V. Ocean Monitoring Data Summary

A. Ocean Sediment Chemistry Data Tables.
B. Fish Tissue Chemistry Data Tables.
C. Seawaters Chemistry Data Tables.

This page is left blank intentionally

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

Summary of Sampling Technique[6]:

Sediments

Benthic sediment is obtained using a $0.1m^2$, chain-rigged Tandem van Veen grab sampler deployed from a City ocean monitoring vessel. Sediment samples are collected from the top 2 cm of an undisturbed grab surface and then placed into an appropriately labeled sample container. Subsamples are placed on ice and subsequently shipped to the laboratory for chemical analysis. Preservatives are used in accordance with the requirements of 40 CFR and our Quality Assurance Plan. Sediment concentrations are based on the dry weight of a 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.

6 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 2011

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.

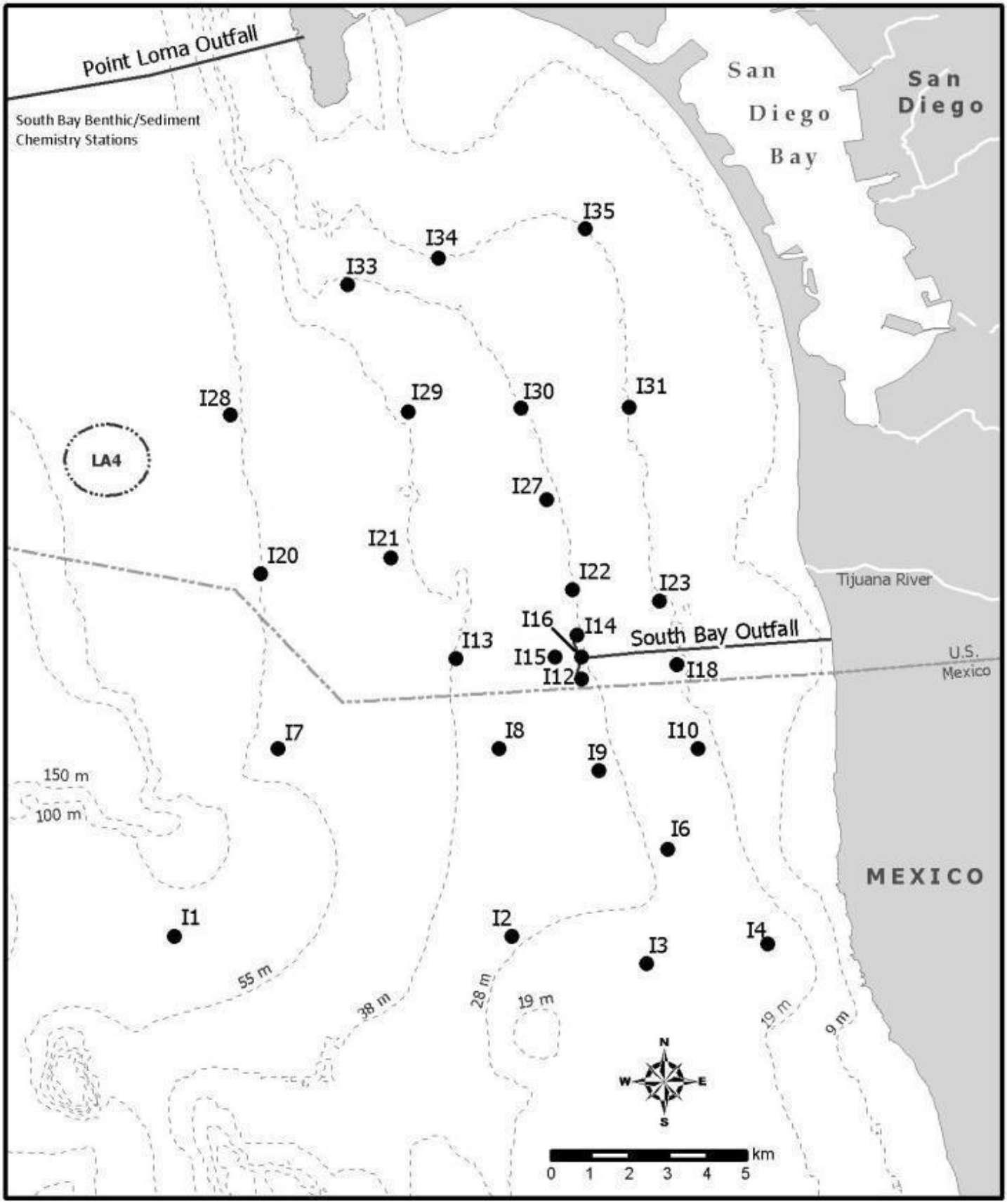
Station

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

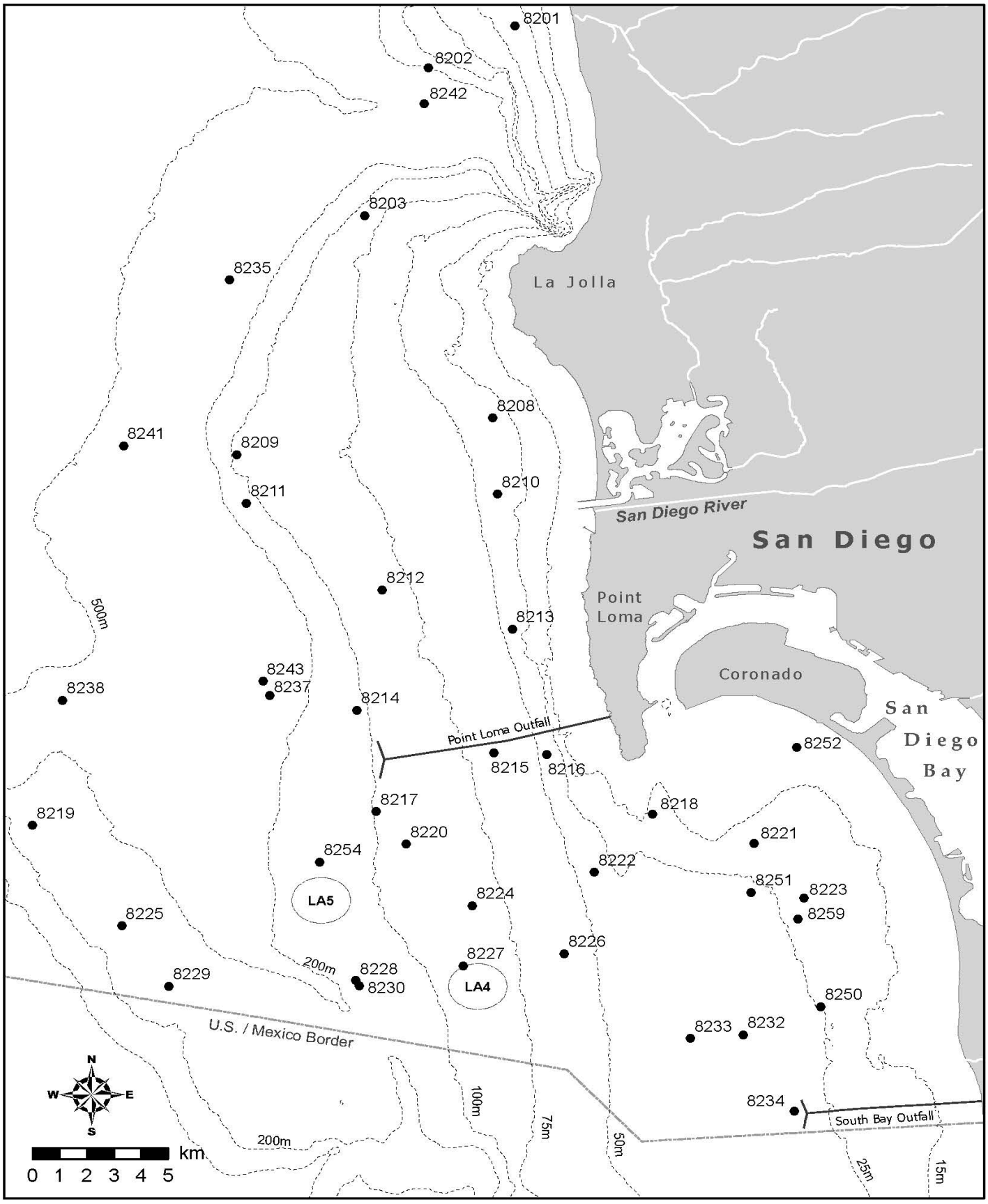
2012 Random Stations

Station	Sample Date	Station	Sample Date	Station	Sample Date
8201	19-Jul-12	8219	17-Jul-12	8234	9-Jul-12
8202	19-Jul-12	8220	23-Jul-12	8235	23-Jul-12
8203	23-Jul-12	8221	16-Jul-12	8237	23-Jul-12
8208	19-Jul-12	8222	17-Jul-12	8238	17-Jul-12
8209	23-Jul-12	8223	16-Jul-12	8241	23-Jul-12
8210	19-Jul-12	8224	24-Jul-12	8242	19-Jul-12
8211	23-Jul-12	8225	17-Jul-12	8243	24-Jul-12
8212	23-Jul-12	8226	17-Jul-12	8250	16-Jul-12
8213	19-Jul-12	8227	17-Jul-12	8251	24-Jul-12
8214	23-Jul-12	8228	17-Jul-12	8252	24-Jul-12
8215	19-Jul-12	8229	17-Jul-12	8254	24-Jul-12
8216	19-Jul-12	8230	17-Jul-12	8259	24-Jul-12
8217	23-Jul-12	8232	16-Jul-12		
8218	19-Jul-12	8233	9-Jul-12		

SBWRP Regular Fixed Grid Ocean sediment (benthic) stations



2012 Randomly Selected Regional Stations



SOUTH BAY OCEAN OUTFALL MONITORING
SEDIMENT ANNUAL - International Stations

Sulfide and Total Volatile Solids Analysis

Annual 2012

Source:			I-1	I-2	I-3	I-4	I-6	I-7	I-8	I-9	I-10
Date:			2012	2012	2012	2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
Sulfides-Total	.14	MG/KG	1.46	0.57	0.39	<0.14	0.72	0.37	2.46	2.77	1.26
Total Volatile Solids	.11	WT%	1.05	0.42	0.39	0.34	0.40	0.46	0.48	1.24	0.79

Source:			I-12	I-13	I-14	I-15	I-16	I-18	I-20	I-21	I-22
Date:			2012	2012	2012	2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
Sulfides-Total	.14	MG/KG	0.63	<0.14	1.51	0.82	0.88	1.91	0.30	1.09	1.67
Total Volatile Solids	.11	WT%	0.53	0.63	1.04	0.66	0.61	0.74	0.48	0.50	0.96

Source:			I-23	I-27	I-28	I-29	I-30	I-31	I-33	I-34	I-35
Date:			2012	2012	2012	2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
Sulfides-Total	.14	MG/KG	2.72	2.50	2.13	2.80	3.12	2.58	3.72	1.49	6.88
Total Volatile Solids	.11	WT%	1.04	1.04	1.69	1.71	1.24	0.67	1.50	0.76	1.39

nd=not detected

SOUTH BAY OCEAN OUTFALL MONITORING
SEDIMENT ANNUAL - International Stations

Grain Size
(all values are in percent distribution)

ANNUAL 2012

Source:			I-1	I-2	I-3	I-6	I-7
Sample ID:			P601570	P601581	P601589	P601603	P601605
Analyte	MDL	Units	03-JAN-2012	03-JAN-2012	03-JAN-2012	03-JAN-2012	03-JAN-2012
<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			0.005	0.000	0.000	0.000	0.000
>2.0 to 2.4 microns			0.124	0.000	0.000	0.000	0.044
>2.4 to 2.9 microns, Phi 8.5			0.198	0.000	0.000	0.102	0.173
>2.9 to 3.4 microns			0.211	0.000	0.000	0.176	0.197
>3.4 to 3.9 microns, Phi 8			0.233	0.000	0.000	0.199	0.232
>3.9 to 4 microns			0.050	0.000	0.000	0.042	0.050
>4.0 to 4.3 microns			0.143	0.000	0.000	0.122	0.144
>4.3 to 4.5 microns			0.093	0.000	0.000	0.079	0.093
>4.5 to 5 microns			0.252	0.000	0.000	0.215	0.260
>5 to 5.5 microns			0.252	0.000	0.000	0.214	0.260
>5.5 to 5.7 microns			0.098	0.000	0.000	0.083	0.101
>5.7 to 5.9 microns, Phi 7.5			0.097	0.000	0.000	0.082	0.100
>5.9 to 7.8 microns, Phi 7			0.927	0.000	0.000	0.780	0.956
>7.8 to 8 microns			0.093	0.000	0.000	0.078	0.094
>8 to 8.5 microns			0.223	0.000	0.000	0.188	0.225
>8.5 to 8.9 microns			0.171	0.007	0.000	0.144	0.171
>8.9 to 9.1 microns			0.085	0.017	0.000	0.072	0.084
>9.1 to 9.5 microns			0.165	0.033	0.000	0.140	0.162
>9.5 to 9.8 microns			0.119	0.024	0.000	0.101	0.117
>9.8 to 10.1 microns			0.116	0.023	0.000	0.098	0.114
>10.1 to 10.6 microns			0.194	0.039	0.000	0.165	0.187
>10.6 to 11.1 microns			0.186	0.037	0.000	0.158	0.179
>11.1 to 11.3 microns			0.072	0.014	0.000	0.061	0.069
>11.3 to 11.7 microns, Phi 6.5			0.139	0.028	0.000	0.119	0.132
>11.7 to 14 microns			0.698	0.145	0.000	0.611	0.638
>14 to 14.8 microns			0.213	0.045	0.000	0.190	0.190
>14.8 to 15.6 microns			0.198	0.041	0.000	0.179	0.169
>15.6 to 16 microns			0.093	0.019	0.000	0.085	0.077
>16 to 20 microns			0.788	0.063	0.000	0.742	0.627
>20 to 23 microns, Phi 5.5			0.444	0.000	0.000	0.446	0.317
>23 to 27 microns			0.467	0.000	0.000	0.499	0.296
>27 to 31 microns, Phi 5			0.387	0.000	0.000	0.437	0.210
>31 to 32 microns			0.090	0.000	0.000	0.104	0.042
>32 to 35.6 microns			0.314	0.000	0.000	0.364	0.135
>35.6 to 37 microns, Phi 4.75			0.122	0.000	0.000	0.141	0.045
>37 to 39.6 microns			0.223	0.000	0.000	0.254	0.078
>39.6 to 43.6 microns			0.391	0.000	0.000	0.417	0.104
>43.6 to 44 microns, Phi 4.5			0.037	0.000	0.000	0.040	0.010
>44 to 45 microns			0.094	0.000	0.000	0.099	0.024
>45 to 46.4 microns			0.177	0.000	0.000	0.160	0.033
>46.4 to 53 microns, Phi 4.25			0.857	0.000	0.000	0.726	0.142
>53 to 62.5 microns, Phi 4			1.780	0.000	0.000	1.090	0.186
>62.5 to 64 microns			0.339	0.000	0.000	0.171	0.028
>64 to 71.7 microns			2.160	0.051	0.000	0.867	0.145

SOUTH BAY OCEAN OUTFALL MONITORING
SEDIMENT ANNUAL - International Stations

Grain Size
(all values are in percent distribution)

ANNUAL 2012

Source:			I-1	I-2	I-3	I-6	I-7
Sample ID:			P601570	P601581	P601589	P601603	P601605
Analyte	MDL	Units	03-JAN-2012	03-JAN-2012	03-JAN-2012	03-JAN-2012	03-JAN-2012
>71.7 to 74 microns			0.735	0.027	0.000	0.252	0.043
>74 to 79.6 microns			2.090	0.075	0.025	0.599	0.106
>79.6 to 87.6 microns			3.530	0.123	0.082	0.818	0.153
>87.6 to 88 microns, Phi 3.5			0.168	0.006	0.004	0.039	0.007
>88 to 90 microns			1.110	0.042	0.027	0.201	0.042
>90 to 105 microns, Phi 3.25			9.040	0.384	0.243	1.430	0.331
>105 to 125 microns, Phi 3			13.800	0.885	0.562	1.850	0.544
>125 to 149 microns, Phi 2.75			15.700	1.850	1.250	2.320	0.877
>149 to 160 microns			6.090	1.360	0.994	1.220	0.564
>160 to 177 microns, Phi 2.5			8.150	2.430	1.850	1.970	0.987
>177 to 197 microns			7.120	3.910	3.220	2.740	1.590
>197 to 210 microns, Phi 2.25			3.340	3.240	2.870	2.160	1.450
>210 to 217 microns			1.570	1.800	1.620	1.190	0.826
>217 to 245 microns			4.710	7.880	7.420	5.400	4.220
>245 to 250 microns, Phi 2			0.638	1.470	1.430	1.030	0.857
>250 to 300 microns, Phi 1.75			4.180	14.700	14.700	11.700	11.100
>300 to 320 microns			0.799	5.280	5.520	5.420	6.080
>320 to 350 microns, Phi 1.5			1.020	7.160	7.520	7.660	8.810
>350 to 360 microns			0.216	2.020	2.160	2.550	3.190
>360 to 400 microns			0.772	7.400	7.900	9.410	11.900
>400 to 420 microns, Phi 1.25			0.250	2.940	3.170	4.010	5.370
>420 to 440 microns			0.239	2.800	3.020	3.830	5.120
>440 to 500 microns, Phi 1			0.507	6.690	7.260	8.460	11.600
>500 to 590 microns, Phi 0.75			0.124	7.280	7.940	7.210	9.790
>590 to 630 microns			0.000	2.350	2.570	1.440	1.860
>630 to 696 microns			0.000	3.370	3.680	1.800	2.310
>696 to 710 microns, Phi 0.5			0.000	0.582	0.635	0.206	0.252
>710 to 773 microns			0.000	2.490	2.710	0.878	1.080
>773 to 840 microns, Phi 0.25			0.000	2.010	2.180	0.473	0.557
>840 to 850 microns			0.000	0.281	0.306	0.064	0.074
>850 to 930 microns			0.000	1.890	2.060	0.379	0.443
>930 to 1000 microns, Phi 0			0.000	1.320	1.430	0.217	0.254
1000 to 1100 microns			0.000	1.260	1.370	0.058	0.068
>1100 to 1190 microns, Phi -0.25			0.000	0.844	0.916	0.000	0.000
>1190 to 1300 microns			0.000	0.592	0.642	0.000	0.000
>1300 to 1410 microns, Phi -0.5			0.000	0.387	0.383	0.000	0.000
>1410 to 1680 microns, Phi -0.75			0.000	0.308	0.278	0.000	0.000
>1680 to 2000 microns, Phi -1			0.000	0.000	0.000	0.000	0.000
>2000*			ND	ND	ND	ND	ND
Totals:			100.016	100.022	99.947	100.024	100.095

*=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 - International Stations

Grain Size
(all values are in percent distribution)

ANNUAL 2012

Source:			I-8	I-9	I-10	I-12	I-13
Sample ID:			P601612	P601618	P601578	P602229	P602236
Analyte	MDL	Units	03-JAN-2012	03-JAN-2012	03-JAN-2012	04-JAN-2012	04-JAN-2012
<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	0.008	0.000	0.000	0.000
>2.0 to 2.4 microns			0.000	0.156	0.000	0.000	0.000
>2.4 to 2.9 microns, Phi 8.5			0.000	0.199	0.000	0.000	0.000
>2.9 to 3.4 microns			0.000	0.202	0.108	0.000	0.000
>3.4 to 3.9 microns, Phi 8			0.000	0.213	0.132	0.000	0.000
>3.9 to 4 microns			0.000	0.044	0.028	0.000	0.000
>4.0 to 4.3 microns			0.000	0.126	0.081	0.000	0.000
>4.3 to 4.5 microns			0.006	0.081	0.052	0.000	0.000
>4.5 to 5 microns			0.094	0.213	0.139	0.000	0.000
>5 to 5.5 microns			0.094	0.208	0.139	0.054	0.000
>5.5 to 5.7 microns			0.036	0.080	0.054	0.027	0.000
>5.7 to 5.9 microns, Phi 7.5			0.036	0.079	0.053	0.027	0.000
>5.9 to 7.8 microns, Phi 7			0.341	0.726	0.508	0.251	0.000
>7.8 to 8 microns			0.034	0.072	0.052	0.025	0.000
>8 to 8.5 microns			0.081	0.172	0.124	0.060	0.000
>8.5 to 8.9 microns			0.062	0.132	0.095	0.046	0.000
>8.9 to 9.1 microns			0.031	0.066	0.049	0.023	0.000
>9.1 to 9.5 microns			0.060	0.128	0.094	0.045	0.000
>9.5 to 9.8 microns			0.043	0.093	0.068	0.033	0.000
>9.8 to 10.1 microns			0.042	0.090	0.066	0.032	0.000
>10.1 to 10.6 microns			0.070	0.150	0.112	0.053	0.000
>10.6 to 11.1 microns			0.067	0.143	0.107	0.051	0.000
>11.1 to 11.3 microns			0.026	0.056	0.042	0.020	0.000
>11.3 to 11.7 microns, Phi 6.5			0.050	0.109	0.081	0.039	0.000
>11.7 to 14 microns			0.254	0.571	0.427	0.203	0.000
>14 to 14.8 microns			0.078	0.180	0.134	0.064	0.000
>14.8 to 15.6 microns			0.071	0.175	0.129	0.061	0.000
>15.6 to 16 microns			0.034	0.086	0.062	0.030	0.000
>16 to 20 microns			0.284	0.781	0.552	0.266	0.000
>20 to 23 microns, Phi 5.5			0.158	0.526	0.347	0.169	0.000
>23 to 27 microns			0.162	0.686	0.413	0.204	0.000
>27 to 31 microns, Phi 5			0.127	0.733	0.395	0.198	0.000
>31 to 32 microns			0.028	0.205	0.102	0.052	0.000
>32 to 35.6 microns			0.092	0.804	0.385	0.194	0.000
>35.6 to 37 microns, Phi 4.75			0.033	0.366	0.166	0.083	0.000
>37 to 39.6 microns			0.057	0.698	0.313	0.156	0.000
>39.6 to 43.6 microns			0.083	1.480	0.632	0.311	0.000
>43.6 to 44 microns, Phi 4.5			0.008	0.140	0.060	0.029	0.000
>44 to 45 microns			0.020	0.360	0.154	0.075	0.000
>45 to 46.4 microns			0.028	0.789	0.336	0.157	0.000
>46.4 to 53 microns, Phi 4.25			0.126	3.910	1.710	0.774	0.000
>53 to 62.5 microns, Phi 4			0.179	8.260	4.070	1.640	0.000
>62.5 to 64 microns			0.028	1.520	0.813	0.308	0.000
>64 to 71.7 microns			0.151	8.570	5.250	1.820	0.053

SOUTH BAY OCEAN OUTFALL MONITORING
SEDIMENT ANNUAL - International Stations

Grain Size
(all values are in percent distribution)

ANNUAL 2012

Source:			I-8	I-9	I-10	I-12	I-13
Sample ID:			P601612	P601618	P601578	P602229	P602236
Analyte	MDL	Units	03-JAN-2012	03-JAN-2012	03-JAN-2012	04-JAN-2012	04-JAN-2012
>71.7 to 74 microns			0.046	2.700	1.800	0.593	0.028
>74 to 79.6 microns			0.118	6.560	4.910	1.530	0.073
>79.6 to 87.6 microns			0.180	9.280	7.970	2.340	0.112
>87.6 to 88 microns, Phi 3.5			0.009	0.441	0.379	0.111	0.005
>88 to 90 microns			0.053	2.120	2.170	0.615	0.033
>90 to 105 microns, Phi 3.25			0.435	13.900	15.900	4.510	0.270
>105 to 125 microns, Phi 3			0.781	12.300	17.200	5.690	0.469
>125 to 149 microns, Phi 2.75			1.300	8.320	13.300	6.360	0.747
>149 to 160 microns			0.827	2.200	3.760	2.890	0.455
>160 to 177 microns, Phi 2.5			1.420	2.500	4.380	4.320	0.772
>177 to 197 microns			2.180	1.710	3.070	5.130	1.160
>197 to 210 microns, Phi 2.25			1.820	0.707	1.280	3.340	0.981
>210 to 217 microns			1.020	0.313	0.569	1.760	0.549
>217 to 245 microns			4.660	0.901	1.640	6.730	2.620
>245 to 250 microns, Phi 2			0.896	0.115	0.211	1.150	0.516
>250 to 300 microns, Phi 1.75			9.900	0.743	1.370	10.200	6.250
>300 to 320 microns			4.340	0.145	0.270	3.210	3.270
>320 to 350 microns, Phi 1.5			6.120	0.187	0.348	4.310	4.790
>350 to 360 microns			2.010	0.042	0.080	1.180	1.810
>360 to 400 microns			7.520	0.153	0.288	4.310	6.930
>400 to 420 microns, Phi 1.25			3.460	0.055	0.103	1.710	3.680
>420 to 440 microns			3.300	0.052	0.098	1.630	3.510
>440 to 500 microns, Phi 1			8.730	0.123	0.228	3.940	10.400
>500 to 590 microns, Phi 0.75			10.400	0.031	0.058	4.420	13.800
>590 to 630 microns			3.520	0.000	0.000	1.500	5.100
>630 to 696 microns			5.050	0.000	0.000	2.180	7.400
>696 to 710 microns, Phi 0.5			0.870	0.000	0.000	0.392	1.300
>710 to 773 microns			3.720	0.000	0.000	1.680	5.560
>773 to 840 microns, Phi 0.25			2.920	0.000	0.000	1.410	4.330
>840 to 850 microns			0.409	0.000	0.000	0.199	0.606
>850 to 930 microns			2.700	0.000	0.000	1.180	3.930
>930 to 1000 microns, Phi 0			1.830	0.000	0.000	0.677	2.600
1000 to 1100 microns			1.700	0.000	0.000	0.574	2.300
>1100 to 1190 microns, Phi -0.25			1.110	0.000	0.000	0.364	1.460
>1190 to 1300 microns			0.742	0.000	0.000	0.255	0.914
>1300 to 1410 microns, Phi -0.5			0.433	0.000	0.000	0.082	0.518
>1410 to 1680 microns, Phi -0.75			0.306	0.000	0.000	0.000	0.568
>1680 to 2000 microns, Phi -1			0.000	0.000	0.000	0.000	0.102
>2000*			ND	ND	ND	ND	ND
Totals:			100.009	99.984	100.016	100.052	99.971

*=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 - International Stations

Grain Size
(all values are in percent distribution)

ANNUAL 2012

Source:			I-14	I-15	I-16	I-18	I-20
Sample ID:			P602239	P602244	P602252	P602254	P601588
Analyte	MDL	Units	04-JAN-2012	04-JAN-2012	04-JAN-2012	04-JAN-2012	03-JAN-2012
<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			0.045	0.000	0.000	0.000	0.000
>2.4 to 2.9 microns, Phi 8.5			0.167	0.000	0.000	0.000	0.099
>2.9 to 3.4 microns			0.171	0.000	0.108	0.114	0.173
>3.4 to 3.9 microns, Phi 8			0.179	0.000	0.133	0.140	0.197
>3.9 to 4 microns			0.038	0.000	0.028	0.029	0.042
>4.0 to 4.3 microns			0.107	0.000	0.080	0.084	0.121
>4.3 to 4.5 microns			0.069	0.000	0.052	0.054	0.079
>4.5 to 5 microns			0.181	0.000	0.137	0.142	0.216
>5 to 5.5 microns			0.178	0.000	0.135	0.140	0.215
>5.5 to 5.7 microns			0.069	0.000	0.052	0.054	0.083
>5.7 to 5.9 microns, Phi 7.5			0.068	0.000	0.051	0.053	0.082
>5.9 to 7.8 microns, Phi 7			0.629	0.000	0.479	0.494	0.777
>7.8 to 8 microns			0.063	0.000	0.048	0.049	0.076
>8 to 8.5 microns			0.150	0.000	0.114	0.118	0.181
>8.5 to 8.9 microns			0.115	0.000	0.087	0.090	0.138
>8.9 to 9.1 microns			0.058	0.000	0.044	0.045	0.068
>9.1 to 9.5 microns			0.112	0.000	0.085	0.088	0.131
>9.5 to 9.8 microns			0.081	0.000	0.061	0.064	0.095
>9.8 to 10.1 microns			0.079	0.000	0.059	0.062	0.092
>10.1 to 10.6 microns			0.132	0.000	0.099	0.104	0.151
>10.6 to 11.1 microns			0.126	0.000	0.095	0.099	0.144
>11.1 to 11.3 microns			0.049	0.000	0.037	0.038	0.056
>11.3 to 11.7 microns, Phi 6.5			0.095	0.000	0.071	0.075	0.106
>11.7 to 14 microns			0.501	0.000	0.369	0.391	0.517
>14 to 14.8 microns			0.157	0.000	0.115	0.123	0.154
>14.8 to 15.6 microns			0.152	0.000	0.109	0.118	0.140
>15.6 to 16 microns			0.075	0.000	0.053	0.058	0.064
>16 to 20 microns			0.670	0.000	0.464	0.514	0.530
>20 to 23 microns, Phi 5.5			0.440	0.000	0.289	0.333	0.279
>23 to 27 microns			0.556	0.000	0.345	0.413	0.275
>27 to 31 microns, Phi 5			0.572	0.000	0.333	0.416	0.213
>31 to 32 microns			0.156	0.000	0.087	0.112	0.046
>32 to 35.6 microns			0.602	0.000	0.329	0.428	0.156
>35.6 to 37 microns, Phi 4.75			0.268	0.000	0.142	0.189	0.057
>37 to 39.6 microns			0.512	0.000	0.269	0.359	0.101
>39.6 to 43.6 microns			1.070	0.000	0.547	0.748	0.157
>43.6 to 44 microns, Phi 4.5			0.102	0.000	0.052	0.071	0.015
>44 to 45 microns			0.262	0.001	0.133	0.182	0.037
>45 to 46.4 microns			0.582	0.023	0.289	0.408	0.060
>46.4 to 53 microns, Phi 4.25			2.930	0.105	1.450	2.080	0.276
>53 to 62.5 microns, Phi 4			6.610	0.161	3.310	4.950	0.461
>62.5 to 64 microns			1.270	0.026	0.646	0.985	0.079
>64 to 71.7 microns			7.560	0.140	4.020	6.240	0.460

SOUTH BAY OCEAN OUTFALL MONITORING
SEDIMENT ANNUAL - International Stations

Grain Size
(all values are in percent distribution)

ANNUAL 2012

Source:			I-14	I-15	I-16	I-18	I-20
Sample ID:			P602239	P602244	P602252	P602254	P601588
Analyte	MDL	Units	04-JAN-2012	04-JAN-2012	04-JAN-2012	04-JAN-2012	03-JAN-2012
>71.7 to 74 microns			2.470	0.042	1.350	2.110	0.147
>74 to 79.6 microns			6.240	0.107	3.600	5.640	0.399
>79.6 to 87.6 microns			9.280	0.160	5.710	8.920	0.642
>87.6 to 88 microns, Phi 3.5			0.442	0.008	0.271	0.425	0.031
>88 to 90 microns			2.230	0.046	1.550	2.330	0.200
>90 to 105 microns, Phi 3.25			15.100	0.364	11.500	16.500	1.680
>105 to 125 microns, Phi 3			14.000	0.638	13.900	16.600	3.090
>125 to 149 microns, Phi 2.75			9.820	1.110	13.200	12.000	5.080
>149 to 160 microns			2.640	0.766	4.650	3.190	3.040
>160 to 177 microns, Phi 2.5			3.030	1.370	6.080	3.620	5.020
>177 to 197 microns			2.110	2.280	5.320	2.440	6.930
>197 to 210 microns, Phi 2.25			0.883	2.060	2.600	0.995	4.920
>210 to 217 microns			0.393	1.170	1.240	0.438	2.650
>217 to 245 microns			1.140	5.580	3.920	1.250	10.400
>245 to 250 microns, Phi 2			0.148	1.100	0.560	0.159	1.810
>250 to 300 microns, Phi 1.75			0.966	12.300	3.970	1.020	15.900
>300 to 320 microns			0.194	5.220	0.893	0.202	4.730
>320 to 350 microns, Phi 1.5			0.250	7.250	1.160	0.261	6.240
>350 to 360 microns			0.058	2.250	0.270	0.061	1.550
>360 to 400 microns			0.209	8.300	0.969	0.219	5.540
>400 to 420 microns, Phi 1.25			0.075	3.550	0.336	0.080	1.860
>420 to 440 microns			0.071	3.380	0.320	0.077	1.780
>440 to 500 microns, Phi 1			0.167	8.460	0.696	0.182	3.560
>500 to 590 microns, Phi 0.75			0.043	9.580	0.543	0.046	2.940
>590 to 630 microns			0.000	3.140	0.011	0.000	0.658
>630 to 696 microns			0.000	4.500	0.000	0.000	0.853
>696 to 710 microns, Phi 0.5			0.000	0.770	0.000	0.000	0.107
>710 to 773 microns			0.000	3.290	0.000	0.000	0.456
>773 to 840 microns, Phi 0.25			0.000	2.590	0.000	0.000	0.260
>840 to 850 microns			0.000	0.362	0.000	0.000	0.035
>850 to 930 microns			0.000	2.390	0.000	0.000	0.137
>930 to 1000 microns, Phi 0			0.000	1.620	0.000	0.000	0.000
1000 to 1100 microns			0.000	1.500	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25			0.000	0.980	0.000	0.000	0.000
>1190 to 1300 microns			0.000	0.661	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5			0.000	0.389	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75			0.000	0.278	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1			0.000	0.000	0.000	0.000	0.000
>2000*			ND	ND	ND	ND	ND
Totals:			99.967	100.017	100.025	100.019	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 ANNUAL - International Stations

Grain Size
(all values are in percent distribution)

ANNUAL 2012

Source:			I-21	I-22	I-27	I-29	I-30
Sample ID:			P602262	P602265	P602335	P602342	P602345
Analyte	MDL	Units	04-JAN-2012	04-JAN-2012	05-JAN-2012	05-JAN-2012	05-JAN-2012
<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	0.103	0.000
>1.5 to 2 microns, Phi 9			0.000	0.007	0.008	0.307	0.115
>2.0 to 2.4 microns			0.000	0.148	0.155	0.268	0.175
>2.4 to 2.9 microns, Phi 8.5			0.000	0.192	0.194	0.346	0.220
>2.9 to 3.4 microns			0.000	0.199	0.195	0.355	0.221
>3.4 to 3.9 microns, Phi 8			0.000	0.213	0.202	0.377	0.230
>3.9 to 4 microns			0.000	0.045	0.041	0.078	0.047
>4.0 to 4.3 microns			0.000	0.129	0.119	0.223	0.136
>4.3 to 4.5 microns			0.000	0.083	0.076	0.143	0.087
>4.5 to 5 microns			0.000	0.222	0.198	0.376	0.227
>5 to 5.5 microns			0.000	0.221	0.193	0.369	0.222
>5.5 to 5.7 microns			0.000	0.085	0.074	0.142	0.085
>5.7 to 5.9 microns, Phi 7.5			0.000	0.084	0.073	0.139	0.084
>5.9 to 7.8 microns, Phi 7			0.000	0.798	0.667	1.290	0.767
>7.8 to 8 microns			0.000	0.081	0.066	0.131	0.076
>8 to 8.5 microns			0.000	0.193	0.158	0.313	0.183
>8.5 to 8.9 microns			0.000	0.148	0.121	0.241	0.140
>8.9 to 9.1 microns			0.000	0.075	0.061	0.123	0.071
>9.1 to 9.5 microns			0.000	0.145	0.118	0.238	0.137
>9.5 to 9.8 microns			0.000	0.105	0.085	0.172	0.099
>9.8 to 10.1 microns			0.000	0.102	0.083	0.167	0.096
>10.1 to 10.6 microns			0.000	0.173	0.139	0.286	0.162
>10.6 to 11.1 microns			0.000	0.165	0.133	0.273	0.154
>11.1 to 11.3 microns			0.000	0.064	0.051	0.106	0.060
>11.3 to 11.7 microns, Phi 6.5			0.000	0.125	0.101	0.209	0.117
>11.7 to 14 microns			0.000	0.655	0.534	1.130	0.623
>14 to 14.8 microns			0.000	0.206	0.169	0.363	0.198
>14.8 to 15.6 microns			0.000	0.198	0.165	0.359	0.193
>15.6 to 16 microns			0.000	0.097	0.082	0.179	0.096
>16 to 20 microns			0.000	0.859	0.742	1.660	0.871
>20 to 23 microns, Phi 5.5			0.000	0.550	0.504	1.170	0.594
>23 to 27 microns			0.000	0.668	0.658	1.550	0.776
>27 to 31 microns, Phi 5			0.000	0.653	0.694	1.620	0.816
>31 to 32 microns			0.000	0.171	0.191	0.434	0.224
>32 to 35.6 microns			0.000	0.641	0.739	1.620	0.863
>35.6 to 37 microns, Phi 4.75			0.000	0.275	0.330	0.685	0.384
>37 to 39.6 microns			0.000	0.517	0.627	1.270	0.727
>39.6 to 43.6 microns			0.000	1.020	1.300	2.320	1.490
>43.6 to 44 microns, Phi 4.5			0.000	0.097	0.123	0.220	0.142
>44 to 45 microns			0.000	0.247	0.316	0.554	0.362
>45 to 46.4 microns			0.000	0.511	0.685	1.010	0.774
>46.4 to 53 microns, Phi 4.25			0.000	2.510	3.410	4.700	3.820
>53 to 62.5 microns, Phi 4			0.000	5.220	7.380	7.900	8.030
>62.5 to 64 microns			0.000	0.971	1.390	1.310	1.490
>64 to 71.7 microns			0.000	5.670	8.070	6.800	8.440

SOUTH BAY OCEAN OUTFALL MONITORING
SEDIMENT ANNUAL - International Stations

Grain Size
(all values are in percent distribution)

ANNUAL 2012

Source:			I-21	I-22	I-27	I-29	I-30
Sample ID:			P602262	P602265	P602335	P602342	P602345
Analyte	MDL	Units	04-JAN-2012	04-JAN-2012	05-JAN-2012	05-JAN-2012	05-JAN-2012
>71.7 to 74 microns			0.000	1.830	2.590	2.020	2.680
>74 to 79.6 microns			0.000	4.650	6.460	4.780	6.550
>79.6 to 87.6 microns			0.000	6.960	9.410	6.490	9.360
>87.6 to 88 microns, Phi 3.5			0.000	0.331	0.447	0.309	0.445
>88 to 90 microns			0.000	1.750	2.210	1.500	2.150
>90 to 105 microns, Phi 3.25			0.000	12.300	14.700	9.990	14.100
>105 to 125 microns, Phi 3			0.078	13.100	13.200	9.920	12.400
>125 to 149 microns, Phi 2.75			0.271	11.000	8.870	8.010	8.140
>149 to 160 microns			0.198	3.540	2.310	2.490	2.100
>160 to 177 microns, Phi 2.5			0.363	4.450	2.610	3.070	2.360
>177 to 197 microns			0.637	3.650	1.780	2.380	1.590
>197 to 210 microns, Phi 2.25			0.618	1.720	0.740	1.060	0.653
>210 to 217 microns			0.355	0.810	0.329	0.484	0.288
>217 to 245 microns			1.840	2.510	0.956	1.420	0.830
>245 to 250 microns, Phi 2			0.377	0.353	0.124	0.187	0.106
>250 to 300 microns, Phi 1.75			4.870	2.480	0.822	1.200	0.690
>300 to 320 microns			2.740	0.558	0.172	0.221	0.137
>320 to 350 microns, Phi 1.5			4.070	0.725	0.223	0.280	0.177
>350 to 360 microns			1.610	0.172	0.053	0.059	0.041
>360 to 400 microns			6.220	0.620	0.194	0.210	0.149
>400 to 420 microns, Phi 1.25			3.510	0.221	0.073	0.068	0.054
>420 to 440 microns			3.350	0.211	0.069	0.065	0.052
>440 to 500 microns, Phi 1			10.600	0.474	0.167	0.143	0.124
>500 to 590 microns, Phi 0.75			15.300	0.118	0.043	0.035	0.032
>590 to 630 microns			6.000	0.000	0.000	0.000	0.000
>630 to 696 microns			8.760	0.000	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5			1.560	0.000	0.000	0.000	0.000
>710 to 773 microns			6.650	0.000	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25			5.140	0.000	0.000	0.000	0.000
>840 to 850 microns			0.719	0.000	0.000	0.000	0.000
>850 to 930 microns			4.610	0.000	0.000	0.000	0.000
>930 to 1000 microns, Phi 0			3.000	0.000	0.000	0.000	0.000
1000 to 1100 microns			2.600	0.000	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25			1.630	0.000	0.000	0.000	0.000
>1190 to 1300 microns			0.998	0.000	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5			0.559	0.000	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75			0.606	0.000	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1			0.109	0.000	0.000	0.000	0.000
>2000*			ND	ND	ND	ND	ND
Totals:			99.948	100.071	99.972	100.020	100.032

*=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 - International Stations

Grain Size
(all values are in percent distribution)

ANNUAL 2012

Source:			I-31	I-33	I-35
Sample ID:			P602349	P602358	P602367
Analyte	MDL	Units	05-JAN-2012	05-JAN-2012	05-JAN-2012
<0.500 microns, Phi 11			0.000	0.000	0.000
>0.5 to 1 microns, Phi 10			0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5			0.000	0.000	0.106
>1.5 to 2 microns, Phi 9			0.000	0.008	0.291
>2.0 to 2.4 microns			0.000	0.161	0.231
>2.4 to 2.9 microns, Phi 8.5			0.000	0.215	0.278
>2.9 to 3.4 microns			0.107	0.228	0.269
>3.4 to 3.9 microns, Phi 8			0.130	0.250	0.268
>3.9 to 4 microns			0.028	0.053	0.055
>4.0 to 4.3 microns			0.079	0.153	0.158
>4.3 to 4.5 microns			0.051	0.098	0.101
>4.5 to 5 microns			0.136	0.266	0.259
>5 to 5.5 microns			0.135	0.265	0.258
>5.5 to 5.7 microns			0.052	0.102	0.100
>5.7 to 5.9 microns, Phi 7.5			0.052	0.101	0.098
>5.9 to 7.8 microns, Phi 7			0.494	0.961	0.941
>7.8 to 8 microns			0.050	0.096	0.103
>8 to 8.5 microns			0.120	0.231	0.247
>8.5 to 8.9 microns			0.092	0.177	0.193
>8.9 to 9.1 microns			0.047	0.089	0.104
>9.1 to 9.5 microns			0.090	0.171	0.201
>9.5 to 9.8 microns			0.065	0.124	0.146
>9.8 to 10.1 microns			0.063	0.120	0.141
>10.1 to 10.6 microns			0.107	0.203	0.261
>10.6 to 11.1 microns			0.102	0.193	0.249
>11.1 to 11.3 microns			0.040	0.075	0.097
>11.3 to 11.7 microns, Phi 6.5			0.078	0.145	0.197
>11.7 to 14 microns			0.403	0.741	1.170
>14 to 14.8 microns			0.126	0.229	0.402
>14.8 to 15.6 microns			0.120	0.215	0.418
>15.6 to 16 microns			0.058	0.103	0.217
>16 to 20 microns			0.509	0.886	2.150
>20 to 23 microns, Phi 5.5			0.315	0.526	1.730
>23 to 27 microns			0.370	0.584	2.490
>27 to 31 microns, Phi 5			0.352	0.512	2.630
>31 to 32 microns			0.091	0.123	0.688
>32 to 35.6 microns			0.343	0.438	2.460
>35.6 to 37 microns, Phi 4.75			0.148	0.174	0.988
>37 to 39.6 microns			0.281	0.320	1.790
>39.6 to 43.6 microns			0.582	0.573	2.950
>43.6 to 44 microns, Phi 4.5			0.055	0.054	0.280
>44 to 45 microns			0.142	0.137	0.698
>45 to 46.4 microns			0.322	0.263	1.130
>46.4 to 53 microns, Phi 4.25			1.660	1.280	5.130
>53 to 62.5 microns, Phi 4			4.180	2.690	7.760
>62.5 to 64 microns			0.857	0.516	1.230
>64 to 71.7 microns			5.690	3.310	6.280

SOUTH BAY OCEAN OUTFALL MONITORING
SEDIMENT ANNUAL - International Stations

Grain Size
(all values are in percent distribution)

ANNUAL 2012

Source:			I-31	I-33	I-35
Sample ID:			P602349	P602358	P602367
Analyte	MDL	Units	05-JAN-2012	05-JAN-2012	05-JAN-2012
>71.7 to 74 microns			1.980	1.130	1.840
>74 to 79.6 microns			5.460	3.190	4.350
>79.6 to 87.6 microns			8.950	5.370	5.910
>87.6 to 88 microns, Phi 3.5			0.426	0.256	0.281
>88 to 90 microns			2.420	1.640	1.380
>90 to 105 microns, Phi 3.25			17.500	12.900	9.260
>105 to 125 microns, Phi 3			17.900	17.200	9.270
>125 to 149 microns, Phi 2.75			12.700	15.800	7.410
>149 to 160 microns			3.280	4.940	2.270
>160 to 177 microns, Phi 2.5			3.660	5.970	2.770
>177 to 197 microns			2.390	4.350	2.130
>197 to 210 microns, Phi 2.25			0.957	1.830	0.946
>210 to 217 microns			0.416	0.818	0.434
>217 to 245 microns			1.180	2.350	1.290
>245 to 250 microns, Phi 2			0.148	0.301	0.173
>250 to 300 microns, Phi 1.75			0.941	1.920	1.150
>300 to 320 microns			0.184	0.364	0.232
>320 to 350 microns, Phi 1.5			0.238	0.465	0.298
>350 to 360 microns			0.056	0.103	0.067
>360 to 400 microns			0.202	0.370	0.242
>400 to 420 microns, Phi 1.25			0.075	0.128	0.084
>420 to 440 microns			0.072	0.122	0.080
>440 to 500 microns, Phi 1			0.173	0.276	0.179
>500 to 590 microns, Phi 0.75			0.044	0.069	0.045
>590 to 630 microns			0.000	0.000	0.000
>630 to 696 microns			0.000	0.000	0.000
>696 to 710 microns, Phi 0.5			0.000	0.000	0.000
>710 to 773 microns			0.000	0.000	0.000
>773 to 840 microns, Phi 0.25			0.000	0.000	0.000
>840 to 850 microns			0.000	0.000	0.000
>850 to 930 microns			0.000	0.000	0.000
>930 to 1000 microns, Phi 0			0.000	0.000	0.000
1000 to 1100 microns			0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25			0.000	0.000	0.000
>1190 to 1300 microns			0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5			0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75			0.000	0.000	0.000
>1680 to 2000 microns, Phi -1			0.000	0.000	0.000
>2000*			ND	ND	ND
Totals:			100.074	100.021	100.034

*=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 - International Stations

Grain Size
(all values are in percent distribution)

ANNUAL 2012

Source:			I-1	I-2	I-3	I-4	I-6	I-7	I-8
Sample ID:			P624492	P624503	P624511	P624517	P624525	P624527	P624534
Analyte	MDL	Units	05-JUL-2012	05-JUL-2012	05-JUL-2012	05-JUL-2012	05-JUL-2012	05-JUL-2012	05-JUL-2012
>0.5 to 1.0			0.000	0.000	0.000	0.000	0.000	0.000	0.000
>1.0 to 2.0			0.000	0.000	0.000	0.000	0.000	0.000	0.000
>2.0 to 3.9			0.455	0.000	0.000	0.000	0.000	0.000	0.000
>3.9 to 7.8			1.600	0.011	0.000	0.000	0.000	0.505	0.384
>7.8 to 15.6			2.480	0.671	0.000	0.000	0.348	0.739	0.845
>15.6 to 31			2.280	0.616	0.000	0.000	0.634	0.325	0.725
>31 to 62.5			4.600	0.181	0.000	0.629	0.895	0.171	0.702
>62.5 to 125			35.100	3.120	1.530	2.620	1.960	1.420	3.260
>125 to 250			47.000	32.800	25.700	5.290	12.000	6.100	23.700
>250 to 500			6.450	42.000	48.000	32.600	44.000	29.800	45.100
>500 to 1000			0.091	17.300	21.300	52.200	35.200	53.300	21.900
>1000 to 2000			0.000	3.260	3.520	6.660	4.920	7.680	3.340
>2000*			ND	ND	ND	ND	ND	ND	ND
Totals:			100.056	99.959	100.050	99.999	99.957	100.040	99.956

Source:			I-9	I-10	I-12	I-13	I-14	I-15	I-16
Sample ID:			P624540	P624500	P624788	P624796	P624799	P624804	P624809
Analyte	MDL	Units	05-JUL-2012	05-JUL-2012	09-JUL-2012	09-JUL-2012	09-JUL-2012	09-JUL-2012	09-JUL-2012
>0.5 to 1.0			0.000	0.000	0.000	0.000	0.000	0.000	0.000
>1.0 to 2.0			0.000	0.000	0.000	0.000	0.007	0.000	0.000
>2.0 to 3.9			0.620	0.236	0.258	0.000	0.738	0.420	0.000
>3.9 to 7.8			1.540	1.050	1.190	0.000	1.590	1.360	0.234
>7.8 to 15.6			2.150	1.600	1.830	0.000	2.300	2.050	0.743
>15.6 to 31			2.690	1.820	2.050	0.000	2.800	2.580	0.807
>31 to 62.5			17.000	8.060	6.840	0.000	13.800	10.200	2.000
>62.5 to 125			59.000	56.400	30.000	0.765	55.100	30.700	10.200
>125 to 250			15.700	27.900	36.700	8.410	20.900	34.200	35.800
>250 to 500			1.300	2.900	19.200	47.800	2.720	17.000	35.800
>500 to 1000			0.029	0.063	1.900	38.200	0.064	1.510	13.200
>1000 to 2000			0.000	0.000	0.000	4.780	0.000	0.000	1.190
>2000*			ND	ND	ND	ND	ND	ND	ND
Totals:			100.029	100.029	99.968	99.955	100.019	100.020	99.974

*=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 - International Stations

Grain Size
(all values are in percent distribution)

ANNUAL 2012

Source:			I-18	I-20	I-21	I-22	I-23	I-27	I-29
Sample ID:			P624813	P624510	P624821	P625653	P624822	P625660	P625666
Analyte	MDL	Units	09-JUL-2012	05-JUL-2012	09-JUL-2012	16-JUL-2012	09-JUL-2012	16-JUL-2012	16-JUL-2012
>0.5 to 1.0			0.000	0.000	0.000	0.000	0.000	0.000	0.000
>1.0 to 2.0			0.000	0.000	0.000	0.008	0.000	0.008	0.406
>2.0 to 3.9			0.229	0.000	0.113	0.814	0.627	0.752	1.400
>3.9 to 7.8			0.966	0.000	0.952	1.950	1.770	1.610	3.060
>7.8 to 15.6			1.490	0.000	1.380	3.000	2.910	2.400	4.530
>15.6 to 31			1.950	0.000	1.160	3.400	3.240	3.050	6.400
>31 to 62.5			10.200	0.000	0.879	12.500	10.400	15.300	20.700
>62.5 to 125			59.100	0.496	1.440	51.000	54.300	57.400	39.200
>125 to 250			23.800	7.250	8.670	24.100	24.200	17.600	19.300
>250 to 500			2.270	25.900	42.100	3.210	2.520	1.910	4.850
>500 to 1000			0.052	57.100	38.500	0.066	0.056	0.047	0.109
>1000 to 2000			0.000	9.220	4.820	0.000	0.000	0.000	0.000
>2000*			ND	ND	ND	ND	ND	ND	ND
Totals:			100.057	99.966	100.014	100.048	100.023	100.077	99.955

Source:			I-30	I-31	I-33	I-34	I-35
Sample ID:			P625669	P625674	P627273	P627279	P625679
Analyte	MDL	Units	16-JUL-2012	16-JUL-2012	19-JUL-2012	19-JUL-2012	16-JUL-2012
>0.5 to 1.0			0.000	0.000	0.000	0.000	0.000
>1.0 to 2.0			0.008	0.000	0.008	0.000	0.375
>2.0 to 3.9			0.874	0.254	0.842	0.000	1.130
>3.9 to 7.8			2.020	1.180	2.120	0.000	2.350
>7.8 to 15.6			2.920	1.720	3.070	0.231	4.250
>15.6 to 31			3.350	1.680	2.780	0.186	8.320
>31 to 62.5			15.800	7.570	6.080	0.554	22.600
>62.5 to 125			57.200	61.400	45.500	5.280	39.800
>125 to 250			16.200	24.700	36.500	43.200	18.600
>250 to 500			1.580	1.550	3.020	35.700	2.640
>500 to 1000			0.038	0.030	0.045	13.600	0.049
>1000 to 2000			0.000	0.000	0.000	1.320	0.000
>2000*			ND	ND	ND	ND	ND
Totals:			99.990	100.084	99.965	100.071	100.114

*=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 WATER RECLAMATION PLANT
SEDIMENT ANNUAL - International Stations

Total Organic Carbon/Total Nitrogen

Annual 2012

Source:			I-1	I-2	I-3	I-4	I-6	I-7
Date:			2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg
Total Nitrogen	.005	WT%	0.024	0.012	0.012	0.010	0.011	0.014
Total Organic Carbon	.01	WT%	0.162	0.035	0.034	0.088	0.034	0.043

Source:			I-8	I-9	I-10	I-12	I-13	I-14
Date:			2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg
Total Nitrogen	.005	WT%	0.012	0.027	0.022	0.018	0.010	0.026
Total Organic Carbon	.01	WT%	0.039	0.167	0.125	0.090	0.026	0.160

Source:			I-15	I-16	I-18	I-20	I-21	I-22
Date:			2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg
Total Nitrogen	.005	WT%	0.017	0.023	0.026	0.015	0.027	0.029
Total Organic Carbon	.01	WT%	0.080	0.083	0.101	0.040	0.039	0.181

Source:			I-23	I-27	I-28	I-29	I-30	I-31
Date:			2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg
Total Nitrogen	.005	WT%	0.030	0.043	0.045	0.085	0.067	0.058
Total Organic Carbon	.01	WT%	2.210	0.146	0.484	0.372	0.213	0.121

Source:			I-33	I-34	I-35
Date:			2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg
Total Nitrogen	.005	WT%	0.037	0.013	0.094
Total Organic Carbon	.01	WT%	0.384	2.430	0.278

ND=not detected

SOUTH BAY WASTEWATER RECLAMATION PLANT
SEDIMENT ANNUAL – International Stations

Trace Metals

Annual 2012

Source:			I-1	I-2	I-3	I-4
Date:			2012	2012	2012	2012
Analyte	MDL	Units	Average	Average	Average	Average
Aluminum	2	MG/KG	2550	1310	783	956
Antimony	.3	MG/KG	<0.3	ND	ND	ND
Arsenic	.33	MG/KG	1.04	0.70	1.03	1.06
Beryllium	.01	MG/KG	0.07	0.05	0.04	0.05
Cadmium	.06	MG/KG	<0.06	<0.06	ND	ND
Chromium	.1	MG/KG	7.4	6.7	7.2	4.5
Copper	.2	MG/KG	1.6	0.5	0.3	0.5
Iron	9	MG/KG	3490	1410	1340	1760
Lead	.8	MG/KG	2.4	1.3	1.1	1.5
Manganese	.08	MG/KG	31.6	9.81	6.02	15.7
Mercury	.004	MG/KG	0.006	ND	ND	ND
Nickel	.1	MG/KG	3	1.1	1.0	0.8
Selenium	.24	MG/KG	ND	ND	ND	ND
Silver	.04	MG/KG	ND	ND	ND	ND
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND	ND
Tin	.3	MG/KG	<0.3	ND	ND	<0.3
Zinc	.25	MG/KG	8.4	3.1	2.3	3.3

Source:			I-6	I-7	I-8	I-9
Date:			2012	2012	2012	2012
Analyte	MDL	Units	Average	Average	Average	Average
Aluminum	2	MG/KG	1280	1140	2030	8540
Antimony	.3	MG/KG	<0.3	0.4	ND	0.4
Arsenic	.33	MG/KG	4.19	5.42	2.38	1.64
Beryllium	.01	MG/KG	0.05	0.06	0.07	0.13
Cadmium	.06	MG/KG	ND	<0.06	<0.06	<0.06
Chromium	.1	MG/KG	9.0	9.4	9.6	13
Copper	.2	MG/KG	0.4	0.4	0.7	4.2
Iron	9	MG/KG	4110	6940	4660	8610
Lead	.8	MG/KG	2	2.7	2	3.9
Manganese	.08	MG/KG	13.1	18	23.5	87.1
Mercury	.004	MG/KG	ND	ND	ND	<0.004
Nickel	.1	MG/KG	1.0	1.1	1.3	4.9
Selenium	.24	MG/KG	ND	ND	ND	ND
Silver	.04	MG/KG	ND	ND	ND	ND
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND	ND
Tin	.3	MG/KG	<0.3	ND	<0.3	0.5
Zinc	.25	MG/KG	4.6	6.6	8.5	22.4

ND= not detected

SOUTH BAY WASTEWATER RECLAMATION PLANT
SEDIMENT ANNUAL – International Stations

Trace Metals

Annual 2012

Source:			I-10	I-12	I-13	I-14
Date:			2012	2012	2012	2012
Analyte	MDL	Units	Average	Average	Average	Average
Aluminum	2	MG/KG	6720	4730	1020	6570
Antimony	.3	MG/KG	<0.3	ND	ND	<0.3
Arsenic	.33	MG/KG	1.52	1.61	5.69	1.49
Beryllium	.01	MG/KG	0.12	0.09	0.07	0.11
Cadmium	.06	MG/KG	ND	ND	ND	0.09
Chromium	.1	MG/KG	11.0	9.1	9.9	11.4
Copper	.2	MG/KG	3	2.4	0.4	3
Iron	9	MG/KG	7270	5770	5690	7230
Lead	.8	MG/KG	3.4	2.8	2.6	3.6
Manganese	.08	MG/KG	75.4	54.9	13.3	77.9
Mercury	.004	MG/KG	<0.004	<0.004	ND	<0.004
Nickel	.1	MG/KG	3.4	2.5	0.8	3.4
Selenium	.24	MG/KG	ND	ND	ND	ND
Silver	.04	MG/KG	ND	ND	ND	ND
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND	ND
Tin	.3	MG/KG	0.3	<0.3	<0.3	0.4
Zinc	.25	MG/KG	17.8	14.7	5.6	16.9

Source:			I-15	I-16	I-18	I-20
Date:			2012	2012	2012	2012
Analyte	MDL	Units	Average	Average	Average	Average
Aluminum	2	MG/KG	1440	6840	5280	2020
Antimony	.3	MG/KG	ND	<0.3	<0.3	<0.3
Arsenic	.33	MG/KG	2.32	1.33	1.55	2.56
Beryllium	.01	MG/KG	0.04	0.13	0.10	0.06
Cadmium	.06	MG/KG	ND	<0.06	ND	ND
Chromium	.1	MG/KG	6.8	11.6	11.9	6.2
Copper	.2	MG/KG	0.5	3.3	2.2	0.9
Iron	9	MG/KG	4180	7190	6860	4000
Lead	.8	MG/KG	2.1	3.7	3.4	2.1
Manganese	.08	MG/KG	16.7	74.9	59.8	28.1
Mercury	.004	MG/KG	ND	ND	ND	ND
Nickel	.1	MG/KG	1.0	3.8	3.0	1.3
Selenium	.24	MG/KG	ND	ND	ND	ND
Silver	.04	MG/KG	ND	ND	ND	ND
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND	ND
Tin	.3	MG/KG	<0.3	<0.3	<0.3	ND
Zinc	.25	MG/KG	6.9	18.5	14.2	8

ND= not detected

SOUTH BAY WASTEWATER RECLAMATION PLANT
SEDIMENT ANNUAL – International Stations

Trace Metals

Annual 2012

Source:			I-21	I-22	I-23	I-27
Date:			2012	2012	2012	2012
Analyte	MDL	Units	Average	Average	Average	Average
Aluminum	2	MG/KG	1120	6280	3800	7440
Antimony	.3	MG/KG	ND	0.4	ND	0.3
Arsenic	.33	MG/KG	9.55	1.6	1.7	1.29
Beryllium	.01	MG/KG	0.06	0.10	0.08	0.11
Cadmium	.06	MG/KG	<0.06	<0.06	<0.06	ND
Chromium	.1	MG/KG	11.8	10	7.4	11
Copper	.2	MG/KG	0.4	2.9	1.9	3.3
Iron	9	MG/KG	8560	6150	4620	6940
Lead	.8	MG/KG	3.8	3.1	3.1	3.5
Manganese	.08	MG/KG	14.6	66.6	46	72.7
Mercury	.004	MG/KG	ND	0.005	ND	<0.004
Nickel	.1	MG/KG	0.9	3.3	2.2	3.6
Selenium	.24	MG/KG	ND	ND	ND	ND
Silver	.04	MG/KG	ND	ND	ND	ND
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND	ND
Tin	.3	MG/KG	<0.3	0.5	ND	0.6
Zinc	.25	MG/KG	7.1	14.1	10.8	16.6

Source:			I-28	I-29	I-30	I-31
Date:			2012	2012	2012	2012
Analyte	MDL	Units	Average	Average	Average	Average
Aluminum	2	MG/KG	5350	7100	6080	3460
Antimony	.3	MG/KG	0.3	0.3	<0.3	<0.3
Arsenic	.33	MG/KG	2.52	2.48	1.19	0.91
Beryllium	.01	MG/KG	0.11	0.13	0.1	0.02
Cadmium	.06	MG/KG	0.06	<0.06	<0.06	ND
Chromium	.1	MG/KG	9.4	12.4	10.3	7
Copper	.2	MG/KG	5.1	5.2	3.4	1.4
Iron	9	MG/KG	6860	8600	6090	3710
Lead	.8	MG/KG	4.5	4.8	3.3	2
Manganese	.08	MG/KG	57.7	76.4	61.9	54.3
Mercury	.004	MG/KG	0.026	0.023	0.007	ND
Nickel	.1	MG/KG	5.1	5.1	3.6	1.6
Selenium	.24	MG/KG	ND	ND	ND	<0.24
Silver	.04	MG/KG	ND	ND	ND	ND
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND	ND
Tin	.3	MG/KG	0.7	0.7	0.4	<0.3
Zinc	.25	MG/KG	16	20.5	15.8	7.9

ND= not detected

SOUTH BAY WASTEWATER RECLAMATION PLANT
SEDIMENT ANNUAL – International Stations

Trace Metals

Annual 2012

Source:			I-33	I-34	I-35
Date:			2012	2012	2012
Analyte	MDL	Units	Average	Average	Average
Aluminum	2	MG/KG	4290	3000	7210
Antimony	.3	MG/KG	<0.3	ND	0.4
Arsenic	.33	MG/KG	1.63	1.93	2.3
Beryllium	.01	MG/KG	0.08	0.05	0.13
Cadmium	.06	MG/KG	<0.06	ND	0.06
Chromium	.1	MG/KG	8.9	5.9	12.2
Copper	.2	MG/KG	5.3	3.7	5
Iron	9	MG/KG	5890	3910	8850
Lead	.8	MG/KG	4.3	3.3	5.1
Manganese	.08	MG/KG	71.1	52.1	94.8
Mercury	.004	MG/KG	0.017	0.005	0.017
Nickel	.1	MG/KG	3.8	2.6	4.3
Selenium	.24	MG/KG	<0.24	ND	ND
Silver	.04	MG/KG	ND	ND	0.1
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND
Tin	.3	MG/KG	1.4	0.8	0.7
Zinc	.25	MG/KG	17.3	11.2	24.1

ND= not detected

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

Annual 2012

Source:			I-1	I-2	I-3	I-4	I-6	I-7	I-8	I-9
Date:			2012	2012	2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
Aldrin	430	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	310	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	150	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	310	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	260	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDD	470	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDE	260	NG/KG	<260	ND	ND	ND	ND	ND	ND	<260
p,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDD	830	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	720	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	1200	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	120	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	240	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	350	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	240	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	250	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	240	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	240	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	350	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	260	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	830	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	830	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	500	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	1100	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	430	NG/KG	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	700	NG/KG	0	0	0	0	0	0	0	0
DDT and derivatives	830	NG/KG	0	0	0	0	0	0	0	0
Chlordane + related cmpds.	350	NG/KG	0	0	0	0	0	0	0	0
Chlorinated Hydrocarbons	1200	NG/KG	0	0	0	0	0	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 Chlorinated Pesticide Analysis - International Stations

Annual 2012

Source:			I-10	I-12	I-13	I-14	I-15	I-16	I-18	I-20
Date:			2012	2012	2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
Aldrin	430	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	310	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	150	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	310	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	260	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDD	470	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDE	260	NG/KG	ND	ND	ND	<260	ND	<260	ND	ND
p,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDD	830	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	720	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	1200	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	120	NG/KG	ND	<120	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	240	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	350	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	240	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	250	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	240	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	240	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	350	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	260	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	830	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	830	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	500	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	1100	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	430	NG/KG	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	700	NG/KG	0	0	0	0	0	0	0	0
DDT and derivatives	830	NG/KG	0	0	0	0	0	0	0	0
Chlordane + related cmpds.	350	NG/KG	0	0	0	0	0	0	0	0
Chlorinated Hydrocarbons	1200	NG/KG	0	0	0	0	0	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 Chlorinated Pesticide Analysis - International Stations

Annual 2012

Source:			I-21	I-22	I-23	I-27	I-28	I-29	I-30	I-31
Date:			2012	2012	2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
Aldrin	430	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	310	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	150	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	310	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	260	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDD	470	NG/KG	ND	ND	ND	ND	ND	ND	ND	<470
p,p-DDE	260	NG/KG	ND	E260	ND	<260	E393	1140	ND	ND
p,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	<800	ND	<800
o,p-DDD	830	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	720	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	1200	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	120	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	240	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	350	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	240	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	250	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	240	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	240	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	350	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	260	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	830	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	830	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	500	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	1100	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	430	NG/KG	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	700	NG/KG	0	0	0	0	0	0	0	0
DDT and derivatives	830	NG/KG	0	0	0	0	0	1140	0	0
Chlordane + related cmpds.	350	NG/KG	0	0	0	0	0	0	0	0
Chlorinated Hydrocarbons	1200	NG/KG	0	0	0	0	0	1140	0	0

ND=not detected
NA=not analyzed
E=Estimated value below MDL, but qualified.

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 Chlorinated Pesticide Analysis - International Stations

Annual 2012

Source:			I-33	I-34	I-35
Date:			2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg
Aldrin	430	NG/KG	ND	ND	ND
Dieldrin	310	NG/KG	ND	ND	ND
BHC, Alpha isomer	150	NG/KG	ND	ND	ND
BHC, Beta isomer	310	NG/KG	ND	ND	ND
BHC, Gamma isomer	260	NG/KG	ND	ND	ND
BHC, Delta isomer	700	NG/KG	ND	ND	ND
p,p-DDD	470	NG/KG	ND	ND	ND
p,p-DDE	260	NG/KG	ND	ND	<260
p,p-DDT	800	NG/KG	ND	ND	ND
o,p-DDD	830	NG/KG	ND	ND	ND
o,p-DDE	720	NG/KG	ND	ND	ND
o,p-DDT	800	NG/KG	ND	ND	ND
Heptachlor	1200	NG/KG	ND	ND	ND
Heptachlor epoxide	120	NG/KG	ND	ND	ND
Alpha (cis) Chlordane	240	NG/KG	ND	ND	ND
Gamma (trans) Chlordane	350	NG/KG	ND	ND	ND
Alpha Chlordene		NG/KG	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA
Oxychlordane	240	NG/KG	ND	ND	ND
Trans Nonachlor	250	NG/KG	ND	ND	ND
Cis Nonachlor	240	NG/KG	ND	ND	ND
Alpha Endosulfan	240	NG/KG	ND	ND	ND
Beta Endosulfan	350	NG/KG	ND	ND	ND
Endosulfan Sulfate	260	NG/KG	ND	ND	ND
Endrin	830	NG/KG	ND	ND	ND
Endrin aldehyde	830	NG/KG	ND	ND	ND
Mirex	500	NG/KG	ND	ND	ND
Methoxychlor	1100	NG/KG	ND	ND	ND
Aldrin + Dieldrin	430	NG/KG	0	0	0
Hexachlorocyclohexanes	700	NG/KG	0	0	0
DDT and derivatives	830	NG/KG	0	0	0
Chlordane + related cmpds.	350	NG/KG	0	0	0
Chlorinated Hydrocarbons	1200	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 2012

Source:			I-1	I-2	I-3	I-4	I-6	I-7
Date:			2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg
PCB 18	540	NG/KG	ND	ND	ND	ND	ND	ND
PCB 28	660	NG/KG	ND	ND	ND	ND	ND	ND
PCB 52	1000	NG/KG	ND	ND	ND	ND	ND	ND
PCB 49	850	NG/KG	ND	ND	ND	ND	ND	ND
PCB 44	890	NG/KG	ND	ND	ND	ND	ND	ND
PCB 37	340	NG/KG	ND	ND	ND	ND	ND	ND
PCB 74	900	NG/KG	ND	ND	ND	ND	ND	ND
PCB 70	1100	NG/KG	ND	ND	ND	ND	ND	ND
PCB 66	920	NG/KG	ND	ND	ND	ND	ND	ND
PCB 101	430	NG/KG	ND	ND	ND	ND	ND	ND
PCB 99	660	NG/KG	ND	ND	ND	ND	ND	ND
PCB 119	560	NG/KG	ND	ND	ND	ND	ND	ND
PCB 87	600	NG/KG	ND	ND	ND	ND	ND	ND
PCB 110	640	NG/KG	ND	ND	ND	ND	ND	ND
PCB 81	590	NG/KG	ND	ND	ND	ND	ND	ND
PCB 151	640	NG/KG	ND	ND	ND	ND	ND	ND
PCB 77	790	NG/KG	ND	ND	ND	ND	ND	ND
PCB 149	500	NG/KG	ND	ND	ND	ND	ND	ND
PCB 123	660	NG/KG	ND	ND	ND	ND	ND	ND
PCB 118	830	NG/KG	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 105	720	NG/KG	ND	ND	ND	ND	ND	ND
PCB 138	590	NG/KG	ND	ND	ND	ND	ND	ND
PCB 158	510	NG/KG	ND	ND	ND	ND	ND	ND
PCB 187	470	NG/KG	ND	ND	ND	ND	ND	ND
PCB 183	530	NG/KG	ND	ND	ND	ND	ND	ND
PCB 126	720	NG/KG	ND	ND	ND	ND	ND	ND
PCB 128	570	NG/KG	ND	ND	ND	ND	ND	ND
PCB 167	620	NG/KG	ND	ND	ND	ND	ND	ND
PCB 177	650	NG/KG	ND	ND	ND	ND	ND	ND
PCB 201	530	NG/KG	ND	ND	ND	ND	ND	ND
PCB 156	620	NG/KG	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 180	530	NG/KG	ND	ND	ND	ND	ND	ND
PCB 170	570	NG/KG	ND	ND	ND	ND	ND	ND
Total PCB's	1100	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 2012

Source:			I-8	I-9	I-10	I-12	I-13	I-14
Date:			2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg
PCB 18	540	NG/KG	ND	ND	ND	ND	ND	ND
PCB 28	660	NG/KG	ND	ND	ND	ND	ND	ND
PCB 52	1000	NG/KG	ND	ND	ND	ND	ND	ND
PCB 49	850	NG/KG	ND	ND	ND	ND	ND	ND
PCB 44	890	NG/KG	ND	ND	ND	ND	ND	ND
PCB 37	340	NG/KG	ND	ND	ND	ND	ND	ND
PCB 74	900	NG/KG	ND	ND	ND	ND	ND	ND
PCB 70	1100	NG/KG	ND	ND	ND	ND	ND	ND
PCB 66	920	NG/KG	ND	ND	ND	ND	ND	ND
PCB 101	430	NG/KG	ND	ND	ND	ND	ND	ND
PCB 99	660	NG/KG	ND	ND	ND	ND	ND	ND
PCB 119	560	NG/KG	ND	ND	ND	ND	ND	ND
PCB 87	600	NG/KG	ND	ND	ND	ND	ND	ND
PCB 110	640	NG/KG	ND	ND	ND	ND	ND	ND
PCB 81	590	NG/KG	ND	ND	ND	ND	ND	ND
PCB 151	640	NG/KG	ND	ND	ND	ND	ND	ND
PCB 77	790	NG/KG	ND	ND	ND	ND	ND	ND
PCB 149	500	NG/KG	ND	ND	ND	ND	ND	ND
PCB 123	660	NG/KG	ND	ND	ND	ND	ND	ND
PCB 118	830	NG/KG	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 105	720	NG/KG	ND	ND	ND	ND	ND	ND
PCB 138	590	NG/KG	ND	ND	ND	ND	ND	ND
PCB 158	510	NG/KG	ND	ND	ND	ND	ND	ND
PCB 187	470	NG/KG	ND	ND	ND	ND	ND	ND
PCB 183	530	NG/KG	ND	ND	ND	ND	ND	ND
PCB 126	720	NG/KG	ND	ND	ND	ND	ND	ND
PCB 128	570	NG/KG	ND	ND	ND	ND	ND	ND
PCB 167	620	NG/KG	ND	ND	ND	ND	ND	ND
PCB 177	650	NG/KG	ND	ND	ND	ND	ND	ND
PCB 201	530	NG/KG	ND	ND	ND	ND	ND	ND
PCB 156	620	NG/KG	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 180	530	NG/KG	ND	ND	ND	ND	ND	ND
PCB 170	570	NG/KG	ND	ND	ND	ND	ND	ND
Total PCB's	1100	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 2012

Source:			I-15	I-16	I-18	I-20	I-21	I-22
Date:			2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg
PCB 18	540	NG/KG	ND	ND	ND	ND	ND	ND
PCB 28	660	NG/KG	ND	ND	ND	ND	ND	ND
PCB 52	1000	NG/KG	ND	ND	ND	ND	ND	ND
PCB 49	850	NG/KG	ND	ND	ND	ND	ND	ND
PCB 44	890	NG/KG	ND	ND	ND	ND	ND	ND
PCB 37	340	NG/KG	ND	ND	ND	ND	ND	ND
PCB 74	900	NG/KG	ND	ND	ND	ND	ND	ND
PCB 70	1100	NG/KG	ND	ND	ND	ND	ND	ND
PCB 66	920	NG/KG	ND	ND	ND	ND	ND	ND
PCB 101	430	NG/KG	ND	ND	ND	ND	ND	ND
PCB 99	660	NG/KG	ND	ND	ND	ND	ND	ND
PCB 119	560	NG/KG	ND	ND	ND	ND	ND	ND
PCB 87	600	NG/KG	ND	ND	ND	ND	ND	ND
PCB 110	640	NG/KG	ND	ND	ND	ND	ND	ND
PCB 81	590	NG/KG	ND	ND	ND	ND	ND	ND
PCB 151	640	NG/KG	ND	ND	ND	ND	ND	ND
PCB 77	790	NG/KG	ND	ND	ND	ND	ND	ND
PCB 149	500	NG/KG	ND	ND	ND	ND	ND	ND
PCB 123	660	NG/KG	ND	ND	ND	ND	ND	ND
PCB 118	830	NG/KG	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 105	720	NG/KG	ND	ND	ND	ND	ND	ND
PCB 138	590	NG/KG	ND	ND	ND	ND	ND	ND
PCB 158	510	NG/KG	ND	ND	ND	ND	ND	ND
PCB 187	470	NG/KG	ND	ND	ND	ND	ND	ND
PCB 183	530	NG/KG	ND	ND	ND	ND	ND	ND
PCB 126	720	NG/KG	ND	ND	ND	ND	ND	ND
PCB 128	570	NG/KG	ND	ND	ND	ND	ND	ND
PCB 167	620	NG/KG	ND	ND	ND	ND	ND	ND
PCB 177	650	NG/KG	ND	ND	ND	ND	ND	ND
PCB 201	530	NG/KG	ND	ND	ND	ND	ND	ND
PCB 156	620	NG/KG	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 180	530	NG/KG	ND	ND	ND	ND	ND	ND
PCB 170	570	NG/KG	ND	ND	ND	ND	ND	ND
Total PCB's	1100	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 2012

Source:			I-23	I-27	I-28	I-29	I-30	I-31
Date:			2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg
PCB 18	540	NG/KG	ND	ND	ND	ND	ND	ND
PCB 28	660	NG/KG	ND	ND	ND	ND	ND	ND
PCB 52	1000	NG/KG	ND	ND	ND	ND	ND	ND
PCB 49	850	NG/KG	ND	ND	ND	ND	ND	ND
PCB 44	890	NG/KG	ND	ND	ND	ND	ND	ND
PCB 37	340	NG/KG	ND	ND	ND	ND	ND	ND
PCB 74	900	NG/KG	ND	ND	ND	ND	ND	ND
PCB 70	1100	NG/KG	ND	ND	ND	ND	ND	ND
PCB 66	920	NG/KG	ND	ND	ND	ND	ND	ND
PCB 101	430	NG/KG	ND	ND	ND	ND	ND	ND
PCB 99	660	NG/KG	ND	ND	ND	ND	ND	ND
PCB 119	560	NG/KG	ND	ND	ND	ND	ND	ND
PCB 87	600	NG/KG	ND	ND	ND	ND	ND	ND
PCB 110	640	NG/KG	ND	ND	ND	ND	ND	ND
PCB 81	590	NG/KG	ND	ND	ND	ND	ND	ND
PCB 151	640	NG/KG	ND	ND	ND	ND	ND	ND
PCB 77	790	NG/KG	ND	ND	ND	ND	ND	ND
PCB 149	500	NG/KG	ND	ND	ND	ND	ND	ND
PCB 123	660	NG/KG	ND	ND	ND	ND	ND	ND
PCB 118	830	NG/KG	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 105	720	NG/KG	ND	ND	ND	ND	ND	ND
PCB 138	590	NG/KG	ND	ND	ND	ND	ND	ND
PCB 158	510	NG/KG	ND	ND	ND	ND	ND	ND
PCB 187	470	NG/KG	ND	ND	ND	ND	ND	ND
PCB 183	530	NG/KG	ND	ND	ND	ND	ND	ND
PCB 126	720	NG/KG	ND	ND	ND	ND	ND	ND
PCB 128	570	NG/KG	ND	ND	ND	ND	ND	ND
PCB 167	620	NG/KG	ND	ND	ND	ND	ND	ND
PCB 177	650	NG/KG	ND	ND	ND	ND	ND	ND
PCB 201	530	NG/KG	ND	ND	ND	<530	ND	ND
PCB 156	620	NG/KG	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 180	530	NG/KG	ND	ND	ND	<530	ND	ND
PCB 170	570	NG/KG	ND	ND	ND	ND	ND	ND
Total PCB's	1100	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 2012

Source:			I-33	I-34	I-35
Date:			2012	2012	2012
Analyte	MDL	Units	Avg	Avg	Avg
PCB 18	540	NG/KG	ND	ND	ND
PCB 28	660	NG/KG	ND	ND	ND
PCB 52	1000	NG/KG	ND	ND	ND
PCB 49	850	NG/KG	ND	ND	ND
PCB 44	890	NG/KG	ND	ND	ND
PCB 37	340	NG/KG	ND	ND	ND
PCB 74	900	NG/KG	ND	ND	ND
PCB 70	1100	NG/KG	ND	ND	ND
PCB 66	920	NG/KG	ND	ND	ND
PCB 101	430	NG/KG	ND	ND	ND
PCB 99	660	NG/KG	ND	ND	ND
PCB 119	560	NG/KG	ND	ND	ND
PCB 87	600	NG/KG	ND	ND	ND
PCB 110	640	NG/KG	ND	ND	ND
PCB 81	590	NG/KG	ND	ND	ND
PCB 151	640	NG/KG	ND	ND	ND
PCB 77	790	NG/KG	ND	ND	ND
PCB 149	500	NG/KG	ND	ND	ND
PCB 123	660	NG/KG	ND	ND	ND
PCB 118	830	NG/KG	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND
PCB 105	720	NG/KG	ND	ND	ND
PCB 138	590	NG/KG	ND	ND	ND
PCB 158	510	NG/KG	ND	ND	ND
PCB 187	470	NG/KG	ND	ND	ND
PCB 183	530	NG/KG	ND	ND	ND
PCB 126	720	NG/KG	ND	ND	ND
PCB 128	570	NG/KG	ND	ND	ND
PCB 167	620	NG/KG	ND	ND	ND
PCB 177	650	NG/KG	ND	ND	ND
PCB 201	530	NG/KG	ND	ND	ND
PCB 156	620	NG/KG	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND
PCB 180	530	NG/KG	ND	ND	ND
PCB 170	570	NG/KG	ND	ND	ND
Total PCB's	1100	NG/KG	0	0	0

ND=not detected

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

Annual 2102

Source:			I-1	I-2	I-3	I-4	I-6	I-7	I-8
Date:			2012	2012	2012	2012	2012	2012	2012
Analyte	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

Source:			I-9	I-10	I-12	I-13	I-14	I-15	I-16
Date:			2012	2012	2012	2012	2012	2012	2012
Analyte	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

ND=not detected

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

Annual 2012

Source:			I-18	I-20	I-21	I-22	I-23	I-27	I-28
Date:			2012	2012	2012	2012	2012	2012	2012
Analyte	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

Source:			I-29	I-30	I-31	I-33	I-34	I-35
Date:			2012	2012	2012	2012	2012	2012
Analyte	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 2012

Source:			8201	8202	8203	8208	8209	8210
Analyte	MDL	Units	19-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012
Sulfides-Total	.14	MG/KG	1.50	28.50	11.60	2.94	9.81	0.62
Total Volatile Solids	.11	WT%	1.72	4.43	2.97	1.35	3.23	0.86

Source:			8211	8212	8213	8214	8215	8216
Analyte	MDL	Units	23-JUL-2012	23-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012	19-JUL-2012
Sulfides-Total	.14	MG/KG	6.51	6.99	0.57	3.95	8.79	4.76
Total Volatile Solids	.11	WT%	2.80	2.88	0.30	2.05	3.02	0.88

Source:			8217	8218	8219	8220	8221	8222
Analyte	MDL	Units	23-JUL-2012	19-JUL-2012	17-JUL-2012	23-JUL-2012	16-JUL-2012	17-JUL-2012
Sulfides-Total	.14	MG/KG	5.66	0.92	1.70	5.43	5.01	2.92
Total Volatile Solids	.11	WT%	2.31	1.04	2.33	2.31	0.76	2.52

Source:			8223	8224	8225	8226	8227	8228
Analyte	MDL	Units	16-JUL-2012	24-JUL-2012	17-JUL-2012	17-JUL-2012	17-JUL-2012	17-JUL-2012
Sulfides-Total	.14	MG/KG	2.88	2.60	17.70	1.82	2.95	9.21
Total Volatile Solids	.11	WT%	0.92	2.80	3.47	1.94	1.68	4.70

Source:			8229	8230	8232	8233	8234	8235
Analyte	MDL	Units	17-JUL-2012	17-JUL-2012	16-JUL-2012	09-JUL-2012	09-JUL-2012	23-JUL-2012
Sulfides-Total	.14	MG/KG	3.21	7.98	4.19	0.66	2.92	15.90
Total Volatile Solids	.11	WT%	4.06	4.20	1.69	0.87	1.36	5.22

Source:			8237	8238	8241	8242	8243	8250
Analyte	MDL	Units	23-JUL-2012	17-JUL-2012	23-JUL-2012	19-JUL-2012	24-JUL-2012	16-JUL-2012
Sulfides-Total	.14	MG/KG	21.00	23.50	11.80	254.00	15.60	2.07
Total Volatile Solids	.11	WT%	7.08	8.82	9.02	8.59	7.20	0.89

Source:			8251	8252	8254	8259
Analyte	MDL	Units	24-JUL-2012	24-JUL-2012	24-JUL-2012	24-JUL-2012
Sulfides-Total	.14	MG/KG	4.00	7.05	10.50	0.55
Total Volatile Solids	.11	WT%	1.37	0.70	3.05	38.50

ND=not detected

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

Annual 2012

Source:			8201	8202	8203	8208	8209	8210
Date:			19-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012
Analyte	MDL	Units	P627226	P627234	P627983	P627239	P627988	P627241
>0.5 to 1.0			0.000	0.768	0.669	0.000	0.098	0.000
>1.0 to 2.0			0.273	1.660	1.210	0.000	0.871	0.888
>2.0 to 3.9			1.240	4.480	3.090	0.644	2.490	2.840
>3.9 to 7.8			2.780	10.400	7.020	1.920	6.010	8.410
>7.8 to 15.6			4.370	14.800	10.200	3.130	7.870	14.400
>15.6 to 31			5.340	14.900	12.300	3.090	6.760	12.800
>31 to 62.5			13.100	22.000	28.100	8.860	9.750	9.290
>62.5 to 125			44.000	24.200	30.800	53.100	20.500	10.400
>125 to 250			24.900	6.200	6.000	26.400	29.000	26.600
>250 to 500			3.940	0.448	0.401	2.810	15.400	14.300
>500 to 1000			0.081	0.000	0.000	0.062	1.200	0.090
>1000 to 2000			0.000	0.000	0.000	0.000	0.000	0.000
>2000*			ND	ND	ND	ND	ND	ND
Totals:			100.024	99.856	99.790	100.016	99.949	100.018

Source:			8211	8212	8213	8214	8215	8216
Date:			23-JUL-2012	23-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012	19-JUL-2012
Analyte	MDL	Units	P627992	P627951	P627248	P627954	P627251	P627258
>0.5 to 1.0			0.000	0.101	0.000	0.000	0.000	0.000
>1.0 to 2.0			0.881	0.949	0.000	0.671	0.864	0.000
>2.0 to 3.9			2.490	2.560	0.646	2.050	2.280	0.440
>3.9 to 7.8			5.720	6.160	1.950	4.750	5.460	1.520
>7.8 to 15.6			7.660	10.200	2.720	6.750	8.820	1.960
>15.6 to 31			7.610	14.700	2.080	7.450	11.600	1.420
>31 to 62.5			14.800	31.000	1.770	17.800	25.100	1.370
>62.5 to 125			35.200	27.900	7.070	43.200	35.300	3.270
>125 to 250			22.400	5.920	38.100	16.000	9.860	21.300
>250 to 500			3.120	0.559	39.100	1.320	0.789	60.500
>500 to 1000			0.042	0.000	6.580	0.027	0.000	8.160
>1000 to 2000			0.000	0.000	0.000	0.000	0.000	0.023
>2000*			1.580	ND	ND	ND	ND	ND
Totals:			101.503	100.049	100.016	100.018	100.073	99.963

*=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 2012

Source:			8217	8219	8220	8221	8222	8223
Date:			23-JUL-2012	17-JUL-2012	23-JUL-2012	16-JUL-2012	17-JUL-2012	16-JUL-2012
Analyte	MDL	Units	P627959	P625786	P627964	P625683	P625744	P625687
>0.5 to 1.0			0.000	0.000	0.000	0.000	0.803	0.000
>1.0 to 2.0			0.696	0.464	0.727	0.000	1.470	0.008
>2.0 to 3.9			2.210	2.300	2.310	0.114	3.760	0.897
>3.9 to 7.8			5.030	6.330	5.250	0.973	9.690	2.230
>7.8 to 15.6			7.090	8.500	7.630	1.480	15.100	3.310
>15.6 to 31			8.170	5.950	9.260	1.360	13.200	3.350
>31 to 62.5			19.600	4.640	19.600	2.690	13.000	13.300
>62.5 to 125			40.300	12.800	35.000	27.700	16.300	58.900
>125 to 250			15.600	46.700	18.100	52.800	19.200	16.800
>250 to 500			1.240	12.200	2.100	12.200	7.110	1.280
>500 to 1000			0.000	0.062	0.033	0.660	0.069	0.028
>1000 to 2000			0.000	0.000	0.000	0.000	0.000	0.000
>2000*			ND	4.200	1.000	ND	2.220	ND
Totals:			99.936	104.146	101.010	99.977	101.922	100.103

Source:			8224	8225	8226	8227	8228	8229
Date:			24-JUL-2012	17-JUL-2012	17-JUL-2012	17-JUL-2012	17-JUL-2012	17-JUL-2012
Analyte	MDL	Units	P628197	P625749	P625751	P625758	P625761	P625768
>0.5 to 1.0			0.000	0.000	0.441	0.323	0.000	0.000
>1.0 to 2.0			0.857	0.456	1.090	1.050	0.861	0.290
>2.0 to 3.9			2.300	1.950	2.840	2.670	3.220	1.690
>3.9 to 7.8			5.330	4.780	6.250	5.790	7.910	4.330
>7.8 to 15.6			8.460	5.980	8.450	8.210	11.900	5.630
>15.6 to 31			11.400	4.210	8.780	8.720	13.800	4.020
>31 to 62.5			22.500	3.710	17.900	13.100	24.600	3.360
>62.5 to 125			32.800	9.450	35.300	32.800	28.700	8.400
>125 to 250			14.900	33.000	16.700	25.100	8.150	33.500
>250 to 500			1.570	32.200	2.200	2.200	0.772	34.500
>500 to 1000			0.027	4.310	0.035	0.029	0.000	4.320
>1000 to 2000			0.000	0.000	0.000	0.000	0.000	0.000
>2000*			2.160	ND	1.800	1.920	ND	ND
Totals:			102.304	100.046	101.786	101.912	99.913	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 - Grain Size - Random Stations
(all values are in percent distribution)

Annual 2012

Source:			8230	8232	8233	8234	8235	8237
Date:			17-JUL-2012	16-JUL-2012	09-JUL-2012	09-JUL-2012	23-JUL-2012	23-JUL-2012
Analyte	MDL	Units	P625773	P625696	P624779	P624786	P627970	P627975
>0.5 to 1.0			0.102	0.000	0.000	1.010	0.483	0.622
>1.0 to 2.0			1.160	0.125	0.000	2.080	1.490	1.660
>2.0 to 3.9			3.630	0.937	0.242	5.410	4.460	4.940
>3.9 to 7.8			8.540	1.920	1.150	12.300	10.500	12.100
>7.8 to 15.6			11.900	3.100	1.620	18.600	14.500	19.000
>15.6 to 31			12.400	5.740	1.250	20.000	14.100	21.000
>31 to 62.5			22.100	26.500	1.170	22.600	22.100	23.900
>62.5 to 125			30.400	45.900	4.820	13.600	25.300	13.400
>125 to 250			9.020	14.000	37.800	3.460	6.570	3.020
>250 to 500			0.742	1.730	47.200	0.397	0.540	0.346
>500 to 1000			0.000	0.036	4.810	0.000	0.000	0.000
>1000 to 2000			0.000	0.000	0.000	0.000	0.000	0.000
>2000*			ND	ND	ND	ND	ND	ND
Totals:			99.994	99.988	100.062	99.457	100.043	99.988

Source:			8238	8241	8242	8243	8250	8251
Date:			17-JUL-2012	23-JUL-2012	19-JUL-2012	24-JUL-2012	16-JUL-2012	24-JUL-2012
Analyte	MDL	Units	P625777	P627977	P627267	P628200	P625701	P628206
>0.5 to 1.0			0.644	0.366	1.040	0.000	0.000	0.000
>1.0 to 2.0			1.720	1.550	2.310	0.004	0.000	0.255
>2.0 to 3.9			5.200	4.940	6.140	0.689	0.407	1.140
>3.9 to 7.8			13.400	13.700	15.500	1.640	1.280	2.550
>7.8 to 15.6			20.700	23.800	24.900	2.490	1.900	4.000
>15.6 to 31			19.600	24.100	21.900	3.420	2.180	5.700
>31 to 62.5			19.300	19.100	15.500	16.700	10.400	20.100
>62.5 to 125			14.900	9.660	8.920	50.400	59.500	46.500
>125 to 250			4.200	2.550	2.990	21.500	22.400	17.200
>250 to 500			0.382	0.206	0.384	3.150	1.930	2.490
>500 to 1000			0.000	0.000	0.000	0.058	0.043	0.057
>1000 to 2000			0.000	0.000	0.000	0.000	0.000	0.000
>2000*			ND	ND	ND	ND	ND	ND
Totals:			100.046	99.972	99.584	100.051	100.040	99.992

*=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 2012

Source:			8252	8254	8259
Date:			24-JUL-2012	24-JUL-2012	24-JUL-2012
Analyte	MDL	Units	P628210	P628214	P628163
>0.5 to 1.0			0.000	0.517	0.000
>1.0 to 2.0			0.000	1.600	0.112
>2.0 to 3.9			0.000	4.210	0.881
>3.9 to 7.8			0.840	8.920	2.140
>7.8 to 15.6			1.310	12.800	3.280
>15.6 to 31			1.230	13.500	3.370
>31 to 62.5			1.570	15.900	12.500
>62.5 to 125			16.000	21.700	57.700
>125 to 250			63.700	18.200	18.300
>250 to 500			14.700	2.700	1.700
>500 to 1000			0.647	0.034	0.042
>1000 to 2000			0.000	0.000	0.000
>2000*			ND	1.490	ND
Totals:			99.997	101.571	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 WATER RECLAMATION PLANT
SEDIMENT Total Organic Carbon/Total Nitrogen - Random Stations

Annual 2012

Source:			8201	8202	8203	8208	8209	8210
Analyte	MDL	Units	19-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012
Total Nitrogen	.005	WT%	0.037	0.109	0.080	0.027	0.049	0.019
Total Organic Carbon	.01	WT%	0.32	1.12	0.77	0.22	3.27	0.14

Source:			8211	8212	8213	8214	8215	8216
Analyte	MDL	Units	23-JUL-2012	23-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012	19-JUL-2012
Total Nitrogen	.005	WT%	0.055	0.077	0.013	0.048	0.076	0.016
Total Organic Carbon	.01	WT%	2.33	0.69	0.14	0.51	0.68	0.11

Source:			8217	8218	8219	8220	8221	8222
Analyte	MDL	Units	23-JUL-2012	19-JUL-2012	17-JUL-2012	23-JUL-2012	16-JUL-2012	17-JUL-2012
Total Nitrogen	.005	WT%	0.048	0.013	0.037	0.048	0.017	0.034
Total Organic Carbon	.01	WT%	0.73	1.50	1.74	0.50	0.13	2.12

Source:			8223	8224	8225	8226	8227	8228
Analyte	MDL	Units	16-JUL-2012	24-JUL-2012	17-JUL-2012	17-JUL-2012	17-JUL-2012	17-JUL-2012
Total Nitrogen	.005	WT%	0.026	0.058	0.068	0.034	0.037	0.085
Total Organic Carbon	.01	WT%	0.19	0.59	6.08	0.47	0.39	1.40

Source:			8229	8230	8232	8233	8234	8235
Analyte	MDL	Units	17-JUL-2012	17-JUL-2012	16-JUL-2012	09-JUL-2012	09-JUL-2012	23-JUL-2012
Total Nitrogen	.005	WT%	0.064	0.097	0.031	0.015	0.029	0.132
Total Organic Carbon	.01	WT%	6.49	1.26	0.25	0.31	0.23	1.79

Source:			8237	8238	8241	8242	8243	8250
Analyte	MDL	Units	23-JUL-2012	17-JUL-2012	23-JUL-2012	19-JUL-2012	24-JUL-2012	16-JUL-2012
Total Nitrogen	.005	WT%	0.184	0.208	0.249	0.226	0.196	0.018
Total Organic Carbon	.01	WT%	2.35	2.96	3.02	2.48	2.50	0.14

Source:			8251	8252	8254	8259
Analyte	MDL	Units	24-JUL-2012	24-JUL-2012	24-JUL-2012	24-JUL-2012
Total Nitrogen	.005	WT%	0.027	0.017	0.070	0.025
Total Organic Carbon	.01	WT%	0.25	0.09	0.72	0.19

ND=not detected

SOUTH BAY WASTEWATER RECLAMATION PLANT
ANNUAL OCEAN SEDIMENT – RANDOM

Trace Metals

Annual 2012

Source:			8201	8202	8203	8208	8209	8210
Date:			19-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012
Analyte	MDL	Units						
Aluminum	2	MG/KG	8320	15200	11300	3760	7850	1610
Antimony	.3	MG/KG	0.5	0.7	0.5	0.3	ND	ND
Arsenic	.68	MG/KG	2.14	4.49	3.31	1.56	8.69	6.90
Beryllium	.01	MG/KG	0.12	0.26	0.18	0.03	0.26	ND
Cadmium	.06	MG/KG	ND	0.38	ND	0.07	ND	ND
Chromium	.1	MG/KG	16.1	27.3	22.3	8.8	31.5	8.0
Copper	.2	MG/KG	10.6	18.9	13.9	7.0	6.0	0.5
Iron	9	MG/KG	10900	17900	14700	4750	26200	5840
Lead	.8	MG/KG	5.8	12.6	9.3	3.2	7.6	2.6
Manganese	.08	MG/KG	120	156	129	69	65.9	27.2
Mercury	.004	MG/KG	0.006	0.06	0.035	0.006	0.018	ND
Nickel	.1	MG/KG	7.1	14.1	10.8	4.2	8.1	0.8
Selenium	.47	MG/KG	<0.24	0.36	<0.24	0.3	<0.24	<0.47
Silver	.04	MG/KG	0.20	ND	ND	ND	ND	ND
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND	ND	ND	ND
Tin	.3	MG/KG	1.2	2.4	2.2	1.6	1.8	4.4
Zinc	.25	MG/KG	32.9	52.6	39.5	15.5	41.4	6.3

Source:			8211	8212	8213	8214	8215	8216
Date:			23-JUL-2012	23-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012	19-JUL-2012
Analyte	MDL	Units						
Aluminum	2	MG/KG	8160	7960	1640	7570	11800	2030
Antimony	.3	MG/KG	0.4	0.3	0.6	0.4	0.6	ND
Arsenic	.68	MG/KG	3.21	3.64	0.82	2.33	3.50	1.67
Beryllium	.01	MG/KG	0.19	0.19	ND	0.11	0.17	0.02
Cadmium	.06	MG/KG	ND	ND	ND	ND	0.06	ND
Chromium	.1	MG/KG	20.9	21.2	33.7	14.8	21.2	8.1
Copper	.2	MG/KG	10.1	9.5	4.1	9.3	14.0	5.7
Iron	9	MG/KG	16700	16700	39200	9380	14100	4120
Lead	.8	MG/KG	6.4	6.5	6.6	5.9	9.7	2.4
Manganese	.08	MG/KG	75.6	74.2	180	80.1	133	34.2
Mercury	.004	MG/KG	0.02	0.048	ND	0.022	0.046	ND
Nickel	.1	MG/KG	8.4	8.0	3.6	7.7	11.0	3.5
Selenium	.47	MG/KG	ND	ND	ND	0.34	ND	ND
Silver	.04	MG/KG	ND	ND	ND	ND	ND	ND
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND	ND	ND	ND
Tin	.3	MG/KG	1.8	1.4	1.2	1.4	2.1	1.9
Zinc	.25	MG/KG	34.5	34	17.8	25.4	41.1	11

ND= not detected

SOUTH BAY WASTEWATER RECLAMATION PLANT
ANNUAL OCEAN SEDIMENT – RANDOM

Trace Metals

Annual 2012

Source:			8217	8218	8219	8220	8221	8222
Date:			23-JUL-2012	19-JUL-2012	17-JUL-2012	23-JUL-2012	16-JUL-2012	17-JUL-2012
Analyte	MDL	Units						
Aluminum	2	MG/KG	7520	1770	4690	9300	3570	5280
Antimony	.3	MG/KG	0.3	ND	ND	0.4	ND	ND
Arsenic	.68	MG/KG	2.61	5.87	3.81	3.09	1.82	6.09
Beryllium	.01	MG/KG	0.13	0.03	0.09	0.15	0.02	ND
Cadmium	.06	MG/KG	ND	ND	ND	ND	ND	ND
Chromium	.1	MG/KG	15.8	6.3	17.3	18.5	5.6	13.3
Copper	.2	MG/KG	11.1	9.7	3.5	12.5	1.4	4.5
Iron	9	MG/KG	10100	5030	9110	11700	4310	18000
Lead	.8	MG/KG	5.8	4.2	2.7	7.4	2.7	6.9
Manganese	.08	MG/KG	77	102	28.9	99.2	49.9	62.2
Mercury	.004	MG/KG	0.024	0.005	0.013	0.033	0.006	0.017
Nickel	.1	MG/KG	8.3	3.6	3.9	9.8	1.4	3.0
Selenium	.47	MG/KG	ND	ND	0.42	ND	ND	<0.47
Silver	.04	MG/KG	ND	ND	ND	ND	ND	ND
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND	ND	ND	ND
Tin	.3	MG/KG	2.9	2.7	0.4	2.0	0.5	4.0
Zinc	.25	MG/KG	28	15.6	15.6	31	9.0	24.5

Source:			8223	8224	8225	8226	8227	8228
Date:			16-JUL-2012	24-JUL-2012	17-JUL-2012	17-JUL-2012	17-JUL-2012	17-JUL-2012
Analyte	MDL	Units						
Aluminum	2	MG/KG	6070	9660	5130	7670	6940	14900
Antimony	.3	MG/KG	ND	0.6	ND	ND	ND	1.6
Arsenic	.68	MG/KG	1.06	3.17	4.6	2.49	2.06	2.73
Beryllium	.01	MG/KG	0.04	0.2	0.03	0.04	0.03	0.06
Cadmium	.06	MG/KG	ND	ND	ND	ND	ND	ND
Chromium	.1	MG/KG	9.1	17.4	21.6	11.2	11.3	23.3
Copper	.2	MG/KG	2.4	9.7	5.0	9.4	7.3	15.3
Iron	9	MG/KG	5200	12300	13600	8040	8070	15400
Lead	.8	MG/KG	2.8	8.5	2.6	4.7	5.9	8.7
Manganese	.08	MG/KG	60.7	101	29	73.3	68	120
Mercury	.004	MG/KG	0.006	0.055	0.011	0.023	0.047	0.098
Nickel	.1	MG/KG	2.5	8.0	4.8	5.1	4.8	11.4
Selenium	.47	MG/KG	ND	0.46	0.41	ND	0.53	0.38
Silver	.04	MG/KG	ND	ND	ND	ND	ND	ND
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND	ND	ND	ND
Tin	.3	MG/KG	0.4	2.1	0.6	0.6	0.8	1.2
Zinc	.25	MG/KG	12	31.3	20.9	17.8	20.8	37.5

ND= not detected

SOUTH BAY WASTEWATER RECLAMATION PLANT
ANNUAL OCEAN SEDIMENT – RANDOM

Trace Metals

Annual 2012

Source:			8229	8230	8232	8233	8234	8235
Date:			17-JUL-2012	17-JUL-2012	16-JUL-2012	09-JUL-2012	09-JUL-2012	23-JUL-2012
Analyte	MDL	Units						
Aluminum	2	MG/KG	6450	14000	13100	2210	9480	14500
Antimony	.3	MG/KG	ND	0.4	0.5	ND	0.3	0.6
Arsenic	.68	MG/KG	6.44	2.87	2.05	3.26	1.74	2.94
Beryllium	.01	MG/KG	0.04	0.05	0.07	0.10	0.17	0.25
Cadmium	.06	MG/KG	ND	ND	ND	ND	ND	0.13
Chromium	.1	MG/KG	30.1	21.3	16.6	14	14.4	28.3
Copper	.2	MG/KG	5.3	14.4	6.8	1.2	4.8	19
Iron	9	MG/KG	19500	14600	11600	5970	9350	16200
Lead	.8	MG/KG	2.7	9.0	5.4	6.5	4.9	11.1
Manganese	.08	MG/KG	32.9	112	116	24.3	94.6	139
Mercury	.004	MG/KG	0.01	0.11	0.008	<0.004	0.005	0.053
Nickel	.1	MG/KG	5.7	10.3	5.9	2.6	5.4	15.8
Selenium	.47	MG/KG	<0.47	0.35	ND	ND	ND	1.03
Silver	.04	MG/KG	ND	ND	ND	ND	ND	ND
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND	ND	ND	ND
Tin	.3	MG/KG	ND	1.3	0.6	ND	ND	1.8
Zinc	.25	MG/KG	27.8	36.1	27.1	10.1	24.9	49.3

Source:			8237	8238	8241	8242	8243	8250
Date:			23-JUL-2012	17-JUL-2012	23-JUL-2012	19-JUL-2012	24-JUL-2012	16-JUL-2012
Analyte	MDL	Units						
Aluminum	2	MG/KG	20000	26200	15100	25300	16300	6470
Antimony	.3	MG/KG	0.8	0.7	0.8	1.0	0.9	0.4
Arsenic	.68	MG/KG	3.94	3.82	4.47	8.41	2.96	1.9
Beryllium	.01	MG/KG	0.33	0.42	0.31	0.37	0.26	0.1
Cadmium	.06	MG/KG	0.07	0.25	0.2	ND	0.10	ND
Chromium	.1	MG/KG	36.4	38.0	29.8	36.1	28.8	8.9
Copper	.2	MG/KG	26.7	25.2	16	21.3	14.8	2.9
Iron	9	MG/KG	20000	23600	17400	20900	19700	5950
Lead	.8	MG/KG	18.5	10.2	7.2	15.7	8.8	2.8
Manganese	.08	MG/KG	177	168	136	215	128	75.4
Mercury	.004	MG/KG	0.089	0.044	0.049	0.015	0.077	ND
Nickel	.1	MG/KG	24.0	21.3	17.4	21.3	15.6	2.4
Selenium	.47	MG/KG	0.94	1.51	1.59	0.78	1.04	0.37
Silver	.04	MG/KG	0.23	ND	ND	3.83	ND	ND
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND	ND	ND	ND
Tin	.3	MG/KG	2.3	0.7	1.4	5.1	2.0	0.3
Zinc	.25	MG/KG	65.4	60.0	48.8	60.3	46.8	12.5

ND= not detected

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

Annual 2012

Source:			8251	8252	8254	8259
Date:			24-JUL-2012	24-JUL-2012	24-JUL-2012	24-JUL-2012
Analyte	MDL	Units				
Aluminum	2	MG/KG	7480	2930	14600	4770
Antimony	.3	MG/KG	0.5	ND	0.7	0.4
Arsenic	.68	MG/KG	2.19	1.65	3.26	1.68
Beryllium	.01	MG/KG	0.15	0.06	0.29	0.09
Cadmium	.06	MG/KG	ND	ND	ND	ND
Chromium	.1	MG/KG	12	5.3	22.7	8.7
Copper	.2	MG/KG	4.6	1.0	21.8	2.1
Iron	9	MG/KG	7940	3610	16900	4480
Lead	.8	MG/KG	4.8	2.4	12.5	2.8
Manganese	.08	MG/KG	88.8	46.2	144	53
Mercury	.004	MG/KG	0.013	ND	0.151	0.004
Nickel	.1	MG/KG	4.6	1.6	9.5	2.8
Selenium	.47	MG/KG	ND	ND	ND	ND
Silver	.04	MG/KG	ND	ND	ND	ND
Thallium, Total Recoverable	.5	MG/KG	ND	ND	ND	ND
Tin	.3	MG/KG	1.6	1.3	2.4	1.3
Zinc	.25	MG/KG	22	9.0	49.2	12

ND= not detected

SOUTH BAY OCEAN OUTFALL MONITORING
SEDIMENT ANNUAL Chlorinated Pesticide Analysis - Random Stations

Annual 2012

Source:			8201	8202	8203	8208	8209	8210
Analyte	MDL	Units	19-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012
Aldrin	430	NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	310	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	150	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	310	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	260	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	700	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDD	470	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDE	260	NG/KG	E250	590	390	ND	E170	ND
p,p-DDT	800	NG/KG	ND	ND	E500	ND	ND	ND
o,p-DDD	830	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDE	720	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor	1200	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	120	NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	240	NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	350	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	240	NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	250	NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	240	NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	240	NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	350	NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	260	NG/KG	ND	ND	ND	ND	ND	ND
Endrin	830	NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	830	NG/KG	ND	ND	ND	ND	ND	ND
Mirex	500	NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	1100	NG/KG	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	430	NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	700	NG/KG	0	0	0	0	0	0
DDT and derivatives	830	NG/KG	0	590	390	0	0	0
Chlordane + related cmpds.	350	NG/KG	0	0	0	0	0	0
Chlorinated Hydrocarbons	1200	NG/KG	0	590	390	0	0	0

ND=not detected
NA=not analyzed
E=Estimated value below MDL, but qualified.

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 Chlorinated Pesticide Analysis - Random Stations

Annual 2012

Source:			8211	8212	8213	8214	8215	8216
Analyte	MDL	Units	23-JUL-2012	23-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012	19-JUL-2012
Aldrin	430	NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	310	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	150	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	310	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	260	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	700	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDD	470	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDE	260	NG/KG	270	460	ND	370	600	ND
p,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDD	830	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDE	720	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor	1200	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	120	NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	240	NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	350	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	240	NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	250	NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	240	NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	240	NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	350	NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	260	NG/KG	ND	ND	ND	ND	ND	ND
Endrin	830	NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	830	NG/KG	ND	ND	ND	ND	ND	ND
Mirex	500	NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	1100	NG/KG	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	430	NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	700	NG/KG	0	0	0	0	0	0
DDT and derivatives	830	NG/KG	270	460	0	370	600	0
Chlordane + related cmpds.	350	NG/KG	0	0	0	0	0	0
Chlorinated Hydrocarbons	1200	NG/KG	270	460	0	370	600	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 Chlorinated Pesticide Analysis - Random Stations

Annual 2012

Source:			8217	8218	8219	8220	8221	8222
Analyte	MDL	Units	23-JUL-2012	19-JUL-2012	17-JUL-2012	23-JUL-2012	16-JUL-2012	17-JUL-2012
Aldrin	430	NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	310	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	150	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	310	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	260	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	700	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDD	470	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDE	260	NG/KG	310	ND	E200	260	ND	290
p,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDD	830	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDE	720	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor	1200	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	120	NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	240	NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	350	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	240	NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	250	NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	240	NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	240	NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	350	NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	260	NG/KG	ND	ND	ND	ND	ND	ND
Endrin	830	NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	830	NG/KG	ND	ND	ND	ND	ND	ND
Mirex	500	NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	1100	NG/KG	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	430	NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	700	NG/KG	0	0	0	0	0	0
DDT and derivatives	830	NG/KG	310	0	0	260	0	290
Chlordane + related cmpds.	350	NG/KG	0	0	0	0	0	0
Chlorinated Hydrocarbons	1200	NG/KG	310	0	0	260	0	290

ND=not detected
NA=not analyzed
E=Estimated value below MDL, but qualified.

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 Chlorinated Pesticide Analysis - Random Stations

Annual 2012

Source:			8223	8224	8225	8226	8227	8228
Analyte	MDL	Units	16-JUL-2012	24-JUL-2012	17-JUL-2012	17-JUL-2012	17-JUL-2012	17-JUL-2012
Aldrin	430	NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	310	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	150	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	310	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	260	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	700	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDD	470	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDE	260	NG/KG	ND	660	300	820	620	470
p,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDD	830	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDE	720	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor	1200	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	120	NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	240	NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	350	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	240	NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	250	NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	240	NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	240	NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	350	NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	260	NG/KG	ND	ND	ND	ND	ND	ND
Endrin	830	NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	830	NG/KG	ND	ND	ND	ND	ND	ND
Mirex	500	NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	1100	NG/KG	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	430	NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	700	NG/KG	0	0	0	0	0	0
DDT and derivatives	830	NG/KG	0	660	300	820	620	470
Chlordane + related cmpds.	350	NG/KG	0	0	0	0	0	0
Chlorinated Hydrocarbons	1200	NG/KG	0	660	300	820	620	470

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 Chlorinated Pesticide Analysis - Random Stations

Annual 2012

Source:			8229	8230	8232	8233	8234	8235
Analyte	MDL	Units	17-JUL-2012	17-JUL-2012	16-JUL-2012	09-JUL-2012	09-JUL-2012	23-JUL-2012
Aldrin	430	NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	310	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	150	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	310	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	260	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	700	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDD	470	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDE	260	NG/KG	260	840	600	ND	E230	520
p,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDD	830	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDE	720	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor	1200	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	120	NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	240	NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	350	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	240	NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	250	NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	240	NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	240	NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	350	NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	260	NG/KG	ND	ND	ND	ND	ND	ND
Endrin	830	NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	830	NG/KG	ND	ND	ND	ND	ND	ND
Mirex	500	NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	1100	NG/KG	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	430	NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	700	NG/KG	0	0	0	0	0	0
DDT and derivatives	830	NG/KG	260	840	600	0	0	520
Chlordane + related cmpds.	350	NG/KG	0	0	0	0	0	0
Chlorinated Hydrocarbons	1200	NG/KG	260	840	600	0	0	520

ND=not detected
NA=not analyzed
E=Estimated value below MDL, but qualified.

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 Chlorinated Pesticide Analysis - Random Stations

Annual 2012

Source:			8237	8238	8241	8242	8243	8250
Analyte	MDL	Units	23-JUL-2012	17-JUL-2012	23-JUL-2012	19-JUL-2012	24-JUL-2012	16-JUL-2012
Aldrin	430	NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	310	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	150	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	310	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	260	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	700	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDD	470	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDE	260	NG/KG	580	810	460	1100	ND	ND
p,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDD	830	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDE	720	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	800	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor	1200	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	120	NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	240	NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	350	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	240	NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	250	NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	240	NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	240	NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	350	NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	260	NG/KG	ND	ND	ND	ND	ND	ND
Endrin	830	NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	830	NG/KG	ND	ND	ND	ND	ND	ND
Mirex	500	NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	1100	NG/KG	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	430	NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	700	NG/KG	0	0	0	0	0	0
DDT and derivatives	830	NG/KG	580	810	460	1100	0	0
Chlordane + related cmpds.	350	NG/KG	0	0	0	0	0	0
Chlorinated Hydrocarbons	1200	NG/KG	580	810	460	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 ANNUAL Chlorinated Pesticide Analysis - Random Stations

Annual 2012

Source:			8251	8252	8254	8259
Analyte	MDL	Units	24-JUL-2012	24-JUL-2012	24-JUL-2012	24-JUL-2012
Aldrin	430	NG/KG	ND	ND	ND	ND
Dieldrin	310	NG/KG	ND	ND	ND	ND
BHC, Alpha isomer	150	NG/KG	ND	ND	ND	ND
BHC, Beta isomer	310	NG/KG	ND	ND	ND	ND
BHC, Gamma isomer	260	NG/KG	ND	ND	ND	ND
BHC, Delta isomer	700	NG/KG	ND	ND	ND	ND
p,p-DDD	470	NG/KG	ND	ND	E180	ND
p,p-DDE	260	NG/KG	ND	ND	320	ND
p,p-DDT	800	NG/KG	ND	ND	ND	ND
o,p-DDD	830	NG/KG	ND	ND	E50	ND
o,p-DDE	720	NG/KG	ND	ND	ND	ND
o,p-DDT	800	NG/KG	ND	ND	ND	ND
Heptachlor	1200	NG/KG	ND	ND	ND	ND
Heptachlor epoxide	120	NG/KG	ND	ND	ND	ND
Alpha (cis) Chlordane	240	NG/KG	ND	ND	ND	ND
Gamma (trans) Chlordane	350	NG/KG	ND	ND	ND	ND
Alpha Chlordene		NG/KG	NA	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA	NA
Oxychlordane	240	NG/KG	ND	ND	ND	ND
Trans Nonachlor	250	NG/KG	ND	ND	ND	ND
Cis Nonachlor	240	NG/KG	ND	ND	ND	ND
Alpha Endosulfan	240	NG/KG	ND	ND	ND	ND
Beta Endosulfan	350	NG/KG	ND	ND	ND	ND
Endosulfan Sulfate	260	NG/KG	ND	ND	ND	ND
Endrin	830	NG/KG	ND	ND	ND	ND
Endrin aldehyde	830	NG/KG	ND	ND	ND	ND
Mirex	500	NG/KG	ND	ND	ND	ND
Methoxychlor	1100	NG/KG	ND	ND	ND	ND
Aldrin + Dieldrin	430	NG/KG	0	0	0	0
Hexachlorocyclohexanes	700	NG/KG	0	0	0	0
DDT and derivatives	830	NG/KG	0	0	320	0
Chlordane + related cmpds.	350	NG/KG	0	0	0	0
Chlorinated Hydrocarbons	1200	NG/KG	0	0	320	0

ND=not detected
NA=not analyzed
E=Estimated value below MDL, but qualified.

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 Random Stations

Annual 2012

Source:			8201	8202	8203	8208	8209	8210	8211
Analyte	MDL	Units	19-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012	23-JUL-2012
PCB 18	540	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 28	660	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 52	1000	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 49	850	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 44	890	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 37	340	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 74	900	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 70	1100	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 66	920	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 101	430	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 99	660	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 119	560	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 87	600	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 110	640	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 81	590	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 151	640	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 77	790	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 149	500	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 123	660	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 118	830	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 105	720	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 138	590	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 158	510	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 187	470	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 183	530	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 126	720	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 128	570	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 167	620	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 177	650	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 201	530	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 156	620	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 180	530	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 170	570	NG/KG	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1100	NG/KG	0	0	0	0	0	0	0

ND=not detected

SOUTH BAY OCEAN OUTFALL MONITORING
SEDIMENT ANNUAL - PCB Congeners Random Stations

Annual 2012

Source:			8212	8213	8214	8215	8216	8217	8218
Analyte	MDL	Units	23-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012	19-JUL-2012	23-JUL-2012	19-JUL-2012
PCB 18	540	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 28	660	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 52	1000	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 49	850	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 44	890	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 37	340	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 74	900	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 70	1100	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 66	920	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 101	430	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 99	660	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 119	560	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 87	600	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 110	640	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 81	590	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 151	640	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 77	790	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 149	500	NG/KG	ND	ND	ND	E170	ND	ND	ND
PCB 123	660	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 118	830	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 105	720	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 138	590	NG/KG	ND	ND	ND	E160	ND	ND	ND
PCB 158	510	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 187	470	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 183	530	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 126	720	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 128	570	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 167	620	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 177	650	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 201	530	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 156	620	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 180	530	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 170	570	NG/KG	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1100	NG/KG	0	0	0	0	0	0	0

ND=not detected
E=Estimated value below MDL, but qualified.

SOUTH BAY OCEAN OUTFALL MONITORING
SEDIMENT ANNUAL - PCB Congeners Random Stations

Annual 2012

Source:			8219	8220	8221	8222	8223	8224	8225
Analyte	MDL	Units	17-JUL-2012	23-JUL-2012	16-JUL-2012	17-JUL-2012	16-JUL-2012	24-JUL-2012	17-JUL-2012
PCB 18	540	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 28	660	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 52	1000	NG/KG	ND	ND	ND	E410	ND	E120	ND
PCB 49	850	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 44	890	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 37	340	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 74	900	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 70	1100	NG/KG	ND	ND	ND	E260	ND	ND	ND
PCB 66	920	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 101	430	NG/KG	ND	ND	ND	1000	ND	E280	1400
PCB 99	660	NG/KG	ND	ND	ND	E360	ND	ND	ND
PCB 119	560	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 87	600	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 110	640	NG/KG	ND	ND	ND	1100	ND	ND	640
PCB 81	590	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 151	640	NG/KG	ND	ND	ND	ND	ND	ND	2100
PCB 77	790	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 149	500	NG/KG	ND	ND	ND	ND	ND	E200	5800
PCB 123	660	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 118	830	NG/KG	ND	ND	ND	880	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 105	720	NG/KG	ND	ND	ND	E340	ND	ND	ND
PCB 138	590	NG/KG	ND	ND	ND	940	ND	E230	3400
PCB 158	510	NG/KG	ND	ND	ND	E160	ND	ND	E410
PCB 187	470	NG/KG	ND	ND	ND	E140	ND	ND	5200
PCB 183	530	NG/KG	ND	ND	ND	ND	ND	ND	2500
PCB 126	720	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 128	570	NG/KG	ND	ND	ND	E280	ND	ND	E260
PCB 167	620	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 177	650	NG/KG	ND	ND	ND	ND	ND	ND	2300
PCB 201	530	NG/KG	ND	ND	ND	ND	ND	ND	2100
PCB 156	620	NG/KG	ND	ND	ND	E180	ND	ND	E220
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 180	530	NG/KG	ND	ND	ND	E460	ND	ND	10000
PCB 170	570	NG/KG	ND	ND	ND	ND	ND	ND	3300
Total PCB's	1100	NG/KG	0	0	0	3920	0	0	38740

ND=not detected
E=Estimated value below MDL, but qualified.

SOUTH BAY OCEAN OUTFALL MONITORING
SEDIMENT ANNUAL - PCB Congeners Random Stations

Annual 2012

Source:			8226	8227	8228	8229	8230	8232	8233
Analyte	MDL	Units	17-JUL-2012	17-JUL-2012	17-JUL-2012	17-JUL-2012	17-JUL-2012	16-JUL-2012	09-JUL-2012
PCB 18	540	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 28	660	NG/KG	ND	ND	ND	ND	E210	ND	ND
PCB 52	1000	NG/KG	ND	ND	ND	ND	E520	ND	ND
PCB 49	850	NG/KG	ND	ND	ND	ND	E290	ND	ND
PCB 44	890	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 37	340	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 74	900	NG/KG	ND	ND	ND	ND	E190	ND	ND
PCB 70	1100	NG/KG	ND	ND	ND	ND	E430	ND	ND
PCB 66	920	NG/KG	ND	E82	ND	ND	E340	ND	ND
PCB 101	430	NG/KG	ND	ND	ND	ND	850	ND	ND
PCB 99	660	NG/KG	ND	ND	ND	ND	E450	ND	ND
PCB 119	560	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 87	600	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 110	640	NG/KG	ND	ND	ND	ND	980	ND	ND
PCB 81	590	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 151	640	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 77	790	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 149	500	NG/KG	ND	E160	ND	ND	520	E160	ND
PCB 123	660	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 118	830	NG/KG	ND	ND	ND	ND	830	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 105	720	NG/KG	ND	ND	ND	ND	E310	ND	ND
PCB 138	590	NG/KG	ND	E240	ND	ND	650	E130	ND
PCB 158	510	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 187	470	NG/KG	ND	E140	ND	ND	ND	ND	ND
PCB 183	530	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 126	720	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 128	570	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 167	620	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 177	650	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 201	530	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 156	620	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 180	530	NG/KG	ND	E200	ND	ND	E320	E210	ND
PCB 170	570	NG/KG	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1100	NG/KG	0	0	0	0	3830	0	0

ND=not detected
E=Estimated value below MDL, but qualified.

SOUTH BAY OCEAN OUTFALL MONITORING
SEDIMENT ANNUAL - PCB Congeners Random Stations

Annual 2012

Source:			8234	8235	8237	8238	8241	8242	8243
Analyte	MDL	Units	09-JUL-2012	23-JUL-2012	23-JUL-2012	17-JUL-2012	23-JUL-2012	19-JUL-2012	24-JUL-2012
PCB 18	540	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 28	660	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 52	1000	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 49	850	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 44	890	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 37	340	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 74	900	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 70	1100	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 66	920	NG/KG	ND	ND	ND	E160	ND	ND	ND
PCB 101	430	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 99	660	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 119	560	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 87	600	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 110	640	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 81	590	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 151	640	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 77	790	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 149	500	NG/KG	ND	ND	ND	E360	ND	ND	ND
PCB 123	660	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 118	830	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 105	720	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 138	590	NG/KG	ND	ND	ND	E500	ND	ND	ND
PCB 158	510	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 187	470	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 183	530	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 126	720	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 128	570	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 167	620	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 177	650	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 201	530	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 156	620	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 180	530	NG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 170	570	NG/KG	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1100	NG/KG	0	0	0	0	0	0	0

ND=not detected
E=Estimated value below MDL, but qualified.

SOUTH BAY OCEAN OUTFALL MONITORING
SEDIMENT ANNUAL - PCB Congeners Random Stations

Annual 2012

Source:			8250	8251	8252	8254	8259
Analyte	MDL	Units	16-JUL-2012	24-JUL-2012	24-JUL-2012	24-JUL-2012	24-JUL-2012
PCB 18	540	NG/KG	ND	ND	ND	ND	ND
PCB 28	660	NG/KG	ND	ND	ND	ND	ND
PCB 52	1000	NG/KG	ND	ND	ND	E240	ND
PCB 49	850	NG/KG	ND	ND	ND	E140	ND
PCB 44	890	NG/KG	ND	ND	ND	E120	ND
PCB 37	340	NG/KG	ND	ND	ND	ND	ND
PCB 74	900	NG/KG	ND	ND	ND	E83	ND
PCB 70	1100	NG/KG	ND	ND	ND	E160	ND
PCB 66	920	NG/KG	ND	ND	ND	E170	ND
PCB 101	430	NG/KG	ND	ND	ND	510	ND
PCB 99	660	NG/KG	ND	ND	ND	ND	ND
PCB 119	560	NG/KG	ND	ND	ND	ND	ND
PCB 87	600	NG/KG	ND	ND	ND	ND	ND
PCB 110	640	NG/KG	ND	ND	ND	ND	ND
PCB 81	590	NG/KG	ND	ND	ND	ND	ND
PCB 151	640	NG/KG	ND	ND	ND	ND	ND
PCB 77	790	NG/KG	ND	ND	ND	ND	ND
PCB 149	500	NG/KG	ND	ND	ND	630	ND
PCB 123	660	NG/KG	ND	ND	ND	ND	ND
PCB 118	830	NG/KG	ND	ND	ND	E560	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND
PCB 105	720	NG/KG	ND	ND	ND	E660	ND
PCB 138	590	NG/KG	ND	ND	ND	690	ND
PCB 158	510	NG/KG	ND	ND	ND	ND	ND
PCB 187	470	NG/KG	ND	ND	ND	520	ND
PCB 183	530	NG/KG	ND	ND	ND	ND	ND
PCB 126	720	NG/KG	ND	ND	ND	ND	ND
PCB 128	570	NG/KG	ND	ND	ND	E320	ND
PCB 167	620	NG/KG	ND	ND	ND	ND	ND
PCB 177	650	NG/KG	ND	ND	ND	E220	ND
PCB 201	530	NG/KG	ND	ND	ND	ND	ND
PCB 156	620	NG/KG	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND
PCB 180	530	NG/KG	ND	ND	ND	850	ND
PCB 170	570	NG/KG	ND	ND	ND	ND	ND
Total PCB's	1100	NG/KG	0	0	0	3200	0

ND=not detected
E=Estimated value below MDL, but qualified.

B. Fish Tissue Data.

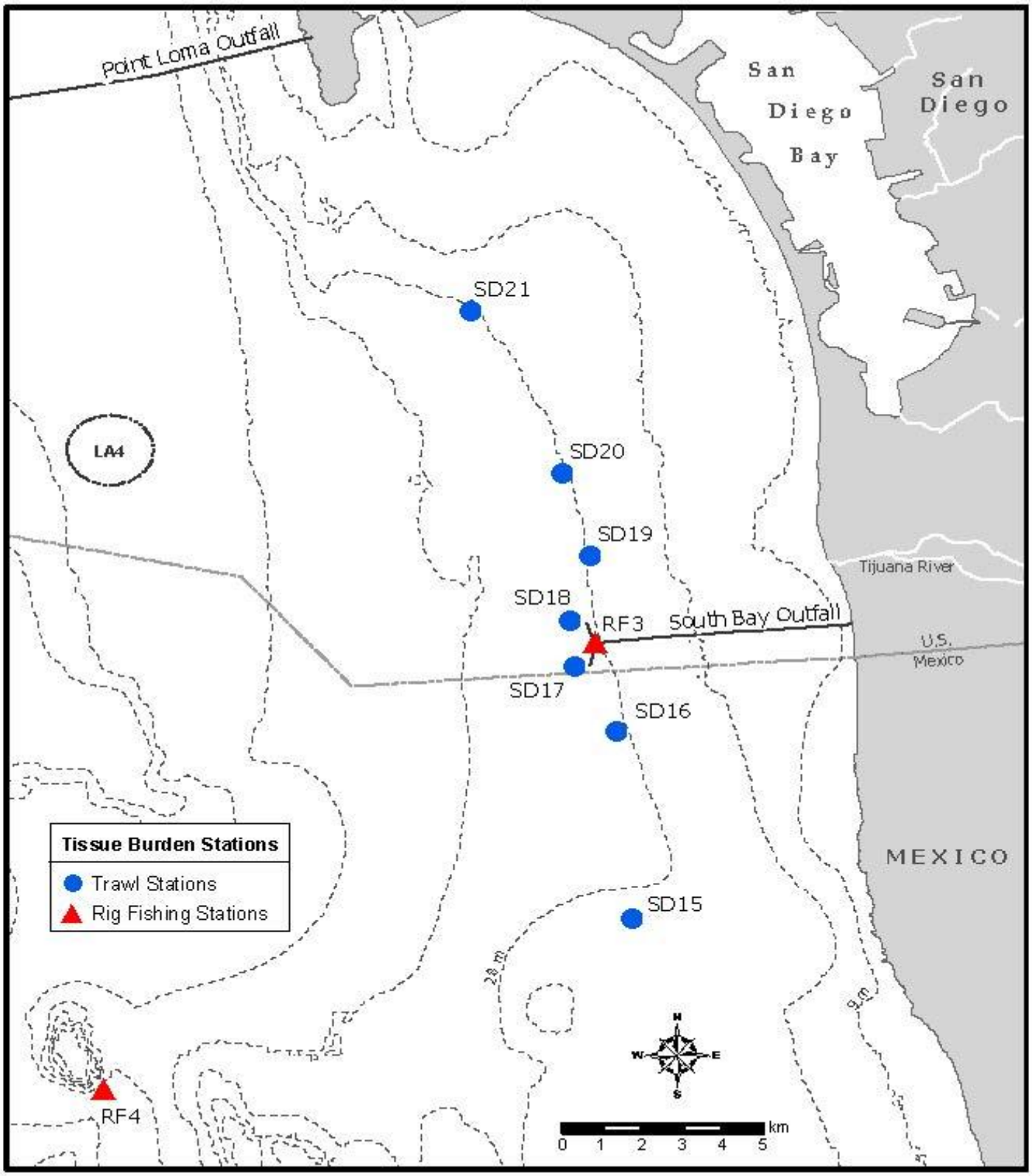
Fish were taken from the following stations during 2012. The fish were dissected, preserved by freezing, and each sample analyzed for PAHs, trace metals, chlorinated pesticides and PCBs. Lipids and total solids were also determined for each sample.

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 2102

FISH - Lipids & Total Solids

Source:				SD-15	SD-16	SD-17	SD-18	SD-19	SD-20
Date:				2012	2012	2012	2012	2012	2012
Tissue	Analyte	MDL	Units	Avg	Avg	Avg	Avg	Avg	Avg
Liver	Lipids	.005	WT%	7.0	10.3	6.1	17.1	11.1	12.9
Liver	Total Solids	.4	WT%	29.3	32.5	29.2	38.6	31.6	33.7

Source:				SD-21	RF-3	RF-4
Date:				2012	2012	2012
Tissue	Analyte	MDL	Units	Avg	Avg	Avg
Liver	Lipids	.005	WT%	11.0		
Liver	Total Solids	.4	WT%	30.0		
Muscle	Lipids	.005	WT%		0.4	0.4
Muscle	Total Solids	.4	WT%		21.1	21.3

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
FISH TISSUE – MUSCLE

Trace Metals

Annual 2012

Source:			RF-3	RF-4
Date:			2012	2012
Analyte:	MDL	Units	Average	Average
Aluminum	3	MG/KG	<3	ND
Antimony	.2	MG/KG	ND	ND
Arsenic	.24	MG/KG	2.04	2.63
Beryllium	.006	MG/KG	ND	ND
Cadmium	.06	MG/KG	ND	ND
Chromium	.1	MG/KG	0.2	0.2
Copper	.3	MG/KG	<0.3	<0.3
Iron	2	MG/KG	<2	<2
Lead	.2	MG/KG	ND	ND
Manganese	.1	MG/KG	0.1	ND
Nickel	.2	MG/KG	<0.2	ND
Selenium	.06	MG/KG	0.33	0.26
Silver	.05	MG/KG	ND	ND
Thallium, Total Recoverable	.4	MG/KG	0.4	<0.4
Tin	.2	MG/KG	0.2	0.2
Zinc	.15	MG/KG	3.6	3.4
Total Solids	.4	WT%	21.1	21.3

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
FISH TISSUE – LIVER

Trace Metals

Annual 2012

Source:			SD-15	SD-16	SD-17	SD-18	SD-19
Date:			2012	2012	2012	2012	2012
Analyte	MDL	Units	Average	Average	Average	Average	Average
Aluminum	3	MG/KG	16	13	11	19	11
Antimony	.2	MG/KG	ND	ND	ND	ND	ND
Arsenic	.24	MG/KG	5.44	8.3	9.21	7.48	6.63
Beryllium	.006	MG/KG	ND	ND	ND	ND	ND
Cadmium	.06	MG/KG	10.4	1.97	2.67	4.23	3.01
Chromium	.1	MG/KG	0.3	0.3	0.2	0.3	0.3
Copper	.3	MG/KG	6.2	8.5	6.2	8	5.9
Iron	2	MG/KG	60	109	86	90	51
Lead	.2	MG/KG	ND	0.3	<0.2	0.3	<0.2
Manganese	.1	MG/KG	1.9	1.3	1.4	1.4	1.4
Nickel	.2	MG/KG	ND	<0.2	ND	<0.2	<0.2
Selenium	.06	MG/KG	1.25	0.87	0.84	0.83	0.54
Thallium, Total Recoverable	.4	MG/KG	0.6	0.8	0.6	0.9	0.6
Tin	.2	MG/KG	0.5	0.6	0.6	0.8	0.6
Zinc	.15	MG/KG	36.4	42.5	36.8	32.7	44.8
Total Solids	.4	WT%	29.3	32.5	29.2	38.6	31.6

Source:			SD-20	SD-21
Date:			2012	2012
Analyte	MDL	Units	Average	Average
Aluminum	3	MG/KG	16	11
Antimony	.2	MG/KG	ND	ND
Arsenic	.24	MG/KG	9.32	5.52
Beryllium	.006	MG/KG	ND	ND
Cadmium	.06	MG/KG	3.02	2.09
Chromium	.1	MG/KG	0.3	0.3
Copper	.3	MG/KG	8.1	7.1
Iron	2	MG/KG	99	63
Lead	.2	MG/KG	0.2	0.2
Manganese	.1	MG/KG	1.5	1.7
Nickel	.2	MG/KG	<0.2	ND
Selenium	.06	MG/KG	0.54	0.49
Thallium, Total Recoverable	.4	MG/KG	0.7	0.6
Tin	.2	MG/KG	0.6	0.5
Zinc	.15	MG/KG	43.1	45
Total Solids	.4	WT%	33.7	30

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
FISH LIVER - Chlorinated Pesticides

Annual 2012

Source:			SD-15	SD-16	SD-17	SD-18	SD-19
Date:			2012	2012	2012	2012	2012
Analyte	MDL	Units	Average Value	Average Value	Average Value	Average Value	Average Value
Hexachlorobenzene	1.32	UG/KG	E0.87	<1.32	<1.32	2.13	<1.32
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	<2.76	<2.76	<2.79	<2.79	<2.79
Alpha Endosulfan	118	UG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	4.56	UG/KG	ND	ND	ND	<4.56	ND
Trans Nonachlor	2.58	UG/KG	ND	ND	ND	<2.58	ND
p,p-DDE	2.08	UG/KG	33.7	95.1	67.8	205	90.3
Dieldrin	17.1	UG/KG	ND	<17.1	ND	ND	ND
o,p-DDD	2.02	UG/KG	ND	ND	ND	<2.02	<2.02
Endrin	14.2	UG/KG	ND	<14.2	ND	ND	ND
o,p-DDT	1.62	UG/KG	ND	ND	ND	ND	ND
p,p-DDD	3.36	UG/KG	<3.36	<3.36	<3.36	E4.2	<3.36
p,p-DDT	2.69	UG/KG	ND	<2.69	ND	<2.69	<2.69
Mirex	1.49	UG/KG	ND	ND	<1.49	ND	ND

Source:			SD-20	SD-21
Date:			2012	2012
Analyte	MDL	Units	Average Value	Average Value
Hexachlorobenzene	1.32	UG/KG	<1.32	E1.63
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	<2.79	<2.79
Alpha Endosulfan	118	UG/KG	ND	ND
Alpha (cis) Chlordane	4.56	UG/KG	ND	ND
Trans Nonachlor	2.58	UG/KG	<2.58	ND
p,p-DDE	2.08	UG/KG	97.8	92
Dieldrin	17.1	UG/KG	ND	ND
o,p-DDD	2.02	UG/KG	<2.02	ND
Endrin	14.2	UG/KG	ND	ND
o,p-DDT	1.62	UG/KG	ND	ND
p,p-DDD	3.36	UG/KG	<3.36	<3.36
p,p-DDT	2.69	UG/KG	<2.69	<2.69
Mirex	1.49	UG/KG	ND	ND

ND= not detected
E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS.

SOUTH BAY WATER RECLAMATION PLANT
FISH MUSCLE - Chlorinated Pesticides

Annual 2012

Source:			RF-3	RF-4
Date:			2012	2012
Analyte	MDL	Units	Avg	Avg
Hexachlorobenzene	.13	UG/KG	<0.13	<0.13
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	1.69	2.76
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	ND
p,p-DDT	.27	UG/KG	ND	ND
Mirex	.15	UG/KG	ND	ND

ND= not detected

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

Annual 2012

Source:			SD-15	SD-16	SD-17	SD-18
Date:			2012	2012	2012	2012
Analyte	MDL	Units	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	ND	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

Source:			SD-19	SD-20	SD-21
Date:			2012	2012	2012
Analyte	MDL	Units	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 2012

Source:			RF-3	RF-4
Date:			2012	2012
Analyte	MDL	Units	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 2012

Source:			SD-15	SD-16	SD-17	SD-18	SD-19	SD-20	SD-21
Date:			2012	2012	2012	2012	2012	2012	2012
Analyte	MDL	Units	Value	Value	Value	Value	Value	Value	Value
PCB 18	2.86	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 28	2.47	UG/KG	ND	ND	<2.47	<2.47	ND	<2.47	<2.47
PCB 49	5.02	UG/KG	E0.47	E0.71	<5.02	E1.12	<5.02	<5.02	<5.02
PCB 37	2.77	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 70	2.49	UG/KG	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49	<2.49
PCB 101	4.34	UG/KG	<4.34	<4.34	<4.34	E5.92	<4.34	<4.34	<4.34
PCB 119	2.39	UG/KG	ND	ND	ND	<2.39	ND	ND	ND
PCB 87	3.01	UG/KG	ND	ND	<3.01	<3.01	ND	ND	ND
PCB 110	2.5	UG/KG	ND	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
PCB 151	1.86	UG/KG	<1.86	<1.86	<1.86	E2.70	<1.86	<1.86	<1.86
PCB 77	2.01	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 149	2.34	UG/KG	<2.34	<2.34	<2.34	E4.97	E2.58	E3.03	E3.8
PCB 123	2.64	UG/KG	ND	ND	ND	<2.64	ND	<2.64	ND
PCB 118	2.06	UG/KG	<2.06	E3.5	2.73	E10.2	E3.38	E3.12	6.63
PCB 114	3.15	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 153/168	2.54	UG/KG	5.77	13.4	9.78	32.7	10.1	13.3	21.4
PCB 105	2.29	UG/KG	ND	<2.29	ND	<2.29	ND	ND	<2.29
PCB 138	1.73	UG/KG	2.97	6.18	4.05	16.30	4.96	6.56	11.3
PCB 158	2.72	UG/KG	ND	<2.72	<2.72	<2.72	ND	<2.72	<2.72
PCB 187	2.5	UG/KG	E3.1	E6.37	4.3	14.3	E4.88	E5.78	8.37
PCB 183	1.55	UG/KG	ND	<1.55	<1.55	E3.03	<1.55	<1.55	E1.82
PCB 126	1.52	UG/KG	ND	ND	ND	ND	ND	ND	ND
PCB 128	1.23	UG/KG	ND	<1.23	<1.23	2.6	<1.23	<1.23	1.47
PCB 167	1.63	UG/KG	ND	<1.63	ND	<1.63	<1.63	<1.63	ND
PCB 177	1.91	UG/KG	ND	<1.91	<1.91	E2.83	<1.91	<1.91	ND
PCB 156	.64	UG/KG	ND	<0.64	<0.64	0.98	ND	<0.64	ND
PCB 157	2.88	UG/KG	ND	ND	ND	<2.88	ND	<2.88	ND
PCB 180	2.58	UG/KG	<2.58	E3.85	E2.98	E11.1	E3.07	E4.71	E7.13
PCB 170	1.23	UG/KG	<1.23	E1.79	<1.23	4.43	<1.23	1.45	E2.08
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	ND	<1.14	<1.14	E2.38	<1.14	<1.14	1.42
PCB 206	1.28	UG/KG	<1.28	<1.28	<1.28	E1.62	<1.28	<1.28	1.28

ND= not detected
E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS.

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

Annual 2012

Source:			RF-3	RF-4
Date:			2012	2012
Analyte	MDL	Units	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	ND
PCB 101	.43	UG/KG	ND	ND
PCB 119	.24	UG/KG	ND	ND
PCB 87	.3	UG/KG	ND	ND
PCB 110	.25	UG/KG	ND	ND
PCB 151	.19	UG/KG	ND	ND
PCB 77	.2	UG/KG	ND	ND
PCB 149	.23	UG/KG	<0.23	<0.23
PCB 123	.26	UG/KG	ND	ND
PCB 118	.21	UG/KG	<0.21	<0.21
PCB 114	.31	UG/KG	ND	ND
PCB 153/168	.25	UG/KG	<0.25	0.48
PCB 105	.23	UG/KG	ND	ND
PCB 138	.17	UG/KG	<0.17	0.18
PCB 158	.27	UG/KG	ND	ND
PCB 187	.25	UG/KG	<0.25	<0.25
PCB 183	.15	UG/KG	ND	<0.15
PCB 126	.15	UG/KG	ND	ND
PCB 128	.12	UG/KG	ND	<0.12
PCB 167	.16	UG/KG	ND	ND
PCB 177	.19	UG/KG	ND	ND
PCB 156	.06	UG/KG	ND	ND
PCB 157	.29	UG/KG	ND	ND
PCB 180	.26	UG/KG	<0.26	<0.26
PCB 170	.12	UG/KG	ND	<0.12
PCB 169	.28	UG/KG	ND	ND
PCB 189	.18	UG/KG	ND	ND
PCB 194	.11	UG/KG	ND	ND
PCB 206	.13	UG/KG	ND	ND

ND= not detected

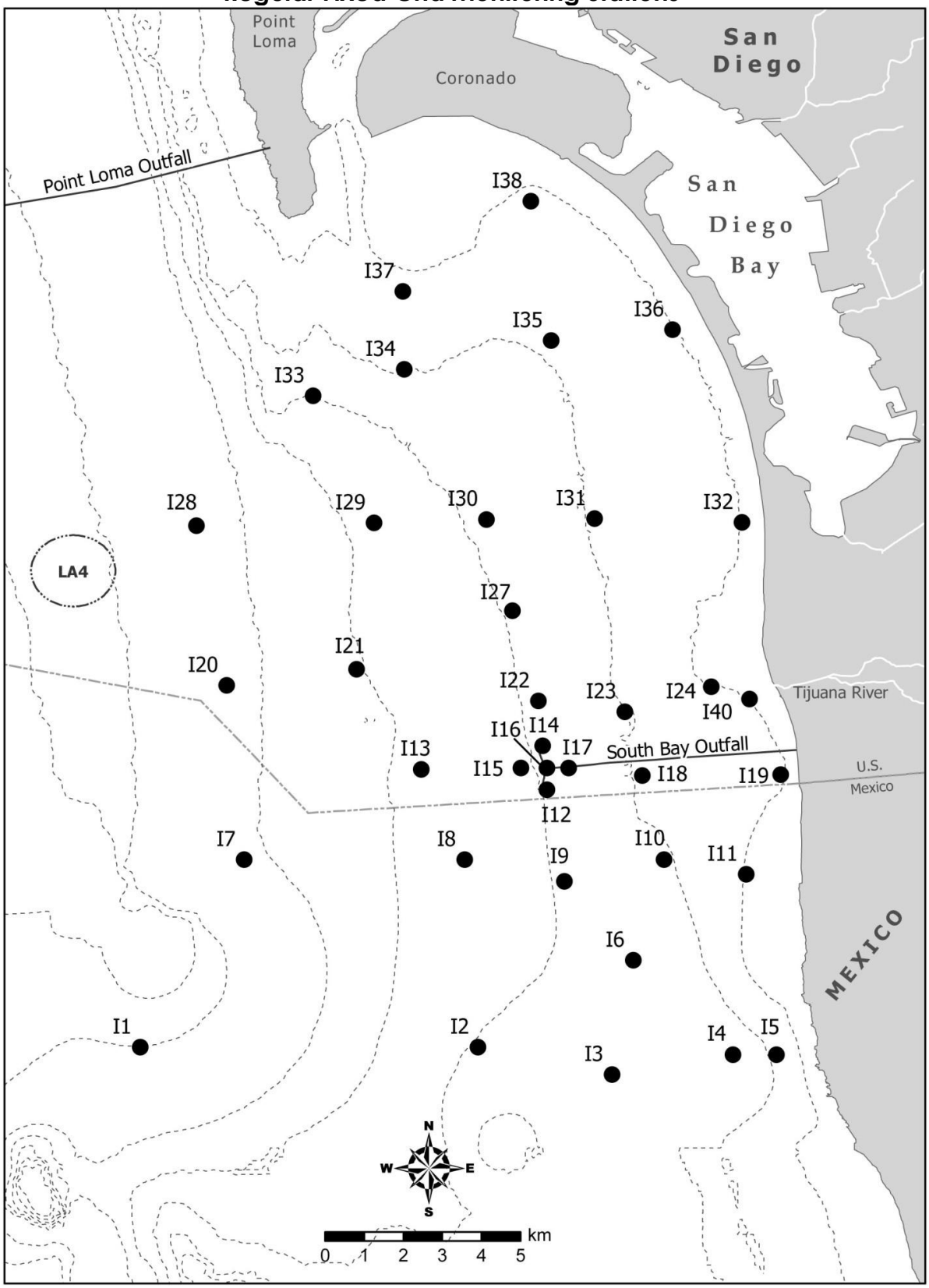
C. Seawater Data

Seawater is collected monthly at the following stations for analysis of total suspended solids (TSS) and Oil & Grease (O&G). Samples for TSS analysis are collected at 3 depths, sub-surface, mid-depth, and bottom, for each station shown in the following table. Oil and Grease samples are only collected from the 5 foot depth. The Oil & Grease analysis was changed to a Hexane Extractable Material (HEM) method. A report of analyses for each month is attached.

Table 1. Regular Fixed Grid Seawater sampling stations.

Station	Station
I-3	I-21
I-5	I-22
I-7	I-23
I-8	I-24
I-9	I-25
I-10	I-26
I-11	I-30
I-12	I-32
I-13	I-33
I-14	I-36
I-16	I-37
I-18	I-38
I-19	I-39
I-20	I-40

Regular Fixed Grid Monitoring Stations



South Bay Ocean Outfall Monitoring

From 01-JAN-2012 to 30-JUN-2012

Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-3 2 M	05-JAN-2012	ND	4.5
I-3 2 M	07-FEB-2012	ND	<1.4
I-3 2 M	06-MAR-2012	ND	2.7
I-3 2 M	19-APR-2012	ND	3.1
I-3 2 M	02-MAY-2012	ND	2.6
I-3 2 M	05-JUN-2012	ND	1.9
I-3 18 M	05-JAN-2012		3.3
I-3 18 M	07-FEB-2012		1.5
I-3 18 M	06-MAR-2012		ND
I-3 18 M	19-APR-2012		ND
I-3 18 M	02-MAY-2012		2.3
I-3 18 M	05-JUN-2012		2.6
I-3 27 M	05-JAN-2012		5.7
I-3 27 M	07-FEB-2012		3.4
I-3 27 M	06-MAR-2012		ND
I-3 27 M	19-APR-2012		1.9
I-3 27 M	02-MAY-2012		3.4
I-3 27 M	05-JUN-2012		2.4
I-5 2 M	05-JAN-2012	ND	5.3
I-5 2 M	07-FEB-2012	ND	2.2
I-5 2 M	06-MAR-2012	ND	1.6
I-5 2 M	19-APR-2012	ND	4.4
I-5 2 M	02-MAY-2012	ND	5.5
I-5 2 M	05-JUN-2012	ND	3.3
I-5 6 M	05-JAN-2012		5.0
I-5 6 M	07-FEB-2012		2.9
I-5 6 M	06-MAR-2012		2.4
I-5 6 M	19-APR-2012		6.6
I-5 6 M	02-MAY-2012		3.6
I-5 6 M	05-JUN-2012		3.3
I-5 11 M	05-JAN-2012		6.5
I-5 11 M	07-FEB-2012		5.4
I-5 11 M	06-MAR-2012		3.9
I-5 11 M	19-APR-2012		3.1
I-5 11 M	02-MAY-2012		4.5
I-5 11 M	05-JUN-2012		4.5
I-7 2 M	05-JAN-2012	ND	2.2
I-7 2 M	07-FEB-2012	ND	<1.4
I-7 2 M	06-MAR-2012	ND	3.1
I-7 2 M	19-APR-2012	ND	3.1
I-7 2 M	02-MAY-2012	ND	3.3
I-7 2 M	05-JUN-2012	ND	2.7

ND=not detected

South Bay Ocean Outfall Monitoring

From 01-JAN-2012 to 30-JUN-2012

Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-7 18 M	05-JAN-2012		4.1
I-7 18 M	07-FEB-2012		ND
I-7 18 M	06-MAR-2012		ND
I-7 18 M	19-APR-2012		2.1
I-7 18 M	02-MAY-2012		3.2
I-7 18 M	05-JUN-2012		2.7
I-7 52 M	05-JAN-2012		16.1
I-7 52 M	07-FEB-2012		ND
I-7 52 M	06-MAR-2012		ND
I-7 52 M	19-APR-2012		3.8
I-7 52 M	02-MAY-2012		2.7
I-7 52 M	05-JUN-2012		2.7
I-8 2 M	05-JAN-2012	ND	ND
I-8 2 M	07-FEB-2012	ND	1.4
I-8 2 M	06-MAR-2012	ND	2.6
I-8 2 M	19-APR-2012	ND	4.4
I-8 2 M	02-MAY-2012	ND	1.8
I-8 2 M	05-JUN-2012	ND	3.5
I-8 18 M	05-JAN-2012		ND
I-8 18 M	07-FEB-2012		2.3
I-8 18 M	06-MAR-2012		2.3
I-8 18 M	19-APR-2012		2.8
I-8 18 M	02-MAY-2012		3.1
I-8 18 M	05-JUN-2012		3.7
I-8 37 M	05-JAN-2012		9.5
I-8 37 M	07-FEB-2012		6.0
I-8 37 M	06-MAR-2012		1.5
I-8 37 M	19-APR-2012		4.7
I-8 37 M	02-MAY-2012		4.2
I-8 37 M	05-JUN-2012		2.9
I-9 2 M	05-JAN-2012	ND	2.3
I-9 2 M	07-FEB-2012	ND	6.4
I-9 2 M	06-MAR-2012	ND	4.8
I-9 2 M	19-APR-2012	ND	4.3
I-9 2 M	02-MAY-2012	ND	2.6
I-9 2 M	05-JUN-2012	ND	4.0
I-9 18 M	05-JAN-2012		2.8
I-9 18 M	07-FEB-2012		2.1
I-9 18 M	06-MAR-2012		2.8
I-9 18 M	19-APR-2012		ND
I-9 18 M	02-MAY-2012		2.0
I-9 18 M	05-JUN-2012		3.1
I-9 27 M	05-JAN-2012		4.7
I-9 27 M	07-FEB-2012		2.1
I-9 27 M	06-MAR-2012		3.1
I-9 27 M	19-APR-2012		2.9
I-9 27 M	02-MAY-2012		ND
I-9 27 M	05-JUN-2012		2.9

ND=not detected

South Bay Ocean Outfall Monitoring

From 01-JAN-2012 to 30-JUN-2012

Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-10 2 M	05-JAN-2012	ND	4.9
I-10 2 M	07-FEB-2012	ND	1.5
I-10 2 M	06-MAR-2012	ND	3.9
I-10 2 M	19-APR-2012	ND	3.2
I-10 2 M	02-MAY-2012	ND	1.9
I-10 2 M	05-JUN-2012	ND	2.3
I-10 12 M	05-JAN-2012		1.6
I-10 12 M	07-FEB-2012		2.2
I-10 12 M	06-MAR-2012		1.8
I-10 12 M	19-APR-2012		6.0
I-10 12 M	02-MAY-2012		4.4
I-10 12 M	05-JUN-2012		5.3
I-10 18 M	05-JAN-2012		3.3
I-10 18 M	07-FEB-2012		3.2
I-10 18 M	06-MAR-2012		2.6
I-10 18 M	19-APR-2012		4.9
I-10 18 M	02-MAY-2012		2.4
I-10 18 M	05-JUN-2012		4.0
I-11 2 M	05-JAN-2012	2.5	5.5
I-11 2 M	07-FEB-2012	ND	<1.4
I-11 2 M	06-MAR-2012	ND	<1.4
I-11 2 M	19-APR-2012	ND	4.4
I-11 2 M	02-MAY-2012	ND	3.3
I-11 2 M	05-JUN-2012	ND	2.8
I-11 6 M	05-JAN-2012		6.1
I-11 6 M	07-FEB-2012		ND
I-11 6 M	06-MAR-2012		1.6
I-11 6 M	19-APR-2012		5.7
I-11 6 M	02-MAY-2012		3.0
I-11 6 M	05-JUN-2012		2.3
I-11 11 M	05-JAN-2012		6.6
I-11 11 M	07-FEB-2012		2.6
I-11 11 M	06-MAR-2012		3.1
I-11 11 M	19-APR-2012		5.6
I-11 11 M	02-MAY-2012		4.3
I-11 11 M	05-JUN-2012		4.4
I-12 2 M	04-JAN-2012	ND	1.4
I-12 2 M	08-FEB-2012	ND	2.9
I-12 2 M	07-MAR-2012	ND	2.4
I-12 2 M	18-APR-2012	ND	3.6
I-12 2 M	03-MAY-2012	ND	4.3
I-12 2 M	06-JUN-2012	ND	2.2
I-12 18 M	04-JAN-2012		2.2
I-12 18 M	08-FEB-2012		1.5
I-12 18 M	07-MAR-2012		2.1
I-12 18 M	18-APR-2012		6.1
I-12 18 M	03-MAY-2012		2.9
I-12 18 M	06-JUN-2012		2.9

ND=not detected

South Bay Ocean Outfall Monitoring

From 01-JAN-2012 to 30-JUN-2012

Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-12 27 M	04-JAN-2012		5.9
I-12 27 M	08-FEB-2012		3.1
I-12 27 M	07-MAR-2012		2.4
I-12 27 M	18-APR-2012		4.9
I-12 27 M	03-MAY-2012		2.7
I-12 27 M	06-JUN-2012		3.7
I-13 2 M	05-JAN-2012	ND	1.7
I-13 2 M	07-FEB-2012	ND	1.5
I-13 2 M	06-MAR-2012	ND	4.8
I-13 2 M	19-APR-2012	ND	3.1
I-13 2 M	02-MAY-2012	ND	4.1
I-13 2 M	05-JUN-2012	1.5	ND
I-13 18 M	05-JAN-2012		ND
I-13 18 M	07-FEB-2012		1.5
I-13 18 M	06-MAR-2012		2.2
I-13 18 M	19-APR-2012		3.2
I-13 18 M	02-MAY-2012		2.2
I-13 18 M	05-JUN-2012		3.1
I-13 37 M	05-JAN-2012		7.5
I-13 37 M	07-FEB-2012		1.9
I-13 37 M	06-MAR-2012		2.8
I-13 37 M	19-APR-2012		5.3
I-13 37 M	02-MAY-2012		2.7
I-13 37 M	05-JUN-2012		2.4
I-14 2 M	04-JAN-2012	ND	1.4
I-14 2 M	08-FEB-2012	ND	ND
I-14 2 M	07-MAR-2012	ND	2.3
I-14 2 M	18-APR-2012	ND	3.6
I-14 2 M	03-MAY-2012	ND	2.3
I-14 2 M	06-JUN-2012	ND	2.2
I-14 18 M	04-JAN-2012		ND
I-14 18 M	08-FEB-2012		ND
I-14 18 M	07-MAR-2012		ND
I-14 18 M	18-APR-2012		2.4
I-14 18 M	03-MAY-2012		2.9
I-14 18 M	06-JUN-2012		2.7
I-14 27 M	04-JAN-2012		8.1
I-14 27 M	08-FEB-2012		3.3
I-14 27 M	07-MAR-2012		2.4
I-14 27 M	18-APR-2012		4.5
I-14 27 M	03-MAY-2012		2.3
I-14 27 M	06-JUN-2012		5.0
I-16 2 M	04-JAN-2012	ND	<1.4
I-16 2 M	08-FEB-2012	ND	1.9
I-16 2 M	07-MAR-2012	ND	2.1
I-16 2 M	18-APR-2012	ND	6.4
I-16 2 M	03-MAY-2012	ND	3.3
I-16 2 M	06-JUN-2012	ND	3.1

ND=not detected

South Bay Ocean Outfall Monitoring

From 01-JAN-2012 to 30-JUN-2012

Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-16 18 M	04-JAN-2012		ND
I-16 18 M	08-FEB-2012		2.0
I-16 18 M	07-MAR-2012		ND
I-16 18 M	18-APR-2012		1.7
I-16 18 M	03-MAY-2012		3.1
I-16 18 M	06-JUN-2012		4.1
I-16 27 M	04-JAN-2012		2.2
I-16 27 M	08-FEB-2012		2.0
I-16 27 M	07-MAR-2012		1.5
I-16 27 M	18-APR-2012		4.4
I-16 27 M	03-MAY-2012		5.7
I-16 27 M	06-JUN-2012		4.9
I-18 2 M	04-JAN-2012	ND	4.3
I-18 2 M	08-FEB-2012	ND	ND
I-18 2 M	07-MAR-2012	ND	1.6
I-18 2 M	18-APR-2012	ND	5.0
I-18 2 M	03-MAY-2012	ND	3.7
I-18 2 M	06-JUN-2012	2.9	2.5
I-18 12 M	04-JAN-2012		2.7
I-18 12 M	08-FEB-2012		5.4
I-18 12 M	07-MAR-2012		ND
I-18 12 M	18-APR-2012		3.3
I-18 12 M	03-MAY-2012		2.5
I-18 12 M	06-JUN-2012		4.0
I-18 18 M	04-JAN-2012		11.2
I-18 18 M	08-FEB-2012		6.2
I-18 18 M	07-MAR-2012		4.2
I-18 18 M	18-APR-2012		3.8
I-18 18 M	03-MAY-2012		4.4
I-18 18 M	06-JUN-2012		9.8
I-19 2 M	04-JAN-2012	ND	10.6
I-19 2 M	08-FEB-2012	ND	5.4
I-19 2 M	07-MAR-2012	ND	5.5
I-19 2 M	18-APR-2012	ND	9.8
I-19 2 M	03-MAY-2012	ND	5.0
I-19 2 M	06-JUN-2012	ND	11.2
I-19 6 M	04-JAN-2012		22.2
I-19 6 M	08-FEB-2012		9.7
I-19 6 M	07-MAR-2012		5.3
I-19 6 M	18-APR-2012		5.5
I-19 6 M	03-MAY-2012		5.1
I-19 6 M	06-JUN-2012		21.2
I-19 11 M	04-JAN-2012		29.3
I-19 11 M	08-FEB-2012		11.6
I-19 11 M	07-MAR-2012		9.5
I-19 11 M	18-APR-2012		18.0
I-19 11 M	03-MAY-2012		5.8
I-19 11 M	06-JUN-2012		21.6

ND=not detected

South Bay Ocean Outfall Monitoring

From 01-JAN-2012 to 30-JUN-2012

Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-20 2 M	05-JAN-2012	ND	2.2
I-20 2 M	07-FEB-2012	ND	ND
I-20 2 M	06-MAR-2012	ND	1.7
I-20 2 M	19-APR-2012	ND	5.6
I-20 2 M	02-MAY-2012	ND	2.5
I-20 2 M	05-JUN-2012	ND	2.8
I-20 18 M	05-JAN-2012		ND
I-20 18 M	07-FEB-2012		ND
I-20 18 M	06-MAR-2012		3.1
I-20 18 M	19-APR-2012		2.8
I-20 18 M	02-MAY-2012		2.3
I-20 18 M	05-JUN-2012		4.9
I-20 55 M	05-JAN-2012		ND
I-20 55 M	07-FEB-2012		ND
I-20 55 M	06-MAR-2012		4.0
I-20 55 M	19-APR-2012		3.0
I-20 55 M	02-MAY-2012		2.2
I-20 55 M	05-JUN-2012		3.3
I-21 2 M	05-JAN-2012	ND	ND
I-21 2 M	07-FEB-2012	ND	ND
I-21 2 M	06-MAR-2012	ND	2.7
I-21 2 M	19-APR-2012	ND	3.9
I-21 2 M	02-MAY-2012	ND	2.0
I-21 2 M	05-JUN-2012	ND	2.8
I-21 18 M	05-JAN-2012		4.4
I-21 18 M	07-FEB-2012		1.6
I-21 18 M	06-MAR-2012		2.4
I-21 18 M	19-APR-2012		3.5
I-21 18 M	02-MAY-2012		2.3
I-21 18 M	05-JUN-2012		2.4
I-21 37 M	05-JAN-2012		2.9
I-21 37 M	07-FEB-2012		2.5
I-21 37 M	06-MAR-2012		3.1
I-21 37 M	19-APR-2012		4.2
I-21 37 M	02-MAY-2012		2.3
I-21 37 M	05-JUN-2012		3.5
I-22 2 M	04-JAN-2012	ND	3.2
I-22 2 M	08-FEB-2012	ND	1.8
I-22 2 M	07-MAR-2012	ND	2.3
I-22 2 M	18-APR-2012	ND	5.9
I-22 2 M	03-MAY-2012	ND	8.7
I-22 2 M	06-JUN-2012	ND	3.6
I-22 18 M	04-JAN-2012		6.0
I-22 18 M	08-FEB-2012		2.0
I-22 18 M	07-MAR-2012		2.4
I-22 18 M	18-APR-2012		1.8
I-22 18 M	03-MAY-2012		3.7
I-22 18 M	06-JUN-2012		3.2

ND=not detected

South Bay Ocean Outfall Monitoring

From 01-JAN-2012 to 30-JUN-2012

Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-22 27 M	04-JAN-2012		11.4
I-22 27 M	08-FEB-2012		3.4
I-22 27 M	07-MAR-2012		3.6
I-22 27 M	18-APR-2012		3.4
I-22 27 M	03-MAY-2012		3.1
I-22 27 M	06-JUN-2012		5.9
I-23 2 M	04-JAN-2012	ND	4.9
I-23 2 M	08-FEB-2012	ND	2.1
I-23 2 M	07-MAR-2012	ND	2.5
I-23 2 M	18-APR-2012	ND	3.9
I-23 2 M	03-MAY-2012	ND	5.3
I-23 2 M	06-JUN-2012	ND	2.1
I-23 12 M	04-JAN-2012		5.7
I-23 12 M	08-FEB-2012		2.4
I-23 12 M	07-MAR-2012		ND
I-23 12 M	18-APR-2012		2.1
I-23 12 M	03-MAY-2012		3.0
I-23 12 M	06-JUN-2012		4.0
I-23 18 M	04-JAN-2012		5.3
I-23 18 M	08-FEB-2012		6.8
I-23 18 M	07-MAR-2012		7.4
I-23 18 M	18-APR-2012		3.4
I-23 18 M	03-MAY-2012		4.3
I-23 18 M	06-JUN-2012		10.3
I-24 2 M	04-JAN-2012	ND	7.6
I-24 2 M	08-FEB-2012	ND	3.2
I-24 2 M	07-MAR-2012	4.9	3.9
I-24 2 M	18-APR-2012	ND	6.0
I-24 2 M	03-MAY-2012	ND	5.0
I-24 2 M	06-JUN-2012	ND	3.8
I-24 6 M	04-JAN-2012		8.0
I-24 6 M	08-FEB-2012		2.4
I-24 6 M	07-MAR-2012		5.0
I-24 6 M	18-APR-2012		6.4
I-24 6 M	03-MAY-2012		4.5
I-24 6 M	06-JUN-2012		8.8
I-24 11 M	04-JAN-2012		10.0
I-24 11 M	08-FEB-2012		12.3
I-24 11 M	07-MAR-2012		11.5
I-24 11 M	18-APR-2012		8.5
I-24 11 M	03-MAY-2012		5.8
I-24 11 M	06-JUN-2012		7.6
I-25 2 M	04-JAN-2012	ND	9.3
I-25 2 M	08-FEB-2012	ND	ND
I-25 2 M	07-MAR-2012	ND	4.6
I-25 2 M	18-APR-2012	ND	4.9
I-25 2 M	03-MAY-2012	ND	3.8
I-25 2 M	06-JUN-2012	ND	3.1

ND=not detected

South Bay Ocean Outfall Monitoring

From 01-JAN-2012 to 30-JUN-2012

Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-25 6 M	04-JAN-2012		13.6
I-25 6 M	08-FEB-2012		1.8
I-25 6 M	07-MAR-2012		5.2
I-25 6 M	18-APR-2012		9.3
I-25 6 M	03-MAY-2012		4.2
I-25 6 M	06-JUN-2012		3.4
I-25 9 M	04-JAN-2012		20.0
I-25 9 M	08-FEB-2012		4.1
I-25 9 M	07-MAR-2012		6.7
I-25 9 M	18-APR-2012		19.2
I-25 9 M	03-MAY-2012		4.4
I-25 9 M	06-JUN-2012		6.6
I-26 2 M	04-JAN-2012	ND	6.9
I-26 2 M	08-FEB-2012	ND	2.6
I-26 2 M	07-MAR-2012	ND	2.6
I-26 2 M	18-APR-2012	ND	3.7
I-26 2 M	03-MAY-2012	1.7	10.7
I-26 2 M	06-JUN-2012	ND	9.0
I-26 6 M	04-JAN-2012		16.0
I-26 6 M	08-FEB-2012		2.9
I-26 6 M	07-MAR-2012		3.6
I-26 6 M	18-APR-2012		7.3
I-26 6 M	03-MAY-2012		5.0
I-26 6 M	06-JUN-2012		5.4
I-26 9 M	04-JAN-2012		20.5
I-26 9 M	08-FEB-2012		8.8
I-26 9 M	07-MAR-2012		9.3
I-26 9 M	18-APR-2012		8.1
I-26 9 M	03-MAY-2012		5.5
I-26 9 M	06-JUN-2012		6.6
I-30 2 M	03-JAN-2012	ND	<1.4
I-30 2 M	06-FEB-2012	ND	2.5
I-30 2 M	08-MAR-2012	4.1	3.6
I-30 2 M	20-APR-2012	ND	4.5
I-30 2 M	04-MAY-2012	ND	2.9
I-30 2 M	07-JUN-2012	ND	2.1
I-30 18 M	03-JAN-2012		2.0
I-30 18 M	06-FEB-2012		ND
I-30 18 M	08-MAR-2012		2.3
I-30 18 M	20-APR-2012		1.7
I-30 18 M	04-MAY-2012		5.3
I-30 18 M	07-JUN-2012		1.6
I-30 27 M	03-JAN-2012		1.9
I-30 27 M	06-FEB-2012		4.2
I-30 27 M	08-MAR-2012		4.4
I-30 27 M	20-APR-2012		5.2
I-30 27 M	04-MAY-2012		3.8
I-30 27 M	07-JUN-2012		2.6

ND=not detected

South Bay Ocean Outfall Monitoring

From 01-JAN-2012 to 30-JUN-2012

Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-32 2 M	03-JAN-2012	ND	6.3
I-32 2 M	06-FEB-2012	ND	2.3
I-32 2 M	08-MAR-2012	ND	5.9
I-32 2 M	20-APR-2012	ND	4.9
I-32 2 M	04-MAY-2012	ND	5.2
I-32 2 M	07-JUN-2012	ND	4.6
I-32 6 M	03-JAN-2012		5.5
I-32 6 M	06-FEB-2012		4.8
I-32 6 M	08-MAR-2012		2.2
I-32 6 M	20-APR-2012		8.1
I-32 6 M	04-MAY-2012		4.8
I-32 6 M	07-JUN-2012		5.2
I-32 9 M	03-JAN-2012		5.6
I-32 9 M	06-FEB-2012		16.4
I-32 9 M	08-MAR-2012		7.8
I-32 9 M	20-APR-2012		5.0
I-32 9 M	04-MAY-2012		6.0
I-32 9 M	07-JUN-2012		6.2
I-33 2 M	03-JAN-2012	ND	ND
I-33 2 M	06-FEB-2012	ND	2.5
I-33 2 M	08-MAR-2012	ND	1.5
I-33 2 M	20-APR-2012	ND	3.8
I-33 2 M	04-MAY-2012	1.8	3.6
I-33 2 M	07-JUN-2012	ND	5.5
I-33 18 M	03-JAN-2012		1.7
I-33 18 M	06-FEB-2012		2.6
I-33 18 M	08-MAR-2012		2.3
I-33 18 M	20-APR-2012		3.3
I-33 18 M	04-MAY-2012		2.2
I-33 18 M	07-JUN-2012		2.7
I-33 27 M	03-JAN-2012		2.7
I-33 27 M	06-FEB-2012		4.3
I-33 27 M	08-MAR-2012		6.4
I-33 27 M	20-APR-2012		5.4
I-33 27 M	04-MAY-2012		2.4
I-33 27 M	07-JUN-2012		4.5
I-36 2 M	03-JAN-2012	ND	4.0
I-36 2 M	06-FEB-2012	ND	3.6
I-36 2 M	08-MAR-2012	ND	3.7
I-36 2 M	20-APR-2012	ND	4.3
I-36 2 M	04-MAY-2012	ND	2.9
I-36 2 M	07-JUN-2012	ND	2.8
I-36 6 M	03-JAN-2012		4.8
I-36 6 M	06-FEB-2012		6.2
I-36 6 M	08-MAR-2012		5.0
I-36 6 M	20-APR-2012		4.7
I-36 6 M	04-MAY-2012		4.3
I-36 6 M	07-JUN-2012		3.7

ND=not detected

South Bay Ocean Outfall Monitoring

From 01-JAN-2012 to 30-JUN-2012

Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-36 11 M	03-JAN-2012		6.8
I-36 11 M	06-FEB-2012		6.8
I-36 11 M	08-MAR-2012		7.0
I-36 11 M	20-APR-2012		4.5
I-36 11 M	04-MAY-2012		10.9
I-36 11 M	07-JUN-2012		2.7
I-37 2 M	03-JAN-2012	ND	3.1
I-37 2 M	06-FEB-2012	ND	2.7
I-37 2 M	08-MAR-2012	ND	5.1
I-37 2 M	20-APR-2012	ND	5.9
I-37 2 M	04-MAY-2012	ND	3.7
I-37 2 M	07-JUN-2012	ND	3.2
I-37 6 M	03-JAN-2012		3.2
I-37 6 M	06-FEB-2012		2.7
I-37 6 M	08-MAR-2012		3.8
I-37 6 M	20-APR-2012		3.3
I-37 6 M	04-MAY-2012		5.0
I-37 6 M	07-JUN-2012		3.8
I-37 11 M	03-JAN-2012		3.1
I-37 11 M	06-FEB-2012		2.6
I-37 11 M	08-MAR-2012		5.7
I-37 11 M	20-APR-2012		4.7
I-37 11 M	04-MAY-2012		9.3
I-37 11 M	07-JUN-2012		7.8
I-38 2 M	03-JAN-2012	ND	3.0
I-38 2 M	06-FEB-2012	ND	2.4
I-38 2 M	08-MAR-2012	ND	4.9
I-38 2 M	20-APR-2012	ND	4.7
I-38 2 M	04-MAY-2012	ND	4.7
I-38 2 M	07-JUN-2012	ND	2.2
I-38 6 M	03-JAN-2012		2.9
I-38 6 M	06-FEB-2012		3.9
I-38 6 M	08-MAR-2012		4.0
I-38 6 M	20-APR-2012		4.3
I-38 6 M	04-MAY-2012		3.9
I-38 6 M	07-JUN-2012		1.9
I-38 11 M	03-JAN-2012		5.5
I-38 11 M	06-FEB-2012		8.1
I-38 11 M	08-MAR-2012		7.1
I-38 11 M	20-APR-2012		5.1
I-38 11 M	04-MAY-2012		6.2
I-38 11 M	07-JUN-2012		10.9
I-39 2 M	04-JAN-2012	ND	5.2
I-39 2 M	08-FEB-2012	ND	1.9
I-39 2 M	07-MAR-2012	ND	2.1
I-39 2 M	18-APR-2012	ND	5.2
I-39 2 M	03-MAY-2012	ND	2.9
I-39 2 M	06-JUN-2012	ND	1.8

ND=not detected

South Bay Ocean Outfall Monitoring

From 01-JAN-2012 to 30-JUN-2012

Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-39 12 M	04-JAN-2012		10.2
I-39 12 M	08-FEB-2012		4.9
I-39 12 M	07-MAR-2012		4.1
I-39 12 M	18-APR-2012		3.3
I-39 12 M	03-MAY-2012		3.5
I-39 12 M	06-JUN-2012		3.6
I-39 18 M	04-JAN-2012		31.2
I-39 18 M	08-FEB-2012		6.6
I-39 18 M	07-MAR-2012		4.4
I-39 18 M	18-APR-2012		8.7
I-39 18 M	03-MAY-2012		4.9
I-39 18 M	06-JUN-2012		9.4
I-40 2 M	04-JAN-2012	ND	8.8
I-40 2 M	08-FEB-2012	ND	7.6
I-40 2 M	07-MAR-2012	ND	5.9
I-40 2 M	18-APR-2012	ND	4.1
I-40 2 M	03-MAY-2012	ND	4.5
I-40 2 M	06-JUN-2012	ND	6.2
I-40 6 M	04-JAN-2012		9.6
I-40 6 M	08-FEB-2012		7.5
I-40 6 M	07-MAR-2012		6.0
I-40 6 M	18-APR-2012		6.0
I-40 6 M	03-MAY-2012		9.0
I-40 6 M	06-JUN-2012		7.3
I-40 9 M	04-JAN-2012		12.6
I-40 9 M	08-FEB-2012		9.4
I-40 9 M	07-MAR-2012		7.5
I-40 9 M	18-APR-2012		15.4
I-40 9 M	03-MAY-2012		6.5
I-40 9 M	06-JUN-2012		33.7

ND=not detected

South Bay Ocean Outfall Monitoring
Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

From 01-JUL-2012 to 31-DEC-2012

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-3 2 M	10-JUL-2012	ND	3.3
I-3 2 M	15-AUG-2012	ND	2.3
I-3 2 M	06-SEP-2012	ND	2.2
I-3 2 M	02-OCT-2012	ND	2.0
I-3 2 M	08-NOV-2012	ND	2.1
I-3 2 M	03-DEC-2012	ND	16.1
I-3 18 M	10-JUL-2012		3.3
I-3 18 M	15-AUG-2012		2.6
I-3 18 M	06-SEP-2012		2.6
I-3 18 M	02-OCT-2012		2.4
I-3 18 M	08-NOV-2012		ND
I-3 18 M	03-DEC-2012		3.2
I-3 27 M	10-JUL-2012		3.3
I-3 27 M	15-AUG-2012		2.8
I-3 27 M	06-SEP-2012		10.6
I-3 27 M	02-OCT-2012		3.1
I-3 27 M	08-NOV-2012		2.6
I-3 27 M	03-DEC-2012		11.4
I-5 2 M	10-JUL-2012	ND	2.1
I-5 2 M	15-AUG-2012	ND	2.4
I-5 2 M	06-SEP-2012	ND	3.6
I-5 2 M	02-OCT-2012	ND	2.3
I-5 2 M	08-NOV-2012	ND	3.4
I-5 2 M	03-DEC-2012	ND	8.2
I-5 6 M	10-JUL-2012		3.7
I-5 6 M	15-AUG-2012		3.8
I-5 6 M	06-SEP-2012		2.8
I-5 6 M	02-OCT-2012		2.2
I-5 6 M	08-NOV-2012		3.1
I-5 6 M	03-DEC-2012		7.0
I-5 11 M	10-JUL-2012		3.8
I-5 11 M	15-AUG-2012		5.9
I-5 11 M	06-SEP-2012		10.2
I-5 11 M	02-OCT-2012		13.5
I-5 11 M	08-NOV-2012		4.6
I-5 11 M	03-DEC-2012		7.9
I-7 2 M	10-JUL-2012	ND	3.7
I-7 2 M	15-AUG-2012	ND	2.7
I-7 2 M	06-SEP-2012	ND	1.6
I-7 2 M	02-OCT-2012	ND	<1.4
I-7 2 M	08-NOV-2012	ND	<1.4

ND=not detected

South Bay Ocean Outfall Monitoring
Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

From 01-JUL-2012 to 31-DEC-2012

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-7 2 M	03-DEC-2012	ND	2.1
I-7 18 M	10-JUL-2012		2.6
I-7 18 M	15-AUG-2012		1.8
I-7 18 M	06-SEP-2012		3.1
I-7 18 M	02-OCT-2012		1.4
I-7 18 M	08-NOV-2012		2.6
I-7 18 M	03-DEC-2012		1.8
I-7 52 M	10-JUL-2012		2.8
I-7 52 M	15-AUG-2012		2.3
I-7 52 M	06-SEP-2012		ND
I-7 52 M	02-OCT-2012		3.1
I-7 52 M	08-NOV-2012		1.6
I-7 52 M	03-DEC-2012		1.9
I-8 2 M	10-JUL-2012	ND	2.2
I-8 2 M	15-AUG-2012	ND	2.2
I-8 2 M	06-SEP-2012	ND	ND
I-8 2 M	02-OCT-2012	ND	2.7
I-8 2 M	08-NOV-2012	ND	1.6
I-8 2 M	03-DEC-2012	ND	2.1
I-8 18 M	10-JUL-2012		3.5
I-8 18 M	15-AUG-2012		3.1
I-8 18 M	06-SEP-2012		ND
I-8 18 M	02-OCT-2012		2.5
I-8 18 M	08-NOV-2012		2.2
I-8 18 M	03-DEC-2012		2.0
I-8 37 M	10-JUL-2012		2.6
I-8 37 M	15-AUG-2012		2.5
I-8 37 M	06-SEP-2012		2.2
I-8 37 M	02-OCT-2012		2.7
I-8 37 M	08-NOV-2012		1.9
I-8 37 M	03-DEC-2012		2.6
I-9 2 M	10-JUL-2012	ND	3.5
I-9 2 M	15-AUG-2012	ND	1.8
I-9 2 M	06-SEP-2012	ND	2.9
I-9 2 M	02-OCT-2012	ND	2.3
I-9 2 M	08-NOV-2012	ND	2.4
I-9 2 M	03-DEC-2012	ND	3.7
I-9 18 M	10-JUL-2012		2.7
I-9 18 M	15-AUG-2012		1.9
I-9 18 M	06-SEP-2012		2.9
I-9 18 M	02-OCT-2012		2.1

ND=not detected

South Bay Ocean Outfall Monitoring
Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

From 01-JUL-2012 to 31-DEC-2012

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-9 18 M	08-NOV-2012		2.8
I-9 18 M	03-DEC-2012		2.6
I-9 27 M	10-JUL-2012		3.1
I-9 27 M	15-AUG-2012		3.0
I-9 27 M	06-SEP-2012		4.7
I-9 27 M	02-OCT-2012		4.2
I-9 27 M	08-NOV-2012		3.9
I-9 27 M	03-DEC-2012		3.3
I-10 2 M	10-JUL-2012	ND	4.7
I-10 2 M	15-AUG-2012	ND	2.5
I-10 2 M	06-SEP-2012	ND	2.0
I-10 2 M	02-OCT-2012	ND	2.3
I-10 2 M	08-NOV-2012	ND	3.5
I-10 2 M	03-DEC-2012	ND	6.5
I-10 12 M	10-JUL-2012		3.6
I-10 12 M	15-AUG-2012		1.7
I-10 12 M	06-SEP-2012		3.7
I-10 12 M	02-OCT-2012		2.4
I-10 12 M	08-NOV-2012		2.8
I-10 12 M	03-DEC-2012		1.7
I-10 18 M	10-JUL-2012		4.1
I-10 18 M	15-AUG-2012		1.9
I-10 18 M	06-SEP-2012		10.3
I-10 18 M	02-OCT-2012		5.9
I-10 18 M	08-NOV-2012		3.6
I-10 18 M	03-DEC-2012		2.2
I-11 2 M	10-JUL-2012	ND	2.7
I-11 2 M	15-AUG-2012	ND	<1.4
I-11 2 M	06-SEP-2012	ND	3.3
I-11 2 M	02-OCT-2012	ND	2.2
I-11 2 M	08-NOV-2012	ND	3.4
I-11 2 M	03-DEC-2012	ND	22.2
I-11 6 M	10-JUL-2012		2.4
I-11 6 M	15-AUG-2012		2.2
I-11 6 M	06-SEP-2012		3.6
I-11 6 M	02-OCT-2012		1.8
I-11 6 M	08-NOV-2012		3.1
I-11 6 M	03-DEC-2012		4.7
I-11 11 M	10-JUL-2012		3.9
I-11 11 M	15-AUG-2012		4.5
I-11 11 M	06-SEP-2012		4.6

ND=not detected

South Bay Ocean Outfall Monitoring
Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

From 01-JUL-2012 to 31-DEC-2012

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-11 11 M	02-OCT-2012		3.8
I-11 11 M	08-NOV-2012		4.5
I-11 11 M	03-DEC-2012		16.1
I-12 2 M	11-JUL-2012	ND	3.4
I-12 2 M	13-AUG-2012	ND	1.8
I-12 2 M	05-SEP-2012	ND	ND
I-12 2 M	05-OCT-2012	ND	1.4
I-12 2 M	07-NOV-2012	ND	1.5
I-12 2 M	04-DEC-2012	ND	2.4
I-12 18 M	11-JUL-2012		3.2
I-12 18 M	13-AUG-2012		3.2
I-12 18 M	05-SEP-2012		2.3
I-12 18 M	05-OCT-2012		3.6
I-12 18 M	07-NOV-2012		2.3
I-12 18 M	04-DEC-2012		2.0
I-12 27 M	11-JUL-2012		2.3
I-12 27 M	13-AUG-2012		3.2
I-12 27 M	05-SEP-2012		2.8
I-12 27 M	05-OCT-2012		3.4
I-12 27 M	07-NOV-2012		2.8
I-12 27 M	04-DEC-2012		3.0
I-13 2 M	10-JUL-2012	ND	2.8
I-13 2 M	15-AUG-2012	ND	ND
I-13 2 M	06-SEP-2012	ND	7.9
I-13 2 M	02-OCT-2012	ND	1.5
I-13 2 M	08-NOV-2012	ND	2.6
I-13 2 M	03-DEC-2012	ND	3.2
I-13 18 M	10-JUL-2012		4.0
I-13 18 M	15-AUG-2012		1.9
I-13 18 M	06-SEP-2012		2.7
I-13 18 M	02-OCT-2012		3.1
I-13 18 M	08-NOV-2012		1.9
I-13 18 M	03-DEC-2012		2.6
I-13 37 M	10-JUL-2012		2.6
I-13 37 M	15-AUG-2012		2.4
I-13 37 M	06-SEP-2012		2.7
I-13 37 M	02-OCT-2012		3.4
I-13 37 M	08-NOV-2012		2.0
I-13 37 M	03-DEC-2012		1.5
I-14 2 M	11-JUL-2012	ND	2.6
I-14 2 M	13-AUG-2012	ND	3.0

ND=not detected

South Bay Ocean Outfall Monitoring
Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

From 01-JUL-2012 to 31-DEC-2012

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-14 2 M	05-SEP-2012	ND	2.8
I-14 2 M	05-OCT-2012	ND	3.0
I-14 2 M	07-NOV-2012	ND	2.0
I-14 2 M	04-DEC-2012	ND	1.8
I-14 18 M	11-JUL-2012		1.4
I-14 18 M	13-AUG-2012		4.2
I-14 18 M	05-SEP-2012		3.2
I-14 18 M	05-OCT-2012		3.2
I-14 18 M	07-NOV-2012		3.7
I-14 18 M	04-DEC-2012		1.7
I-14 27 M	11-JUL-2012		2.5
I-14 27 M	13-AUG-2012		3.8
I-14 27 M	05-SEP-2012		2.9
I-14 27 M	05-OCT-2012		3.8
I-14 27 M	07-NOV-2012		6.0
I-14 27 M	04-DEC-2012		3.4
I-16 2 M	11-JUL-2012	ND	2.7
I-16 2 M	13-AUG-2012	ND	3.0
I-16 2 M	05-SEP-2012	ND	2.4
I-16 2 M	05-OCT-2012	ND	1.9
I-16 2 M	07-NOV-2012	ND	3.6
I-16 2 M	04-DEC-2012	ND	1.8
I-16 18 M	11-JUL-2012		1.8
I-16 18 M	13-AUG-2012		3.2
I-16 18 M	05-SEP-2012		ND
I-16 18 M	05-OCT-2012		3.2
I-16 18 M	07-NOV-2012		2.9
I-16 18 M	04-DEC-2012		2.2
I-16 27 M	11-JUL-2012		1.8
I-16 27 M	13-AUG-2012		2.9
I-16 27 M	05-SEP-2012		2.3
I-16 27 M	05-OCT-2012		3.4
I-16 27 M	07-NOV-2012		4.0
I-16 27 M	04-DEC-2012		2.4
I-18 2 M	11-JUL-2012	ND	ND
I-18 2 M	13-AUG-2012	ND	2.6
I-18 2 M	05-SEP-2012	ND	ND
I-18 2 M	05-OCT-2012	ND	1.4
I-18 2 M	07-NOV-2012	ND	2.3
I-18 2 M	04-DEC-2012	ND	4.8
I-18 12 M	11-JUL-2012		4.2

ND=not detected

South Bay Ocean Outfall Monitoring
Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

From 01-JUL-2012 to 31-DEC-2012

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-18 12 M	13-AUG-2012		2.5
I-18 12 M	05-SEP-2012		ND
I-18 12 M	05-OCT-2012		1.9
I-18 12 M	07-NOV-2012		2.4
I-18 12 M	04-DEC-2012		3.1
I-18 18 M	11-JUL-2012		3.3
I-18 18 M	13-AUG-2012		6.1
I-18 18 M	05-SEP-2012		3.9
I-18 18 M	05-OCT-2012		3.5
I-18 18 M	07-NOV-2012		6.4
I-18 18 M	04-DEC-2012		2.9
I-19 2 M	11-JUL-2012	ND	3.7
I-19 2 M	13-AUG-2012	ND	4.9
I-19 2 M	05-SEP-2012	ND	2.1
I-19 2 M	05-OCT-2012	ND	5.0
I-19 2 M	07-NOV-2012	ND	4.8
I-19 2 M	04-DEC-2012	ND	9.0
I-19 6 M	11-JUL-2012		2.6
I-19 6 M	13-AUG-2012		4.2
I-19 6 M	05-SEP-2012		3.2
I-19 6 M	05-OCT-2012		4.5
I-19 6 M	07-NOV-2012		3.9
I-19 6 M	04-DEC-2012		4.2
I-19 11 M	11-JUL-2012		5.6
I-19 11 M	13-AUG-2012		6.1
I-19 11 M	05-SEP-2012		23.2
I-19 11 M	05-OCT-2012		4.6
I-19 11 M	07-NOV-2012		4.6
I-19 11 M	04-DEC-2012		5.1
I-20 2 M	10-JUL-2012	ND	2.6
I-20 2 M	15-AUG-2012	ND	2.9
I-20 2 M	06-SEP-2012	ND	3.0
I-20 2 M	02-OCT-2012	ND	<1.4
I-20 2 M	08-NOV-2012	ND	1.6
I-20 2 M	03-DEC-2012	ND	2.0
I-20 18 M	10-JUL-2012		1.7
I-20 18 M	15-AUG-2012		2.3
I-20 18 M	06-SEP-2012		4.4
I-20 18 M	02-OCT-2012		1.7
I-20 18 M	08-NOV-2012		ND
I-20 18 M	03-DEC-2012		2.2

ND=not detected

South Bay Ocean Outfall Monitoring
Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

From 01-JUL-2012 to 31-DEC-2012

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-20 55 M	10-JUL-2012		2.8
I-20 55 M	15-AUG-2012		2.1
I-20 55 M	06-SEP-2012		2.5
I-20 55 M	02-OCT-2012		3.0
I-20 55 M	08-NOV-2012		3.3
I-20 55 M	03-DEC-2012		2.6
I-21 2 M	10-JUL-2012	ND	3.1
I-21 2 M	15-AUG-2012	ND	2.6
I-21 2 M	06-SEP-2012	ND	ND
I-21 2 M	02-OCT-2012	ND	2.0
I-21 2 M	08-NOV-2012	ND	1.8
I-21 2 M	03-DEC-2012	ND	2.0
I-21 18 M	10-JUL-2012		3.8
I-21 18 M	15-AUG-2012		5.2
I-21 18 M	06-SEP-2012		1.9
I-21 18 M	02-OCT-2012		5.1
I-21 18 M	08-NOV-2012		2.1
I-21 18 M	03-DEC-2012		2.3
I-21 37 M	10-JUL-2012		2.8
I-21 37 M	15-AUG-2012		3.3
I-21 37 M	06-SEP-2012		3.6
I-21 37 M	02-OCT-2012		2.8
I-21 37 M	08-NOV-2012		2.4
I-21 37 M	03-DEC-2012		3.1
I-22 2 M	11-JUL-2012	ND	3.3
I-22 2 M	13-AUG-2012	ND	2.9
I-22 2 M	05-SEP-2012	ND	ND
I-22 2 M	05-OCT-2012	ND	3.2
I-22 2 M	07-NOV-2012	ND	2.5
I-22 2 M	04-DEC-2012	ND	2.9
I-22 18 M	11-JUL-2012		2.5
I-22 18 M	13-AUG-2012		3.1
I-22 18 M	05-SEP-2012		1.6
I-22 18 M	05-OCT-2012		3.7
I-22 18 M	07-NOV-2012		2.4
I-22 18 M	04-DEC-2012		3.2
I-22 27 M	11-JUL-2012		3.0
I-22 27 M	13-AUG-2012		4.5
I-22 27 M	05-SEP-2012		1.7
I-22 27 M	05-OCT-2012		3.1
I-22 27 M	07-NOV-2012		3.6

ND=not detected

South Bay Ocean Outfall Monitoring
Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

From 01-JUL-2012 to 31-DEC-2012

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-22 27 M	04-DEC-2012		3.4
I-23 2 M	11-JUL-2012	ND	2.4
I-23 2 M	13-AUG-2012	ND	1.6
I-23 2 M	05-SEP-2012	ND	1.7
I-23 2 M	05-OCT-2012	ND	2.2
I-23 2 M	07-NOV-2012	ND	3.9
I-23 2 M	04-DEC-2012	ND	3.8
I-23 12 M	11-JUL-2012		1.5
I-23 12 M	13-AUG-2012		3.0
I-23 12 M	05-SEP-2012		1.4
I-23 12 M	05-OCT-2012		2.5
I-23 12 M	07-NOV-2012		3.2
I-23 12 M	04-DEC-2012		1.7
I-23 18 M	11-JUL-2012		7.2
I-23 18 M	13-AUG-2012		5.5
I-23 18 M	05-SEP-2012		1.6
I-23 18 M	05-OCT-2012		3.7
I-23 18 M	07-NOV-2012		3.1
I-23 18 M	04-DEC-2012		7.3
I-24 2 M	11-JUL-2012	ND	2.8
I-24 2 M	13-AUG-2012	ND	2.7
I-24 2 M	05-SEP-2012	ND	2.3
I-24 2 M	05-OCT-2012	ND	2.0
I-24 2 M	07-NOV-2012	ND	3.9
I-24 2 M	04-DEC-2012	ND	6.2
I-24 6 M	11-JUL-2012		2.8
I-24 6 M	13-AUG-2012		3.3
I-24 6 M	05-SEP-2012		1.5
I-24 6 M	05-OCT-2012		2.6
I-24 6 M	07-NOV-2012		3.6
I-24 6 M	04-DEC-2012		9.0
I-24 11 M	11-JUL-2012		5.2
I-24 11 M	13-AUG-2012		5.0
I-24 11 M	05-SEP-2012		5.7
I-24 11 M	05-OCT-2012		6.7
I-24 11 M	07-NOV-2012		5.0
I-24 11 M	04-DEC-2012		10.1
I-25 2 M	11-JUL-2012	ND	2.6
I-25 2 M	13-AUG-2012	ND	2.6
I-25 2 M	05-SEP-2012	ND	ND
I-25 2 M	05-OCT-2012	ND	2.7

ND=not detected

South Bay Ocean Outfall Monitoring
Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

From 01-JUL-2012 to 31-DEC-2012

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-25 2 M	07-NOV-2012	ND	5.3
I-25 2 M	04-DEC-2012	ND	5.1
I-25 6 M	11-JUL-2012		3.9
I-25 6 M	13-AUG-2012		2.5
I-25 6 M	05-SEP-2012		1.7
I-25 6 M	05-OCT-2012		4.0
I-25 6 M	07-NOV-2012		4.3
I-25 6 M	04-DEC-2012		5.5
I-25 9 M	11-JUL-2012		4.7
I-25 9 M	13-AUG-2012		5.8
I-25 9 M	05-SEP-2012		3.3
I-25 9 M	05-OCT-2012		4.2
I-25 9 M	07-NOV-2012		3.2
I-25 9 M	04-DEC-2012		9.9
I-26 2 M	11-JUL-2012	ND	3.1
I-26 2 M	13-AUG-2012	ND	4.5
I-26 2 M	05-SEP-2012	ND	1.9
I-26 2 M	05-OCT-2012	ND	2.9
I-26 2 M	07-NOV-2012	ND	4.0
I-26 2 M	04-DEC-2012	ND	3.8
I-26 6 M	11-JUL-2012		2.5
I-26 6 M	13-AUG-2012		3.2
I-26 6 M	05-SEP-2012		ND
I-26 6 M	05-OCT-2012		3.6
I-26 6 M	07-NOV-2012		5.3
I-26 6 M	04-DEC-2012		4.5
I-26 9 M	11-JUL-2012		4.5
I-26 9 M	13-AUG-2012		3.7
I-26 9 M	05-SEP-2012		2.1
I-26 9 M	05-OCT-2012		6.6
I-26 9 M	07-NOV-2012		5.0
I-26 9 M	04-DEC-2012		8.4
I-30 2 M	12-JUL-2012	ND	5.6
I-30 2 M	14-AUG-2012	ND	2.9
I-30 2 M	04-SEP-2012	ND	1.7
I-30 2 M	01-OCT-2012	ND	<1.4
I-30 2 M	06-NOV-2012	ND	ND
I-30 2 M	05-DEC-2012	ND	2.7
I-30 18 M	12-JUL-2012		5.0
I-30 18 M	14-AUG-2012		1.5
I-30 18 M	04-SEP-2012		2.5

ND=not detected

South Bay Ocean Outfall Monitoring
Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

From 01-JUL-2012 to 31-DEC-2012

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-30 18 M	01-OCT-2012		2.9
I-30 18 M	06-NOV-2012		2.1
I-30 18 M	05-DEC-2012		2.3
I-30 27 M	12-JUL-2012		1.9
I-30 27 M	14-AUG-2012		1.8
I-30 27 M	04-SEP-2012		3.6
I-30 27 M	01-OCT-2012		4.2
I-30 27 M	06-NOV-2012		4.1
I-30 27 M	05-DEC-2012		3.3
I-32 2 M	12-JUL-2012	ND	4.2
I-32 2 M	14-AUG-2012	ND	1.5
I-32 2 M	04-SEP-2012	ND	4.3
I-32 2 M	01-OCT-2012	ND	3.3
I-32 2 M	06-NOV-2012	ND	3.7
I-32 2 M	05-DEC-2012	ND	4.2
I-32 6 M	12-JUL-2012		3.4
I-32 6 M	14-AUG-2012		ND
I-32 6 M	04-SEP-2012		3.1
I-32 6 M	01-OCT-2012		4.6
I-32 6 M	06-NOV-2012		3.8
I-32 6 M	05-DEC-2012		5.4
I-32 9 M	12-JUL-2012		10.4
I-32 9 M	14-AUG-2012		6.7
I-32 9 M	04-SEP-2012		7.6
I-32 9 M	01-OCT-2012		6.5
I-32 9 M	06-NOV-2012		9.9
I-32 9 M	05-DEC-2012		10.8
I-33 2 M	12-JUL-2012	ND	2.5
I-33 2 M	14-AUG-2012	ND	2.2
I-33 2 M	04-SEP-2012	ND	1.8
I-33 2 M	01-OCT-2012	ND	2.0
I-33 2 M	06-NOV-2012	ND	2.0
I-33 2 M	05-DEC-2012	ND	1.7
I-33 18 M	12-JUL-2012		2.9
I-33 18 M	14-AUG-2012		1.6
I-33 18 M	04-SEP-2012		2.1
I-33 18 M	01-OCT-2012		2.9
I-33 18 M	06-NOV-2012		3.7
I-33 18 M	05-DEC-2012		2.7
I-33 27 M	12-JUL-2012		3.0
I-33 27 M	14-AUG-2012		2.6

ND=not detected

South Bay Ocean Outfall Monitoring
Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

From 01-JUL-2012 to 31-DEC-2012

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-33 27 M	04-SEP-2012		3.0
I-33 27 M	01-OCT-2012		4.5
I-33 27 M	06-NOV-2012		4.5
I-33 27 M	05-DEC-2012		4.9
I-36 2 M	12-JUL-2012	ND	2.2
I-36 2 M	14-AUG-2012	ND	1.9
I-36 2 M	04-SEP-2012	ND	4.2
I-36 2 M	01-OCT-2012	ND	1.9
I-36 2 M	06-NOV-2012	ND	2.4
I-36 2 M	05-DEC-2012	ND	3.4
I-36 6 M	12-JUL-2012		3.3
I-36 6 M	14-AUG-2012		1.5
I-36 6 M	04-SEP-2012		4.0
I-36 6 M	01-OCT-2012		2.7
I-36 6 M	06-NOV-2012		3.1
I-36 6 M	05-DEC-2012		4.5
I-36 11 M	12-JUL-2012		6.1
I-36 11 M	14-AUG-2012		6.6
I-36 11 M	04-SEP-2012		5.7
I-36 11 M	01-OCT-2012		6.6
I-36 11 M	06-NOV-2012		7.3
I-36 11 M	05-DEC-2012		26.5
I-37 2 M	12-JUL-2012	ND	3.2
I-37 2 M	14-AUG-2012	ND	3.0
I-37 2 M	04-SEP-2012	22.6	3.6
I-37 2 M	01-OCT-2012	ND	4.5
I-37 2 M	06-NOV-2012	ND	3.1
I-37 2 M	05-DEC-2012	ND	2.7
I-37 6 M	12-JUL-2012		2.9
I-37 6 M	14-AUG-2012		4.5
I-37 6 M	04-SEP-2012		4.1
I-37 6 M	01-OCT-2012		2.2
I-37 6 M	06-NOV-2012		3.3
I-37 6 M	05-DEC-2012		3.0
I-37 11 M	12-JUL-2012		4.6
I-37 11 M	14-AUG-2012		5.0
I-37 11 M	04-SEP-2012		2.5
I-37 11 M	01-OCT-2012		3.7
I-37 11 M	06-NOV-2012		9.1
I-37 11 M	05-DEC-2012		2.8
I-38 2 M	12-JUL-2012	ND	1.4

ND=not detected

South Bay Ocean Outfall Monitoring
Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

From 01-JUL-2012 to 31-DEC-2012

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-38 2 M	14-AUG-2012	ND	2.8
I-38 2 M	04-SEP-2012	ND	3.5
I-38 2 M	01-OCT-2012	ND	3.9
I-38 2 M	06-NOV-2012	ND	2.7
I-38 2 M	05-DEC-2012	ND	3.2
I-38 6 M	12-JUL-2012		4.4
I-38 6 M	14-AUG-2012		2.5
I-38 6 M	04-SEP-2012		3.2
I-38 6 M	01-OCT-2012		4.9
I-38 6 M	06-NOV-2012		3.8
I-38 6 M	05-DEC-2012		3.9
I-38 11 M	12-JUL-2012		5.3
I-38 11 M	14-AUG-2012		4.4
I-38 11 M	04-SEP-2012		8.3
I-38 11 M	01-OCT-2012		8.7
I-38 11 M	06-NOV-2012		5.1
I-38 11 M	05-DEC-2012		5.9
I-39 2 M	11-JUL-2012	ND	3.3
I-39 2 M	13-AUG-2012	ND	2.6
I-39 2 M	05-SEP-2012	ND	1.7
I-39 2 M	05-OCT-2012	ND	2.0
I-39 2 M	07-NOV-2012	ND	4.0
I-39 2 M	04-DEC-2012	ND	4.2
I-39 12 M	11-JUL-2012		4.2
I-39 12 M	13-AUG-2012		4.5
I-39 12 M	05-SEP-2012		2.0
I-39 12 M	05-OCT-2012		2.5
I-39 12 M	07-NOV-2012		3.7
I-39 12 M	04-DEC-2012		3.0
I-39 18 M	11-JUL-2012		12.7
I-39 18 M	13-AUG-2012		3.3
I-39 18 M	05-SEP-2012		3.7
I-39 18 M	05-OCT-2012		2.7
I-39 18 M	07-NOV-2012		4.0
I-39 18 M	04-DEC-2012		8.6
I-40 2 M	11-JUL-2012	ND	2.9
I-40 2 M	13-AUG-2012	ND	5.5
I-40 2 M	05-SEP-2012	ND	2.8
I-40 2 M	05-OCT-2012	ND	3.4
I-40 2 M	07-NOV-2012	ND	6.9
I-40 2 M	04-DEC-2012	ND	9.5

ND=not detected

South Bay Ocean Outfall Monitoring
Seawater Analysis for Total Suspended Solids and Hexane Extractable Material

From 01-JUL-2012 to 31-DEC-2012

Analyte:		HEM	TSS
MDL:		1.4	1.4
SOURCE	SAMPLE DATE	mg/L	mg/L
I-40 6 M	11-JUL-2012		3.9
I-40 6 M	13-AUG-2012		5.4
I-40 6 M	05-SEP-2012		6.2
I-40 6 M	05-OCT-2012		3.3
I-40 6 M	07-NOV-2012		3.4
I-40 6 M	04-DEC-2012		6.3
I-40 9 M	11-JUL-2012		6.5
I-40 9 M	13-AUG-2012		9.1
I-40 9 M	05-SEP-2012		7.0
I-40 9 M	05-OCT-2012		8.4
I-40 9 M	07-NOV-2012		3.5
I-40 9 M	04-DEC-2012		5.3

ND=not detected

This page left blank intentionally.