

V. Ocean Monitoring Data Summary

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

Maps of sampling sites are included in this section.

Summary of Sampling Technique¹⁷:

Sediments

Benthic samples are obtained with a chain-rigged van Veen grab from the City's ocean monitoring program vessels. The grab takes 0.1m² of sediment surface. Only grab samples with an undisturbed sediment surface are used. Only the top 2 cm of sediment material in the van Veen grab is taken for chemical analyses. Subsamples are then placed directly into the appropriate labeled containers and placed on ice for shipment to the laboratory for analysis. Preservatives are used in accordance with the requirements of 40 CFR and our Quality Assurance Plan. Sediment concentrations are based on dry weight of sample.

Fish Tissue

Several species of flatfish and rockfish are collected by otter trawls and/or rig fishing. Dissected muscle and liver tissues from these fish are frozen and delivered to the laboratory for analysis. Tissue samples are kept frozen until prepared for analyses. Addendum 1 (June 2003) to MRP R9-2002-0025/NPDES CA0107409 changed the station definitions for trawl and rig fishing sampling, primarily eliminating or redefining stations. Trawl stations SD-7 through SD-14 were reorganized into zones as shown in Section B. In previous years' reports, samples from stations involved in the South Bay Ocean Outfall Predischarge Monitoring, such as SD-15, SD-17 thru SD-21 and RF-3 & RF-4 were included in this Pt. Loma Outfall Report. Since this data is now reported in the South Bay Outfall Monitoring reports, they are no longer contained in this report. Additionally, determinations of Poly Aromatic Hydrocarbon (PAHs) were removed by the modifications.

¹⁷ For complete description of the sampling protocols, dissection techniques, 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 for the Point Loma Ocean Outfall 2007.

A. Ocean Sediment Chemistries.

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

Sampling stations may also be identified by either a 3-digit number and/or a letter-number identification code. All "A" stations are 100 series and "B" stations are 200 series designations. For example, the station A-15 is also called 115 and station B-7 would be 207. The 18 benthic stations sampled this year are identified on the preceding map and cross-referenced below. Stations identified with "DUP" are field replicates.

Chemistries for benthic sediments for 22 "Core Stations" are identified in the following table.

Core Stations

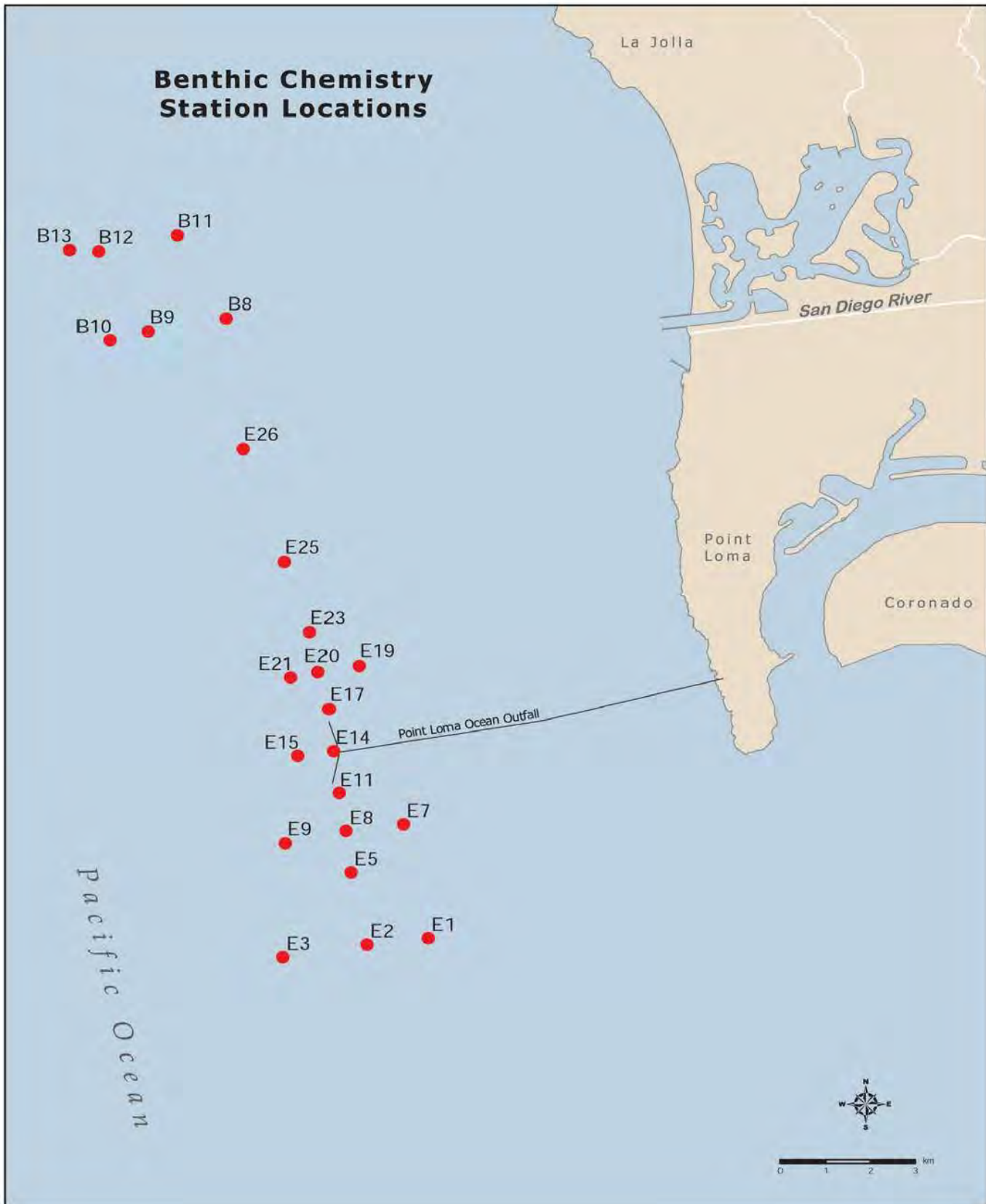
B-8	E-1	E-11	E-20
B-9	E-2	E-14	E-21
B-10	E-3	E-15	E-23
B-11	E-5	E-17	E-25
B-12	E-7	E-19	E-26
	E-8		
	E-9		

NPDES Permit No. CA 0107409/SDRWQCB Order No. R9-2002-0025 was modified in 2005 to incorporate 8 "Recovery Stations" (listed in following table) in the regular monitoring program as an on-going special study. The suite of analyses is not inclusive, e.g. BOD and PAHs are not a required part of the monitoring program for these stations and may not be included.

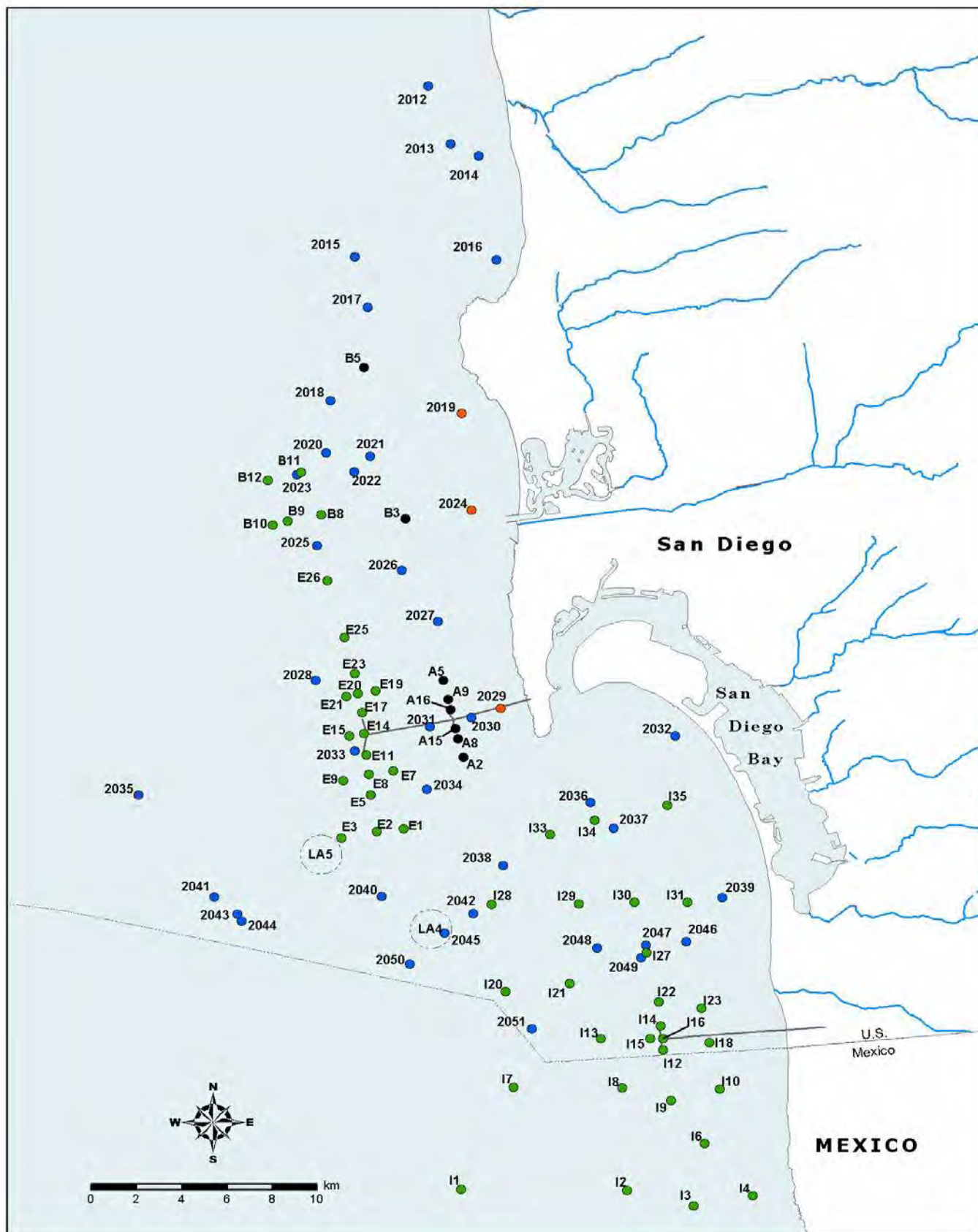
Recovery Stations

A-2	A-15
A-5	A-16
A-8	B-3
A-9	B-5

San Diego Benthic (chemistries) stations



Map of Recurring and Regional Monitoring Stations (benthic chemistries). Regional Monitoring Stations are 2000 series.



POINT LOMA WASTEWATER TREATMENT PLANT

OCEAN SEDIMENT ANNUAL

From 01-JAN-2007 To 31-DEC-2007

Biochemical Oxygen Demand
(mg/Kg)

STATION	First Quarter	Third Quarter*	Average of All Quarters
=====	=====	=====	=====
A-2	NS	321	321
A-8	NS	401	401
A-15	NS	369	369
B-8	291	308	300
B-9	314	353	334
B-10	318	384	351
B-11	303	360	332
B-12	310	391	351
E-1	160	240	200
E-2	292	401	347
E-3	175	266	221
E-5	199	370	285
E-7	257	361	309
E-8	248	329	289
E-9	188	328	258
E-11	262	169	216
E-14	366	618	492
E-15	245	459	352
E-17	355	458	407
E-19	250	626	438
E-20	282	367	325
E-21	331	415	373
E-23	307	420	364
E-25	241	329	285
E-26	257	440	349

* = Although the seed control failed for the analytical batches, the samples themselves do not get seeded, therefore, they would not be affected by the delta depletion requirements of seeded samples. All samples fell within the historical ranges. This is not a permit required analysis.

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

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Sulfides

From 01-JAN-2007 to 31-DEC-2007

Sulfides, Total
 (mg/Kg)

STATION =====	First Quarter =====	Third Quarter =====	Average of All Quarters =====
A-2	NS	<0.1	<0.1
A-5	NS	5.3	5.3
A-8	NS	11.6	11.6
A-9	NS	4.3	4.3
A-15	NS	15.1	15.1
A-16	NS	34.5	34.5
B-3	NS	1.9	1.9
B-5	NS	4.2	4.2
B-8	10.7	5.6	8.2
B-9	0.7	2.9	1.8
B-10	0.3	6.8	3.6
B-11	0.2	0.4	0.3
B-12	ND	0.5	0.3
E-1	3.6	1.6	2.6
E-2	4.8	25.5	15.2
E-3	1.2	25.0	13.1
E-5	3.7	4.6	4.2
E-7	3.1	14.3	8.7
E-8	3.3	89.5	46.4
E-9	1.5	9.7	5.6
E-11	5.6	15.5	10.6
E-14	4.8	40.9	22.9
E-15	0.4	19.6	10.0
E-17	4.3	25.2	14.8
E-19	8.3	10.4	9.4
E-20	1.7	13.4	7.6
E-21	2.8	8.9	5.9
E-23	0.7	5.7	3.2
E-25	0.7	11.4	6.1
E-26	1.5	15.0	8.3

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

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Total Volatile Solids

From 01-JAN-2007 to 31-DEC-2007

Total Volatile Solids
 (% Weight)

STATION =====	First Quarter =====	Third Quarter =====	Average of All Quarters =====
A-2	NS	2.4	2.4
A-5	NS	2.6	2.6
A-8	NS	2.6	2.6
A-9	NS	2.3	2.3
A-15	NS	2.5	2.5
A-16	NS	2.6	2.6
B-3	NS	2.5	2.5
B-5	NS	3.4	3.4
B-8	2.9	3.0	3.0
B-9	2.8	3.0	2.9
B-10	2.5	3.0	2.8
B-11	3.6	4.1	3.9
B-12	3.3	3.3	3.3
E-1	2.1	1.9	2.0
E-2	3.3	2.4	2.9
E-3	2.0	1.8	1.9
E-5	2.0	2.1	2.1
E-7	2.2	2.3	2.3
E-8	2.1	2.1	2.1
E-9	2.2	2.7	2.5
E-11	2.0	1.1	1.6
E-14	1.9	1.7	1.8
E-15	2.2	2.3	2.3
E-17	1.9	1.8	1.9
E-19	2.6	2.3	2.5
E-20	2.2	1.9	2.1
E-21	2.0	2.0	2.0
E-23	2.3	2.3	2.3
E-25	2.4	2.4	2.4
E-26	2.5	2.5	2.5

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

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	A-2		A-5		A-8		A-9		A-15	
	P391991	P394007	P392232	P394012	P392227	P394012	P394012	P394012	P392227	P392227
	10-JUL-2007	24-JUL-2007	11-JUL-2007	24-JUL-2007	11-JUL-2007	24-JUL-2007	11-JUL-2007	24-JUL-2007	11-JUL-2007	11-JUL-2007
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.110	0.106	0.103	0.107	0.103	0.107	0.103	0.107	0.107
>1 to 1.5 microns, Phi 9.5	0.411	0.492	0.458	0.449	0.483	0.449	0.483	0.449	0.483	0.483
>1.5 to 2 microns, Phi 9	0.501	0.594	0.542	0.531	0.597	0.531	0.597	0.531	0.597	0.597
>2.0 to 2.4 microns	0.454	0.535	0.484	0.471	0.547	0.471	0.547	0.471	0.547	0.547
>2.4 to 2.9 microns, Phi 8.5	0.597	0.701	0.631	0.611	0.724	0.611	0.724	0.611	0.724	0.724
>2.9 to 3.4 microns	0.621	0.725	0.651	0.628	0.757	0.628	0.757	0.628	0.757	0.757
>3.4 to 3.9 microns, Phi 8	0.673	0.782	0.700	0.671	0.824	0.671	0.824	0.671	0.824	0.824
>3.9 to 4 microns	0.140	0.163	0.145	0.139	0.172	0.139	0.172	0.139	0.172	0.172
>4.0 to 4.3 microns	0.403	0.468	0.417	0.401	0.495	0.401	0.495	0.401	0.495	0.495
>4.3 to 4.5 microns	0.260	0.301	0.268	0.258	0.319	0.258	0.319	0.258	0.319	0.319
>4.5 to 5 microns	0.692	0.803	0.713	0.684	0.854	0.684	0.854	0.684	0.854	0.854
>5 to 5.5 microns	0.687	0.799	0.706	0.680	0.850	0.680	0.850	0.680	0.850	0.850
>5.5 to 5.7 microns	0.265	0.309	0.273	0.263	0.329	0.263	0.329	0.263	0.329	0.329
>5.7 to 5.9 microns, Phi 7.5	0.261	0.304	0.268	0.259	0.324	0.259	0.324	0.259	0.324	0.324
>5.9 to 7.8 microns, Phi 7	2.470	2.880	2.520	2.450	3.060	2.450	3.060	2.450	3.060	3.060
>7.8 to 8 microns	0.252	0.296	0.257	0.252	0.313	0.252	0.313	0.252	0.313	0.313
>8 to 8.5 microns	0.604	0.709	0.617	0.604	0.749	0.604	0.749	0.604	0.749	0.749
>8.5 to 8.9 microns	0.465	0.546	0.474	0.466	0.576	0.466	0.576	0.466	0.576	0.576
>8.9 to 9.1 microns	0.237	0.279	0.242	0.239	0.293	0.239	0.293	0.239	0.293	0.293
>9.1 to 9.5 microns	0.458	0.541	0.468	0.462	0.567	0.462	0.567	0.462	0.567	0.567
>9.5 to 9.8 microns	0.331	0.391	0.338	0.334	0.410	0.334	0.410	0.334	0.410	0.410
>9.8 to 10.1 microns	0.321	0.379	0.328	0.324	0.398	0.324	0.398	0.324	0.398	0.398
>10.1 to 10.6 microns	0.554	0.657	0.566	0.564	0.684	0.564	0.684	0.564	0.684	0.684
>10.6 to 11.1 microns	0.529	0.627	0.539	0.538	0.652	0.538	0.652	0.538	0.652	0.652
>11.1 to 11.3 microns	0.205	0.243	0.209	0.208	0.253	0.208	0.253	0.208	0.253	0.253
>11.3 to 11.7 microns, Phi 6.5	0.401	0.477	0.410	0.410	0.494	0.410	0.494	0.410	0.494	0.494
>11.7 to 14 microns	2.120	2.540	2.170	2.190	2.590	2.190	2.590	2.190	2.590	2.590
>14 to 14.8 microns	0.674	0.811	0.690	0.703	0.819	0.703	0.819	0.703	0.819	0.819
>14.8 to 15.6 microns	0.651	0.787	0.668	0.684	0.786	0.684	0.786	0.684	0.786	0.786
>15.6 to 16 microns	0.319	0.386	0.327	0.337	0.382	0.337	0.382	0.337	0.382	0.382
>16 to 20 microns	2.860	3.490	2.940	3.050	3.400	3.050	3.400	3.050	3.400	3.400
>20 to 23 microns, Phi 5.5	1.860	2.300	1.920	2.030	2.170	2.030	2.170	2.030	2.170	2.170
>23 to 27 microns	2.250	2.810	2.330	2.500	2.570	2.500	2.570	2.500	2.570	2.570
>27 to 31 microns, Phi 5	2.110	2.660	2.190	2.380	2.360	2.380	2.360	2.380	2.360	2.360
>31 to 32 microns	0.524	0.666	0.545	0.597	0.576	0.597	0.576	0.597	0.576	0.576
>32 to 35.6 microns	1.870	2.380	1.950	2.140	2.030	2.140	2.030	2.140	2.030	2.030
>35.6 to 37 microns, Phi 4.75	0.746	0.951	0.776	0.857	0.798	0.857	0.798	0.857	0.798	0.798
>37 to 39.6 microns	1.360	1.730	1.410	1.560	1.440	1.560	1.440	1.560	1.440	1.440
>39.6 to 43.6 microns	2.320	2.930	2.410	2.670	2.400	2.670	2.400	2.670	2.400	2.400
>43.6 to 44 microns, Phi 4.5	0.221	0.278	0.228	0.253	0.228	0.253	0.228	0.253	0.228	0.228
>44 to 45 microns	0.552	0.695	0.571	0.634	0.569	0.634	0.569	0.634	0.569	0.569
>45 to 46.4 microns	0.949	1.170	0.973	1.080	0.946	1.080	0.946	1.080	0.946	0.946
>46.4 to 53 microns, Phi 4.25	4.370	5.300	4.470	4.940	4.320	4.940	4.320	4.940	4.320	4.320
>53 to 62.5 microns, Phi 4	7.110	8.050	7.150	7.750	6.700	7.750	6.700	7.750	6.700	6.700
>62.5 to 64 microns	1.170	1.270	1.170	1.240	1.080	1.240	1.080	1.240	1.080	1.080
>64 to 71.7 microns	6.120	6.280	6.030	6.310	5.500	6.310	5.500	6.310	5.500	5.500
>71.7 to 74 microns	1.830	1.800	1.790	1.840	1.620	1.840	1.620	1.840	1.620	1.620
>74 to 79.6 microns	4.360	4.120	4.240	4.300	3.810	4.300	3.810	4.300	3.810	3.810
>79.6 to 87.6 microns	6.010	5.350	5.790	5.730	5.160	5.730	5.160	5.730	5.160	5.160

*=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.

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	A-2	A-5	A-8	A-9	A-15
	P391991 10-JUL-2007	P394007 24-JUL-2007	P392232 11-JUL-2007	P394012 24-JUL-2007	P392227 11-JUL-2007
>87.6 to 88 microns, Phi 3.5	0.286	0.254	0.276	0.273	0.245
>88 to 90 microns	1.400	1.170	1.350	1.290	1.190
>90 to 105 microns, Phi 3.25	9.380	7.500	8.980	8.460	7.970
>105 to 125 microns, Phi 3	9.010	6.680	8.670	7.890	7.810
>125 to 149 microns, Phi 2.75	6.640	4.710	6.480	5.780	6.050
>149 to 160 microns	1.850	1.290	1.830	1.630	1.780
>160 to 177 microns, Phi 2.5	2.140	1.500	2.140	1.910	2.130
>177 to 197 microns	1.480	1.050	1.500	1.350	1.560
>197 to 210 microns, Phi 2.25	0.603	0.437	0.618	0.561	0.665
>210 to 217 microns	0.265	0.194	0.273	0.249	0.299
>217 to 245 microns	0.748	0.559	0.772	0.712	0.861
>245 to 250 microns, Phi 2	0.094	0.071	0.097	0.090	0.110
>250 to 300 microns, Phi 1.75	0.577	0.457	0.597	0.569	0.697
>300 to 320 microns	0.103	0.087	0.106	0.105	0.127
>320 to 350 microns, Phi 1.5	0.132	0.112	0.134	0.135	0.162
>350 to 360 microns	0.029	0.025	0.029	0.030	0.035
>360 to 400 microns	0.098	0.082	0.093	0.107	0.125
>400 to 420 microns, Phi 1.25	0.019	0.000	0.000	0.038	0.043
>420 to 440 microns	0.018	0.000	0.000	0.036	0.041
>440 to 500 microns, Phi 1	0.010	0.000	0.000	0.020	0.023
>500 to 590 microns, Phi 0.75	0.000	0.000	0.000	0.000	0.000
>590 to 630 microns	0.000	0.000	0.000	0.000	0.000
>630 to 696 microns	0.000	0.000	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	0.000	0.000	0.000	0.000
>710 to 773 microns	0.000	0.000	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	0.000	0.000	0.000	0.000
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	0.000	0.000	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	0.000	0.000	0.000	0.000
1000 to 1100 microns	0.000	0.000	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.000	0.000	0.000
>1190 to 1300 microns	0.000	0.000	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000
>2000 microns*	*	*	*	*	*
Totals:	100.030	100.043	100.013	100.009	100.008

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

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	A-16	B-3	B-5	B-8	B-8
	P394002 24-JUL-2007	P393889 23-JUL-2007	P393305 18-JUL-2007	P371861 26-JAN-2007	P393912 23-JUL-2007
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.214	0.227	0.161	0.102
>1 to 1.5 microns, Phi 9.5	0.410	0.508	0.552	0.525	0.480
>1.5 to 2 microns, Phi 9	0.495	0.632	0.702	0.687	0.615
>2.0 to 2.4 microns	0.446	0.581	0.652	0.645	0.569
>2.4 to 2.9 microns, Phi 8.5	0.585	0.772	0.868	0.855	0.752
>2.9 to 3.4 microns	0.606	0.808	0.908	0.890	0.779
>3.4 to 3.9 microns, Phi 8	0.654	0.882	0.994	0.968	0.843
>3.9 to 4 microns	0.136	0.184	0.206	0.201	0.175
>4.0 to 4.3 microns	0.391	0.530	0.591	0.576	0.501
>4.3 to 4.5 microns	0.252	0.342	0.380	0.371	0.322
>4.5 to 5 microns	0.670	0.916	1.020	0.987	0.857
>5 to 5.5 microns	0.666	0.912	1.000	0.978	0.850
>5.5 to 5.7 microns	0.257	0.352	0.385	0.377	0.328
>5.7 to 5.9 microns, Phi 7.5	0.253	0.347	0.379	0.371	0.323
>5.9 to 7.8 microns, Phi 7	2.390	3.280	3.510	3.480	3.040
>7.8 to 8 microns	0.245	0.336	0.349	0.357	0.314
>8 to 8.5 microns	0.587	0.804	0.836	0.855	0.752
>8.5 to 8.9 microns	0.452	0.618	0.640	0.659	0.580
>8.9 to 9.1 microns	0.231	0.314	0.320	0.337	0.298
>9.1 to 9.5 microns	0.447	0.608	0.619	0.652	0.577
>9.5 to 9.8 microns	0.323	0.440	0.448	0.471	0.417
>9.8 to 10.1 microns	0.314	0.427	0.434	0.457	0.405
>10.1 to 10.6 microns	0.542	0.735	0.731	0.791	0.706
>10.6 to 11.1 microns	0.517	0.701	0.697	0.755	0.673
>11.1 to 11.3 microns	0.200	0.271	0.270	0.293	0.261
>11.3 to 11.7 microns, Phi 6.5	0.394	0.531	0.524	0.575	0.515
>11.7 to 14 microns	2.100	2.780	2.690	3.070	2.780
>14 to 14.8 microns	0.669	0.881	0.836	0.985	0.900
>14.8 to 15.6 microns	0.650	0.846	0.795	0.962	0.885
>15.6 to 16 microns	0.319	0.412	0.383	0.475	0.439
>16 to 20 microns	2.880	3.670	3.370	4.320	4.040
>20 to 23 microns, Phi 5.5	1.910	2.340	2.100	2.920	2.790
>23 to 27 microns	2.340	2.780	2.470	3.680	3.570
>27 to 31 microns, Phi 5	2.240	2.550	2.270	3.570	3.510
>31 to 32 microns	0.564	0.623	0.559	0.904	0.895
>32 to 35.6 microns	2.020	2.190	1.980	3.210	3.200
>35.6 to 37 microns, Phi 4.75	0.816	0.854	0.782	1.280	1.280
>37 to 39.6 microns	1.490	1.540	1.420	2.300	2.310
>39.6 to 43.6 microns	2.560	2.520	2.370	3.750	3.790
>43.6 to 44 microns, Phi 4.5	0.243	0.239	0.225	0.356	0.359
>44 to 45 microns	0.609	0.595	0.561	0.883	0.893
>45 to 46.4 microns	1.050	0.959	0.928	1.370	1.410
>46.4 to 53 microns, Phi 4.25	4.800	4.340	4.220	6.090	6.250
>53 to 62.5 microns, Phi 4	7.620	6.460	6.460	8.220	8.570
>62.5 to 64 microns	1.230	1.020	1.030	1.210	1.270
>64 to 71.7 microns	6.300	5.140	5.220	5.650	5.990
>71.7 to 74 microns	1.850	1.490	1.530	1.540	1.640
>74 to 79.6 microns	4.330	3.530	3.590	3.410	3.650
>79.6 to 87.6 microns	5.820	4.780	4.850	4.170	4.510

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POINT LOMA WASTEWATER TREATMENT PLANT
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 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	A-16	B-3	B-5	B-8	B-8
	P394002 24-JUL-2007	P393889 23-JUL-2007	P393305 18-JUL-2007	P371861 26-JAN-2007	P393912 23-JUL-2007
>87.6 to 88 microns, Phi 3.5	0.277	0.227	0.231	0.199	0.214
>88 to 90 microns	1.320	1.120	1.130	0.868	0.943
>90 to 105 microns, Phi 3.25	8.730	7.570	7.560	5.360	5.870
>105 to 125 microns, Phi 3	8.270	7.660	7.540	4.470	4.930
>125 to 149 microns, Phi 2.75	6.160	6.020	5.970	2.990	3.310
>149 to 160 microns	1.760	1.750	1.790	0.796	0.875
>160 to 177 microns, Phi 2.5	2.080	2.060	2.150	0.912	0.998
>177 to 197 microns	1.500	1.450	1.580	0.632	0.684
>197 to 210 microns, Phi 2.25	0.631	0.592	0.673	0.265	0.283
>210 to 217 microns	0.282	0.261	0.302	0.118	0.126
>217 to 245 microns	0.811	0.732	0.868	0.342	0.362
>245 to 250 microns, Phi 2	0.104	0.091	0.111	0.045	0.047
>250 to 300 microns, Phi 1.75	0.658	0.556	0.696	0.290	0.302
>300 to 320 microns	0.122	0.097	0.125	0.059	0.061
>320 to 350 microns, Phi 1.5	0.156	0.124	0.159	0.066	0.068
>350 to 360 microns	0.034	0.027	0.034	0.000	0.000
>360 to 400 microns	0.122	0.086	0.122	0.000	0.000
>400 to 420 microns, Phi 1.25	0.042	0.000	0.041	0.000	0.000
>420 to 440 microns	0.040	0.000	0.039	0.000	0.000
>440 to 500 microns, Phi 1	0.023	0.000	0.022	0.000	0.000
>500 to 590 microns, Phi 0.75	0.000	0.000	0.000	0.000	0.000
>590 to 630 microns	0.000	0.000	0.000	0.000	0.000
>630 to 696 microns	0.000	0.000	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	0.000	0.000	0.000	0.000
>710 to 773 microns	0.000	0.000	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	0.000	0.000	0.000	0.000
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	0.000	0.000	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	0.000	0.000	0.000	0.000
1000 to 1100 microns	0.000	0.000	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.000	0.000	0.000
>1190 to 1300 microns	0.000	0.000	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000
>2000 microns*	*	*	*	*	*
Totals:	99.995	100.007	100.024	100.011	100.038

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POINT LOMA WASTEWATER TREATMENT PLANT
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 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	B-9		B-10		B-11
	P371863 26-JAN-2007	P393918 23-JUL-2007	P371841 26-JAN-2007	P393894 23-JUL-2007	P371845 26-JAN-2007
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.094
>0.5 to 1 microns, Phi 10	0.106	0.000	0.000	0.000	0.708
>1 to 1.5 microns, Phi 9.5	0.491	0.440	0.275	0.267	0.692
>1.5 to 2 microns, Phi 9	0.628	0.585	0.487	0.476	0.821
>2.0 to 2.4 microns	0.587	0.557	0.463	0.452	0.732
>2.4 to 2.9 microns, Phi 8.5	0.782	0.751	0.626	0.609	0.950
>2.9 to 3.4 microns	0.817	0.793	0.663	0.642	0.970
>3.4 to 3.9 microns, Phi 8	0.893	0.875	0.734	0.707	1.040
>3.9 to 4 microns	0.185	0.182	0.152	0.146	0.212
>4.0 to 4.3 microns	0.530	0.522	0.435	0.418	0.609
>4.3 to 4.5 microns	0.341	0.336	0.280	0.269	0.392
>4.5 to 5 microns	0.908	0.899	0.748	0.715	1.030
>5 to 5.5 microns	0.894	0.887	0.731	0.699	1.010
>5.5 to 5.7 microns	0.344	0.342	0.281	0.268	0.387
>5.7 to 5.9 microns, Phi 7.5	0.338	0.336	0.276	0.264	0.380
>5.9 to 7.8 microns, Phi 7	3.130	3.120	2.520	2.410	3.460
>7.8 to 8 microns	0.311	0.311	0.243	0.234	0.341
>8 to 8.5 microns	0.744	0.744	0.583	0.561	0.817
>8.5 to 8.9 microns	0.569	0.570	0.444	0.428	0.625
>8.9 to 9.1 microns	0.285	0.285	0.218	0.211	0.311
>9.1 to 9.5 microns	0.552	0.552	0.422	0.409	0.603
>9.5 to 9.8 microns	0.399	0.399	0.305	0.295	0.436
>9.8 to 10.1 microns	0.387	0.387	0.296	0.287	0.423
>10.1 to 10.6 microns	0.651	0.653	0.487	0.475	0.707
>10.6 to 11.1 microns	0.621	0.623	0.464	0.453	0.675
>11.1 to 11.3 microns	0.241	0.241	0.180	0.175	0.261
>11.3 to 11.7 microns, Phi 6.5	0.467	0.469	0.346	0.338	0.507
>11.7 to 14 microns	2.410	2.420	1.730	1.710	2.590
>14 to 14.8 microns	0.752	0.755	0.528	0.526	0.807
>14.8 to 15.6 microns	0.718	0.721	0.495	0.496	0.768
>15.6 to 16 microns	0.348	0.349	0.235	0.238	0.371
>16 to 20 microns	3.070	3.090	2.030	2.070	3.260
>20 to 23 microns, Phi 5.5	1.940	1.950	1.210	1.260	2.040
>23 to 27 microns	2.320	2.340	1.380	1.460	2.410
>27 to 31 microns, Phi 5	2.180	2.200	1.250	1.340	2.230
>31 to 32 microns	0.546	0.550	0.307	0.331	0.550
>32 to 35.6 microns	1.950	1.970	1.100	1.180	1.940
>35.6 to 37 microns, Phi 4.75	0.781	0.789	0.438	0.474	0.762
>37 to 39.6 microns	1.420	1.440	0.801	0.865	1.380
>39.6 to 43.6 microns	2.410	2.450	1.400	1.500	2.240
>43.6 to 44 microns, Phi 4.5	0.229	0.232	0.133	0.143	0.213
>44 to 45 microns	0.571	0.580	0.333	0.358	0.529
>45 to 46.4 microns	0.959	0.978	0.595	0.634	0.840
>46.4 to 53 microns, Phi 4.25	4.380	4.470	2.800	2.970	3.770
>53 to 62.5 microns, Phi 4	6.810	6.980	4.960	5.180	5.420
>62.5 to 64 microns	1.090	1.120	0.863	0.895	0.834
>64 to 71.7 microns	5.590	5.740	4.850	4.980	4.140
>71.7 to 74 microns	1.640	1.690	1.530	1.560	1.190
>74 to 79.6 microns	3.880	3.990	3.880	3.930	2.770
>79.6 to 87.6 microns	5.270	5.410	5.810	5.840	3.710

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POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	B-9	B-9	B-10	B-10	B-11
	P371863 26-JAN-2007	P393918 23-JUL-2007	P371841 26-JAN-2007	P393894 23-JUL-2007	P371845 26-JAN-2007
>87.6 to 88 microns, Phi 3.5	0.251	0.257	0.276	0.278	0.176
>88 to 90 microns	1.230	1.250	1.510	1.510	0.872
>90 to 105 microns, Phi 3.25	8.220	8.370	10.900	10.800	5.970
>105 to 125 microns, Phi 3	8.070	8.100	12.300	12.000	6.530
>125 to 149 microns, Phi 2.75	6.200	6.070	10.200	9.960	6.070
>149 to 160 microns	1.800	1.720	3.030	2.960	2.190
>160 to 177 microns, Phi 2.5	2.140	2.010	3.590	3.520	2.910
>177 to 197 microns	1.550	1.420	2.520	2.480	2.640
>197 to 210 microns, Phi 2.25	0.651	0.589	1.020	1.010	1.330
>210 to 217 microns	0.291	0.261	0.448	0.444	0.643
>217 to 245 microns	0.834	0.746	1.250	1.240	2.050
>245 to 250 microns, Phi 2	0.106	0.094	0.152	0.151	0.297
>250 to 300 microns, Phi 1.75	0.667	0.593	0.908	0.904	2.100
>300 to 320 microns	0.121	0.109	0.148	0.147	0.455
>320 to 350 microns, Phi 1.5	0.155	0.139	0.186	0.185	0.583
>350 to 360 microns	0.033	0.030	0.038	0.038	0.128
>360 to 400 microns	0.120	0.109	0.135	0.134	0.455
>400 to 420 microns, Phi 1.25	0.041	0.038	0.045	0.044	0.145
>420 to 440 microns	0.039	0.036	0.043	0.042	0.139
>440 to 500 microns, Phi 1	0.022	0.020	0.024	0.024	0.285
>500 to 590 microns, Phi 0.75	0.000	0.000	0.000	0.000	0.069
>590 to 630 microns	0.000	0.000	0.000	0.000	0.000
>630 to 696 microns	0.000	0.000	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	0.000	0.000	0.000	0.000
>710 to 773 microns	0.000	0.000	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	0.000	0.000	0.000	0.000
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	0.000	0.000	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	0.000	0.000	0.000	0.000
1000 to 1100 microns	0.000	0.000	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.000	0.000	0.000
>1190 to 1300 microns	0.000	0.000	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000
>2000 microns*	*	*	*	*	2.11
Totals:	100.006	100.034	100.040	100.019	102.104

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POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	B-11	B-12	B-12	E-1	E-1
	P393900 23-JUL-2007	P371852 26-JAN-2007	P393906 23-JUL-2007	P371757 25-JAN-2007	P391996 10-JUL-2007
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.100	0.000	0.000	0.112	0.000
>1 to 1.5 microns, Phi 9.5	0.490	0.400	0.393	0.546	0.400
>1.5 to 2 microns, Phi 9	0.659	0.531	0.539	0.706	0.520
>2.0 to 2.4 microns	0.632	0.512	0.525	0.646	0.484
>2.4 to 2.9 microns, Phi 8.5	0.851	0.702	0.717	0.835	0.640
>2.9 to 3.4 microns	0.896	0.754	0.764	0.845	0.664
>3.4 to 3.9 microns, Phi 8	0.988	0.844	0.852	0.895	0.719
>3.9 to 4 microns	0.204	0.177	0.176	0.182	0.148
>4.0 to 4.3 microns	0.586	0.510	0.507	0.521	0.426
>4.3 to 4.5 microns	0.378	0.329	0.327	0.335	0.274
>4.5 to 5 microns	1.010	0.891	0.876	0.875	0.726
>5 to 5.5 microns	0.992	0.885	0.860	0.857	0.716
>5.5 to 5.7 microns	0.382	0.342	0.331	0.329	0.276
>5.7 to 5.9 microns, Phi 7.5	0.376	0.337	0.326	0.323	0.271
>5.9 to 7.8 microns, Phi 7	3.470	3.170	3.000	2.960	2.530
>7.8 to 8 microns	0.345	0.316	0.294	0.299	0.256
>8 to 8.5 microns	0.826	0.756	0.705	0.715	0.613
>8.5 to 8.9 microns	0.633	0.578	0.539	0.550	0.472
>8.9 to 9.1 microns	0.317	0.289	0.267	0.278	0.240
>9.1 to 9.5 microns	0.613	0.559	0.517	0.539	0.464
>9.5 to 9.8 microns	0.443	0.404	0.374	0.390	0.335
>9.8 to 10.1 microns	0.430	0.392	0.362	0.378	0.325
>10.1 to 10.6 microns	0.724	0.658	0.604	0.648	0.559
>10.6 to 11.1 microns	0.691	0.628	0.576	0.618	0.533
>11.1 to 11.3 microns	0.268	0.243	0.223	0.239	0.206
>11.3 to 11.7 microns, Phi 6.5	0.520	0.470	0.431	0.469	0.405
>11.7 to 14 microns	2.670	2.380	2.170	2.480	2.140
>14 to 14.8 microns	0.835	0.734	0.670	0.788	0.683
>14.8 to 15.6 microns	0.796	0.688	0.630	0.763	0.661
>15.6 to 16 microns	0.385	0.327	0.301	0.374	0.324
>16 to 20 microns	3.400	2.830	2.610	3.370	2.920
>20 to 23 microns, Phi 5.5	2.150	1.680	1.570	2.220	1.930
>23 to 27 microns	2.550	1.870	1.780	2.710	2.360
>27 to 31 microns, Phi 5	2.380	1.630	1.580	2.520	2.230
>31 to 32 microns	0.589	0.386	0.377	0.617	0.550
>32 to 35.6 microns	2.090	1.340	1.310	2.150	1.940
>35.6 to 37 microns, Phi 4.75	0.825	0.514	0.505	0.829	0.756
>37 to 39.6 microns	1.490	0.924	0.910	1.490	1.360
>39.6 to 43.6 microns	2.460	1.490	1.470	2.330	2.190
>43.6 to 44 microns, Phi 4.5	0.234	0.141	0.140	0.221	0.208
>44 to 45 microns	0.582	0.352	0.348	0.549	0.518
>45 to 46.4 microns	0.940	0.566	0.561	0.837	0.818
>46.4 to 53 microns, Phi 4.25	4.240	2.570	2.550	3.720	3.680
>53 to 62.5 microns, Phi 4	6.210	3.920	3.940	5.160	5.380
>62.5 to 64 microns	0.964	0.631	0.639	0.782	0.841
>64 to 71.7 microns	4.800	3.310	3.370	3.880	4.280
>71.7 to 74 microns	1.380	0.991	1.010	1.110	1.250
>74 to 79.6 microns	3.220	2.430	2.490	2.620	3.010
>79.6 to 87.6 microns	4.280	3.490	3.560	3.560	4.180

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POINT LOMA WASTEWATER TREATMENT PLANT
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 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	B-11	B-12	B-12	E-1	E-1
	P393900	P371852	P393906	P371757	P391996
	23-JUL-2007	26-JAN-2007	23-JUL-2007	25-JAN-2007	10-JUL-2007
>87.6 to 88 microns, Phi 3.5	0.204	0.166	0.169	0.169	0.199
>88 to 90 microns	0.991	0.897	0.914	0.867	1.040
>90 to 105 microns, Phi 3.25	6.680	6.540	6.650	6.100	7.370
>105 to 125 microns, Phi 3	6.950	8.250	8.410	7.220	8.710
>125 to 149 microns, Phi 2.75	6.010	8.730	9.010	7.210	8.390
>149 to 160 microns	1.990	3.430	3.570	2.680	2.950
>160 to 177 microns, Phi 2.5	2.530	4.690	4.900	3.570	3.800
>177 to 197 microns	2.090	4.390	4.590	3.150	3.140
>197 to 210 microns, Phi 2.25	0.965	2.190	2.280	1.500	1.420
>210 to 217 microns	0.450	1.050	1.100	0.706	0.656
>217 to 245 microns	1.360	3.240	3.340	2.120	1.920
>245 to 250 microns, Phi 2	0.184	0.452	0.461	0.287	0.251
>250 to 300 microns, Phi 1.75	1.210	2.940	2.940	1.830	1.570
>300 to 320 microns	0.229	0.513	0.496	0.319	0.266
>320 to 350 microns, Phi 1.5	0.290	0.637	0.616	0.399	0.333
>350 to 360 microns	0.061	0.118	0.113	0.077	0.065
>360 to 400 microns	0.216	0.416	0.398	0.274	0.231
>400 to 420 microns, Phi 1.25	0.069	0.115	0.110	0.082	0.070
>420 to 440 microns	0.066	0.110	0.105	0.078	0.067
>440 to 500 microns, Phi 1	0.141	0.211	0.204	0.160	0.142
>500 to 590 microns, Phi 0.75	0.034	0.050	0.048	0.039	0.035
>590 to 630 microns	0.000	0.000	0.000	0.000	0.000
>630 to 696 microns	0.000	0.000	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	0.000	0.000	0.000	0.000
>710 to 773 microns	0.000	0.000	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	0.000	0.000	0.000	0.000
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	0.000	0.000	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	0.000	0.000	0.000	0.000
1000 to 1100 microns	0.000	0.000	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.000	0.000	0.000
>1190 to 1300 microns	0.000	0.000	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000
>2000 microns*	1.13	*	2.28	5.71	*
Totals:	101.144	100.006	102.280	105.717	100.036

*=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.

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	E-3	E-5	E-5	E-7	E-7
	P371768 25-JAN-2007	P371774 25-JAN-2007	P392243 11-JUL-2007	P371780 25-JAN-2007	P392249 11-JUL-2007
<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	0.283	0.399	0.258	0.269	0.258
>1.5 to 2 microns, Phi 9	0.545	0.490	0.451	0.466	0.461
>2.0 to 2.4 microns	0.541	0.443	0.416	0.430	0.436
>2.4 to 2.9 microns, Phi 8.5	0.741	0.579	0.544	0.569	0.585
>2.9 to 3.4 microns	0.791	0.595	0.558	0.591	0.615
>3.4 to 3.9 microns, Phi 8	0.883	0.638	0.598	0.640	0.675
>3.9 to 4 microns	0.183	0.131	0.122	0.132	0.140
>4.0 to 4.3 microns	0.526	0.376	0.350	0.380	0.402
>4.3 to 4.5 microns	0.339	0.242	0.225	0.244	0.259
>4.5 to 5 microns	0.911	0.638	0.590	0.649	0.691
>5 to 5.5 microns	0.900	0.627	0.577	0.641	0.684
>5.5 to 5.7 microns	0.347	0.241	0.222	0.247	0.264
>5.7 to 5.9 microns, Phi 7.5	0.341	0.237	0.217	0.243	0.260
>5.9 to 7.8 microns, Phi 7	3.170	2.190	1.990	2.270	2.430
>7.8 to 8 microns	0.316	0.220	0.199	0.232	0.248
>8 to 8.5 microns	0.756	0.527	0.477	0.555	0.593
>8.5 to 8.9 microns	0.578	0.404	0.366	0.427	0.456
>8.9 to 9.1 microns	0.289	0.204	0.185	0.218	0.232
>9.1 to 9.5 microns	0.559	0.396	0.357	0.422	0.450
>9.5 to 9.8 microns	0.404	0.286	0.258	0.305	0.325
>9.8 to 10.1 microns	0.392	0.277	0.251	0.296	0.315
>10.1 to 10.6 microns	0.661	0.473	0.426	0.511	0.543
>10.6 to 11.1 microns	0.630	0.451	0.406	0.487	0.518
>11.1 to 11.3 microns	0.244	0.175	0.157	0.189	0.201
>11.3 to 11.7 microns, Phi 6.5	0.473	0.342	0.308	0.372	0.394
>11.7 to 14 microns	2.410	1.810	1.630	1.990	2.100
>14 to 14.8 microns	0.748	0.573	0.517	0.640	0.672
>14.8 to 15.6 microns	0.705	0.556	0.503	0.628	0.657
>15.6 to 16 microns	0.338	0.273	0.247	0.311	0.325
>16 to 20 microns	2.940	2.470	2.240	2.850	2.960
>20 to 23 microns, Phi 5.5	1.790	1.640	1.500	1.960	2.010
>23 to 27 microns	2.020	2.050	1.890	2.520	2.560
>27 to 31 microns, Phi 5	1.770	2.000	1.860	2.520	2.550
>31 to 32 microns	0.416	0.510	0.478	0.654	0.659
>32 to 35.6 microns	1.430	1.840	1.730	2.380	2.390
>35.6 to 37 microns, Phi 4.75	0.537	0.748	0.706	0.975	0.978
>37 to 39.6 microns	0.958	1.360	1.290	1.780	1.780
>39.6 to 43.6 microns	1.470	2.350	2.240	3.080	3.070
>43.6 to 44 microns, Phi 4.5	0.140	0.223	0.212	0.292	0.292
>44 to 45 microns	0.346	0.559	0.531	0.730	0.728
>45 to 46.4 microns	0.522	0.953	0.917	1.230	1.220
>46.4 to 53 microns, Phi 4.25	2.330	4.370	4.230	5.590	5.560
>53 to 62.5 microns, Phi 4	3.290	6.940	6.860	8.430	8.360
>62.5 to 64 microns	0.508	1.130	1.130	1.320	1.300
>64 to 71.7 microns	2.600	5.870	5.950	6.540	6.440
>71.7 to 74 microns	0.764	1.750	1.790	1.870	1.840
>74 to 79.6 microns	1.870	4.200	4.320	4.320	4.220
>79.6 to 87.6 microns	2.660	5.840	6.060	5.660	5.490

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POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	E-3		E-5		E-7	
	P371768 25-JAN-2007	P371774 25-JAN-2007	P392243 11-JUL-2007	P371780 25-JAN-2007	P392249 11-JUL-2007	
>87.6 to 88 microns, Phi 3.5	0.127	0.278	0.288	0.269	0.261	
>88 to 90 microns	0.703	1.400	1.460	1.270	1.210	
>90 to 105 microns, Phi 3.25	5.260	9.600	10.000	8.280	7.870	
>105 to 125 microns, Phi 3	7.370	9.820	10.300	7.700	7.280	
>125 to 149 microns, Phi 2.75	8.910	7.660	8.090	5.610	5.370	
>149 to 160 microns	3.890	2.190	2.330	1.550	1.530	
>160 to 177 microns, Phi 2.5	5.530	2.560	2.740	1.790	1.800	
>177 to 197 microns	5.470	1.770	1.910	1.240	1.300	
>197 to 210 microns, Phi 2.25	2.760	0.714	0.780	0.505	0.555	
>210 to 217 microns	1.330	0.312	0.343	0.223	0.249	
>217 to 245 microns	4.050	0.872	0.966	0.631	0.726	
>245 to 250 microns, Phi 2	0.556	0.107	0.120	0.079	0.094	
>250 to 300 microns, Phi 1.75	3.470	0.653	0.739	0.498	0.612	
>300 to 320 microns	0.548	0.113	0.129	0.093	0.119	
>320 to 350 microns, Phi 1.5	0.673	0.143	0.164	0.119	0.153	
>350 to 360 microns	0.117	0.030	0.035	0.027	0.034	
>360 to 400 microns	0.410	0.109	0.125	0.086	0.124	
>400 to 420 microns, Phi 1.25	0.109	0.038	0.043	0.000	0.044	
>420 to 440 microns	0.104	0.036	0.041	0.000	0.042	
>440 to 500 microns, Phi 1	0.197	0.020	0.023	0.000	0.023	
>500 to 590 microns, Phi 0.75	0.046	0.000	0.000	0.000	0.000	
>590 to 630 microns	0.000	0.000	0.000	0.000	0.000	
>630 to 696 microns	0.000	0.000	0.000	0.000	0.000	
>696 to 710 microns, Phi 0.5	0.000	0.000	0.000	0.000	0.000	
>710 to 773 microns	0.000	0.000	0.000	0.000	0.000	
>773 to 840 microns, Phi 0.25	0.000	0.000	0.000	0.000	0.000	
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000	
>850 to 930 microns	0.000	0.000	0.000	0.000	0.000	
>930 to 1000 microns, Phi 0	0.000	0.000	0.000	0.000	0.000	
1000 to 1100 microns	0.000	0.000	0.000	0.000	0.000	
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.000	0.000	0.000	
>1190 to 1300 microns	0.000	0.000	0.000	0.000	0.000	
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.000	0.000	0.000	
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.000	0.000	0.000	
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000	
>2000 microns*	1.07	*	*	*	*	
Totals:	101.065	100.021	99.965	100.025	99.992	

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POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	E-8	E-8	E-9	E-11	E-11
	P371784 25-JAN-2007	P392255 11-JUL-2007	P392261 11-JUL-2007	P372002 29-JAN-2007	P392237 11-JUL-2007
<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	0.249	0.247	0.404	0.178	0.225
>1.5 to 2 microns, Phi 9	0.421	0.435	0.555	0.402	0.385
>2.0 to 2.4 microns	0.380	0.407	0.538	0.381	0.354
>2.4 to 2.9 microns, Phi 8.5	0.496	0.543	0.732	0.514	0.468
>2.9 to 3.4 microns	0.510	0.568	0.775	0.542	0.485
>3.4 to 3.9 microns, Phi 8	0.546	0.620	0.860	0.596	0.525
>3.9 to 4 microns	0.112	0.128	0.177	0.123	0.107
>4.0 to 4.3 microns	0.323	0.366	0.508	0.353	0.308
>4.3 to 4.5 microns	0.207	0.236	0.327	0.227	0.198
>4.5 to 5 microns	0.548	0.625	0.872	0.604	0.521
>5 to 5.5 microns	0.539	0.613	0.852	0.590	0.507
>5.5 to 5.7 microns	0.208	0.236	0.327	0.227	0.194
>5.7 to 5.9 microns, Phi 7.5	0.204	0.232	0.322	0.223	0.191
>5.9 to 7.8 microns, Phi 7	1.900	2.140	2.940	2.040	1.730
>7.8 to 8 microns	0.192	0.212	0.286	0.201	0.170
>8 to 8.5 microns	0.461	0.508	0.686	0.480	0.408
>8.5 to 8.9 microns	0.354	0.390	0.524	0.367	0.312
>8.9 to 9.1 microns	0.180	0.196	0.259	0.183	0.156
>9.1 to 9.5 microns	0.349	0.379	0.502	0.354	0.302
>9.5 to 9.8 microns	0.252	0.274	0.363	0.256	0.218
>9.8 to 10.1 microns	0.245	0.266	0.352	0.249	0.211
>10.1 to 10.6 microns	0.421	0.449	0.584	0.414	0.354
>10.6 to 11.1 microns	0.401	0.428	0.557	0.395	0.338
>11.1 to 11.3 microns	0.156	0.166	0.216	0.153	0.131
>11.3 to 11.7 microns, Phi 6.5	0.306	0.324	0.417	0.298	0.255
>11.7 to 14 microns	1.630	1.690	2.120	1.530	1.330
>14 to 14.8 microns	0.524	0.534	0.656	0.479	0.418
>14.8 to 15.6 microns	0.512	0.515	0.624	0.461	0.405
>15.6 to 16 microns	0.253	0.252	0.301	0.225	0.199
>16 to 20 microns	2.310	2.260	2.640	2.000	1.790
>20 to 23 microns, Phi 5.5	1.570	1.480	1.650	1.300	1.190
>23 to 27 microns	2.000	1.840	1.970	1.610	1.510
>27 to 31 microns, Phi 5	1.980	1.790	1.870	1.590	1.520
>31 to 32 microns	0.510	0.458	0.472	0.415	0.400
>32 to 35.6 microns	1.850	1.660	1.700	1.520	1.480
>35.6 to 37 microns, Phi 4.75	0.758	0.679	0.691	0.636	0.621
>37 to 39.6 microns	1.390	1.240	1.260	1.170	1.150
>39.6 to 43.6 microns	2.420	2.180	2.200	2.110	2.090
>43.6 to 44 microns, Phi 4.5	0.229	0.207	0.209	0.200	0.198
>44 to 45 microns	0.574	0.519	0.523	0.502	0.498
>45 to 46.4 microns	0.991	0.907	0.908	0.901	0.904
>46.4 to 53 microns, Phi 4.25	4.560	4.200	4.180	4.190	4.220
>53 to 62.5 microns, Phi 4	7.310	6.910	6.760	7.060	7.230
>62.5 to 64 microns	1.190	1.140	1.100	1.180	1.220
>64 to 71.7 microns	6.200	6.050	5.710	6.270	6.510
>71.7 to 74 microns	1.850	1.820	1.690	1.900	1.980
>74 to 79.6 microns	4.420	4.410	4.010	4.600	4.810
>79.6 to 87.6 microns	6.120	6.190	5.480	6.490	6.800

*=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.

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	E-8	E-8	E-9	E-11	E-11
	P371784 25-JAN-2007	P392255 11-JUL-2007	P392261 11-JUL-2007	P372002 29-JAN-2007	P392237 11-JUL-2007
>87.6 to 88 microns, Phi 3.5	0.291	0.294	0.261	0.309	0.323
>88 to 90 microns	1.450	1.490	1.280	1.560	1.640
>90 to 105 microns, Phi 3.25	9.880	10.200	8.580	10.700	11.200
>105 to 125 microns, Phi 3	9.930	10.300	8.580	10.800	11.100
>125 to 149 microns, Phi 2.75	7.620	7.930	6.860	8.150	8.340
>149 to 160 microns	2.170	2.240	2.090	2.280	2.300
>160 to 177 microns, Phi 2.5	2.540	2.600	2.540	2.630	2.650
>177 to 197 microns	1.760	1.790	1.930	1.790	1.790
>197 to 210 microns, Phi 2.25	0.722	0.723	0.838	0.723	0.718
>210 to 217 microns	0.318	0.316	0.381	0.316	0.313
>217 to 245 microns	0.897	0.888	1.110	0.883	0.873
>245 to 250 microns, Phi 2	0.112	0.110	0.144	0.109	0.107
>250 to 300 microns, Phi 1.75	0.691	0.676	0.918	0.664	0.656
>300 to 320 microns	0.122	0.120	0.167	0.116	0.115
>320 to 350 microns, Phi 1.5	0.156	0.152	0.212	0.147	0.146
>350 to 360 microns	0.033	0.033	0.045	0.032	0.032
>360 to 400 microns	0.120	0.118	0.160	0.108	0.114
>400 to 420 microns, Phi 1.25	0.041	0.041	0.053	0.021	0.040
>420 to 440 microns	0.039	0.039	0.051	0.020	0.038
>440 to 500 microns, Phi 1	0.022	0.022	0.113	0.012	0.021
>500 to 590 microns, Phi 0.75	0.000	0.000	0.028	0.000	0.000
>590 to 630 microns	0.000	0.000	0.000	0.000	0.000
>630 to 696 microns	0.000	0.000	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	0.000	0.000	0.000	0.000
>710 to 773 microns	0.000	0.000	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	0.000	0.000	0.000	0.000
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	0.000	0.000	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	0.000	0.000	0.000	0.000
1000 to 1100 microns	0.000	0.000	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.000	0.000	0.000
>1190 to 1300 microns	0.000	0.000	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000
>2000 microns*	*	*	*	*	*
Totals:	100.025	100.001	100.000	100.059	100.042

*=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.

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	E-14	E-14	E-15	E-15	E-17
	P372011 29-JAN-2007	P393039 16-JUL-2007	P372014 29-JAN-2007	P393045 16-JUL-2007	P372021 29-JAN-2007
<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	0.260	0.236	0.272	0.271	0.223
>1.5 to 2 microns, Phi 9	0.452	0.413	0.484	0.478	0.403
>2.0 to 2.4 microns	0.420	0.385	0.456	0.451	0.387
>2.4 to 2.9 microns, Phi 8.5	0.556	0.511	0.610	0.605	0.526
>2.9 to 3.4 microns	0.577	0.531	0.639	0.634	0.560
>3.4 to 3.9 microns, Phi 8	0.625	0.576	0.699	0.695	0.621
>3.9 to 4 microns	0.128	0.117	0.144	0.143	0.129
>4.0 to 4.3 microns	0.367	0.337	0.413	0.410	0.370
>4.3 to 4.5 microns	0.236	0.216	0.266	0.264	0.238
>4.5 to 5 microns	0.623	0.571	0.706	0.699	0.638
>5 to 5.5 microns	0.607	0.554	0.690	0.681	0.627
>5.5 to 5.7 microns	0.233	0.212	0.265	0.261	0.241
>5.7 to 5.9 microns, Phi 7.5	0.229	0.208	0.260	0.257	0.237
>5.9 to 7.8 microns, Phi 7	2.080	1.880	2.380	2.330	2.190
>7.8 to 8 microns	0.203	0.183	0.234	0.227	0.217
>8 to 8.5 microns	0.486	0.438	0.560	0.543	0.519
>8.5 to 8.9 microns	0.371	0.335	0.428	0.414	0.397
>8.9 to 9.1 microns	0.185	0.166	0.213	0.205	0.198
>9.1 to 9.5 microns	0.357	0.321	0.412	0.397	0.383
>9.5 to 9.8 microns	0.258	0.232	0.298	0.287	0.277
>9.8 to 10.1 microns	0.251	0.225	0.289	0.278	0.269
>10.1 to 10.6 microns	0.417	0.373	0.482	0.460	0.450
>10.6 to 11.1 microns	0.398	0.356	0.460	0.439	0.429
>11.1 to 11.3 microns	0.154	0.138	0.178	0.170	0.166
>11.3 to 11.7 microns, Phi 6.5	0.299	0.268	0.345	0.329	0.323
>11.7 to 14 microns	1.540	1.370	1.770	1.670	1.660
>14 to 14.8 microns	0.480	0.427	0.550	0.518	0.519
>14.8 to 15.6 microns	0.460	0.409	0.525	0.493	0.497
>15.6 to 16 microns	0.224	0.199	0.254	0.238	0.242
>16 to 20 microns	1.990	1.770	2.240	2.090	2.140
>20 to 23 microns, Phi 5.5	1.280	1.140	1.420	1.320	1.370
>23 to 27 microns	1.570	1.400	1.710	1.580	1.680
>27 to 31 microns, Phi 5	1.540	1.370	1.630	1.500	1.630
>31 to 32 microns	0.397	0.356	0.414	0.381	0.419
>32 to 35.6 microns	1.460	1.310	1.500	1.380	1.530
>35.6 to 37 microns, Phi 4.75	0.606	0.547	0.612	0.564	0.635
>37 to 39.6 microns	1.120	1.010	1.120	1.030	1.170
>39.6 to 43.6 microns	2.020	1.840	1.970	1.820	2.100
>43.6 to 44 microns, Phi 4.5	0.191	0.174	0.187	0.173	0.200
>44 to 45 microns	0.481	0.439	0.469	0.435	0.502
>45 to 46.4 microns	0.873	0.807	0.828	0.775	0.903
>46.4 to 53 microns, Phi 4.25	4.080	3.800	3.850	3.620	4.210
>53 to 62.5 microns, Phi 4	7.020	6.700	6.490	6.210	7.130
>62.5 to 64 microns	1.190	1.150	1.090	1.060	1.200
>64 to 71.7 microns	6.400	6.300	5.860	5.740	6.350
>71.7 to 74 microns	1.950	1.950	1.790	1.770	1.920
>74 to 79.6 microns	4.770	4.810	4.380	4.370	4.650
>79.6 to 87.6 microns	6.770	6.950	6.250	6.310	6.530

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POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	E-14		E-15		E-17	
	P372011 29-JAN-2007	P393039 16-JUL-2007	P372014 29-JAN-2007	P393045 16-JUL-2007	P372021 29-JAN-2007	
>87.6 to 88 microns, Phi 3.5	0.322	0.331	0.297	0.300	0.310	
>88 to 90 microns	1.630	1.710	1.530	1.560	1.560	
>90 to 105 microns, Phi 3.25	11.100	11.800	10.500	10.900	10.600	
>105 to 125 microns, Phi 3	11.000	11.900	10.700	11.200	10.500	
>125 to 149 microns, Phi 2.75	7.960	8.750	8.080	8.630	7.830	
>149 to 160 microns	2.140	2.340	2.250	2.410	2.150	
>160 to 177 microns, Phi 2.5	2.420	2.650	2.600	2.780	2.460	
>177 to 197 microns	1.600	1.730	1.770	1.890	1.640	
>197 to 210 microns, Phi 2.25	0.634	0.676	0.715	0.758	0.649	
>210 to 217 microns	0.274	0.291	0.313	0.331	0.281	
>217 to 245 microns	0.763	0.802	0.877	0.925	0.780	
>245 to 250 microns, Phi 2	0.093	0.097	0.109	0.114	0.095	
>250 to 300 microns, Phi 1.75	0.569	0.585	0.668	0.696	0.578	
>300 to 320 microns	0.100	0.101	0.118	0.122	0.101	
>320 to 350 microns, Phi 1.5	0.128	0.128	0.150	0.155	0.128	
>350 to 360 microns	0.028	0.028	0.032	0.033	0.028	
>360 to 400 microns	0.090	0.089	0.116	0.119	0.090	
>400 to 420 microns, Phi 1.25	0.000	0.000	0.040	0.041	0.000	
>420 to 440 microns	0.000	0.000	0.038	0.039	0.000	
>440 to 500 microns, Phi 1	0.000	0.000	0.021	0.022	0.000	
>500 to 590 microns, Phi 0.75	0.000	0.000	0.000	0.000	0.000	
>590 to 630 microns	0.000	0.000	0.000	0.000	0.000	
>630 to 696 microns	0.000	0.000	0.000	0.000	0.000	
>696 to 710 microns, Phi 0.5	0.000	0.000	0.000	0.000	0.000	
>710 to 773 microns	0.000	0.000	0.000	0.000	0.000	
>773 to 840 microns, Phi 0.25	0.000	0.000	0.000	0.000	0.000	
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000	
>850 to 930 microns	0.000	0.000	0.000	0.000	0.000	
>930 to 1000 microns, Phi 0	0.000	0.000	0.000	0.000	0.000	
1000 to 1100 microns	0.000	0.000	0.000	0.000	0.000	
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.000	0.000	0.000	
>1190 to 1300 microns	0.000	0.000	0.000	0.000	0.000	
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.000	0.000	0.000	
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.000	0.000	0.000	
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000	
>2000 microns*	*	*	*	*	*	
Totals:	100.035	100.018	100.016	100.000	99.985	

*=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.

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	E-17	E-19	E-19	E-20	E-20
	P393051	P372025	P393057	P372034	P393063
	16-JUL-2007	29-JAN-2007	16-JUL-2007	29-JAN-2007	16-JUL-2007
<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	0.219	0.100	0.000
>1 to 1.5 microns, Phi 9.5	0.245	0.275	0.504	0.452	0.386
>1.5 to 2 microns, Phi 9	0.424	0.497	0.606	0.554	0.472
>2.0 to 2.4 microns	0.395	0.473	0.545	0.506	0.426
>2.4 to 2.9 microns, Phi 8.5	0.528	0.638	0.709	0.665	0.556
>2.9 to 3.4 microns	0.554	0.675	0.726	0.687	0.570
>3.4 to 3.9 microns, Phi 8	0.606	0.744	0.777	0.741	0.611
>3.9 to 4 microns	0.125	0.155	0.159	0.152	0.125
>4.0 to 4.3 microns	0.360	0.444	0.457	0.437	0.359
>4.3 to 4.5 microns	0.232	0.286	0.294	0.281	0.231
>4.5 to 5 microns	0.618	0.767	0.773	0.742	0.607
>5 to 5.5 microns	0.607	0.759	0.758	0.726	0.595
>5.5 to 5.7 microns	0.233	0.293	0.292	0.279	0.229
>5.7 to 5.9 microns, Phi 7.5	0.230	0.288	0.286	0.274	0.224
>5.9 to 7.8 microns, Phi 7	2.120	2.700	2.640	2.520	2.070
>7.8 to 8 microns	0.211	0.274	0.266	0.250	0.207
>8 to 8.5 microns	0.504	0.656	0.636	0.598	0.496
>8.5 to 8.9 microns	0.386	0.504	0.489	0.458	0.381
>8.9 to 9.1 microns	0.194	0.256	0.248	0.230	0.193
>9.1 to 9.5 microns	0.375	0.495	0.480	0.445	0.373
>9.5 to 9.8 microns	0.271	0.358	0.347	0.321	0.269
>9.8 to 10.1 microns	0.263	0.348	0.336	0.312	0.261
>10.1 to 10.6 microns	0.442	0.595	0.575	0.526	0.445
>10.6 to 11.1 microns	0.422	0.568	0.548	0.502	0.424
>11.1 to 11.3 microns	0.163	0.220	0.212	0.194	0.164
>11.3 to 11.7 microns, Phi 6.5	0.318	0.431	0.417	0.379	0.322
>11.7 to 14 microns	1.660	2.290	2.220	1.970	1.710
>14 to 14.8 microns	0.520	0.728	0.708	0.621	0.543
>14.8 to 15.6 microns	0.500	0.709	0.692	0.599	0.529
>15.6 to 16 microns	0.244	0.350	0.342	0.293	0.261
>16 to 20 microns	2.180	3.170	3.120	2.620	2.370
>20 to 23 microns, Phi 5.5	1.420	2.130	2.130	1.720	1.600
>23 to 27 microns	1.760	2.710	2.740	2.130	2.030
>27 to 31 microns, Phi 5	1.720	2.690	2.770	2.080	2.010
>31 to 32 microns	0.445	0.699	0.723	0.534	0.521
>32 to 35.6 microns	1.630	2.550	2.640	1.940	1.900
>35.6 to 37 microns, Phi 4.75	0.675	1.050	1.090	0.796	0.781
>37 to 39.6 microns	1.240	1.920	2.000	1.460	1.430
>39.6 to 43.6 microns	2.220	3.340	3.480	2.550	2.510
>43.6 to 44 microns, Phi 4.5	0.210	0.317	0.330	0.242	0.238
>44 to 45 microns	0.528	0.793	0.824	0.606	0.597
>45 to 46.4 microns	0.941	1.340	1.390	1.050	1.040
>46.4 to 53 microns, Phi 4.25	4.370	6.090	6.280	4.820	4.770
>53 to 62.5 microns, Phi 4	7.280	9.070	9.220	7.690	7.680
>62.5 to 64 microns	1.210	1.400	1.410	1.250	1.250
>64 to 71.7 microns	6.380	6.810	6.780	6.410	6.490
>71.7 to 74 microns	1.920	1.920	1.890	1.890	1.930
>74 to 79.6 microns	4.630	4.330	4.240	4.470	4.580
>79.6 to 87.6 microns	6.460	5.490	5.300	6.070	6.290

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POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	E-17	E-19	E-19	E-20	E-20
	P393051	P372025	P393057	P372034	P393063
	16-JUL-2007	29-JAN-2007	16-JUL-2007	29-JAN-2007	16-JUL-2007
>87.6 to 88 microns, Phi 3.5	0.307	0.261	0.252	0.289	0.299
>88 to 90 microns	1.540	1.170	1.120	1.400	1.470
>90 to 105 microns, Phi 3.25	10.400	7.370	7.010	9.260	9.820
>105 to 125 microns, Phi 3	10.300	6.310	5.970	8.700	9.430
>125 to 149 microns, Phi 2.75	7.600	4.280	4.080	6.210	6.860
>149 to 160 microns	2.080	1.140	1.100	1.670	1.870
>160 to 177 microns, Phi 2.5	2.380	1.300	1.270	1.890	2.130
>177 to 197 microns	1.600	0.886	0.879	1.260	1.440
>197 to 210 microns, Phi 2.25	0.639	0.365	0.366	0.506	0.579
>210 to 217 microns	0.278	0.161	0.163	0.221	0.253
>217 to 245 microns	0.779	0.462	0.470	0.619	0.712
>245 to 250 microns, Phi 2	0.096	0.059	0.060	0.077	0.088
>250 to 300 microns, Phi 1.75	0.593	0.378	0.390	0.476	0.551
>300 to 320 microns	0.106	0.074	0.077	0.087	0.101
>320 to 350 microns, Phi 1.5	0.135	0.096	0.100	0.111	0.129
>350 to 360 microns	0.030	0.022	0.023	0.025	0.029
>360 to 400 microns	0.106	0.071	0.075	0.080	0.103
>400 to 420 microns, Phi 1.25	0.038	0.000	0.000	0.000	0.037
>420 to 440 microns	0.036	0.000	0.000	0.000	0.035
>440 to 500 microns, Phi 1	0.020	0.000	0.000	0.000	0.020
>500 to 590 microns, Phi 0.75	0.000	0.000	0.000	0.000	0.000
>590 to 630 microns	0.000	0.000	0.000	0.000	0.000
>630 to 696 microns	0.000	0.000	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	0.000	0.000	0.000	0.000
>710 to 773 microns	0.000	0.000	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	0.000	0.000	0.000	0.000
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	0.000	0.000	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	0.000	0.000	0.000	0.000
1000 to 1100 microns	0.000	0.000	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.000	0.000	0.000
>1190 to 1300 microns	0.000	0.000	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000
>2000 microns*	*	*	*	1.00	*
Totals:	100.032	100.000	100.023	101.023	100.012

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POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	E-21	E-21	E-23	E-23	E-25
	P372040	P393069	P372046	P393075	P372052
	29-JAN-2007	16-JUL-2007	29-JAN-2007	16-JUL-2007	29-JAN-2007
<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	0.256	0.382	0.264	0.431	0.267
>1.5 to 2 microns, Phi 9	0.459	0.498	0.459	0.561	0.483
>2.0 to 2.4 microns	0.438	0.471	0.423	0.528	0.462
>2.4 to 2.9 microns, Phi 8.5	0.592	0.634	0.559	0.704	0.623
>2.9 to 3.4 microns	0.625	0.668	0.581	0.736	0.657
>3.4 to 3.9 microns, Phi 8	0.690	0.735	0.629	0.804	0.724
>3.9 to 4 microns	0.143	0.151	0.130	0.166	0.150
>4.0 to 4.3 microns	0.410	0.435	0.373	0.476	0.430
>4.3 to 4.5 microns	0.264	0.280	0.240	0.306	0.277
>4.5 to 5 microns	0.705	0.745	0.637	0.814	0.738
>5 to 5.5 microns	0.691	0.728	0.629	0.799	0.726
>5.5 to 5.7 microns	0.266	0.280	0.242	0.308	0.279
>5.7 to 5.9 microns, Phi 7.5	0.261	0.275	0.238	0.302	0.275
>5.9 to 7.8 microns, Phi 7	2.410	2.510	2.230	2.790	2.540
>7.8 to 8 microns	0.237	0.245	0.226	0.277	0.253
>8 to 8.5 microns	0.567	0.587	0.542	0.664	0.606
>8.5 to 8.9 microns	0.434	0.448	0.417	0.509	0.465
>8.9 to 9.1 microns	0.216	0.222	0.212	0.255	0.234
>9.1 to 9.5 microns	0.418	0.430	0.411	0.494	0.452
>9.5 to 9.8 microns	0.302	0.311	0.297	0.357	0.327
>9.8 to 10.1 microns	0.293	0.301	0.288	0.347	0.317
>10.1 to 10.6 microns	0.490	0.500	0.496	0.585	0.536
>10.6 to 11.1 microns	0.467	0.477	0.473	0.558	0.512
>11.1 to 11.3 microns	0.181	0.185	0.183	0.216	0.198
>11.3 to 11.7 microns, Phi 6.5	0.351	0.357	0.360	0.422	0.387
>11.7 to 14 microns	1.800	1.810	1.920	2.190	2.020
>14 to 14.8 microns	0.559	0.561	0.615	0.690	0.636
>14.8 to 15.6 microns	0.533	0.532	0.601	0.664	0.615
>15.6 to 16 microns	0.258	0.256	0.297	0.324	0.301
>16 to 20 microns	2.270	2.250	2.710	2.900	2.700
>20 to 23 microns, Phi 5.5	1.440	1.400	1.840	1.890	1.770
>23 to 27 microns	1.730	1.660	2.340	2.320	2.210
>27 to 31 microns, Phi 5	1.640	1.570	2.320	2.250	2.170
>31 to 32 microns	0.417	0.395	0.600	0.575	0.558
>32 to 35.6 microns	1.510	1.430	2.180	2.080	2.030
>35.6 to 37 microns, Phi 4.75	0.620	0.584	0.895	0.849	0.830
>37 to 39.6 microns	1.140	1.070	1.640	1.550	1.520
>39.6 to 43.6 microns	2.020	1.900	2.850	2.680	2.640
>43.6 to 44 microns, Phi 4.5	0.192	0.180	0.270	0.255	0.250
>44 to 45 microns	0.481	0.454	0.676	0.637	0.626
>45 to 46.4 microns	0.860	0.814	1.160	1.090	1.070
>46.4 to 53 microns, Phi 4.25	4.010	3.810	5.280	4.960	4.900
>53 to 62.5 microns, Phi 4	6.830	6.570	8.220	7.690	7.660
>62.5 to 64 microns	1.150	1.120	1.310	1.230	1.230
>64 to 71.7 microns	6.190	6.070	6.640	6.210	6.260
>71.7 to 74 microns	1.890	1.860	1.940	1.810	1.830
>74 to 79.6 microns	4.610	4.570	4.520	4.230	4.310
>79.6 to 87.6 microns	6.540	6.540	6.040	5.660	5.810

*=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.

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	E-21	E-21	E-23	E-23	E-25
	P372040	P393069	P372046	P393075	P372052
	29-JAN-2007	16-JUL-2007	29-JAN-2007	16-JUL-2007	29-JAN-2007
>87.6 to 88 microns, Phi 3.5	0.311	0.311	0.287	0.269	0.276
>88 to 90 microns	1.570	1.590	1.370	1.290	1.340
>90 to 105 microns, Phi 3.25	10.700	10.900	8.970	8.480	8.900
>105 to 125 microns, Phi 3	10.500	10.700	8.300	7.980	8.550
>125 to 149 microns, Phi 2.75	7.610	7.750	5.900	5.800	6.360
>149 to 160 microns	2.040	2.070	1.590	1.600	1.770
>160 to 177 microns, Phi 2.5	2.310	2.340	1.810	1.850	2.060
>177 to 197 microns	1.520	1.540	1.220	1.270	1.410
>197 to 210 microns, Phi 2.25	0.602	0.610	0.495	0.521	0.573
>210 to 217 microns	0.261	0.264	0.217	0.230	0.251
>217 to 245 microns	0.727	0.736	0.612	0.652	0.707
>245 to 250 microns, Phi 2	0.089	0.090	0.076	0.082	0.088
>250 to 300 microns, Phi 1.75	0.548	0.556	0.478	0.516	0.542
>300 to 320 microns	0.098	0.100	0.089	0.096	0.097
>320 to 350 microns, Phi 1.5	0.125	0.128	0.114	0.123	0.124
>350 to 360 microns	0.027	0.028	0.026	0.027	0.027
>360 to 400 microns	0.088	0.091	0.082	0.089	0.088
>400 to 420 microns, Phi 1.25	0.000	0.000	0.000	0.000	0.000
>420 to 440 microns	0.000	0.000	0.000	0.000	0.000
>440 to 500 microns, Phi 1	0.000	0.000	0.000	0.000	0.000
>500 to 590 microns, Phi 0.75	0.000	0.000	0.000	0.000	0.000
>590 to 630 microns	0.000	0.000	0.000	0.000	0.000
>630 to 696 microns	0.000	0.000	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	0.000	0.000	0.000	0.000
>710 to 773 microns	0.000	0.000	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	0.000	0.000	0.000	0.000
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	0.000	0.000	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	0.000	0.000	0.000	0.000
1000 to 1100 microns	0.000	0.000	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.000	0.000	0.000
>1190 to 1300 microns	0.000	0.000	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000	0.000	0.000
>2000 microns*	*	*	*	*	*
Totals:	99.982	100.065	100.039	100.018	100.027

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POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	E-25	E-26	E-26
	P394017	P371873	P394023
	24-JUL-2007	26-JAN-2007	24-JUL-2007
<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	0.393	0.445	0.347
>1.5 to 2 microns, Phi 9	0.499	0.572	0.529
>2.0 to 2.4 microns	0.461	0.531	0.505
>2.4 to 2.9 microns, Phi 8.5	0.608	0.704	0.680
>2.9 to 3.4 microns	0.628	0.732	0.717
>3.4 to 3.9 microns, Phi 8	0.678	0.794	0.790
>3.9 to 4 microns	0.139	0.164	0.164
>4.0 to 4.3 microns	0.399	0.469	0.469
>4.3 to 4.5 microns	0.256	0.302	0.303
>4.5 to 5 microns	0.676	0.800	0.807
>5 to 5.5 microns	0.662	0.786	0.795
>5.5 to 5.7 microns	0.255	0.303	0.307
>5.7 to 5.9 microns, Phi 7.5	0.250	0.297	0.302
>5.9 to 7.8 microns, Phi 7	2.300	2.750	2.800
>7.8 to 8 microns	0.229	0.275	0.280
>8 to 8.5 microns	0.548	0.659	0.671
>8.5 to 8.9 microns	0.421	0.505	0.514
>8.9 to 9.1 microns	0.212	0.255	0.259
>9.1 to 9.5 microns	0.410	0.494	0.502
>9.5 to 9.8 microns	0.297	0.357	0.363
>9.8 to 10.1 microns	0.288	0.346	0.352
>10.1 to 10.6 microns	0.488	0.588	0.597
>10.6 to 11.1 microns	0.465	0.561	0.569
>11.1 to 11.3 microns	0.180	0.217	0.221
>11.3 to 11.7 microns, Phi 6.5	0.353	0.425	0.430
>11.7 to 14 microns	1.860	2.230	2.250
>14 to 14.8 microns	0.588	0.708	0.709
>14.8 to 15.6 microns	0.572	0.686	0.684
>15.6 to 16 microns	0.281	0.337	0.335
>16 to 20 microns	2.540	3.040	3.000
>20 to 23 microns, Phi 5.5	1.700	2.020	1.960
>23 to 27 microns	2.140	2.530	2.430
>27 to 31 microns, Phi 5	2.120	2.480	2.360
>31 to 32 microns	0.549	0.637	0.603
>32 to 35.6 microns	2.000	2.300	2.180
>35.6 to 37 microns, Phi 4.75	0.821	0.937	0.887
>37 to 39.6 microns	1.500	1.710	1.620
>39.6 to 43.6 microns	2.620	2.930	2.790
>43.6 to 44 microns, Phi 4.5	0.248	0.278	0.265
>44 to 45 microns	0.621	0.694	0.662
>45 to 46.4 microns	1.060	1.170	1.120
>46.4 to 53 microns, Phi 4.25	4.870	5.300	5.120
>53 to 62.5 microns, Phi 4	7.620	8.040	7.930
>62.5 to 64 microns	1.220	1.270	1.270
>64 to 71.7 microns	6.230	6.340	6.400
>71.7 to 74 microns	1.820	1.830	1.860
>74 to 79.6 microns	4.300	4.240	4.350
>79.6 to 87.6 microns	5.810	5.600	5.800

*=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.

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	E-25	E-26	E-26
	P394017 24-JUL-2007	P371873 26-JAN-2007	P394023 24-JUL-2007
>87.6 to 88 microns, Phi 3.5	0.276	0.266	0.276
>88 to 90 microns	1.350	1.250	1.310
>90 to 105 microns, Phi 3.25	9.000	8.150	8.520
>105 to 125 microns, Phi 3	8.790	7.430	7.740
>125 to 149 microns, Phi 2.75	6.680	5.230	5.390
>149 to 160 microns	1.910	1.410	1.420
>160 to 177 microns, Phi 2.5	2.230	1.610	1.610
>177 to 197 microns	1.570	1.090	1.070
>197 to 210 microns, Phi 2.25	0.648	0.440	0.429
>210 to 217 microns	0.287	0.193	0.187
>217 to 245 microns	0.816	0.546	0.525
>245 to 250 microns, Phi 2	0.103	0.068	0.065
>250 to 300 microns, Phi 1.75	0.644	0.430	0.407
>300 to 320 microns	0.118	0.081	0.076
>320 to 350 microns, Phi 1.5	0.150	0.104	0.091
>350 to 360 microns	0.033	0.024	0.012
>360 to 400 microns	0.118	0.076	0.040
>400 to 420 microns, Phi 1.25	0.041	0.000	0.000
>420 to 440 microns	0.039	0.000	0.000
>440 to 500 microns, Phi 1	0.022	0.000	0.000
>500 to 590 microns, Phi 0.75	0.000	0.000	0.000
>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 microns*	*	*	*
Totals:	100.010	100.036	100.026

*=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.

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Grain Size (Sieve)
 (all values are in percent distribution)

From 01-JAN-2007 to 31-DEC-2007

Analyte	E-2	E-2	E-3	E-9
	P371762 25-JAN-2007	P392002 10-JUL-2007	P392008 10-JUL-2007	P371793 25-JAN-2007
<63 microns, Phi<4	35.700	37.900	19.500	30.500
>63 to 125 microns, Phi>4	22.800	24.100	15.600	28.100
>125 to 250 microns, Phi>3	15.000	14.500	34.600	5.000
>250 to 500 microns, Phi>2	9.940	9.030	12.700	3.410
>500 to 1000 microns, Phi>1	7.910	7.350	8.560	16.600
>1000 to 2000 microns, Phi>0	4.410	3.820	5.300	15.100
>2000 microns, Phi>-1	4.210	3.340	3.770	2.760
Totals:	99.970	100.040	100.030	101.470

POINT LOMA WASTEWATER TREATMENT PLANT
OCEAN SEDIMENT ANNUAL SUMMARY
Total Organic Carbon/Total Nitrogen

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	A-2	A-5	A-8	A-9	A-15	A-16	B-3
			Avg 2007	Avg 2007	Avg 2007	Avg 2007	Avg 2007	Avg 2007	Avg 2007
Total Nitrogen	.005	WT%	0.063	0.071	0.074	0.063	0.070	0.063	0.062
Total Organic Carbon	.01	WT%	0.715	0.780	0.788	0.690	0.836	0.711	0.684

Analyte	MDL	Units	B-5	B-8	B-9	B-10	B-11	B-12	E-1
			Avg 2007	Avg 2007	Avg 2007	Avg 2007	Avg 2007	Avg 2007	Avg 2007
Total Nitrogen	.005	WT%	0.084	0.076	0.063	0.058	0.072	0.061	0.050
Total Organic Carbon	.01	WT%	1.050	0.901	0.954	1.410	2.900	3.830	0.635

Analyte	MDL	Units	E-2	E-3	E-5	E-7	E-8	E-9	E-11
			Avg 2007	Avg 2007	Avg 2007	Avg 2007	Avg 2007	Avg 2007	Avg 2007
Total Nitrogen	.005	WT%	0.066	0.036	0.042	0.034	0.047	0.055	0.045
Total Organic Carbon	.01	WT%	0.878	0.507	0.644	0.695	0.701	1.540	0.672

Analyte	MDL	Units	E-14	E-15	E-17	E-19	E-20	E-21	E-23
			Avg 2007	Avg 2007	Avg 2007	Avg 2007	Avg 2007	Avg 2007	Avg 2007
Total Nitrogen	.005	WT%	0.037	0.052	0.048	0.069	0.055	0.051	0.058
Total Organic Carbon	.01	WT%	0.440	0.778	0.548	0.750	0.644	0.630	0.681

Analyte	MDL	Units	E-25	E-26
			Avg 2007	Avg 2007
Total Nitrogen	.005	WT%	0.051	0.067
Total Organic Carbon	.01	WT%	0.668	0.771

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

POINT LOMA WASTEWATER TREATMENT PLANT
OCEAN SEDIMENT ANNUAL SUMMARY
Trace Metals

From: 01-JAN-2007 to: 31-DEC-2007

Source:		A-2	A-5	A-8	A-9	A-15	A-16	B-3
Date:		2007	2007	2007	2007	2007	2007	2007
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average	Average
Aluminum	1.2 MG/KG	13900	13300	14400	12400	16000	13400	12900
Antimony	.13 MG/KG	0.49	0.89	0.32	0.82	0.58	0.86	0.21
Arsenic	.33 MG/KG	3.86	2.97	2.50	2.64	3.73	3.34	2.36
Barium	.0018 MG/KG	57.9	63.5	58.1	58.0	70.2	62.1	49.2
Beryllium	.0012 MG/KG	ND	ND	ND	ND	ND	ND	ND
Cadmium	.01 MG/KG	0.10	0.14	0.14	0.16	0.18	0.13	0.09
Chromium	.016 MG/KG	20.0	22.3	20.4	20.3	22.9	21.1	19.3
Copper	.028 MG/KG	6.94	9.75	8.25	9.32	9.15	7.50	6.32
Iron	.76 MG/KG	14600	17000	15300	15500	16800	16100	14900
Lead	.142 MG/KG	3.22	4.25	4.48	3.94	5.11	3.66	4.38
Manganese	.0037 MG/KG	148.0	283.0	136.0	145.0	156.0	155.0	125.0
Mercury	.003 MG/KG	0.052	0.052	0.075	0.046	0.050	0.043	0.034
Nickel	.036 MG/KG	8.10	9.69	8.46	8.49	9.47	8.84	7.39
Selenium	.24 MG/KG	ND	ND	ND	ND	ND	0.26	0.45
Silver	.013 MG/KG	8.69	5.04	3.76	4.96	4.67	6.00	3.59
Thallium	.22 MG/KG	0.61	0.88	ND	0.89	0.55	1.10	0.78
Tin	.059 MG/KG	1.56	1.15	2.16	1.23	2.40	2.38	2.02
Zinc	.052 MG/KG	37.7	40.9	40.1	37.9	43.5	40.9	35.8

Source:		B-5	B-8	B-9	B-10	B-11	B-12	E-1
Date:		2007	2007	2007	2007	2007	2007	2007
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average	Average
Aluminum	1.2 MG/KG	14000	14600	11900	9120	12200	8320	12700
Antimony	.13 MG/KG	0.51	0.38	0.44	0.31	0.40	0.42	<0.13
Arsenic	.33 MG/KG	3.46	2.84	2.84	2.53	3.48	4.18	2.60
Barium	.0018 MG/KG	62.5	53.1	67.6	30.5	48.0	26.0	45.4
Beryllium	.0012 MG/KG	ND	ND	ND	ND	ND	ND	ND
Cadmium	.01 MG/KG	0.06	0.06	0.06	0.07	0.07	0.08	ND
Chromium	.016 MG/KG	23.9	23.2	25.1	19.3	25.1	27.6	18.9
Copper	.028 MG/KG	5.94	6.89	4.28	3.73	5.35	1.35	7.58
Iron	.76 MG/KG	19700	16900	19000	14200	20500	23000	14200
Lead	.142 MG/KG	4.22	2.58	2.92	2.20	3.51	2.55	3.95
Manganese	.0037 MG/KG	146.0	141.0	122.0	91.4	141.0	84.1	117.0
Mercury	.003 MG/KG	0.031	0.041	0.029	0.018	0.028	0.021	0.060
Nickel	.036 MG/KG	7.93	10.30	8.65	6.42	9.14	6.89	7.26
Selenium	.24 MG/KG	ND	<0.24	<0.24	<0.24	0.36	0.33	ND
Silver	.013 MG/KG	3.56	2.97	1.85	0.95	0.92	ND	1.06
Thallium	.22 MG/KG	0.55	0.68	0.26	<0.22	<0.22	ND	0.94
Tin	.059 MG/KG	2.10	1.83	1.81	1.37	1.51	1.17	1.37
Zinc	.052 MG/KG	42.2	38.0	38.3	29.8	40.0	36.8	32.5

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

POINT LOMA WASTEWATER TREATMENT PLANT
OCEAN SEDIMENT ANNUAL SUMMARY
Trace Metals

From: 01-JAN-2007 to: 31-DEC-2007

Source:		E-2	E-3	E-5	E-7	E-8	E-9	E-11
Date:		2007	2007	2007	2007	2007	2007	2007
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average	Average
Aluminum	1.2 MG/KG	17500	11700	9350	11400	10300	8410	8130
Antimony	.13 MG/KG	0.24	0.22	0.28	0.14	0.19	0.30	0.14
Arsenic	.33 MG/KG	2.92	2.76	2.01	2.55	2.07	3.64	2.43
Barium	.0018 MG/KG	77.2	54.0	32.3	42.3	38.6	30.1	27.9
Beryllium	.0012 MG/KG	ND	ND	ND	ND	ND	ND	ND
Cadmium	.01 MG/KG	ND	0.04	0.06	0.07	0.07	0.06	0.06
Chromium	.016 MG/KG	23.9	16.6	15.2	17.9	16.8	17.8	14.4
Copper	.028 MG/KG	11.70	13.40	4.75	5.95	5.53	6.87	4.22
Iron	.76 MG/KG	21400	14200	11100	13100	12000	12600	10300
Lead	.142 MG/KG	3.10	6.81	1.84	2.75	2.73	2.83	1.83
Manganese	.0037 MG/KG	152.0	108.0	90.1	107.0	96.0	76.7	81.0
Mercury	.003 MG/KG	0.054	0.071	0.027	0.035	0.026	0.025	0.018
Nickel	.036 MG/KG	9.20	6.56	6.38	7.71	7.33	6.67	5.97
Selenium	.24 MG/KG	ND	<0.24	<0.24	ND	<0.24	ND	ND
Silver	.013 MG/KG	1.31	1.12	0.97	1.73	0.77	0.36	0.56
Thallium	.22 MG/KG	0.91	0.60	0.62	0.36	0.39	<0.22	<0.22
Tin	.059 MG/KG	1.33	1.38	1.24	1.36	1.70	1.17	1.21
Zinc	.052 MG/KG	36.7	40.6	26.6	32.6	26.8	34.6	22.4

Source:		E-14	E-15	E-17	E-19	E-20	E-21	E-23
Date:		2007	2007	2007	2007	2007	2007	2007
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average	Average
Aluminum	1.2 MG/KG	7120	8470	7850	12700	9910	8560	11000
Antimony	.13 MG/KG	<0.13	0.20	0.15	0.25	0.16	0.13	0.13
Arsenic	.33 MG/KG	2.27	2.15	2.98	3.33	2.44	2.57	2.08
Barium	.0018 MG/KG	26.7	28.9	28.6	47.9	33.9	27.3	40.5
Beryllium	.0012 MG/KG	ND	ND	ND	ND	ND	ND	ND
Cadmium	.01 MG/KG	0.07	0.07	0.07	0.04	0.08	0.05	0.07
Chromium	.016 MG/KG	13.3	15.7	14.1	19.2	15.9	14.1	17.6
Copper	.028 MG/KG	4.13	5.55	4.65	6.63	5.17	4.53	5.88
Iron	.76 MG/KG	9490	10900	10300	14000	11600	9960	12700
Lead	.142 MG/KG	1.58	2.49	1.94	2.83	1.55	2.06	2.57
Manganese	.0037 MG/KG	73.5	80.9	78.9	118.0	95.4	80.3	104.0
Mercury	.003 MG/KG	0.016	0.021	0.023	0.035	0.020	0.021	0.029
Nickel	.036 MG/KG	5.83	6.45	6.12	8.27	7.16	5.97	7.69
Selenium	.24 MG/KG	<0.24	<0.24	ND	0.27	ND	ND	ND
Silver	.013 MG/KG	0.41	0.56	0.54	2.00	1.32	1.06	1.44
Thallium	.22 MG/KG	0.41	<0.22	0.29	0.48	0.63	0.36	0.57
Tin	.059 MG/KG	1.08	1.32	1.07	1.57	1.13	1.00	1.46
Zinc	.052 MG/KG	21.5	25.5	22.1	32.4	28.2	23.6	29.2

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

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Trace Metals

From: 01-JAN-2007 to: 31-DEC-2007

Source:		E-25	E-26
Date:		2007	2007
Analyte:	MDL Units	Average	Average
=====	=====	=====	=====
Aluminum	1.2 MG/KG	11500	11700
Antimony	.13 MG/KG	0.40	0.36
Arsenic	.33 MG/KG	2.46	3.04
Barium	.0018 MG/KG	42.0	42.0
Beryllium	.0012 MG/KG	ND	ND
Cadmium	.01 MG/KG	0.06	0.05
Chromium	.016 MG/KG	19.1	19.3
Copper	.028 MG/KG	5.75	5.63
Iron	.76 MG/KG	14000	14100
Lead	.142 MG/KG	2.55	2.69
Manganese	.0037 MG/KG	125.0	123.0
Mercury	.003 MG/KG	0.031	0.032
Nickel	.036 MG/KG	8.25	8.53
Selenium	.24 MG/KG	ND	<0.24
Silver	.013 MG/KG	2.95	2.58
Thallium	.22 MG/KG	0.75	0.83
Tin	.059 MG/KG	1.78	1.61
Zinc	.052 MG/KG	29.5	31.0

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

POINT LOMA WASTEWATER TREATMENT PLANT
OCEAN SEDIMENT ANNUAL SUMMARY
Chlorinated Pesticide Analysis

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	A-2	A-5	A-8	A-9	A-15	A-16	B-3	B-5
			2007	2007	2007	2007	2007	2007	2007	2007
			Average	Average	Average	Average	Average	Average	Average	Average
Aldrin	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDD	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDE	400	NG/KG	ND	ND	520	<400	500	ND	ND	ND
p,-p-DDMU		NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDT	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDD	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Oxychlordane	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	700	NG/KG	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	400	NG/KG	0	0	0	0	0	0	0	0
DDT and derivatives	700	NG/KG	0	0	520	0	500	0	0	0
Chlordane + related cmpds.	700	NG/KG	0	0	0	0	0	0	0	0
Chlorinated Hydrocarbons	700	NG/KG	0	0	520	0	500	0	0	0

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
OCEAN SEDIMENT ANNUAL SUMMARY
Chlorinated Pesticide Analysis

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL Units	B-8	B-9	B-10	B-11	B-12	E-1	E-2	E-3
		2007	2007	2007	2007	2007	2007	2007	2007
		Average	Average	Average	Average	Average	Average	Average	Average
Aldrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	<400
BHC, Gamma isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDD	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDE	400 NG/KG	<400	<400	<400	<400	<400	E440	<400	<400
p,p-DDMU	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDD	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	<700
Heptachlor epoxide	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	700 NG/KG	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0	0	0	0	0	0
DDT and derivatives	700 NG/KG	0	0	0	0	0	440	0	0
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0	0	0
Chlorinated Hydrocarbons	700 NG/KG	0	0	0	0	0	440	0	0

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
OCEAN SEDIMENT ANNUAL SUMMARY
Chlorinated Pesticide Analysis

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL Units	E-5	E-7	E-8	E-9	E-11	E-14	E-15	E-17
		2007	2007	2007	2007	2007	2007	2007	2007
		Average	Average	Average	Average	Average	Average	Average	Average
Aldrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDD	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDE	400 NG/KG	<400	<400	<400	<400	<400	<400	<400	<400
p,p-DDMU	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDD	400 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	700 NG/KG	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0	0	0	0	0	0
DDT and derivatives	700 NG/KG	0	0	0	0	0	0	0	0
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0	0	0
Chlorinated Hydrocarbons	700 NG/KG	0	0	0	0	0	0	0	0

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 Chlorinated Pesticide Analysis

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL Units	E-19	E-20	E-21	E-23	E-25	E-26
		2007	2007	2007	2007	2007	2007
		Average	Average	Average	Average	Average	Average
Aldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	700 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400 NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDD	700 NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDE	400 NG/KG	<400	E275	E250	<400	<400	<400
p,p-DDMU	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDD	400 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDE	700 NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	700 NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Gamma Chlordene	NG/KG	NA	NA	NA	NA	NA	NA
Oxychlordane	700 NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700 NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin	700 NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700 NG/KG	ND	ND	ND	ND	ND	ND
Mirex	700 NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	700 NG/KG	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	700 NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	400 NG/KG	0	0	0	0	0	0
DDT and derivatives	700 NG/KG	0	275	250	0	0	0
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0
Chlorinated Hydrocarbons	700 NG/KG	0	275	250	0	0	0

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
OCEAN SEDIMENT ANNUAL SUMMARY
PCB Congeners

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	A-2	A-5	A-8	A-9	A-15	A-16	B-3	B-5
			2007	2007	2007	2007	2007	2007	2007	2007
			Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	0	0	0	0	0

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
OCEAN SEDIMENT ANNUAL SUMMARY
PCB Congeners

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	B-8	B-9	B-10	B-11	B-12	E-1	E-2	E-3
			2007 Avg	2007 Avg	2007 Avg	2007 Avg	2007 Avg	2007 Avg	2007 Avg	2007 Avg
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	<700
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	<700
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	<700
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	<700	<700	E1000
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 110	700	NG/KG	ND	ND	ND	ND	ND	<700	E160	<700
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	ND	ND	E400	ND	<700
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	<700
PCB 118	700	NG/KG	ND	ND	ND	ND	ND	<700	<700	<700
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 138	700	NG/KG	ND	ND	ND	ND	ND	<700	<700	<700
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	<700
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	<400	ND	ND	ND	ND	<400	<400	<400
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	<700	<700	<700
===== Total PCB's	===== 1500	===== NG/KG	===== 0	===== 0	===== 0	===== 0	===== 0	===== 400	===== 160	===== 1000

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
OCEAN SEDIMENT ANNUAL SUMMARY
PCB Congeners

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	E-5	E-7	E-8	E-9	E-11	E-14	E-15	E-17
			2007 Avg	2007 Avg	2007 Avg	2007 Avg	2007 Avg	2007 Avg	2007 Avg	2007 Avg
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 110	700	NG/KG	<700	<700	ND	<700	<700	ND	ND	<700
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	<400	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	0	0	0	0	0

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
 OCEAN SEDIMENT ANNUAL SUMMARY
 PCB Congeners

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	E-19	E-20	E-21	E-23	E-25	E-26
			2007	2007	2007	2007	2007	2007
			Avg	Avg	Avg	Avg	Avg	Avg
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	<700	ND	ND
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	<700	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	<400	ND	ND	<400	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND
===== Total PCB's	===== 1500	===== NG/KG	===== 0	===== 0	===== 0	===== 0	===== 0	===== 0

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
OCEAN SEDIMENT ANNUAL SUMMARY
Base/Neutrals

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	A-2	A-5	A-8	A-9	A-15	A-16	B-3	B-5	B-8	B-9	B-10	B-11	B-12
			2007	2007	2007	2007	2007	2007	2007	2007	2007	2007	2007	2007	2007
			Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
Acenaphthene	11	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	11	UG/KG	ND	ND	ND	ND	ND	ND	ND	<11	ND	<11	ND	<11	ND
Anthracene	14	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	<14	<14	<14	<14	ND
Benzo[A]anthracene	34	UG/KG	ND	<34	ND	ND	ND	ND	ND	ND	<34	<34	<34	<34	<34
Benzo[A]pyrene	55	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	63	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	57	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	56	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	<56	ND	ND	ND
Benzo[K]fluoranthene	82	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	89	UG/KG	<89	ND	E24	ND	E16	ND	ND	ND	<89	E12	<89	E23	<89
Chrysene	36	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	<36	<36	<36	<36	<36
Dibenzo(A,H)anthracene	32	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	106	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	<106	<106	<106	E9	ND
Fluoranthene	24	UG/KG	ND	E13	ND	ND	35	ND	ND	ND	<24	ND	<24	ND	ND
Fluorene	18	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	<18	<18	ND	<18
Indeno(1,2,3-CD)pyrene	76	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	41	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<41	<41	ND
2-methylnaphthalene	102	UG/KG	ND	E12	E16	E12	ND	E9	E5	E9	E21	E17	E18	E39	E15
1-methylnaphthalene	70	UG/KG	ND	E5	<70	E5	ND	ND	E2	E5	<70	E7	E7	E25	<70
Naphthalene	21	UG/KG	<21	31	44	33	E19	23	E17	27	30	E29	E31	83	25
Perylene	58	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	32	UG/KG	ND	<32	<32	E16	E26	E17	ND	ND	<32	E11	<32	E17	<32
Pyrene	35	UG/KG	ND	E28	ND	ND	56	ND	ND	ND	<35	ND	ND	<35	ND
2,3,5-trimethylnaphthalene	134	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Base/Neutral Compounds	134	UG/KG	0	89	84	66	152	49	24	41	51	76	56	196	40

Analyte	MDL	Units	E-1	E-2	E-3	E-5	E-7	E-8	E-9	E-11	E-14	E-15	E-17	E-19	E-20
			2007	2007	2007	2007	2007	2007	2007	2007	2007	2007	2007	2007	2007
			Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
Acenaphthene	11	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	11	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	<11	ND	ND	ND	ND
Anthracene	14	UG/KG	<14	ND	<14	ND	<14	<14	<14	<14	<14	<14	<14	<14	<14
Benzo[A]anthracene	34	UG/KG	<34	<34	<34	<34	<34	<34	<34	<34	<34	<34	<34	<34	<34
Benzo[A]pyrene	55	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	63	UG/KG	<63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	57	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	56	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	82	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	89	UG/KG	<89	<89	<89	E14	E13	E10	<89	<89	<89	<89	<89	<89	<89
Chrysene	36	UG/KG	<36	ND	<36	ND	<36	ND	ND	<36	<36	<36	<36	<36	<36
Dibenzo(A,H)anthracene	32	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	106	UG/KG	<106	<106	<106	<106	<106	<106	<106	<106	<106	ND	<106	<106	<106
Fluoranthene	24	UG/KG	<24	ND	<24	<24	<24	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	18	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	<18	ND	<18	ND	<18
Indeno(1,2,3-CD)pyrene	76	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	41	UG/KG	<41	ND	ND	ND	<41	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	102	UG/KG	<102	E23	<102	E17	E20	<102	E15	<102	E16	E21	E16	E19	<102
1-methylnaphthalene	70	UG/KG	<70	<70	<70	<70	<70	<70	<70	<70	<70	E10	<70	<70	<70
Naphthalene	21	UG/KG	E23	40	25	E23	28	23	E27	26	37	41	27	30	E21
Perylene	58	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	32	UG/KG	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32
Pyrene	35	UG/KG	<35	<35	<35	<35	<35	<35	<35	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	134	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Base/Neutral Compounds	134	UG/KG	23	63	25	54	61	33	42	26	53	72	43	49	21

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

POINT LOMA WASTEWATER TREATMENT PLANT
OCEAN SEDIMENT ANNUAL SUMMARY
Base/Neutrals

From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	E-21	E-23	E-25	E-26
			2007	2007	2007	2007
			Avg	Avg	Avg	Avg
Acenaphthene	11	UG/KG	ND	<11	ND	<11
Acenaphthylene	11	UG/KG	ND	ND	ND	ND
Anthracene	14	UG/KG	ND	<14	ND	<14
Benzo[A]anthracene	34	UG/KG	<34	<34	<34	<34
Benzo[A]pyrene	55	UG/KG	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	63	UG/KG	ND	ND	ND	ND
Benzo[e]pyrene	57	UG/KG	ND	ND	ND	ND
Benzo[G,H,I]perylene	56	UG/KG	ND	ND	ND	ND
Benzo[K]fluoranthene	82	UG/KG	ND	ND	ND	ND
Biphenyl	89	UG/KG	<89	<89	<89	<89
Chrysene	36	UG/KG	ND	<36	<36	<36
Dibenzo(A,H)anthracene	32	UG/KG	ND	ND	ND	ND
2,6-dimethylnaphthalene	106	UG/KG	ND	<106	ND	ND
Fluoranthene	24	UG/KG	ND	ND	ND	ND
Fluorene	18	UG/KG	<18	<18	<18	ND
Indeno(1,2,3-CD)pyrene	76	UG/KG	ND	ND	ND	ND
1-methylphenanthrene	41	UG/KG	ND	ND	ND	ND
2-methylnaphthalene	102	UG/KG	<102	<102	<102	E15
1-methylnaphthalene	70	UG/KG	<70	<70	<70	E7
Naphthalene	21	UG/KG	30	45	26	E28
Perylene	58	UG/KG	ND	ND	ND	ND
Phenanthrene	32	UG/KG	<32	<32	<32	<32
Pyrene	35	UG/KG	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	134	UG/KG	ND	ND	ND	ND
Base/Neutral Compounds	134	UG/KG	30	45	26	50

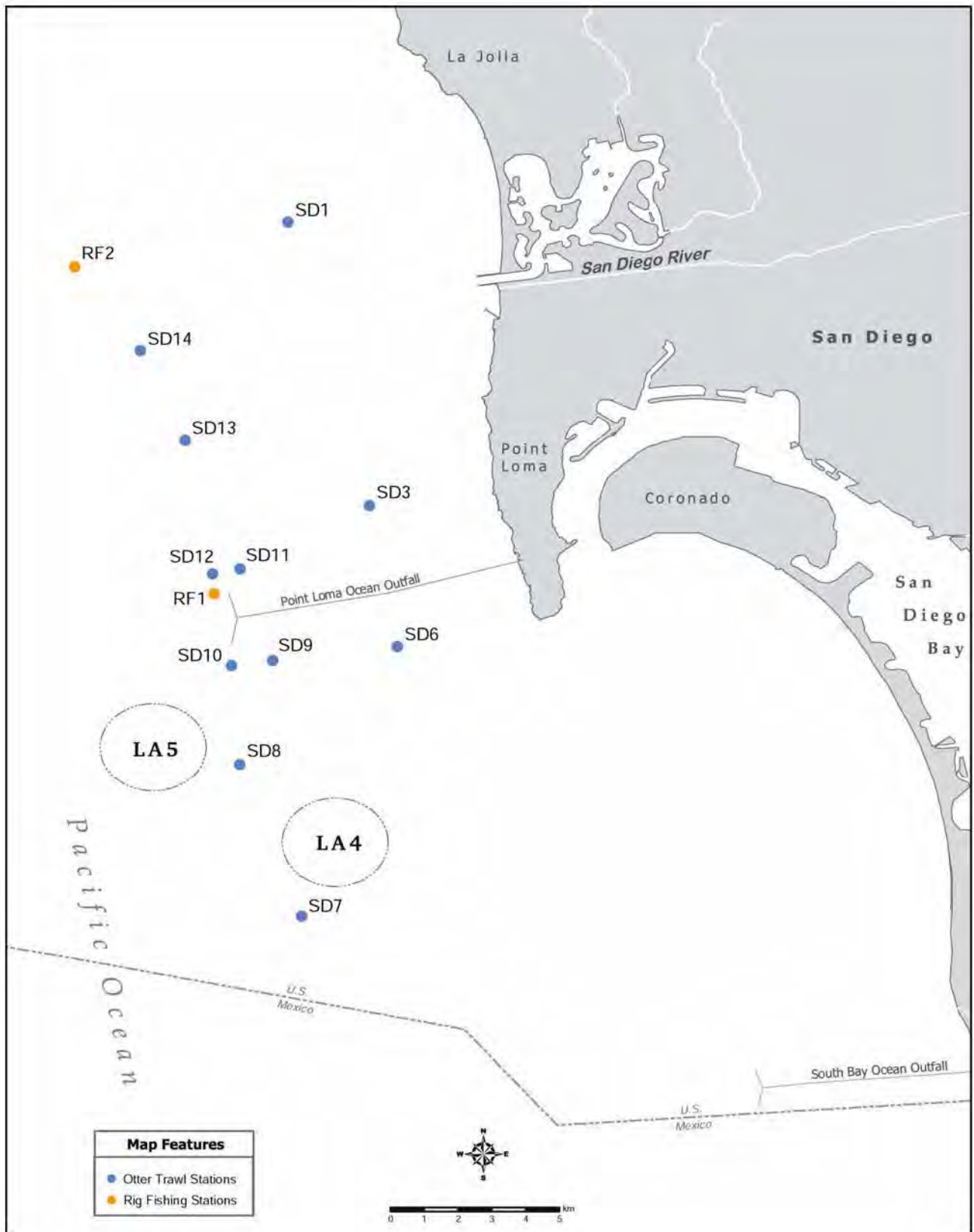
nd=not detected; NS=not sampled; NA=not analyzed

B. Fish Tissue Data.

Fish were taken from the stations shown in the below tables during 2007. The fish were dissected, preserved by freezing, and each sample analyzed for trace metals, chlorinated pesticides, PCBs, Lipids, and total solids.

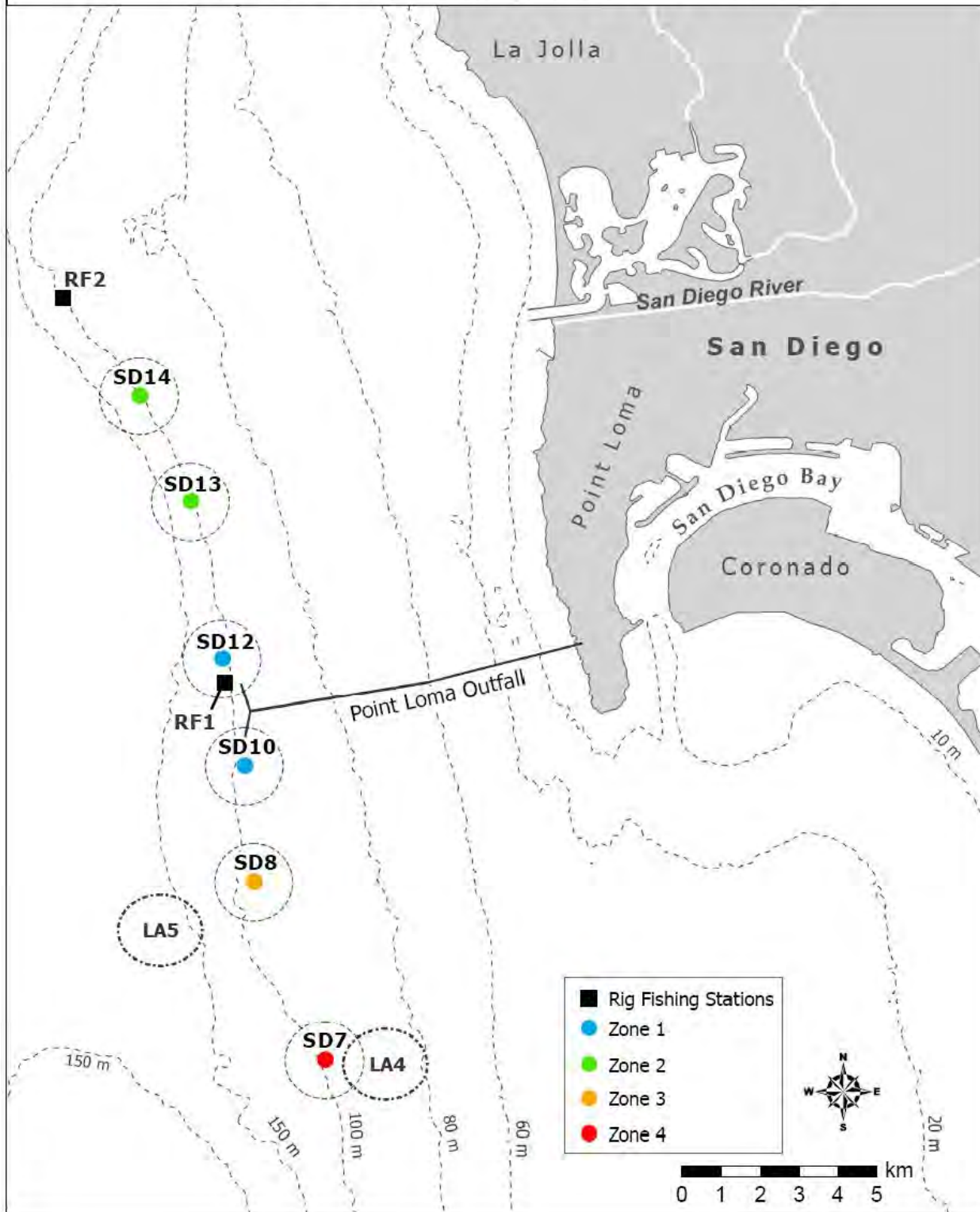
The reported values are annual averages. Results for individual sampling events are contained in the previously published quarterly reports.

<u>Station</u>	<u>Matrix</u>	<u>Station</u>	<u>Matrix</u>
RF-1	FISH_MUSCLE	TFZONE1 (SD-10 & 12)	FISH_LIVER
RF-2	FISH_MUSCLE	TFZONE2 (SD-13 & 14)	FISH_LIVER
		TFZONE3 (SD-8)	FISH_LIVER
		TFZONE4 (SD-7)	FISH_LIVER



San Diego Rig Fishing and Trawl Stations

Point Loma Rig Fishing and Trawl Stations



New Trawl Stations representing zones (i.e. TFZONE1 through TFZONE4).

POINT LOMA WASTEWATER TREATMENT PLANT
 ANNUAL FISH TISSUE - MUSCLE/LIVER
 Lipids & Total Solids

From 01-JAN-2007 To 31-DEC-2007

Tissue	Analyte	MDL	Units	RF-1	RF-2	TFZONE1	TFZONE2	TFZONE3	TFZONE4
				2007	2007	2007	2007	2007	2007
				Avg	Avg	Avg	Avg	Avg	Avg
Liver	Lipids	.005	WT%			23.6	47.1	50.2	53.4
Liver	Total Solids	.4	WT%			44.6	58.7	60.2	60.9
Muscle	Lipids	.005	WT%	0.98	0.45				
Muscle	Total Solids	.4	WT%	21.9	21.5				

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL FISH TISSUE - LIVER
Trace Metals

From: 01-JAN-2007 to: 31-DEC-2007

Source:			TFZONE1	TFZONE2	TFZONE3	TFZONE4
Date:			2007	2007	2007	2007
Analyte:	MDL	Units	Average	Average	Average	Average
=====	=====	=====	=====	=====	=====	=====
Aluminum	.58	MG/KG	17.70	14.60	17.20	19.70
Antimony	.48	MG/KG	0.74	1.58	1.46	1.72
Arsenic	.38	MG/KG	3.00	1.94	1.61	1.53
Beryllium	.003	MG/KG	ND	ND	ND	ND
Cadmium	.029	MG/KG	2.63	4.06	5.53	4.61
Chromium	.08	MG/KG	0.28	0.41	0.75	0.73
Copper	.068	MG/KG	3.18	3.72	3.45	3.22
Iron	.096	MG/KG	126	73	83	60
Lead	.3	MG/KG	0.47	ND	<0.30	ND
Manganese	.0071	MG/KG	1.00	0.96	0.96	1.01
Mercury	.03	MG/KG	0.070	0.053	0.096	0.089
Nickel	.094	MG/KG	0.26	0.44	0.54	0.52
Selenium	.06	MG/KG	1.50	0.83	0.73	0.76
Silver	.057	MG/KG	<0.06	ND	ND	ND
Thallium	.85	MG/KG	<0.85	1.20	1.70	2.22
Tin	.24	MG/KG	2.09	2.51	2.61	2.78
Zinc	.049	MG/KG	31.8	33.1	32.2	35.1
Total Solids	.4	WT%	44.6	58.7	60.2	60.9

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL FISH TISSUE - MUSCLE
Trace Metals

From: 01-JAN-2007 to: 31-DEC-2007

Source:			RF-1	RF-2
Date:			2007	2007
Analyte:	MDL	Units	Average	Average
=====	=====	=====	=====	=====
Aluminum	.58	MG/KG	16.10	13.80
Antimony	.48	MG/KG	<0.48	ND
Arsenic	.38	MG/KG	1.81	1.47
Beryllium	.003	MG/KG	ND	ND
Cadmium	.029	MG/KG	0.05	0.06
Chromium	.08	MG/KG	0.29	0.30
Copper	.068	MG/KG	0.50	0.56
Iron	.096	MG/KG	5.91	6.49
Lead	.3	MG/KG	ND	ND
Manganese	.0071	MG/KG	0.44	0.17
Mercury	.03	MG/KG	0.059	0.162
Nickel	.094	MG/KG	0.17	0.13
Selenium	.06	MG/KG	0.481	0.373
Silver	.057	MG/KG	ND	ND
Thallium	.85	MG/KG	ND	ND
Tin	.24	MG/KG	1.49	1.48
Zinc	.049	MG/KG	5.07	4.76
Total Solids	.4	WT%	21.9	21.5

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL FISH LIVER - Chlorinated Pesticides

From 01-JAN-2007 To 31-DEC-2007

Analyte	MDL	Units	TFZONE1	TFZONE2	TFZONE3	TFZONE4
			2007	2007	2007	2007
=====			Avg	Avg	Avg	Avg
=====			=====	=====	=====	=====
Hexachlorobenzene	13.3	UG/KG	E4.9	E4.3	E4.9	E4.9
BHC, Gamma isomer	167	UG/KG	ND	ND	ND	ND
Heptachlor	33.3	UG/KG	ND	ND	ND	ND
Aldrin		UG/KG	ND	ND	ND	ND
Heptachlor epoxide	100	UG/KG	ND	ND	ND	ND
o,p-DDE	13.3	UG/KG	<13.3	E4.7	<13.3	E3.0
Alpha Endosulfan	167	UG/KG	ND	ND	ND	ND
Alpha (cis) Chlordane	13.3	UG/KG	<13.3	E5.6	E5.6	E6.7
Trans Nonachlor	13.3	UG/KG	<13.3	E8.3	E8.2	E8.0
p,p-DDE	13.3	UG/KG	233.0	363.0	322.0	277.0
p,-p-DDMU	13.3	UG/KG	E6.8	16.3	<13.3	<13.3
Dieldrin	13.3	UG/KG	ND	ND	ND	ND
o,p-DDD	13.3	UG/KG	ND	ND	ND	ND
Endrin	13.3	UG/KG	ND	ND	ND	ND
o,p-DDT	13.3	UG/KG	ND	ND	ND	ND
p,p-DDD	13.3	UG/KG	<13.3	E4.6	E4.6	E4.5
p,p-DDT	13.3	UG/KG	<13.3	E6.3	E5.1	E5.8
Mirex	13.3	UG/KG	ND	ND	ND	ND

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

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL FISH MUSCLE - Chlorinated Pesticides

From 01-JAN-2007 To 31-DEC-2007

Analyte	MDL	Units	RF-1	RF-2
			2007	2007
			Avg	Avg
Hexachlorobenzene	1.33	UG/KG	<1.3	<1.3
BHC, Gamma isomer	3.33	UG/KG	ND	<3.3
Heptachlor	3.33	UG/KG	ND	ND
Aldrin	6.67	UG/KG	ND	ND
Heptachlor epoxide	6.67	UG/KG	ND	ND
o,p-DDE	1.33	UG/KG	ND	ND
Alpha Endosulfan	33	UG/KG	ND	ND
Alpha (cis) Chlordane	2	UG/KG	ND	ND
Trans Nonachlor	2	UG/KG	ND	ND
p,p-DDE	1.33	UG/KG	5.0	6.5
p,-p-DDMU	1.33	UG/KG	ND	ND
Dieldrin	1.33	UG/KG	ND	ND
o,p-DDD	1.33	UG/KG	ND	ND
Endrin	1.33	UG/KG	ND	ND
o,p-DDT	1.33	UG/KG	ND	ND
p,p-DDD	1.33	UG/KG	ND	<1.3
p,p-DDT	1.33	UG/KG	ND	ND
Mirex	1.33	UG/KG	ND	ND

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

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL FISH LIVER - Poly Chlorinated Biphenyls(PCBc)

From 01-JAN-2007 To 31-DEC-2007

Analyte	MDL	Units	TFZONE1	TFZONE2	TFZONE3	TFZONE4
			2007	2007	2007	2007
			Avg	Avg	Avg	Avg
PCB 18	33.3	UG/KG	ND	ND	ND	ND
PCB 28	13.3	UG/KG	<13.3	ND	ND	ND
PCB 49	13.3	UG/KG	E1.5	E2.0	E5.5	E2.0
PCB 37	13.3	UG/KG	ND	ND	ND	ND
PCB 70	13.3	UG/KG	E1.9	E2.5	E4.2	E2.2
PCB 101	13.3	UG/KG	<13.3	E8.1	E23.7	E7.8
PCB 119	13.3	UG/KG	<13.3	ND	<13.3	ND
PCB 87	13.3	UG/KG	<13.3	E2.3	E6.5	ND
PCB 110	13.3	UG/KG	E5.4	E6.7	E27.4	E5.2
PCB 151	13.3	UG/KG	E3.6	E3.6	<13.3	E3.3
PCB 77	13.3	UG/KG	ND	ND	ND	ND
PCB 149	13.3	UG/KG	E6.0	E4.8	<13.3	E5.1
PCB 123	13.3	UG/KG	<13.3	E1.8	E4.6	<13.3
PCB 118	13.3	UG/KG	E13.9	E14.0	E52.7	<13.3
PCB 114	13.3	UG/KG	ND	ND	ND	ND
PCB 153/168	13.3	UG/KG	33.0	33.0	82.0	32.0
PCB 105	13.3	UG/KG	E3.5	E3.9	E13.4	E3.4
PCB 138	13.3	UG/KG	20.7	22.7	64.5	E18.3
PCB 158	13.3	UG/KG	E1.4	E1.7	E5.6	E1.6
PCB 187	13.3	UG/KG	E15.6	E15.0	E23.0	<13.3
PCB 183	13.3	UG/KG	E4.4	E4.3	E6.6	E3.4
PCB 126	13.3	UG/KG	ND	ND	ND	ND
PCB 128	13.3	UG/KG	<13.3	E4.2	<13.3	<13.3
PCB 167	13.3	UG/KG	ND	ND	<13.3	ND
PCB 177	13.3	UG/KG	E3.0	E2.8	E4.7	E2.7
PCB 156	13.3	UG/KG	ND	ND	<13.3	<13.3
PCB 157	13.3	UG/KG	ND	ND	<13.3	ND
PCB 180	13.3	UG/KG	E15.0	E14.3	E21.7	<13.3
PCB 170	13.3	UG/KG	E5.3	E5.7	<13.3	E5.0
PCB 169	13.3	UG/KG	ND	ND	ND	ND
PCB 189	13.3	UG/KG	ND	ND	ND	ND
PCB 194	13.3	UG/KG	E4.2	E3.5	E4.4	E2.9
PCB 206	13.3	UG/KG	E2.1	E2.0	E2.5	E1.6

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL FISH MUSCLE - Poly Chlorinated Biphenyls (PCBc)

From 01-JAN-2007 To 31-DEC-2007

Analyte	MDL	Units	RF-1	RF-2
			2007	2007
			Avg	Avg
=====			=====	=====
PCB 18	1.33	UG/KG	ND	ND
PCB 28	1.33	UG/KG	ND	ND
PCB 49	1.33	UG/KG	<1.3	ND
PCB 37	1.33	UG/KG	ND	ND
PCB 70	1.33	UG/KG	ND	ND
PCB 101	1.33	UG/KG	E0.3	<1.3
PCB 119	1.33	UG/KG	ND	ND
PCB 87	1.33	UG/KG	ND	ND
PCB 110	1.33	UG/KG	<1.3	<1.3
PCB 151	1.33	UG/KG	ND	<1.3
PCB 77	1.33	UG/KG	ND	ND
PCB 149	1.33	UG/KG	<1.3	E0.1
PCB 123	1.33	UG/KG	ND	ND
PCB 118	1.33	UG/KG	<1.3	<1.3
PCB 114	1.33	UG/KG	ND	ND
PCB 153/168		UG/KG	E0.6	E0.4
PCB 105	1.33	UG/KG	<1.3	<1.3
PCB 138	1.33	UG/KG	E0.4	<1.3
PCB 158	1.33	UG/KG	ND	ND
PCB 187	1.33	UG/KG	E0.2	E0.2
PCB 183	1.33	UG/KG	<1.3	<1.3
PCB 126	1.33	UG/KG	ND	ND
PCB 128	1.33	UG/KG	ND	ND
PCB 167	1.33	UG/KG	ND	ND
PCB 177	1.33	UG/KG	ND	ND
PCB 156	1.33	UG/KG	ND	ND
PCB 157	1.33	UG/KG	ND	ND
PCB 180	1.33	UG/KG	E0.2	<1.3
PCB 170	1.33	UG/KG	<1.3	<1.3
PCB 169	1.33	UG/KG	ND	ND
PCB 189	1.33	UG/KG	ND	ND
PCB 194	1.33	UG/KG	ND	ND
PCB 206	1.33	UG/KG	ND	ND

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

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