

Biological Assessment of

Naples WWTP

Collier County

NPDES #FL0026271

Sampled March 25, 2004

December 2004

Biology Section

Bureau of Laboratories

Division of Resource Assessment and Management

Quality Manual No. 870346G

NELAC Certification No. E31780

Florida Department of Environmental Protection

Fifth Year Inspection Summary

Discharger:	Naples WWTP
County:	Collier
NPDES Number:	FL0026271
Permit Expiration:	January 23, 2005

Toxics Sampling Inspection **(XSI)**

Date Sampled: March 25, 2004

Results: Atrazine was detected in the effluent (0.28 μg/L). Five metals were detected in the effluent at levels that complied with Class III Marine Water Quality Criteria; iron and zinc were detected in the effluent at levels greater than the practical quantitation limit, while aluminum, copper, and silver were detected in the effluent at levels greater than the minimum detection limit but below the practical quantitation limit.

Compliance Biomonitoring Inspection **(CBI)**

Date Sampled: March 25, 2004

Results: The effluent sample was not acutely toxic to the fish, *Menidia beryllina,* or to the shrimp, *Americamysis bahia,* during the 96-hour acute screening bioassays.

Water Quality Inspection **(WQI)**

Date Sampled: March 25, 2004

Results: Fecal and total coliforms were detected in the effluent and the receiving water at levels that did not exceed Class III Water Quality Criteria or the facility's permit limits. Effluent total phosphorus (0.48 mg/L) and nitrate+nitrite (0.74 mg/L) contributed to elevated levels of these nutrients at Stations 1-3. Total phosphorus at Stations 1-4 ranked in the 60-70th percentile when compared with levels typical of Florida estuaries, and stations 5-6 were among the 10-20th percentiles. Nitrate+nitrite levels were above the 95th percentile at Stations 1-3 compared to the 50-70th percentile at the upstream Stations 4-6. Algal growth potential was below the 10 mg dry wt/L "problem" threshold in the effluent sample (7.0 mg dry wt/L). AGP values at downstream Stations 1-3 exceeded the problem threshold (14.5 - 17.2 mg dry wt/L) while upstream stations 4-6, were all below the threshold (5.34 – 6.93 mg dry wt/L). Elevated AGP values downstream of the outfall suggest nutrient enrichment related to the discharge.

Impact Bioassessment Inspection **(IBI)**

Date Sampled: March 25, 2004

Results: Stations were established at increasing distances above and below the outfall. The percent organic content in sediments was greatest at Station 1, the downstream station closest to the outfall; otherwise, neither sediment organic content nor particle size differed among stations.

Benzo(b)fluoranthene was detected in the sediments at Station 3 at a level above the minimum detection limit and below the practical quantitation limit. Aluminum, cadmium, chromium, copper, iron, lead, nickel, silver, and zinc were detected in sediment samples at all stations. In the sediments, several metals were elevated at Station 1, the downstream station closest to the outfall, compared to other stations. No metals exceeded Florida coastal sediment quality guideline Threshold Effect Levels (MacDonald 1994).

Quantitative measures of benthic macroinvertebrate assemblages from ponar samples showed no sign of degradation related to the facility's effluent.

Biological assessments are prepared by FDEP staff to provide information for review of NPDES permit renewal applications. Biological assessments, in conjunction with other information concerning the subject facility and its receiving-water body, are used to determine appropriate permit conditions

Introduction

The Naples WWTP Plant is located in Collier County, Florida (Appendix 1). This facility is a Bardenpho process domestic treatment facility consisting of three outfalls, one direct (D-002) and two 5 million gallon per day (MGD) reuse/ effluent storage tanks (D-003 and D-004). The permitted capacity is 10.0 MGD as a maximum monthly average daily flow. Treatment activities at this plant include two preliminary bar screens, grit removal, four 1st anoxic basins, four aerobic basins, four 2nd anoxic and aeration basins, an alum feed system, six secondary clarifiers, two flocculators, three tertiary filters, two chlorine contact basins, reuse tanks, a sulfur dioxide dechlorination system, a cascade aeration unit and associated equipment (see Facility Summary in Appendix 2). For residuals handling, the facility also includes two residuals waste activated sludge holding tanks, three belt filter presses, truck loading belt conveyers, a sludge thermofeeder, a sludge/lime mixer thermoblender, a lime storage and feed system, lime transfer and screw conveyers, a pasteurization vessel and associated equipment. The effluent is discharged into the Gordon River (Class III marine waters), a tributary of Naples Bay, and approximately 3.5 miles from the Gulf of Mexico. Discharge location D-002 extends approximately 2-3 meters into the river and discharges at an approximate depth of 2 m. During the previous year, the average flow to the river was 4.50 MGD and 8.73 to reuse (Mark Johnson, South District, pers. comm.). The actual mean discharge for the month preceding this survey was 1.59 MGD. At the time of sampling, the flow to the river was 1.23 MGD and the flow to reuse was 5.53 MGD.

Class III Marine Surface Water Quality Criteria and facility permit limits are listed in Table 1 and Appendix 2. According to the facility's discharge monitoring reports, the plant has exceeded the fecal coliform daily maximum during the previous year (Appendix 2).

Methods

The purpose of this investigation was to determine the discharger's effects on the biota of the receiving waters. Rhodamine dye was injected into the effluent during incoming and outgoing tides in an attempt to establish an effluent gradient above and below the outfall. Dye measurements, however, were not consistent enough to establish a pattern of dilution. Instead, chemical and biological comparisons were made at stations at increasing distances above and below the outfall. Stations were approximately 2-3 m apart. Habitat assessment scores were lowest at Stations 1 and 4 where the shoreline was more highly altered (see Habitat Assessment Data Sheets in Appendix 7). Otherwise, stations were similar in terms of community types observed, tidal fluctuation, freshwater discharges, wave action, and sediment type. Details of measurements and data interpretation are given in Appendix 3.

All field and laboratory biological methods followed Biology Section Standard Operating Procedures (SOPs, see http://www.floridadep.org/labs/qa/2002sops.htm for details) and met DEP quality assurance/quality control standards (see http://www.floridadep.org/labs/qa/index.htm).

The following were involved in this investigation: Ford Walton (FDEP South District), and Kenneth Espy, Julie Espy, and Sally Levings (FDEP Central Laboratory in Tallahassee). The report was reviewed by District representatives and the Point Source Studies Review Committee (Shannan Gunnoe, Wayne Magley, Mike Tanski, and Keith Kleinman).

Results and Discussion

- Specific chemical results from the effluent sample are reported in Table 1 and a complete list of chemical analytes can be reviewed in Appendix 4. The metals iron and zinc were detected in the effluent at levels greater than the practical quantitation limit; aluminum, copper, and silver were detected in the effluent at levels greater than the minimum detection limit but below the practical quantitation limit. All metals complied with Class III Marine Water Quality Criteria (FAC 62-302) and facility permit limits. The herbicide, atrazine, was detected in the effluent (0.28 mg/L). This level of atrazine has not been reported in the EPA ECOTOX database to produce toxic effects in marine organisms.
- Effluent conductivity (µmhos/cm), pH (Standard Units) and dissolved oxygen (mg/L) did not exceed Class III Marine Water Quality Criteria (62-302 F.A.C.) or facility permit limits.
- The effluent sample was not acutely toxic to the fish, *Menidia beryllina*, or to the shrimp, *Americamysis bahia*, during the 96-hour acute screening bioassays (See Table 1 for percent mortality and Appendix 6 for bioassay bench sheets).
- Rhodamine dye was fed into the effluent pipe for an approximate 6-hr continuous injection (see Appendix 3 for a complete methods description). The maximum reading at the end of pipe was ~13 ppb. The dye plume was followed for several hours during an incoming and outgoing tide on March 24, 2004.

Table 1. Effluent limits, Class III Criteria for predominately marine waters and chemical, microbiological and toxicological data.

Naples WWTP	Class III Criteria	Effluent Limits for D-002	Effluent Grab	Effluent Composite	Station 1 closest downstream	Station 2 mid downstream	Station 3 farthest downstream	Station 4 closest upstream	Station 5 mid upstream	Station 6 farthest upstream
Organic Constituents (µg/L)										
Atrazine	-	-	0.28	-	-	-	-	-	-	-
Metals (µg/L unless otherwise noted, Class III Criteria are less than or equal to the value given)										
Aluminum	≤ 1500	report	23 I	-	-	-	-	-	-	-
Arsenic	≤ 50	report	9 U	-	-	-	-	-	-	-
Cadmium	≤ 9.3	-	0.025 U	-	-	-	-	-	-	-
Calcium (mg/L)	-	-	53.1	-	-	-	-	-	-	-
Chromium	-	report	2 U	-	-	-	-	-	-	-
Copper	≤ 3.7	report	1.9 I	-	-	-	-	-	-	-
Iron	≤ 300	report	111	-	-	-	-	-	-	-
Lead	≤ 8.5	report	0.2 U	-	-	-	-	-	-	-
Magnesium (mg/L)	-	-	32.5	-	-	-	-	-	-	-
Nickel	≤ 8.3	-	4 U	-	-	-	-	-	-	-
Selenium	≤ 71	-	5.6 U	-	-	-	-	-	-	-
Silver	≤ 2.3	≤ 2.3 s	0.049 I	-	-	-	-	-	-	-
Zinc	≤ 86	report	48	-	-	-	-	-	-	-
Nutrients (mg/L)										
Ortho-phosphate	-	-	0.45	-	0.15 Q	0.13 Q	0.11	0.16	0.022	0.024
Total Phosphorus	-	≤ 1.6 p	0.48	0.5	0.17 A	0.17	0.15	0.14	0.061	0.048 I
Total Ammonia	-	-	0.043	-	0.024	0.027	0.022	0.052	0.049	0.045
Un-ionized Ammonia	-	-	-	-	< 0.02 c	< 0.02 c	< 0.02 c	< 0.02 c	< 0.02 c	< 0.02 c
Nitrate and Nitrite	-	-	0.74	0.75	0.35	0.41	0.33	0.061	0.023	0.022
Total Kjeldahl Nitrogen	-	-	1.2	1.2	0.87 A	0.88	0.82	0.82	0.7	0.72
Organic Nitrogen	-	-	1.157 c	-	0.846 c	0.853 c	0.798 c	0.768 c	0.651 c	0.675 c
Total Nitrogen	-	≤ 6 p	1.94 c	1.95 c	1.22 c	1.29 c	1.15 c	0.881 c	0.723 c	0.742 c
General Physical and Chemical Parameters										
Dissolved Oxygen (mg/L) surface	≥ 4.0 s	≥ 4.0 s	-	-	-	7.6	7.5	6.6	6.4	6.4
Dissolved Oxygen (mg/L) bottom	≥ 4.0 s	≥ 4.0 s	-	-	7.7	7.0	6.8	5.2	5.1	5.3
pH (SU) surface	6.5-8.5 s	6.5-8.5 s	-	-	-	7.7	7.7	7.5	7.4	7.4
pH (SU) bottom	6.5-8.5 s	6.5-8.5 s	-	-	7.8	7.7	7.6	7.4	7.5	7.5
Salinity (ppt) surface	-	report	-	-	-	15.3	17.6	11.9	14.4	15.2
Salinity (ppt) bottom	-	report	-	-	18.8	25.3	27.7	26.4	28.5	28.9
Conductivity (µmhos/cm) surface	-	-	-	-	-	-	-	19974	23667	24935
Conductivity (µmhos/cm) bottom	-	-	-	-	-	-	-	41350	44270	44451
Temperature (°C) surface	-	-	-	-	-	23.8	23.6	21.7	21.2	21.3
Temperature (°C) bottom	-	-	-	-	23.6	23.0	22.8	22.1	21.9	21.9
Total Suspended Solids (mg/L)	-	≤ 5.0 s	4 U	-	6 I	6 I	6 I	4 U	4 U	4 U
Turbidity (NTU)	≤ 31	-	-	-	3.1 Q	3.1	3.3 A	1.9	1.7	2.2
Residual Chlorine (mg/L)	≤ 0.01	≤ 0.01	1.5	-	-	-	-	-	-	-
CBOD, 5 day (mg/L)	-	≤ 10 p	-	2.0 U	-	-	-	-	-	-
Chlorophyll *a* (µg/L)	-	-	-	-	0.85 UQ	0.85 UQ	0.85 UQ	0.85 U	0.85 U	0.85 U
Phaeophytin (µg/L)	-	-	-	-	0.85 UQ	0.85 UQ	0.85 UQ	0.85 U	0.85 U	0.85 U
Oils and Greases (mg/L)	≤ 5	report	0.71 I	-	-	-	-	-	-	-
Flow (MMAF)	-	≤ 10	1.59	1.59	-	-	-	-	-	-
Toxicity (96-hour acute, screening bioassay, percent mortality in 100% effluent)										
Bioassay - shrimp Sample # 1	-	< 50%	10%	-	-	-	-	-	-	-
Bioassay - shrimp Sample # 2	-	< 50%	0%	-	-	-	-	-	-	-
Bioassay - shrimp Sample # 3	-	< 50%	5%	-	-	-	-	-	-	-
Bioassay - shrimp Sample # 4	-	< 50%	5%	-	-	-	-	-	-	-
Bioassay - Fish Sample # 1	-	< 50%	0%	-	-	-	-	-	-	-
Bioassay - Fish Sample # 2	-	< 50%	0%	-	-	-	-	-	-	-
Bioassay - Fish Sample # 3	-	< 50%	0%	-	-	-	-	-	-	-
Bioassay - Fish Sample # 4	-	< 50%	15%	-	-	-	-	-	-	-
Microbiology (Number of counts/100ml)										
Fecal Coliforms	≤ 800 s	< 25 s	10 K	-	150 B	20 B	-	40 QB	50 QB	130 QB
Total Coliforms	≤ 2400 s	-	10 B	-	20 B	230	-	110 QB	200 Q	260 Q

c - Calculated value
A - Value reported is the mean of two or more determinations
B - Results based on colony counts outside the acceptable range
I - Value reported is < the minimum quantitation limit, and ≥ the minimum detection limit
K - Actual value is known to be less than value given
Q - Sample held beyond normal holding time
U - Material analyzed for but not detected; value reported is the minimum detection limit
s - Single sample
p - 24-hour flow proportioned composite
<50% - <50% mortality in 100% effluent

Table 2. Measured and predicted algal growth potential (AGP) of Dunaliella tertiolecta for total soluble inorganic nitrogen (TSIN) limitation

Location	AGP (measured) (mg dry wt/L)	Predicted AGP (TSIN) ± 20%	Inorganic N:P ratio
Effluent	7.0	29.8 ± 6.0	1.7
Station 1	16.2	- -	2.5
Station 2	14.5	- -	3.4
Station 3	17.2 A	- -	3.2
Station 4	6.93	- -	0.7
Station 5	5.34	- -	3.3
Station 6	5.79	- -	2.8

A - Value reported is the mean of two or more determinations

The readings never stabilized to a point where stations could be established along a dilution gradient. Instead, stations were located at increasing distances above and below the outfall at the same depth (see Appendices 1 and 3 for additional details).

- The Naples WWTP outfall is located in the Class III marine waters of the Gordon River, a tributary of Naples Bay. Habitat assessment scores were lowest nearest the outfall (Stations 1 and 4) where the shoreline was more highly altered (see Habitat Assessment Data Sheets in Appendix 7). Otherwise, stations were similar in terms of community types observed, tidal fluctuation, freshwater discharges, wave action, and sediment type.
- Dissolved oxygen (DO as mg/L) and pH (Standard Units) at the Test and Control Sites complied with Class III Marine Water Quality Criteria (Table 1, 62-302.530 F.A.C.) and were within normal ranges.
- Fecal and total coliforms were not detected in the effluent and receiving waters at levels that exceeded Class III Water Quality Criteria or facility permit limits (See Table 1).
- The effluent total nitrogen concentration was 1.94 mg/L (Table 1). Effluent total phosphorus (0.48 mg/L) and nitrate+nitrite (0.74 mg/L) contributed to elevated levels of these nutrients at Stations 1-3. Total phosphorus at Stations 1-4 ranked in the 60-70th percentile when compared with levels typical of Florida estuaries, and stations 5-6 were among the10-20th percentiles (Appendix 5). Nitrate+nitrite levels were above the 95th percentile at Stations 1-3 compared to the 50-70th percentile at the upstream Stations 4-6.
- Algal growth potential (AGP) is a measure of nutrients available for algal growth (Miller *et al*. 1978). Raschke and Shultz (pers. comm.) found that AGP above 10.0 mg dry wt/L represent a "problem" threshold for marine receiving waters, implying nutrient enrichment. The AGP value in the effluent was 7.0 mg dry weight/L (Table 2). AGP values at downstream Stations 1-3 exceeded the problem threshold (14.5 - 17.2 mg dry wt/L) while upstream stations 4-6, were all below the threshold (5.34 – 6.93 mg dry wt/L). Elevated AGP values downstream of the outfall indicate nutrient enrichment related to the discharge.
- Chlorophyll *a* was not measured in the effluent and was undetected in all receiving water samples; however, it should be noted that samples were held beyond normal holding times (Table 1).
- Sediments were collected at all stations for determination of grain size and percent organic content. Sediments were sand/silt/clay mixtures, with a greater percentage of

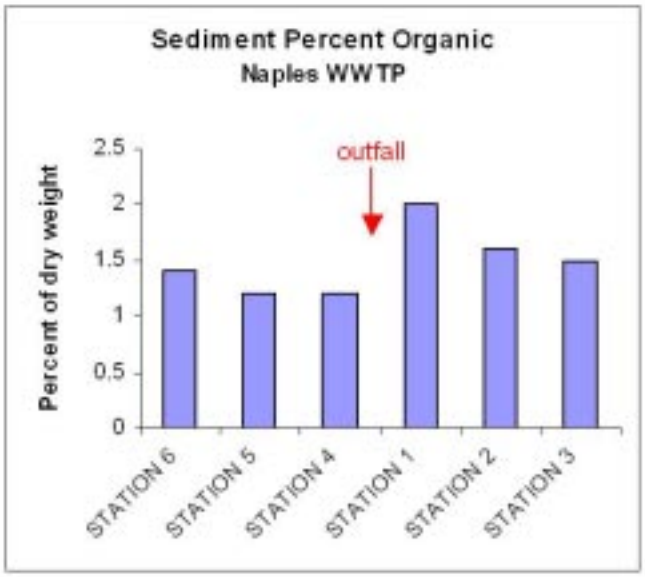


Figure 1. Sediment Percent Organic for the six sampling stations at Naples WWTP

Table 3. Sediment charcterisitcs, presence of organic constituents and metals content

Naples WWTP	Sediment Quality Assessment Guidelines TEL	PEL	Station 1 closest downstream	Station 2 mid downstream	Station 3 farthest downstream	Station 4 closest upstream	Station 5 mid upstream	Station 6 farthest upstream
Particle size distribution (percent volume <2mm)								
<0.063 mm	-	-	13.7	13.8	12.2	9.41 A	12.8 A	11.6
0.063-0.125 mm	-	-	6.89	7.62	9.94	6.94 A	9 A	7.25
0.125-0.25 mm	-	-	41.5	57.4	61.2	65.6 A	61.8 A	59.6
0.25-0.5 mm	-	-	25	19.1	14.5	16.8 A	14.7 A	19.4
0.5-2.0 mm	-	-	12.9	2.05	2.19	1.28 A	1.58 A	2.15
>2.0 mm (percent dry weight)	-	-	14	1 K	1 K	1 AK	1 AK	1 K
Organic content								
Organic content as percent of dry weight	-	-	2.0	1.6	1.5	1.2 A	1.2 A	1.4
Organic constituents (µg/kg)								
Benzo(b)fluoranthene	-	-	-	-	93 I	-	-	-
Metals (mg/kg)								
Aluminum	-	-	2800 A	2300	2500	2100	2200	2300
Cadmium	0.676	4.21	0.48 AJ	0.36 J	0.41 J	0.17 IJ	0.2 IJ	0.2 IJ
Chromium	52.3	160	20.3 A	18.4	19.7	11.8	21	26.7
Copper	18.7	108	7.7 A	7.4	8.5	5.2	5.2	5.3
Iron	-	-	4690 A	2920	3300	2060	2320	2590
Lead	30.2	112	5.5 AJ	1.4 I	3.6 I	1.0 U	1 U	0.96 U
Nickel	15.9	42.8	7.08 A	6.31	6.9	4.1	7.95	10.6
Silver	0.733	1.77	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ	0.14 UJ
Zinc	124	271	13.0 A	12.3	13.8	9.2	9.1	9.3

Sediment Quality Assessment Guidelines (MacDonald et al. 1984): TEL = Threshold Effects Level; PEL = Probable Effects Level

A - Value reported is the mean of two or more determinations

I - Value reported is < the practical quantitation limit, and ≥ the minimum detection limit

J - Estimated value

K - Actual value is known to be less than value given

U - Material analyzed for but not detected; value reported is the minimum detection limit

organic material and particles > 2.0 mm at Station 1, the nearest downstream site, compared to other stations (Table 3, Figures 1 and 2).

- Organic constituents and metals were measured in sediment samples. Metals were extracted using total recoverable metals techniques. Benzo(b)fluoranthene was detected in the sediments at Station 3 at a level that was above the minimum detection level and less than the practical quantitation limit. Threshold Effect Level (TEL) values are the sediment content of a contaminant that has been associated with toxic effects in 15% of toxicity test data used to generate the Florida Sediment Quality Guidelines (MacDonald 1994, Table 4. Sediment metals (aluminum, cadmium, copper, iron, lead and zinc) were elevated at Stations 1-3 compared to Stations 4-6, but did not exceed TELs (MacDonald 1994, Table 4).

- Quantitative measures of benthic macroinvertebrate assemblages from ponar samples showed a reduction in the number of individuals at Station 1, but increased steadily at Stations 2-6 (Table 4, Appendix 8a, 8b). The macroinvertebrate assemblage consisted primarily of polychaetes and amphipods at all stations; combined they made up approximately 70-95% of the total community. Shannon-Weaver diversity and number of taxa varied among stations, but showed no pattern with exposure to effluent. For complex communities with hundreds of species, diversity does not become an unbiased estimator of diversity until +300 individuals have been tallied (e.g. Lande 1996). This information should be taken into account when evaluating the results for Station 1 and 2 (n=165, n=223).

Summary

The metals iron and zinc were detected in the effluent at levels greater than the practical quantitation limit; aluminum, copper, and silver were detected in the effluent at levels greater than the minimum detection limit but below the practical quantitation limit. All metals complied with Class III Marine Water Quality Criteria (FAC 62-302) and facility permit limits. Atrazine was detected in the effluent (0.28 mg/L). This level of atrazine has not been reported to produce toxic effects to marine organisms. The effluent sample was not acutely toxic to the fish, *Menidia beryllina*, or to the shrimp, *Americamysis bahia*, during the 96-hour acute screening toxicity tests. Fecal and total coliform bacteria were detected in the effluent and receiving waters at levels that did not exceed Class III Water Quality Criteria or facility permit limits.

Effluent total phosphorus and nitrate+nitrite contributed to elevated levels of these nutrients at Stations 1-3, the nearest downstream stations. The AGP values for the receiving water samples downstream of the outfall were above the "problem" threshold, further indicating nutrient enrichment due to the effluent. Chlorophyll-*a* was not detected in the receiving water at any station.

Sediments were sand/silt/clay mixtures, with a greater percentage of both large and small particle sizes near the outfall. The percent organic content was greatest at Station 1, the nearest downstream station from the outfall. Benzo(b)-fluoranthene was detected in the sediments at Station 3 at a level that was above the minimum detection level and less than the practical quantitation limit. Sediment metals (aluminum, cadmium, copper, iron, lead and zinc) were higher at Stations downstream of the outfall. No metal exceeded TEL values.

The number of individual benthic macroinvertebrates increased steadily from downstream stations to stations farthest upstream, suggesting some near-field effect associated with the outfall. Shannon-Weaver diversity showed no association with exposure to effluent.

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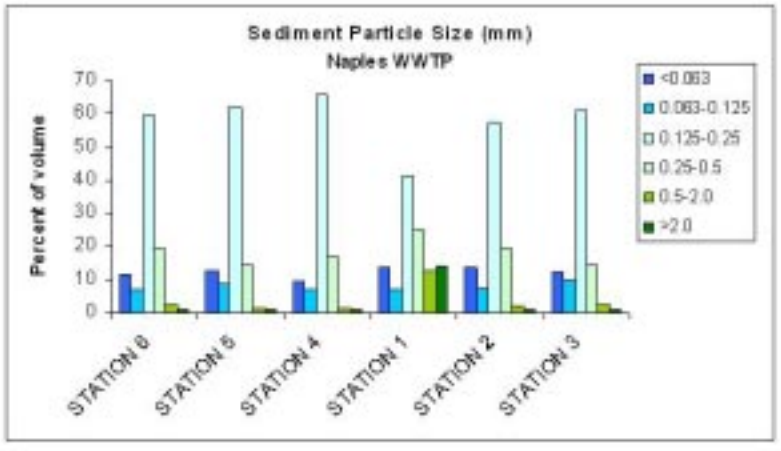


Figure 2. Sediment Particle Size for the six sampling stations at Naples WWTP

Table 4. Macroinvertebrate Ponar Samples - Quantitative

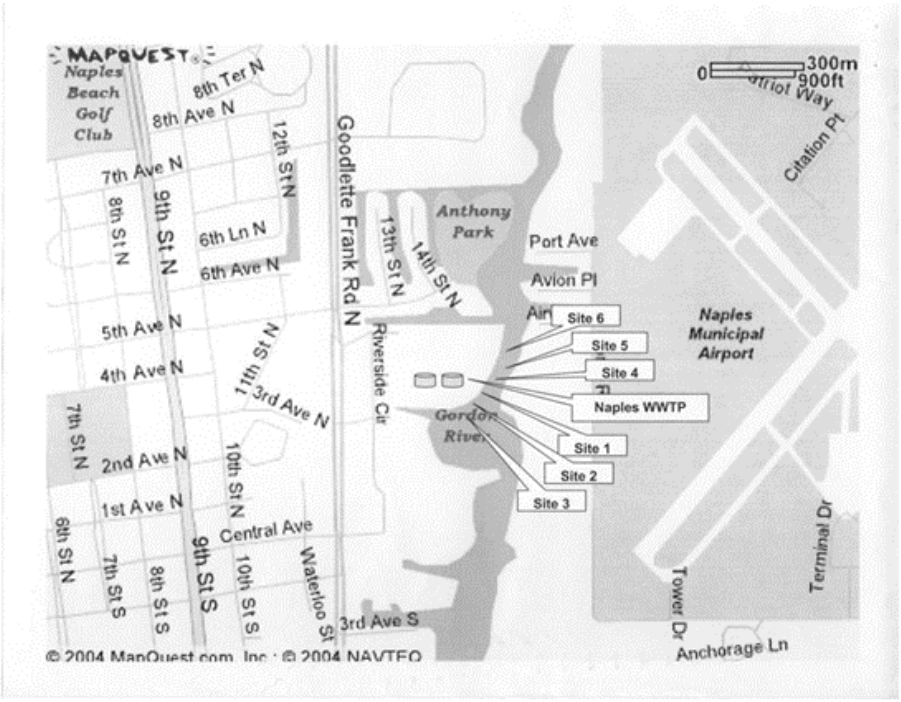
Naples WWTP	Station 1 closest downstream	Station 2 mid downstream	Station 3 farthest downstream	Station 4 closest upstream	Station 5 mid upstream	Station 6 farthest upstream
Summary Statisics						
Shannon-Weaver Diversity	3.00	3.11	3.38	2.97	2.74	2.26
Number of Taxa	20	21	27	22	19	19
Percent Dominant Taxon	28.5	35.4	33.4	28.0	29.0	39.0
Dominant Taxon (name)	*Streblospio* sp. & *Grandidierella bonnieroides*	*Streblospio* sp.	*Streblospio* sp.	*Grandidierella bonnieroides*	*Grandidierella bonnieroides*	Nereididae
Dominant Taxon (group)	Polychaeta & Amphipoda	Polychaeta	Polychaeta	Amphipoda	Amphipoda	Polychaeta
Number of samples/site	3	3	3	3	3	3
Total Number of Individuals	165	223	350	364	449	748
Community Composition: Percent of total						
Amphipoda	37.6	21.5	24.6	43.4	59.5	51.1
Cumacea	7.9	12.1	6.0	6.0	5.8	3.3
Diptera	1.8	3.6	3.4	4.4	1.6	0.4
Gastropoda	1.2	1.3	0.3	0.8	0.7	0.8
Isopoda	0.6	4.0	4.3	1.1	0.5	0.1
Mysidacea	6.1	5.8	5.7	2.7	0.9	0.1
Pelecypoda	0.6	0.0	2.0	0.3	0.0	0.0
Polychaeta	41.8	50.7	51.4	40.1	29.6	43.6
Other	2.4	0.9	2.3	1.1	1.6	0.5
Functional Feeding Groups: Percent of total						
Browser / Grazer	18.8	12.6	12.0	15.6	15.5	9.7
Burrowing Deposit Feeders	1.8	8.1	4.9	2.2	1.1	0.1
Predators	8.5	4.0	8.4	8.4	11.8	19.9
Scavengers	18.8	12.6	12.0	15.6	15.5	9.7
Surface Deposit Feeders	22.1	24.8	24.6	21.8	15.5	22.8
Suspension Feeders	29.1	36.6	36.1	34.3	39.7	37.3
Other	0.9	1.5	2.0	2.1	1.0	0.5

Appendices

- Appendix 1. Map of facility
- Appendix 2. Facility summary
- Appendix 3. Measurements and data interpretation
- Appendix 4. Chemical analyses of effluent and receiving water.
- Appendix 5. Typical values for selected parameters in Florida estuaries
- Appendix 6. Additional physical, chemical, toxicological and microbiological results
- Appendix 7. Habitat Assessment field sheets
- Appendix 8a. Ponar samples: Taxa list and macroinvertebrate density (average number of individuals per m^2)
- Appendix 8b. Ponar samples: Taxa list and total number of macroinvertebrates counted

Appendix 1


Naples WWTP
0
0.5 Miles
NAPLES WWTP I, CITY OF


MAPQUEST
Naples Beach Golf Club
8th Ter N
8th Ave N
7th Ave N
8th St N
9th St N
6th Ln N
6th Ave N
12th St N
Goodlette Frank Rd N
13th St N
14th St N
Anthony Park
Port Ave
Avion Pl
5th Ave N
4th Ave N
11th St N
3rd Ave N
Riverside Cir
Gordon River
Site 6
Site 5
Site 4
Naples WWTP
Site 1
Site 2
Site 3
Naples Municipal Airport
0
300m
900ft
Citation Pl
7th St N
2nd Ave N
1st Ave N
10th St N
Central Ave
6th St N
7th St S
8th St S
9th St S
10th St S
Waterloo St
3rd Ave S
Tower Dr
Terminal Dr
Anchorage Ln
© 2004 MapQuest.com, Inc. · © 2004 NAVTEQ

Appendix 2
Facility Summary

Facility Name: City of Naples WWTP, Major POTW

Location: 1400 3rd Ave., Naples, FL 34102, Lat. 26* 08' 43" N, Long. 81* 47' 22" W

County: Collier

Federal permit & expiration date: FL 0026271 (Major), 1/23/2005, PA file # FL0026271-001-DWIP

State GMS & expiration date:

Facility type: City domestic wastewater

Function of facility: Domestic wastewater treatment

Description of treatment process: 2 primary bar screens, grit removal, 4 1st anoxic basins, 4 aeration basins, 4 2nd anoxic basins, 4 reaeration basins, an alum feed system, 6 secondary clarifiers, 2 flocculators, 3 tertiary filters, 2 chlorine contact basins, 2 reuse tanks, an SO_2 dechlorination system, and a cascade aeration unit.

Receiving waters: the Gordon River, a tributary of Naples Bay, Class III marine

Discharge periodicity: have had reuse in past, may be variable. Best time to sample: don't know yet

Mixing zone: none found in permit

Effluent Limits:	Parameter	Limit
	Flow	10.0 mgd MMADF (8.5 mgd MMADF until approved)
	CBOD	36,800 lbs. (annual) 16,200 (monthly)
	TSS	36,800 lbs. (annual) 12.900 (monthly)
	Total N	22,100 lbs. (annual) 9,700 (monthly)
	Total P	5,900 lbs. (annual) 2,600 (monthly)
	Dissolved O2	5.0 ppt average, Minimum of 4.0 ppt
	Residual Cl2	0.01 max.

Description of outfall: 3 outfalls, one direct and 2 for reuse water.

D-002: Existing 10 mgd MMADF (2.42 mgd AADF) to Gordon River (Class III marine) upstream of Naples Bay, 50 feet long, discharges at 5 ft. depth, Lat. 26*08'43"N, long. 81*47'22"W.

D-003: Reclaimed water via stormwater ponds on Bears Paw golf course to ditch upstream of Golden Gate Canal (Class III) fresh), upstream of Gordon River. Dry season only, if there is excess storm water. Lat 26*10'04"N, Long. 81*46'33"W

D-004: Reclaimed water via stormwater ponds on Royal Poinciana golf course to unnamed ditch (Class III fresh) upstream of the Gordon River. Dry season only, if there is excess storm water. Two locations: Lat. 26*11'52"N, Long. 81*47'04"W, and Lat. 26*11'04"N, Long. 81*46'55"W

Permit violations in last year: According to DMR data, the permit limit of 25 counts per 100/ml for fecal colifoms was exceeded (40 counts/ 100ml) during the previous year.

Describe previous assessments: Two old-style biological assessments have been done.

1993 – Sampled 2/8/93, report published 9/93: CBI: no toxicity, XSI: no toxics, IBI: similar benthic macro invertebrates at all sites, WQI: High ortho-phosphate and NO_2NO_3 , very high AGP. STORET station numbers: 28-03-0048 (upstream), 28-03-0030 (slightly upstream), 28-03-0031 (slightly downstream), 28-03-1502 (effluent).

1998 – Sampled 6/23/98, report published 3/99: XSI: complied w/ Class III standards, CBI: 100% pre-effluent sample (chlorine 1.15 mg/L) was toxic to fish and water fleas. Dechlorinated effluent was not. IBI: No adverse effects, although one test site had reduced diversity (41%), and algal density was high. WQI: Elevated nutrients in effluent, but no detectable effect on test sites. High TKN in area, AGP < 10 mg dry wt/l. Same sample sites as 1993

Appendix 3

Explanation of Measurements

(1) Quality Assurance and Quality Control

FDEP's quality assurance requirements for analytical laboratories and field activities are codified in Chapter 62-160, F.A.C., Quality Assurance (QA Rule) and in internal Standard Operating Procedures (FDEP SOPs). Methods for all analyses are on file at the FDEP Central Laboratory in Tallahassee and may be viewed on the web at http://www.floridadep.org/labs/sop/index.htm and/or http://www.floridadep.org/labs/qa/index.htm .

(2) Chemical Analyses of the Effluent

The effluent was analyzed for nutrients, metals, organic constituents (base, neutral, and acid extractables) and pesticides following FDEP SOPs. A list of the analytes tested for, results, data qualifiers, the minimum detection limits and the practical quantitation limits are given in Appendix 4. The results from these analyses were compared with Water Quality Criteria (62-302 F.A.C.) and facility permit limits (Table 1, Appendix 2). Exceedances of Water Quality Criteria may be violations of specific provisions of Chapter 62-302 (F.A.C.) and/ or facility permit limits.

(3) Toxicity Bioassays

Acute screening toxicity bioassays were performed on the effluent sample using the water flea, *Ceriodaphnia dubia,* and the fish, *Cyprinella leedsi* following FDEP SOPs TA07_01 and TA07_02. Failure of toxicity testing may constitute a violation of 62-302.520(21), 62-302.530(62) and/or facility permit limits.

(4) Bacteriological Testing

The effluent and water from sampling stations were analyzed for the presence and concentration of total and fecal coliform bacteria following FDEP SOPs MB1_0 and MB1_1. High levels of fecal or total coliform bacteria may constitute violation of 62-302.530(6), 62-302.530(7) and/or facility permit limits.

(5) Establishment of Sampling Stations

Ideally, chemical and biological comparisons are made among six sampling stations located on an effluent dilution gradient leading from close to the outfall where dilution was minimal (two stations) to an area of intermediate dilution (two stations) and an area unexposed to effluent (two control stations). However, for this study, the dye was diluted to near background levels within a few meters of the outfall and no gradient was established.

Rhodamine dye was continuously fed into the effluent stream and tracked in the receiving water using a fluorometer. Rhodamine is a conservative tracer and may be used to track dilution to <1% of effluent. Background readings of fluorescence were taken to correct for interference in the water column. Dye concentration was adjusted to give approximately 100-135 ppb at the end of the discharge pipe. The dye study was conducted on 24 March 2004. A boat was used to continuously pump receiving water through the fluorometer, recording the dye concentration at the end of the outfall and tracking the path of the effluent plume. Weather conditions were good during collections with light winds and sunny skies.

Replicate stations were established a few meters from one another moving out from the outfall both up and downstream. Two stations (1 and 4) were located close to the outfall after the effluent entered the Gordon River. Two stations were located at intermediate distances above and below the outfall (1 and 5) and stations 3 and 6 were located furthest from the outfall up and downstream of the outfall, respectively.

(6) Algal Growth Potential (AGP)

The effluent and water samples from the six stations were autoclaved, filtered (0.45μm), inoculated with the unicellular green alga, *Pseudokirchneriella subcapitata* (formerly *Selenastrum capricornutum,* USEPA 2002*)* or *Dunaliella tertiolecta,* depending upon the salinity of the water sample. Samples were incubated for 14 days (FDEP SOP TA08_05). The algal growth potential (AGP) value is the peak growth of the alga within that 14-day period, recorded as mg dry weight/L. Raschke and Shultz (1987) found that an AGP above 10.0 mg dry weight/L represents a “problem” threshold for marine receiving waters, implying nutrient enrichment. High AGP values may constitute one line of evidence for violation of 62-302.530(47) F.A.C., 62-302.530(48)(a) F.A.C. and/or 62-302.530(48)(b) F.A.C..

The concentration of nutrients in a water sample may be used to calculate the expected yield of AGP in a low salinity sample under the assumption that other required nutrients (e.g. silicon, micronutrients) are present in excess (Miller *et al*. 1978). The expected amount of production is calculated as 38 times the total soluble inorganic nitrogen (nitrate and nitrite plus ammonia) under nitrogen limitation or 430 times the ortho-phosphate (OP) concentration under phosphorus limitation with an error of ± 20%. When the ratio of nitrogen to phosphorus (N:P) is less than 10:1, nitrogen limitation of algal production is likely. When the N:P ratio is 20:1 or greater, phosphorus limitation is likely (EPA-822-B-00-002). For ratios in-

between, co-limitation may occur. Production of lower biomass than expected may be evidence of growth inhibition related to toxic compounds present in the water sample tested and may be a violation of 62-302.530(62) F.A.C.. Expected AGP cannot be calculated for marine samples incubated with *Dunaliella.*

(7) Sediment Sampling

Sediment cores were collected with a stainless steel core tube at all sampling stations following QA Rule SOP FS4000. Samples were analyzed for metals, organic constituents, pesticides, organic content and sediment grain size in the laboratory following FDEP SOPs.

When cores were collected, the core was split and the depth of the discontinuity layer was measured to the nearest mm with a ruler. The discontinuity layer, where present, is a line at varying depths in the sediment where the sediments become black and anoxic. Where it can be measured, the discontinuity layer provides an estimate of the oxygenation depth of sediments. For example, in polluted or highly organic sediments, the discontinuity layer is usually <10 mm deep while in well-aerated sediments, it may be >10 cm.

(8) Algal Phytoplankton

Methods: Phytoplankton were sampled using a 1 L grab sample (QA Rule SOP FS7100).

Chlorophyll *a* Content: Chlorophyll *a* content is measured in both phytoplankton and periphyton samples to estimate algal biomass (FDEP SOP BB05). High algal biomass implies nutrient stress (Stevenson and Bahls 1999) and may be a violation of 62-302.530(47) F.A.C., 62-302.530(48)(a) F.A.C. and/or 62-302.530(48)(b) F.A.C..

(9) Benthic Macroinvertebrate Assemblages

Methods: Benthic macroinvertebrates were collected using a petite ponar dredge following QA Rule SOP FS7530. Five replicate ponar samples were collected at each station and sieved through a 500 μm mesh. Benthic macroinvertebrates were sorted and identified to the lowest practical taxonomic level, usually species (FDEP SOP IZ06).

Taxa richness: Taxa richness is the number of distinct macroinvertebrate taxa present in a sample. Decreases in taxa richness related to a facility's effluent may constitute violations of 62-302.530(47) F.A.C., 62-302.530(48)(a) F.A.C., 62-302.530(48)(b) F.A.C. and/or 62-302.530(62) F.A.C..

Percent Contribution of Dominant Taxon: Percent contribution of the dominant taxon is calculated by dividing the number of individuals in the most abundant taxa by the total number of individuals counted. Percent contribution of the dominant taxon tends to increase with increasing perturbation (Plafkin *et al*., 1989). Increases in the percent contribution of the dominant taxon related to a facility's effluent may constitute violations of 62-302.530(47) F.A.C., 62-302.530(48)(a) F.A.C. and/or 62-302.530(48)(b) F.A.C..

Community Composition: Shifts in proportions of major groups of organisms downstream of a point source, compared to upstream, control conditions, may indicate negative effects of a discharge (Karr and Chu 1998). Shifts in community composition related to a facility's effluent may constitute violations of 62-302.530(47) F.A.C., 62-302.530(48)(a) F.A.C., 62-302.530(48)(b) F.A.C. and/or 62-302.530(62) F.A.C..

Functional Feeding Groups: Environmental degradation may differentially affect groups of invertebrates based on how the group feeds (e.g. predators, deposit feeders, etc.). Changes in the proportions of functional feeding groups related to a facility's effluent may constitute violations of 62-302.530(47) F.A.C., 62-302.530(48)(a) F.A.C., 62-302.530(48)(b) F.A.C. and/or 62-302.530(62) F.A.C..

Shannon-Weaver Diversity Index: This index is specified in the Florida Administrative Code 62-302 as a measure of biological integrity. Low diversity scores are undesirable. Where diversity is low, only a few taxa are abundant as compared to an area where many taxa are present in equitable abundance among taxa (Magurran 1988). A difference of 25% in Shannon-Weaver diversity between results from petite ponar samples at test and control sites constitutes a violation of 62-302.530(11) F.A.C..

(10) Statistical Comparisons

Statistical comparisons of the proportions of taxa, major groups or feeding groups were made using 95% confidence intervals on proportions. A 95% confidence interval is the range of values above and below a given proportion that has a 95% chance of containing the true proportion (Sokal and Rohlf 1995). If the 95% confidence intervals for two proportions do not overlap, then the proportion of X in sample 1 is significantly different from the proportion of X in sample 2 at $p<0.05$. A "$p<0.05$" level of significance means that there is less than a 5% chance that the true proportions in the two samples are the same. All comparisons that are labeled as significant in the text have a probability <0.05 that the proportions are the same.

Appendix 4

Chemical analysis of effluent and receiving water

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
3/24/2004 13:55	STATION 1	Bio-AGP/LimNut	Algal Growth Potential	16.2	mg DryWt/L		0.1	0.3
3/24/2004 13:55	STATION 1	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	UQ	0.85	2.6
3/24/2004 13:55	STATION 1	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	UQ	0.85	2.6
3/24/2004 13:55	STATION 1	Nutrients-Liquid	Ammonia-N	0.024	mg N/L		0.01	0.02
3/24/2004 13:55	STATION 1	Nutrients-Liquid	NO2NO3-N	0.35	mg N/L		0.004	0.01
3/24/2004 13:55	STATION 1	Nutrients-Liquid	N_KJEL_TOT	0.87	mg N/L	A	0.12	0.4
3/24/2004 13:55	STATION 1	Nutrients-Liquid	O-Phosphate-P	0.15	mg P/L	Q	0.004	0.01
3/24/2004 13:55	STATION 1	Nutrients-Liquid	TSS	6	mg/L	I	4	16
3/24/2004 13:55	STATION 1	Nutrients-Liquid	Total-P	0.17	mg P/L	A	0.02	0.06
3/24/2004 13:55	STATION 1	Nutrients-Liquid	Turbidity	3.1	NTU	Q	0.05	0.05
3/24/2004 16:10	STATION 2	Bio-AGP/LimNut	Algal Growth Potential	14.5	mg DryWt/L		0.1	0.3
3/24/2004 16:10	STATION 2	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	UQ	0.85	2.6
3/24/2004 16:10	STATION 2	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	UQ	0.85	2.6
3/24/2004 16:10	STATION 2	Nutrients-Liquid	Ammonia-N	0.027	mg N/L		0.01	0.02
3/24/2004 16:10	STATION 2	Nutrients-Liquid	NO2NO3-N	0.41	mg N/L		0.004	0.01
3/24/2004 16:10	STATION 2	Nutrients-Liquid	N_KJEL_TOT	0.88	mg N/L		0.12	0.4
3/24/2004 16:10	STATION 2	Nutrients-Liquid	O-Phosphate-P	0.13	mg P/L	Q	0.004	0.01
3/24/2004 16:10	STATION 2	Nutrients-Liquid	TSS	6	mg/L	I	4	16
3/24/2004 16:10	STATION 2	Nutrients-Liquid	Total-P	0.17	mg P/L		0.02	0.06
3/24/2004 16:10	STATION 2	Nutrients-Liquid	Turbidity	3.1	NTU		0.05	0.05
3/24/2004 16:20	STATION 3	Bio-AGP/LimNut	Algal Growth Potential	17.2	mg DryWt/L	A	0.1	0.3
3/24/2004 16:20	STATION 3	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	UQ	0.85	2.6
3/24/2004 16:20	STATION 3	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	UQ	0.85	2.6
3/24/2004 16:20	STATION 3	Nutrients-Liquid	Ammonia-N	0.022	mg N/L		0.01	0.02
3/24/2004 16:20	STATION 3	Nutrients-Liquid	NO2NO3-N	0.33	mg N/L		0.004	0.01
3/24/2004 16:20	STATION 3	Nutrients-Liquid	N_KJEL_TOT	0.82	mg N/L		0.12	0.4
3/24/2004 16:20	STATION 3	Nutrients-Liquid	O-Phosphate-P	0.11	mg P/L		0.004	0.01
3/24/2004 16:20	STATION 3	Nutrients-Liquid	TSS	6	mg/L	I	4	16
3/24/2004 16:20	STATION 3	Nutrients-Liquid	Total-P	0.15	mg P/L		0.02	0.06
3/24/2004 16:20	STATION 3	Nutrients-Liquid	Turbidity	3.3	NTU	A	0.05	0.05
3/25/2004 4:30	EFFLUENT-SAMPLE #1	Bio-Toxicology	Bioassay-Acute-Screen-SW-Fish, LC50	100	LC50	L		
3/25/2004 4:30	EFFLUENT-SAMPLE #1	Bio-Toxicology	Bioassay-Acute-Screen-SW-Mysid, LC50	100	LC50	L		
3/25/2004 4:30	EFFLUENT-SAMPLE #2	Bio-Toxicology	Bioassay-Acute-Screen-SW-Fish, LC50	100	LC50	L		
3/25/2004 4:30	EFFLUENT-SAMPLE #2	Bio-Toxicology	Bioassay-Acute-Screen-SW-Mysid, LC50	100	LC50	L		
3/25/2004 4:30	EFFLUENT-SAMPLE #3	Bio-Toxicology	Bioassay-Acute-Screen-SW-Fish, LC50	100	LC50	L		
3/25/2004 4:30	EFFLUENT-SAMPLE #3	Bio-Toxicology	Bioassay-Acute-Screen-SW-Mysid, LC50	100	LC50	L		
3/25/2004 4:30	EFFLUENT-SAMPLE #4	Bio-Toxicology	Bioassay-Acute-Screen-SW-Fish, LC50	100	LC50	L		
3/25/2004 4:30	EFFLUENT-SAMPLE #4	Bio-Toxicology	Bioassay-Acute-Screen-SW-Mysid, LC50	100	LC50	L		
3/25/2004 8:15	CORER BLANK	BNA-Water	1,2,4-Trichlorobenzene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	1,2-Dichlorobenzene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	1,3-Dichlorobenzene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	1,4-Dichlorobenzene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	2,4,6-Trichlorophenol	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	2,4-Dichlorophenol	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER	BNA-Water	2,4-Dimethylphenol	49	ug/L	U	49	200

3/25/2004 8:15	BLANK CORER	BNA-Water	2,4-Dinitrophenol	15	ug/L	U	15	59
3/25/2004 8:15	BLANK CORER	BNA-Water	2,4-Dinitrotoluene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	2,6-Dinitrotoluene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	2-Chloronaphthalene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	2-Chlorophenol	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	12
3/25/2004 8:15	BLANK CORER	BNA-Water	2-Nitrophenol	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	3,3'-Dichlorobenzidine	39	ug/L	U	39	160
3/25/2004 8:15	BLANK CORER	BNA-Water	4,4'-DDD	1.5	ug/L	U	1.5	5.9
3/25/2004 8:15	BLANK CORER	BNA-Water	4,4'-DDE	1.5	ug/L	U	1.5	5.9
3/25/2004 8:15	BLANK CORER	BNA-Water	4,4'-DDT	1.5	ug/L	U	1.5	5.9
3/25/2004 8:15	BLANK CORER	BNA-Water	4-Bromophenyl phenyl ether	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	4-Chloro-3-methylphenol	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	4-Chlorophenyl phenyl ether	2	ug/L	U	2	7.8
3/25/2004 8:15	BLANK CORER	BNA-Water	4-Nitrophenol	15	ug/L	U	15	59
3/25/2004 8:15	BLANK CORER	BNA-Water	Acenaphthene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Acenaphthylene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Aldrin	1.5	ug/L	U	1.5	5.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Anthracene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Benzidine	98	ug/L	U	98	390
3/25/2004 8:15	BLANK CORER	BNA-Water	Benzo(a)anthracene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Benzo(a)pyrene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Benzo(b)fluoranthene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Benzo(g,h,i)perylene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Benzo(k)fluoranthene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Bis(2-chloroethoxy)methane	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Bis(2-chloroethyl)ether	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	12
3/25/2004 8:15	BLANK CORER	BNA-Water	Bis(2-ethylhexyl)phthalate	15	ug/L	U	15	59
3/25/2004 8:15	BLANK CORER	BNA-Water	Butyl benzyl phthalate	4.9	ug/L	U	4.9	20
3/25/2004 8:15	BLANK CORER	BNA-Water	Chrysene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Di-n-butyl phthalate	4.9	ug/L	U	4.9	20
3/25/2004 8:15	BLANK CORER	BNA-Water	Di-n-octyl phthalate	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Dibenzo(a,h)anthracene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Dieldrin	1.5	ug/L	U	1.5	5.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Diethyl phthalate	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	BLANK CORER	BNA-Water	Dimethyl phthalate	49	ug/L	U	49	200
	BLANK							

3/25/2004 8:15	CORER BLANK	BNA-Water	Endosulfan I	3.9	ug/L	U	3.9	16
3/25/2004 8:15	CORER BLANK	BNA-Water	Endosulfan II	3.9	ug/L	U	3.9	16
3/25/2004 8:15	CORER BLANK	BNA-Water	Endosulfan sulfate	1.5	ug/L	U	1.5	5.9
3/25/2004 8:15	CORER BLANK	BNA-Water	Endrin	1.5	ug/L	U	1.5	5.9
3/25/2004 8:15	CORER BLANK	BNA-Water	Endrin aldehyde	3.9	ug/L	U	3.9	16
3/25/2004 8:15	CORER BLANK	BNA-Water	Fluoranthene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	Fluorene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	Heptachlor	1.5	ug/L	U	1.5	5.9
3/25/2004 8:15	CORER BLANK	BNA-Water	Heptachlor epoxide	1.5	ug/L	U	1.5	5.9
3/25/2004 8:15	CORER BLANK	BNA-Water	Hexachlorobenzene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	12
3/25/2004 8:15	CORER BLANK	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	UJ	2.9	12
3/25/2004 8:15	CORER BLANK	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	12
3/25/2004 8:15	CORER BLANK	BNA-Water	Indeno(1,2,3-cd)pyrene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	Isophorone	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	N-Nitrosodi-n-propylamine	2	ug/L	U	2	7.8
3/25/2004 8:15	CORER BLANK	BNA-Water	N-Nitrosodimethylamine	2	ug/L	U	2	7.8
3/25/2004 8:15	CORER BLANK	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	12
3/25/2004 8:15	CORER BLANK	BNA-Water	Naphthalene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	Nitrobenzene	2	ug/L	U	2	7.8
3/25/2004 8:15	CORER BLANK	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	12
3/25/2004 8:15	CORER BLANK	BNA-Water	Phenanthrene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	Phenol	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	Pyrene	0.98	ug/L	U	0.98	3.9
3/25/2004 8:15	CORER BLANK	BNA-Water	alpha-BHC	1.5	ug/L	U	1.5	5.9
3/25/2004 8:15	CORER BLANK	BNA-Water	beta-BHC	1.5	ug/L	U	1.5	5.9
3/25/2004 8:15	CORER BLANK	BNA-Water	delta-BHC	1.5	ug/L	U	1.5	5.9
3/25/2004 8:15	CORER BLANK	BNA-Water	gamma-BHC	1.5	ug/L	U	1.5	5.9
3/25/2004 8:15	CORER BLANK	GC-Water	Alachlor	0.6	ug/L	UJ	0.6	2.4
3/25/2004 8:15	CORER BLANK	GC-Water	Aldrin	0.01	ug/L	U	0.01	0.04
3/25/2004 8:15	CORER BLANK	GC-Water	Alpha-BHC	0.01	ug/L	U	0.01	0.04
3/25/2004 8:15	CORER BLANK	GC-Water	Ametryn	0.05	ug/L	U	0.05	0.2
3/25/2004 8:15	CORER BLANK	GC-Water	Atrazine	0.05	ug/L	UJ	0.05	0.2
3/25/2004 8:15	CORER BLANK	GC-Water	Azinphos Methyl	0.05	ug/L	U	0.05	0.2
3/25/2004 8:15	CORER BLANK	GC-Water	Beta-BHC	0.01	ug/L	U	0.01	0.04
3/25/2004 8:15	CORER BLANK	GC-Water	Bromacil	0.2	ug/L	U	0.2	0.8
3/25/2004 8:15	CORER BLANK	GC-Water	Butylate	0.2	ug/L	U	0.2	0.8
3/25/2004 8:15	CORER	GC-Water	Chlordane	0.2	ug/L	U	0.2	0.8

3/25/2004 8:15	BLANK CORER	GC-Water	Chlorpyrifos Ethyl	0.05	ug/L	U	0.05	0.2
3/25/2004 8:15	BLANK CORER	GC-Water	Chlorpyrifos Methyl	0.1	ug/L	U	0.1	0.4
3/25/2004 8:15	BLANK CORER	GC-Water	DDD-p,p'	0.02	ug/L	U	0.02	0.08
3/25/2004 8:15	BLANK CORER	GC-Water	DDE-p,p'	0.02	ug/L	U	0.02	0.08
3/25/2004 8:15	BLANK CORER	GC-Water	DDT-p,p'	0.03	ug/L	U	0.03	0.12
3/25/2004 8:15	BLANK CORER	GC-Water	Delta-BHC	0.01	ug/L	U	0.01	0.04
3/25/2004 8:15	BLANK CORER	GC-Water	Diazinon	0.05	ug/L	U	0.05	0.2
3/25/2004 8:15	BLANK CORER	GC-Water	Dieldrin	0.02	ug/L	U	0.02	0.08
3/25/2004 8:15	BLANK CORER	GC-Water	Endosulfan I	0.02	ug/L	U	0.02	0.08
3/25/2004 8:15	BLANK CORER	GC-Water	Endosulfan II	0.02	ug/L	U	0.02	0.08
3/25/2004 8:15	BLANK CORER	GC-Water	Endosulfan Sulfate	0.02	ug/L	U	0.02	0.08
3/25/2004 8:15	BLANK CORER	GC-Water	Endrin	0.05	ug/L	U	0.05	0.2
3/25/2004 8:15	BLANK CORER	GC-Water	Endrin Aldehyde	0.02	ug/L	U	0.02	0.08
3/25/2004 8:15	BLANK CORER	GC-Water	Ethion	0.05	ug/L	U	0.05	0.2
3/25/2004 8:15	BLANK CORER	GC-Water	Ethoprop	0.1	ug/L	U	0.1	0.4
3/25/2004 8:15	BLANK CORER	GC-Water	Fenamiphos	0.2	ug/L	U	0.2	0.8
3/25/2004 8:15	BLANK CORER	GC-Water	Fonofos	0.1	ug/L	U	0.1	0.4
3/25/2004 8:15	BLANK CORER	GC-Water	Gamma-BHC	0.01	ug/L	U	0.01	0.04
3/25/2004 8:15	BLANK CORER	GC-Water	Heptachlor	0.01	ug/L	U	0.01	0.04
3/25/2004 8:15	BLANK CORER	GC-Water	Heptachlor Epoxide	0.02	ug/L	U	0.02	0.08
3/25/2004 8:15	BLANK CORER	GC-Water	Hexazinone	0.1	ug/L	U	0.1	0.4
3/25/2004 8:15	BLANK CORER	GC-Water	Malathion	0.15	ug/L	U	0.15	0.6
3/25/2004 8:15	BLANK CORER	GC-Water	Metalaxyl	0.25	ug/L	U	0.25	1
3/25/2004 8:15	BLANK CORER	GC-Water	Methoxychlor	0.05	ug/L	U	0.05	0.2
3/25/2004 8:15	BLANK CORER	GC-Water	Metolachlor	0.5	ug/L	UJ	0.5	2
3/25/2004 8:15	BLANK CORER	GC-Water	Metribuzin	0.1	ug/L	U	0.1	0.4
3/25/2004 8:15	BLANK CORER	GC-Water	Mevinphos	0.2	ug/L	UJ	0.2	0.8
3/25/2004 8:15	BLANK CORER	GC-Water	Naled	0.8	ug/L	UJ	0.8	3.2
3/25/2004 8:15	BLANK CORER	GC-Water	Norflurazon	0.1	ug/L	U	0.1	0.4
3/25/2004 8:15	BLANK CORER	GC-Water	PCB-1016	0.2	ug/L	U	0.2	0.8
3/25/2004 8:15	BLANK CORER	GC-Water	PCB-1221	0.2	ug/L	U	0.2	0.8
3/25/2004 8:15	BLANK CORER	GC-Water	PCB-1232	0.2	ug/L	U	0.2	0.8
3/25/2004 8:15	BLANK CORER	GC-Water	PCB-1242	0.3	ug/L	U	0.3	1.2
3/25/2004 8:15	BLANK CORER	GC-Water	PCB-1248	0.2	ug/L	U	0.2	0.8
3/25/2004 8:15	BLANK CORER	GC-Water	PCB-1254	0.3	ug/L	U	0.3	1.2
3/25/2004 8:15	BLANK CORER	GC-Water	PCB-1260	0.2	ug/L	U	0.2	0.8
3/25/2004 8:15	BLANK CORER	GC-Water	Parathion Ethyl	0.15	ug/L	U	0.15	0.6
	BLANK							

3/25/2004 8:15	CORER BLANK	GC-Water	Parathion Methyl	0.1	ug/L	U	0.1	0.4
3/25/2004 8:15	CORER BLANK	GC-Water	Phorate	0.05	ug/L	U	0.05	0.2
3/25/2004 8:15	CORER BLANK	GC-Water	Prometryn	0.15	ug/L	UJ	0.15	0.6
3/25/2004 8:15	CORER BLANK	GC-Water	Simazine	0.05	ug/L	U	0.05	0.2
3/25/2004 8:15	CORER BLANK	GC-Water	Toxaphene	0.75	ug/L	U	0.75	3
3/25/2004 8:15	CORER BLANK	Metals-Water	Aluminum	7	ug/L	U	7	28
3/25/2004 8:15	CORER BLANK	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
3/25/2004 8:15	CORER BLANK	Metals-Water	Chromium	2	ug/L	U	2	8
3/25/2004 8:15	CORER BLANK	Metals-Water	Copper	1	ug/L	U	1	4
3/25/2004 8:15	CORER BLANK	Metals-Water	Iron	10	ug/L	U	10	40
3/25/2004 8:15	CORER BLANK	Metals-Water	Lead	0.05	ug/L	U	0.05	0.2
3/25/2004 8:15	CORER BLANK	Metals-Water	Nickel	4	ug/L	U	4	16
3/25/2004 8:15	CORER BLANK	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
3/25/2004 8:15	CORER BLANK	Metals-Water	Zinc	5	ug/L	U	5	20
3/25/2004 9:15	STATION 4	BNA-Waste	1,2,4-Trichlorobenzene	240	ug/kg	U	240	970
3/25/2004 9:15	STATION 4	BNA-Waste	1,2-Dichlorobenzene	240	ug/kg	U	240	970
3/25/2004 9:15	STATION 4	BNA-Waste	1,3-Dichlorobenzene	240	ug/kg	U	240	970
3/25/2004 9:15	STATION 4	BNA-Waste	1,4-Dichlorobenzene	240	ug/kg	U	240	970
3/25/2004 9:15	STATION 4	BNA-Waste	2,4,6-Trichlorophenol	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	2,4-Dichlorophenol	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	2,4-Dimethylphenol	2400	ug/kg	U	2400	9600
3/25/2004 9:15	STATION 4	BNA-Waste	2,4-Dinitrophenol	490	ug/kg	U	490	1900
3/25/2004 9:15	STATION 4	BNA-Waste	2,4-Dinitrotoluene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	2,6-Dinitrotoluene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	2-Chloronaphthalene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	2-Chlorophenol	240	ug/kg	U	240	970
3/25/2004 9:15	STATION 4	BNA-Waste	2-Methyl-4,6-dinitrophenol	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	2-Nitrophenol	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	3,3'-Dichlorobenzidine	4900	ug/kg	U	4900	19000
3/25/2004 9:15	STATION 4	BNA-Waste	4,4'-DDD	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	4,4'-DDE	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	4,4'-DDT	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	4-Bromophenyl phenyl ether	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	4-Chloro-3-methylphenol	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	4-Chlorophenyl phenyl ether	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	4-Nitrophenol	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Acenaphthene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Acenaphthylene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Aldrin	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Anthracene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Benzidine	1800	ug/kg	U	1800	7000
3/25/2004 9:15	STATION 4	BNA-Waste	Benzo(a)anthracene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Benzo(a)pyrene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Benzo(b)fluoranthene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Benzo(g,h,i)perylene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Benzo(k)fluoranthene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Bis(2-chloroethoxy)methane	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Bis(2-chloroethyl)ether	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Bis(2-chloroisopropyl)ether	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Bis(2-ethylhexyl)phthalate	490	ug/kg	U	490	1900
3/25/2004 9:15	STATION 4	BNA-Waste	Butyl benzyl phthalate	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Chrysene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Di-n-butyl phthalate	490	ug/kg	U	490	1900
3/25/2004 9:15	STATION 4	BNA-Waste	Di-n-octyl phthalate	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Dibenzo(a,h)anthracene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Dieldrin	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Diethyl phthalate	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Dimethyl phthalate	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Endosulfan I	81	ug/kg	U	81	320

3/25/2004 9:15	STATION 4	BNA-Waste	Endosulfan II	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Endosulfan sulfate	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Endrin	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Endrin aldehyde	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Fluoranthene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Fluorene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Heptachlor	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Heptachlor epoxide	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Hexachlorobenzene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Hexachlorobutadiene	240	ug/kg	U	240	970
3/25/2004 9:15	STATION 4	BNA-Waste	Hexachlorocyclopentadiene	81	ug/kg	UJ	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Hexachloroethane	240	ug/kg	U	240	970
3/25/2004 9:15	STATION 4	BNA-Waste	Indeno(1,2,3-cd)pyrene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Isophorone	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	N-Nitrosodi-n-propylamine	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	N-Nitrosodimethylamine	490	ug/kg	U	490	1900
3/25/2004 9:15	STATION 4	BNA-Waste	N-Nitrosodiphenylamine	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Naphthalene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Nitrobenzene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Pentachlorophenol	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Phenanthrene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Phenol	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	Pyrene	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	alpha-BHC	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	beta-BHC	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	delta-BHC	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	BNA-Waste	gamma-BHC	81	ug/kg	U	81	320
3/25/2004 9:15	STATION 4	Bio-AGP/LimNut	Algal Growth Potential	6.93	mg DryWt/L		0.1	0.3
3/25/2004 9:15	STATION 4	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
3/25/2004 9:15	STATION 4	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
3/25/2004 9:15	STATION 4	Bio-SedPrtSz/AFDW	Sediment % Organic	1.2	% dry wt	A		
3/25/2004 9:15	STATION 4	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.063-0.125mm	6.94	% vol <2mm	A		
3/25/2004 9:15	STATION 4	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.125-0.25 mm	65.6	% vol <2mm	A		
3/25/2004 9:15	STATION 4	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.25-0.5 mm	16.8	% vol <2mm	A		
3/25/2004 9:15	STATION 4	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.5-2.0 mm	1.28	% vol <2mm	A		
3/25/2004 9:15	STATION 4	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, <0.063 mm	9.41	% vol <2mm	A		
3/25/2004 9:15	STATION 4	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, >2.0 mm	1	%tot drywt	AK		
3/25/2004 9:15	STATION 4	GC-Soil	Alachlor	27	ug/kg	U	27	108
3/25/2004 9:15	STATION 4	GC-Soil	Aldrin	0.45	ug/Kg	U	0.45	1.8
3/25/2004 9:15	STATION 4	GC-Soil	Alpha-BHC	0.45	ug/Kg	U	0.45	1.8
3/25/2004 9:15	STATION 4	GC-Soil	Ametryn	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:15	STATION 4	GC-Soil	Atrazine	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:15	STATION 4	GC-Soil	Azinphos Methyl	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:15	STATION 4	GC-Soil	Beta-BHC	0.45	ug/Kg	U	0.45	1.8
3/25/2004 9:15	STATION 4	GC-Soil	Bromacil	18	ug/kg	U	18	72
3/25/2004 9:15	STATION 4	GC-Soil	Chlordane	6.7	ug/Kg	U	6.7	26.8
3/25/2004 9:15	STATION 4	GC-Soil	Chlorpyrifos Ethyl	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:15	STATION 4	GC-Soil	Chlorpyrifos Methyl	4.5	ug/kg	U	4.5	18
3/25/2004 9:15	STATION 4	GC-Soil	DDD-p,p'	0.89	ug/Kg	U	0.89	3.56
3/25/2004 9:15	STATION 4	GC-Soil	DDE-p,p'	0.89	ug/Kg	U	0.89	3.56
3/25/2004 9:15	STATION 4	GC-Soil	DDT-p,p'	1.3	ug/Kg	U	1.3	5.2
3/25/2004 9:15	STATION 4	GC-Soil	Delta-BHC	0.89	ug/Kg	U	0.89	3.56
3/25/2004 9:15	STATION 4	GC-Soil	Diazinon	4.5	ug/kg	UJ	4.5	18
3/25/2004 9:15	STATION 4	GC-Soil	Dieldrin	0.45	ug/Kg	U	0.45	1.8
3/25/2004 9:15	STATION 4	GC-Soil	Endosulfan I	0.45	ug/Kg	U	0.45	1.8
3/25/2004 9:15	STATION 4	GC-Soil	Endosulfan II	0.45	ug/Kg	U	0.45	1.8
3/25/2004 9:15	STATION 4	GC-Soil	Endosulfan Sulfate	0.89	ug/Kg	U	0.89	3.56
3/25/2004 9:15	STATION 4	GC-Soil	Endrin	2.2	ug/Kg	U	2.2	8.8
3/25/2004 9:15	STATION 4	GC-Soil	Endrin Aldehyde	0.89	ug/Kg	UJ	0.89	3.56
3/25/2004 9:15	STATION 4	GC-Soil	Ethion	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:15	STATION 4	GC-Soil	Ethoprop	4.5	ug/kg	U	4.5	18
3/25/2004 9:15	STATION 4	GC-Soil	Fenamiphos	18	ug/kg	U	18	72
3/25/2004 9:15	STATION 4	GC-Soil	Fonofos	4.5	ug/kg	U	4.5	18
3/25/2004 9:15	STATION 4	GC-Soil	Gamma-BHC	0.45	ug/Kg	U	0.45	1.8
3/25/2004 9:15	STATION 4	GC-Soil	Heptachlor	0.45	ug/Kg	U	0.45	1.8
3/25/2004 9:15	STATION 4	GC-Soil	Heptachlor Epoxide	0.45	ug/Kg	U	0.45	1.8

3/25/2004 9:15	STATION 4	GC-Soil	Hexazinone	8.9	ug/kg	U	8.9	35.6
3/25/2004 9:15	STATION 4	GC-Soil	Malathion	6.7	ug/kg	UJ	6.7	26.8
3/25/2004 9:15	STATION 4	GC-Soil	Methamidophos	22	ug/kg	UJ	22	88
3/25/2004 9:15	STATION 4	GC-Soil	Methoxychlor	2.2	ug/Kg	U	2.2	8.8
3/25/2004 9:15	STATION 4	GC-Soil	Metolachlor	22	ug/kg	U	22	88
3/25/2004 9:15	STATION 4	GC-Soil	Metribuzin	4.5	ug/kg	U	4.5	18
3/25/2004 9:15	STATION 4	GC-Soil	Mevinphos	8.9	ug/kg	U	8.9	35.6
3/25/2004 9:15	STATION 4	GC-Soil	Monocrotophos	45	ug/kg	UJ	45	180
3/25/2004 9:15	STATION 4	GC-Soil	Naled	36	ug/kg	U	36	144
3/25/2004 9:15	STATION 4	GC-Soil	Norflurazon	4.5	ug/kg	U	4.5	18
3/25/2004 9:15	STATION 4	GC-Soil	PCB-1016	13	ug/Kg	U	13	52
3/25/2004 9:15	STATION 4	GC-Soil	PCB-1221	8.9	ug/Kg	U	8.9	35.6
3/25/2004 9:15	STATION 4	GC-Soil	PCB-1232	20	ug/Kg	U	20	80
3/25/2004 9:15	STATION 4	GC-Soil	PCB-1242	13	ug/Kg	U	13	52
3/25/2004 9:15	STATION 4	GC-Soil	PCB-1248	8.9	ug/Kg	U	8.9	35.6
3/25/2004 9:15	STATION 4	GC-Soil	PCB-1254	8.9	ug/Kg	U	8.9	35.6
3/25/2004 9:15	STATION 4	GC-Soil	PCB-1260	13	ug/Kg	U	13	52
3/25/2004 9:15	STATION 4	GC-Soil	Parathion Ethyl	6.7	ug/kg	U	6.7	26.8
3/25/2004 9:15	STATION 4	GC-Soil	Parathion Methyl	6.7	ug/kg	U	6.7	26.8
3/25/2004 9:15	STATION 4	GC-Soil	Phorate	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:15	STATION 4	GC-Soil	Prometryn	6.7	ug/kg	U	6.7	26.8
3/25/2004 9:15	STATION 4	GC-Soil	Simazine	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:15	STATION 4	GC-Soil	Toxaphene	34	ug/Kg	U	34	136
3/25/2004 9:15	STATION 4	Metals-Waste	Aluminum	2100	mg/Kg		280	1100
3/25/2004 9:15	STATION 4	Metals-Waste	Cadmium	0.17	mg/Kg	IJ	0.076	0.17
3/25/2004 9:15	STATION 4	Metals-Waste	Chromium	11.8	mg/Kg		0.4	1.6
3/25/2004 9:15	STATION 4	Metals-Waste	Copper	5.2	mg/Kg		0.61	2.4
3/25/2004 9:15	STATION 4	Metals-Waste	Iron	2060	mg/Kg		10	40
3/25/2004 9:15	STATION 4	Metals-Waste	Lead	1	mg/Kg	U	1	4
3/25/2004 9:15	STATION 4	Metals-Waste	Nickel	4.1	mg/Kg		0.25	1
3/25/2004 9:15	STATION 4	Metals-Waste	Silver	0.15	mg/Kg	UJ	0.15	0.61
3/25/2004 9:15	STATION 4	Metals-Waste	Zinc	9.2	mg/Kg		2	8.1
3/25/2004 9:15	STATION 4	Nutrients-Liquid	Ammonia-N	0.052	mg N/L		0.01	0.02
3/25/2004 9:15	STATION 4	Nutrients-Liquid	NO2NO3-N	0.061	mg N/L		0.004	0.01
3/25/2004 9:15	STATION 4	Nutrients-Liquid	N_KJEL_TOT	0.82	mg N/L		0.12	0.4
3/25/2004 9:15	STATION 4	Nutrients-Liquid	O-Phosphate-P	0.16	mg P/L		0.004	0.01
3/25/2004 9:15	STATION 4	Nutrients-Liquid	TSS	4	mg/L	U	4	16
3/25/2004 9:15	STATION 4	Nutrients-Liquid	Total-P	0.14	mg P/L		0.02	0.06
3/25/2004 9:15	STATION 4	Nutrients-Liquid	Turbidity	1.9	NTU		0.05	0.05
3/25/2004 9:30	STATION 5	BNA-Waste	1,2,4-Trichlorobenzene	240	ug/kg	U	240	970
3/25/2004 9:30	STATION 5	BNA-Waste	1,2-Dichlorobenzene	240	ug/kg	U	240	970
3/25/2004 9:30	STATION 5	BNA-Waste	1,3-Dichlorobenzene	240	ug/kg	U	240	970
3/25/2004 9:30	STATION 5	BNA-Waste	1,4-Dichlorobenzene	240	ug/kg	U	240	970
3/25/2004 9:30	STATION 5	BNA-Waste	2,4,6-Trichlorophenol	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	2,4-Dichlorophenol	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	2,4-Dimethylphenol	2400	ug/kg	U	2400	9600
3/25/2004 9:30	STATION 5	BNA-Waste	2,4-Dinitrophenol	480	ug/kg	U	480	1900
3/25/2004 9:30	STATION 5	BNA-Waste	2,4-Dinitrotoluene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	2,6-Dinitrotoluene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	2-Chloronaphthalene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	2-Chlorophenol	240	ug/kg	U	240	970
3/25/2004 9:30	STATION 5	BNA-Waste	2-Methyl-4,6-dinitrophenol	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	2-Nitrophenol	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	3,3'-Dichlorobenzidine	4800	ug/kg	U	4800	19000
3/25/2004 9:30	STATION 5	BNA-Waste	4,4'-DDD	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	4,4'-DDE	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	4,4'-DDT	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	4-Bromophenyl phenyl ether	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	4-Chloro-3-methylphenol	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	4-Chlorophenyl phenyl ether	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	4-Nitrophenol	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Acenaphthene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Acenaphthylene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Aldrin	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Anthracene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Benzidine	1700	ug/kg	U	1700	7000
3/25/2004 9:30	STATION 5	BNA-Waste	Benzo(a)anthracene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Benzo(a)pyrene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Benzo(b)fluoranthene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Benzo(g,h,i)perylene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Benzo(k)fluoranthene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Bis(2-chloroethoxy)methane	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Bis(2-chloroethyl)ether	81	ug/kg	U	81	320

3/25/2004 9:30	STATION 5	BNA-Waste	Bis(2-chloroisopropyl)ether	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Bis(2-ethylhexyl)phthalate	480	ug/kg	U	480	1900
3/25/2004 9:30	STATION 5	BNA-Waste	Butyl benzyl phthalate	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Chrysene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Di-n-butyl phthalate	480	ug/kg	U	480	1900
3/25/2004 9:30	STATION 5	BNA-Waste	Di-n-octyl phthalate	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Dibenzo(a,h)anthracene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Dieldrin	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Diethyl phthalate	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Dimethyl phthalate	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Endosulfan I	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Endosulfan II	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Endosulfan sulfate	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Endrin	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Endrin aldehyde	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Fluoranthene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Fluorene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Heptachlor	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Heptachlor epoxide	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Hexachlorobenzene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Hexachlorobutadiene	240	ug/kg	U	240	970
3/25/2004 9:30	STATION 5	BNA-Waste	Hexachlorocyclopentadiene	81	ug/kg	UJ	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Hexachloroethane	240	ug/kg	U	240	970
3/25/2004 9:30	STATION 5	BNA-Waste	Indeno(1,2,3-cd)pyrene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Isophorone	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	N-Nitrosodi-n-propylamine	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	N-Nitrosodimethylamine	480	ug/kg	U	480	1900
3/25/2004 9:30	STATION 5	BNA-Waste	N-Nitrosodiphenylamine	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Naphthalene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Nitrobenzene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Pentachlorophenol	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Phenanthrene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Phenol	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	Pyrene	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	alpha-BHC	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	beta-BHC	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	delta-BHC	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	BNA-Waste	gamma-BHC	81	ug/kg	U	81	320
3/25/2004 9:30	STATION 5	Bio-AGP/LimNut	Algal Growth Potential	5.34	mg DryWt/L		0.1	0.3
3/25/2004 9:30	STATION 5	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
3/25/2004 9:30	STATION 5	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
3/25/2004 9:30	STATION 5	Bio-SedPrtSz/AFDW	Sediment % Organic	1.2	% dry wt	A		
3/25/2004 9:30	STATION 5	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.063-0.125mm	9	% vol <2mm	A		
3/25/2004 9:30	STATION 5	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.125-0.25 mm	61.8	% vol <2mm	A		
3/25/2004 9:30	STATION 5	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.25-0.5 mm	14.7	% vol <2mm	A		
3/25/2004 9:30	STATION 5	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.5-2.0 mm	1.58	% vol <2mm	A		
3/25/2004 9:30	STATION 5	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, <0.063 mm	12.8	% vol <2mm	A		
3/25/2004 9:30	STATION 5	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, >2.0 mm	1	%tot drywt	AK		
3/25/2004 9:30	STATION 5	GC-Soil	Alachlor	27	ug/kg	U	27	108
3/25/2004 9:30	STATION 5	GC-Soil	Aldrin	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:30	STATION 5	GC-Soil	Alpha-BHC	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:30	STATION 5	GC-Soil	Ametryn	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:30	STATION 5	GC-Soil	Atrazine	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:30	STATION 5	GC-Soil	Azinphos Methyl	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:30	STATION 5	GC-Soil	Beta-BHC	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:30	STATION 5	GC-Soil	Bromacil	18	ug/kg	U	18	72
3/25/2004 9:30	STATION 5	GC-Soil	Chlordane	6.7	ug/Kg	U	6.7	26.8
3/25/2004 9:30	STATION 5	GC-Soil	Chlorpyrifos Ethyl	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:30	STATION 5	GC-Soil	Chlorpyrifos Methyl	4.4	ug/kg	U	4.4	17.6
3/25/2004 9:30	STATION 5	GC-Soil	DDD-p,p'	0.89	ug/Kg	U	0.89	3.56
3/25/2004 9:30	STATION 5	GC-Soil	DDE-p,p'	0.89	ug/Kg	U	0.89	3.56
3/25/2004 9:30	STATION 5	GC-Soil	DDT-p,p'	1.3	ug/Kg	U	1.3	5.2
3/25/2004 9:30	STATION 5	GC-Soil	Delta-BHC	0.89	ug/Kg	U	0.89	3.56
3/25/2004 9:30	STATION 5	GC-Soil	Diazinon	4.4	ug/kg	UJ	4.4	17.6
3/25/2004 9:30	STATION 5	GC-Soil	Dieldrin	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:30	STATION 5	GC-Soil	Endosulfan I	0.44	ug/Kg	U	0.44	1.76

3/25/2004 9:30	STATION 5	GC-Soil	Endosulfan II	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:30	STATION 5	GC-Soil	Endosulfan Sulfate	0.89	ug/Kg	U	0.89	3.56
3/25/2004 9:30	STATION 5	GC-Soil	Endrin	2.2	ug/Kg	U	2.2	8.8
3/25/2004 9:30	STATION 5	GC-Soil	Endrin Aldehyde	0.89	ug/Kg	UJ	0.89	3.56
3/25/2004 9:30	STATION 5	GC-Soil	Ethion	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:30	STATION 5	GC-Soil	Ethoprop	4.4	ug/kg	U	4.4	17.6
3/25/2004 9:30	STATION 5	GC-Soil	Fenamiphos	18	ug/kg	U	18	72
3/25/2004 9:30	STATION 5	GC-Soil	Fonofos	4.4	ug/kg	U	4.4	17.6
3/25/2004 9:30	STATION 5	GC-Soil	Gamma-BHC	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:30	STATION 5	GC-Soil	Heptachlor	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:30	STATION 5	GC-Soil	Heptachlor Epoxide	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:30	STATION 5	GC-Soil	Hexazinone	8.9	ug/kg	U	8.9	35.6
3/25/2004 9:30	STATION 5	GC-Soil	Malathion	6.7	ug/kg	UJ	6.7	26.8
3/25/2004 9:30	STATION 5	GC-Soil	Methamidophos	22	ug/kg	UJ	22	88
3/25/2004 9:30	STATION 5	GC-Soil	Methoxychlor	2.2	ug/Kg	U	2.2	8.8
3/25/2004 9:30	STATION 5	GC-Soil	Metolachlor	22	ug/kg	U	22	88
3/25/2004 9:30	STATION 5	GC-Soil	Metribuzin	4.4	ug/kg	U	4.4	17.6
3/25/2004 9:30	STATION 5	GC-Soil	Mevinphos	8.9	ug/kg	U	8.9	35.6
3/25/2004 9:30	STATION 5	GC-Soil	Monocrotophos	44	ug/kg	UJ	44	176
3/25/2004 9:30	STATION 5	GC-Soil	Naled	36	ug/kg	U	36	144
3/25/2004 9:30	STATION 5	GC-Soil	Norflurazon	4.4	ug/kg	U	4.4	17.6
3/25/2004 9:30	STATION 5	GC-Soil	PCB-1016	13	ug/Kg	U	13	52
3/25/2004 9:30	STATION 5	GC-Soil	PCB-1221	8.9	ug/Kg	U	8.9	35.6
3/25/2004 9:30	STATION 5	GC-Soil	PCB-1232	20	ug/Kg	U	20	80
3/25/2004 9:30	STATION 5	GC-Soil	PCB-1242	13	ug/Kg	U	13	52
3/25/2004 9:30	STATION 5	GC-Soil	PCB-1248	8.9	ug/Kg	U	8.9	35.6
3/25/2004 9:30	STATION 5	GC-Soil	PCB-1254	8.9	ug/Kg	U	8.9	35.6
3/25/2004 9:30	STATION 5	GC-Soil	PCB-1260	13	ug/Kg	U	13	52
3/25/2004 9:30	STATION 5	GC-Soil	Parathion Ethyl	6.7	ug/kg	U	6.7	26.8
3/25/2004 9:30	STATION 5	GC-Soil	Parathion Methyl	6.7	ug/kg	U	6.7	26.8
3/25/2004 9:30	STATION 5	GC-Soil	Phorate	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:30	STATION 5	GC-Soil	Prometryn	6.7	ug/kg	U	6.7	26.8
3/25/2004 9:30	STATION 5	GC-Soil	Simazine	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:30	STATION 5	GC-Soil	Toxaphene	33	ug/Kg	U	33	132
3/25/2004 9:30	STATION 5	Metals-Waste	Aluminum	2200	mg/Kg		280	1100
3/25/2004 9:30	STATION 5	Metals-Waste	Cadmium	0.2	mg/Kg	IJ	0.075	0.2
3/25/2004 9:30	STATION 5	Metals-Waste	Chromium	21	mg/Kg		0.4	1.6
3/25/2004 9:30	STATION 5	Metals-Waste	Copper	5.2	mg/Kg		0.6	2.4
3/25/2004 9:30	STATION 5	Metals-Waste	Iron	2320	mg/Kg		10	40
3/25/2004 9:30	STATION 5	Metals-Waste	Lead	1	mg/Kg	U	1	4
3/25/2004 9:30	STATION 5	Metals-Waste	Nickel	7.95	mg/Kg		0.25	1
3/25/2004 9:30	STATION 5	Metals-Waste	Silver	0.15	mg/Kg	UJ	0.15	0.6
3/25/2004 9:30	STATION 5	Metals-Waste	Zinc	9.1	mg/Kg		2	8
3/25/2004 9:30	STATION 5	Nutrients-Liquid	Ammonia-N	0.049	mg N/L		0.01	0.02
3/25/2004 9:30	STATION 5	Nutrients-Liquid	NO2NO3-N	0.023	mg N/L		0.004	0.01
3/25/2004 9:30	STATION 5	Nutrients-Liquid	N_KJEL_TOT	0.7	mg N/L		0.12	0.4
3/25/2004 9:30	STATION 5	Nutrients-Liquid	O-Phosphate-P	0.022	mg P/L		0.004	0.01
3/25/2004 9:30	STATION 5	Nutrients-Liquid	TSS	4	mg/L	U	4	16
3/25/2004 9:30	STATION 5	Nutrients-Liquid	Total-P	0.061	mg P/L		0.02	0.06
3/25/2004 9:30	STATION 5	Nutrients-Liquid	Turbidity	1.7	NTU		0.05	0.05
3/25/2004 9:45	STATION 6	BNA-Waste	1,2,4-Trichlorobenzene	240	ug/kg	U	240	970
3/25/2004 9:45	STATION 6	BNA-Waste	1,2-Dichlorobenzene	240	ug/kg	U	240	970
3/25/2004 9:45	STATION 6	BNA-Waste	1,3-Dichlorobenzene	240	ug/kg	U	240	970
3/25/2004 9:45	STATION 6	BNA-Waste	1,4-Dichlorobenzene	240	ug/kg	U	240	970
3/25/2004 9:45	STATION 6	BNA-Waste	2,4,6-Trichlorophenol	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	2,4-Dichlorophenol	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	2,4-Dimethylphenol	2400	ug/kg	U	2400	9700
3/25/2004 9:45	STATION 6	BNA-Waste	2,4-Dinitrophenol	480	ug/kg	U	480	1900
3/25/2004 9:45	STATION 6	BNA-Waste	2,4-Dinitrotoluene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	2,6-Dinitrotoluene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	2-Chloronaphthalene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	2-Chlorophenol	240	ug/kg	U	240	970
3/25/2004 9:45	STATION 6	BNA-Waste	2-Methyl-4,6-dinitrophenol	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	2-Nitrophenol	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	3,3'-Dichlorobenzidine	4800	ug/kg	U	4800	19000
3/25/2004 9:45	STATION 6	BNA-Waste	4,4'-DDD	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	4,4'-DDE	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	4,4'-DDT	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	4-Bromophenyl phenyl ether	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	4-Chloro-3-methylphenol	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	4-Chlorophenyl phenyl ether	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	4-Nitrophenol	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Acenaphthene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Acenaphthylene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Aldrin	81	ug/kg	U	81	320

3/25/2004 9:45	STATION 6	BNA-Waste	Anthracene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Benzidine	1700	ug/kg	U	1700	7000
3/25/2004 9:45	STATION 6	BNA-Waste	Benzo(a)anthracene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Benzo(a)pyrene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Benzo(b)fluoranthene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Benzo(g,h,i)perylene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Benzo(k)fluoranthene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Bis(2-chloroethoxy)methane	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Bis(2-chloroethyl)ether	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Bis(2-chloroisopropyl)ether	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Bis(2-ethylhexyl)phthalate	480	ug/kg	U	480	1900
3/25/2004 9:45	STATION 6	BNA-Waste	Butyl benzyl phthalate	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Chrysene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Di-n-butyl phthalate	480	ug/kg	U	480	1900
3/25/2004 9:45	STATION 6	BNA-Waste	Di-n-octyl phthalate	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Dibenzo(a,h)anthracene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Dieldrin	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Diethyl phthalate	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Dimethyl phthalate	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Endosulfan I	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Endosulfan II	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Endosulfan sulfate	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Endrin	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Endrin aldehyde	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Fluoranthene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Fluorene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Heptachlor	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Heptachlor epoxide	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Hexachlorobenzene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Hexachlorobutadiene	240	ug/kg	U	240	970
3/25/2004 9:45	STATION 6	BNA-Waste	Hexachlorocyclopentadiene	81	ug/kg	UJ	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Hexachloroethane	240	ug/kg	U	240	970
3/25/2004 9:45	STATION 6	BNA-Waste	Indeno(1,2,3-cd)pyrene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Isophorone	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	N-Nitrosodi-n-propylamine	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	N-Nitrosodimethylamine	480	ug/kg	U	480	1900
3/25/2004 9:45	STATION 6	BNA-Waste	N-Nitrosodiphenylamine	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Naphthalene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Nitrobenzene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Pentachlorophenol	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Phenanthrene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Phenol	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	Pyrene	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	alpha-BHC	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	beta-BHC	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	delta-BHC	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	BNA-Waste	gamma-BHC	81	ug/kg	U	81	320
3/25/2004 9:45	STATION 6	Bio-AGP/LimNut	Algal Growth Potential	5.79	mg DryWt/L		0.1	0.3
3/25/2004 9:45	STATION 6	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
3/25/2004 9:45	STATION 6	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
3/25/2004 9:45	STATION 6	Bio-SedPrtSz/AFDW	Sediment % Organic	1.4	% dry wt			
3/25/2004 9:45	STATION 6	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.063-0.125mm	7.25	% vol <2mm			
3/25/2004 9:45	STATION 6	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.125-0.25 mm	59.6	% vol <2mm			
3/25/2004 9:45	STATION 6	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.25-0.5 mm	19.4	% vol <2mm			
3/25/2004 9:45	STATION 6	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.5-2.0 mm	2.15	% vol <2mm			
3/25/2004 9:45	STATION 6	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, <0.063 mm	11.6	% vol <2mm			
3/25/2004 9:45	STATION 6	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, >2.0 mm	1	%tot drywt	K		
3/25/2004 9:45	STATION 6	GC-Soil	Alachlor	27	ug/kg	U	27	108
3/25/2004 9:45	STATION 6	GC-Soil	Aldrin	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:45	STATION 6	GC-Soil	Alpha-BHC	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:45	STATION 6	GC-Soil	Ametryn	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:45	STATION 6	GC-Soil	Atrazine	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:45	STATION 6	GC-Soil	Azinphos Methyl	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:45	STATION 6	GC-Soil	Beta-BHC	0.44	ug/Kg	U	0.44	1.76

3/25/2004 9:45	STATION 6	GC-Soil	Bromacil	18	ug/kg	U	18	72
3/25/2004 9:45	STATION 6	GC-Soil	Chlordane	6.7	ug/Kg	U	6.7	26.8
3/25/2004 9:45	STATION 6	GC-Soil	Chlorpyrifos Ethyl	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:45	STATION 6	GC-Soil	Chlorpyrifos Methyl	4.4	ug/kg	U	4.4	17.6
3/25/2004 9:45	STATION 6	GC-Soil	DDD-p,p'	0.89	ug/Kg	U	0.89	3.56
3/25/2004 9:45	STATION 6	GC-Soil	DDE-p,p'	0.89	ug/Kg	U	0.89	3.56
3/25/2004 9:45	STATION 6	GC-Soil	DDT-p,p'	1.3	ug/Kg	U	1.3	5.2
3/25/2004 9:45	STATION 6	GC-Soil	Delta-BHC	0.89	ug/Kg	U	0.89	3.56
3/25/2004 9:45	STATION 6	GC-Soil	Diazinon	4.4	ug/kg	UJ	4.4	17.6
3/25/2004 9:45	STATION 6	GC-Soil	Dieldrin	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:45	STATION 6	GC-Soil	Endosulfan I	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:45	STATION 6	GC-Soil	Endosulfan II	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:45	STATION 6	GC-Soil	Endosulfan Sulfate	0.89	ug/Kg	U	0.89	3.56
3/25/2004 9:45	STATION 6	GC-Soil	Endrin	2.2	ug/Kg	U	2.2	8.8
3/25/2004 9:45	STATION 6	GC-Soil	Endrin Aldehyde	0.89	ug/Kg	UJ	0.89	3.56
3/25/2004 9:45	STATION 6	GC-Soil	Ethion	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:45	STATION 6	GC-Soil	Ethoprop	4.4	ug/kg	U	4.4	17.6
3/25/2004 9:45	STATION 6	GC-Soil	Fenamiphos	18	ug/kg	U	18	72
3/25/2004 9:45	STATION 6	GC-Soil	Fonofos	4.4	ug/kg	U	4.4	17.6
3/25/2004 9:45	STATION 6	GC-Soil	Gamma-BHC	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:45	STATION 6	GC-Soil	Heptachlor	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:45	STATION 6	GC-Soil	Heptachlor Epoxide	0.44	ug/Kg	U	0.44	1.76
3/25/2004 9:45	STATION 6	GC-Soil	Hexazinone	8.9	ug/kg	U	8.9	35.6
3/25/2004 9:45	STATION 6	GC-Soil	Malathion	6.7	ug/kg	UJ	6.7	26.8
3/25/2004 9:45	STATION 6	GC-Soil	Methamidophos	22	ug/kg	UJ	22	88
3/25/2004 9:45	STATION 6	GC-Soil	Methoxychlor	2.2	ug/Kg	U	2.2	8.8
3/25/2004 9:45	STATION 6	GC-Soil	Metolachlor	22	ug/kg	U	22	88
3/25/2004 9:45	STATION 6	GC-Soil	Metribuzin	4.4	ug/kg	U	4.4	17.6
3/25/2004 9:45	STATION 6	GC-Soil	Mevinphos	8.9	ug/kg	U	8.9	35.6
3/25/2004 9:45	STATION 6	GC-Soil	Monocrotophos	44	ug/kg	UJ	44	176
3/25/2004 9:45	STATION 6	GC-Soil	Naled	36	ug/kg	U	36	144
3/25/2004 9:45	STATION 6	GC-Soil	Norflurazon	4.4	ug/kg	U	4.4	17.6
3/25/2004 9:45	STATION 6	GC-Soil	PCB-1016	13	ug/Kg	U	13	52
3/25/2004 9:45	STATION 6	GC-Soil	PCB-1221	8.9	ug/Kg	U	8.9	35.6
3/25/2004 9:45	STATION 6	GC-Soil	PCB-1232	20	ug/Kg	U	20	80
3/25/2004 9:45	STATION 6	GC-Soil	PCB-1242	13	ug/Kg	U	13	52
3/25/2004 9:45	STATION 6	GC-Soil	PCB-1248	8.9	ug/Kg	U	8.9	35.6
3/25/2004 9:45	STATION 6	GC-Soil	PCB-1254	8.9	ug/Kg	U	8.9	35.6
3/25/2004 9:45	STATION 6	GC-Soil	PCB-1260	13	ug/Kg	U	13	52
3/25/2004 9:45	STATION 6	GC-Soil	Parathion Ethyl	6.7	ug/kg	U	6.7	26.8
3/25/2004 9:45	STATION 6	GC-Soil	Parathion Methyl	6.7	ug/kg	U	6.7	26.8
3/25/2004 9:45	STATION 6	GC-Soil	Phorate	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:45	STATION 6	GC-Soil	Prometryn	6.7	ug/kg	U	6.7	26.8
3/25/2004 9:45	STATION 6	GC-Soil	Simazine	2.2	ug/kg	U	2.2	8.8
3/25/2004 9:45	STATION 6	GC-Soil	Toxaphene	33	ug/Kg	U	33	132
3/25/2004 9:45	STATION 6	Metals-Waste	Aluminum	2300	mg/Kg		270	1100
3/25/2004 9:45	STATION 6	Metals-Waste	Cadmium	0.2	mg/Kg	IJ	0.072	0.2
3/25/2004 9:45	STATION 6	Metals-Waste	Chromium	26.7	mg/Kg		0.38	1.5
3/25/2004 9:45	STATION 6	Metals-Waste	Copper	5.3	mg/Kg		0.58	2.3
3/25/2004 9:45	STATION 6	Metals-Waste	Iron	2590	mg/Kg		9.6	38
3/25/2004 9:45	STATION 6	Metals-Waste	Lead	0.96	mg/Kg	U	0.96	3.8
3/25/2004 9:45	STATION 6	Metals-Waste	Nickel	10.6	mg/Kg		0.24	0.96
3/25/2004 9:45	STATION 6	Metals-Waste	Silver	0.14	mg/Kg	UJ	0.14	0.58
3/25/2004 9:45	STATION 6	Metals-Waste	Zinc	9.3	mg/Kg		1.9	7.7
3/25/2004 9:45	STATION 6	Nutrients-Liquid	Ammonia-N	0.045	mg N/L		0.01	0.02
3/25/2004 9:45	STATION 6	Nutrients-Liquid	NO2NO3-N	0.022	mg N/L		0.004	0.01
3/25/2004 9:45	STATION 6	Nutrients-Liquid	N_KJEL_TOT	0.72	mg N/L		0.12	0.4
3/25/2004 9:45	STATION 6	Nutrients-Liquid	O-Phosphate-P	0.024	mg P/L		0.004	0.01
3/25/2004 9:45	STATION 6	Nutrients-Liquid	TSS	4	mg/L	U	4	16
3/25/2004 9:45	STATION 6	Nutrients-Liquid	Total-P	0.048	mg P/L	I	0.02	0.06
3/25/2004 9:45	STATION 6	Nutrients-Liquid	Turbidity	2.2	NTU		0.05	0.05
3/25/2004 11:50	DW-032504-1C	Nutrients-Liquid	NO2NO3-N	0.75	mg N/L		0.04	0.1
3/25/2004 11:50	DW-032504-1C	Nutrients-Liquid	N_KJEL_TOT	1.2	mg N/L		0.12	0.4
3/25/2004 11:50	DW-032504-1C	Nutrients-Liquid	Total-P	0.5	mg P/L		0.02	0.06
3/25/2004 12:00	STATION 1	BNA-Waste	1,2,4-Trichlorobenzene	240	ug/kg	U	240	950
3/25/2004 12:00	STATION 1	BNA-Waste	1,2-Dichlorobenzene	240	ug/kg	U	240	950
3/25/2004 12:00	STATION 1	BNA-Waste	1,3-Dichlorobenzene	240	ug/kg	U	240	950
3/25/2004 12:00	STATION 1	BNA-Waste	1,4-Dichlorobenzene	240	ug/kg	U	240	950
3/25/2004 12:00	STATION 1	BNA-Waste	2,4,6-Trichlorophenol	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	2,4-Dichlorophenol	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	2,4-Dimethylphenol	2400	ug/kg	U	2400	9500
3/25/2004 12:00	STATION 1	BNA-Waste	2,4-Dinitrophenol	480	ug/kg	U	480	1900

3/25/2004 12:00	STATION 1	BNA-Waste	2,4-Dinitrotoluene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	2,6-Dinitrotoluene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	2-Chloronaphthalene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	2-Chlorophenol	240	ug/kg	U	240	950
3/25/2004 12:00	STATION 1	BNA-Waste	2-Methyl-4,6-dinitrophenol	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	2-Nitrophenol	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	3,3'-Dichlorobenzidine	4800	ug/kg	U	4800	19000
3/25/2004 12:00	STATION 1	BNA-Waste	4,4'-DDD	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	4,4'-DDE	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	4,4'-DDT	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	4-Bromophenyl phenyl ether	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	4-Chloro-3-methylphenol	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	4-Chlorophenyl phenyl ether	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	4-Nitrophenol	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Acenaphthene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Acenaphthylene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Aldrin	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Anthracene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Benzidine	1700	ug/kg	U	1700	6900
3/25/2004 12:00	STATION 1	BNA-Waste	Benzo(a)anthracene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Benzo(a)pyrene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Benzo(b)fluoranthene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Benzo(g,h,i)perylene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Benzo(k)fluoranthene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Bis(2-chloroethoxy)methane	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Bis(2-chloroethyl)ether	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Bis(2-chloroisopropyl)ether	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Bis(2-ethylhexyl)phthalate	480	ug/kg	U	480	1900
3/25/2004 12:00	STATION 1	BNA-Waste	Butyl benzyl phthalate	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Chrysene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Di-n-butyl phthalate	480	ug/kg	U	480	1900
3/25/2004 12:00	STATION 1	BNA-Waste	Di-n-octyl phthalate	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Dibenzo(a,h)anthracene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Dieldrin	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Diethyl phthalate	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Dimethyl phthalate	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Endosulfan I	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Endosulfan II	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Endosulfan sulfate	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Endrin	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Endrin aldehyde	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Fluoranthene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Fluorene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Heptachlor	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Heptachlor epoxide	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Hexachlorobenzene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Hexachlorobutadiene	240	ug/kg	U	240	950
3/25/2004 12:00	STATION 1	BNA-Waste	Hexachlorocyclopentadiene	79	ug/kg	UJ	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Hexachloroethane	240	ug/kg	U	240	950
3/25/2004 12:00	STATION 1	BNA-Waste	Indeno(1,2,3-cd)pyrene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Isophorone	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	N-Nitrosodi-n-propylamine	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	N-Nitrosodimethylamine	480	ug/kg	U	480	1900
3/25/2004 12:00	STATION 1	BNA-Waste	N-Nitrosodiphenylamine	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Naphthalene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Nitrobenzene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Pentachlorophenol	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Phenanthrene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Phenol	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	Pyrene	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	alpha-BHC	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	beta-BHC	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	delta-BHC	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	BNA-Waste	gamma-BHC	79	ug/kg	U	79	320
3/25/2004 12:00	STATION 1	Bio-SedPrtSz/AFDW	Sediment % Organic	2	% dry wt			
3/25/2004 12:00	STATION 1	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.063-0.125mm	6.89	% vol <2mm			
3/25/2004 12:00	STATION 1	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.125-0.25 mm	41.5	% vol <2mm			
3/25/2004 12:00	STATION 1	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.25-0.5 mm	25	% vol <2mm			
3/25/2004 12:00	STATION 1	Bio-	Sediment Particle Size, %, 0.5-2.0	12.9	% vol <2mm			

		SedPrtSz/AFDW	mm					
3/25/2004 12:00	STATION 1	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, <0.063 mm	13.7	% vol <2mm			
3/25/2004 12:00	STATION 1	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, >2.0 mm	14	%tot drywt			
3/25/2004 12:00	STATION 1	GC-Soil	Alachlor	26	ug/kg	U	26	104
3/25/2004 12:00	STATION 1	GC-Soil	Aldrin	0.44	ug/Kg	U	0.44	1.76
3/25/2004 12:00	STATION 1	GC-Soil	Alpha-BHC	0.44	ug/Kg	U	0.44	1.76
3/25/2004 12:00	STATION 1	GC-Soil	Ametryn	2.2	ug/kg	U	2.2	8.8
3/25/2004 12:00	STATION 1	GC-Soil	Atrazine	2.2	ug/kg	U	2.2	8.8
3/25/2004 12:00	STATION 1	GC-Soil	Azinphos Methyl	2.2	ug/kg	U	2.2	8.8
3/25/2004 12:00	STATION 1	GC-Soil	Beta-BHC	0.44	ug/Kg	U	0.44	1.76
3/25/2004 12:00	STATION 1	GC-Soil	Bromacil	17	ug/kg	U	17	68
3/25/2004 12:00	STATION 1	GC-Soil	Chlordane	6.6	ug/Kg	U	6.6	26.4
3/25/2004 12:00	STATION 1	GC-Soil	Chlorpyrifos Ethyl	2.2	ug/kg	U	2.2	8.8
3/25/2004 12:00	STATION 1	GC-Soil	Chlorpyrifos Methyl	4.4	ug/kg	U	4.4	17.6
3/25/2004 12:00	STATION 1	GC-Soil	DDD-p,p'	0.87	ug/Kg	U	0.87	3.48
3/25/2004 12:00	STATION 1	GC-Soil	DDE-p,p'	0.87	ug/Kg	U	0.87	3.48
3/25/2004 12:00	STATION 1	GC-Soil	DDT-p,p'	1.3	ug/Kg	U	1.3	5.2
3/25/2004 12:00	STATION 1	GC-Soil	Delta-BHC	0.87	ug/Kg	U	0.87	3.48
3/25/2004 12:00	STATION 1	GC-Soil	Diazinon	4.4	ug/kg	UJ	4.4	17.6
3/25/2004 12:00	STATION 1	GC-Soil	Dieldrin	0.44	ug/Kg	U	0.44	1.76
3/25/2004 12:00	STATION 1	GC-Soil	Endosulfan I	0.44	ug/Kg	U	0.44	1.76
3/25/2004 12:00	STATION 1	GC-Soil	Endosulfan II	0.44	ug/Kg	U	0.44	1.76
3/25/2004 12:00	STATION 1	GC-Soil	Endosulfan Sulfate	0.87	ug/Kg	U	0.87	3.48
3/25/2004 12:00	STATION 1	GC-Soil	Endrin	2.2	ug/Kg	U	2.2	8.8
3/25/2004 12:00	STATION 1	GC-Soil	Endrin Aldehyde	0.87	ug/Kg	UJ	0.87	3.48
3/25/2004 12:00	STATION 1	GC-Soil	Ethion	2.2	ug/kg	U	2.2	8.8
3/25/2004 12:00	STATION 1	GC-Soil	Ethoprop	4.4	ug/kg	U	4.4	17.6
3/25/2004 12:00	STATION 1	GC-Soil	Fenamiphos	17	ug/kg	U	17	68
3/25/2004 12:00	STATION 1	GC-Soil	Fonofos	4.4	ug/kg	U	4.4	17.6
3/25/2004 12:00	STATION 1	GC-Soil	Gamma-BHC	0.44	ug/Kg	U	0.44	1.76
3/25/2004 12:00	STATION 1	GC-Soil	Heptachlor	0.44	ug/Kg	U	0.44	1.76
3/25/2004 12:00	STATION 1	GC-Soil	Heptachlor Epoxide	0.44	ug/Kg	U	0.44	1.76
3/25/2004 12:00	STATION 1	GC-Soil	Hexazinone	8.7	ug/kg	U	8.7	34.8
3/25/2004 12:00	STATION 1	GC-Soil	Malathion	6.6	ug/kg	UJ	6.6	26.4
3/25/2004 12:00	STATION 1	GC-Soil	Methamidophos	22	ug/kg	UJ	22	88
3/25/2004 12:00	STATION 1	GC-Soil	Methoxychlor	2.2	ug/Kg	U	2.2	8.8
3/25/2004 12:00	STATION 1	GC-Soil	Metolachlor	22	ug/kg	U	22	88
3/25/2004 12:00	STATION 1	GC-Soil	Metribuzin	4.4	ug/kg	U	4.4	17.6
3/25/2004 12:00	STATION 1	GC-Soil	Mevinphos	8.7	ug/kg	U	8.7	34.8
3/25/2004 12:00	STATION 1	GC-Soil	Monocrotophos	44	ug/kg	UJ	44	176
3/25/2004 12:00	STATION 1	GC-Soil	Naled	35	ug/kg	U	35	140
3/25/2004 12:00	STATION 1	GC-Soil	Norflurazon	4.4	ug/kg	U	4.4	17.6
3/25/2004 12:00	STATION 1	GC-Soil	PCB-1016	13	ug/Kg	U	13	52
3/25/2004 12:00	STATION 1	GC-Soil	PCB-1221	8.7	ug/Kg	U	8.7	34.8
3/25/2004 12:00	STATION 1	GC-Soil	PCB-1232	20	ug/Kg	U	20	80
3/25/2004 12:00	STATION 1	GC-Soil	PCB-1242	13	ug/Kg	U	13	52
3/25/2004 12:00	STATION 1	GC-Soil	PCB-1248	8.7	ug/Kg	U	8.7	34.8
3/25/2004 12:00	STATION 1	GC-Soil	PCB-1254	8.7	ug/Kg	U	8.7	34.8
3/25/2004 12:00	STATION 1	GC-Soil	PCB-1260	13	ug/Kg	U	13	52
3/25/2004 12:00	STATION 1	GC-Soil	Parathion Ethyl	6.6	ug/kg	U	6.6	26.4
3/25/2004 12:00	STATION 1	GC-Soil	Parathion Methyl	6.6	ug/kg	U	6.6	26.4
3/25/2004 12:00	STATION 1	GC-Soil	Phorate	2.2	ug/kg	U	2.2	8.8
3/25/2004 12:00	STATION 1	GC-Soil	Prometryn	6.6	ug/kg	U	6.6	26.4
3/25/2004 12:00	STATION 1	GC-Soil	Simazine	2.2	ug/kg	U	2.2	8.8
3/25/2004 12:00	STATION 1	GC-Soil	Toxaphene	33	ug/Kg	U	33	132
3/25/2004 12:00	STATION 1	Metals-Waste	Aluminum	2800	mg/Kg	A	270	2800
3/25/2004 12:00	STATION 1	Metals-Waste	Cadmium	0.48	mg/Kg	AJ	0.073	0.29
3/25/2004 12:00	STATION 1	Metals-Waste	Chromium	20.3	mg/Kg	A	0.39	1.6
3/25/2004 12:00	STATION 1	Metals-Waste	Copper	7.7	mg/Kg	A	0.58	2.3
3/25/2004 12:00	STATION 1	Metals-Waste	Iron	4690	mg/Kg	A	9.7	39
3/25/2004 12:00	STATION 1	Metals-Waste	Lead	5.5	mg/Kg	AJ	0.97	3.9
3/25/2004 12:00	STATION 1	Metals-Waste	Nickel	7.08	mg/Kg	A	0.24	0.97
3/25/2004 12:00	STATION 1	Metals-Waste	Silver	0.15	mg/Kg	UJ	0.15	0.58
3/25/2004 12:00	STATION 1	Metals-Waste	Zinc	13	mg/Kg	A	1.9	7.8
3/25/2004 12:15	DW-032504-1G	BNA-Water	1,2,4-Trichlorobenzene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	1,2-Dichlorobenzene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	1,3-Dichlorobenzene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	1,4-Dichlorobenzene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-	BNA-Water	2,4,6-Trichlorophenol	1	ug/L	U	1	4.1

3/25/2004 12:15	DW-032504-1G	BNA-Water	2,4-Dichlorophenol	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	2,4-Dimethylphenol	51	ug/L	U	51	200
3/25/2004 12:15	DW-032504-1G	BNA-Water	2,4-Dinitrophenol	15	ug/L	U	15	61
3/25/2004 12:15	DW-032504-1G	BNA-Water	2,4-Dinitrotoluene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	2,6-Dinitrotoluene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	2-Chloronaphthalene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	2-Chlorophenol	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	2-Methyl-4,6-dinitrophenol	3.1	ug/L	U	3.1	12
3/25/2004 12:15	DW-032504-1G	BNA-Water	2-Nitrophenol	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	3,3'-Dichlorobenzidine	41	ug/L	U	41	160
3/25/2004 12:15	DW-032504-1G	BNA-Water	4,4'-DDD	1.5	ug/L	U	1.5	6.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	4,4'-DDE	1.5	ug/L	U	1.5	6.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	4,4'-DDT	1.5	ug/L	U	1.5	6.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	4-Bromophenyl phenyl ether	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	4-Chloro-3-methylphenol	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	4-Chlorophenyl phenyl ether	2	ug/L	U	2	8.2
3/25/2004 12:15	DW-032504-1G	BNA-Water	4-Nitrophenol	15	ug/L	U	15	61
3/25/2004 12:15	DW-032504-1G	BNA-Water	Acenaphthene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Acenaphthylene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Aldrin	1.5	ug/L	U	1.5	6.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Anthracene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Benzidine	100	ug/L	U	100	410
3/25/2004 12:15	DW-032504-1G	BNA-Water	Benzo(a)anthracene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Benzo(a)pyrene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Benzo(b)fluoranthene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Benzo(g,h,i)perylene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Benzo(k)fluoranthene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Bis(2-chloroethoxy)methane	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Bis(2-chloroethyl)ether	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Bis(2-chloroisopropyl)ether	3.1	ug/L	U	3.1	12
3/25/2004 12:15	DW-032504-1G	BNA-Water	Bis(2-ethylhexyl)phthalate	15	ug/L	U	15	61
3/25/2004 12:15	DW-032504-1G	BNA-Water	Butyl benzyl phthalate	5.1	ug/L	U	5.1	20
3/25/2004 12:15	DW-032504-1G	BNA-Water	Chrysene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Di-n-butyl phthalate	5.1	ug/L	U	5.1	20
3/25/2004 12:15	DW-032504-1G	BNA-Water	Di-n-octyl phthalate	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Dibenzo(a,h)anthracene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Dieldrin	1.5	ug/L	U	1.5	6.1

3/25/2004 12:15	DW-032504-1G	BNA-Water	Diethyl phthalate	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Dimethyl phthalate	51	ug/L	U	51	200
3/25/2004 12:15	DW-032504-1G	BNA-Water	Endosulfan I	4.1	ug/L	U	4.1	16
3/25/2004 12:15	DW-032504-1G	BNA-Water	Endosulfan II	4.1	ug/L	U	4.1	16
3/25/2004 12:15	DW-032504-1G	BNA-Water	Endosulfan sulfate	1.5	ug/L	U	1.5	6.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Endrin	1.5	ug/L	U	1.5	6.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Endrin aldehyde	4.1	ug/L	U	4.1	16
3/25/2004 12:15	DW-032504-1G	BNA-Water	Fluoranthene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Fluorene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Heptachlor	1.5	ug/L	U	1.5	6.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Heptachlor epoxide	1.5	ug/L	U	1.5	6.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Hexachlorobenzene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Hexachlorobutadiene	3.1	ug/L	U	3.1	12
3/25/2004 12:15	DW-032504-1G	BNA-Water	Hexachlorocyclopentadiene	3.1	ug/L	UJ	3.1	12
3/25/2004 12:15	DW-032504-1G	BNA-Water	Hexachloroethane	3.1	ug/L	U	3.1	12
3/25/2004 12:15	DW-032504-1G	BNA-Water	Indeno(1,2,3-cd)pyrene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Isophorone	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	N-Nitrosodi-n-propylamine	2	ug/L	U	2	8.2
3/25/2004 12:15	DW-032504-1G	BNA-Water	N-Nitrosodimethylamine	2	ug/L	U	2	8.2
3/25/2004 12:15	DW-032504-1G	BNA-Water	N-Nitrosodiphenylamine	3.1	ug/L	U	3.1	12
3/25/2004 12:15	DW-032504-1G	BNA-Water	Naphthalene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Nitrobenzene	2	ug/L	U	2	8.2
3/25/2004 12:15	DW-032504-1G	BNA-Water	Pentachlorophenol	3.1	ug/L	U	3.1	12
3/25/2004 12:15	DW-032504-1G	BNA-Water	Phenanthrene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Phenol	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	Pyrene	1	ug/L	U	1	4.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	alpha-BHC	1.5	ug/L	U	1.5	6.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	beta-BHC	1.5	ug/L	U	1.5	6.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	delta-BHC	1.5	ug/L	U	1.5	6.1
3/25/2004 12:15	DW-032504-1G	BNA-Water	gamma-BHC	1.5	ug/L	U	1.5	6.1
3/25/2004 12:15	DW-032504-1G	Bio-AGP/LimNut	Algal Growth Potential	7.01	mg DryWt/L		0.1	0.3
3/25/2004 12:15	DW-032504-1G	GC-Water	Alachlor	0.63	ug/L	UJ	0.63	2.52
3/25/2004 12:15	DW-032504-1G	GC-Water	Aldrin	0.01	ug/L	U	0.01	0.04
3/25/2004 12:15	DW-032504-1G	GC-Water	Alpha-BHC	0.01	ug/L	U	0.01	0.04
3/25/2004 12:15	DW-032504-1G	GC-Water	Ametryn	0.053	ug/L	U	0.053	0.212
3/25/2004 12:15	DW-032504-1G	GC-Water	Atrazine	0.28	ug/L		0.053	0.212
3/25/2004 12:15	DW-032504-1G	GC-Water	Azinphos Methyl	0.053	ug/L	U	0.053	0.212
3/25/2004 12:15	DW-032504-	GC-Water	Beta-BHC	0.01	ug/L	U	0.01	0.04

3/25/2004 12:15	DW-032504-1G	GC-Water	Bromacil	0.21	ug/L	U	0.21	0.84
3/25/2004 12:15	DW-032504-1G	GC-Water	Butylate	0.21	ug/L	U	0.21	0.84
3/25/2004 12:15	DW-032504-1G	GC-Water	Chlordane	0.21	ug/L	U	0.21	0.84
3/25/2004 12:15	DW-032504-1G	GC-Water	Chlorpyrifos Ethyl	0.053	ug/L	U	0.053	0.212
3/25/2004 12:15	DW-032504-1G	GC-Water	Chlorpyrifos Methyl	0.1	ug/L	U	0.1	0.4
3/25/2004 12:15	DW-032504-1G	GC-Water	DDD-p,p'	0.021	ug/L	U	0.021	0.084
3/25/2004 12:15	DW-032504-1G	GC-Water	DDE-p,p'	0.021	ug/L	U	0.021	0.084
3/25/2004 12:15	DW-032504-1G	GC-Water	DDT-p,p'	0.032	ug/L	U	0.032	0.128
3/25/2004 12:15	DW-032504-1G	GC-Water	Delta-BHC	0.01	ug/L	U	0.01	0.04
3/25/2004 12:15	DW-032504-1G	GC-Water	Diazinon	0.053	ug/L	U	0.053	0.212
3/25/2004 12:15	DW-032504-1G	GC-Water	Dieldrin	0.021	ug/L	U	0.021	0.084
3/25/2004 12:15	DW-032504-1G	GC-Water	Endosulfan I	0.021	ug/L	U	0.021	0.084
3/25/2004 12:15	DW-032504-1G	GC-Water	Endosulfan II	0.021	ug/L	U	0.021	0.084
3/25/2004 12:15	DW-032504-1G	GC-Water	Endosulfan Sulfate	0.021	ug/L	U	0.021	0.084
3/25/2004 12:15	DW-032504-1G	GC-Water	Endrin	0.053	ug/L	U	0.053	0.212
3/25/2004 12:15	DW-032504-1G	GC-Water	Endrin Aldehyde	0.021	ug/L	U	0.021	0.084
3/25/2004 12:15	DW-032504-1G	GC-Water	Ethion	0.053	ug/L	U	0.053	0.212
3/25/2004 12:15	DW-032504-1G	GC-Water	Ethoprop	0.1	ug/L	U	0.1	0.4
3/25/2004 12:15	DW-032504-1G	GC-Water	Fenamiphos	0.21	ug/L	U	0.21	0.84
3/25/2004 12:15	DW-032504-1G	GC-Water	Fonofos	0.1	ug/L	U	0.1	0.4
3/25/2004 12:15	DW-032504-1G	GC-Water	Gamma-BHC	0.01	ug/L	U	0.01	0.04
3/25/2004 12:15	DW-032504-1G	GC-Water	Heptachlor	0.01	ug/L	U	0.01	0.04
3/25/2004 12:15	DW-032504-1G	GC-Water	Heptachlor Epoxide	0.021	ug/L	U	0.021	0.084
3/25/2004 12:15	DW-032504-1G	GC-Water	Hexazinone	0.1	ug/L	U	0.1	0.4
3/25/2004 12:15	DW-032504-1G	GC-Water	Malathion	0.16	ug/L	U	0.16	0.64
3/25/2004 12:15	DW-032504-1G	GC-Water	Metalaxyl	0.26	ug/L	U	0.26	1.04
3/25/2004 12:15	DW-032504-1G	GC-Water	Methoxychlor	0.053	ug/L	U	0.053	0.212
3/25/2004 12:15	DW-032504-1G	GC-Water	Metolachlor	0.53	ug/L	UJ	0.53	2.12
3/25/2004 12:15	DW-032504-1G	GC-Water	Metribuzin	0.1	ug/L	U	0.1	0.4
3/25/2004 12:15	DW-032504-1G	GC-Water	Mevinphos	0.21	ug/L	UJ	0.21	0.84
3/25/2004 12:15	DW-032504-1G	GC-Water	Naled	0.84	ug/L	UJ	0.84	3.36
3/25/2004 12:15	DW-032504-1G	GC-Water	Norflurazon	0.1	ug/L	U	0.1	0.4
3/25/2004 12:15	DW-032504-1G	GC-Water	PCB-1016	0.21	ug/L	U	0.21	0.84
3/25/2004 12:15	DW-032504-1G	GC-Water	PCB-1221	0.21	ug/L	U	0.21	0.84
3/25/2004 12:15	DW-032504-1G	GC-Water	PCB-1232	0.21	ug/L	U	0.21	0.84
3/25/2004 12:15	DW-032504-1G	GC-Water	PCB-1242	0.32	ug/L	U	0.32	1.28
3/25/2004 12:15	DW-032504-1G	GC-Water	PCB-1248	0.21	ug/L	U	0.21	0.84

3/25/2004 12:15	DW-032504-1G	GC-Water	PCB-1254	0.32	ug/L	U	0.32	1.28
3/25/2004 12:15	DW-032504-1G	GC-Water	PCB-1260	0.21	ug/L	U	0.21	0.84
3/25/2004 12:15	DW-032504-1G	GC-Water	Parathion Ethyl	0.16	ug/L	U	0.16	0.64
3/25/2004 12:15	DW-032504-1G	GC-Water	Parathion Methyl	0.1	ug/L	U	0.1	0.4
3/25/2004 12:15	DW-032504-1G	GC-Water	Phorate	0.053	ug/L	U	0.053	0.212
3/25/2004 12:15	DW-032504-1G	GC-Water	Prometryn	0.16	ug/L	UJ	0.16	0.64
3/25/2004 12:15	DW-032504-1G	GC-Water	Simazine	0.053	ug/L	U	0.053	0.212
3/25/2004 12:15	DW-032504-1G	GC-Water	Toxaphene	0.79	ug/L	U	0.79	3.16
3/25/2004 12:15	DW-032504-1G	Metals-Water	Aluminum	23	ug/L	I	7	28
3/25/2004 12:15	DW-032504-1G	Metals-Water	Arsenic	9	ug/L	U	9	36
3/25/2004 12:15	DW-032504-1G	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
3/25/2004 12:15	DW-032504-1G	Metals-Water	Calcium	53.1	mg/L		0.05	0.2
3/25/2004 12:15	DW-032504-1G	Metals-Water	Chromium	2	ug/L	U	2	8
3/25/2004 12:15	DW-032504-1G	Metals-Water	Copper	1.9	ug/L	I	1	4
3/25/2004 12:15	DW-032504-1G	Metals-Water	Iron	111	ug/L		10	40
3/25/2004 12:15	DW-032504-1G	Metals-Water	Lead	0.2	ug/L	U	0.2	0.8
3/25/2004 12:15	DW-032504-1G	Metals-Water	Magnesium	32.5	mg/L		0.02	0.08
3/25/2004 12:15	DW-032504-1G	Metals-Water	Nickel	4	ug/L	U	4	16
3/25/2004 12:15	DW-032504-1G	Metals-Water	Selenium	5.6	ug/L	U	5.6	22
3/25/2004 12:15	DW-032504-1G	Metals-Water	Silver	0.049	ug/L	I	0.02	0.08
3/25/2004 12:15	DW-032504-1G	Metals-Water	Zinc	48	ug/L		5	20
3/25/2004 12:15	DW-032504-1G	Nutrients-Liquid	Ammonia-N	0.043	mg N/L		0.01	0.02
3/25/2004 12:15	DW-032504-1G	Nutrients-Liquid	NO2NO3-N	0.74	mg N/L		0.04	0.1
3/25/2004 12:15	DW-032504-1G	Nutrients-Liquid	N_KJEL_TOT	1.2	mg N/L		0.12	0.4
3/25/2004 12:15	DW-032504-1G	Nutrients-Liquid	O-Phosphate-P	0.45	mg P/L		0.02	0.05
3/25/2004 12:15	DW-032504-1G	Nutrients-Liquid	TSS	4	mg/L	U	4	16
3/25/2004 12:15	DW-032504-1G	Nutrients-Liquid	Total-P	0.48	mg P/L		0.02	0.06
3/25/2004 12:15	DW-032504-1G	Overflow	Oil and Grease	0.71	mg/l	I		
3/25/2004 13:30	STATION 2	BNA-Waste	1,2,4-Trichlorobenzene	240	ug/kg	U	240	980
3/25/2004 13:30	STATION 2	BNA-Waste	1,2-Dichlorobenzene	240	ug/kg	U	240	980
3/25/2004 13:30	STATION 2	BNA-Waste	1,3-Dichlorobenzene	240	ug/kg	U	240	980
3/25/2004 13:30	STATION 2	BNA-Waste	1,4-Dichlorobenzene	240	ug/kg	U	240	980
3/25/2004 13:30	STATION 2	BNA-Waste	2,4,6-Trichlorophenol	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	2,4-Dichlorophenol	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	2,4-Dimethylphenol	2400	ug/kg	U	2400	9800
3/25/2004 13:30	STATION 2	BNA-Waste	2,4-Dinitrophenol	490	ug/kg	U	490	2000
3/25/2004 13:30	STATION 2	BNA-Waste	2,4-Dinitrotoluene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	2,6-Dinitrotoluene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	2-Chloronaphthalene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	2-Chlorophenol	240	ug/kg	U	240	980
3/25/2004 13:30	STATION 2	BNA-Waste	2-Methyl-4,6-dinitrophenol	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	2-Nitrophenol	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	3,3'-Dichlorobenzidine	4900	ug/kg	U	4900	20000
3/25/2004 13:30	STATION 2	BNA-Waste	4,4'-DDD	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	4,4'-DDE	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	4,4'-DDT	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	4-Bromophenyl phenyl ether	81	ug/kg	U	81	330

3/25/2004 13:30	STATION 2	BNA-Waste	4-Chloro-3-methylphenol	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	4-Chlorophenyl phenyl ether	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	4-Nitrophenol	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Acenaphthene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Acenaphthylene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Aldrin	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Anthracene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Benzidine	1800	ug/kg	U	1800	7100
3/25/2004 13:30	STATION 2	BNA-Waste	Benzo(a)anthracene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Benzo(a)pyrene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Benzo(b)fluoranthene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Benzo(g,h,i)perylene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Benzo(k)fluoranthene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Bis(2-chloroethoxy)methane	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Bis(2-chloroethyl)ether	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Bis(2-chloroisopropyl)ether	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Bis(2-ethylhexyl)phthalate	490	ug/kg	U	490	2000
3/25/2004 13:30	STATION 2	BNA-Waste	Butyl benzyl phthalate	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Chrysene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Di-n-butyl phthalate	490	ug/kg	U	490	2000
3/25/2004 13:30	STATION 2	BNA-Waste	Di-n-octyl phthalate	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Dibenzo(a,h)anthracene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Dieldrin	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Diethyl phthalate	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Dimethyl phthalate	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Endosulfan I	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Endosulfan II	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Endosulfan sulfate	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Endrin	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Endrin aldehyde	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Fluoranthene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Fluorene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Heptachlor	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Heptachlor epoxide	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Hexachlorobenzene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Hexachlorobutadiene	240	ug/kg	U	240	980
3/25/2004 13:30	STATION 2	BNA-Waste	Hexachlorocyclopentadiene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Hexachloroethane	240	ug/kg	U	240	980
3/25/2004 13:30	STATION 2	BNA-Waste	Indeno(1,2,3-cd)pyrene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Isophorone	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	N-Nitrosodi-n-propylamine	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	N-Nitrosodimethylamine	490	ug/kg	U	490	2000
3/25/2004 13:30	STATION 2	BNA-Waste	N-Nitrosodiphenylamine	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Naphthalene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Nitrobenzene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Pentachlorophenol	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Phenanthrene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Phenol	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	Pyrene	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	alpha-BHC	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	beta-BHC	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	delta-BHC	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	BNA-Waste	gamma-BHC	81	ug/kg	U	81	330
3/25/2004 13:30	STATION 2	Bio-SedPrtSz/AFDW	Sediment % Organic	1.6	% dry wt			
3/25/2004 13:30	STATION 2	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.063-0.125mm	7.62	% vol <2mm			
3/25/2004 13:30	STATION 2	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.125-0.25 mm	57.4	% vol <2mm			
3/25/2004 13:30	STATION 2	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.25-0.5 mm	19.1	% vol <2mm			
3/25/2004 13:30	STATION 2	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.5-2.0 mm	2.05	% vol <2mm			
3/25/2004 13:30	STATION 2	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, <0.063 mm	13.8	% vol <2mm			
3/25/2004 13:30	STATION 2	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, >2.0 mm	1	%tot drywt	K		
3/25/2004 13:30	STATION 2	GC-Soil	Alachlor	27	ug/kg	U	27	108
3/25/2004 13:30	STATION 2	GC-Soil	Aldrin	0.45	ug/Kg	U	0.45	1.8
3/25/2004 13:30	STATION 2	GC-Soil	Alpha-BHC	0.45	ug/Kg	U	0.45	1.8
3/25/2004 13:30	STATION 2	GC-Soil	Ametryn	2.2	ug/kg	U	2.2	8.8
3/25/2004 13:30	STATION 2	GC-Soil	Atrazine	2.2	ug/kg	U	2.2	8.8
3/25/2004 13:30	STATION 2	GC-Soil	Azinphos Methyl	2.2	ug/kg	U	2.2	8.8

3/25/2004 13:30	STATION 2	GC-Soil	Beta-BHC	0.45	ug/Kg	U	0.45	1.8
3/25/2004 13:30	STATION 2	GC-Soil	Bromacil	18	ug/kg	U	18	72
3/25/2004 13:30	STATION 2	GC-Soil	Chlordane	6.7	ug/Kg	U	6.7	26.8
3/25/2004 13:30	STATION 2	GC-Soil	Chlorpyrifos Ethyl	2.2	ug/kg	U	2.2	8.8
3/25/2004 13:30	STATION 2	GC-Soil	Chlorpyrifos Methyl	4.5	ug/kg	U	4.5	18
3/25/2004 13:30	STATION 2	GC-Soil	DDD-p,p'	0.9	ug/Kg	U	0.9	3.6
3/25/2004 13:30	STATION 2	GC-Soil	DDE-p,p'	0.9	ug/Kg	U	0.9	3.6
3/25/2004 13:30	STATION 2	GC-Soil	DDT-p,p'	1.3	ug/Kg	U	1.3	5.2
3/25/2004 13:30	STATION 2	GC-Soil	Delta-BHC	0.9	ug/Kg	U	0.9	3.6
3/25/2004 13:30	STATION 2	GC-Soil	Diazinon	4.5	ug/kg	UJ	4.5	18
3/25/2004 13:30	STATION 2	GC-Soil	Dieldrin	0.45	ug/Kg	U	0.45	1.8
3/25/2004 13:30	STATION 2	GC-Soil	Endosulfan I	0.45	ug/Kg	U	0.45	1.8
3/25/2004 13:30	STATION 2	GC-Soil	Endosulfan II	0.45	ug/Kg	U	0.45	1.8
3/25/2004 13:30	STATION 2	GC-Soil	Endosulfan Sulfate	0.9	ug/Kg	U	0.9	3.6
3/25/2004 13:30	STATION 2	GC-Soil	Endrin	2.2	ug/Kg	U	2.2	8.8
3/25/2004 13:30	STATION 2	GC-Soil	Endrin Aldehyde	0.9	ug/Kg	UJ	0.9	3.6
3/25/2004 13:30	STATION 2	GC-Soil	Ethion	2.2	ug/kg	U	2.2	8.8
3/25/2004 13:30	STATION 2	GC-Soil	Ethoprop	4.5	ug/kg	U	4.5	18
3/25/2004 13:30	STATION 2	GC-Soil	Fenamiphos	18	ug/kg	U	18	72
3/25/2004 13:30	STATION 2	GC-Soil	Fonofos	4.5	ug/kg	U	4.5	18
3/25/2004 13:30	STATION 2	GC-Soil	Gamma-BHC	0.45	ug/Kg	U	0.45	1.8
3/25/2004 13:30	STATION 2	GC-Soil	Heptachlor	0.45	ug/Kg	U	0.45	1.8
3/25/2004 13:30	STATION 2	GC-Soil	Heptachlor Epoxide	0.45	ug/Kg	U	0.45	1.8
3/25/2004 13:30	STATION 2	GC-Soil	Hexazinone	9	ug/kg	U	9	36
3/25/2004 13:30	STATION 2	GC-Soil	Malathion	6.7	ug/kg	UJ	6.7	26.8
3/25/2004 13:30	STATION 2	GC-Soil	Methamidophos	22	ug/kg	UJ	22	88
3/25/2004 13:30	STATION 2	GC-Soil	Methoxychlor	2.2	ug/Kg	U	2.2	8.8
3/25/2004 13:30	STATION 2	GC-Soil	Metolachlor	22	ug/kg	U	22	88
3/25/2004 13:30	STATION 2	GC-Soil	Metribuzin	4.5	ug/kg	U	4.5	18
3/25/2004 13:30	STATION 2	GC-Soil	Mevinphos	9	ug/kg	U	9	36
3/25/2004 13:30	STATION 2	GC-Soil	Monocrotophos	45	ug/kg	UJ	45	180
3/25/2004 13:30	STATION 2	GC-Soil	Naled	36	ug/kg	U	36	144
3/25/2004 13:30	STATION 2	GC-Soil	Norflurazon	4.5	ug/kg	U	4.5	18
3/25/2004 13:30	STATION 2	GC-Soil	PCB-1016	13	ug/Kg	U	13	52
3/25/2004 13:30	STATION 2	GC-Soil	PCB-1221	9	ug/Kg	U	9	36
3/25/2004 13:30	STATION 2	GC-Soil	PCB-1232	20	ug/Kg	U	20	80
3/25/2004 13:30	STATION 2	GC-Soil	PCB-1242	13	ug/Kg	U	13	52
3/25/2004 13:30	STATION 2	GC-Soil	PCB-1248	9	ug/Kg	U	9	36
3/25/2004 13:30	STATION 2	GC-Soil	PCB-1254	9	ug/Kg	U	9	36
3/25/2004 13:30	STATION 2	GC-Soil	PCB-1260	13	ug/Kg	U	13	52
3/25/2004 13:30	STATION 2	GC-Soil	Parathion Ethyl	6.7	ug/kg	U	6.7	26.8
3/25/2004 13:30	STATION 2	GC-Soil	Parathion Methyl	6.7	ug/kg	U	6.7	26.8
3/25/2004 13:30	STATION 2	GC-Soil	Phorate	2.2	ug/kg	U	2.2	8.8
3/25/2004 13:30	STATION 2	GC-Soil	Prometryn	6.7	ug/kg	U	6.7	26.8
3/25/2004 13:30	STATION 2	GC-Soil	Simazine	2.2	ug/kg	U	2.2	8.8
3/25/2004 13:30	STATION 2	GC-Soil	Toxaphene	34	ug/Kg	U	34	136
3/25/2004 13:30	STATION 2	Metals-Waste	Aluminum	2300	mg/Kg		280	1100
3/25/2004 13:30	STATION 2	Metals-Waste	Cadmium	0.36	mg/Kg	J	0.074	0.3
3/25/2004 13:30	STATION 2	Metals-Waste	Chromium	18.4	mg/Kg		0.39	1.6
3/25/2004 13:30	STATION 2	Metals-Waste	Copper	7.4	mg/Kg		0.59	2.4
3/25/2004 13:30	STATION 2	Metals-Waste	Iron	2920	mg/Kg		9.9	39
3/25/2004 13:30	STATION 2	Metals-Waste	Lead	1.4	mg/Kg	I	0.99	1.4
3/25/2004 13:30	STATION 2	Metals-Waste	Nickel	6.31	mg/Kg		0.25	0.99
3/25/2004 13:30	STATION 2	Metals-Waste	Silver	0.15	mg/Kg	UJ	0.15	0.59
3/25/2004 13:30	STATION 2	Metals-Waste	Zinc	12.3	mg/Kg		2	7.9
3/25/2004 14:30	STATION 3	BNA-Waste	1,2,4-Trichlorobenzene	250	ug/kg	U	250	1000
3/25/2004 14:30	STATION 3	BNA-Waste	1,2-Dichlorobenzene	250	ug/kg	U	250	1000
3/25/2004 14:30	STATION 3	BNA-Waste	1,3-Dichlorobenzene	250	ug/kg	U	250	1000
3/25/2004 14:30	STATION 3	BNA-Waste	1,4-Dichlorobenzene	250	ug/kg	U	250	1000
3/25/2004 14:30	STATION 3	BNA-Waste	2,4,6-Trichlorophenol	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	2,4-Dichlorophenol	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	2,4-Dimethylphenol	2500	ug/kg	U	2500	10000
3/25/2004 14:30	STATION 3	BNA-Waste	2,4-Dinitrophenol	500	ug/kg	U	500	2000
3/25/2004 14:30	STATION 3	BNA-Waste	2,4-Dinitrotoluene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	2,6-Dinitrotoluene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	2-Chloronaphthalene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	2-Chlorophenol	250	ug/kg	U	250	1000
3/25/2004 14:30	STATION 3	BNA-Waste	2-Methyl-4,6-dinitrophenol	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	2-Nitrophenol	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	3,3'-Dichlorobenzidine	5000	ug/kg	U	5000	20000
3/25/2004 14:30	STATION 3	BNA-Waste	4,4'-DDD	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	4,4'-DDE	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	4,4'-DDT	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	4-Bromophenyl phenyl ether	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	4-Chloro-3-methylphenol	83	ug/kg	U	83	330

3/25/2004 14:30	STATION 3	BNA-Waste	4-Chlorophenyl phenyl ether	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	4-Nitrophenol	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Acenaphthene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Acenaphthylene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Aldrin	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Anthracene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Azobenzene/1,2-Diphenylhydrazine	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Benzidine	1800	ug/kg	U	1800	7200
3/25/2004 14:30	STATION 3	BNA-Waste	Benzo(a)anthracene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Benzo(a)pyrene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Benzo(b)fluoranthene	93	ug/kg	I	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Benzo(g,h,i)perylene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Benzo(k)fluoranthene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Bis(2-chloroethoxy)methane	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Bis(2-chloroethyl)ether	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Bis(2-chloroisopropyl)ether	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Bis(2-ethylhexyl)phthalate	500	ug/kg	U	500	2000
3/25/2004 14:30	STATION 3	BNA-Waste	Butyl benzyl phthalate	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Chrysene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Di-n-butyl phthalate	500	ug/kg	U	500	2000
3/25/2004 14:30	STATION 3	BNA-Waste	Di-n-octyl phthalate	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Dibenzo(a,h)anthracene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Dieldrin	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Diethyl phthalate	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Dimethyl phthalate	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Endosulfan I	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Endosulfan II	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Endosulfan sulfate	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Endrin	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Endrin aldehyde	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Fluoranthene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Fluorene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Heptachlor	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Heptachlor epoxide	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Hexachlorobenzene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Hexachlorobutadiene	250	ug/kg	U	250	1000
3/25/2004 14:30	STATION 3	BNA-Waste	Hexachlorocyclopentadiene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Hexachloroethane	250	ug/kg	U	250	1000
3/25/2004 14:30	STATION 3	BNA-Waste	Indeno(1,2,3-cd)pyrene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Isophorone	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	N-Nitrosodi-n-propylamine	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	N-Nitrosodimethylamine	500	ug/kg	U	500	2000
3/25/2004 14:30	STATION 3	BNA-Waste	N-Nitrosodiphenylamine	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Naphthalene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Nitrobenzene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Pentachlorophenol	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Phenanthrene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Phenol	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	Pyrene	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	alpha-BHC	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	beta-BHC	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	delta-BHC	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	BNA-Waste	gamma-BHC	83	ug/kg	U	83	330
3/25/2004 14:30	STATION 3	Bio-SedPrtSz/AFDW	Sediment % Organic	1.5	% dry wt			
3/25/2004 14:30	STATION 3	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.063-0.125mm	9.94	% vol <2mm			
3/25/2004 14:30	STATION 3	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.125-0.25 mm	61.2	% vol <2mm			
3/25/2004 14:30	STATION 3	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.25-0.5 mm	14.5	% vol <2mm			
3/25/2004 14:30	STATION 3	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, 0.5-2.0 mm	2.19	% vol <2mm			
3/25/2004 14:30	STATION 3	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, <0.063 mm	12.2	% vol <2mm			
3/25/2004 14:30	STATION 3	Bio-SedPrtSz/AFDW	Sediment Particle Size, %, >2.0 mm	1	%tot drywt	K		
3/25/2004 14:30	STATION 3	GC-Soil	Alachlor	28	ug/kg	U	28	112
3/25/2004 14:30	STATION 3	GC-Soil	Aldrin	0.46	ug/Kg	U	0.46	1.84
3/25/2004 14:30	STATION 3	GC-Soil	Alpha-BHC	0.46	ug/Kg	U	0.46	1.84
3/25/2004 14:30	STATION 3	GC-Soil	Ametryn	2.3	ug/kg	U	2.3	9.2
3/25/2004 14:30	STATION 3	GC-Soil	Atrazine	2.3	ug/kg	U	2.3	9.2
3/25/2004 14:30	STATION 3	GC-Soil	Azinphos Methyl	2.3	ug/kg	U	2.3	9.2
3/25/2004 14:30	STATION 3	GC-Soil	Beta-BHC	0.46	ug/Kg	U	0.46	1.84

3/25/2004 14:30	STATION 3	GC-Soil	Bromacil	18	ug/kg	U	18	72
3/25/2004 14:30	STATION 3	GC-Soil	Chlordane	6.9	ug/Kg	U	6.9	27.6
3/25/2004 14:30	STATION 3	GC-Soil	Chlorpyrifos Ethyl	2.3	ug/kg	U	2.3	9.2
3/25/2004 14:30	STATION 3	GC-Soil	Chlorpyrifos Methyl	4.6	ug/kg	U	4.6	18.4
3/25/2004 14:30	STATION 3	GC-Soil	DDD-p,p'	0.92	ug/Kg	U	0.92	3.68
3/25/2004 14:30	STATION 3	GC-Soil	DDE-p,p'	0.92	ug/Kg	U	0.92	3.68
3/25/2004 14:30	STATION 3	GC-Soil	DDT-p,p'	1.4	ug/Kg	U	1.4	5.6
3/25/2004 14:30	STATION 3	GC-Soil	Delta-BHC	0.92	ug/Kg	U	0.92	3.68
3/25/2004 14:30	STATION 3	GC-Soil	Diazinon	4.6	ug/kg	UJ	4.6	18.4
3/25/2004 14:30	STATION 3	GC-Soil	Dieldrin	0.46	ug/Kg	U	0.46	1.84
3/25/2004 14:30	STATION 3	GC-Soil	Endosulfan I	0.46	ug/Kg	U	0.46	1.84
3/25/2004 14:30	STATION 3	GC-Soil	Endosulfan II	0.46	ug/Kg	U	0.46	1.84
3/25/2004 14:30	STATION 3	GC-Soil	Endosulfan Sulfate	0.92	ug/Kg	U	0.92	3.68
3/25/2004 14:30	STATION 3	GC-Soil	Endrin	2.3	ug/Kg	U	2.3	9.2
3/25/2004 14:30	STATION 3	GC-Soil	Endrin Aldehyde	0.92	ug/Kg	UJ	0.92	3.68
3/25/2004 14:30	STATION 3	GC-Soil	Ethion	2.3	ug/kg	U	2.3	9.2
3/25/2004 14:30	STATION 3	GC-Soil	Ethoprop	4.6	ug/kg	U	4.6	18.4
3/25/2004 14:30	STATION 3	GC-Soil	Fenamiphos	18	ug/kg	U	18	72
3/25/2004 14:30	STATION 3	GC-Soil	Fonofos	4.6	ug/kg	U	4.6	18.4
3/25/2004 14:30	STATION 3	GC-Soil	Gamma-BHC	0.46	ug/Kg	U	0.46	1.84
3/25/2004 14:30	STATION 3	GC-Soil	Heptachlor	0.46	ug/Kg	U	0.46	1.84
3/25/2004 14:30	STATION 3	GC-Soil	Heptachlor Epoxide	0.46	ug/Kg	U	0.46	1.84
3/25/2004 14:30	STATION 3	GC-Soil	Hexazinone	9.2	ug/kg	U	9.2	36.8
3/25/2004 14:30	STATION 3	GC-Soil	Malathion	6.9	ug/kg	UJ	6.9	27.6
3/25/2004 14:30	STATION 3	GC-Soil	Methamidophos	23	ug/kg	UJ	23	92
3/25/2004 14:30	STATION 3	GC-Soil	Methoxychlor	2.3	ug/Kg	U	2.3	9.2
3/25/2004 14:30	STATION 3	GC-Soil	Metolachlor	23	ug/kg	U	23	92
3/25/2004 14:30	STATION 3	GC-Soil	Metribuzin	4.6	ug/kg	U	4.6	18.4
3/25/2004 14:30	STATION 3	GC-Soil	Mevinphos	9.2	ug/kg	U	9.2	36.8
3/25/2004 14:30	STATION 3	GC-Soil	Monocrotophos	46	ug/kg	UJ	46	184
3/25/2004 14:30	STATION 3	GC-Soil	Naled	37	ug/kg	U	37	148
3/25/2004 14:30	STATION 3	GC-Soil	Norflurazon	4.6	ug/kg	U	4.6	18.4
3/25/2004 14:30	STATION 3	GC-Soil	PCB-1016	14	ug/Kg	U	14	56
3/25/2004 14:30	STATION 3	GC-Soil	PCB-1221	9.2	ug/Kg	U	9.2	36.8
3/25/2004 14:30	STATION 3	GC-Soil	PCB-1232	21	ug/Kg	U	21	84
3/25/2004 14:30	STATION 3	GC-Soil	PCB-1242	14	ug/Kg	U	14	56
3/25/2004 14:30	STATION 3	GC-Soil	PCB-1248	9.2	ug/Kg	U	9.2	36.8
3/25/2004 14:30	STATION 3	GC-Soil	PCB-1254	9.2	ug/Kg	U	9.2	36.8
3/25/2004 14:30	STATION 3	GC-Soil	PCB-1260	14	ug/Kg	U	14	56
3/25/2004 14:30	STATION 3	GC-Soil	Parathion Ethyl	6.9	ug/kg	U	6.9	27.6
3/25/2004 14:30	STATION 3	GC-Soil	Parathion Methyl	6.9	ug/kg	U	6.9	27.6
3/25/2004 14:30	STATION 3	GC-Soil	Phorate	2.3	ug/kg	U	2.3	9.2
3/25/2004 14:30	STATION 3	GC-Soil	Prometryn	6.9	ug/kg	U	6.9	27.6
3/25/2004 14:30	STATION 3	GC-Soil	Simazine	2.3	ug/kg	U	2.3	9.2
3/25/2004 14:30	STATION 3	GC-Soil	Toxaphene	34	ug/Kg	U	34	136
3/25/2004 14:30	STATION 3	Metals-Waste	Aluminum	2500	mg/Kg		280	1100
3/25/2004 14:30	STATION 3	Metals-Waste	Cadmium	0.41	mg/Kg	J	0.076	0.3
3/25/2004 14:30	STATION 3	Metals-Waste	Chromium	19.7	mg/Kg		0.4	1.6
3/25/2004 14:30	STATION 3	Metals-Waste	Copper	8.5	mg/Kg		0.6	2.4
3/25/2004 14:30	STATION 3	Metals-Waste	Iron	3300	mg/Kg		10	40
3/25/2004 14:30	STATION 3	Metals-Waste	Lead	3.6	mg/Kg	I	1	3.6
3/25/2004 14:30	STATION 3	Metals-Waste	Nickel	6.9	mg/Kg		0.25	1
3/25/2004 14:30	STATION 3	Metals-Waste	Silver	0.15	mg/Kg	UJ	0.15	0.6
3/25/2004 14:30	STATION 3	Metals-Waste	Zinc	13.8	mg/Kg		2	8.1
3/25/2004 15:45	DW-032504-2	BNA-Water	1,2,4-Trichlorobenzene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	1,2-Dichlorobenzene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	1,3-Dichlorobenzene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	1,4-Dichlorobenzene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	2,4,6-Trichlorophenol	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	2,4-Dichlorophenol	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	2,4-Dimethylphenol	51	ug/L	U	51	200
3/25/2004 15:45	DW-032504-2	BNA-Water	2,4-Dinitrophenol	15	ug/L	U	15	61
3/25/2004 15:45	DW-032504-2	BNA-Water	2,4-Dinitrotoluene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	2,6-Dinitrotoluene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	2-Chloronaphthalene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	2-Chlorophenol	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	2-Methyl-4,6-dinitrophenol	3	ug/L	U	3	12
3/25/2004 15:45	DW-032504-2	BNA-Water	2-Nitrophenol	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	3,3'-Dichlorobenzidine	40	ug/L	U	40	160
3/25/2004 15:45	DW-032504-2	BNA-Water	4,4'-DDD	1.5	ug/L	U	1.5	6.1
3/25/2004 15:45	DW-032504-2	BNA-Water	4,4'-DDE	1.5	ug/L	U	1.5	6.1
3/25/2004 15:45	DW-032504-2	BNA-Water	4,4'-DDT	1.5	ug/L	U	1.5	6.1
3/25/2004 15:45	DW-032504-2	BNA-Water	4-Bromophenyl phenyl ether	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	4-Chloro-3-methylphenol	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	4-Chlorophenyl phenyl ether	2	ug/L	U	2	8.1

3/25/2004 15:45	DW-032504-2	BNA-Water	4-Nitrophenol	15	ug/L	U	15	61
3/25/2004 15:45	DW-032504-2	BNA-Water	Acenaphthene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Acenaphthylene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Aldrin	1.5	ug/L	U	1.5	6.1
3/25/2004 15:45	DW-032504-2	BNA-Water	Anthracene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Benzidine	100	ug/L	U	100	400
3/25/2004 15:45	DW-032504-2	BNA-Water	Benzo(a)anthracene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Benzo(a)pyrene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Benzo(b)fluoranthene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Benzo(g,h,i)perylene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Benzo(k)fluoranthene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Bis(2-chloroethoxy)methane	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Bis(2-chloroethyl)ether	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Bis(2-chloroisopropyl)ether	3	ug/L	U	3	12
3/25/2004 15:45	DW-032504-2	BNA-Water	Bis(2-ethylhexyl)phthalate	15	ug/L	U	15	61
3/25/2004 15:45	DW-032504-2	BNA-Water	Butyl benzyl phthalate	5.1	ug/L	U	5.1	20
3/25/2004 15:45	DW-032504-2	BNA-Water	Chrysene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Di-n-butyl phthalate	5.1	ug/L	U	5.1	20
3/25/2004 15:45	DW-032504-2	BNA-Water	Di-n-octyl phthalate	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Dibenzo(a,h)anthracene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Dieldrin	1.5	ug/L	U	1.5	6.1
3/25/2004 15:45	DW-032504-2	BNA-Water	Diethyl phthalate	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Dimethyl phthalate	51	ug/L	U	51	200
3/25/2004 15:45	DW-032504-2	BNA-Water	Endosulfan I	4	ug/L	U	4	16
3/25/2004 15:45	DW-032504-2	BNA-Water	Endosulfan II	4	ug/L	U	4	16
3/25/2004 15:45	DW-032504-2	BNA-Water	Endosulfan sulfate	1.5	ug/L	U	1.5	6.1
3/25/2004 15:45	DW-032504-2	BNA-Water	Endrin	1.5	ug/L	U	1.5	6.1
3/25/2004 15:45	DW-032504-2	BNA-Water	Endrin aldehyde	4	ug/L	U	4	16
3/25/2004 15:45	DW-032504-2	BNA-Water	Fluoranthene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Fluorene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Heptachlor	1.5	ug/L	U	1.5	6.1
3/25/2004 15:45	DW-032504-2	BNA-Water	Heptachlor epoxide	1.5	ug/L	U	1.5	6.1
3/25/2004 15:45	DW-032504-2	BNA-Water	Hexachlorobenzene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Hexachlorobutadiene	3	ug/L	U	3	12
3/25/2004 15:45	DW-032504-2	BNA-Water	Hexachlorocyclopentadiene	3	ug/L	UJ	3	12
3/25/2004 15:45	DW-032504-2	BNA-Water	Hexachloroethane	3	ug/L	U	3	12
3/25/2004 15:45	DW-032504-2	BNA-Water	Indeno(1,2,3-cd)pyrene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Isophorone	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	N-Nitrosodi-n-propylamine	2	ug/L	U	2	8.1
3/25/2004 15:45	DW-032504-2	BNA-Water	N-Nitrosodimethylamine	2	ug/L	U	2	8.1
3/25/2004 15:45	DW-032504-2	BNA-Water	N-Nitrosodiphenylamine	3	ug/L	U	3	12
3/25/2004 15:45	DW-032504-2	BNA-Water	Naphthalene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Nitrobenzene	2	ug/L	U	2	8.1
3/25/2004 15:45	DW-032504-2	BNA-Water	Pentachlorophenol	3	ug/L	U	3	12
3/25/2004 15:45	DW-032504-2	BNA-Water	Phenanthrene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Phenol	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	Pyrene	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	BNA-Water	alpha-BHC	1.5	ug/L	U	1.5	6.1
3/25/2004 15:45	DW-032504-2	BNA-Water	beta-BHC	1.5	ug/L	U	1.5	6.1
3/25/2004 15:45	DW-032504-2	BNA-Water	delta-BHC	1.5	ug/L	U	1.5	6.1
3/25/2004 15:45	DW-032504-2	BNA-Water	gamma-BHC	1.5	ug/L	U	1.5	6.1
3/25/2004 15:45	DW-032504-2	GC-Water	Alachlor	0.62	ug/L	UJ	0.62	2.48
3/25/2004 15:45	DW-032504-2	GC-Water	Aldrin	0.01	ug/L	U	0.01	0.04
3/25/2004 15:45	DW-032504-2	GC-Water	Alpha-BHC	0.01	ug/L	U	0.01	0.04
3/25/2004 15:45	DW-032504-2	GC-Water	Ametryn	0.052	ug/L	U	0.052	0.208
3/25/2004 15:45	DW-032504-2	GC-Water	Atrazine	0.052	ug/L	UJ	0.052	0.208
3/25/2004 15:45	DW-032504-2	GC-Water	Azinphos Methyl	0.052	ug/L	U	0.052	0.208
3/25/2004 15:45	DW-032504-2	GC-Water	Beta-BHC	0.01	ug/L	U	0.01	0.04
3/25/2004 15:45	DW-032504-2	GC-Water	Bromacil	0.21	ug/L	U	0.21	0.84
3/25/2004 15:45	DW-032504-2	GC-Water	Butylate	0.21	ug/L	U	0.21	0.84
3/25/2004 15:45	DW-032504-2	GC-Water	Chlordane	0.21	ug/L	U	0.21	0.84
3/25/2004 15:45	DW-032504-2	GC-Water	Chlorpyrifos Ethyl	0.052	ug/L	U	0.052	0.208
3/25/2004 15:45	DW-032504-2	GC-Water	Chlorpyrifos Methyl	0.1	ug/L	U	0.1	0.4
3/25/2004 15:45	DW-032504-2	GC-Water	DDD-p,p'	0.021	ug/L	U	0.021	0.084
3/25/2004 15:45	DW-032504-2	GC-Water	DDE-p,p'	0.021	ug/L	U	0.021	0.084
3/25/2004 15:45	DW-032504-2	GC-Water	DDT-p,p'	0.031	ug/L	U	0.031	0.124
3/25/2004 15:45	DW-032504-2	GC-Water	Delta-BHC	0.01	ug/L	U	0.01	0.04
3/25/2004 15:45	DW-032504-2	GC-Water	Diazinon	0.052	ug/L	U	0.052	0.208
3/25/2004 15:45	DW-032504-2	GC-Water	Dieldrin	0.021	ug/L	U	0.021	0.084
3/25/2004 15:45	DW-032504-2	GC-Water	Endosulfan I	0.021	ug/L	U	0.021	0.084
3/25/2004 15:45	DW-032504-2	GC-Water	Endosulfan II	0.021	ug/L	U	0.021	0.084
3/25/2004 15:45	DW-032504-2	GC-Water	Endosulfan Sulfate	0.021	ug/L	U	0.021	0.084
3/25/2004 15:45	DW-032504-2	GC-Water	Endrin	0.052	ug/L	U	0.052	0.208
3/25/2004 15:45	DW-032504-2	GC-Water	Endrin Aldehyde	0.021	ug/L	U	0.021	0.084
3/25/2004 15:45	DW-032504-2	GC-Water	Ethion	0.052	ug/L	U	0.052	0.208

3/25/2004 15:45	DW-032504-2	GC-Water	Ethoprop	0.1	ug/L	U	0.1	0.4
3/25/2004 15:45	DW-032504-2	GC-Water	Fenamiphos	0.21	ug/L	U	0.21	0.84
3/25/2004 15:45	DW-032504-2	GC-Water	Fonofos	0.1	ug/L	U	0.1	0.4
3/25/2004 15:45	DW-032504-2	GC-Water	Gamma-BHC	0.01	ug/L	U	0.01	0.04
3/25/2004 15:45	DW-032504-2	GC-Water	Heptachlor	0.01	ug/L	U	0.01	0.04
3/25/2004 15:45	DW-032504-2	GC-Water	Heptachlor Epoxide	0.021	ug/L	U	0.021	0.084
3/25/2004 15:45	DW-032504-2	GC-Water	Hexazinone	0.1	ug/L	U	0.1	0.4
3/25/2004 15:45	DW-032504-2	GC-Water	Malathion	0.15	ug/L	U	0.15	0.6
3/25/2004 15:45	DW-032504-2	GC-Water	Metalaxyl	0.26	ug/L	U	0.26	1.04
3/25/2004 15:45	DW-032504-2	GC-Water	Methoxychlor	0.052	ug/L	U	0.052	0.208
3/25/2004 15:45	DW-032504-2	GC-Water	Metolachlor	0.52	ug/L	UJ	0.52	2.08
3/25/2004 15:45	DW-032504-2	GC-Water	Metribuzin	0.1	ug/L	U	0.1	0.4
3/25/2004 15:45	DW-032504-2	GC-Water	Mevinphos	0.21	ug/L	UJ	0.21	0.84
3/25/2004 15:45	DW-032504-2	GC-Water	Naled	0.82	ug/L	UJ	0.82	3.28
3/25/2004 15:45	DW-032504-2	GC-Water	Norflurazon	0.1	ug/L	U	0.1	0.4
3/25/2004 15:45	DW-032504-2	GC-Water	PCB-1016	0.21	ug/L	U	0.21	0.84
3/25/2004 15:45	DW-032504-2	GC-Water	PCB-1221	0.21	ug/L	U	0.21	0.84
3/25/2004 15:45	DW-032504-2	GC-Water	PCB-1232	0.21	ug/L	U	0.21	0.84
3/25/2004 15:45	DW-032504-2	GC-Water	PCB-1242	0.31	ug/L	U	0.31	1.24
3/25/2004 15:45	DW-032504-2	GC-Water	PCB-1248	0.21	ug/L	U	0.21	0.84
3/25/2004 15:45	DW-032504-2	GC-Water	PCB-1254	0.31	ug/L	U	0.31	1.24
3/25/2004 15:45	DW-032504-2	GC-Water	PCB-1260	0.21	ug/L	U	0.21	0.84
3/25/2004 15:45	DW-032504-2	GC-Water	Parathion Ethyl	0.15	ug/L	U	0.15	0.6
3/25/2004 15:45	DW-032504-2	GC-Water	Parathion Methyl	0.1	ug/L	U	0.1	0.4
3/25/2004 15:45	DW-032504-2	GC-Water	Phorate	0.052	ug/L	U	0.052	0.208
3/25/2004 15:45	DW-032504-2	GC-Water	Prometryn	0.15	ug/L	UJ	0.15	0.6
3/25/2004 15:45	DW-032504-2	GC-Water	Simazine	0.052	ug/L	U	0.052	0.208
3/25/2004 15:45	DW-032504-2	GC-Water	Toxaphene	0.77	ug/L	U	0.77	3.08
3/25/2004 15:45	DW-032504-2	Metals-Water	Aluminum	7	ug/L	U	7	28
3/25/2004 15:45	DW-032504-2	Metals-Water	Arsenic	9	ug/L	U	9	36
3/25/2004 15:45	DW-032504-2	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
3/25/2004 15:45	DW-032504-2	Metals-Water	Calcium	0.17	mg/L	U	0.17	0.68
3/25/2004 15:45	DW-032504-2	Metals-Water	Chromium	2	ug/L	U	2	8
3/25/2004 15:45	DW-032504-2	Metals-Water	Copper	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	Metals-Water	Iron	10	ug/L	U	10	40
3/25/2004 15:45	DW-032504-2	Metals-Water	Lead	0.2	ug/L	U	0.2	0.8
3/25/2004 15:45	DW-032504-2	Metals-Water	Magnesium	0.02	mg/L	U	0.02	0.08
3/25/2004 15:45	DW-032504-2	Metals-Water	Nickel	4	ug/L	U	4	16
3/25/2004 15:45	DW-032504-2	Metals-Water	Selenium	1	ug/L	U	1	4
3/25/2004 15:45	DW-032504-2	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
3/25/2004 15:45	DW-032504-2	Metals-Water	Zinc	5	ug/L	U	5	20
3/25/2004 15:45	DW-032504-2	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
3/25/2004 15:45	DW-032504-2	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	U	0.004	0.01
3/25/2004 15:45	DW-032504-2	Nutrients-Liquid	N_KJEL_TOT	0.06	mg N/L	U	0.06	0.2
3/25/2004 15:45	DW-032504-2	Nutrients-Liquid	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
3/25/2004 15:45	DW-032504-2	Nutrients-Liquid	TSS	4	mg/L	U	4	16
3/25/2004 15:45	DW-032504-2	Nutrients-Liquid	Total-P	0.02	mg P/L	U	0.02	0.06
3/25/2004 15:45	DW-032504-2	Overflow	Oil and Grease	0.69	mg/l	U		

Appendix 5

Typical Values for Selected Parameters in Florida Waters

Percentile Distribution (690 stations)

Station 1 closest downstream

Percentile Distribution

Parameter	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	Measured
ESTUARIES	(690 stations)											
Phytoplankton Chlorophyll *a*	**2.14**	3.28	4.49	5.13	6	6.93	7.94	9.6	12.4	17.6	22.2	**0.85 UQ**
Dredge Diversity	1.34	1.53	1.91	2.28	2.56	**2.9**	3.15	3.59	4.01	4.53	4.98	**3.00**
Dredge Taxa Richness	4	6	9	11	15	**18.5**	25	35	41	62	90	**20**
TKN	0.26	0.34	0.42	0.5	0.59	0.69	0.76	**0.82**	0.95	1.3	1.49	**0.87 A**
NH3+NH4	0.01	**0.02**	0.03	0.04	0.05	0.06	0.08	0.09	0.13	0.22	0.28	**0.024**
NO2-NO3	0	0	0.01	0.01	0.01	0.02	0.03	0.05	0.08	0.17	**0.23**	**0.35**
Total Phosphorus	0.01	0.02	0.06	0.07	0.1	0.11	0.14	**0.17**	0.23	0.43	0.59	**0.17 A**
Ortho-Phosphate	0.01	0.02	0.03	0.04	0.04	0.05	0.07	0.09	**0.12**	0.21	0.44	**0.15 Q**
Turbidity	**3.5**	4	4.5	5.05	5.4	5.6	6.3	6.8	8	11.4	11.75	**3.1 Q**

Station 2 mid downstream

Percentile Distribution

Parameter	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	Measured
ESTUARIES	(690 stations)											
Phytoplankton Chlorophyll *a*	**2.14**	3.28	4.49	5.13	6	6.93	7.94	9.6	12.4	17.6	22.2	**0.85 UQ**
Dredge Diversity	1.34	1.53	1.91	2.28	2.56	**2.9**	3.15	3.59	4.01	4.53	4.98	**3.11**
Dredge Taxa Richness	4	6	9	11	15	**18.5**	25	35	41	62	90	**21**
TKN	0.26	0.34	0.42	0.5	0.59	0.69	0.76	**0.82**	0.95	1.3	1.49	**0.88**
NH3+NH4	0.01	**0.02**	0.03	0.04	0.05	0.06	0.08	0.09	0.13	0.22	0.28	**0.027**
NO2-NO3	0	0	0.01	0.01	0.01	0.02	0.03	0.05	0.08	0.17	**0.23**	**0.41**
Total Phosphorus	0.01	0.02	0.06	0.07	0.1	0.11	0.14	**0.17**	0.23	0.43	0.59	**0.17**
Ortho-Phosphate	0.01	0.02	0.03	0.04	0.04	0.05	0.07	0.09	**0.12**	0.21	0.44	**0.13 Q**
Turbidity	**3.5**	4	4.5	5.05	5.4	5.6	6.3	6.8	8	11.4	11.75	**3.1**

Station 3 farthest

Percentile Distribution

Parameter	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	Measured
ESTUARIES	(690 stations)											
Phytoplankton Chlorophyll *a*	**2.14**	3.28	4.49	5.13	6	6.93	7.94	9.6	12.4	17.6	22.2	**0.85 UQ**
Dredge Diversity	1.34	1.53	1.91	2.28	2.56	2.9	**3.15**	3.59	4.01	4.53	4.98	**3.38**
Dredge Taxa Richness	4	6	9	11	15	18.5	**25**	35	41	62	90	**27**
TKN	0.26	0.34	0.42	0.5	0.59	0.69	0.76	**0.82**	0.95	1.3	1.49	**0.82**
NH3+NH4	0.01	**0.02**	0.03	0.04	0.05	0.06	0.08	0.09	0.13	0.22	0.28	**0.022**
NO2-NO3	0	0	0.01	0.01	0.01	0.02	0.03	0.05	0.08	0.17	**0.23**	**0.33**
Total Phosphorus	0.01	0.02	0.06	0.07	0.1	0.11	**0.14**	0.17	0.23	0.43	0.59	**0.15**
Ortho-Phosphate	0.01	0.02	0.03	0.04	0.04	0.05	0.07	**0.09**	0.12	0.21	0.44	**0.11**
Turbidity	**3.5**	4	4.5	5.05	5.4	5.6	6.3	6.8	8	11.4	11.75	**3.3 A**

A - Value reported is the mean of two or more determinations

I - Value reported is < the minimum quantitation limit, and ≥ the minimum detection limit

Q - Sample held beyond normal holding time

U - Material analyzed for but not detected; value reported is the minimum detection limit

Station 4 closest upstream

Percentile Distribution

Parameter	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	Measured
ESTUARIES	(690 stations)											
Phytoplankton Chlorophyll *a*	**2.14**	3.28	4.49	5.13	6	6.93	7.94	9.6	12.4	17.6	22.2	**0.85 U**
Dredge Diversity	1.34	1.53	1.91	2.28	2.56	**2.9**	3.15	3.59	4.01	4.53	4.98	**2.97**
Dredge Taxa Richness	4	6	9	11	15	**18.5**	25	35	41	62	90	**22**
TKN	0.26	0.34	0.42	0.5	0.59	0.69	0.76	**0.82**	0.95	1.3	1.49	**0.82**
NH3+NH4	0.01	0.02	0.03	0.04	**0.05**	0.06	0.08	0.09	0.13	0.22	0.28	**0.052**
NO2-NO3	0	0	0.01	0.01	0.01	0.02	0.03	**0.05**	0.08	0.17	0.23	**0.061**
Total Phosphorus	0.01	0.02	0.06	0.07	0.1	0.11	**0.14**	0.17	0.23	0.43	0.59	**0.14**
Ortho-Phosphate	0.01	0.02	0.03	0.04	0.04	0.05	0.07	0.09	**0.12**	0.21	0.44	**0.16**
Turbidity	**3.5**	4	4.5	5.05	5.4	5.6	6.3	6.8	8	11.4	11.75	**1.9**

Station 5 mid upstream

Percentile Distribution

Parameter	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	Measured
ESTUARIES	(690 stations)											
Phytoplankton Chlorophyll *a*	**2.14**	3.28	4.49	5.13	6	6.93	7.94	9.6	12.4	17.6	22.2	**0.85 U**
Dredge Diversity	1.34	1.53	1.91	2.28	**2.56**	2.9	3.15	3.59	4.01	4.53	4.98	**2.74**
Dredge Taxa Richness	4	6	9	11	15	**18.5**	25	35	41	62	90	**19**
TKN	0.26	0.34	0.42	0.5	0.59	**0.69**	0.76	0.82	0.95	1.3	1.49	**0.7**
NH3+NH4	0.01	0.02	0.03	**0.04**	0.05	0.06	0.08	0.09	0.13	0.22	0.28	**0.049**
NO2-NO3	0	0	0.01	0.01	0.01	**0.02**	0.03	0.05	0.08	0.17	0.23	**0.023**
Total Phosphorus	0.01	0.02	**0.06**	0.07	0.1	0.11	0.14	0.17	0.23	0.43	0.59	**0.061**
Ortho-Phosphate	0.01	**0.02**	0.03	0.04	0.04	0.05	0.07	0.09	0.12	0.21	0.44	**0.022**
Turbidity	**3.5**	4	4.5	5.05	5.4	5.6	6.3	6.8	8	11.4	11.75	**1.7**

Station 6 farthest upstream

Percentile Distribution

Parameter	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	Measured
ESTUARIES	(690 stations)											
Phytoplankton Chlorophyll *a*	**2.14**	3.28	4.49	5.13	6	6.93	7.94	9.6	12.4	17.6	22.2	**0.85 U**
Dredge Diversity	1.34	1.53	**1.91**	2.28	2.56	2.9	3.15	3.59	4.01	4.53	4.98	**2.26**
Dredge Taxa Richness	4	6	9	11	15	**18.5**	25	35	41	62	90	**19**
TKN	0.26	0.34	0.42	0.5	0.59	**0.69**	0.76	0.82	0.95	1.3	1.49	**0.72**
NH3+NH4	0.01	0.02	0.03	**0.04**	0.05	0.06	0.08	0.09	0.13	0.22	0.28	**0.045**
NO2-NO3	0	0	0.01	0.01	0.01	**0.02**	0.03	0.05	0.08	0.17	0.23	**0.022**
Total Phosphorus	0.01	**0.02**	0.06	0.07	0.1	0.11	0.14	0.17	0.23	0.43	0.59	**0.048 I**
Ortho-Phosphate	0.01	**0.02**	0.03	0.04	0.04	0.05	0.07	0.09	0.12	0.21	0.44	**0.024**
Turbidity	**3.5**	4	4.5	5.05	5.4	5.6	6.3	6.8	8	11.4	11.75	**2.2**

A - Value reported is the mean of two or more determinations

I - Value reported is < the minimum quantitation limit, and ≥ the minimum detection limit

Q - Sample held beyond normal holding time

U - Material analyzed for but not detected; value reported is the minimum detection limit

FDEP Biology Section - Acute 4/24 Screen Bioassay Bench Sheets

Facility: Naples WWTP
Address: 1400 3rd Avenue North
City: Naples County: Collier
Contact/District: Julie & Ken Espy / SD
NPDES Permit #: FL 0026271
LIMS Job #: TLH-2004-03-26-30-01 LIMS Sample #: 744259

Sample Collection: Date: 3/24/04 Time: 1030 a.m.
Hold Time Start: Date: 3-25-04 Time: 0435
Sample: 1 of 4

Comments: ~~1 to~~ (samples 1 & 2 - SALT CTRL)
SALT CTRL (well H2O) soaked with 4x Fathams artificial sea salts to ~7ppt.
SALT CTRL TRC - <0.03

Lims Data Entry: 4/8/04 MF Data Entry Verification: 4/8/04 CAP

Instructions (for below): Circle appropriate wording. If yes is circled complete blanks.

Test Type: (Screen)
Static (Static Renewal) Flow-through
Test Duration: 48 (96) Hours.
Light Intensity : 50 - 100 ft. candles.
Photoperiod : 16 hours light 8 hours dark.
Initial sample handling:

Test 1 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

Test 2 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

PH adjustment : yes (no) Initial pH NaOH N HCl N Drops mL Final pH
Aeration (yes) no Initial DO: 9.3 mg/L Final DO: 8.1 mg/L Duration: 15 minutes Rate: ~100 bubbles/min
Salinity adjusted (Test 1): (yes) no Initial Salinity: 1.089 Final Salinity: ~7ppt (Salts) Hypersaline brine
Salinity adjusted (Test 2): yes (no) Initial Salinity: Final Salinity: (Salts) Hypersaline brine
Dechlorination: yes (no) mL of 0.025N Sodium Thiosulfate per liter of sample. Final TRC

Temperature Range °C
Incubator # 3 Range 24.5-25.0°C
Room B246: 24.0-25.5 °C
Waterbath: N/A

Sample Validation:
Temperature: Shipped ≤6°C (Yes) No Hand Delivered: Cooling (received °C < collected °C) Yes No
Holding Time: ≤36 Hours (Yes) No (Composite-end of collection; grab-when collected; 4 in 24 - time last sample collected)

Investigators' Signatures
Christa Levine
Marshall Faircloth
James Daniels
Julie Espy
REVIEWER
V.2 2/26/04

Water Quality Parameters	20% DMW	Well Water	Salt Water (ASW) NSW Test 1	Salt Water (ASW) NSW Test 2	Moderately Hard Water	Original Sample	Method	Measured by	Verified by
Field Total Residual Cl2 (mg/L):	N/A	N/A	N/A	N/A	N/A	not measured		—	CAP
Lab Total Residual Cl2 (mg/L):			<0.03	<0.03		0.07	HACH	CAP	MF
Alkalinity (mg/L as $CaCO_3$):			175	156		108	HACH	JD	CAP
Hardness (mg/L as $CaCO_3$):			N/A	N/A		351	HACH	JD	CAP
Total Ammonia (mg/L as N):			<0.017	<0.017		<0.017	DENVER	MF	CAP
Salinity (ppt):			~7ppt	~7ppt		7.99 1.1 (cap)	YSI	MF	CAP

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FDEP Biology Section - - Bioassay Bench Sheet
Survival

LIMS Sample #: 744259 **Test #:** 1 **Test Started: Date** 3/26/04 **Time:** 2:00
Organism: A. bahia **Test Ended: Date** 3-30-04 **Time:** 2:00
Organism Batch: #81 **Diluent/ Batch:** ASW 1/15
Organism Age: 3 days **Food:** YCT *P. subcapitata* (*Artemia*)
Chamber Size 1000 **mL** **Batch:** — — 0194025G
Test Volume 500 **mL** **Feeding:** Prior to test, (Prior to renewal), (Daily)

Concentration	Replicate	Chamber #	0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTRL	A	H9	5	4 1D	4	4	4	4
	B	H10	5	5	5	5	5	5
	C	H11	5	5	5	5	5	5
	D	H12	5	5	5	5	5	5
SALT CTRL	A	G1	5	5	5	5	5	5
	B	G2	5	5	5	5	5	5
	C	G3	5	5	5	5	5	5
	D	G4	5	5	5	5	5	5
100%	A	H13	5	5	5	5	5	5
	B	H14	5	5	4 1D	4	4	4
	C	H15	5	5	~~5~~ 4 1D error MF	5	5	5
	D	H16	5	5	4 1D	4	4	4
Organisms loaded by: CAP / Loading Verified by: MF		Checked by: (initials)	MF	MF	MF	MF	CAP	CTD

Comments:

m = missing d = dead BR = before renewal AR = after renewal

Test Results:
% mortality in 100% sample ~~0%~~ 10% (CAP)
>100% **LC₅₀:** >100% If Calculated: 95% CI ______ Method: ______
Screening Tests: Report LC50 as >100%, =100%, or <100%.
Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

FDEP Biology Section - - Bioassay Bench Sheet

Survival

LIMS Sample #: 744259 Test #: 2 Test Started: Date 3/26/04 Time: 2:10

Organism: M. beryllina Test Ended: Date 3-30-04 Time: 2:00

Organism Batch: #11 Diluent/ Batch: ASW 1 15

Organism Age: 11 days Food: YCT *P. subcapitata* Artemia 0194025 A

Chamber Size 1000 mL Batch: ___ ___

Test Volume 500 mL Feeding: Prior to test - Prior to renewal - Daily

Concentration	Replicate	Chamber #	Test Hour 0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTRL	A	H1	5	5	5	5	5	5
	B	H2	5	5	5	5	5	5
	C	H3	5	5	5	5	5	5
	D	H4	5	5	5	5	5	5
100%	A	H5	5	5	5	5	5	5
	B	H6	5	5	5	5	5	5
	C	H7	5	5	5	5	5	5
	D	H8	5	5	5	5	5	5
Organisms loaded by: CAP		Checked by:	MF	MF	MF	MF	CAP	CAP
Loading Verified by: MF		(initials)						

m = missing d = dead BR = before renewal AR = after renewal

Comments:

Test Results:

% mortality in 100% sample 0%

LC_{50}: >100% If Calculated: 95% CI ___ Method: ___

Screening Tests: Report LC50 as >100%, =100%, or <100%.

Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

Bioassay Parameters

LIMS Sample # : 744259 **Test # :** 1 **of** 2

TEST SOP: TA07_ 03 **Test Species:** *Ceriodaphnia dubia Cyprinella leedsi Pimephales promelas* ~~*Americamysis bahia*~~ *Menidia beryllina* Other:_____

V.1 2/24/04

Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.3	8.1	7.9	8.0	8.0	8.0
Temperature °C	24.4	24.8	25.2	24.5	25.6	24.0
Dissolved Oxygen mg/L	8.1	6.9	5.6	7.1	6.5	6.2
Conductivity µmhos ~~mmhos~~	11.9	12.1	12.4	10.4	10.8	11.3
(initials) Measured by:	MF	MF	MF	MF	MF	MF
(initials) Recorded by:	CAP	MF	MF	MF	MF	MF

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.1	8.0	7.9	8.0	8.0	7.8
Temperature °C	25.3	25.1	~~26.0~~ 26.1	24.2	25.3	24.0
Dissolved Oxygen mg/L	8.1	6.6	6.0	7.2	6.6	6.2
Conductivity µmhos ~~mmhos~~	11.5	11.7	11.9	10.7	11.4	11.3
(initials) Measured by:	MF	MF	MF	MF	MF	MF
(initials) Recorded by:	CAP	MF	MF	MF	MF	MF

Comments:

Concentration SALT CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.2	8.2	8.2	8.2	8.1	8.2
Temperature °C	24.1	24.5	24.0	24.4	25.7	24.1
Dissolved Oxygen mg/L	8.1	6.7	6.0	7.0	6.6	6.2
Conductivity µmhos ~~mmhos~~	11.7	12.0	12.3	10.6	11.3	11.6
(initials) Measured by:	MF	MF	MF	MF	MF	MF
(initials) Recorded by:	CAP	MF	MF	MF	MF	MF

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

V.1 2/24/04

Bioassay Parameters

LIMS Sample # : 744259 **Test # :** 2 **of** 2

TEST SOP: TA07_ 04 **Test Species:** *Ceriodaphnia dubia Cyprinella leedsi Pimephales promelas Americamysis bahia Menidia beryllina* Other:

V.1 2/24/04

Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.2	8.2	8.3	8.1	8.2	8.1
Temperature °C	24.5	24.9	24.0	24.5	25.1	25.2
Dissolved Oxygen mg/L	8.5	6.9	7.1	7.4	6.9	6.2
Conductivity µmhos (mmhos)	2.20	2.30	2.05	2.22	2.39	2.38
(initials) Measured by:	MF	MF	MF	MF	MF	MF
(initials) Recorded by:	CR	MF	MF	MF	MF	MF

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	7.8	7.8	8.3	7.6	8.2	7.9
Temperature °C	25.1	24.4	24.0	24.2	25.2	25.6
Dissolved Oxygen mg/L	8.6	6.8	7.1	7.4	6.9	6.4
Conductivity µmhos (mmhos)	2.20	2.34	2.20	2.14	2.25	2.29
(initials) Measured by:	MF	MF	MF	MF	MF	MF
(initials) Recorded by:	CR	MF	MF	MF	MF	MF

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

V.1 2/24/04

[redacted]

Bioassay Parameters

LIMS Sample # : _____ **Test # :** _____ **of** _____

TEST SOP: TA07_ _____ Test Species: *Ceriodaphnia dubia Cyprinella leedsi Pimephales promelas Americamysis bahia Menidia beryllina* Other:_____

V.1 2/24/04

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

V.1 2/24/04

FDEP Biology Section - Acute 4/24 Screen Bioassay Bench Sheets

Facility: Naples

Sample Collection: Date: 3/24/04 Time: 4:30 p.m.

Hold Time Start: Date: 3-25-04 Time: 0435

LIMS Job #: TCH-2004-03-26-30-02 **LIMS Sample #:** 744260

Sample: 2 of 4

Lims Data Entry: 4/8/04 MF

Instructions (for below): Circle appropriate wording. If yes is circled complete blanks.

Data Entry Verification: 4/8/04 CAP

Comments:

Test 1 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

Test 2 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

Initial sample handling:
PH adjustment : yes (no) Initial pH NaOH N HCl N Drops mL Final pH
Aeration : (yes) no Initial DO: 9.9 mg/L Final DO: 8.4 mg/L Duration: 15 minutes Rate: ~100 bubbles/min
Salinity adjusted (Test 1): (yes) no Initial Salinity: 1023 Final Salinity: ~1021 (Salts) Hypersaline brine
Salinity adjusted (Test 2): (yes) no Initial Salinity: Final Salinity: (Salts) mFenton Hypersaline brine
Dechlorination: yes (no) Sodium Thiosulfate added: ml/L

Water Quality Parameters	Original Sample	Method	Measured by	Verified by
Field Total Residual Cl2 (mg/L):	not measured		—	CAP
Lab Total Residual Cl2 (mg/L):	<0.03	HACH	CAP	MF
Alkalinity (mg/L as $CaCO_3$):	86	HACH	To	CAP
Hardness (mg/L as $CaCO_3$):	328	HACH	To	CAP
Total Ammonia (mg/L as N):	<0.017	DENVER	MF	CAP
Salinity (ppt):	1.023	YSI	MF	CAP

FDEP Biology Section - - Bioassay Bench Sheet

Survival

LIMS Sample #: 744260 **Test #:** 1 **Test Started: Date** 3/24/04 **Time:** 2:30

Organism: A. bahia **Test Ended: Date** 3-30-04 **Time:** 1:45

Organism Batch: #81 **Diluent/ Batch:** ASW / #15

Organism Age: 3 days **Food:** YCT *P. subcapitata* Artemia

Chamber Size 1000 mL **Batch:** ___ ___ 0194025 4

Test Volume 500 mL **Feeding:** Prior to test / Prior to renewal / Daily

Concentration	Replicate	Chamber #	Test Hour 0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTRL	A	F21	5	5	5	5	5	5
	B	F22	5	5	5	5	5	5
	C	F23	5	5	5	5	5	5
	D	F24	5	5	5	5	5	5
SALT CTRL	A	G5	5	5	5	5	5	5
	B	G6	5	5	5	5	5	5
	C	G7	5	5	5	5	5	5
	D	G8	5	4 im	4	4	4	4
100%	A	E21	5	5	5	5	5	5
	B	E22	5	5	5	5	5	5
	C	E23	5	5	5	5	5	5
	D	E24	5	5	5	5	5	5
Organisms loaded by: CR		Checked by:	MF	MF	MF	MF	CR	CR
Loading Verified by: MF		(initials)						

Comments:

m = missing d = dead BR = before renewal AR = after renewal

Test Results:

% mortality in 100% sample 0%

LC_{50}: >100 % If Calculated: 95% CI ___ Method: ___

Screening Tests: Report LC50 as >100%, =100%, or <100%.

Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

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FDEP Biology Section - - Bioassay Bench Sheet
Survival

LIMS Sample #: 744260 **Test #:** 2 **Test Started: Date** 2/26/04 **Time:** 2:40
Organism: M. beryllina **Test Ended: Date** 3-3-04 **Time:** 1:30
Organism Batch: #11 **Diluent/ Batch:** ASW, #15
Organism Age: 11 days **Food:** YCT P. subcapitata (Artemia)
Chamber Size 1000 **mL** **Batch:** ___ ___ , - 0194025G
Test Volume 500 **mL** **Feeding:** (Prior to test) (Prior to renewal) Daily

Concentration	Replicate	Chamber #	Test Hour: 0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTRL	C17	↔ A	5	5	5	5	5	5
	C18	↔ B	5	5	5	5	5	5
	C19	↔ C	5	5	5	5	5	5
	C20	↔ D	5	5	5	5	5	5
100%	C21	↔ A	5	5	5	5	5	5
	C22	↔ B	5	5	5	5	5	5
	C23	↔ C	5	5	5	5	5	5
	C24	↔ D	5	5	5	5	5	5
Organisms loaded by: CAP		Checked by: (initials)	mF	mF	mF	mF	CAP	CAP
Loading Verified by: MF								

m = missing d = dead BR = before renewal AR = after renewal

Comments:

Test Results:
% mortality in 100% sample 0%
LC_{50}: >100% If Calculated: 95% CI ____________ Method: ____________
Screening Tests: Report LC50 as >100%, =100%, or <100%.
Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

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Bioassay Parameters

LIMS Sample # : 744260 **Test # :** 1 **of** 2

TEST SOP: TA07_ 03 **Test Species:** *Ceriodaphnia dubia Cyprinella leedsi Pimephales promelas Americamysis bahia Menidia beryllina* Other:_____

V.1 2/24/04

Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.3	8.2	8.1	8.0	8.1	8.1
Temperature °C	24.3	24.7	24.0	24.4	26.1	24.4
Dissolved Oxygen mg/L	8.4	6.6	6.2	7.1	6.3	6.6
Conductivity µmhos (mmhos)	12.0	12.4	12.6	10.8	11.4	12.2
(initials) Measured by:	MF	MF	MF	MF	CAP/MF	MF
(initials) Recorded by:	CAP	MF	MF	MF	CAP/MF	MF

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.2	8.1	7.9	7.9	7.9	7.9
Temperature °C	24.9	26.5	26.0	24.4	25.9	24.2
Dissolved Oxygen mg/L	8.4	6.5	6.1	7.1	6.7	6.5
Conductivity µmhos (mmhos)	11.3	11.4	11.5 +2 mf even	10.6	11.4	11.8
(initials) Measured by:	MF	MF	MF	MF	CAP/MF	MF
(initials) Recorded by:	CAP	MF	MF	MF	CAP/MF	MF

Comments:

Concentration SAT CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.2	8.2	8.1	8.2	8.1	8.2
Temperature °C	24.4	24.8	26.2	24.2	25.9	24.2
Dissolved Oxygen mg/L	8.4	6.6	6.2	7.1	6.7	6.6
Conductivity µmhos (mmhos)	11.8	12.3	12.2	10.8	11.7	11.9
(initials) Measured by:	MF	MF	MF	MF	CAP/MF	
(initials) Recorded by:	CAP	MF	MF	MF	CAP/MF	

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

V.1 2/24/04

Bioassay Parameters

LIMS Sample # : 744260 **Test # :** 2 **of** 2

TEST SOP: TA07_ 04 **Test Species:** *Ceriodaphnia dubia Cyprinella leedsi Pimephales promelas Americamysis bahia Menidia beryllina* Other:

V.1 2/24/04

Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.2	8.2	8.3	8.0	8.2	8.1
Temperature °C	24.1	25.9	24.0	24.6	25.3	25.0
Dissolved Oxygen mg/L	8.6	6.7	7.2	7.4	6.8	6.8
Conductivity µmhos (mmhos)	1.94	2.30	2.10	2.21	2.47	2.55
(initials) Measured by:	MF	MF	MF	MF	MF	MF
(initials) Recorded by:	CR	MF	MF	MF	MF	MF

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	7.8	7.9	8.0	7.6	7.9	8.0
Temperature °C	24.9	26.5	24.1	24.1	25.1	25.2
Dissolved Oxygen mg/L	8.7	6.8	7.2	7.5	6.9	6.6
Conductivity µmhos (mmhos)	2.00	2.16	2.13	1.99	2.21	2.27
(initials) Measured by:	MF	MF	MF	MF	MF	MF
(initials) Recorded by:	CR	MF	MF	MF	MF	MF

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

V.1 2/24/04

Bioassay Parameters

no entries this pg CAP

LIMS Sample # : _____ **Test # :** _____ **of** _____

TEST SOP: TA07_ _____ Test Species: *Ceriodaphnia dubia Cyprinella leedsi Pimephales promelas Americamysis bahia Menidia beryllina* Other:_____

V.1 2/24/04

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

V.1 2/24/04

FDEP Biology Section - Acute 4/24 Screen Bioassay Bench Sheets

Facility: Naples

Sample Collection: Date: 3/24/04 Time: 1030 p.m.

Hold Time Start: Date: 3-25-04 Time: 0435

LIMS Job #: TLH-2004-03-26-30-03 **LIMS Sample #:** 744261

Sample: 3 of 4

Lims Data Entry: 4/8/04 MF

Instructions (for below): Circle appropriate wording. If yes is circled complete blanks.

Data Entry Verification: 4/8/04 CAP

Comments:

Test 1 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

Test 2 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

Initial sample handling:

PH adjustment : yes (no) Initial pH NaOH N HCl N Drops mL Final pH

Aeration : (yes) no Initial DO: 9.9 mg/L Final DO: ~8.4 mg/L Duration: 15 minutes Rate: ~100 bubbles/min

Salinity adjusted (Test 1): (yes) no Initial Salinity: 6.969 Final Salinity: ~7.0 (Salts) Hypersaline brine

Salinity adjusted (Test 2): (yes) no Initial Salinity: Final Salinity: (Salts) Hypersaline brine

Dechlorination: yes (no) Sodium Thiosulfate added: ml/L

Water Quality Parameters	Original Sample	Method	Measured by	Verified by
Field Total Residual Cl2 (mg/L):	not measured		—	CAP
Lab Total Residual Cl2 (mg/L):	<0.03	HACH	CAP	MF
Alkalinity (mg/L as $CaCO_3$):	97	HACH	JD	~~JD~~ CAP
Hardness (mg/L as $CaCO_3$):	284	HACH	JD	CAP
Total Ammonia (mg/L as N):	<0.017	DENVER	MF	CAP
Salinity (ppt):	0.967	YSI	MF	CAP

[redacted]

FDEP Biology Section - - Bioassay Bench Sheet

Survival

LIMS Sample #: 744261 **Test #:** 1 **Test Started: Date** 3/26/04 **Time:** 2:45

Organism: A. bahia **Test Ended: Date** 3-30-04 **Time:** 2:00

Organism Batch: #81 **Diluent/ Batch:** ASW / #15

Organism Age: 3 day **Food:** YCT *P. subcapitata* *Artemia* (circled)

Chamber Size 1000 **mL** **Batch:** ___ ___ 0194025G

Test Volume 500 **mL** **Feeding:** Prior to test (circled) Prior to renewal (circled) Daily (circled)

Concentration	Replicate	Chamber #	Test Hour: 0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTRL	A	D17	5	5	5	5	5	5
	B	D18	5	5	5	5	5	5
	C	D19	5	5	5	5	5	5
	D	D20	5	5	5	5	5	5
100%	A	D21	5	5	5	5	5	5
	B	D22	5	5	5	5	5	5
	C	D23	5	5	5	5	5	5
	D	D24	5	5	5	5	5	4 1D
Organisms loaded by: CHP		Checked by: (initials)	MF	MF	MF	MF	CHP	CHP

Loading Verified by: MF

Comments:

m = missing d = dead BR = before renewal AR = after renewal

Test Results:

% mortality in 100% sample 5%

LC_{50}: >100% If Calculated: 95% CI ______ Method: ______

Screening Tests: Report LC50 as >100%, =100%, or <100%.

Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

FDEP Biology Section - - Bioassay Bench Sheet

Survival

LIMS Sample #: 744261 Test #: 2 Test Started: Date 3/26/04 Time: 3:00

Organism: M. bahia Test Ended: Date 3/30/04 Time: 9:00

Organism Batch: #11 Diluent/ Batch: ASW / #15

Organism Age: 11 day Food: YCT *P. subcapitata* *Artemia* 0144025 G

Chamber Size 1000 mL Batch: ___ ___

Test Volume 500 mL Feeding: Prior to test - Prior to renewal - Daily

Concentration	Replicate	Chamber #	Test Hour 0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTRL	A	F13	5	5	5	5	5	5
	B	F14	5	5	5	5	5	5
	C	F15	5	5	5	5	5	5
	D	F16	5	4ID	4	4	4	4
100%	A	F17	5	5	5	5	5	5
	B	F18	5	5	5	5	5	5
	C	F19	5	5	5	5	5	5
	D	F20	5	5	5	5	5	5

Organisms loaded by: CAP Checked by: MF MF MF MF CAP CAP

Loading Verified by: MF (initials)

m = missing d = dead BR = before renewal AR = after renewal

Comments:

Test Results:

% mortality in 100% sample 0%

LC_{50}: >100% If Calculated: 95% CI ___ Method: ___

Screening Tests: Report LC50 as >100%, =100%, or <100%.

Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

Bioassay Parameters

LIMS Sample # : 744261 **Test # :** 1 **of** 2

TEST SOP: TA07_ 03 **Test Species:** *Ceriodaphnia dubia* *Cyprinella leedsi* *Pimephales promelas* *Americamysis bahia* *Menidia beryllina* Other:_____

V.1 2/24/04

Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate CTRL	A	B	C	C	D	A
pH (S.U.)	8.3	8.2	8.0	8.1	8.1	8.0
Temperature °C	24.0	24.0	24.3	24.6	26.5	25.3
Dissolved Oxygen mg/L	8.4	6.7	5.6	7.1	6.2	5.8
Conductivity µmhos (mmhos)	11.8	11.7	12.5	10.9	10.8	11.0
(initials) Measured by:	MF	MF	MF	MF	MF	MF
(initials) Recorded by:	CAP	MF	MF	MF	MF	MF

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.2	8.1	7.9	8.0	7.9	7.9
Temperature °C	24.2	24.0	24.0	24.2	26.4	25.7
Dissolved Oxygen mg/L	8.4	6.7	6.0	7.0	6.8	5.9
Conductivity µmhos (mmhos)	11.0	11.1	11.6	10.4	11.1	11.1
(initials) Measured by:	MF	MF	MF	MF	MF	MF
(initials) Recorded by:	CAP	MF	MF	MF	MF	MF

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

V.1 2/24/04

000016

Bioassay Parameters

LIMS Sample # : 744261 **Test # :** 2 **of** 2

TEST SOP: TA07_ 04 **Test Species:** *Ceriodaphnia dubia Cyprinella leedsi Pimephales promelas Americamysis bahia ~~Menidia beryllina~~* Other:_____

V.1 2/24/04

Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.2	8.2	8.3	8.1	8.2	8.1
Temperature °C	24.2	24.0	25.0	24.7	25.3	25.9
Dissolved Oxygen mg/L	8.7	7.0	6.8	7.4	7.0	6.4
Conductivity ~~µmhos~~ mmhos	2.22	2.21	2.03	2.14	2.17	2.42
(initials) Measured by:	MF	MF	MF	MF	MF	MF
(initials) Recorded by:	CH	MF	MF	MF	MF	MF

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	7.7	7.9	8.1	7.6	7.9	7.9
Temperature °C	24.4	24.1	24.1	24.2	25.3	25.8
Dissolved Oxygen mg/L	8.7	7.1	7.0	7.4	7.0	6.4
Conductivity ~~µmhos~~ mmhos	1.91	2.19	2.03	1.88	1.97	2.20
(initials) Measured by:	MF	MF	MF	MF	MF	MF
(initials) Recorded by:	CH	MF	MF	MF	MF	MF

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:



V.1 2/24/04

Appendix 7

Habitat Assessment Field Sheets.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
MARINE PHYSICAL/CHEMICAL CHARACTERIZATION FIELD DATA SHEET (4/25/00)

LAT/LONGS:	STORET STATION NUMBER:	DATE (M/D/Y):	TIME	RECEIVING BODY OF WATER:
	28030071	3/24/04	1355	Gordon River to Naples Bay

REMARKS:	COUNTY:	SITE LOCATION:	FIELD ID/NAME:
outgoing tide		Naples WWTP	Station 1

RIPARIAN ZONE/INSTREAM FEATURES

Predominant Land-Use in Watershed (specify relative percent in each category):

Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industrial	Other (Specify)

Local Watershed Erosion (check box): None ☐ Slight ☐ Moderate ☐ Heavy ☐

Local Watershed NPS Pollution (check box): No evidence ☐ Slight ☐ Moderate potential ☐ Obvious sources ☐

Width of riparian vegetation (m) on least buffered side: 1m

Draw aerial view sketch of sampling area including habitats and community types

Tide Types and Times

Artificially Channelized ☐ no ☐ ☐ ☐ ☐
Artificially Impounded ☐ yes
recent, severe | some recovery | mostly recovered, more sinuous

High Water Mark: [ ] (m above present water level) + [ ] (present depth in m) = [ ] (m above bed)

Canopy Cover % : Open : ☑ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐

SEDIMENT/SUBSTRATE

Sediment Odors: Normal: ☐ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Anaerobic: ☐ Other: ☐

Sediment Oils: Absent: ☐ Slight: ☐ Moderate: ☐ Profuse: ☐

Sediment Deposition: Sludge: ☐ Sand smothering: none ☐ slight ☐ moderate ☐ severe ☐ Silt smothering: none ☐ slight ☐ moderate ☐ severe ☐ Other:

Substrate Types	% coverage	# times sampled	method	Substrate Types	% coverage	# times sampled	method
Seagrass				Sand			
Rock or Shell Rubble				Mud/Muck/Silt			
Aquatic Vegetation				Other:			

Community Types
Mangroves ☑ Oyster bars ☐ Reef ☐ Natural beach ☐ Other: ☐

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (umho/cm) or Salinity (ppt):			Secchi (m):
~~Top~~ Mid	0.6	23.8	7.8	8.0	16.5			
~~Mid-depth~~								
Bottom	1.0	23.6	7.8	7.7	18.8			

System Type : Stream: ☐ (1st - 2nd order 3rd - 4th order 5th - 6th order 7th order or greater) Estuary: ☑ Other: ☐

Water Odors (check box): Normal: ☑ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Other: ☐

Water Surface Oils (check box): None: ☑ Sheen: ☐ Globs: ☐ Slick: ☐

Clarity (check box): Clear: ☐ Slightly turbid: ☐ Turbid: ☑ Opaque: ☐

Color (check box): Tannic: ☐ Green (algae): ☐ Clear: ☑ Other: ☐

Weather Conditions/Notes:
26° 9' 7.1"
81° 47' 9.1"

Abundance:	Absent	Rare	Common	Abundant
Periphyton	☐	☑ →	☐	☐
Fish	☐	☐	☑	☐
Aquatic Macrophytes	☐	☐	☐	☐
Iron/sulfur Bacteria	☑	☐	☐	☐

SAMPLING TEAM:	SIGNATURE:	DATE:
Lewings, K Espy, J. Espy		

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
MARINE BENTHIC HABITAT ASSESSMENT FIELD DATA SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	DATE (M/D/Y):	RECEIVING BODY OF WATER:
		3/25/04	Gordon River

REMARKS:	LOCATION:	FIELD ID/NAME:
Boat Marina across River approx. 40m	Naples WWTP	Station 1 closest downstream

Habitat Parameter / Score	Excellent	Good	Fair	Poor
Littoral Alterations: 3	None—Unaltered shoreline. 9-10 points	Mostly natural shoreline, but with occasional riprap. 6-8 points	Shoreline consisting mostly of riprap and vertical seawalls. 3-5 points	Shoreline consisting almost entirely of vertical seawalls. 0-2 points
Community Types Observed: 26	At least four communities observed from the following list: mangrove swamp, marsh, oyster bar, grass bed, reef, saltern, natural beach, or tidal creek. 38-50 points	Two or three communities observed from those listed. 26-37 points	One community observed from those listed. 13-25 points	No communities observed from those listed. 0-12 points
Tidal Fluctuation: 3	>0.75 m. 4-5 points	0.5 - 0.75 m. 3 points	0.25 - 0.5 m. 2 points	<0.25 m. 0-1 point
Freshwater Discharges/ Alterations: 4	Only natural runoff.. 9-10 points	Mostly natural runoff, but with a few, small stormwater sources. 6-8 points	Considerable stormwater discharge from local roads, parking lots, etc. 3-5 points	Extensive manmade discharges, especially from canals draining large tracts of land. 0-2 points
Flow and Wave Action: 9	Light to moderate wave action present except under the harshest weather conditions. Flow unrestricted by manmade structures. 9-10 points	—	—	Heavy wave action sometimes present even during average weather conditions, or flow restricted by manmade structures so that velocities are very high. 0-2 points
Sediment Type: 10	Combination of sand, gravel, and shell. 12-15 points	Primarily sand, with small areas of mud. 8-11 points	Mixture of sand and mud, or well-aerated mud only. 4-7 points	Anaerobic mud. 0-3 points

TOTAL SCORE: 51

COMMENTS:

ANALYSIS DATE:	ANALYST:	SIGNATURE:
3/25/04	K ESRI	

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
MARINE PHYSICAL/CHEMICAL CHARACTERIZATION FIELD DATA SHEET (4/25/00)

LAT/LONGS:	STORET STATION NUMBER:	DATE (M/D/Y):	TIME	RECEIVING BODY OF WATER:
	28030072	3/24/04	1610	Gordon River to Naples Bay

REMARKS:	COUNTY:	SITE LOCATION:	FIELD ID/NAME:
outgoing tide		Naples WWTP	Station 2

RIPARIAN ZONE/INSTREAM FEATURES

Predominant Land-Use in Watershed (specify relative percent in each category):

Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industrial	Other (Specify)

Local Watershed Erosion (check box): None ☐ Slight ☐ Moderate ☐ Heavy ☐

Local Watershed NPS Pollution (check box): No evidence ☐ Slight ☐ Moderate potential ☐ Obvious sources ☐

Width of riparian vegetation (m) on least buffered side: 1m

Draw aerial view sketch of sampling area including habitats and community types

Artificially Channelized ☐ no ☐ recent, severe ☐ some recovery ☐ mostly recovered, more sinuous

Artificially Impounded ☐ yes

High Water Mark: ____ (m above present water level) + ____ (present depth in m) = ____ (m above bed)

Tide Types and Times

	AM/PM		AM/PM
:		:	
:		:	

Canopy Cover % : Open : ☑ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐

SEDIMENT/SUBSTRATE

Sediment Odors: Normal: ☐ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Anaerobic: ☐ Other: ☐ _____

Sediment Oils: Absent: ☐ Slight: ☐ Moderate: ☐ Profuse: ☐

Sediment Deposition: Sludge: ☐ Sand smothering: none ☐ slight ☐ moderate ☐ severe ☐ Silt smothering: none ☐ slight ☐ moderate ☐ severe ☐ Other:

Substrate Types	% coverage	# times sampled	method	Substrate Types	% coverage	# times sampled	method
Seagrass				Sand			
Rock or Shell Rubble				Mud/Muck/Silt			
Aquatic Vegetation				Other:			

Community Types

Mangroves ☑ Oyster bars ☐ Reef ☐ Natural beach ☐ Other: ☐ _____

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):			Secchi (m):
Top	0.3	23.8	7.7	7.6	15.3			
Mid-depth	0.6	23.8	7.6	7.5	17.6			
Bottom	1.1	23.0	7.7	7.0	25.3			

System Type : Stream: ☐ (1st - 2nd order / 3rd - 4th order / 5th - 6th order / 7th order or greater) Estuary: ☑ Other: ☐ _____

Water Odors (check box): Normal: ☑ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Other: ☐ _____

Water Surface Oils (check box): None: ☑ Sheen: ☐ Globs: ☐ Slick: ☐

Clarity (check box): Clear: ☐ Slightly turbid: ☐ Turbid: ☑ Opaque: ☐

Color (check box): Tannic: ☐ Green (algae): ☐ Clear: ☑ Other: ☐ _____

Weather Conditions/Notes:

26° 9' 6.5"
81° 47' 9.1"

Abundance:	Absent	Rare	Common	Abundant
Periphyton	☐	☑	☐	☐
Fish	☐	☐	☑	☐
Aquatic Macrophytes	☐	☐	☐	☐
Iron/sulfur Bacteria	☑	☐	☐	☐

SAMPLING TEAM:	SIGNATURE:	DATE:
LEVINGS, K. ESPY, J. ESPY		

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
MARINE BENTHIC HABITAT ASSESSMENT FIELD DATA SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	DATE (M/D/Y):	RECEIVING BODY OF WATER:
		3/25/04	Gordon River

REMARKS:	LOCATION:	FIELD ID/NAME:
	Nayle's WWTP	Station 2 mid-downstream

Habitat Parameter / Score	Excellent	Good	Fair	Poor
Littoral Alterations: 6	None—Unaltered shoreline. 9-10 points	Mostly natural shoreline, but with occasional riprap. 6-8 points	Shoreline consisting mostly of riprap and vertical seawalls. 3-5 points	Shoreline consisting almost entirely of vertical seawalls. 0-2 points
Community Types Observed: 26	At least four communities observed from the following list: mangrove swamp, marsh, oyster bar, grass bed, reef, saltern, natural beach, or tidal creek. 38-50 points	Two or three communities observed from those listed. 26-37 points	One community observed from those listed. 13-25 points	No communities observed from those listed. 0-12 points
Tidal Fluctuation: 3	>0.75 m. 4-5 points	0.5 - 0.75 m. 3 points	0.25 - 0.5 m. 2 points	<0.25 m. 0-1 point
Freshwater Discharges/ Alterations: 4	Only natural runoff.. 9-10 points	Mostly natural runoff, but with a few, small stormwater sources. 6-8 points	Considerable stormwater discharge from local roads, parking lots, etc. 3-5 points	Extensive manmade discharges, especially from canals draining large tracts of land. 0-2 points
Flow and Wave Action: 9	Light to moderate wave action present except under the harshest weather conditions. Flow unrestricted by manmade structures. 9-10 points	—	—	Heavy wave action sometimes present even during average weather conditions, or flow restricted by manmade structures so that velocities are very high. 0-2 points
Sediment Type: 7	Combination of sand, gravel, and shell. 12-15 points	Primarily sand, with small areas of mud. 8-11 points	Mixture of sand and mud, or well-aerated mud only. 4-7 points	Anaerobic mud. 0-3 points

TOTAL SCORE: 55

COMMENTS:

ANALYSIS DATE:	ANALYST:	SIGNATURE:
3/25/04	L. Espy	

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
MARINE PHYSICAL/CHEMICAL CHARACTERIZATION FIELD DATA SHEET (4/25/00)

LAT/LONGS:	STORET STATION NUMBER:	DATE (M/D/Y):	TIME	RECEIVING BODY OF WATER:
	28030073	3/24/04	1620	Gordon River to Naples Bay

REMARKS:	COUNTY:	SITE LOCATION:	FIELD ID/NAME:
outgoing tide		Naples WWTP	Station 3

RIPARIAN ZONE/INSTREAM FEATURES

Predominant Land-Use in Watershed (specify relative percent in each category):

Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industrial	Other (Specify)

Local Watershed Erosion (check box): None ☐ Slight ☐ Moderate ☐ Heavy ☐

Local Watershed NPS Pollution (check box): No evidence ☐ Slight ☐ Moderate potential ☐ Obvious sources ☐

Width of riparian vegetation (m) on least buffered side: 1m

Draw aerial view sketch of sampling area including habitats and community types

Artificially Channelized ☐ no ☐ recent, severe ☐ some recovery ☐ mostly recovered, more sinuous

Artificially Impounded ☐ yes

High Water Mark: ____ (m above present water level) + ____ (present depth in m) = ____ (m above bed)

Tide Types and Times

	AM/PM		AM/PM
:		:	
:		:	

Canopy Cover % : Open : ☑ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐

SEDIMENT/SUBSTRATE

Sediment Odors: Normal: ☐ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Anaerobic: ☐ Other: ☐ _____

Sediment Oils: Absent: ☐ Slight: ☐ Moderate: ☐ Profuse: ☐

Sediment Deposition: Sludge: ☐ Sand smothering: none ☐ slight ☐ moderate ☐ severe ☐ Silt smothering: none ☐ slight ☐ moderate ☐ severe ☐ Other:

Substrate Types	% coverage	# times sampled	method	Substrate Types	% coverage	# times sampled	method
Seagrass				Sand			
Rock or Shell Rubble				Mud/Muck/Silt			
Aquatic Vegetation				Other:			

Community Types

Mangroves ☑ Oyster bars ☐ Reef ☐ Natural beach ☐ Other: ☐ _____

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) ~~or Salinity (ppt):~~			Secchi (m):
Top	0.1	23.6	7.7	7.5	17.6			
Mid-depth	0.6	23.6	7.7	7.4	18.3			
Bottom	1.0	22.8	7.6	6.8	27.7			

System Type : Stream: ☐ (1st - 2nd order ☐ 3rd - 4th order ☐ 5th - 6th order ☐ 7th order or greater ☐) Estuary: ☑ Other: ☐ _____

Water Odors (check box): Normal: ☑ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Other: ☐ _____

Water Surface Oils (check box): None: ☑ Sheen: ☐ Globs: ☐ Slick: ☐

Clarity (check box): Clear: ☐ Slightly turbid: ☐ Turbid: ☑ Opaque: ☐

Color (check box): Tannic: ☐ Green (algae): ☐ Clear: ☑ Other: ☐ _____

Weather Conditions/Notes:

26° 9' 5.8"
81° 47' 9.1"

Abundance:	Absent	Rare	Common	Abundant
Periphyton	☐	☑	☐	☐
Fish	☐	☐	☑	☐
Aquatic Macrophytes	☐	☐	☐	☐
Iron/sulfur Bacteria	☑	☐	☐	☐

SAMPLING TEAM:	SIGNATURE:	DATE:
LEVINGS, K. ESPY, J. ESPY		

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
MARINE BENTHIC HABITAT ASSESSMENT FIELD DATA SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	DATE (M/D/Y):	RECEIVING BODY OF WATER:
		3/25/04	Gordon River

REMARKS:	LOCATION: Naples WWTP	FIELD ID/NAME:
		station 3 downstream

Habitat Parameter / Score	Excellent	Good	Fair	Poor
Littoral Alterations: 8	None—Unaltered shoreline. 9-10 points	Mostly natural shoreline, but with occasional riprap. 6-8 points	Shoreline consisting mostly of riprap and vertical seawalls. 3-5 points	Shoreline consisting almost entirely of vertical seawalls. 0-2 points
Community Types Observed: 26	At least four communities observed from the following list: mangrove swamp, marsh, oyster bar, grass bed, reef, saltern, natural beach, or tidal creek. 38-50 points	Two or three communities observed from those listed. 26-37 points	One community observed from those listed. 13-25 points	No communities observed from those listed. 0-12 points
Tidal Fluctuation: 3	>0.75 m. 4-5 points	0.5 - 0.75 m. 3 points	0.25 - 0.5 m. 2 points	<0.25 m. 0-1 point
Freshwater Discharges/ Alterations: 7	Only natural runoff.. 9-10 points	Mostly natural runoff, but with a few, small stormwater sources. 6-8 points	Considerable stormwater discharge from local roads, parking lots, etc. 3-5 points	Extensive manmade discharges, especially from canals draining large tracts of land. 0-2 points
Flow and Wave Action: 9	Light to moderate wave action present except under the harshest weather conditions. Flow unrestricted by manmade structures. 9-10 points	—	—	Heavy wave action sometimes present even during average weather conditions, or flow restricted by manmade structures so that velocities are very high. 0-2 points
Sediment Type: 7	Combination of sand, gravel, and shell. 12-15 points	Primarily sand, with small areas of mud. 8-11 points	Mixture of sand and mud, or well-aerated mud only. 4-7 points	Anaerobic mud. 0-3 points

TOTAL SCORE: 60

COMMENTS:

ANALYSIS DATE:	ANALYST:	SIGNATURE:
3/25/04	K. Espy	

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
MARINE PHYSICAL/CHEMICAL CHARACTERIZATION FIELD DATA SHEET (4/25/00)

LAT/LONGS:	STORET STATION NUMBER:	DATE (M/D/Y):	TIME	RECEIVING BODY OF WATER:
	28030074	3/25/04	0915	Gordon River

REMARKS:	COUNTY:	SITE LOCATION:	FIELD ID/NAME:
		Naples WWTP	Station 4

RIPARIAN ZONE/INSTREAM FEATURES

Predominant Land-Use in Watershed (specify relative percent in each category):

Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industrial	Other (Specify)
☐	☐	☐	☐	☐	☑	☑	☐

Local Watershed Erosion (check box): None ☐ Slight ☐ Moderate ☐ Heavy ☑

Local Watershed NPS Pollution (check box): No evidence ☐ Slight ☐ Moderate potential ☑ Obvious sources ☐

Width of riparian vegetation (m) on least buffered side:

Draw aerial view sketch of sampling area including habitats and community types

Artificially Channelized ☐ no ☐ recent, severe ☑ some recovery ☐ mostly recovered, more sinuous

Artificially Impounded ☐ yes

High Water Mark: ____ (m above present water level) + ____ (present depth in m) = ____ (m above bed)

Tide Types and Times

Incoming : AM/PM ____ : AM/PM

: AM/PM ____ : AM/PM

Canopy Cover % : Open : ☑ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐

SEDIMENT/SUBSTRATE

Sediment Odors: Normal: ☐ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Anaerobic: ☐ Other: ☐ ____

Sediment Oils: Absent: ☐ Slight: ☐ Moderate: ☐ Profuse: ☐

Sediment Deposition: Sludge: ☐ Sand smothering: none ☐ slight ☐ moderate ☐ severe ☐ Silt smothering: none ☐ slight ☐ moderate ☐ severe ☐ Other:

Substrate Types	% coverage	# times sampled	method	Substrate Types	% coverage	# times sampled	method
Seagrass				Sand			
Rock or Shell Rubble				Mud/Muck/Silt			
Aquatic Vegetation				Other:			

Community Types

Mangroves ☐ Oyster bars ☐ Reef ☐ Natural beach ☐ Other: ☐ ____

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt): Sal			Secchi (m):
Top	.3	21.7	7.49	6.63	19974	11.9		VOB 1.0
Mid-depth	.6	21.9	7.3	6.1	33402	21.8		
Bottom	1.0	22.1	7.4	5.2	41350	26.4		

System Type : Stream: ☐ (1st - 2nd order ☐ 3rd - 4th order ☐ 5th - 6th order ☐ 7th order or greater) Estuary: ☑ Other: ☐ ____

Water Odors (check box): Normal: ☑ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Other: ☐ ____

Water Surface Oils (check box): None: ☑ Sheen: ☐ Globs: ☐ Slick: ☐

Clarity (check box): Clear: ☐ Slightly turbid: ☐ Turbid: ☑ Opaque: ☐

Color (check box): Tannic: ☐ Green (algae): ☑ Clear: ☐ Other: ☐ ____

Weather Conditions/Notes:

26 09'07.4
81° 47' 08.8
pH <2

~~1st~~ 1st Sta Tim upstream of plant— eff. flowing upstream

Abundance:	Absent	Rare	Common	Abundant
Periphyton	☐	☑	☐	☐
Fish	☐	☐	☑	☐
Aquatic Macrophytes	☑	☐	☐	☐
Iron/sulfur Bacteria	☑	☐	☐	☐

SAMPLING TEAM:	SIGNATURE:	DATE:
Levings, Espy, Espy		25 III 04

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
MARINE BENTHIC HABITAT ASSESSMENT FIELD DATA SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	DATE (M/D/Y):	RECEIVING BODY OF WATER:
		3/25/24	Gordon River

REMARKS:	LOCATION:	FIELD ID/NAME:
Boat Marina across river approx. 40 m	Naples WWTP	Station 4 closest upstream

Habitat Parameter / Score	Excellent	Good	Fair	Poor
Littoral Alterations: 3	None—Unaltered shoreline. 9-10 points	Mostly natural shoreline, but with occasional riprap. 6-8 points	Shoreline consisting mostly of riprap and vertical seawalls. 3-5 points	Shoreline consisting almost entirely of vertical seawalls. 0-2 points
Community Types Observed: 26	At least four communities observed from the following list: mangrove swamp, marsh, oyster bar, grass bed, reef, saltern, natural beach, or tidal creek. 38-50 points	Two or three communities observed from those listed. 26-37 points	One community observed from those listed. 13-25 points	No communities observed from those listed. 0-12 points
Tidal Fluctuation: 3	>0.75 m. 4-5 points	0.5 - 0.75 m. 3 points	0.25 - 0.5 m. 2 points	<0.25 m. 0-1 point
Freshwater Discharges/ Alterations: 3	Only natural runoff.. 9-10 points	Mostly natural runoff, but with a few, small stormwater sources. 6-8 points	Considerable stormwater discharge from local roads, parking lots, etc. 3-5 points	Extensive manmade discharges, especially from canals draining large tracts of land. 0-2 points
Flow and Wave Action: 9	Light to moderate wave action present except under the harshest weather conditions. Flow unrestricted by manmade structures. 9-10 points	—	—	Heavy wave action sometimes present even during average weather conditions, or flow restricted by manmade structures so that velocities are very high. 0-2 points
Sediment Type: 6	Combination of sand, gravel, and shell. 12-15 points	Primarily sand, with small areas of mud. 8-11 points	Mixture of sand and mud, or well-aerated mud only. 4-7 points	Anaerobic mud. 0-3 points

TOTAL SCORE 50

COMMENTS:

ANALYSIS DATE:	ANALYST:	SIGNATURE:
3/25/24	L. Espy	

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
MARINE PHYSICAL/CHEMICAL CHARACTERIZATION FIELD DATA SHEET (4/25/00)

LAT/LONGS:	STORET STATION NUMBER:	DATE (M/D/Y):	TIME	RECEIVING BODY OF WATER:
	20030075	3/25/04	0930	Gordon River

REMARKS:	COUNTY:	SITE LOCATION:	FIELD ID/NAME:
		Naples WWTP	Station 5

RIPARIAN ZONE/INSTREAM FEATURES

Predominant Land-Use in Watershed (specify relative percent in each category):

Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industrial	Other (Specify)
					✓	✓	

Local Watershed Erosion (check box): None ☐ Slight ☐ Moderate ☐ Heavy ☒

Local Watershed NPS Pollution (check box): No evidence ☐ Slight ☐ Moderate potential ☐ Obvious sources ☒

Width of riparian vegetation (m) on least buffered side:

Draw aerial view sketch of sampling area including habitats and community types

Artificially Channelized ☐ no ☐ recent, severe ☒ some recovery ☐ mostly recovered, more sinuous

Artificially Impounded ☐ yes

High Water Mark: ____ (m above present water level) + ____ (present depth in m) = ____ (m above bed)

Tide Types and Times

Incoming : AM/PM ~ : AM/PM

: AM/PM : AM/PM

Canopy Cover % : Open : ☒ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded:

SEDIMENT/SUBSTRATE

Sediment Odors: Normal: ☐ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Anaerobic: ☐ Other: ☐ _____

Sediment Oils: Absent: ☐ Slight: ☐ Moderate: ☐ Profuse: ☐

Sediment Deposition: Sludge: ☐ Sand smothering: none slight moderate severe Silt smothering: none slight moderate severe Other:

Substrate Types	% coverage	# times sampled	method	Substrate Types	% coverage	# times sampled	method
Seagrass				Sand			
Rock or Shell Rubble				Mud/Muck/Silt			
Aquatic Vegetation				Other:			

Community Types

Mangroves ☒ Oyster bars ☐ Reef ☐ Natural beach ☐ Other: ☐ _____

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt): Sal			Secchi (m)
Top	0.3	21.2	7.4	6.4	23667	14.4		VOB
Mid-depth	0.6	21.9 (4)	7.32	5.66	33400	23.1		1.1
Bottom	1.1	21.9	7.45	5.08	44270	28.5		

System Type : Stream: ☐ (1st - 2nd order / 3rd - 4th order / 5th - 6th order / 7th order or greater) Estuary: ☒ Other: ☐ _____

Water Odors (check box): Normal: ☒ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Other: ☐ _____

Water Surface Oils (check box): None: ☒ Sheen: ☐ Globs: ☐ Slick: ☐

Clarity (check box): Clear: ☐ Slightly turbid: ☐ Turbid: ☒ Opaque: ☐

Color (check box): Tannic: ☐ Green (algae): ☒ Clear: ☐ Other: ☐ _____

Weather Conditions/Notes:

2nd upstream Station

26° 09' 08.0

81° 47' 08.5

pH < 2

Abundance:	Absent	Rare	Common	Abundant
Periphyton	☐	☒	☐	☐
Fish	☐	☐	☒	☐
Aquatic Macrophytes	☒	☐	☐	☐
Iron/sulfur Bacteria	☒	☐	☐	☐

SAMPLING TEAM:	SIGNATURE:	DATE:
Lewis, Espy, Espy		25 Mar 04

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
MARINE BENTHIC HABITAT ASSESSMENT FIELD DATA SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	DATE (M/D/Y):	RECEIVING BODY OF WATER:
		3/25/04	Gordon River

REMARKS:	LOCATION:	FIELD ID/NAME:
	Naples WWTP	station 5 mid-upstream

Habitat Parameter / Score	Excellent	Good	Fair	Poor
Littoral Alterations: 8	None—Unaltered shoreline. 9-10 points	Mostly natural shoreline, but with occasional riprap. 6-8 points	Shoreline consisting mostly of riprap and vertical seawalls. 3-5 points	Shoreline consisting almost entirely of vertical seawalls. 0-2 points
Community Types Observed: 20	At least four communities observed from the following list: mangrove swamp, marsh, oyster bar, grass bed, reef, saltern, natural beach, or tidal creek. 38-50 points	Two or three communities observed from those listed. 26-37 points	One community observed from those listed. 13-25 points	No communities observed from those listed. 0-12 points
Tidal Fluctuation: 3	>0.75 m. 4-5 points	0.5 - 0.75 m. 3 points	0.25 - 0.5 m. 2 points	<0.25 m. 0-1 point
Freshwater Discharges/ Alterations: 3	Only natural runoff.. 9-10 points	Mostly natural runoff, but with a few, small stormwater sources. 6-8 points	Considerable stormwater discharge from local roads, parking lots, etc. 3-5 points	Extensive manmade discharges, especially from canals draining large tracts of land. 0-2 points
Flow and Wave Action: 9	Light to moderate wave action present except under the harshest weather conditions. Flow unrestricted by manmade structures. 9-10 points	—	—	Heavy wave action sometimes present even during average weather conditions, or flow restricted by manmade structures so that velocities are very high. 0-2 points
Sediment Type: 8	Combination of sand, gravel, and shell. 12-15 points	Primarily sand, with small areas of mud. 8-11 points	Mixture of sand and mud, or well-aerated mud only. 4-7 points	Anaerobic mud. 0-3 points

TOTAL SCORE: 57

COMMENTS:

ANALYSIS DATE:	ANALYST:	SIGNATURE:
3/25/04	K. Espy	

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
MARINE PHYSICAL/CHEMICAL CHARACTERIZATION FIELD DATA SHEET (4/25/00)

LAT/LONGS:	STORET STATION NUMBER:	DATE (M/D/Y):	TIME	RECEIVING BODY OF WATER:
		3-25-04	0945	Gordon River

REMARKS:	COUNTY:	SITE LOCATION:	FIELD ID/NAME:
	Collier	Naples WWTP	Station 6

RIPARIAN ZONE/INSTREAM FEATURES

Predominant Land-Use in Watershed (specify relative percent in each category):

Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industrial	Other (Specify)
					✓	✓	

Local Watershed Erosion (check box): None ☐ Slight ☐ Moderate ☐ Heavy ☐

Local Watershed NPS Pollution (check box): No evidence ☐ Slight ☐ Moderate potential ☐ Obvious sources ☐

Width of riparian vegetation (m) on least buffered side: NS

Draw aerial view sketch of sampling area including habitats and community types

Artificially Channelized ☐ no ☐ yes

Artificially Impounded ☐ yes

☐ recent, severe ☑ some recovery ☐ mostly recovered, more sinuous

High Water Mark: ____ (m above present water level) + ____ (present depth in m) = ____ (m above bed)

Tide Types and Times

Incoming: ____ AM/PM : ____ AM/PM

____ AM/PM : ____ AM/PM

Canopy Cover % : Open ☐ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐

SEDIMENT/SUBSTRATE

Sediment Odors: Normal: ☐ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Anaerobic: ☐ Other: ☐ ____

Sediment Oils: Absent: ☐ Slight: ☐ Moderate: ☐ Profuse: ☐

Sediment Deposition: Sludge: ☐ Sand smothering: none ☐ slight ☐ moderate ☐ severe ☐ Silt smothering: none ☐ slight ☐ moderate ☐ severe ☐ Other:

Substrate Types	% coverage	# times sampled	method	Substrate Types	% coverage	# times sampled	method
Seagrass				Sand			
Rock or Shell Rubble				Mud/Muck/Silt			
Aquatic Vegetation				Other:			

Community Types

Mangroves ☑ Oyster bars ☐ Reef ☐ Natural beach ☐ Other: ☐ ____

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt): Sal			Secchi (m):
Top	0.3	21.3	7.4	6.42	24935	15.18		1.4 m
Mid-depth	0.6	21.3	7.34	5.81	33,950	20.6		
Bottom	1.2	21.7	7.47	5.3	44451	28.9		

System Type : Stream: ☐ (1st - 2nd order ☐ 3rd - 4th order ☐ 5th - 6th order ☐ 7th order or greater ☐) Estuary: ☒ Other: ☐ ____

Water Odors (check box): Normal: ☐ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Other: ☐ ____

Water Surface Oils (check box): None: ☑ Sheen: ☐ Globs: ☐ Slick: ☐

Clarity (check box): Clear: ☐ Slightly turbid: ☐ Turbid: ☑ Opaque: ☐

Color (check box): Tannic: ☐ Green (algae): ☑ Clear: ☐ Other: ☐ ____

Weather Conditions/Notes:

26° 09' 08.8

81° 47' 08.0

pH <2

Abundance:	Absent	Rare	Common	Abundant
Periphyton	☐	☑	☐	☐
Fish	☐	☐	☑	☐
Aquatic Macrophytes	☑	☐	☐	☐
Iron/sulfur Bacteria	☑	☐	☐	☐

SAMPLING TEAM:	SIGNATURE:	DATE:
Levings, Espy, Espy		25 III 04

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
MARINE BENTHIC HABITAT ASSESSMENT FIELD DATA SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	DATE (M/D/Y):	RECEIVING BODY OF WATER:
		3/25/04	Gordon River

REMARKS:	LOCATION: Naples WWTP	FIELD ID NAME: Station 6 Farthest upstream

Habitat Parameter / Score	Excellent	Good	Fair	Poor
Littoral Alterations: 9	None—Unaltered shoreline. 9-10 points	Mostly natural shoreline, but with occasional riprap. 6-8 points	Shoreline consisting mostly of riprap and vertical seawalls. 3-5 points	Shoreline consisting almost entirely of vertical seawalls. 0-2 points
Community Types Observed: 26	At least four communities observed from the following list: mangrove swamp, marsh, oyster bar, grass bed, reef, saltern, natural beach, or tidal creek. 38-50 points	Two or three communities observed from those listed. 26-37 points	One community observed from those listed. 13-25 points	No communities observed from those listed. 0-12 points
Tidal Fluctuation: 3	>0.75 m. 4-5 points	0.5 - 0.75 m. 3 points	0.25 - 0.5 m. 2 points	<0.25 m. 0-1 point
Freshwater Discharges/ Alterations: 4	Only natural runoff.. 9-10 points	Mostly natural runoff, but with a few, small stormwater sources. 6-8 points	Considerable stormwater discharge from local roads, parking lots, etc. 3-5 points	Extensive manmade discharges, especially from canals draining large tracts of land. 0-2 points
Flow and Wave Action: 9	Light to moderate wave action present except under the harshest weather conditions. Flow unrestricted by manmade structures. 9-10 points	—	—	Heavy wave action sometimes present even during average weather conditions, or flow restricted by manmade structures so that velocities are very high. 0-2 points
Sediment Type: 8	Combination of sand, gravel, and shell. 12-15 points	Primarily sand, with small areas of mud. 8-11 points	Mixture of sand and mud, or well-aerated mud only. 4-7 points	Anaerobic mud. 0-3 points

TOTAL SCORE: 59

COMMENTS:

ANALYSIS DATE:	ANALYST:	SIGNATURE:
3/25/04	L. Espy	

Appendix 8a

Benthic macroinvertebrates collected from ponar samples from upstream and downstream of the Naples WWTP facility (3/25/04). Taxa collected and density (average number of individuals/m^2)(collapsed) rounded to the nearest individual (n = 5 samples/site). See SOP LT 7100 sect. 4.2.1 for method on collapsing taxa.

	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6
Annelida						
Hirudinea						
Hirudinea	-	-	28	-	28	-
Polychaeta						
Capitella capitata complex	28	236	139	42	28	-
Dorvilleidae	-	-	14	-	-	-
Eteone heteropoda	-	-	28	-	28	-
Glycinde sp.	-	-	14	-	-	-
Heteromastus sp.	-	-	-	-	-	14
Heteromastus filiformis	-	14	97	56	42	-
Hobsonia florida	14	-	14	-	-	14
Laeonereis culveri	250	178	570	694	1,250	4,056
Leitoscoloplos sp.	14	-	-	-	-	-
Mediomastus sp.	-	-	-	14	-	-
Nereis pelagica	-	16	-	-	-	-
Phyllodoce sp.	14	-	-	-	-	-
Phyllodocidae	-	-	-	14	-	-
Polydora sp.	-	14	-	-	-	-
Polydora cornuta	-	-	-	-	-	28
Scolelepis sp.	-	14	-	-	-	-
Streblospio sp.	639	1,097	1,625	1,208	500	417
Arthropoda						
Crustacea						
Amphipoda						
Ampelisca abdita	180	139	236	69	167	69
Aoridae	14	28	14	28	28	292
Apocorophium louisianum	14	14	236	669	1,806	3,306
Cerapus sp.	-	-	-	15	14	28
Grandidierella bonnieroides	653	486	708	1,413	1,694	1,597
Ischyroceridae	-	-	-	-	-	14
Cumacea						
Almyracuma proximoculi	14	-	28	292	236	334
Cyclaspis varians	167	361	264	14	125	14
Oxyurostylis smithi	-	14	-	-	-	-
Isopoda						
Cyathura polita	-	-	70	28	-	-
Edotea triloba	14	125	125	28	28	14
Xenanthura brevitelson	-	-	14	-	-	-
Mysidacea						
Americamysis almyra	111	181	278	139	56	-
Bowmaniella sp.	-	-	-	-	-	14
Bowmaniella floridana	28	-	-	-	-	-
Tanaidacea						
Hargeria rapax	-	-	42	-	-	-
Leptocheliidae	-	-	-	-	-	14
Insecta						
Diptera						
Ceratopogonidae	-	28	28	14	-	-
Chironomus sp.	-	21	-	-	-	-
Polypedilum scalaenum grp.	42	63	139	208	97	42

continued on next page

Appendix 8a (continued)

	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6
Mollusca						
Bivalvia						
Tagelus plebeius	14	-	83	-	-	-
Tellina sp.	-	-	14	14	-	-
Gastropoda						
Hydrobiidae	28	42	-	42	42	83
Opisthobranchia	-	14	-	-	-	-
Undetermined Gastropoda	-	-	14	-	-	-
Nemertea						
Nemertea	42	14	14	28	28	-
Platyhelminthes						
Polycladida	14	-	28	28	42	42

Appendix 8b

Benthic macroinvertebrates collected in ponar samples from upstream and downstream of the Naples WWTP facility (3/25/04). Taxa collected and total number of individuals counted (n = 5 samples/site).

	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6
Annelida						
Hirudinea						
Undetermined Hirudinea	-	-	2	-	2	-
Polychaeta						
Capitella capitata complex	2	17	10	3	2	-
Dorvilleidae	-	-	1	-	-	-
Eteone heteropoda	-	-	2	-	2	-
Glycinde sp.	-	-	1	-	-	-
Heteromastus sp.	-	-	6	-	2	1
Heteromastus filiformis	-	1	1	4	1	-
Hobsonia florida	1	-	1	-	-	1
Laeonereis culveri	13	11	41	22	48	101
Leitoscoloplos sp.	1	-	-	-	-	-
Mediomastus sp.	-	-	-	1	-	-
Nereididae	5	2	-	28	42	191
Nereis pelagica	-	1	-	-	-	-
Phyllodoce sp.	1	-	-	-	-	-
Phyllodocidae	-	-	-	1	-	-
Polydora sp.	-	1	-	-	-	-
Polydora cornuta	-	-	-	-	-	2
Scolelepis sp.	-	1	-	-	-	-
Streblospio sp.	46	79	117	87	36	30
Arthropoda						
Crustacea						
Amphipoda						
Ampelisca sp.	2	7	10	4	2	3
Ampelisca abdita	11	3	7	1	10	2
Aoridae	1	2	1	2	2	21
Apocorophium sp.	-	-	7	14	62	98
Apocorophium louisianum	1	1	10	31	68	140
Cerapus sp.	-	-	-	1	1	2
Corophiidae	1	1	-	10	-	-
Grandidierella bonnieroides	46	34	51	95	122	115
Ischyroceridae	-	-	-	-	-	1
Cumacea						
Almyracuma proximoculi	1	-	2	21	17	24
Cyclaspis varians	12	26	19	1	9	1
Oxyurostylis smithi	-	1	-	-	-	-
Isopoda						
Cyathura polita	-	-	5	2	-	-
Edotea triloba	1	9	9	2	2	1
Xenanthura brevitelson	-	-	1	-	-	-
Mysidacea						
Americamysis almyra	8	11	20	10	3	-
Bowmaniella sp.	-	-	-	-	-	1
Bowmaniella floridana	2	-	-	-	-	-
Undetermined Mysidacea	-	2	-	-	1	-
Tanaidacea						
Hargeria rapax	-	-	2	-	-	-
Leptocheliidae	-	-	1	-	-	1

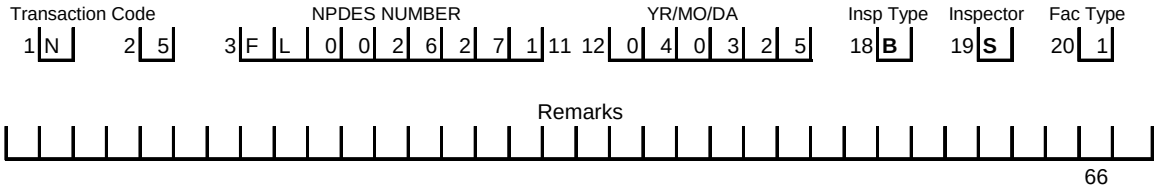
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Appendix 8b (continued)

	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6
Insecta						
Diptera						
Ceratopogonidae	-	2	2	1	-	-
Chironomidae	-	2	-	-	-	-
Chironomus sp.	-	1	-	-	-	-
Polypedilum scalaenum grp.	3	3	10	15	7	3
Mollusca						
Bivalvia						
Tagelus plebeius	1	-	6	-	-	-
Tellina sp.	-	-	1	1	-	-
Gastropoda						
Hydrobiidae	2	2	-	3	3	6
Opisthobranchia	-	1	-	-	-	-
Undetermined Gastropoda	-	1	1	-	-	-
Nemertea						
Nemertea	3	1	1	2	2	-
Platyhelminthes						
Polycladida	1	-	2	2	3	3

The Bioassay of Naples WWTP effluent sampled on March 25, 2004, NPDES #FL0026271.

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)



The Priority Pollutants Analysis for Bioassay of Naples WWTP effluent sampled on March 25, 2004, NPDES #FL0026271.

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)

