENT - Grain Size (Sieve)
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	I-23	I-28	I-28
		P525200	P503288	P526200
		06-JUL-2010	08-JAN-2010	08-JUL-2010
<63 microns, Phi<4		14.0	23.2	21.7
>63 to 125 microns, Phi>4		58.0	21.8	20.6
>125 to 250 microns, Phi>3		4.2	4.4	5.7
>250 to 500 microns, Phi>2		9.7	16.8	21.2
>500 to 1000 microns, Phi>1		8.8	22.2	23.6
>1000 to 2000 microns, Phi>0		2.2	7.9	5.5
>2000 microns, Phi>-1		3.2	3.8	1.7
Totals:		100	100	100

SOUTH BAY WATER RECLAMATION PLANT
 SEDIMENT ANNUAL Total Organic Carbon/Total Nitrogen - Standard Stations by Quarter

Annual 2010

Analyte	MDL	Units	I-1	I-2	I-3	I-4	I-6	I-7
			Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010
Total Nitrogen	.005	WT%	0.020	0.012	0.009	0.010	0.011	0.012
Total Organic Carbon	.01	WT%	0.183	0.043	0.034	0.063	0.055	0.044

Analyte	MDL	Units	I-8	I-9	I-10	I-12	I-13	I-14
			Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010
Total Nitrogen	.005	WT%	0.011	0.024	0.017	0.016	0.011	0.024
Total Organic Carbon	.01	WT%	0.045	0.170	0.105	0.091	0.037	0.196

Analyte	MDL	Units	I-15	I-16	I-18	I-20	I-21	I-22
			Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010
Total Nitrogen	.005	WT%	0.014	0.015	0.016	0.005	0.011	0.026
Total Organic Carbon	.01	WT%	0.066	0.088	0.089	0.030	0.040	0.197

Analyte	MDL	Units	I-23	I-27	I-28	I-29	I-30	I-31
			Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010
Total Nitrogen	.005	WT%	0.021	0.020	0.041	0.034	0.025	0.020
Total Organic Carbon	.01	WT%	0.110	0.153	0.582	0.347	0.197	0.087

Analyte	MDL	Units	I-33	I-34	I-35
			Avg 2010	Avg 2010	Avg 2010
Total Nitrogen	.005	WT%	0.026	0.019	0.034
Total Organic Carbon	.01	WT%	0.281	0.084	0.283

SOUTH BAY WASTEWATER RECLAMATION PLANT
ANNUAL OCEAN SEDIMENT - STANDARD

Trace Metals

Annual 2010

Source:		I-1	I-2	I-3	I-4	I-6
Date:		2010	2010	2010	2010	2010
Analyte:	MDL Units	Average	Average	Average	Average	Average
=====	=====	=====	=====	=====	=====	=====
Aluminum	2 MG/KG	3040	1090	859	1250	1050
Antimony	.3 MG/KG	<0.3	<0.3	ND	<0.3	<0.3
Arsenic	.33 MG/KG	1.02	<0.33	1.22	1.13	5.44
Beryllium	.01 MG/KG	0.010	ND	ND	ND	ND
Cadmium	.06 MG/KG	0.083	ND	ND	ND	ND
Chromium	.1 MG/KG	8.1	6.4	6.1	7.0	7.2
Copper	.2 MG/KG	1.64	0.49	0.27	0.73	0.58
Iron	9 MG/KG	3800	1190	2120	2650	3890
Lead	.8 MG/KG	2.85	1.23	1.30	1.85	2.12
Manganese	.08 MG/KG	39.3	9.0	7.3	13.4	14.5
Mercury	.003 MG/KG	0.004	<0.003	ND	<0.003	0.003
Nickel	.1 MG/KG	2.68	0.86	0.82	0.86	0.88
Selenium	.24 MG/KG	ND	ND	ND	ND	ND
Silver	.04 MG/KG	ND	ND	0.08	ND	0.14
Thallium	.5 MG/KG	ND	ND	ND	ND	ND
Tin	.3 MG/KG	0.3	ND	ND	ND	ND
Zinc	.25 MG/KG	8.9	2.5	2.8	4.7	4.9

Source:		I-7	I-8	I-9	I-10	I-12
Date:		2010	2010	2010	2010	2010
Analyte:	MDL Units	Average	Average	Average	Average	Average
=====	=====	=====	=====	=====	=====	=====
Aluminum	2 MG/KG	1480	1670	8370	6250	6160
Antimony	.3 MG/KG	<0.3	<0.3	<0.3	<0.3	ND
Arsenic	.33 MG/KG	5.15	2.12	1.28	1.34	1.29
Beryllium	.01 MG/KG	ND	ND	ND	ND	ND
Cadmium	.06 MG/KG	ND	0.07	<0.06	<0.06	0.06
Chromium	.1 MG/KG	9.9	10.9	13.9	11.3	12.5
Copper	.2 MG/KG	0.47	0.63	4.15	3.10	7.17
Iron	9 MG/KG	5300	6090	8010	6570	8340
Lead	.8 MG/KG	2.71	2.82	3.43	2.97	3.10
Manganese	.08 MG/KG	19.4	18.3	80.0	67.2	67.3
Mercury	.003 MG/KG	ND	<0.003	<0.003	ND	ND
Nickel	.1 MG/KG	0.94	1.14	4.49	2.93	4.95
Selenium	.24 MG/KG	ND	ND	ND	ND	ND
Silver	.04 MG/KG	ND	ND	ND	ND	ND
Thallium	.5 MG/KG	ND	ND	ND	<0.50	ND
Tin	.3 MG/KG	ND	ND	0.4	<0.3	0.8
Zinc	.25 MG/KG	5.7	7.3	20.5	15.3	21.4

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

SOUTH BAY WASTEWATER RECLAMATION PLANT
ANNUAL OCEAN SEDIMENT - STANDARD

Trace Metals

Annual 2010

Source:		I-13	I-14	I-15	I-16	I-18
Date:		2010	2010	2010	2010	2010
Analyte:	MDL Units	Average	Average	Average	Average	Average
=====						
Aluminum	2 MG/KG	1360	7370	2240	4070	4470
Antimony	.3 MG/KG	ND	ND	ND	ND	ND
Arsenic	.33 MG/KG	6.64	1.22	1.90	1.12	1.22
Beryllium	.01 MG/KG	ND	ND	ND	ND	ND
Cadmium	.06 MG/KG	ND	ND	ND	ND	ND
Chromium	.1 MG/KG	10.0	11.5	8.5	7.7	10.7
Copper	.2 MG/KG	2.95	6.72	3.03	4.89	4.48
Iron	9 MG/KG	6160	7580	4300	5040	6130
Lead	.8 MG/KG	2.85	1.84	1.84	1.39	1.60
Manganese	.08 MG/KG	17.3	76.5	25.1	53.0	57.6
Mercury	.003 MG/KG	ND	<0.003	<0.003	ND	ND
Nickel	.1 MG/KG	1.26	4.04	1.31	2.06	2.43
Selenium	.24 MG/KG	ND	ND	ND	ND	ND
Silver	.04 MG/KG	ND	ND	ND	ND	ND
Thallium	.5 MG/KG	ND	ND	ND	ND	<0.50
Tin	.3 MG/KG	0.4	0.6	0.4	0.4	0.3
Zinc	.25 MG/KG	6.9	20.1	8.5	12.4	12.6

Source:		I-20	I-21	I-22	I-23	I-27
Date:		2010	2010	2010	2010	2010
Analyte:	MDL Units	Average	Average	Average	Average	Average
=====						
Aluminum	2 MG/KG	1270	1580	5060	4680	5410
Antimony	.3 MG/KG	ND	ND	0.505	0.590	<0.300
Arsenic	.33 MG/KG	2.76	6.91	1.14	1.11	1.14
Beryllium	.01 MG/KG	0.021	0.024	ND	ND	ND
Cadmium	.06 MG/KG	ND	<0.060	<0.060	ND	0.216
Chromium	.1 MG/KG	4.5	11.6	9.4	8.0	10.0
Copper	.2 MG/KG	1.75	1.31	6.04	4.36	5.97
Iron	9 MG/KG	4640	8030	5450	4650	6560
Lead	.8 MG/KG	1.55	3.35	1.86	1.42	2.71
Manganese	.08 MG/KG	16.0	14.0	52.1	48.9	57.5
Mercury	.003 MG/KG	ND	ND	0.004	<0.003	<0.003
Nickel	.1 MG/KG	0.84	1.26	3.36	2.69	4.50
Selenium	.24 MG/KG	ND	ND	ND	ND	ND
Silver	.04 MG/KG	ND	ND	ND	ND	ND
Thallium	.5 MG/KG	ND	ND	ND	ND	ND
Tin	.3 MG/KG	<0.3	0.4	0.4	0.3	0.7
Zinc	.25 MG/KG	6.2	7.5	14.2	12.0	17.1

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

SOUTH BAY WASTEWATER RECLAMATION PLANT
ANNUAL OCEAN SEDIMENT - STANDARD

Trace Metals

Annual 2010

Source:		I-28	I-29	I-30	I-31	I-33
Date:		2010	2010	2010	2010	2010
Analyte:	MDL Units	Average	Average	Average	Average	Average
=====						
Aluminum	2 MG/KG	5980	6380	5930	3210	4190
Antimony	.3 MG/KG	<0.3	ND	<0.3	ND	ND
Arsenic	.33 MG/KG	2.36	1.88	1.46	0.78	1.51
Beryllium	.01 MG/KG	0.048	ND	ND	ND	ND
Cadmium	.06 MG/KG	0.081	0.084	0.078	ND	<0.060
Chromium	.1 MG/KG	9.4	11.6	10.3	6.7	7.6
Copper	.2 MG/KG	3.78	6.00	4.88	3.10	4.74
Iron	9 MG/KG	6100	7340	5980	3030	5450
Lead	.8 MG/KG	3.48	2.73	1.79	1.10	2.76
Manganese	.08 MG/KG	54.9	63.3	59.1	32.6	58.4
Mercury	.003 MG/KG	0.020	0.009	<0.003	<0.003	0.014
Nickel	.1 MG/KG	4.21	4.56	3.54	1.70	2.61
Selenium	.24 MG/KG	ND	ND	ND	ND	ND
Silver	.04 MG/KG	ND	ND	ND	ND	ND
Thallium	.5 MG/KG	ND	ND	ND	ND	ND
Tin	.3 MG/KG	0.5	0.8	0.5	<0.3	0.7
Zinc	.25 MG/KG	15.9	18.5	16.2	7.7	14.6

Source:		I-34	I-35
Date:		2010	2010
Analyte:	MDL Units	Average	Average
=====			
Aluminum	2 MG/KG	1980	6730
Antimony	.3 MG/KG	ND	ND
Arsenic	.33 MG/KG	1.69	2.19
Beryllium	.01 MG/KG	ND	ND
Cadmium	.06 MG/KG	ND	0.112
Chromium	.1 MG/KG	3.7	11.7
Copper	.2 MG/KG	2.68	6.68
Iron	9 MG/KG	2980	8280
Lead	.8 MG/KG	1.72	3.51
Manganese	.08 MG/KG	25.3	85.8
Mercury	.003 MG/KG	0.003	0.017
Nickel	.1 MG/KG	1.02	4.64
Selenium	.24 MG/KG	ND	ND
Silver	.04 MG/KG	ND	ND
Thallium	.5 MG/KG	ND	ND
Tin	.3 MG/KG	<0.3	0.6
Zinc	.25 MG/KG	6.7	24.1

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

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT Chlorinated Pesticide Analysis - International Stations

Annual 2010

	MDL Units	I-1 2010 Avg	I-2 2010 Avg	I-3 2010 Avg	I-4 2010 Avg	I-6 2010 Avg	I-7 2010 Avg	I-8 2010 Avg	I-9 2010 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	E58	ND	ND	ND	ND	E80	ND	ND
p,p-DDT	700 NG/KG	ND	ND	ND	ND	E76	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	58	0	0	0	76	80	0	0
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0	0	0
Chlorinated Hydrocarbons	700 NG/KG	58	0	0	0	76	80	0	0

ND=not detected

NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT Chlorinated Pesticide Analysis - International Stations

Annual 2010

	MDL Units	I-10 2010 Avg	I-12 2010 Avg	I-13 2010 Avg	I-14 2010 Avg	I-15 2010 Avg	I-16 2010 Avg	I-18 2010 Avg	I-20 2010 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	E91	ND	E130	ND	E110	ND	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	91	0	130	0	110	0	0
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0	0	0
===== Chlorinated Hydrocarbons	700 NG/KG	0	91	0	130	0	110	0	0

ND=not detected

NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT Chlorinated Pesticide Analysis - International Stations

Annual 2010

		I-21	I-22	I-23	I-27	I-28	I-29	I-30	I-31
		2010	2010	2010	2010	2010	2010	2010	2010
	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	E110	E47	E85	E170	680	1100	ND	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	110	47	85	170	680	1100	0	0
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0	0	0
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	700 NG/KG	110	47	85	170	680	1100	0	0

ND=not detected

NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these\ compounds.

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT Chlorinated Pesticide Analysis - International Stations

Annual 2010

		I-33	I-34	I-35
		2010	2010	2010
	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	ND	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

NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL - PCB Congeners (I-1 to I-40)

Annual 2010

Analyte	MDL	Units	I-1	I-2	I-3	I-4	I-6	I-7
			2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 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

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL - PCB Congeners (I-1 to I-40)

Annual 2010

Analyte	MDL	Units	I-8	I-9	I-10	I-12	I-13	I-14
			2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 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

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL - PCB Congeners (I-1 to I-40)

Annual 2010

Analyte	MDL	Units	I-15	I-16	I-18	I-20	I-21	I-22
			2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 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

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL - PCB Congeners (I-1 to I-40)

Annual 2010

Analyte	MDL	Units	I-23	I-27	I-28	I-29	I-30	I-31
			2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 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	<700	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	<700	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

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT ANNUAL - PCB Congeners (I-1 to I-40)

Annual 2010

Analyte	MDL	Units	I-33	I-34	I-35
			2010	2010	2010
			Avg	Avg	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

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - Base/Neutrals - International Stations

Annual 2010

		I-1	I-2	I-3	I-4	I-6	I-7	I-8
		2010	2010	2010	2010	2010	2010	2010
		Avg	Avg	Avg	Avg	Avg	Avg	Avg
MDL	Units							
Acenaphthene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Anthracene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Biphenyl	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Chrysene	40 UG/KG	ND	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Fluorene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Naphthalene	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Perylene	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	20 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
		2010	2010	2010	2010	2010	2010	2010
		Avg	Avg	Avg	Avg	Avg	Avg	Avg
MDL	Units							
Acenaphthene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Anthracene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Biphenyl	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Chrysene	40 UG/KG	ND	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Fluorene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Naphthalene	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Perylene	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Base/Neutral Compounds		0	0	0	0	0	0	0

ND=not detected

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - Base/Neutrals - International Stations

Annual 2010

		I-18	I-20	I-21	I-22	I-23	I-27	I-28
		2010	2010	2010	2010	2010	2010	2010
MDL Units		Avg	Avg	Avg	Avg	Avg	Avg	Avg
Acenaphthene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Anthracene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Biphenyl	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Chrysene	40 UG/KG	ND	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Fluorene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Naphthalene	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Perylene	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	30 UG/KG	ND	ND	ND	ND	ND	ND	ND
Pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND	ND
Base/Neutral Compounds		0	0	0	0	0	0	0

		I-29	I-30	I-31	I-33	I-34	I-35
		2010	2010	2010	2010	2010	2010
MDL Units		Avg	Avg	Avg	Avg	Avg	Avg
Acenaphthene	20 UG/KG	ND	ND	ND	ND	ND	ND
Acenaphthylene	30 UG/KG	ND	ND	ND	ND	ND	ND
Anthracene	20 UG/KG	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	20 UG/KG	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	20 UG/KG	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	20 UG/KG	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	20 UG/KG	ND	ND	ND	ND	ND	ND
Biphenyl	30 UG/KG	ND	ND	ND	ND	ND	ND
Chrysene	40 UG/KG	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	20 UG/KG	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND
Fluoranthene	20 UG/KG	ND	ND	ND	ND	ND	ND
Fluorene	20 UG/KG	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	20 UG/KG	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND
Naphthalene	30 UG/KG	ND	ND	ND	ND	ND	ND
Perylene	30 UG/KG	ND	ND	ND	ND	ND	ND
Phenanthrene	30 UG/KG	ND	ND	ND	ND	ND	ND
Pyrene	20 UG/KG	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	20 UG/KG	ND	ND	ND	ND	ND	ND
Base/Neutral Compounds		0	0	0	0	0	0

ND=not detected

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - Random Stations
 Sulfide and Total Volatile Solids Analysis

Annual 2010

	MDL Units	8001 12-JUL-2010	8002 12-JUL-2010	8003 12-JUL-2010	8004 12-JUL-2010	8005 12-JUL-2010	8006 13-JUL-2010
Sulfides-Total	.14 MG/KG	4.08	1.40	14.6	3.16	2.59	2.23
Total Volatile Solids	.11 WT%	1.84	2.00	1.56	3.55	2.73	3.42
	MDL Units	8007 13-JUL-2010	8008 13-JUL-2010	8009 13-JUL-2010	8010 12-JUL-2010	8011 13-JUL-2010	8012 14-JUL-2010
Sulfides-Total	.14 MG/KG	2.60	2.97	6.31	3.69	6.88	3.33
Total Volatile Solids	.11 WT%	3.01	3.42	3.16	0.77	3.40	2.15
	MDL Units	8013 15-JUL-2010	8014 14-JUL-2010	8015 14-JUL-2010	8016 06-JUL-2010	8017 07-JUL-2010	8018 09-JUL-2010
Sulfides-Total	.14 MG/KG	10.4	3.60	24.1	ND	2.52	1.60
Total Volatile Solids	.11 WT%	2.08	2.31	3.97	0.47	0.58	1.98
	MDL Units	8019 14-JUL-2010	8020 14-JUL-2010	8021 07-JUL-2010	8022 08-JUL-2010	8023 08-JUL-2010	8024 08-JUL-2010
Sulfides-Total	.14 MG/KG	3.46	4.15	2.90	7.00	0.69	5.36
Total Volatile Solids	.11 WT%	3.10	1.72	0.77	2.74	1.98	2.72
	MDL Units	8025 06-JUL-2010	8026 09-JUL-2010	8027 06-JUL-2010	8028 08-JUL-2010	8029 08-JUL-2010	8030 08-JUL-2010
Sulfides-Total	.14 MG/KG	0.20	2.21	ND	3.91	0.56	4.00
Total Volatile Solids	.11 WT%	0.69	2.00	0.69	2.90	0.29	4.22
	MDL Units	8032 06-JUL-2010	8033 06-JUL-2010	8034 07-JUL-2010	8037 09-JUL-2010	8038 13-JUL-2010	8039 12-JUL-2010
Sulfides-Total	.14 MG/KG	ND	9.07	0.31	11.6	12.9	2.30
Total Volatile Solids	.11 WT%	0.85	1.25	0.41	7.72	5.36	5.79
	MDL Units	8040 12-JUL-2010	8043 09-JUL-2010	8045 27-JUL-2010	8047 07-JUL-2010	8052 09-JUL-2010	
Sulfides-Total	.14 MG/KG	12.9	10.7	17.5	0.96	2.92	
Total Volatile Solids	.11 WT%	6.13	7.97	5.10	0.45	3.00	

ND= not detected

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8001	8002	8003	8004	8005
		12-JUL-2010 P526401	12-JUL-2010 P526404	12-JUL-2010 P526409	12-JUL-2010 P526417	12-JUL-2010 P526420
<0.500 microns, Phi 11		0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10		0.000	0.103	0.000	0.352	0.000
>1 to 1.5 microns, Phi 9.5		0.368	0.439	0.000	0.592	0.232
>1.5 to 2 microns, Phi 9		0.431	0.525	0.252	0.770	0.409
>2.0 to 2.4 microns		0.383	0.479	0.235	0.734	0.395
>2.4 to 2.9 microns, Phi 8.5		0.498	0.637	0.313	0.995	0.549
>2.9 to 3.4 microns		0.510	0.667	0.330	1.050	0.601
>3.4 to 3.9 microns, Phi 8		0.544	0.730	0.362	1.170	0.686
>3.9 to 4 microns		0.111	0.150	0.075	0.242	0.146
>4.0 to 4.3 microns		0.318	0.431	0.217	0.693	0.418
>4.3 to 4.5 microns		0.204	0.277	0.140	0.447	0.271
>4.5 to 5 microns		0.534	0.738	0.373	1.200	0.741
>5 to 5.5 microns		0.520	0.722	0.368	1.170	0.740
>5.5 to 5.7 microns		0.200	0.278	0.142	0.450	0.286
>5.7 to 5.9 microns, Phi 7.5		0.196	0.273	0.140	0.442	0.283
>5.9 to 7.8 microns, Phi 7		1.780	2.500	1.310	4.050	2.680
>7.8 to 8 microns		0.177	0.246	0.130	0.396	0.269
>8 to 8.5 microns		0.424	0.589	0.312	0.948	0.643
>8.5 to 8.9 microns		0.325	0.450	0.239	0.723	0.493
>8.9 to 9.1 microns		0.163	0.224	0.120	0.358	0.247
>9.1 to 9.5 microns		0.316	0.434	0.232	0.693	0.478
>9.5 to 9.8 microns		0.228	0.314	0.168	0.501	0.345
>9.8 to 10.1 microns		0.222	0.305	0.163	0.486	0.335
>10.1 to 10.6 microns		0.374	0.509	0.274	0.806	0.564
>10.6 to 11.1 microns		0.357	0.486	0.262	0.769	0.538
>11.1 to 11.3 microns		0.139	0.188	0.101	0.298	0.209
>11.3 to 11.7 microns, Phi 6.5		0.270	0.365	0.197	0.575	0.404
>11.7 to 14 microns		1.420	1.880	1.020	2.910	2.070
>14 to 14.8 microns		0.450	0.586	0.317	0.900	0.642
>14.8 to 15.6 microns		0.437	0.562	0.301	0.854	0.610
>15.6 to 16 microns		0.215	0.273	0.145	0.412	0.294
>16 to 20 microns		1.940	2.420	1.280	3.610	2.570
>20 to 23 microns, Phi 5.5		1.290	1.550	0.790	2.250	1.590
>23 to 27 microns		1.630	1.900	0.916	2.690	1.880
>27 to 31 microns, Phi 5		1.610	1.840	0.834	2.570	1.760
>31 to 32 microns		0.415	0.475	0.204	0.654	0.445
>32 to 35.6 microns		1.510	1.740	0.727	2.370	1.610
>35.6 to 37 microns, Phi 4.75		0.624	0.721	0.290	0.970	0.660
>37 to 39.6 microns		1.140	1.330	0.528	1.770	1.210
>39.6 to 43.6 microns		2.040	2.400	0.917	3.090	2.150
>43.6 to 44 microns, Phi 4.5		0.193	0.227	0.087	0.293	0.204
>44 to 45 microns		0.486	0.572	0.219	0.733	0.513
>45 to 46.4 microns		0.872	1.040	0.393	1.250	0.919
>46.4 to 53 microns, Phi 4.25		4.070	4.830	1.860	5.670	4.280
>53 to 62.5 microns, Phi 4		6.960	8.180	3.430	8.520	7.220
>62.5 to 64 microns		1.180	1.360	0.615	1.320	1.210
>64 to 71.7 microns		6.290	7.110	3.630	6.380	6.380

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8001	8002	8003	8004	8005
		12-JUL-2010 P526401	12-JUL-2010 P526404	12-JUL-2010 P526409	12-JUL-2010 P526417	12-JUL-2010 P526420
>71.7 to 74 microns		1.910	2.120	1.180	1.790	1.920
>74 to 79.6 microns		4.640	4.980	3.140	3.990	4.590
>79.6 to 87.6 microns		6.530	6.720	4.950	4.960	6.350
>87.6 to 88 microns, Phi 3.5		0.311	0.320	0.236	0.236	0.302
>88 to 90 microns		1.560	1.500	1.410	1.020	1.480
>90 to 105 microns, Phi 3.25		10.600	9.720	10.800	6.250	9.870
>105 to 125 microns, Phi 3		10.500	8.550	14.000	4.980	9.380
>125 to 149 microns, Phi 2.75		8.090	5.760	13.700	3.170	6.800
>149 to 160 microns		2.340	1.500	4.670	0.810	1.860
>160 to 177 microns, Phi 2.5		2.780	1.690	5.910	0.912	2.130
>177 to 197 microns		2.010	1.120	4.690	0.619	1.450
>197 to 210 microns, Phi 2.25		0.853	0.450	2.080	0.257	0.587
>210 to 217 microns		0.383	0.196	0.950	0.114	0.257
>217 to 245 microns		1.110	0.554	2.770	0.330	0.725
>245 to 250 microns, Phi 2		0.144	0.069	0.361	0.043	0.090
>250 to 300 microns, Phi 1.75		0.923	0.433	2.290	0.282	0.561
>300 to 320 microns		0.178	0.081	0.408	0.058	0.102
>320 to 350 microns, Phi 1.5		0.228	0.104	0.515	0.065	0.130
>350 to 360 microns		0.051	0.024	0.105	0.000	0.029
>360 to 400 microns		0.182	0.076	0.375	0.000	0.104
>400 to 420 microns, Phi 1.25		0.064	0.000	0.118	0.000	0.037
>420 to 440 microns		0.061	0.000	0.113	0.000	0.035
>440 to 500 microns, Phi 1		0.138	0.000	0.238	0.000	0.019
>500 to 590 microns, Phi 0.75		0.035	0.000	0.058	0.000	0.000
>590 to 630 microns		0.000	0.000	0.000	0.000	0.000
>630 to 696 microns		0.000	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	ND	ND	ND
Totals:		99.985	100.022	100.025	100.012	99.987

*=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
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8006	8007	8008	8009	8010
		13-JUL-2010 P526526	13-JUL-2010 P526531	13-JUL-2010 P526534	13-JUL-2010 P526541	12-JUL-2010 P526424
<0.500 microns, Phi 11		0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10		0.213	0.000	0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5		0.499	0.422	0.381	0.396	0.000
>1.5 to 2 microns, Phi 9		0.629	0.531	0.475	0.480	0.000
>2.0 to 2.4 microns		0.591	0.499	0.448	0.440	0.000
>2.4 to 2.9 microns, Phi 8.5		0.798	0.677	0.607	0.588	0.000
>2.9 to 3.4 microns		0.850	0.724	0.644	0.620	0.000
>3.4 to 3.9 microns, Phi 8		0.944	0.806	0.716	0.682	0.000
>3.9 to 4 microns		0.199	0.170	0.146	0.142	0.000
>4.0 to 4.3 microns		0.572	0.489	0.419	0.408	0.000
>4.3 to 4.5 microns		0.370	0.316	0.269	0.263	0.000
>4.5 to 5 microns		1.000	0.854	0.715	0.705	0.000
>5 to 5.5 microns		1.000	0.854	0.691	0.698	0.000
>5.5 to 5.7 microns		0.389	0.330	0.264	0.269	0.000
>5.7 to 5.9 microns, Phi 7.5		0.383	0.326	0.259	0.265	0.000
>5.9 to 7.8 microns, Phi 7		3.680	3.100	2.320	2.490	0.000
>7.8 to 8 microns		0.381	0.318	0.219	0.253	0.000
>8 to 8.5 microns		0.913	0.761	0.525	0.605	0.000
>8.5 to 8.9 microns		0.704	0.586	0.399	0.465	0.000
>8.9 to 9.1 microns		0.361	0.298	0.193	0.236	0.000
>9.1 to 9.5 microns		0.699	0.577	0.374	0.457	0.000
>9.5 to 9.8 microns		0.505	0.417	0.271	0.330	0.000
>9.8 to 10.1 microns		0.490	0.405	0.262	0.320	0.000
>10.1 to 10.6 microns		0.853	0.697	0.425	0.548	0.000
>10.6 to 11.1 microns		0.813	0.665	0.406	0.523	0.000
>11.1 to 11.3 microns		0.315	0.258	0.157	0.203	0.000
>11.3 to 11.7 microns, Phi 6.5		0.619	0.504	0.301	0.397	0.000
>11.7 to 14 microns		3.290	2.660	1.480	2.100	0.000
>14 to 14.8 microns		1.050	0.843	0.447	0.667	0.000
>14.8 to 15.6 microns		1.020	0.814	0.415	0.647	0.000
>15.6 to 16 microns		0.502	0.398	0.196	0.318	0.000
>16 to 20 microns		4.530	3.570	1.670	2.870	0.111
>20 to 23 microns, Phi 5.5		2.990	2.320	0.974	1.900	0.118
>23 to 27 microns		3.660	2.830	1.080	2.370	0.147
>27 to 31 microns, Phi 5		3.470	2.700	0.943	2.310	0.140
>31 to 32 microns		0.865	0.677	0.224	0.590	0.035
>32 to 35.6 microns		3.060	2.420	0.781	2.140	0.124
>35.6 to 37 microns, Phi 4.75		1.210	0.967	0.301	0.872	0.050
>37 to 39.6 microns		2.180	1.760	0.544	1.590	0.090
>39.6 to 43.6 microns		3.530	2.950	0.890	2.770	0.155
>43.6 to 44 microns, Phi 4.5		0.335	0.280	0.084	0.263	0.015
>44 to 45 microns		0.831	0.699	0.211	0.658	0.037
>45 to 46.4 microns		1.300	1.150	0.349	1.130	0.065
>46.4 to 53 microns, Phi 4.25		5.750	5.230	1.600	5.200	0.311
>53 to 62.5 microns, Phi 4		7.810	7.800	2.610	8.200	0.600
>62.5 to 64 microns		1.150	1.220	0.438	1.320	0.111
>64 to 71.7 microns		5.410	6.020	2.400	6.650	0.720

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8006	8007	8008	8009	8010
		13-JUL-2010 P526526	13-JUL-2010 P526531	13-JUL-2010 P526534	13-JUL-2010 P526541	12-JUL-2010 P526424
>71.7 to 74 microns		1.480	1.720	0.744	1.940	0.246
>74 to 79.6 microns		3.280	3.950	1.900	4.490	0.738
>79.6 to 87.6 microns		4.030	5.120	2.850	5.930	1.310
>87.6 to 88 microns, Phi 3.5		0.192	0.244	0.136	0.282	0.062
>88 to 90 microns		0.841	1.130	0.783	1.320	0.483
>90 to 105 microns, Phi 3.25		5.230	7.250	5.980	8.510	4.470
>105 to 125 microns, Phi 3		4.460	6.550	8.510	7.660	9.630
>125 to 149 microns, Phi 2.75		3.130	4.720	10.400	5.450	15.600
>149 to 160 microns		0.889	1.330	4.630	1.510	7.740
>160 to 177 microns, Phi 2.5		1.060	1.560	6.690	1.760	11.400
>177 to 197 microns		0.790	1.120	6.930	1.250	11.500
>197 to 210 microns, Phi 2.25		0.350	0.479	3.690	0.525	5.770
>210 to 217 microns		0.160	0.215	1.820	0.235	2.790
>217 to 245 microns		0.481	0.629	5.740	0.679	8.590
>245 to 250 microns, Phi 2		0.065	0.082	0.822	0.088	1.200
>250 to 300 microns, Phi 1.75		0.441	0.537	5.360	0.566	7.940
>300 to 320 microns		0.094	0.107	0.898	0.110	1.520
>320 to 350 microns, Phi 1.5		0.121	0.138	1.100	0.141	1.930
>350 to 360 microns		0.028	0.031	0.190	0.032	0.404
>360 to 400 microns		0.102	0.113	0.663	0.115	1.440
>400 to 420 microns, Phi 1.25		0.037	0.041	0.167	0.041	0.454
>420 to 440 microns		0.035	0.039	0.159	0.039	0.433
>440 to 500 microns, Phi 1		0.020	0.022	0.285	0.022	0.894
>500 to 590 microns, Phi 0.75		0.000	0.000	0.065	0.000	0.685
>590 to 630 microns		0.000	0.000	0.000	0.000	0.014
>630 to 696 microns		0.000	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	ND	ND	ND
Totals:		100.029	100.019	100.035	100.043	100.072

*=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
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8011	8012	8014	8015	8016
		13-JUL-2010 P526545	14-JUL-2010 P526697	14-JUL-2010 P526700	14-JUL-2010 P526704	06-JUL-2010 P525216
<0.500 microns, Phi 11		0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10		0.286	0.000	0.000	0.218	0.000
>1 to 1.5 microns, Phi 9.5		0.521	0.390	0.417	0.559	0.000
>1.5 to 2 microns, Phi 9		0.627	0.485	0.524	0.754	0.000
>2.0 to 2.4 microns		0.570	0.451	0.488	0.728	0.000
>2.4 to 2.9 microns, Phi 8.5		0.754	0.605	0.655	0.987	0.000
>2.9 to 3.4 microns		0.787	0.639	0.691	1.040	0.000
>3.4 to 3.9 microns, Phi 8		0.858	0.704	0.762	1.160	0.000
>3.9 to 4 microns		0.179	0.146	0.158	0.238	0.000
>4.0 to 4.3 microns		0.513	0.418	0.453	0.684	0.000
>4.3 to 4.5 microns		0.331	0.269	0.292	0.440	0.000
>4.5 to 5 microns		0.884	0.719	0.780	1.180	0.000
>5 to 5.5 microns		0.882	0.706	0.770	1.160	0.000
>5.5 to 5.7 microns		0.341	0.272	0.296	0.444	0.000
>5.7 to 5.9 microns, Phi 7.5		0.336	0.267	0.292	0.437	0.000
>5.9 to 7.8 microns, Phi 7		3.190	2.470	2.710	4.020	0.000
>7.8 to 8 microns		0.331	0.245	0.271	0.398	0.000
>8 to 8.5 microns		0.794	0.586	0.649	0.953	0.000
>8.5 to 8.9 microns		0.613	0.449	0.498	0.730	0.000
>8.9 to 9.1 microns		0.316	0.225	0.250	0.365	0.000
>9.1 to 9.5 microns		0.612	0.435	0.485	0.706	0.000
>9.5 to 9.8 microns		0.442	0.314	0.350	0.511	0.000
>9.8 to 10.1 microns		0.429	0.305	0.340	0.495	0.000
>10.1 to 10.6 microns		0.752	0.513	0.576	0.834	0.000
>10.6 to 11.1 microns		0.717	0.490	0.549	0.795	0.000
>11.1 to 11.3 microns		0.278	0.190	0.213	0.308	0.000
>11.3 to 11.7 microns, Phi 6.5		0.549	0.369	0.415	0.598	0.000
>11.7 to 14 microns		2.980	1.910	2.160	3.080	0.000
>14 to 14.8 microns		0.966	0.598	0.678	0.966	0.000
>14.8 to 15.6 microns		0.952	0.574	0.651	0.925	0.000
>15.6 to 16 microns		0.474	0.279	0.317	0.449	0.000
>16 to 20 microns		4.370	2.480	2.830	3.990	0.000
>20 to 23 microns, Phi 5.5		3.030	1.590	1.820	2.560	0.000
>23 to 27 microns		3.900	1.930	2.210	3.110	0.000
>27 to 31 microns, Phi 5		3.860	1.840	2.100	2.960	0.000
>31 to 32 microns		0.987	0.465	0.527	0.745	0.000
>32 to 35.6 microns		3.530	1.670	1.890	2.670	0.031
>35.6 to 37 microns, Phi 4.75		1.410	0.676	0.756	1.070	0.031
>37 to 39.6 microns		2.550	1.230	1.370	1.940	0.057
>39.6 to 43.6 microns		4.190	2.140	2.330	3.260	0.097
>43.6 to 44 microns, Phi 4.5		0.398	0.203	0.221	0.310	0.009
>44 to 45 microns		0.988	0.509	0.553	0.772	0.023
>45 to 46.4 microns		1.540	0.887	0.932	1.260	0.041
>46.4 to 53 microns, Phi 4.25		6.810	4.110	4.270	5.660	0.196
>53 to 62.5 microns, Phi 4		9.000	6.870	6.710	8.120	0.385
>62.5 to 64 microns		1.290	1.150	1.090	1.230	0.073
>64 to 71.7 microns		5.900	6.160	5.640	5.890	0.479

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8011	8012	8014	8015	8016
		13-JUL-2010 P526545	14-JUL-2010 P526697	14-JUL-2010 P526700	14-JUL-2010 P526704	06-JUL-2010 P525216
>71.7 to 74 microns		1.570	1.870	1.680	1.630	0.166
>74 to 79.6 microns		3.390	4.540	4.010	3.640	0.510
>79.6 to 87.6 microns		3.990	6.410	5.550	4.520	0.924
>87.6 to 88 microns, Phi 3.5		0.190	0.305	0.264	0.215	0.044
>88 to 90 microns		0.793	1.530	1.320	0.940	0.354
>90 to 105 microns, Phi 3.25		4.750	10.400	8.960	5.810	3.360
>105 to 125 microns, Phi 3		3.750	10.000	9.000	4.780	7.670
>125 to 149 microns, Phi 2.75		2.450	7.160	6.950	3.140	13.100
>149 to 160 microns		0.657	1.900	2.000	0.827	6.840
>160 to 177 microns, Phi 2.5		0.762	2.150	2.360	0.943	10.300
>177 to 197 microns		0.547	1.410	1.680	0.650	11.000
>197 to 210 microns, Phi 2.25		0.237	0.561	0.700	0.271	5.850
>210 to 217 microns		0.108	0.243	0.311	0.121	2.890
>217 to 245 microns		0.320	0.679	0.890	0.350	9.290
>245 to 250 microns, Phi 2		0.043	0.084	0.113	0.045	1.360
>250 to 300 microns, Phi 1.75		0.291	0.517	0.711	0.297	9.700
>300 to 320 microns		0.064	0.094	0.131	0.061	2.200
>320 to 350 microns, Phi 1.5		0.071	0.120	0.166	0.067	2.870
>350 to 360 microns		0.000	0.027	0.036	0.000	0.692
>360 to 400 microns		0.000	0.086	0.130	0.000	2.510
>400 to 420 microns, Phi 1.25		0.000	0.000	0.045	0.000	0.946
>420 to 440 microns		0.000	0.000	0.043	0.000	0.902
>440 to 500 microns, Phi 1		0.000	0.000	0.024	0.000	2.200
>500 to 590 microns, Phi 0.75		0.000	0.000	0.000	0.000	1.790
>590 to 630 microns		0.000	0.000	0.000	0.000	0.355
>630 to 696 microns		0.000	0.000	0.000	0.000	0.455
>696 to 710 microns, Phi 0.5		0.000	0.000	0.000	0.000	0.057
>710 to 773 microns		0.000	0.000	0.000	0.000	0.243
>773 to 840 microns, Phi 0.25		0.000	0.000	0.000	0.000	0.015
>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	ND	ND	ND
Totals:		100.000	100.019	100.013	100.016	100.015

*=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
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8017	8018	8019	8020	8021
		07-JUL-2010 P525303	09-JUL-2010 P526273	14-JUL-2010 P526710	14-JUL-2010 P526717	07-JUL-2010 P525305
<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	0.109	0.000	0.000
>1 to 1.5 microns, Phi 9.5		0.000	0.108	0.476	0.255	0.000
>1.5 to 2 microns, Phi 9		0.000	0.342	0.581	0.421	0.000
>2.0 to 2.4 microns		0.000	0.320	0.534	0.382	0.044
>2.4 to 2.9 microns, Phi 8.5		0.000	0.439	0.711	0.508	0.166
>2.9 to 3.4 microns		0.000	0.473	0.747	0.533	0.178
>3.4 to 3.9 microns, Phi 8		0.000	0.528	0.819	0.583	0.197
>3.9 to 4 microns		0.000	0.111	0.171	0.121	0.042
>4.0 to 4.3 microns		0.000	0.318	0.491	0.348	0.121
>4.3 to 4.5 microns		0.000	0.205	0.316	0.224	0.078
>4.5 to 5 microns		0.000	0.554	0.847	0.600	0.211
>5 to 5.5 microns		0.000	0.544	0.844	0.592	0.209
>5.5 to 5.7 microns		0.000	0.209	0.326	0.228	0.081
>5.7 to 5.9 microns, Phi 7.5		0.000	0.206	0.321	0.225	0.080
>5.9 to 7.8 microns, Phi 7		0.010	1.900	3.050	2.100	0.755
>7.8 to 8 microns		0.020	0.184	0.315	0.211	0.074
>8 to 8.5 microns		0.047	0.440	0.754	0.505	0.178
>8.5 to 8.9 microns		0.036	0.335	0.582	0.388	0.136
>8.9 to 9.1 microns		0.018	0.163	0.299	0.196	0.067
>9.1 to 9.5 microns		0.035	0.316	0.579	0.379	0.130
>9.5 to 9.8 microns		0.026	0.229	0.419	0.274	0.094
>9.8 to 10.1 microns		0.025	0.222	0.406	0.266	0.091
>10.1 to 10.6 microns		0.042	0.361	0.709	0.452	0.151
>10.6 to 11.1 microns		0.040	0.345	0.676	0.431	0.144
>11.1 to 11.3 microns		0.015	0.134	0.262	0.167	0.056
>11.3 to 11.7 microns, Phi 6.5		0.030	0.255	0.517	0.327	0.108
>11.7 to 14 microns		0.160	1.240	2.790	1.710	0.532
>14 to 14.8 microns		0.050	0.372	0.900	0.542	0.161
>14.8 to 15.6 microns		0.048	0.339	0.884	0.524	0.148
>15.6 to 16 microns		0.024	0.157	0.438	0.257	0.069
>16 to 20 microns		0.209	1.310	4.020	2.310	0.582
>20 to 23 microns, Phi 5.5		0.134	0.709	2.760	1.520	0.322
>23 to 27 microns		0.158	0.721	3.530	1.880	0.335
>27 to 31 microns, Phi 5		0.146	0.571	3.470	1.840	0.276
>31 to 32 microns		0.036	0.126	0.883	0.470	0.064
>32 to 35.6 microns		0.127	0.423	3.150	1.700	0.222
>35.6 to 37 microns, Phi 4.75		0.050	0.153	1.260	0.696	0.086
>37 to 39.6 microns		0.092	0.273	2.280	1.270	0.156
>39.6 to 43.6 microns		0.159	0.414	3.750	2.220	0.272
>43.6 to 44 microns, Phi 4.5		0.015	0.039	0.356	0.211	0.026
>44 to 45 microns		0.038	0.098	0.885	0.527	0.065
>45 to 46.4 microns		0.069	0.151	1.400	0.915	0.122
>46.4 to 53 microns, Phi 4.25		0.328	0.684	6.220	4.220	0.597
>53 to 62.5 microns, Phi 4		0.657	1.060	8.510	6.890	1.290
>62.5 to 64 microns		0.125	0.173	1.260	1.140	0.254
>64 to 71.7 microns		0.822	0.947	5.880	6.020	1.740

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8017	8018	8019	8020	8021
		07-JUL-2010 P525303	09-JUL-2010 P526273	14-JUL-2010 P526710	14-JUL-2010 P526717	07-JUL-2010 P525305
>71.7 to 74 microns		0.284	0.292	1.600	1.810	0.615
>74 to 79.6 microns		0.862	0.751	3.540	4.390	1.890
>79.6 to 87.6 microns		1.540	1.140	4.320	6.190	3.420
>87.6 to 88 microns, Phi 3.5		0.073	0.054	0.206	0.294	0.163
>88 to 90 microns		0.567	0.323	0.898	1.500	1.220
>90 to 105 microns, Phi 3.25		5.190	2.530	5.570	10.300	10.600
>105 to 125 microns, Phi 3		10.600	3.890	4.780	10.400	17.700
>125 to 149 microns, Phi 2.75		16.000	5.180	3.420	7.970	19.600
>149 to 160 microns		7.410	2.540	0.984	2.220	6.740
>160 to 177 microns, Phi 2.5		10.600	3.860	1.180	2.560	8.430
>177 to 197 microns		10.100	4.540	0.885	1.730	6.330
>197 to 210 microns, Phi 2.25		4.940	2.860	0.392	0.693	2.660
>210 to 217 microns		2.360	1.490	0.180	0.301	1.190
>217 to 245 microns		7.270	5.550	0.537	0.841	3.380
>245 to 250 microns, Phi 2		1.010	0.928	0.072	0.103	0.426
>250 to 300 microns, Phi 1.75		6.920	8.110	0.485	0.631	2.640
>300 to 320 microns		1.500	2.600	0.102	0.111	0.470
>320 to 350 microns, Phi 1.5		1.950	3.530	0.132	0.142	0.595
>350 to 360 microns		0.472	1.010	0.031	0.031	0.126
>360 to 400 microns		1.720	3.740	0.111	0.111	0.451
>400 to 420 microns, Phi 1.25		0.670	1.590	0.040	0.039	0.150
>420 to 440 microns		0.639	1.510	0.039	0.037	0.143
>440 to 500 microns, Phi 1		1.640	3.900	0.021	0.021	0.316
>500 to 590 microns, Phi 0.75		1.350	4.690	0.000	0.000	0.079
>590 to 630 microns		0.267	1.690	0.000	0.000	0.000
>630 to 696 microns		0.288	2.490	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5		0.000	0.458	0.000	0.000	0.000
>710 to 773 microns		0.000	1.950	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25		0.000	1.670	0.000	0.000	0.000
>840 to 850 microns		0.000	0.236	0.000	0.000	0.000
>850 to 930 microns		0.000	1.610	0.000	0.000	0.000
>930 to 1000 microns, Phi 0		0.000	1.140	0.000	0.000	0.000
1000 to 1100 microns		0.000	1.100	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25		0.000	0.736	0.000	0.000	0.000
>1190 to 1300 microns		0.000	0.512	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5		0.000	0.334	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75		0.000	0.267	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	ND	ND
Totals:		100.013	100.002	100.012	100.003	100.044

*=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
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8022	8025	8026	8027	8028
		08-JUL-2010 P526210	06-JUL-2010 P525221	09-JUL-2010 P526278	06-JUL-2010 P525225	08-JUL-2010 P526175
<0.500 microns, Phi 11		0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10		0.215	0.000	0.000	0.000	0.102
>1 to 1.5 microns, Phi 9.5		0.474	0.000	0.106	0.000	0.448
>1.5 to 2 microns, Phi 9		0.568	0.008	0.365	0.000	0.549
>2.0 to 2.4 microns		0.517	0.152	0.370	0.000	0.505
>2.4 to 2.9 microns, Phi 8.5		0.685	0.195	0.528	0.085	0.674
>2.9 to 3.4 microns		0.714	0.200	0.586	0.140	0.708
>3.4 to 3.9 microns, Phi 8		0.776	0.212	0.679	0.146	0.778
>3.9 to 4 microns		0.160	0.045	0.143	0.031	0.162
>4.0 to 4.3 microns		0.460	0.131	0.412	0.089	0.466
>4.3 to 4.5 microns		0.296	0.084	0.267	0.057	0.300
>4.5 to 5 microns		0.785	0.226	0.731	0.153	0.805
>5 to 5.5 microns		0.773	0.228	0.723	0.152	0.801
>5.5 to 5.7 microns		0.298	0.088	0.279	0.059	0.310
>5.7 to 5.9 microns, Phi 7.5		0.292	0.087	0.275	0.058	0.305
>5.9 to 7.8 microns, Phi 7		2.720	0.850	2.580	0.554	2.880
>7.8 to 8 microns		0.275	0.088	0.251	0.056	0.295
>8 to 8.5 microns		0.657	0.211	0.601	0.134	0.707
>8.5 to 8.9 microns		0.505	0.162	0.458	0.103	0.544
>8.9 to 9.1 microns		0.257	0.083	0.225	0.052	0.277
>9.1 to 9.5 microns		0.497	0.160	0.435	0.101	0.537
>9.5 to 9.8 microns		0.359	0.116	0.315	0.073	0.388
>9.8 to 10.1 microns		0.349	0.112	0.305	0.071	0.376
>10.1 to 10.6 microns		0.598	0.194	0.503	0.120	0.649
>10.6 to 11.1 microns		0.570	0.185	0.480	0.114	0.619
>11.1 to 11.3 microns		0.221	0.072	0.186	0.044	0.240
>11.3 to 11.7 microns, Phi 6.5		0.434	0.140	0.356	0.087	0.470
>11.7 to 14 microns		2.310	0.734	1.750	0.451	2.490
>14 to 14.8 microns		0.739	0.231	0.527	0.141	0.791
>14.8 to 15.6 microns		0.723	0.219	0.482	0.135	0.764
>15.6 to 16 microns		0.357	0.106	0.225	0.065	0.374
>16 to 20 microns		3.260	0.926	1.880	0.574	3.360
>20 to 23 microns, Phi 5.5		2.220	0.565	1.040	0.359	2.190
>23 to 27 microns		2.840	0.643	1.080	0.426	2.650
>27 to 31 microns, Phi 5		2.810	0.580	0.866	0.412	2.480
>31 to 32 microns		0.722	0.143	0.193	0.108	0.611
>32 to 35.6 microns		2.600	0.523	0.652	0.409	2.160
>35.6 to 37 microns, Phi 4.75		1.050	0.216	0.238	0.178	0.845
>37 to 39.6 microns		1.900	0.402	0.425	0.339	1.530
>39.6 to 43.6 microns		3.180	0.772	0.649	0.702	2.500
>43.6 to 44 microns, Phi 4.5		0.302	0.073	0.062	0.067	0.237
>44 to 45 microns		0.752	0.187	0.153	0.171	0.590
>45 to 46.4 microns		1.220	0.388	0.237	0.385	0.948
>46.4 to 53 microns, Phi 4.25		5.460	1.940	1.080	1.970	4.280
>53 to 62.5 microns, Phi 4		7.780	4.400	1.670	4.810	6.330
>62.5 to 64 microns		1.180	0.863	0.274	0.969	0.991
>64 to 71.7 microns		5.710	5.470	1.520	6.250	5.000

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8022	8025	8026	8027	8028
		08-JUL-2010 P526210	06-JUL-2010 P525221	09-JUL-2010 P526278	06-JUL-2010 P525225	08-JUL-2010 P526175
>71.7 to 74 microns		1.600	1.850	0.472	2.140	1.450
>74 to 79.6 microns		3.650	5.010	1.240	5.760	3.430
>79.6 to 87.6 microns		4.700	8.040	1.910	9.220	4.640
>87.6 to 88 microns, Phi 3.5		0.223	0.383	0.091	0.438	0.221
>88 to 90 microns		1.050	2.170	0.566	2.420	1.100
>90 to 105 microns, Phi 3.25		6.830	15.700	4.570	17.100	7.470
>105 to 125 microns, Phi 3		6.600	16.500	7.520	16.900	7.830
>125 to 149 microns, Phi 2.75		5.240	12.200	10.500	11.700	6.590
>149 to 160 microns		1.610	3.310	5.110	3.010	2.100
>160 to 177 microns, Phi 2.5		1.970	3.780	7.620	3.360	2.600
>177 to 197 microns		1.510	2.550	8.260	2.200	2.020
>197 to 210 microns, Phi 2.25		0.663	1.040	4.470	0.888	0.892
>210 to 217 microns		0.302	0.459	2.220	0.388	0.408
>217 to 245 microns		0.887	1.310	6.990	1.100	1.200
>245 to 250 microns, Phi 2		0.117	0.166	1.000	0.139	0.157
>250 to 300 microns, Phi 1.75		0.755	1.060	6.420	0.894	0.999
>300 to 320 microns		0.144	0.205	1.030	0.177	0.184
>320 to 350 microns, Phi 1.5		0.184	0.264	1.260	0.229	0.233
>350 to 360 microns		0.040	0.060	0.209	0.053	0.049
>360 to 400 microns		0.145	0.215	0.727	0.193	0.176
>400 to 420 microns, Phi 1.25		0.050	0.076	0.177	0.071	0.058
>420 to 440 microns		0.047	0.073	0.169	0.068	0.055
>440 to 500 microns, Phi 1		0.108	0.168	0.298	0.161	0.123
>500 to 590 microns, Phi 0.75		0.027	0.042	0.068	0.041	0.030
>590 to 630 microns		0.000	0.000	0.000	0.000	0.000
>630 to 696 microns		0.000	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	ND	ND	ND
Totals:		100.022	100.041	100.059	100.050	100.031

*=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
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8029	8030	8032	8034	8037
		08-JUL-2010 P526179	08-JUL-2010 P526185	06-JUL-2010 P525231	07-JUL-2010 P525307	09-JUL-2010 P526282
<0.500 microns, Phi 11		0.000	0.211	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10		0.000	0.766	0.000	0.000	0.223
>1 to 1.5 microns, Phi 9.5		0.000	0.775	0.000	0.000	0.622
>1.5 to 2 microns, Phi 9		0.000	0.967	0.113	0.000	0.905
>2.0 to 2.4 microns		0.000	0.893	0.173	0.000	0.912
>2.4 to 2.9 microns, Phi 8.5		0.000	1.190	0.220	0.000	1.280
>2.9 to 3.4 microns		0.000	1.240	0.224	0.000	1.390
>3.4 to 3.9 microns, Phi 8		0.000	1.360	0.235	0.000	1.600
>3.9 to 4 microns		0.000	0.283	0.049	0.000	0.341
>4.0 to 4.3 microns		0.000	0.813	0.140	0.000	0.981
>4.3 to 4.5 microns		0.000	0.524	0.090	0.000	0.635
>4.5 to 5 microns		0.000	1.400	0.238	0.000	1.750
>5 to 5.5 microns		0.000	1.390	0.234	0.000	1.770
>5.5 to 5.7 microns		0.000	0.536	0.090	0.000	0.688
>5.7 to 5.9 microns, Phi 7.5		0.000	0.527	0.089	0.000	0.680
>5.9 to 7.8 microns, Phi 7		0.000	4.910	0.827	0.000	6.600
>7.8 to 8 microns		0.000	0.488	0.083	0.000	0.685
>8 to 8.5 microns		0.000	1.170	0.200	0.000	1.640
>8.5 to 8.9 microns		0.000	0.893	0.153	0.000	1.260
>8.9 to 9.1 microns		0.000	0.444	0.078	0.000	0.643
>9.1 to 9.5 microns		0.000	0.859	0.150	0.000	1.240
>9.5 to 9.8 microns		0.000	0.621	0.109	0.000	0.899
>9.8 to 10.1 microns		0.000	0.603	0.106	0.000	0.873
>10.1 to 10.6 microns		0.000	1.010	0.179	0.000	1.510
>10.6 to 11.1 microns		0.000	0.964	0.171	0.000	1.440
>11.1 to 11.3 microns		0.000	0.374	0.066	0.000	0.559
>11.3 to 11.7 microns, Phi 6.5		0.000	0.719	0.130	0.000	1.090
>11.7 to 14 microns		0.000	3.600	0.694	0.000	5.610
>14 to 14.8 microns		0.000	1.100	0.221	0.000	1.760
>14.8 to 15.6 microns		0.000	1.030	0.216	0.000	1.670
>15.6 to 16 microns		0.000	0.484	0.107	0.000	0.800
>16 to 20 microns		0.000	4.130	0.975	0.000	6.990
>20 to 23 microns, Phi 5.5		0.000	2.390	0.665	0.000	4.240
>23 to 27 microns		0.000	2.570	0.872	0.000	4.760
>27 to 31 microns, Phi 5		0.000	2.140	0.925	0.000	4.100
>31 to 32 microns		0.000	0.486	0.255	0.000	0.950
>32 to 35.6 microns		0.000	1.640	0.983	0.000	3.210
>35.6 to 37 microns, Phi 4.75		0.000	0.603	0.435	0.000	1.180
>37 to 39.6 microns		0.000	1.070	0.817	0.000	2.080
>39.6 to 43.6 microns		0.000	1.620	1.620	0.000	3.030
>43.6 to 44 microns, Phi 4.5		0.000	0.154	0.153	0.000	0.288
>44 to 45 microns		0.000	0.381	0.388	0.000	0.708
>45 to 46.4 microns		0.000	0.571	0.766	0.000	0.974
>46.4 to 53 microns, Phi 4.25		0.000	2.550	3.640	0.000	4.200
>53 to 62.5 microns, Phi 4		0.000	3.610	6.620	0.000	4.940
>62.5 to 64 microns		0.000	0.561	1.140	0.000	0.672
>64 to 71.7 microns		0.000	2.870	6.080	0.000	2.990

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8029	8030	8032	8034	8037
		08-JUL-2010 P526179	08-JUL-2010 P526185	06-JUL-2010 P525231	07-JUL-2010 P525307	09-JUL-2010 P526282
>71.7 to 74 microns		0.000	0.844	1.850	0.000	0.776
>74 to 79.6 microns		0.000	2.050	4.470	0.000	1.670
>79.6 to 87.6 microns		0.000	2.890	6.270	0.000	1.950
>87.6 to 88 microns, Phi 3.5		0.000	0.137	0.298	0.000	0.093
>88 to 90 microns		0.000	0.736	1.500	0.000	0.392
>90 to 105 microns, Phi 3.25		0.000	5.330	10.300	0.033	2.380
>105 to 125 microns, Phi 3		0.062	6.580	10.900	0.201	1.970
>125 to 149 microns, Phi 2.75		0.177	6.640	9.480	0.344	1.370
>149 to 160 microns		0.100	2.440	3.210	0.231	0.391
>160 to 177 microns, Phi 2.5		0.168	3.220	4.140	0.412	0.468
>177 to 197 microns		0.252	2.770	3.590	0.684	0.356
>197 to 210 microns, Phi 2.25		0.220	1.300	1.770	0.645	0.161
>210 to 217 microns		0.124	0.608	0.850	0.369	0.075
>217 to 245 microns		0.617	1.820	2.710	1.920	0.227
>245 to 250 microns, Phi 2		0.124	0.245	0.393	0.395	0.032
>250 to 300 microns, Phi 1.75		1.610	1.580	2.850	5.270	0.221
>300 to 320 microns		0.963	0.287	0.668	3.060	0.051
>320 to 350 microns, Phi 1.5		1.470	0.362	0.869	4.540	0.057
>350 to 360 microns		0.624	0.073	0.206	1.770	0.000
>360 to 400 microns		2.480	0.260	0.741	6.780	0.000
>400 to 420 microns, Phi 1.25		1.580	0.081	0.258	3.610	0.000
>420 to 440 microns		1.500	0.077	0.246	3.450	0.000
>440 to 500 microns, Phi 1		5.640	0.159	0.535	10.100	0.000
>500 to 590 microns, Phi 0.75		10.600	0.039	0.132	13.500	0.000
>590 to 630 microns		6.040	0.000	0.000	5.140	0.000
>630 to 696 microns		9.910	0.000	0.000	7.610	0.000
>696 to 710 microns, Phi 0.5		2.320	0.000	0.000	1.420	0.000
>710 to 773 microns		9.910	0.000	0.000	6.060	0.000
>773 to 840 microns, Phi 0.25		10.400	0.000	0.000	5.280	0.000
>840 to 850 microns		1.480	0.000	0.000	0.745	0.000
>850 to 930 microns		10.300	0.000	0.000	5.080	0.000
>930 to 1000 microns, Phi 0		7.520	0.000	0.000	3.610	0.000
1000 to 1100 microns		6.440	0.000	0.000	3.280	0.000
>1100 to 1190 microns, Phi -0.25		3.910	0.000	0.000	2.100	0.000
>1190 to 1300 microns		2.000	0.000	0.000	1.270	0.000
>1300 to 1410 microns, Phi -0.5		0.988	0.000	0.000	0.685	0.000
>1410 to 1680 microns, Phi -0.75		0.543	0.000	0.000	0.433	0.000
>1680 to 2000 microns, Phi -1		0.000	0.000	0.000	0.000	0.000
>2000 microns*		ND	ND	ND	ND	ND
Totals:		100.072	100.018	99.955	100.027	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
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8038	8039	8040	8043	8045
		13-JUL-2010 P526551	12-JUL-2010 P526432	12-JUL-2010 P526435	09-JUL-2010 P526288	27-JUL-2010 P528118
<0.500 microns, Phi 11		0.000	0.000	0.000	0.199	0.000
>0.5 to 1 microns, Phi 10		0.240	0.112	0.366	0.780	0.492
>1 to 1.5 microns, Phi 9.5		0.641	0.548	0.680	0.880	0.676
>1.5 to 2 microns, Phi 9		0.897	0.755	0.933	1.160	0.904
>2.0 to 2.4 microns		0.884	0.744	0.915	1.100	0.874
>2.4 to 2.9 microns, Phi 8.5		1.220	1.030	1.270	1.480	1.190
>2.9 to 3.4 microns		1.310	1.130	1.390	1.570	1.270
>3.4 to 3.9 microns, Phi 8		1.480	1.290	1.590	1.740	1.430
>3.9 to 4 microns		0.309	0.277	0.345	0.368	0.296
>4.0 to 4.3 microns		0.889	0.796	0.991	1.060	0.850
>4.3 to 4.5 microns		0.574	0.516	0.643	0.682	0.548
>4.5 to 5 microns		1.560	1.420	1.790	1.850	1.480
>5 to 5.5 microns		1.550	1.440	1.830	1.850	1.460
>5.5 to 5.7 microns		0.597	0.560	0.712	0.718	0.561
>5.7 to 5.9 microns, Phi 7.5		0.589	0.555	0.706	0.708	0.552
>5.9 to 7.8 microns, Phi 7		5.510	5.410	6.990	6.760	5.110
>7.8 to 8 microns		0.548	0.559	0.734	0.693	0.507
>8 to 8.5 microns		1.310	1.340	1.760	1.660	1.210
>8.5 to 8.9 microns		1.000	1.030	1.350	1.280	0.928
>8.9 to 9.1 microns		0.499	0.522	0.692	0.646	0.463
>9.1 to 9.5 microns		0.965	1.010	1.340	1.250	0.896
>9.5 to 9.8 microns		0.698	0.731	0.968	0.904	0.648
>9.8 to 10.1 microns		0.677	0.709	0.940	0.878	0.629
>10.1 to 10.6 microns		1.130	1.220	1.640	1.510	1.060
>10.6 to 11.1 microns		1.080	1.170	1.560	1.440	1.010
>11.1 to 11.3 microns		0.419	0.452	0.605	0.558	0.390
>11.3 to 11.7 microns, Phi 6.5		0.807	0.876	1.170	1.080	0.755
>11.7 to 14 microns		4.050	4.490	6.030	5.580	3.850
>14 to 14.8 microns		1.240	1.400	1.890	1.750	1.200
>14.8 to 15.6 microns		1.160	1.320	1.760	1.650	1.140
>15.6 to 16 microns		0.551	0.630	0.837	0.791	0.549
>16 to 20 microns		4.740	5.460	7.210	6.900	4.830
>20 to 23 microns, Phi 5.5		2.800	3.260	4.200	4.180	3.030
>23 to 27 microns		3.110	3.610	4.480	4.670	3.600
>27 to 31 microns, Phi 5		2.720	3.110	3.670	4.000	3.360
>31 to 32 microns		0.648	0.729	0.820	0.919	0.835
>32 to 35.6 microns		2.260	2.520	2.740	3.090	2.950
>35.6 to 37 microns, Phi 4.75		0.870	0.952	0.987	1.120	1.160
>37 to 39.6 microns		1.570	1.710	1.740	1.980	2.100
>39.6 to 43.6 microns		2.540	2.680	2.520	2.830	3.390
>43.6 to 44 microns, Phi 4.5		0.241	0.254	0.239	0.268	0.322
>44 to 45 microns		0.599	0.631	0.590	0.660	0.798
>45 to 46.4 microns		0.956	0.972	0.824	0.890	1.230
>46.4 to 53 microns, Phi 4.25		4.300	4.330	3.580	3.820	5.440
>53 to 62.5 microns, Phi 4		6.230	6.000	4.410	4.410	7.200
>62.5 to 64 microns		0.958	0.902	0.621	0.595	1.040
>64 to 71.7 microns		4.680	4.350	2.860	2.650	4.810

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8038	8039	8040	8043	8045
		13-JUL-2010 P526551	12-JUL-2010 P526432	12-JUL-2010 P526435	09-JUL-2010 P526288	27-JUL-2010 P528118
>71.7 to 74 microns		1.330	1.210	0.764	0.686	1.290
>74 to 79.6 microns		3.020	2.750	1.680	1.480	2.820
>79.6 to 87.6 microns		3.870	3.490	2.040	1.740	3.390
>87.6 to 88 microns, Phi 3.5		0.184	0.166	0.097	0.083	0.161
>88 to 90 microns		0.838	0.752	0.427	0.356	0.689
>90 to 105 microns, Phi 3.25		5.330	4.780	2.660	2.190	4.200
>105 to 125 microns, Phi 3		4.660	4.230	2.310	1.910	3.400
>125 to 149 microns, Phi 2.75		3.230	3.000	1.660	1.430	2.260
>149 to 160 microns		0.879	0.843	0.479	0.434	0.605
>160 to 177 microns, Phi 2.5		1.020	0.992	0.574	0.535	0.698
>177 to 197 microns		0.717	0.722	0.434	0.429	0.494
>197 to 210 microns, Phi 2.25		0.302	0.313	0.194	0.201	0.211
>210 to 217 microns		0.135	0.142	0.089	0.094	0.095
>217 to 245 microns		0.392	0.419	0.269	0.293	0.280
>245 to 250 microns, Phi 2		0.051	0.056	0.037	0.041	0.037
>250 to 300 microns, Phi 1.75		0.332	0.372	0.251	0.292	0.248
>300 to 320 microns		0.067	0.078	0.055	0.067	0.053
>320 to 350 microns, Phi 1.5		0.075	0.101	0.062	0.088	0.059
>350 to 360 microns		0.000	0.024	0.000	0.021	0.000
>360 to 400 microns		0.000	0.076	0.000	0.069	0.000
>400 to 420 microns, Phi 1.25		0.000	0.000	0.000	0.000	0.000
>420 to 440 microns		0.000	0.000	0.000	0.000	0.000
>440 to 500 microns, Phi 1		0.000	0.000	0.000	0.000	0.000
>500 to 590 microns, Phi 0.75		0.000	0.000	0.000	0.000	0.000
>590 to 630 microns		0.000	0.000	0.000	0.000	0.000
>630 to 696 microns		0.000	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	ND	ND	ND
Totals:		100.038	100.028	100.000	99.996	100.013

*=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
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8047	8052
		07-JUL-2010 P525314	09-JUL-2010 P526293
<0.500 microns, Phi 11		0.000	0.000
>0.5 to 1 microns, Phi 10		0.000	0.000
>1 to 1.5 microns, Phi 9.5		0.000	0.262
>1.5 to 2 microns, Phi 9		0.000	0.518
>2.0 to 2.4 microns		0.000	0.537
>2.4 to 2.9 microns, Phi 8.5		0.000	0.769
>2.9 to 3.4 microns		0.000	0.856
>3.4 to 3.9 microns, Phi 8		0.000	0.996
>3.9 to 4 microns		0.000	0.212
>4.0 to 4.3 microns		0.000	0.608
>4.3 to 4.5 microns		0.000	0.394
>4.5 to 5 microns		0.000	1.080
>5 to 5.5 microns		0.000	1.080
>5.5 to 5.7 microns		0.000	0.418
>5.7 to 5.9 microns, Phi 7.5		0.000	0.413
>5.9 to 7.8 microns, Phi 7		0.000	3.910
>7.8 to 8 microns		0.000	0.386
>8 to 8.5 microns		0.000	0.924
>8.5 to 8.9 microns		0.000	0.705
>8.9 to 9.1 microns		0.000	0.348
>9.1 to 9.5 microns		0.000	0.674
>9.5 to 9.8 microns		0.000	0.487
>9.8 to 10.1 microns		0.000	0.472
>10.1 to 10.6 microns		0.000	0.786
>10.6 to 11.1 microns		0.000	0.750
>11.1 to 11.3 microns		0.000	0.291
>11.3 to 11.7 microns, Phi 6.5		0.000	0.555
>11.7 to 14 microns		0.000	2.730
>14 to 14.8 microns		0.000	0.825
>14.8 to 15.6 microns		0.000	0.753
>15.6 to 16 microns		0.000	0.350
>16 to 20 microns		0.000	2.930
>20 to 23 microns, Phi 5.5		0.000	1.600
>23 to 27 microns		0.000	1.630
>27 to 31 microns, Phi 5		0.000	1.280
>31 to 32 microns		0.000	0.277
>32 to 35.6 microns		0.000	0.918
>35.6 to 37 microns, Phi 4.75		0.000	0.324
>37 to 39.6 microns		0.000	0.572
>39.6 to 43.6 microns		0.000	0.821
>43.6 to 44 microns, Phi 4.5		0.000	0.078
>44 to 45 microns		0.000	0.192
>45 to 46.4 microns		0.000	0.275
>46.4 to 53 microns, Phi 4.25		0.027	1.220
>53 to 62.5 microns, Phi 4		0.176	1.690
>62.5 to 64 microns		0.032	0.262
>64 to 71.7 microns		0.205	1.380

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - Grain Size - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8047	8052
		07-JUL-2010 P525314	09-JUL-2010 P526293
>71.7 to 74 microns		0.070	0.411
>74 to 79.6 microns		0.212	1.040
>79.6 to 87.6 microns		0.379	1.550
>87.6 to 88 microns, Phi 3.5		0.018	0.074
>88 to 90 microns		0.145	0.442
>90 to 105 microns, Phi 3.25		1.390	3.520
>105 to 125 microns, Phi 3		3.380	5.820
>125 to 149 microns, Phi 2.75		6.490	8.430
>149 to 160 microns		3.890	4.300
>160 to 177 microns, Phi 2.5		6.220	6.520
>177 to 197 microns		7.650	7.270
>197 to 210 microns, Phi 2.25		4.620	3.980
>210 to 217 microns		2.380	1.990
>217 to 245 microns		8.290	6.240
>245 to 250 microns, Phi 2		1.310	0.891
>250 to 300 microns, Phi 1.75		10.300	5.660
>300 to 320 microns		2.730	0.884
>320 to 350 microns, Phi 1.5		3.620	1.080
>350 to 360 microns		0.942	0.176
>360 to 400 microns		3.450	0.612
>400 to 420 microns, Phi 1.25		1.400	0.148
>420 to 440 microns		1.340	0.141
>440 to 500 microns, Phi 1		3.500	0.251
>500 to 590 microns, Phi 0.75		4.510	0.057
>590 to 630 microns		1.890	0.000
>630 to 696 microns		2.920	0.000
>696 to 710 microns, Phi 0.5		0.608	0.000
>710 to 773 microns		2.600	0.000
>773 to 840 microns, Phi 0.25		2.590	0.000
>840 to 850 microns		0.370	0.000
>850 to 930 microns		2.680	0.000
>930 to 1000 microns, Phi 0		2.050	0.000
1000 to 1100 microns		2.070	0.000
>1100 to 1190 microns, Phi -0.25		1.400	0.000
>1190 to 1300 microns		0.956	0.000
>1300 to 1410 microns, Phi -0.5		0.541	0.000
>1410 to 1680 microns, Phi -0.75		0.594	0.000
>1680 to 2000 microns, Phi -1		0.107	0.000
>2000 microns*		ND	ND
Totals:		100.052	100.025

*=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
 SEDIMENT SEMI-ANNUAL - Grain Size (Sieve) - Random Stations
 (all values are in percent distribution)

Annual 2010

Analyte	MDL Units	8013	8023	8024	8033
		P526809	P526215	P526218	P525186
		15-JUL-2010	08-JUL-2010	08-JUL-2010	06-JUL-2010
<63 microns, Phi<4		3.7	6.1	3.7	9.6
>63 to 125 microns, Phi>4		7.1	0.4	0.4	70.4
>125 to 250 microns, Phi>3		16.3	5.3	2.2	7.7
>250 to 500 microns, Phi>2		16.3	39.4	22.2	2.2
>500 to 1000 microns, Phi>1		13.4	26.9	44.3	1.5
>1000 to 2000 microns, Phi>0		16.8	9.1	21.0	4.5
>2000 microns, Phi>-1		26.3	12.7	6.2	7.0
Totals:		99.9	99.9	100	103

SOUTH BAY WATER RECLAMATION PLANT
 SEDIMENT Total Organic Carbon/Total Nitrogen - Random Stations

Annual 2010

Analyte	MDL	Units	8001 12-JUL-2010	8002 12-JUL-2010	8003 12-JUL-2010	8004 12-JUL-2010	8005 12-JUL-2010	8006 13-JUL-2010
Total Nitrogen	.005	WT%	0.049	0.058	0.041	0.093	0.061	0.097
Total Organic Carbon	.01	WT%	0.463	0.516	0.307	0.877	0.546	0.876

Analyte	MDL	Units	8007 13-JUL-2010	8008 13-JUL-2010	8009 13-JUL-2010	8010 12-JUL-2010	8011 13-JUL-2010	8011 13-JUL-2010
Total Nitrogen	.005	WT%	0.081	0.069	0.061	0.017	0.091	0.091
Total Organic Carbon	.01	WT%	0.729	4.470	0.552	0.086	0.842	0.842

Analyte	MDL	Units	8011 13-JUL-2010	8014 14-JUL-2010	8015 14-JUL-2010	8016 06-JUL-2010	8017 07-JUL-2010	8018 09-JUL-2010
Total Nitrogen	.005	WT%	0.091	0.053	0.115	0.014	0.023	0.050
Total Organic Carbon	.01	WT%	0.842	0.540	1.15	0.070	0.042	1.48

Analyte	MDL	Units	8019 14-JUL-2010	8020 14-JUL-2010	8021 07-JUL-2010	8022 08-JUL-2010	8023 08-JUL-2010	8024 08-JUL-2010
Total Nitrogen	.005	WT%	0.104	0.047	0.021	0.071	0.043	0.053
Total Organic Carbon	.01	WT%	0.902	0.395	0.139	0.563	2.31	0.515

Analyte	MDL	Units	8025 06-JUL-2010	8026 09-JUL-2010	8027 06-JUL-2010	8028 08-JUL-2010	8029 08-JUL-2010	8030 08-JUL-2010
Total Nitrogen	.005	WT%	0.020	0.041	0.019	0.077	0.010	0.105
Total Organic Carbon	.01	WT%	0.130	1.53	0.125	0.738	0.022	1.59

Analyte	MDL	Units	8032 06-JUL-2010	8033 06-JUL-2010	8034 07-JUL-2010	8037 09-JUL-2010	8038 13-JUL-2010	8039 12-JUL-2010
Total Nitrogen	.005	WT%	0.024	0.020	0.010	0.222	0.145	0.149
Total Organic Carbon	.01	WT%	0.185	0.157	0.027	2.74	1.73	1.80

Analyte	MDL	Units	8040 12-JUL-2010	8043 09-JUL-2010	8045 27-JUL-2010	8047 07-JUL-2010	8052 09-JUL-2010
Total Nitrogen	.005	WT%	0.198	0.212	0.131	0.013	0.067
Total Organic Carbon	.01	WT%	2.08	2.65	1.51	0.081	3.13

ND=not detected

SOUTH BAY WASTEWATER RECLAMATION PLANT
OCEAN SEDIMENT - RANDOM STATIONS
Trace Metals

Annual 2010

Source:

Date:		8001	8002	8003	8004	8005	8006	8007
Analyte:	MDL Units	12-JUL-2010	12-JUL-2010	12-JUL-2010	12-JUL-2010	12-JUL-2010	13-JUL-2010	13-JUL-2010
Aluminum	2 MG/KG	7600	9030	8970	12900	9530	7450	9370
Antimony	.3 MG/KG	0.51	0.51	0.55	0.66	0.54	0.37	0.41
Arsenic	.33 MG/KG	3.60	3.20	2.78	2.56	3.33	4.15	3.89
Beryllium	.01 MG/KG	0.13	0.21	0.14	0.23	0.16	0.20	0.20
Cadmium	.06 MG/KG	ND	0.21	0.16	0.48	0.17	0.11	0.24
Chromium	.1 MG/KG	18.8	17.6	14.6	22.3	15.8	18.2	19.6
Copper	.2 MG/KG	6.26	7.71	7.09	12.00	6.98	10.20	10.50
Iron	9 MG/KG	11900	13300	10800	14700	11200	13300	14300
Lead	.8 MG/KG	8.25	4.97	2.87	5.26	4.31	6.24	5.74
Manganese	.08 MG/KG	93.7	94.8	119.0	121.0	106.0	103.0	119.0
Mercury	.003 MG/KG	0.007	0.017	0.006	0.029	0.021	0.074	0.037
Nickel	.1 MG/KG	5.49	6.97	5.51	10.90	6.39	8.59	7.79
Selenium	.24 MG/KG	ND	0.320	0.530	0.360	ND	0.470	0.250
Silver	.04 MG/KG	0.33	ND	ND	ND	ND	ND	ND
Thallium	.5 MG/KG	ND	ND	ND	ND	ND	ND	ND
Tin	.3 MG/KG	0.5	0.9	0.6	1.1	0.9	1.0	1.1
Zinc	.25 MG/KG	29.0	30.8	31.9	38.7	29.4	34.7	41.3

Source:

Date:		8008	8009	8010	8011	8012	8013	8014
Analyte:	MDL Units	13-JUL-2010	13-JUL-2010	12-JUL-2010	13-JUL-2010	14-JUL-2010	15-JUL-2010	14-JUL-2010
Aluminum	2 MG/KG	4760	7710	3410	10200	4560	2150	4510
Antimony	.3 MG/KG	ND	ND	ND	0.51	<0.30	ND	ND
Arsenic	.33 MG/KG	5.41	3.72	1.11	4.25	2.24	2.39	2.87
Beryllium	.01 MG/KG	0.29	0.17	0.04	0.22	0.13	0.05	0.14
Cadmium	.06 MG/KG	0.16	0.22	ND	0.12	0.13	0.17	0.11
Chromium	.1 MG/KG	25.8	17.4	5.4	21.1	12.2	6.9	13.2
Copper	.2 MG/KG	5.30	8.67	1.12	11.90	6.26	2.84	7.09
Iron	9 MG/KG	21100	12800	4520	15700	8310	4350	9060
Lead	.8 MG/KG	4.27	5.18	0.89	6.62	4.01	1.93	4.23
Manganese	.08 MG/KG	43.7	111.0	67.7	117.0	61.3	36.6	61.0
Mercury	.003 MG/KG	0.016	0.043	0.055	0.041	0.025	0.016	0.025
Nickel	.1 MG/KG	5.29	6.59	1.45	9.54	6.05	2.29	6.08
Selenium	.24 MG/KG	0.350	0.250	ND	0.750	0.440	ND	ND
Silver	.04 MG/KG	ND	ND	ND	ND	ND	ND	ND
Thallium	.5 MG/KG	ND	ND	ND	ND	ND	ND	ND
Tin	.3 MG/KG	0.5	0.9	0.4	1.3	0.6	0.3	0.6
Zinc	.25 MG/KG	34.2	35.1	13.2	38.9	22.6	11.1	24.7

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

SOUTH BAY WASTEWATER RECLAMATION PLANT
OCEAN SEDIMENT - RANDOM STATIONS
Trace Metals

Annual 2010

Source:

Date:		8015	8016	8017	8018	8019	8020	8021
Analyte:	MDL Units	14-JUL-2010	06-JUL-2010	07-JUL-2010	09-JUL-2010	14-JUL-2010	14-JUL-2010	07-JUL-2010
Aluminum	2 MG/KG	7880	2370	2090	5790	7190	4750	3490
Antimony	.3 MG/KG	0.44	0.42	ND	0.62	0.39	ND	ND
Arsenic	.33 MG/KG	2.73	1.16	1.24	5.46	3.82	2.06	1.72
Beryllium	.01 MG/KG	0.20	ND	ND	0.32	0.21	0.12	ND
Cadmium	.06 MG/KG	0.12	ND	ND	0.17	0.16	0.08	ND
Chromium	.1 MG/KG	18.5	5.9	4.5	30.2	19.2	11.7	6.9
Copper	.2 MG/KG	12.50	0.29	4.54	3.96	12.70	6.02	5.70
Iron	9 MG/KG	13800	3670	3400	13700	12400	8420	5060
Lead	.8 MG/KG	7.27	2.20	1.00	2.44	5.67	3.65	2.60
Manganese	.08 MG/KG	111.0	38.1	35.6	24.9	92.6	55.8	53.8
Mercury	.003 MG/KG	0.051	ND	ND	0.005	0.053	0.023	0.013
Nickel	.1 MG/KG	9.46	1.13	1.17	4.73	10.40	5.26	1.93
Selenium	.24 MG/KG	0.370	ND	ND	ND	0.310	0.400	ND
Silver	.04 MG/KG	ND	0.30	ND	ND	ND	ND	ND
Thallium	.5 MG/KG	ND	ND	ND	ND	ND	ND	ND
Tin	.3 MG/KG	1.1	ND	<0.3	0.4	0.9	0.7	0.4
Zinc	.25 MG/KG	37.6	7.5	7.8	21.6	34.9	20.4	13.9

Source:

Date:		8022	8023	8024	8025	8026	8027	8028
Analyte:	MDL Units	08-JUL-2010	08-JUL-2010	08-JUL-2010	06-JUL-2010	09-JUL-2010	06-JUL-2010	08-JUL-2010
Aluminum	2 MG/KG	14400	4750	10300	3780	4540	3680	12000
Antimony	.3 MG/KG	0.69	0.52	0.32	0.40	0.38	0.43	0.65
Arsenic	.33 MG/KG	3.86	6.41	3.38	1.58	3.17	1.51	3.95
Beryllium	.01 MG/KG	0.22	0.12	ND	0.02	0.18	0.06	0.19
Cadmium	.06 MG/KG	0.13	0.17	0.13	0.06	0.18	ND	0.12
Chromium	.1 MG/KG	19.9	13.3	15.4	9.9	19.6	9.0	18.0
Copper	.2 MG/KG	13.40	10.40	13.60	1.53	4.21	1.19	15.70
Iron	9 MG/KG	14600	17700	15900	4130	9460	3830	12100
Lead	.8 MG/KG	6.43	91.60	5.39	3.35	2.20	2.99	9.36
Manganese	.08 MG/KG	123.0	235.0	112.0	38.8	27.2	36.4	102.0
Mercury	.003 MG/KG	0.043	ND	0.043	0.003	0.010	ND	0.062
Nickel	.1 MG/KG	9.49	4.22	6.53	2.24	4.82	1.94	8.48
Selenium	.24 MG/KG	0.270	ND	0.266	ND	0.300	ND	0.276
Silver	.04 MG/KG	ND	ND	ND	ND	ND	ND	ND
Thallium	.5 MG/KG	ND	ND	ND	2.0	ND	ND	ND
Tin	.3 MG/KG	1.3	1.7	1.0	ND	0.5	ND	1.5
Zinc	.25 MG/KG	37.8	39.0	35.1	10.3	17.4	8.9	40.9

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

SOUTH BAY WASTEWATER RECLAMATION PLANT
OCEAN SEDIMENT - RANDOM STATIONS
Trace Metals

Annual 2010

Source:		8029	8030	8032	8033	8034	8037	8038
Date:	MDL Units	08-JUL-2010	08-JUL-2010	06-JUL-2010	06-JUL-2010	07-JUL-2010	09-JUL-2010	13-JUL-2010
Analyte:								
Aluminum	2 MG/KG	1020	11100	4690	4410	1180	18100	8880
Antimony	.3 MG/KG	ND	0.58	0.45	0.46	ND	0.89	0.44
Arsenic	.33 MG/KG	2.48	3.54	1.62	1.94	5.10	2.97	2.82
Beryllium	.01 MG/KG	0.04	0.25	0.04	0.04	ND	0.33	0.25
Cadmium	.06 MG/KG	ND	0.22	ND	ND	ND	0.36	0.40
Chromium	.1 MG/KG	3.5	22.8	11.8	10.6	10.1	32.1	23.4
Copper	.2 MG/KG	0.56	12.50	2.49	2.35	3.94	24.40	14.70
Iron	9 MG/KG	3170	14600	5760	5340	6540	18600	14700
Lead	.8 MG/KG	1.29	4.81	4.50	4.16	2.37	6.49	5.79
Manganese	.08 MG/KG	8.2	83.2	47.7	50.0	14.6	139.0	104.0
Mercury	.003 MG/KG	ND	0.030	0.005	0.003	ND	0.058	0.042
Nickel	.1 MG/KG	0.88	11.20	3.41	2.77	0.77	21.20	13.10
Selenium	.24 MG/KG	ND	0.551	0.243	ND	ND	1.160	0.650
Silver	.04 MG/KG	ND	ND	ND	ND	ND	ND	ND
Thallium	.5 MG/KG	ND	ND	ND	ND	ND	ND	ND
Tin	.3 MG/KG	ND	1.3	ND	ND	0.3	1.5	0.9
Zinc	.25 MG/KG	3.9	34.7	13.1	12.7	6.5	54.1	41.5

Source:		8039	8040	8043	8045	8047	8052
Date:	MDL Units	12-JUL-2010	12-JUL-2010	09-JUL-2010	27-JUL-2010	07-JUL-2010	09-JUL-2010
Analyte:							
Aluminum	2 MG/KG	14100	19400	18000	9170	2020	6840
Antimony	.3 MG/KG	0.83	0.88	2.17	0.42	ND	0.48
Arsenic	.33 MG/KG	2.22	4.66	3.77	2.96	1.20	4.06
Beryllium	.01 MG/KG	0.29	0.37	0.33	0.24	ND	0.25
Cadmium	.06 MG/KG	0.49	0.62	0.32	0.31	ND	0.21
Chromium	.1 MG/KG	30.5	33.4	32.4	23.2	5.1	22.8
Copper	.2 MG/KG	16.90	22.80	31.20	14.80	4.32	7.42
Iron	9 MG/KG	17100	21400	19900	14600	4340	15500
Lead	.8 MG/KG	4.87	7.28	9.39	5.69	1.14	3.58
Manganese	.08 MG/KG	115.0	160.0	143.0	113.0	42.1	41.4
Mercury	.003 MG/KG	0.071	0.045	0.089	0.029	ND	0.017
Nickel	.1 MG/KG	15.00	18.10	20.60	13.60	0.91	7.37
Selenium	.24 MG/KG	0.880	1.130	1.010	0.410	ND	0.340
Silver	.04 MG/KG	ND	ND	ND	ND	ND	ND
Thallium	.5 MG/KG	ND	ND	ND	ND	ND	ND
Tin	.3 MG/KG	1.0	1.5	2.6	0.9	ND	0.8
Zinc	.25 MG/KG	45.6	58.8	57.7	42.4	6.4	25.7

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

SOUTH BAY OCEAN OUTFALL MONITORING
Chlorinated Pesticide Analysis - Random Stations

Annual 2010

	MDL Units	8001 12-JUL-2010	8002 12-JUL-2010	8003 12-JUL-2010	8004 12-JUL-2010	8005 12-JUL-2010	8006 13-JUL-2010
=====	=====	=====	=====	=====	=====	=====	=====
Aldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDD	700 NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDE	400 NG/KG	ND	ND	ND	E360	E200	E390
p,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDD	400 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND	ND	ND	ND
=====	=====	=====	=====	=====	=====	=====	=====
Aldrin + Dieldrin	700 NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0	0	0	0
DDT and derivatives	700 NG/KG	0	0	0	360	200	390
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0
=====	=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	700 NG/KG	0	0	0	360	200	390

ND=not detected
NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING
Chlorinated Pesticide Analysis - Random Stations

Annual 2010

	MDL Units	8007 13-JUL-2010	8008 13-JUL-2010	8009 13-JUL-2010	8010 12-JUL-2010	8011 13-JUL-2010	8012 14-JUL-2010
=====	=====	=====	=====	=====	=====	=====	=====
Aldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND	ND	ND	4800
BHC, Gamma isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND	ND	ND	3700
p,p-DDD	700 NG/KG	ND	ND	ND	ND	ND	1300
p,p-DDE	400 NG/KG	<400	E170	E340	ND	E440	1500
p,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	E590
o,p-DDD	400 NG/KG	ND	ND	E45	ND	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND	ND	ND	ND
=====	=====	=====	=====	=====	=====	=====	=====
Aldrin + Dieldrin	700 NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0	0	0	8500
DDT and derivatives	700 NG/KG	0	170	385	0	440	3390
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0
=====	=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	700 NG/KG	0	170	385	0	440	11890

ND=not detected
NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING
Chlorinated Pesticide Analysis - Random Stations

Annual 2010

	MDL Units	8013 15-JUL-2010	8014 14-JUL-2010	8015 14-JUL-2010	8016 06-JUL-2010	8017 07-JUL-2010	8018 09-JUL-2010
=====	=====	=====	=====	=====	=====	=====	=====
Aldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDD	700 NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDE	400 NG/KG	ND	E280	E430	ND	ND	ND
p,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDD	400 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND	ND	ND	ND
=====	=====	=====	=====	=====	=====	=====	=====
Aldrin + Dieldrin	700 NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0	0	0	0
DDT and derivatives	700 NG/KG	0	280	430	0	0	0
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0
=====	=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	700 NG/KG	0	280	430	0	0	0

ND=not detected
NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING
Chlorinated Pesticide Analysis - Random Stations

Annual 2010

	MDL Units	8019 14-JUL-2010	8020 14-JUL-2010	8021 07-JUL-2010	8022 08-JUL-2010	8023 08-JUL-2010	8024 08-JUL-2010
=====	=====	=====	=====	=====	=====	=====	=====
Aldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDD	700 NG/KG	E130	ND	ND	ND	ND	ND
p,p-DDE	400 NG/KG	930	E180	ND	560	ND	E250
p,p-DDT	700 NG/KG	E330	ND	ND	ND	ND	ND
o,p-DDD	400 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND	ND	ND	ND
=====	=====	=====	=====	=====	=====	=====	=====
Aldrin + Dieldrin	700 NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0	0	0	0
DDT and derivatives	700 NG/KG	1390	180	0	560	0	250
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0
=====	=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	700 NG/KG	1390	180	0	560	0	250

ND=not detected
NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING
Chlorinated Pesticide Analysis - Random Stations

Annual 2010

	MDL Units	8025 06-JUL-2010	8026 09-JUL-2010	8027 06-JUL-2010	8028 08-JUL-2010	8029 08-JUL-2010	8030 08-JUL-2010
=====	=====	=====	=====	=====	=====	=====	=====
Aldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDD	700 NG/KG	ND	ND	ND	2000	ND	ND
p,p-DDE	400 NG/KG	ND	ND	ND	2300	ND	E270
p,p-DDT	700 NG/KG	ND	ND	ND	71000	ND	ND
o,p-DDD	400 NG/KG	ND	ND	ND	E270	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND	E350	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND	ND	ND	ND
=====	=====	=====	=====	=====	=====	=====	=====
Aldrin + Dieldrin	700 NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0	0	0	0
DDT and derivatives	700 NG/KG	0	0	0	75920	0	270
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0
=====	=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	700 NG/KG	0	0	0	75920	0	270

ND=not detected
NA=not analyzed

SOUTH BAY OCEAN OUTFALL MONITORING
Chlorinated Pesticide Analysis - Random Stations

Annual 2010

	MDL Units	8032 06-JUL-2010	8033 06-JUL-2010	8034 07-JUL-2010	8037 09-JUL-2010	8038 13-JUL-2010	8039 12-JUL-2010
Aldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDD	700 NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDE	400 NG/KG	ND	ND	ND	ND	E230	E220
p,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDD	400 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	700 NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0	0	0	0
DDT and derivatives	700 NG/KG	0	0	0	0	230	220
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0
Chlorinated Hydrocarbons	700 NG/KG	0	0	0	0	230	220

ND=not detected
 ND= not detected
 E = Estimated analyte concentration below calibration range.

SOUTH BAY OCEAN OUTFALL MONITORING
Chlorinated Pesticide Analysis - Random Stations

Annual 2010

	MDL Units	8040 12-JUL-2010	8043 09-JUL-2010	8045 27-JUL-2010	8047 07-JUL-2010	8052 09-JUL-2010
=====	=====	=====	=====	=====	=====	=====
Aldrin	700 NG/KG	ND	ND	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND	ND	ND
BHC, Gamma isomer	400 NG/KG	ND	ND	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND	ND	ND
p,p-DDD	700 NG/KG	ND	ND	ND	ND	ND
p,p-DDE	400 NG/KG	E100	E200	E290	ND	E220
p,p-DDT	700 NG/KG	ND	ND	ND	ND	ND
o,p-DDD	400 NG/KG	ND	ND	ND	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	700 NG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND	ND	ND
=====	=====	=====	=====	=====	=====	=====
Aldrin + Dieldrin	700 NG/KG	0	0	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0	0	0
DDT and derivatives	700 NG/KG	0	0	0	0	0
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0
=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	700 NG/KG	0	0	0	0	0

ND= not detected

E = Estimated analyte concentration below calibration range.

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - PCB Congeners Random Stations

Annual 2010

Analyte	MDL	Units	8001	8002	8003	8004	8005	8006	8007
			12-JUL-2010	12-JUL-2010	12-JUL-2010	12-JUL-2010	12-JUL-2010	13-JUL-2010	13-JUL-2010
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	ND	E42	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	0	42	0	0

ND= not detected
 E = Estimated analyte concentration below calibration range.

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - PCB Congeners Random Stations

Annual 2010

Analyte	MDL	Units	8008	8009	8010	8011	8012	8013	8014
			13-JUL-2010	13-JUL-2010	12-JUL-2010	13-JUL-2010	14-JUL-2010	15-JUL-2010	14-JUL-2010
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	0	0	0	0

ND= not detected
 E = Estimated analyte concentration below calibration range.

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - PCB Congeners Random Stations

Annual 2010

Analyte	MDL	Units	8015	8016	8017	8018	8019	8020	8021
			14-JUL-2010	06-JUL-2010	07-JUL-2010	09-JUL-2010	14-JUL-2010	14-JUL-2010	07-JUL-2010
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	ND	E160	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	<700	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	ND	E36	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	0	196	0	0

ND= not detected
 E = Estimated analyte concentration below calibration range.

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - PCB Congeners Random Stations

Annual 2010

Analyte	MDL	Units	8022	8023	8024	8025	8026	8027	8028
			08-JUL-2010	08-JUL-2010	08-JUL-2010	06-JUL-2010	09-JUL-2010	06-JUL-2010	08-JUL-2010
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND	E590
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	E250	ND	ND	ND	E160
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND	E81
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND	990
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND	E310
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	E130	ND	ND	ND	E530
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	E39	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	E200	ND	ND	ND	E490
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	E130	ND	ND	ND	E370
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	E45	ND	ND	ND	E270
PCB 138	700	NG/KG	ND	ND	E110	ND	ND	ND	E400
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND	E110
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND	E140
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	E200	ND	ND	ND	E170
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND	E81
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	ND	ND	ND	E220
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND	E160
Total PCB's	1500	NG/KG	0	0	1104	0	0	0	5072

ND= not detected
 E = Estimated analyte concentration below calibration range.

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - PCB Congeners Random Stations

Annual 2010

Analyte	MDL	Units	8029	8030	8032	8033	8034	8037	8038
			08-JUL-2010	08-JUL-2010	06-JUL-2010	06-JUL-2010	07-JUL-2010	09-JUL-2010	13-JUL-2010
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	0	0	0	0

ND= not detected
 E = Estimated analyte concentration below calibration range.

SOUTH BAY OCEAN OUTFALL MONITORING
 SEDIMENT - PCB Congeners Random Stations

Annual 2010

Analyte	MDL	Units	8039	8040	8043	8045	8047	8052
			12-JUL-2010	12-JUL-2010	09-JUL-2010	27-JUL-2010	07-JUL-2010	09-JUL-2010
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	E290	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	E200	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	E670	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	E200	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	1400	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	E330	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	E540	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	930	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	E590	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	E610	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	E230	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	E620	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	E80	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	E140	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	E55	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	E220	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	7105	0	0

ND= not detected
 E = Estimated analyte concentration below calibration range.

B. Fish Tissue Data.

Fish were taken from the following stations during 2010. 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

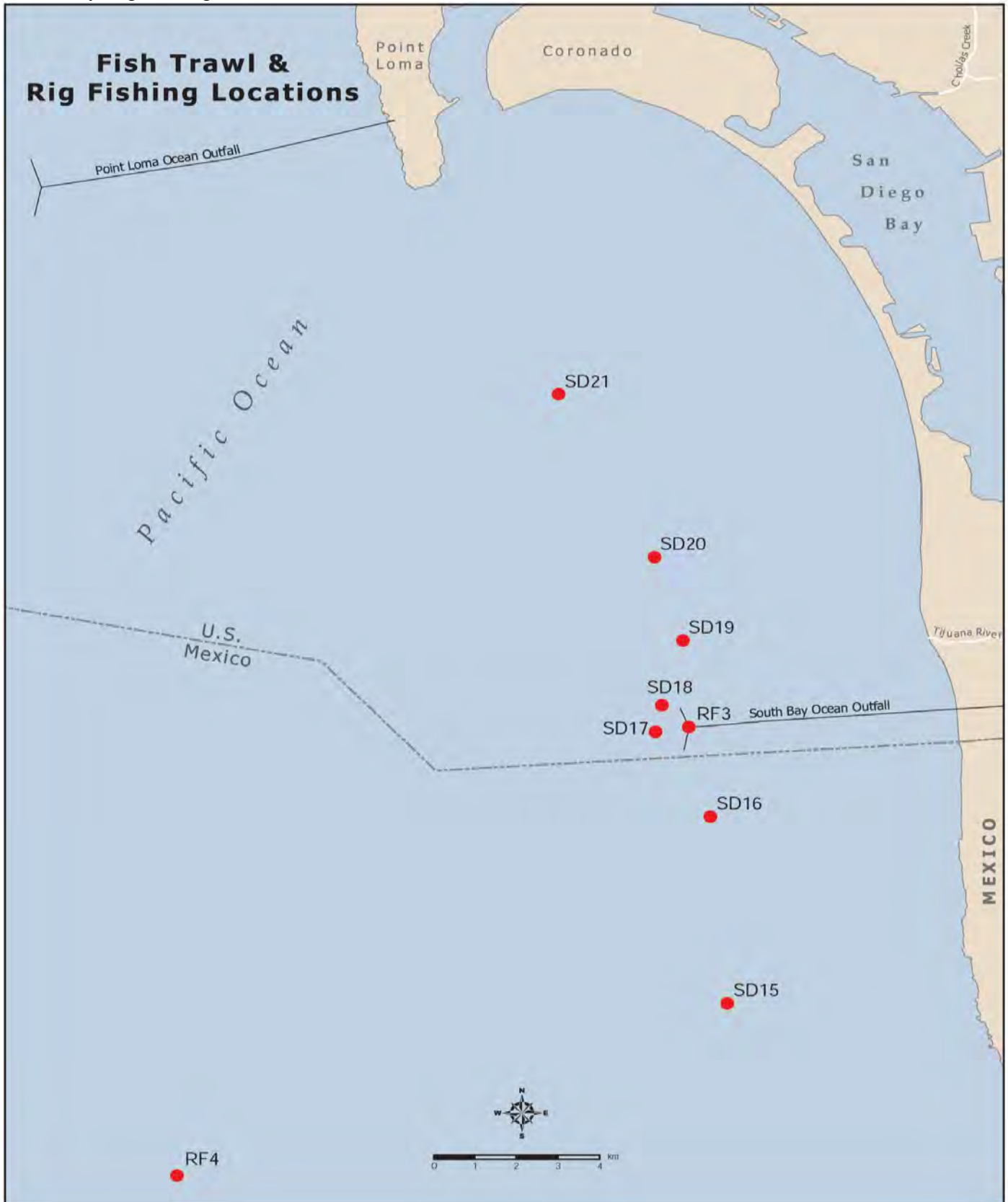
SD-18

SD-19

SD-20

SD-21

South Bay Rig Fishing and Trawl Stations



SOUTH BAY WATER RECLAMATION PLANT
TISSUE

Annual 2010

FISH - Lipids & Total Solids

Tissue Analyte	MDL	Units	SD-15	SD-16	SD-17	SD-18	SD-19	SD-20
			2010	2010	2010	2010	2010	2010
			Avg	Avg	Avg	Avg	Avg	Avg
Liver Lipids	.005	WT%	15.3	14.8	12.5	15.9	19.7	14.7
Liver Total Solids	.4	WT%	36.4	35.1	36.3	36.1	36.6	36.6

Tissue Analyte	MDL	Units	SD-21	RF-3	RF-4
			2010	2010	2010
			Avg	Avg	Avg
Liver Lipids	.005	WT%	13.6		
Liver Total Solids	.4	WT%	34.3		
Muscle Lipids	.005	WT%		0.4	0.7
Muscle Total Solids	.4	WT%		20.7	23.3

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

SOUTH BAY WATER RECLAMATION PLANT
FISH TISSUE - MUSCLE
Trace Metals

Annual 2010

Source:		RF-3	RF-4
Date:		2010	2010
Analyte:	MDL Units	Average	Average
=====	=====	=====	=====
Aluminum	3 MG/KG	3.9	3.9
Antimony	.2 MG/KG	ND	<0.20
Arsenic	.24 MG/KG	1.01	2.46
Beryllium	.006 MG/KG	ND	<0.006
Cadmium	.06 MG/KG	ND	ND
Chromium	.1 MG/KG	<0.10	<0.10
Copper	.1 MG/KG	0.45	0.30
Iron	2 MG/KG	ND	<2.00
Lead	.2 MG/KG	<0.20	ND
Manganese	.1 MG/KG	ND	ND
Nickel	.2 MG/KG	ND	ND
Selenium	.06 MG/KG	0.25	0.35
Silver	.05 MG/KG	ND	<0.05
Thallium	.4 MG/KG	<0.40	<0.40
Tin	.2 MG/KG	<0.20	<0.20
Zinc	.15 MG/KG	3.68	3.83
Total Solids	.4 WT%	20.7	23.3

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
FISH TISSUE - LIVER
Trace Metals

Annual 2010

Source:		SD-15	SD-16	SD-17	SD-18
Date:		2010	2010	2010	2010
Analyte:	MDL Units	Average	Average	Average	Average
=====	=====	=====	=====	=====	=====
Aluminum	3 MG/KG	3.88	5.17	5.32	7.28
Antimony	.2 MG/KG	ND	<0.20	<0.20	<0.20
Arsenic	.24 MG/KG	6.41	12.9	9.94	12.8
Beryllium	.006 MG/KG	ND	ND	ND	ND
Cadmium	.06 MG/KG	2.88	1.67	4.72	3.03
Chromium	.1 MG/KG	<0.10	0.13	<0.10	<0.10
Copper	.1 MG/KG	7.43	6.38	8.36	6.90
Iron	2 MG/KG	57	108	115	127
Lead	.2 MG/KG	ND	0.21	0.20	0.69
Manganese	.1 MG/KG	1.19	1.21	1.33	1.29
Nickel	.2 MG/KG	ND	<0.20	<0.20	<0.20
Selenium	.06 MG/KG	0.94	1.39	1.60	1.56
Thallium	.4 MG/KG	ND	0.56	<0.40	<0.40
Tin	.2 MG/KG	<0.20	<0.20	0.20	0.20
Zinc	.15 MG/KG	60.9	28.6	42.0	30.9
Total Solids	.4 WT%	36.4	35.1	36.3	36.1

Source:		SD-19	SD-20	SD-21
Date:		2010	2010	2010
Analyte:	MDL Units	Average	Average	Average
=====	=====	=====	=====	=====
Aluminum	3 MG/KG	12.7	32.2	28.7
Antimony	.2 MG/KG	<0.20	<0.20	ND
Arsenic	.24 MG/KG	8.35	5.20	5.92
Beryllium	.006 MG/KG	ND	ND	<0.006
Cadmium	.06 MG/KG	4.58	4.22	3.71
Chromium	.1 MG/KG	0.14	0.14	0.18
Copper	.1 MG/KG	8.72	8.39	7.24
Iron	2 MG/KG	121	115	73
Lead	.2 MG/KG	0.22	0.24	<0.20
Manganese	.1 MG/KG	1.48	1.51	1.47
Nickel	.2 MG/KG	<0.20	ND	<0.20
Selenium	.06 MG/KG	1.60	1.44	1.04
Thallium	.4 MG/KG	<0.40	<0.40	<0.40
Tin	.2 MG/KG	<0.20	0.29	<0.20
Zinc	.15 MG/KG	31.7	33.3	37.3
Total Solids	.4 WT%	36.6	36.6	34.3

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
FISH LIVER - Chlorinated Pesticides

ANNUAL 2010

Analyte	MDL	Units	SD-15	SD-16	SD-17	SD-18	SD-19
			2010	2010	2010	2010	2010
			Average Value	Average Value	Average Value	Average Value	Average Value
Hexachlorobenzene	1.32	UG/KG	<1.3	2.4	3.1	3.7	2.2
BHC, Gamma isomer	63.4	UG/KG	ND	ND	ND	ND	ND
Heptachlor	3.82	UG/KG	ND	ND	ND	ND	ND
Aldrin	88.1	UG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	3.89	UG/KG	ND	ND	ND	ND	ND
o,p-DDE	2.79	UG/KG	ND	<2.8	3.9	E3.7	E5.4
Alpha Endosulfan	118	UG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	4.56	UG/KG	ND	ND	ND	ND	ND
Trans Nonachlor	2.58	UG/KG	ND	ND	ND	ND	ND
p,p-DDE	2.08	UG/KG	35.5	68.0	123	110	170
Dieldrin	17.1	UG/KG	ND	ND	ND	ND	ND
o,p-DDD	2.02	UG/KG	ND	ND	ND	ND	ND
Endrin	14.2	UG/KG	ND	ND	ND	ND	ND
o,p-DDT	1.62	UG/KG	ND	ND	ND	ND	ND
p,p-DDD	3.36	UG/KG	ND	<3.4	<3.4	E4.8	E5.5
p,p-DDT	2.69	UG/KG	ND	<2.7	<2.7	E3.6	4.7
Mirex	1.49	UG/KG	ND	ND	ND	ND	ND

Analyte	MDL	Units	SD-20	SD-21
			2010	2010
			Average Value	Average Value
Hexachlorobenzene	1.32	UG/KG	1.8	E1.4
BHC, Gamma isomer	63.4	UG/KG	ND	ND
Heptachlor	3.82	UG/KG	ND	ND
Aldrin	88.1	UG/KG	ND	ND
Heptachlor epoxide	3.89	UG/KG	ND	ND
o,p-DDE	2.79	UG/KG	3.9	<2.8
Alpha Endosulfan	118	UG/KG	ND	ND
Alpha (cis) Chlordane	4.56	UG/KG	ND	ND
Trans Nonachlor	2.58	UG/KG	ND	ND
p,p-DDE	2.08	UG/KG	109	64.7
Dieldrin	17.1	UG/KG	ND	ND
o,p-DDD	2.02	UG/KG	ND	ND
Endrin	14.2	UG/KG	ND	ND
o,p-DDT	1.62	UG/KG	ND	ND
p,p-DDD	3.36	UG/KG	E6.8	<3.4
p,p-DDT	2.69	UG/KG	4.1	<2.7
Mirex	1.49	UG/KG	ND	ND

ND= not detected
 NA= not analyzed
 NS= not sampled
 E = Estimated analyte concentration below calibration range.

SOUTH BAY WATER RECLAMATION PLANT
FISH MUSCLE - Chlorinated Pesticides

Annual 2010

Analyte	MDL	Units	RF-3	RF-4
			2010	2010
			Avg	Avg
Hexachlorobenzene	.13	UG/KG	<0.1	<0.1
BHC, Gamma isomer	6.34	UG/KG	ND	ND
Heptachlor	.38	UG/KG	ND	ND
Aldrin	8.81	UG/KG	ND	ND
Heptachlor epoxide	.39	UG/KG	ND	ND
o,p-DDE	.28	UG/KG	ND	ND
Alpha Endosulfan	11.8	UG/KG	ND	ND
Alpha (cis) Chlordane	.46	UG/KG	ND	ND
Trans Nonachlor	.26	UG/KG	ND	ND
p,p-DDE	.21	UG/KG	2.0	5.7
Dieldrin	1.71	UG/KG	ND	ND
o,p-DDD	.2	UG/KG	ND	ND
Endrin	1.42	UG/KG	ND	ND
o,p-DDT	.16	UG/KG	ND	ND
p,p-DDD	.34	UG/KG	ND	<0.3
p,p-DDT	.27	UG/KG	ND	ND
Mirex	.15	UG/KG	ND	ND

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

SOUTH BAY WATER RECLAMATION PLANT
FISH LIVER - Analysis of Poly Aromatic Hydrocarbon (PAH)

Annual 2010

Analyte	MDL	Units	SD-15	SD-16	SD-17	SD-18
			2010	2010	2010	2010
			Avg	Avg	Avg	Avg
Acenaphthene	28.9	UG/KG	ND	ND	ND	ND
Acenaphthylene	24.7	UG/KG	ND	ND	ND	ND
Anthracene	25.3	UG/KG	ND	ND	ND	ND
Benzo[A]anthracene	47.3	UG/KG	ND	ND	ND	ND
Benzo[A]pyrene	42.9	UG/KG	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	30.2	UG/KG	ND	ND	ND	ND
Benzo[e]pyrene	41.8	UG/KG	ND	ND	ND	ND
Benzo[G,H,I]perylene	27.2	UG/KG	ND	ND	ND	ND
Benzo[K]fluoranthene	32	UG/KG	ND	ND	ND	ND
Biphenyl	38	UG/KG	ND	ND	ND	ND
Chrysene	18.1	UG/KG	ND	ND	ND	ND
Dibenzo(A,H)anthracene	37.6	UG/KG	ND	ND	ND	ND
2,6-dimethylnaphthalene	21.7	UG/KG	ND	ND	ND	ND
Fluoranthene	19.9	UG/KG	ND	ND	ND	ND
Fluorene	27.3	UG/KG	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	25.6	UG/KG	ND	ND	ND	ND
1-methylnaphthalene	27.9	UG/KG	ND	ND	ND	ND
2-methylnaphthalene	35.8	UG/KG	ND	ND	ND	ND
1-methylphenanthrene	17.4	UG/KG	ND	<17.4	ND	ND
Naphthalene	34.2	UG/KG	ND	ND	ND	ND
Perylene	18.5	UG/KG	ND	ND	ND	ND
Phenanthrene	11.6	UG/KG	ND	ND	ND	ND
Pyrene	9.1	UG/KG	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	21.7	UG/KG	ND	ND	ND	ND

Analyte	MDL	Units	SD-19	SD-20	SD-21
			2010	2010	2010
			Avg	Avg	Avg
Acenaphthene	28.9	UG/KG	ND	ND	ND
Acenaphthylene	24.7	UG/KG	ND	ND	ND
Anthracene	25.3	UG/KG	ND	ND	ND
Benzo[A]anthracene	47.3	UG/KG	ND	ND	ND
Benzo[A]pyrene	42.9	UG/KG	ND	ND	ND
3,4-benzo(B)fluoranthene	30.2	UG/KG	ND	ND	ND
Benzo[e]pyrene	41.8	UG/KG	ND	ND	ND
Benzo[G,H,I]perylene	27.2	UG/KG	ND	ND	ND
Benzo[K]fluoranthene	32	UG/KG	ND	ND	ND
Biphenyl	38	UG/KG	ND	ND	ND
Chrysene	18.1	UG/KG	ND	ND	ND
Dibenzo(A,H)anthracene	37.6	UG/KG	ND	ND	ND
2,6-dimethylnaphthalene	21.7	UG/KG	ND	ND	ND
Fluoranthene	19.9	UG/KG	ND	ND	ND
Fluorene	27.3	UG/KG	ND	ND	ND
Indeno(1,2,3-CD)pyrene	25.6	UG/KG	ND	ND	ND
1-methylnaphthalene	27.9	UG/KG	ND	ND	ND
2-methylnaphthalene	35.8	UG/KG	ND	ND	ND
1-methylphenanthrene	17.4	UG/KG	ND	ND	ND
Naphthalene	34.2	UG/KG	ND	ND	ND
Perylene	18.5	UG/KG	ND	ND	ND
Phenanthrene	11.6	UG/KG	ND	ND	ND
Pyrene	9.1	UG/KG	ND	ND	ND
2,3,5-trimethylnaphthalene	21.7	UG/KG	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
FISH MUSCLE - Analysis of Poly Aromatic Hydrocarbon (PAH)

Annual 2010

Analyte	MDL	Units	RF-3	RF-4
			2010	2010
			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

SOUTH BAY WATER RECLAMATION PLANT
FISH LIVER - Analysis of Poly Chlorinated Biphenyls

Annual 2010

Analyte	MDL	Units	SD-15	SD-16	SD-17	SD-18	SD-19	SD-20	SD-21
			2010 Value	2010 Value	2010 Value	2010 Value	2010 Value	2010 Value	2010 Value
PCB 18	2.86	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 28	2.47	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 49	5.02	UG/KG	ND	ND	<5.0	<5.0	<5.0	<5.0	<5.0
PCB 37	2.77	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 70	2.49	UG/KG	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
PCB 101	4.34	UG/KG	<4.3	<4.3	E4.7	E6.9	E6.4	5.2	E5.4
PCB 119	2.39	UG/KG	ND	ND	ND	<2.4	ND	ND	ND
PCB 87	3.01	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 110	2.5	UG/KG	ND	ND	<2.5	3.5	3.5	<2.5	<2.5
PCB 151	1.86	UG/KG	<1.9	<1.9	<1.9	3.9	4.2	2.4	2.1
PCB 77	2.01	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 149	2.34	UG/KG	<2.3	E2.8	E3.3	E6.4	E6.9	5.1	E5.5
PCB 123	2.64	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 118	2.06	UG/KG	4.5	5.6	7.1	10.5	12.3	E12.1	9.6
PCB 114	3.15	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 153/168	2.54	UG/KG	E12.7	24.1	21.7	33.5	39.2	39.3	33.6
PCB 105	2.29	UG/KG	ND	<2.3	<2.3	E2.5	E3.1	<2.3	<2.3
PCB 138	1.73	UG/KG	6.1	11.3	10.6	16.7	20.3	20.5	18.3
PCB 158	2.72	UG/KG	ND	ND	<2.7	<2.7	<2.7	ND	ND
PCB 187	2.5	UG/KG	4.3	9.2	7.8	13.0	16.0	E14.8	13.8
PCB 183	1.55	UG/KG	ND	1.7	<1.6	5.0	5.5	3.0	E3.8
PCB 126	1.52	UG/KG	ND	ND	ND	ND	2.3	ND	ND
PCB 128	1.23	UG/KG	ND	ND	<1.2	3.9	5.2	3.8	3.0
PCB 167	1.63	UG/KG	ND	<1.6	ND	<1.6	2.5	ND	<1.6
PCB 177	1.91	UG/KG	ND	ND	<1.9	<1.9	<1.9	2.2	E2.2
PCB 156	.64	UG/KG	ND	ND	ND	1.1	2.7	ND	1.7
PCB 157	2.88	UG/KG	ND	ND	ND	<2.9	<2.9	ND	<2.9
PCB 180	2.58	UG/KG	2.9	E9.2	7.3	13.1	14.7	E12.7	11.5
PCB 170	1.23	UG/KG	ND	1.6	<1.2	4.2	5.5	4.1	E5.2
PCB 169	2.76	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 189	1.78	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 194	1.14	UG/KG	1.6	2.6	2.2	7.0	6.1	E3.8	4.6
PCB 206	1.28	UG/KG	ND	<1.3	<1.3	2.9	3.0	ND	2.3

ND= not detected

NA= not analyzed

NS= not sampled

E = Estimated analyte concentration below calibration range.

SOUTH BAY WATER RECLAMATION PLANT
FISH MUSCLE - Analysis of Poly Chlorinated Biphenyls

Annual 2010

Analyte	MDL Units	RF-3	RF-4
		2010	2010
		Avg	Avg
=====	====	=====	=====
PCB 18	.29 UG/KG	ND	ND
PCB 28	.28 UG/KG	ND	ND
PCB 49	.5 UG/KG	ND	ND
PCB 37	.25 UG/KG	ND	ND
PCB 70	.25 UG/KG	ND	<0.3
PCB 101	.43 UG/KG	<0.4	<0.4
PCB 119	.24 UG/KG	ND	ND
PCB 87	.3 UG/KG	ND	ND
PCB 110	.25 UG/KG	ND	<0.3
PCB 151	.19 UG/KG	ND	<0.2
PCB 77	.2 UG/KG	ND	ND
PCB 149	.23 UG/KG	<0.2	<0.2
PCB 123	.26 UG/KG	ND	ND
PCB 118	.21 UG/KG	<0.2	0.4
PCB 114	.31 UG/KG	ND	ND
PCB 153/168	.25 UG/KG	E0.4	1.3
PCB 105	.23 UG/KG	ND	<0.2
PCB 138	.17 UG/KG	<0.2	0.4
PCB 158	.27 UG/KG	ND	ND
PCB 187	.25 UG/KG	<0.3	0.4
PCB 183	.15 UG/KG	ND	<0.2
PCB 126	.15 UG/KG	ND	ND
PCB 128	.12 UG/KG	ND	<0.1
PCB 167	.16 UG/KG	ND	ND
PCB 177	.19 UG/KG	ND	<0.2
PCB 156	.06 UG/KG	ND	ND
PCB 157	.29 UG/KG	ND	ND
PCB 180	.26 UG/KG	<0.3	0.6
PCB 170	.12 UG/KG	ND	<0.1
PCB 169	.28 UG/KG	ND	ND
PCB 189	.18 UG/KG	ND	ND
PCB 194	.11 UG/KG	<0.1	E0.2
PCB 206	.13 UG/KG	ND	ND

ND= not detected

E = Estimated analyte concentration below calibration range.