GOVERNMENT OF THE DISTRICT OF COLUMBIA
WASHINGTON, DC

Municipal Separate Storm Sewer System
NPDES Permit No. DC0000221

DISCHARGE MONITORING REPORT

May 2004

Anthony A. Williams
Mayor

Submitted by:

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DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY
5000 OVERLOOK AVENUE, S.W. WASHINGTON, D.C. 20032

MAY 5 2004

Mr. Jon M. Capacasa, Director
Water Protection Division 3WP13
U.S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Subject: National Pollutant Discharge Elimination System
Municipal Separate Storm Sewer System Permit No. DC0000221:
2004 Discharge Monitoring Report

Dear Mr. Capacasa,

In accordance with Part III.A of the referenced NPDES Permit, and as outlined in our April 13, 2004 correspondence, the District of Columbia is pleased to submit for your review and comment the 2004 Discharge Monitoring Report, together with the original, signed Discharge Monitoring Report Forms. The Discharge Monitoring Report includes sampling data collected from March 19, 2003 until March 19, 2004.

Please note the following regarding the enclosed Discharge Monitoring Report Forms:

- The Ft. Lincoln-Newton BMP and E. Capitol St sample locations are in the Anacostia watershed sample set and were removed from the permit in Amendment #2 dated March 19, 2003. These forms have been returned blank, and unsigned.

- The preprinted comment on the bottom of each sheet has been modified to read, "... location and name changed..." to be factually correct.

Enclosed also is a letter from DC DOH regarding the collected data. Please call if we can provide any clarification to the materials included with this submittal.

Sincerely,

Michael S. Marcotte, PE, DEE
Acting Storm Water Administrator

Enclosures

Cc: Mr. Jerry N. Johnson, Water and Sewer Authority
Mr. Natwar Gandhi, Chief Financial Officer
Mr. Herbert Tillery, Department of Health
Mr. William Holland, Department of Public Works
Mr. Daniel Tangherlini, Department of Transportation
Mr. Bruce Brennan, Office of Corporation Counsel

DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY
WASHINGTON, D.C.

Municipal Separate Storm Sewer System
NPDES Permit No. DC0000221

2004 Discharge Monitoring Report

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Washington, D.C.

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INTRODUCTION

National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) – Permit No. DC 0000221 (the Permit) requires monitoring of storm event discharges to characterize the quality of storm water discharges, monitoring of dry weather flows to detect illicit connections and improper discharges, and wet weather screening to further investigate excessive levels of pollutants.

This report describes the monitoring sites, sample collection, record keeping, monitoring results, and estimates of loadings that have occurred since January 2003.

MONITORING STATIONS

On January 12, 2001, the EPA issued Amendment No. 1 to the NPDES Permit, which approved nine monitoring locations along the Anacostia River and added a new subsection as a modification of the Permit. These nine stations were selected, per 122.26(d)(2)(iii)(A), based on representative land use in their drainage basins, drainage basin areas, and hydraulic conditions in the storm sewer lines upstream for the outfalls. The new subsection further specified when the Permit may be reopened and modified in order to address additional modifications deemed as necessary by EPA to meet applicable requirements under the Clean Water Act.

As such, six new monitoring stations were approved by the U.S. Environmental Protection Agency (EPA) Region III Director on March 19, 2003 for this period of the permit (Appendix A). These six monitoring stations are deemed representative of the land use in the Rock Creek drainage basin. In order to better characterize discharges from MS4 to Rock Creek, two additional sites were added to the wet weather sampling and include Site 7 (Portal and 16th) and Site 8 (Broad Branch). A listing of the eight sampling stations and their associated acreages is provided in Table 1. The acreage for each location was calculated by tracing the tributaries to the sampling location on a WASA sewer map, identifying drainage areas contributing to the tributaries, creating a grid of those areas based on the scale from the sewer map, and converting

grid units to the desired unit of measurement. A street level map of the sites is provided in Appendix B. The land uses associated with the monitoring sites are provided in Appendix C.

TABLE 1 – MONITORING SITES

Site Number	Sampling Location	Estimated Acreage of Drainage Area
1	Walter Reed – Fort Stevens Drive	25
2	Military Road and Beach Drive	37
3	Soapstone Creek – Connecticut Ave and Ablemarle Street	330
4	Melvin Hazen Valley Branch – Melvin Hazen Park and Quebec Street	146
5	Klingle Valley Creek – Devonshire Place and 30th Street	52
6	Normanstone Creek – Normanstone Drive and Normanstone Parkway	45
7	Portal and 16th Street	*
8	Broad Branch – Broad Branch and 30th St., NW near the Ivory Coast Embassy.	540

* No acreage of drainage area has been estimated because much of the drainage area is in Maryland.

Each of the sites is to be monitored for three (3) wet weather events per year. At sites with dry weather flows, samples are collected two (2) times per year. A dry weather sample was collected at Sites 1, 2, 3, 4, 5, and 6 and a wet weather sample was collected at Sites 1, 2, 5, 7, and 8. Samples are collected in accordance with the Permit and monitoring requirements at 40 CFR 122.26 (d)(2)(iii), by Maryland Environmental Services (MES), a contractor. The dates that samples were collected are provided in Appendix D.

The collection of the required data for this discharge monitoring reporting cycle was hindered by weather patterns during the period of November 2003 through March 2004, and the practice of rotating the automatic samplers between sets of sites after the three wet weather storm events are collected. A review of weather information collected by the national Weather Service (at Washington National Airport) shows that only an average of 2.8 storm events per month met the greater than 0.1 inch rainfall and at least 72 hours between 0.1 inch rainfall storm events permit criteria during the November to March period.

During FY 2002, the Department of Health (DOH) Water Quality Division (WQD) decided to collect MS4-related water samples and to procure a contract to analyze the samples. The Hickey

Run site samples would be collected by DOH. The process for identifying laboratories that could analyze the samples was initiated in October 2002. A request to procure the contract was sent in ay 2003 after D.C. budget continuing resolution and DOH MS4 budget loading delays were resolved. The contract was not certified by the DOH Contracts and Procurement office until August 2003 with a contract end date of September 2003. A decision not to analyze samples using the August 2003 contract was made. The sample analysis contract process was again started in October 2003. To date, DC WASA is still working to get the MS4 funds for FY 2004 loaded. Consequently, representative monitoring data from the Hickey Run site is not available for inclusion in this DMR reporting cycle. Monthly ambient water quality monitoring of Hickey Run, however, indicates that oil and grease analyses were less than 5 mg/L (Table 2).

TABLE 2. AMBIENT OIL AND GREASE MONITORING AT HICKEY RUN, JANUARY – NOVEMBER 2003.

Date	Site	Oil & Grease (mg/L)
January 6, 2003	THR01	<5
	THR05	<5
February 3, 2003	THR01	<5
	THR05	<5
March 17, 2003	THR01	<5
	TDP05	<5
April 14, 2003	THR01	<5
	TDP05	<5
May 12, 2003	THR01	<5
	TDP05	<5
June 9, 2003	THR01	<5
	TDP05	<5
July 14, 2003	THR01	<5
	TDP05	<5
August 11, 2003	THR01	<5
	TDP05	<5
September 9, 2003	THR01	<5
	THR05	<5
October 14, 2003	TDP01	<5
	THR05	<5
November 11, 2003	TDP01	<5
	THR05	<5

WEATHER INFORMATION

Table 3a shows the actual, normal, and average precipitation for Washington, D.C. for the period of January 2003 through December 2003. Table 3b provides historic, monthly rain data for the Washington, D.C. area.

TABLE 3a– 2003 PRECIPITATION RECORD FOR WASHINGTON, D.C.

Precipitation			
Month	**Actual (in.)**	**Normal (in.)**	**Average (in.)**
January	2.86*	3.21	2.81
February	9.85*	2.63	2.61
March	4.21*	3.60	3.52
April	2.55	2.77	2.84
May	7.06	3.82	3.73
June	7.87	3.13	3.19
July	5.76	3.66	3.88
August	4.65	3.44	3.97
September	6.87	3.79	3.38
October	3.93	3.22	3.06
November	4.23	3.03	2.99
December	6.87*	3.05	3.13

Data are from Ronald Reagan National Airport; Source: NOAA, National Weather Service and Accuweather.
*During months with rainfall and snowfall, a conversion factor (10 in. snow = 1 in. rain) was used to calculate values

TABLE 3b – MONTHLY RAIN DATA SUMMARY FROM THE NATIONAL AIRPORT DATABASE, 1949-1996

Monthly Average				Event Averages					
			#	Precipitation (in.)			Duration (hours)		
Month	**Precipitation (in.)**	**Intensity (in./hr)**	**Storm Events**	**50%**	**100%**	**150%**	**50%**	**100%**	**150%**
January	2.81	0.04	7.3	0.19	0.38	0.57	4.7	9.3	13.9
February	2.61	0.04	6.5	0.20	0.39	0.59	4.6	9.2	13.8
March	3.52	0.05	8.3	0.21	0.42	0.63	4.4	8.8	13.2
April	2.84	0.05	7.5	0.18	0.36	0.54	3.7	7.5	11.2
May	3.73	0.06	8.9	0.21	0.41	0.62	3.2	6.3	9.5
June	3.19	0.09	7.0	0.22	0.44	0.66	2.4	4.7	7.0
July	3.88	0.11	7.8	0.25	0.49	0.74	2.3	4.5	6.8
August	3.97	0.11	6.8	0.29	0.58	0.87	2.6	5.1	7.7
September	3.38	0.08	6.2	0.27	0.54	0.81	3.3	6.7	10.0
October	3.06	0.07	5.4	0.28	0.55	0.83	4.1	8.2	12.4
November	2.99	0.06	6.2	0.24	0.48	0.72	4.2	8.4	12.7
December	3.13	0.05	6.4	0.24	0.48	0.72	5.0	9.9	14.9
Average	**3.26**	**0.07**	**7.0**	**0.23**	**0.46**	**0.69**	**3.7**	**7.4**	**11.1**

Two data logging rain gauges were installed and used to represent the District of Columbia's wet weather sampling stations for 2003. These rain gauges were able to record the rainfall event for more than one monitoring station. Selected rain gauge site locations and the monitoring stations they represent are presented in Table 4. Rain events for which samples were collected are provided in Table 5. Narrative descriptions for storm events are provided in Appendix E.

TABLE 4 – LOCATION OF TWO RAIN GAUGES REPRESENTING THE DISTRICT OF COLUMBIA'S MONITORING STATIONS

Rain Gauge	Location Description	Represented Monitoring Station(s)
#2	Military and Beach	1, 2
#7	Portal and 16th	5, 7, 8

TABLE 5 – STORM EVENTS SAMPLED AT TWO OF THE DISTRICT OF COLUMBIA'S RAIN GAUGE LOCATIONS

Date	Precipitation (in.)	Duration (hr)	Time to Previous (hr)	Gauge Location	Sites Sampled
9/12/03	1.1	24.5	186	#2	1, 2
10/14/03	1.3	3.5	401	#7	5, 7, 8

SAMPLE COLLECTION

The list of sampled parameters, the detection limits, and EPA-approved methods utilized for monitoring activities are included in Appendix F. A Quality Assurance Project Plan (QAPP) for the wet and dry weather monitoring is provided in Appendix G.

RECORDKEEPING

DOH maintains the records of monitoring information including:

- Description of Sampling
  - Location/Collection Time
  - Sampling Collection
  - Field Test
  - MES personnel who collected samples
- Storm Event Data
  - Date and duration of the storm events samples

- Rainfall measurements
- Duration between storm event sampled and the end of the previous measurable storm event
- Estimate of the total volume of the discharge sampled

- Sampling Difficulties/Field Notes
- QA/QC Review and Clarification
  - Field Test Results
  - Laboratory Results Tables
  - Atlantic Coast Laboratories Data
  - Lancaster Laboratories Data
  - Triangle Laboratories Data
  - Martel Laboratories Data

MONITORING RESULTS

Monitoring results for the wet weather sampling events are reported on discharge monitoring report (DMR) forms. Copies of the completed DMR forms for the monitoring results are provided in Appendix H.

Ambient water quality data collected during the wet and dry weather sampling events are summarized in Table 6.

TABLE 6 – AMBIENT WATER QUALITY DATA FOR SIX ROCK CREEK STATIONS DURING WET WEATHER AND DRY WEATHER SAMPLING EVENTS.

Station	Time	pH (s.u.)	Temp (°C)	Total Residual Chlorine (mg/L)	DO (mg/L)
Ft. Stevens (wet)	1345	6.65	19.8	0.08	1.74
Ft. Stevens (dry)	1510	4.84	17.8	0.39	3.22
Military (wet)	1330	7.35	18.8	0.05	1.76
Military (dry)	1455	6.01	16.1	0.23	3.53
Soapstone (dry)	1410	6.75	19.3	0.15	12.2
Hazen (dry)	1130	7.01	18.9	0.11	11.10
Klingle Valley (dry)	1247	6.43	17.7	0.16	8.72
Normanstone (dry)	1220	5.54	16.9	0.04	8.96
Field Blank (dry)	1247	6.25	22.2	0.00	5.30

Analytical results of twelve priority pollutants that were collected during wet and dry weather monitoring events are provided in Table 7. Comparisons of all parameters (pesticides, PCBs, metals, BNEs, and conventional pollutants) to District of Columbia (D.C.) water quality standards are provided in Appendix I.

In November, six MS4 sites were sampled during dry weather (Appendix I, Summary of Results for all Sampling Sites). The presence of fecal coliform, fecal streptococcus and nutrients suggest that there may be contamination of storm water by sanitary wastes. Heavy metals were detected at various outfalls. Several pesticides were also detected throughout the sewershed including aldrin, chlordane, dieldrin, 4,4'-DDT, heptachlor, and heptachlor epoxide. DOH WQD will investigate these detections using available land use data, chemical specific data, and site visits. It should be noted that a better characterization of the storm water quality can be made once all of the annual wet and dry weather samples have been analyzed and average values for each parameter are calculated as required by the permit. The dry and wet weather monitoring at Rock Creek subwatershed is on-going and results of sample analyses will be reported in subsequent DMRs.

ESTIMATES OF CUMULATIVE LOADINGS

The MS4 system-wide annual pollutant loads for wet and dry weather events were calculated by the Simple Method utilizing the system-wide event mean concentrations and the total area and land use distribution within the MS4 area of the District of Columbia. The Simple Method can estimate pollutant loads without extensive rainfall-runoff volume data using the sample analysis results available. Generally, the Simple Method is expected to overestimate pollutant loads as compared to more dynamic models that incorporate pollutant concentration and runoff coefficients as functions of initial conditions and rainfall intensity and duration in estimating total pollutant loads.

The Simple Method is given by the following equation:

$$Li = 1/12 * P * CF * Rvi * Ci * Ai * 2.72 \qquad \textbf{(Equation 1)}$$

Where:

- Li = Annual Pollutant load (lb/outfall/yr)
- P = Annual Precipitation (in./yr)
- CF = Correction factor (0.9) to adjust for storms where no runoff occurs
- Rvi= Runoff coefficient for the area served by the outfall
- Ci = Event mean concentration of pollutants (mg/L)
- Ai = Sewershed area (acres)
- 1/12 = Conversion factor
- 2.72 = Conversion factor

TABLE 7 – RESULTS OF PRIORITY POLLUTANT ANALYSES (MG/L) FOR THE DISTRICT OF COLUMBIA'S MONITORING STATIONS.

Parameter	Sample Stations										
	Wet Weather					Dry Weather					
	1[a]	2[a]	5[b]	7[b]	8[b]	1[c]	2[c]	3[c]	4[c]	5[c]	6[c]
TSS	116	107	40	60	105	ND	ND	ND	ND	ND	ND
BOD	85	15	8	10	23	ND	ND	2	ND	ND	ND
COD	155	124	53	59	112	ND	ND	17	ND	ND	ND
TDS	66	112	67	110	208	507	276	329	280	254	270
Total Nitrogen	3.66	2.63	2.16	2.74	3.91	3.92	2.47	2.99	2.78	4.08	3.76
Total Kjeldhal Nitrogen	2.7	1.3	0.87	1.3	2.1	ND	ND	0.35	ND	0.41	ND
Total Phosphorus	0.40	0.21	0.30	0.23	0.53	0.06	0.06	0.11	0.04	0.10	0.04
Dissolved Phosphorus	0.35	0.14	0.24	0.17	0.54*	0.06	0.05	0.10	0.04	0.07	0.04
Cadmium	ND	ND	ND	ND	0.0008	ND	ND	ND	ND	ND	ND
Copper	0.044	0.093	0.077	0.03	0.092	ND	ND	0.007	0.007	0.012	0.013
Lead	0.018	0.031	0.107	0.013	0.028	ND	ND	ND	ND	0.006	ND
Zinc	0.147	0.229	0.057	0.132	0.128	0.01	0.005	0.018	0.013	0.027	0.009

[a] Wet weather collection – September 12, 2003
[b] Wet weather collection – October 14, 2003
[c] Dry weather collection – November 11, 2003
ND: Non-detectable concentrations
* Dissolved Phosphorus analysis was greater than Total Phosphorus for the same sampling event.

Annual precipitation for the District of Columbia was estimated as 39.1 inches by averaging 47 years (1947-1996) of annual records for Washington National Airport. The sewershed area was obtained from the sewershed coverage. A key parameter in Equation 1 is the runoff coefficient (Rvi), which is directly related to imperviousness and land use. Conventionally, a weighted average runoff coefficient for the area served by each outfall is used. A runoff coefficient for each land use category within a sewershed was estimated. Two coverages, land use and sewershed, were overlaid to generate sewershed area with a single land use category, imperviousness and runoff coefficient. Land use categories, impervious surfaces, and runoff coefficients were calculated for each category and presented in Appendix J.

A review of the estimated loadings of wet weather data for four sites (Ft. Stevens, Military Road, Klingle Valley, and Broad Branch) indicates that some metals are contributed in minor amounts, and among these, copper and zinc are the highest on average (Table 8). Moderate loads of nitrogen and phosphorus were contributed from all stations, while significant loads of suspended solids (8,200 – 238,000 pounds per year) and dissolved solids (7,600 – 473,000 ppy), COD (17,800 – 255,000 ppy), and BOD (1,600 – 52,000 ppy) are contributed from all stations.

An additional comparison of previously monitored wet weather sampling events in the Anacostia watershed and Rock Creek watershed were assessed for three specific analytes of importance: BOD, copper, and zinc. Results indicate that BOD, copper, and zinc concentrations among Rock Creek stations were generally lower than event mean concentrations for the seven Anacostia stations (Figures 1, 2, and 3).

TABLE 8. 2003 ANNUAL POLLUTANT LOADING FOR PRIORITY POLLUTANTS OF THE DISTRICT OF COLUMBIA'S MONITORING STATIONS DURING WET WEATHER EVENTS.

PARAMETER	POUNDS/YEAR
Walter Reed-Ft. Stevens (1)	
TSS	13,385.0
BOD	9,807.9
COD	17,885.1
TDS	7,615.6
TN	422.3
TKN	311.5
TP	46.2
DP	40.4
Cadmium	0
Copper	5.1
Lead	2.1
Zinc	17.0

PARAMETER	POUNDS/YEAR
Military Road & Beach Dr. (2)	
TSS	16,896.4
BOD	2,368.7
COD	19,580.9
TDS	17,685.9
TN	415.3
TKN	205.3
TP	33.2
DP	22.1
Cadmium	0
Copper	14.7
Lead	4.9
Zinc	36.2
Klingle Valley Creek (5)	
TSS	8,212.2
BOD	1,642.4
COD	10,881.1
TDS	13,755.4
TN	443.5
TKN	178.6
TP	61.6
DP	49.3
Cadmium	0
Copper	15.8
Lead	22.0
Zinc	11.7
Broad Branch (8)	
TSS	238,815
BOD	52,312
COD	254,736
TDS	473,080
TN	8,893
TKN	4,776
TP	1,205
DP	1,228
Cadmium	1.8
Copper	209.2
Lead	63.7
Zinc	291.1

FIGURE 1. COMPARISON OF BOD CONCENTRATIONS ANALYZED FROM SEVEN ANACOSTIA WATERSHED SITES AND FIVE ROCK CREEK WATERSHED SITES DURING WET WEATHER EVENTS IN 2002 AND 2003, RESPECTIVELY.

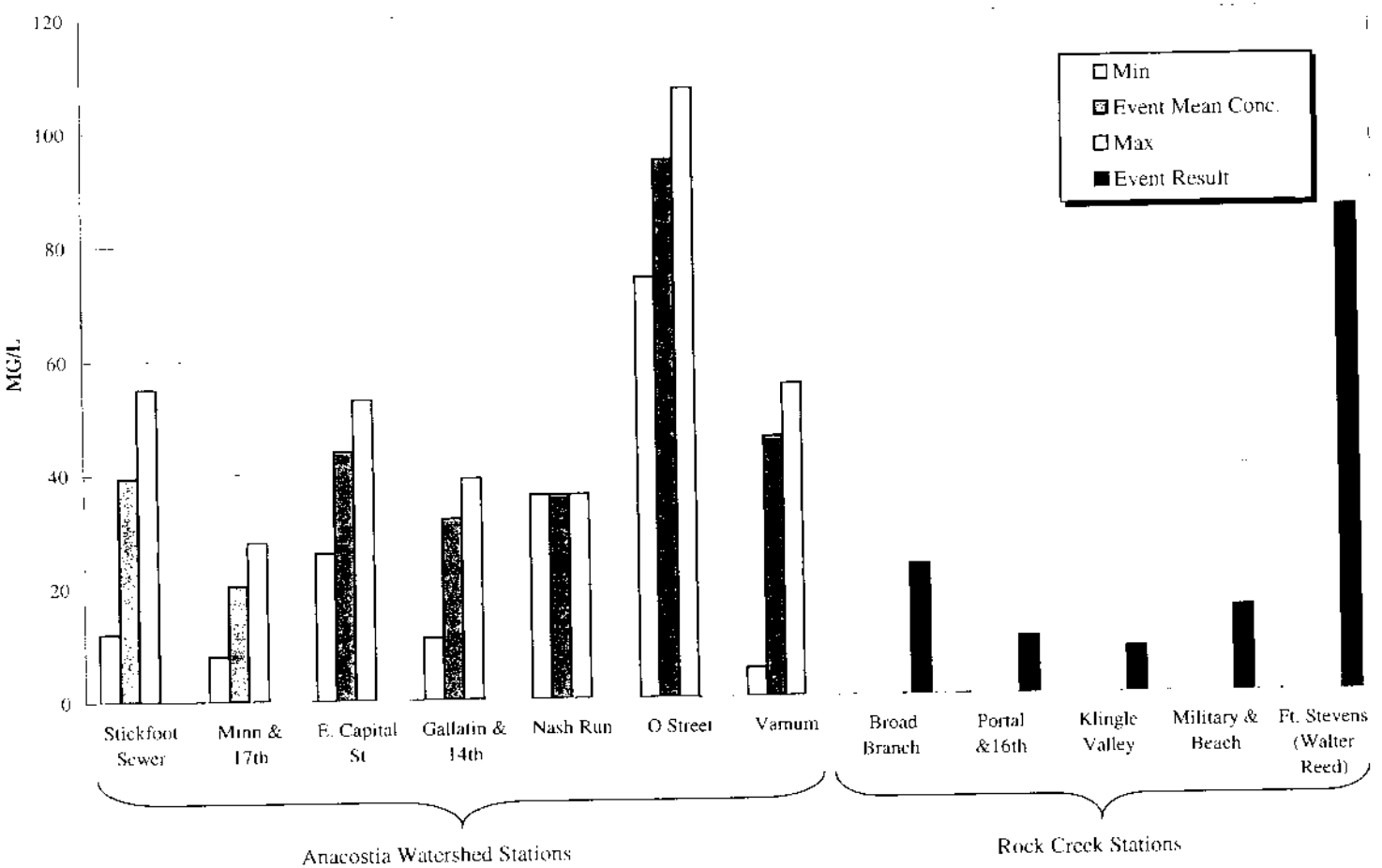


FIGURE 2. COMPARISON OF COPPER CONCENTRATIONS ANALYZED FROM SEVEN ANACOSTIA WATERSHED SITES AND FIVE ROCK CREEK WATERSHED SITES DURING WET WEATHER EVENTS IN 2002 AND 2003, RESPECTIVELY.

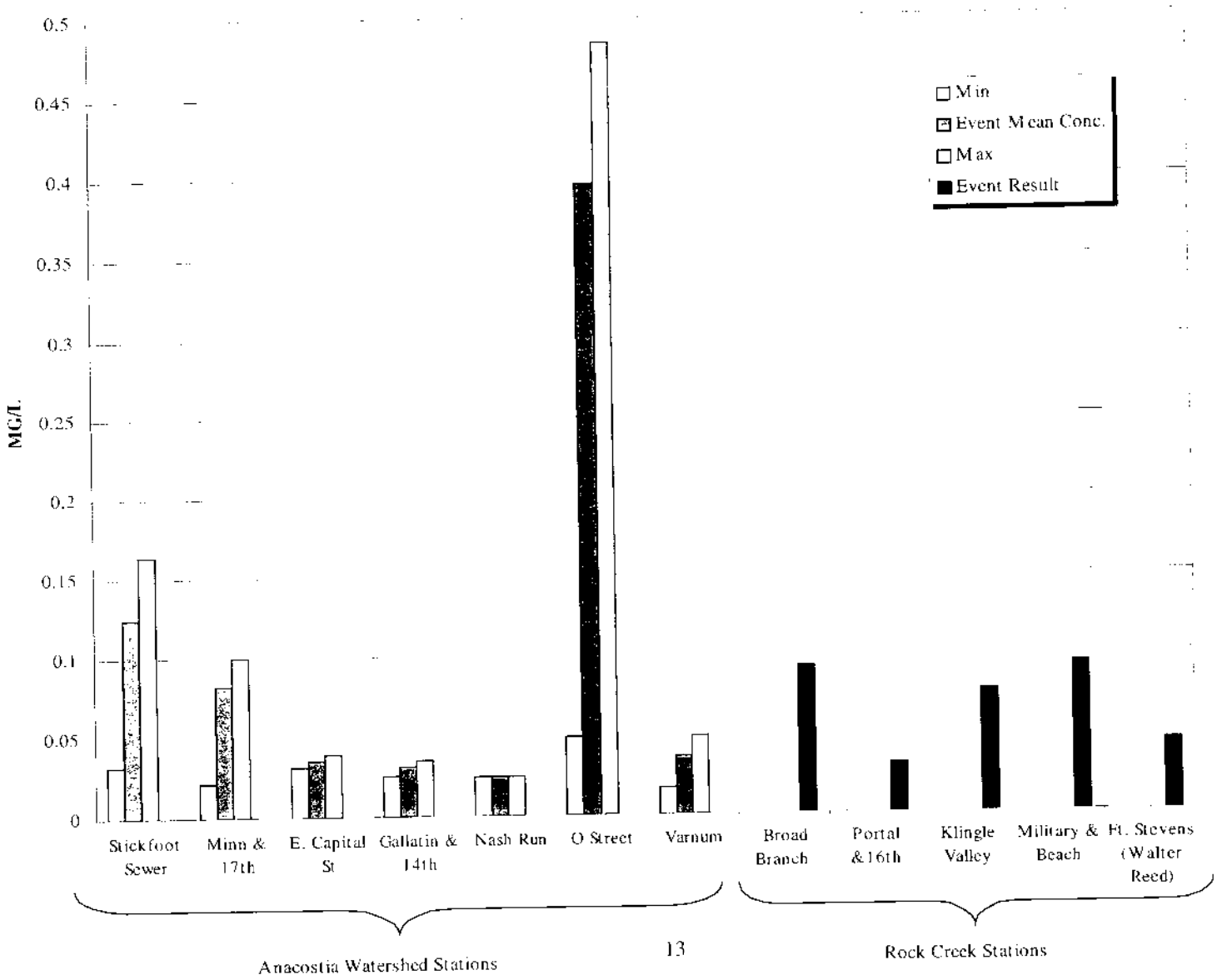
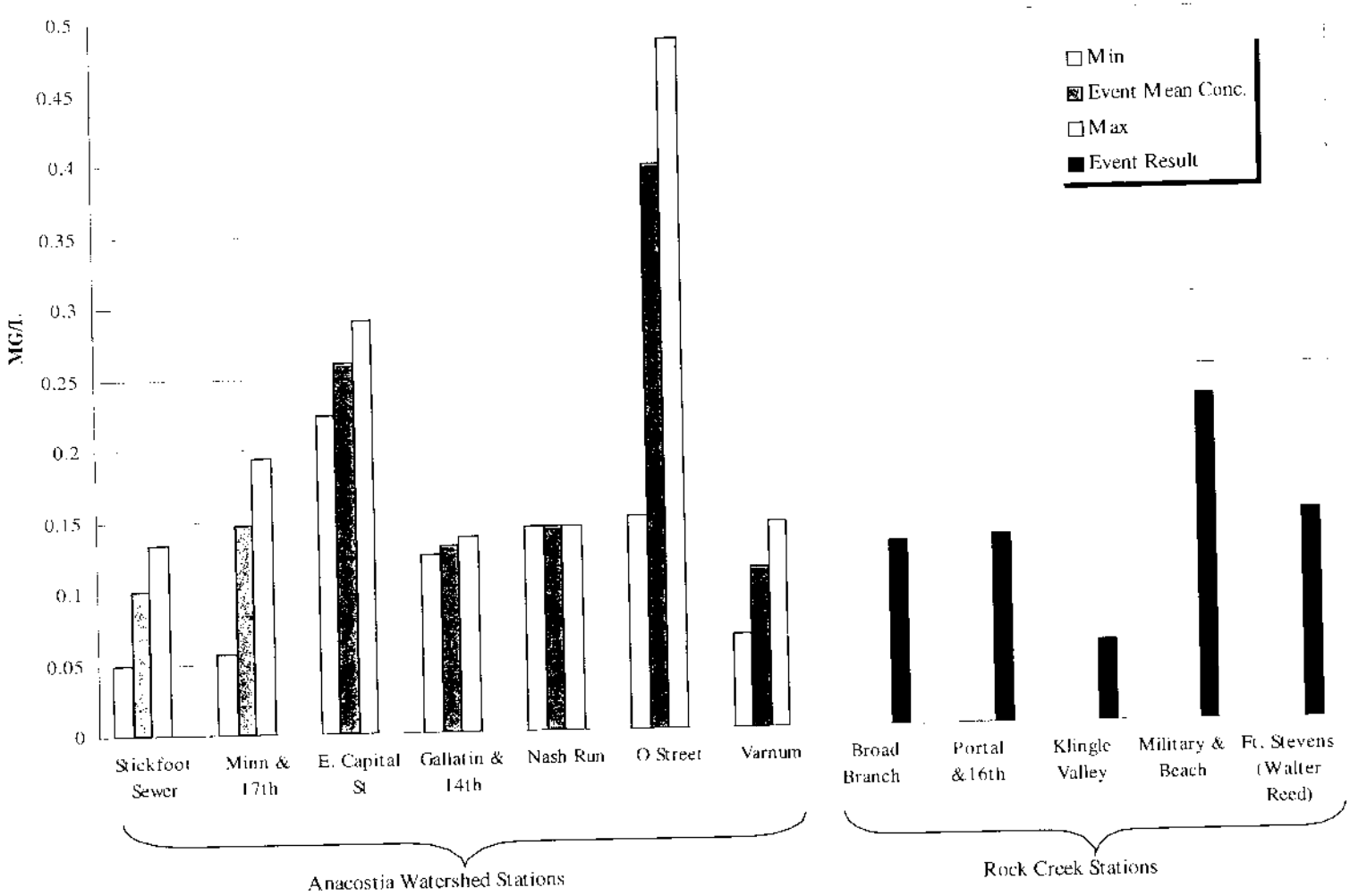


FIGURE 3. COMPARISON OF ZINC CONCENTRATIONS ANALYZED FROM SEVEN ANACOSTIA WATERSHED SITES AND FIVE ROCK CREEK WATERSHED SITES DURING WET WEATHER EVENTS IN 2002 AND 2003, RESPECTIVELY.



APPENDIX A

EPA APPROVAL OF ALTERNATE MONITORING LOCATIONS

NPDES Permit No. DC0000221
Issuance Date: April 19, 2000
Effective Date: April 19, 2000

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MUNICIPAL SEPARATE STORM WATER SEWER SYSTEM PERMIT NO. DC0000221

AMENDMENT NO. 2

In compliance with the provisions of the Clean Water Act, 33 U.S.C. 1251 et seq.

Government of the District of Columbia
441 4th Street, N.W.
Washington, D.C. 20001

is authorized to discharge from all portions of the municipal separate storm water sewer system owned and operated by the District of Columbia to receiving waters named

Potomac River, Anacostia River,
and tributaries

in accordance with the approved Storm Water Management Program(s), effluent limitations, monitoring requirements, and other conditions set forth in this Amendment Number 2 herein to Parts IV and IX of Parts I through X of the previously issued Permit and Amendment No.1.

The issuance date of this Amendment No. 2 is March 19, 2003.

This Amendment No. 2 to the Permit and the authorization to discharge shall expire at midnight, on April 19, 2003.

Signed this 19th day of March

Virginia P Fletti

for Jon M. Capacasa Acting Director
Water Protection Division
United States Environmental Protection Agency
Region III

Re: District of Columbia
Municipal Separate Storm Water Sewer System Permit
Amendment No. 2 to NPDES Permit No. DC0000221
Effective Date: March 17, 2003

On February 20, 2002, the Environmental Appeals Board (EAB) issued a final opinion regarding the Government of the District of Columbia Separate Storm Sewer System (MS4) Permit (DC 0000221), NPDES Appeal Nos. 00-14 and 00-09. Certain of the items remanded to the Region for further analysis and explanation pertaining to the current MS4 Permit dated April 19, 2000, and Amendment No.1 dated January 12, 2001, will require clarification through formal modification to the Permit. This modification which will be hereafter known as Amendment No. 2 to the Permit identifies below by subsection the additions, changes, deletions, or revisions which the Agency has determined to be appropriate and necessary for complying with portions of the February 20, 2002, EAB decision and for meeting the applicable requirements prior to the permit expiring on April 19, 2003.

PART IV. MONITORING AND REPORTING REQUIREMENTS

A.1 REPRESENTATIVE MONITORING

This Part of the Permit and associated Parts VIII.A, IX.A.5 and IX.C of the Permit which together authorize changes in representative monitoring station locations are revised to authorize any such changes(s) to the monitoring station location sites identified in the MS4 Permit (or any subsequent amendment to the Permit) only through the formal NPDES permit modification and/ or reissuance procedures set forth in 40 CFR 122.62.

A.1 REPRESENTATIVE MONITORING (TABLE 5)

The monitoring stations and outfall locations identified as MS-1 through MS-6 in Table 5 (Representative Monitoring Outfall Descriptions) of the MS4 Permit are deleted in their entirety and replaced by the following alternative Rock Creek monitoring stations and outfall locations:

1. Walter Reed (Fort Stevens Drive)

2. Military Road and Beach Drive

3. Soapstone Creek (Connecticut Avenue and Ablemarle Street)

4. Melvin Hazen Valley Branch (Melvin Hazen Park and Quebec Street)

5. Klingle Valley Creek (Devonshire Place and 30th Street)

6. Normanstone Creek (Normanstone Drive and Normanstone Parkway)

PART IX. PERMIT MODIFICATION

A. MODIFICATION OF THE PERMIT

Subsection number 5 to Part IX, Section A, of Amendment No. 1 dated January 12, 2001, to the Permit which describes when the Permit may be reopened and modified is revised to read as follows:

5. the relevant elements identified under Part III of this Permit which comprise the Upgraded Storm Water Management Program (SWMP) required to be provided in accordance with the compliance schedule shown in Table 1 of Part III of the Permit. Not withstanding language elsewhere in the Permit, the revision of the SWMP by the upgraded SWMP as required in Part III.F of the Permit shall constitute a modification of the Permit as provided in 40 CFR 122.62 (major modifications). Other interim revisions of the SWMP such as interim compliance schedule changes (up to 120 days) as provided in Parts III.A, III.B, III.E, and III.H may be accomplished through minor modifications of the Permit in accordance with 40 CFR 122.63. In addition, notwithstanding language elsewhere in the Permit, modification of the location of monitoring locations will be done only by procedures set forth in 40 CFR 122.62.

APPENDIX B

STREET LEVEL MAP OF MONITORING LOCATIONS

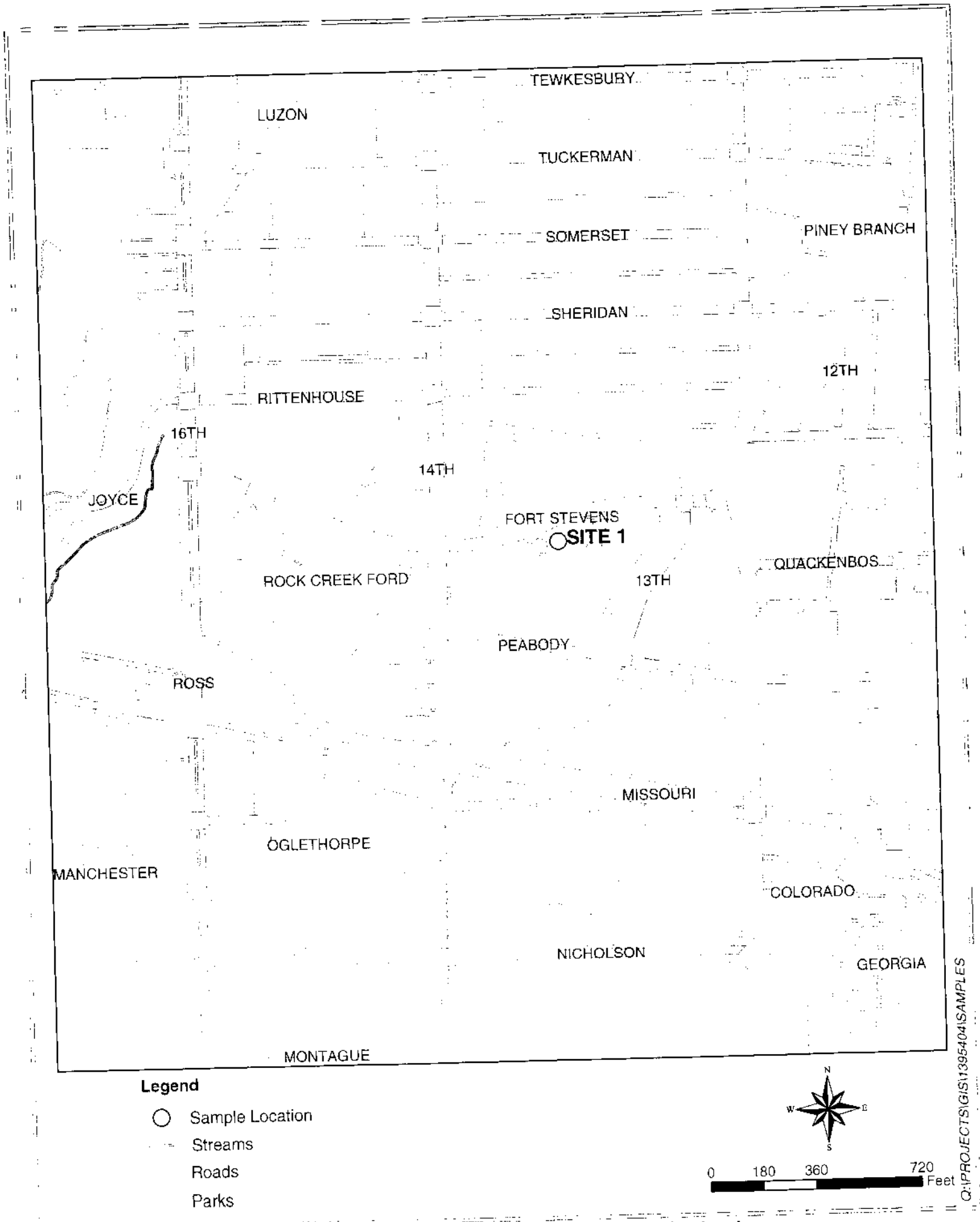


Figure B-1. Street-level Map of Monitoring Station 1: Walter Reed - Fort Stevens Drive.

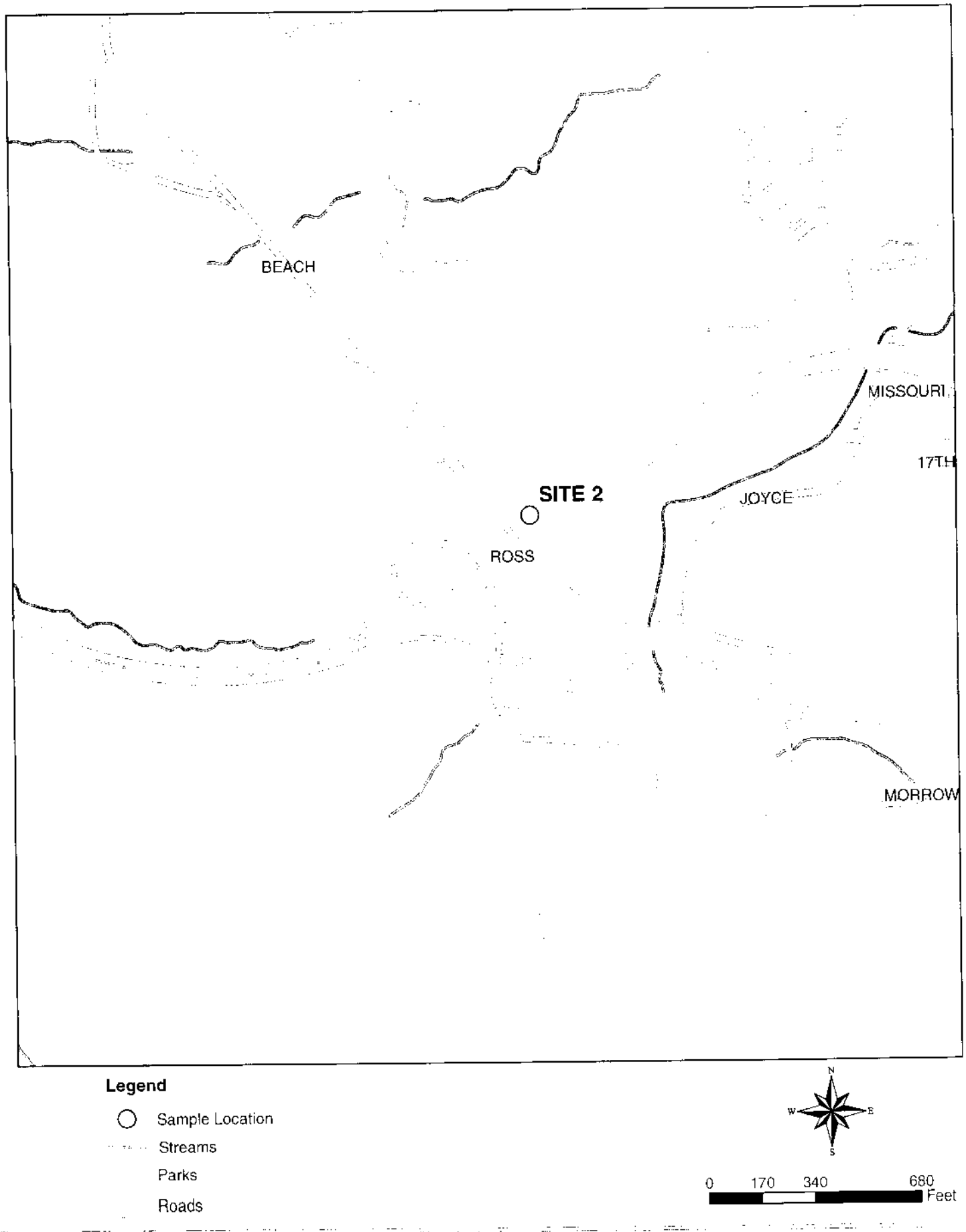


Figure B-2. Street-level Map of Monitoring Station 2: Military Road and Beach Drive.

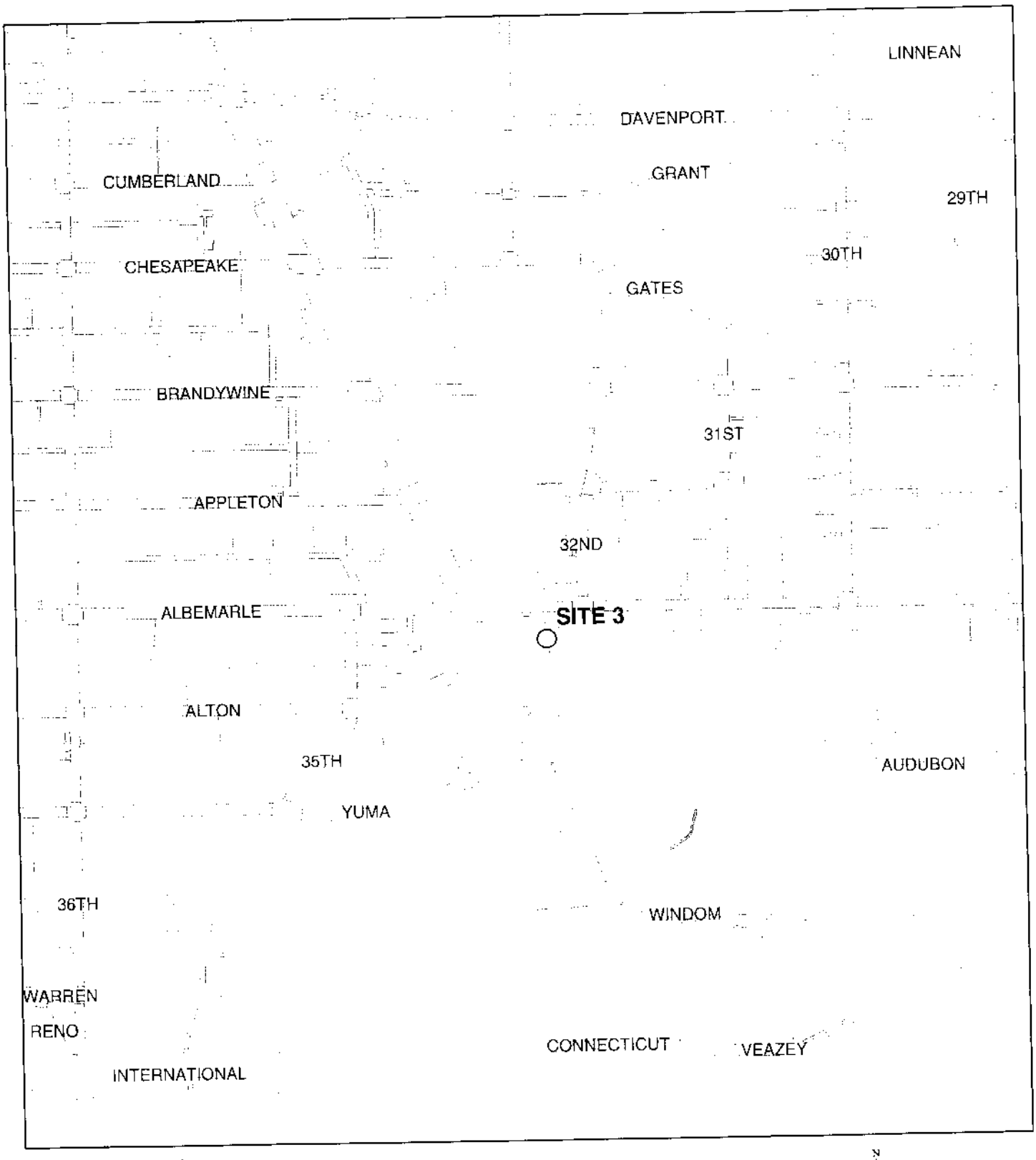


Figure B-3. Street-level Map of Monitoring Station 3: Soapstone Creek at Conneticut Ave. and Ablemarle St.

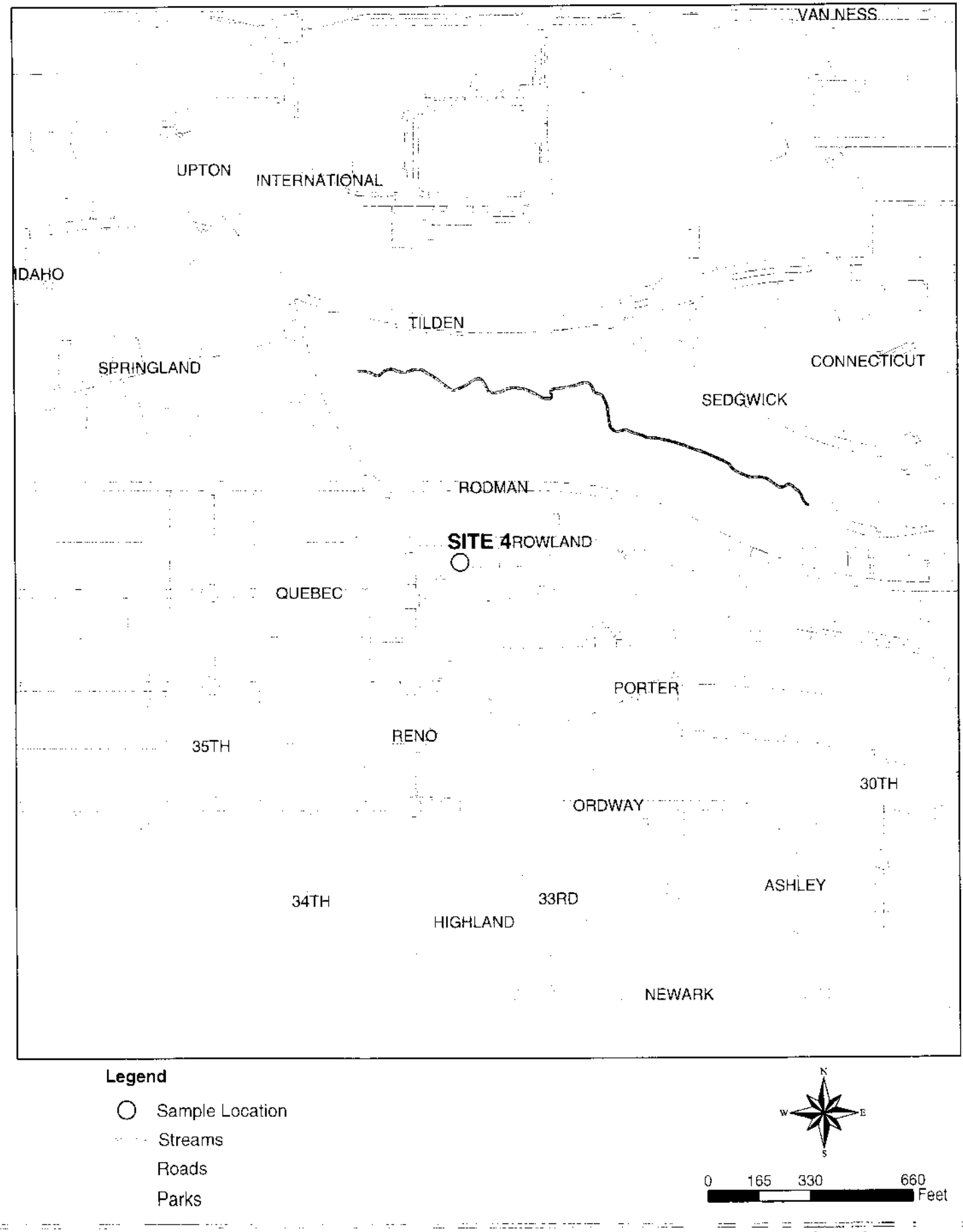


Figure B-4. Street-level Map of Monitoring Station 4: Melvin Hazen Valley Branch - Melvin Hazen Park and Quebec St.

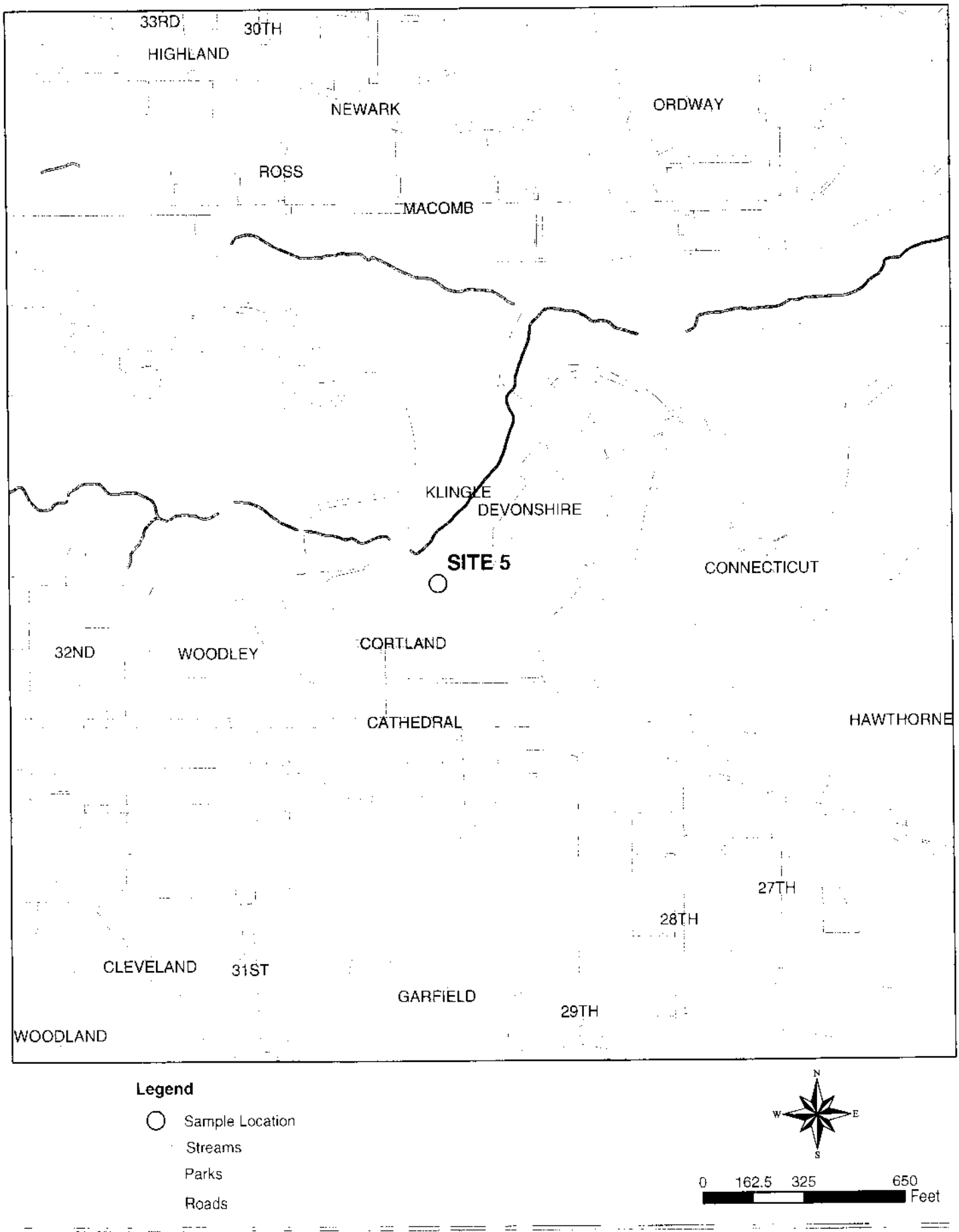


Figure B-5. Street-level Map of Monitoring Station 5: Klingle Valley Creek - Devonshire Place and 30th St..

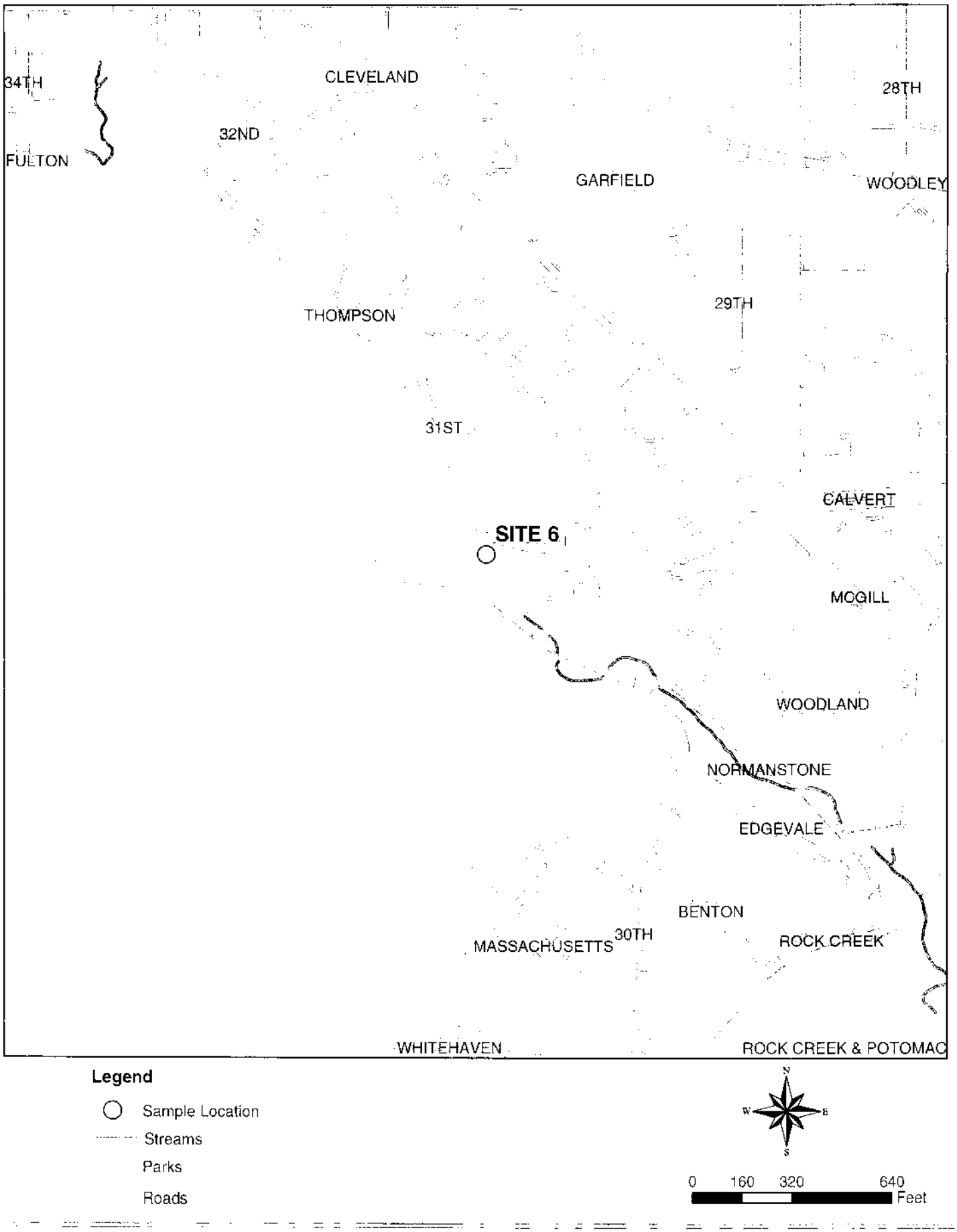


Figure B-6. Street-level Map of Monitoring Station 6: Normanstone Creek - Normanstone Dr. and Normanstone Pkwy.

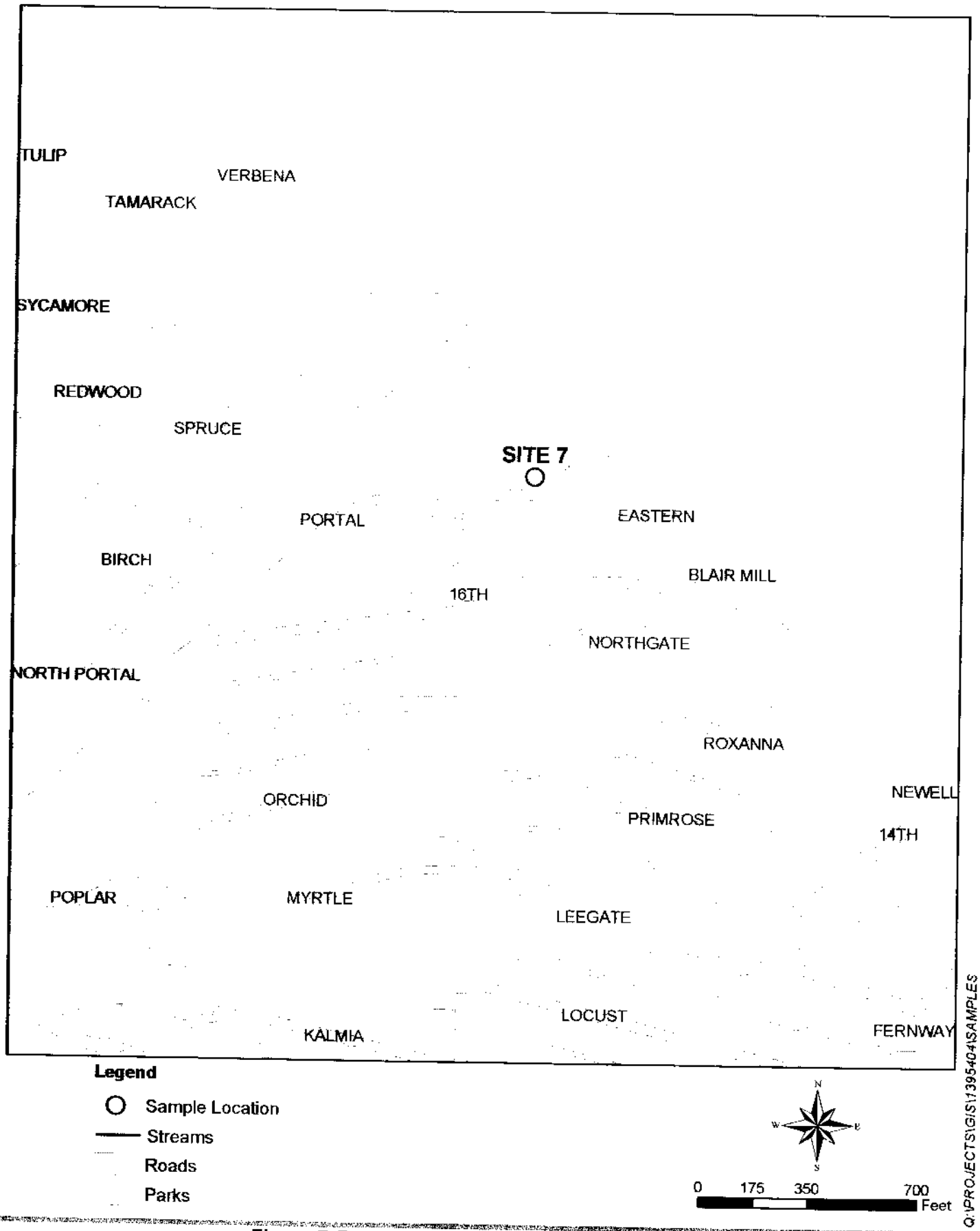


Figure B-7. Street-level Map of Monitoring Station 7: Portal and 16th Street.

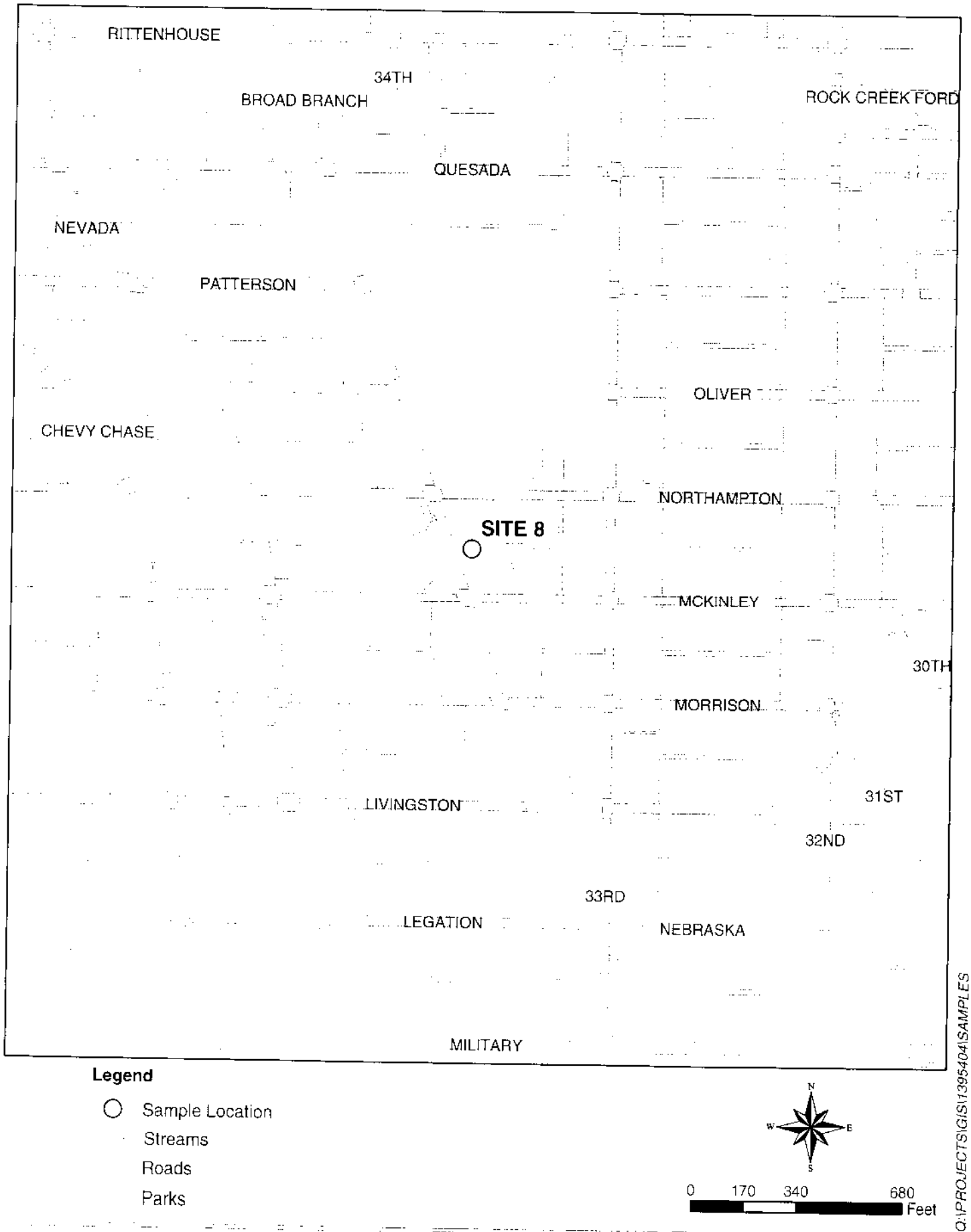
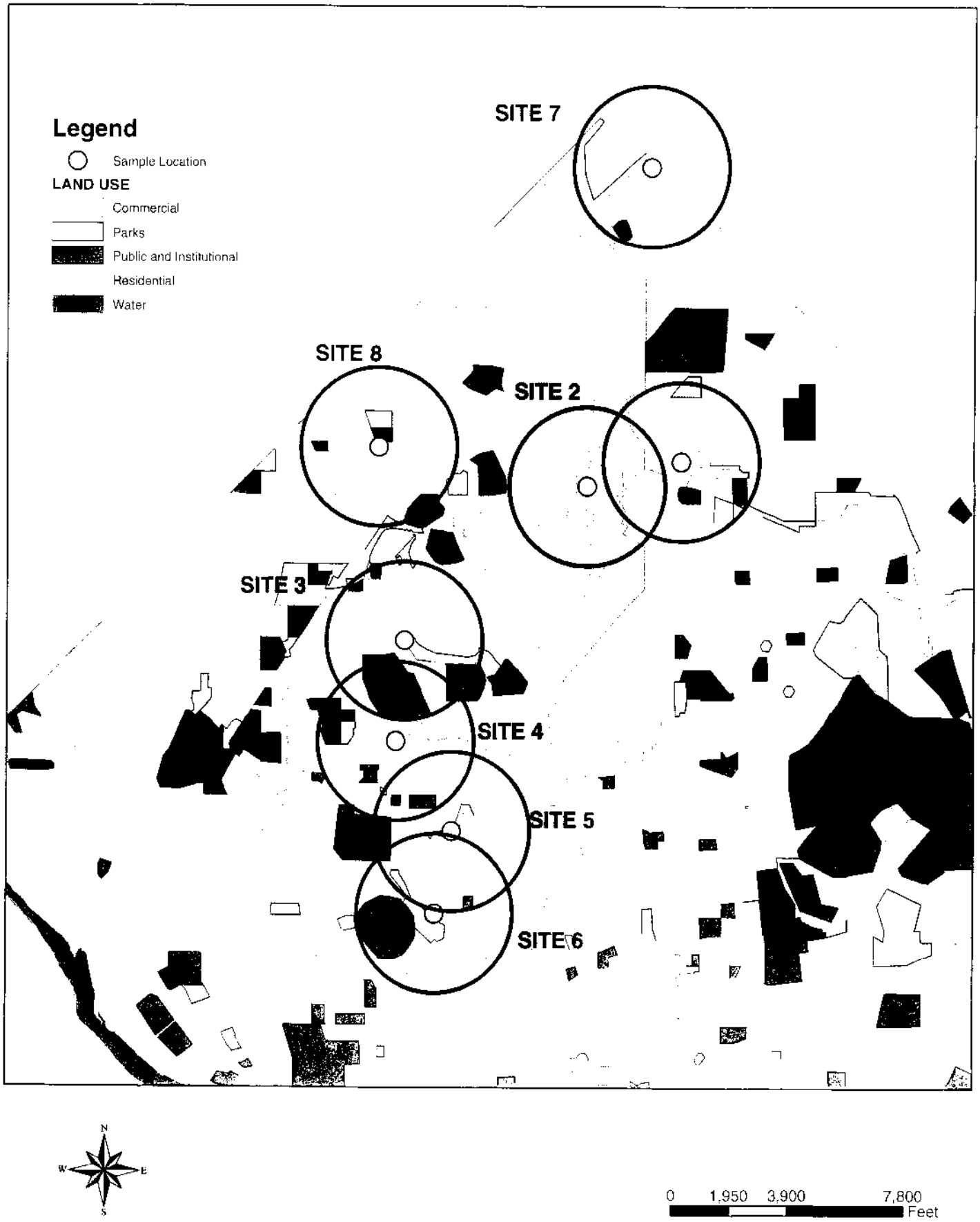


Figure B-8. Street-level Map of Monitoring Station 8: Broad Branch - Broad Branch Rd. and 30th., NW.

APPENDIX C

LAND USE ASSOCIATED WITH MONITORING LOCATIONS



Land Uses at MS4 Monitoring Sites

APPENDIX D

SAMPLING DATES OF MONITORING LOCATIONS

SCHEDULED MONITORING OF MS4 LOCATIONS

Site	Scheduled Monitoring Frequency	Wet Weather Flow Collected			Dry Weather Flow Collected	
		Event 1	Event 2	Event 3	Event 1	Event 2
(1) Walter Reed (Fort Stevens Drive)	3 Wet/yr	9/12/2003			11/4/2003	
(2) Military Road and Beach Drive	3 Wet/yr	9/12/2003			11/4/2003	
(3) Soapstone Creek Connecticut Ave. & Ablemarle St.)	3 Wet/yr				11/4/2003	
(4) Melvin Hazen Valley Branch (Melvin Hazen Park & Quebec St.)	3Wet/yr 2 Dry/yr				11/4/2003	
(5) Klingle Valley Park (Devonshire Pl. & 30th St.)	3 Wet/yr 2 Dry/yr	10/14/2003			11/4/2003	
(6) Normanstone Creek (Normanstone Dr. & Normanstone Pkwy.)	3 Wet/yr 2 Dry/yr				11/4/2003	
(7) Portal & 16th	3 Wet/yr	10/14/2003				
(8) Broad Branch	3 Wet/yr 2 Dry/yr	10/14/2003				

APPENDIX E

NARRATIVES OF STORM EVENTS

Narrative Description of Storm Events

September 12, 2003: Two sample sets were collected during this storm event at Site #1 (Fort Stevens Drive) and Site #2 (Military and Beach). Rain data was taken at a rain gauge placed at Site #2. Rain began to fall at about 11:30 AM on September 12 and continued to about 12:00 PM on September 13, giving duration of 24.5 hours. A total of 1.1 inches of rain fell during this interval. The last previous rainfall occurred approximately 186 hours prior to the measured rain event.

October 14, 2003: A sample set was collected during this storm event at Site #5 (Klingle Valley). Rain data was taken at a rain gauge placed at Site #5. Rain began to fall at about 7:05 PM and continued to about 10:35 PM, giving duration of 3.5 hours. A total of 1.3 inches of rain fell during this interval. The last previous rainfall occurred approximately 401 hours prior to the measured rain event.

APPENDIX F

LIST OF PARAMETERS, DETECTION LIMITS, AND EPA APPROVED METHODS FOR MONITORING ACTIVITIES

MARYLAND ENVIRONMENTAL SERVICE, SAMPLE ANALYSIS REQUIREMENTS

Project Name: DC Stormwater Project

Sample Purposed: Stormwater Monitoring

Project #: 613-8087

Form: COC2003 DC Stormwater

Bottle Type	Sample Type	Parameter	Method	Units	MDL
1-L Plastic Unpreserved	Composite	Biochemical Oxygen Demand (5 Day) Total Dissolved Solids Total Suspended Solids	SM5210B SM2540C SM2540D	mg/L mg/L mg/L	<5.0 <1.0 <1.0
500 mL Plastic H_2SO_4	Composite	Ammonia Nitrogen Phosphorus, Total Nitrite + Nitrate Chemical Oxygen Demand Total Kjeldahl Nitrogen	SM4500-NH3-E EPA 365.3 EPA 353.2 EPA 410.4 EPA 351.3	mg/L mg/L mg/L mg/L mg/L	<1.0 <0.05 <0.05 <10.0 <0.5
250 mL Plastic, Filtered, H_2SO_4	Composite	Phosphorus, Dissolved	EPA 365.3	mg/L	<0.5
1000 mL Plastic HNO_3	Composite	Hardness, Total Antimony, Total Arsenic, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Mercury, Total (by cold vapor) Nickel, Total Selenium, Total Silver, Total Thallium, Total Zinc, Total	EPA 130.2 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 245.1 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8	mg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	 0.21 0.25 0.22 0.22 0.18 1.52 0.23 0.20 0.46 0.31 0.35 0.21 1.52
(2) 1-L Glass Amber	Grab	Dioxin (2,3,7,8) TCDD	EPA 1613	pg/L	4.4
1000 mL Plastic, Sterile	Grab	Fecal Coliform Fecal Streptococcus	SM9221E SM9230B	MPN MPN	
250 mL Plastic, NaOH	Grab	Cyanide, Total	EPA 335.2	mg/L	<0.01
(2) 1-L Glass Amber Unpreserved	Composite	BNA Compounds	EPA 625	µg/L	Various
(2) 40 mL Glass Vials Teflon Lids	Grab	Volatile Organic Compound	EPA 624	µg/L	0.5
1-L Glass Amber H_2SO_4 Teflon Lids	Grab	Phenols, Total	EPA 420.2	mg/L	1.9
1-L Glass Amber H_2SO_4 Teflon Lids	Composite	PCBs / Pesticides	EPA 608	µg/L	0.01-1.7
1-L Glass Amber Teflon Lids	Composite	PCBs	EPA 8082 modified	ng/L	0.25-5.0
1-L Glass Amber 1:1 HCl	Grab	Fats (oil and grease)	EPA 1664	mg/L	1.6
100 mL Plastic	Composite	Chlorophyll-a	SM 10020H2	mg/m^3	2
500 mL Plastic H_2SO_4	Composite	Total Ammonia + Organic Nitrogen (TKN)	EPA 351.3	mg/L	0.2
	Field Test	Dissolved Oxygen	EPA 360.1	mg/L	N/A
500 mL Plastic H_2SO_4	Composite	Organic Nitrogen	TKN – NH3	mg/L	N/A
500 mL Plastic H_2SO_4	Composite	Total Nitrogen	NO2 + NO3 + TKN	mg/L	N/A

APPENDIX G

QUALITY ASSURANCE PROJECT PLAN

District of Columbia MS4 Monitoring Project

Quality Assurance Project Plan

Funding Organization: District of Columbia, Dept. of Health: Bureau of Environmental Quality; Water Quality Division

Implementing Organization: Maryland Environmental Service (MES), Environmental Monitoring and Reporting Division

MES Project Manager: _____ Date: 5/21/01

MES Quality Assurance Manager: _____ Date: 5/21/01

DC Project Manager: _____ Date: _____

EPA Project Officer: _____ Date: _____

EPA QA Manager: _____ Date: _____

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Distribution List

Ms. Nicoline Schulterbrandt: Environmental Health Administration: Water Quality Division, DC

Mr. Rex Lloyd: Project Chief, Maryland Environmental Service

Mr. Dave Greene: Quality Assurance Manager, Maryland Environmental Service

Mr. Dan Guyer: Environmental Specialist, Maryland Environmental Service

Mr. Josh Foti: Environmental Specialist, Maryland Environmental Service

1.0 Project Organization

The District of Columbia, Department of Health, Environmental Health Administration, Water Quality Division, under mandate of the EPA, has developed a storm water monitoring program to determine quantities of non-point source pollution entering the Anacostia River via the Municipal Separate Storm Water Sewer System (MS4).

The Maryland Environmental Service (MES) has been contracted by the District of Columbia to implement the storm water-monitoring program. MES is responsible for providing all equipment, personnel, sample collectors, and data necessary to carry out the program. Below are the names and responsibilities of persons involved in this program.

MES Personnel

Mr. Rex Lloyd, Chief, Environmental Monitoring and Reporting Division, will be serving as the Project Manager for this project.

Mr. Dave Greene, Administrator, Environmental Monitoring and Reporting Division will be acting as the Quality Assurance Manager for this project.

Mr. Dan Guyer and Mr. Josh Foti, Environmental Specialists, Environmental Monitoring and Reporting Division, will be responsible for all site monitoring activities, including but not limited to the operation and maintenance of sampling equipment, sampling of stormwater during storm events and coordination of analytical lab activities.

District of Columbia Personnel

Ms. Nicoline Schulterbrandt, Department of Health, Water Quality Division will be acting as the District's project manager and be responsible for the coordination of lab results for the District and production of all reports required by the EPA.

2.0 Project Description

Non-point source pollution is a growing concern among environmental organizations across the country; non-point source pollution has become the primary contributor of pollutants to receiving waters. To better control pollutants in Municipal Separate Storm Water Systems the EPA issued storm water regulations in 1990 that apply to both municipal and industrial storm water discharges. The regulations define storm water associated with industrial activity and both large and medium municipalities. Also contained within the regulations is the requirement that municipalities and industries apply for a NPDES permit to discharge storm water runoff.

The EPA regulations require the District to under take a storm water monitoring program of the city's Municipal Separate Storm Sewer System (MS4). Through such a program, the EPA as well as the District of Columbia hope to determine the sources and types of pollutants entering the city's MS4. The goal of this program is to use the data obtained to set Total Maximum Daily Loads (TMDLs) for the city's MS4.

The District is required to develop and implement a wet/dry-weather monitoring program for the MS4 to provide the necessary data to determine and report the effectiveness of control measures implemented under the Storm Water Management Program (SWMP). Regulations require that estimates be made of the annual cumulative pollutant loadings from the MS4, to estimate and report the mean concentrations and seasonal pollutants in the discharges from major outfalls, identify and prioritize portions of the MS4 requiring additional controls, and identify water quality improvements or degradation.

3.0 Description of Sampling Program

MES will be responsible for implementing the wet/dry storm water monitoring program. MES will perform sampling of the wet weather events by installing automatic samplers at ten locations, listed on Table 1. To manage the monitoring activities at these ten locations more effectively, MES staff will monitor three or four sites at a time. Sampling will commence with the first rain event, >0.1 inches, occurring on or after April 19, 2001.

After successfully completing the sampling requirements at the first set of sites, the equipment will be moved to the second, then the third set of sites, until all ten sites are completed. This sequence will be repeated until three sets of samples have been collected at all ten sites, during the one-year monitoring period.

MES will also conduct dry-weather sampling at six of the ten sites listed in Table 1.2, twice during the one-year monitoring period.

Table 1: Sampling Locations

(1) Stickfoot Sewer- 2400 block of Martin Luther King, Jr. Ave., SE near Metro bus entrance
(2) O St. Storm Water Pump Station- 125 O St., SE – just outside front gate at O St. Pump Station.
(3) Anacostia High School- corner of 17th St. and Minnesota Ave. SE
(4) Gallatin & 14th St., NE- across from the intersection of 14th St. and Gallatin St. in a large outfall.
(5) Varnum & 19th Place, NE- 2100 Block of Varnum St.
(6) Nash Run- intersection of Anacostia Drive and Polk St., NE
(7) East Capital St.- 200 Block of Oklahoma Ave. at intersection with D St. NE
(8a) Ft. Lincoln-Newtown BMP- wooded area before South Dakota St. exit off New York Ave. BMP Influent
(8b) Ft. Lincoln-Newtown BMP- wooded area before South Dakota St. exit off New York Ave. BMP Effluent
(9) Hickey Run- 33rd and V Streets, NE

*Numbers refer to map points in Appendix A

Table 1.2: Dry Weather Monitoring Sites

(4) Gallatin & 14th St., NE- across from the intersection of 14th St. and Gallatin St. in a large outfall.
(5) Varnum & 19th Place, NE- 2100 Block of Varnum St.
(6) Nash Run- intersection of Anacostia Drive and Polk St., NE
(8a) Ft. Lincoln-Newtown BMP- wooded area before South Dakota St. exit off New York Ave. BMP Influent
(8b) Ft. Lincoln-Newtown BMP- wooded area before South Dakota St. exit off New York Ave. BMP Effluent
(9) Hickey Run- 33rd and V Streets, NE

*Numbers refer to map points in Appendix A

Qualified MES sampling personnel will maintain records of the date and duration (in hours) of the storm event sampled; rainfall measurements (in inches) of the storm event that generated the runoff; the duration (in hours) between the storm events sampled and the end of the previous measurable storm event; and an estimate of the total volume in gallons of the discharged sampled.

Results obtained from the sampling activities will be used to determine if discharges from the District's MS4 meet the requirements of 40 CFR 122.26 (d) (2) (iv) and the provisions of the Clean Water Act for all areas within the District according to Table 2 of the NPDES Permit. Permit number DC 0000221.

All field data collected by MES as well as lab results obtained from MES's contracted labs will be forwarded to the District for use in generating the First Annual Report, Upgraded Storm Water Management Program (SWMP) and similar reports required by the permit.

3.1 Wet Weather Monitoring

Flow-proportioned composite samples will be collected at monitoring sites 1 through 8a, and 9. A composite sample consists of a mixture of aliquots collected at a constant flow interval, where the volume of each aliquot is proportional to the flow rate of the discharge. A time-composite sample will be collected at site 8b. Samples will be analyzed for parameters per the EPA permit requirements listed in Appendix B.

Grab samples will be collected during the first two hours of discharge and will be used for the analysis of cyanide, oil and grease, fecal coliform, fecal streptococcus, total phenols, volatile organics. In conjunction with these grab samples the following field tests will be performed: pH, temperature, residual chlorine, and dissolved oxygen. The field tests will be analyzed by qualified personnel, in accordance EPA methods (see Table 2).

Table 2: Field Test Parameters & Methods

Parameter	Method
pH	EPA 150
Temperature	EPA 170.1
Residual Chlorine	EPA 330
Dissolved Oxygen	EPA 360.1

3.2 Dry Weather Monitoring

During dry periods a grab sample will be taken at the six locations listed in Table 1.2, two times per year. Grab samples will be collected and analyzed per EPA requirements (see Appendix B). In conjunction with these grab samples the following field tests will be performed: pH, temperature, residual chlorine, and dissolved oxygen. The field tests will be analyzed by qualified personnel, in accordance EPA methods (see Table 2).

3.3 Data Quality Objectives

To ensure that no sample contamination occurs while samples are being transported, split, or stored, MES sampling personnel will implement the use of trip blanks, field blanks, and field duplicates. Trip blanks will be obtained from the laboratory and carried throughout sample collection activities. Trip blanks will be performed once per sampling event for all parameters. Field blanks will be filled in the field at the time of sample collection to show that any detections found in storm water samples were not a result of outside contamination, but actually present in the sample at the time of collection. Field duplicates will be collected once for every 10 samples collected and submitted to the labs for analysis. All trip blanks, field blanks, and field duplicates will be performed in accordance with Chapter 1 of SW 846.

Upon collection of samples all sampling bottles will be capped immediately. Composite samples will be split and prepared in a laboratory. Grab sample activities will use new bottles for every parameter sampled. Automatic sampler tubing will be rinsed with DI water and purged with water from the site. MES will use all these controls to ensure that outside contamination of samples does not occur and that the integrity of samples and data is of the highest quality. The quality of the data obtained from this stormwater monitoring program will be of the same quality to compare to other NPDES and non-point source monitoring data currently being compiled by the EPA.

3.4 Sample Handling and Chain of Custody

Composite samples will be collected by ISCO 6700 series automatic samplers, which will be operated, maintained, and calibrated by qualified MES personnel. Samples will be collected in an iced 5-gallon glass bottle. After the completion of a sampling event, the 5-gallon glass bottle will be removed from the sampler, capped immediately and placed on ice in coolers for transport to MES headquaters. Immediately upon arrival, samples will be split into various sized containers with the appropriate preservation and placed in a locked refrigerator in the headquarters lab. A courier for the contracted laboratory will then pick up the samples and transport them to the laboratory. The 5-gallon glass bottles will then be washed for use with the next sampling event. The glass bottles will be washed according the procedure in Appendix C. A Chain of Custody form (as shown in Appendix D) will be completed starting at the time of sample collection until analysis at the laboratory. The sample handling procedure will ensure that each parameter's holding time is not exceeded.

3.5 Sampling and Analysis Methods

Samples will be collected and analyzed in accordance with EPA approved methods as described in 40 CFR 136. See Appendix B for specific parameters and method listings.

4.0 Laboratory Quality Control

Samples will be sent to various MES contract laboratories. These laboratories are required to comply with all required EPA method QA/QC procedures. Each laboratory has its own Quality Assurance Manuals (Appendices E, F, G, and H).

5.0 Data Management and Validation

After completion of laboratory analysis, a completed data sheet will be sent to MES. The data sheets will contain the completed Chain of Custody form along with the analysis methods, analysis time and date and any comments regarding the analysis. The data results will then be reviewed to ensure the proper QA/QC procedures were used and to identify any questionable data. All issues with data reliability will be investigated with explanations offered to accept, reject, or qualify the data.

6.0 Reports to Management

Upon final review, full copies of laboratory data, rainfall data, and field observations will be forwarded to Ms. Nicoline Schulterbrandt, District of Columbia, Department of Health, Water Quality Division.

Appendix B

Analytical Requirements

Laboratory Analytes for Storm Water Samples

Pollutant	Pollutant
(A) Volatile Organic Compounds Acrolein Acryionitrile Benzene Bromoform Carbon Tetracholride Chlorobenzene Chlorodibromomethane Chloroethane 2-Chloroethlyvinyl ether Chloroform Dichlorobromomethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethylene 1,2-Dichloropropane 1,3-Docholoropropylene Ethylbenzene Methyl bromide Methyl chloride Methylene chloride 1,1,2,2-Tetrachloroethane Tetrachloroethylene Toluene 1,2-trans-Dicholrpethylene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Tricholoroethylene Vinyl choloride	**(B) Acid Extractable Compounds** 2-Chlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 4,6-Dinitro-o-cresol 2,4-Dinitrophenol 2-Nitrophenol 4-Nitrophenol p-Chloro-m-cresol Pentachlorophenol Phenol 2,4,6-Trichlorophenol
(C) Base/Neutral Extractable Compounds Acenaphthene Acenaphthylene Anthracene Benzidine Benzo(a)anthracene Benzo(a)pyrene 3,4-benzofluoranthene Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylhexyl)phthalate 4-bromophenyl phenyl ether Butylbenzyl phthalate 2-Chloronaphthalene 4-Chlorophenyl phenyl ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3'-Dichlorobenzidine 1,2,4-trichlorobenzene Diethyl phthalate Dimethyl phthalate Di-n-butyl phthalate 2,4-Dinitrotoluene 2,6-dinitrotoluene Di-n-octyl phthlalate 1,2-diphenylhydrazine (as azobenzene) Fluoranthene Fluorene Hexachlorobenzene Hexachlorobutadiene Hexachloropentadiene Hexachloroethane Indeno(1,2,3-cd)pyrene Isophorone Naphtalene Nitrobenzene N-nitrosodimethylamine N-nitrosodi-n-propylamine N-nitrosodiphenylamine Phenanthrene Pyrene	**(D) Pesticides/PCBs** Aldrin Alpha-BHC Beta-BHC Gamma-BHC Delta-BHC Chlorodane 4,4'-DDT 4,4'-DDE 4,4'-DDD Dieldrin Alpha-endosulfan Beta-endosulfan Endosulfan sulfate Endrin Endrin aldehyde Heptachlor Heptachlor epoxide PCB-1242 PCB-1254 PCB-1221 PCB-1232 PCB-1248 PCB-1260 PCB-1016 Toxaphene
(E) Metals, Cyanide and Phenols Antimony, total Arsenic, total Beryllium, total Cadmium, total Chromium, total Copper, total Lead, total Mercury, total Nickel, total Selenium, total Silver, total Thallium, total Zinc, total Cyanide, total Phenols, total	**(F) Conventional Pollutants** Total suspended solids (TSS) Total dissolved solids (TDS) COD BOD_5 Oil and Grease Fecal coliform Fecal streptococcus pH Total Kjeldahl nitrogen (TKN)* Nitrate plus nitrite (NO_2 + NO_3) Dissolved phosphorus (DP) Total ammonia plus organic nitrogen (NH_4 + Org. N) Total phosphorus (TP)

* Ammonia plus organic nitrogen is interchangeable with TKN

Maryland Environmental Service, Sample Analysis Requirements

Project Name: DC Stormwater Project

Sample Purpose: Stormwater Monitoring

Project # 613-7924

Form: COC2001 DCStormwater

Bottle Type	Sample Type	Parameter	Method	Units	MDL
1 Liter Plastic Unpreserved	Composite	Biochemical Oxygen Demand (5Day)	SM5210B	Mg/l	<5.0
		Total Dissolved Solids	SM2540C	Mg/l	<1.0
		Total Suspended Solids	SM2540D	Mg/l	<1.0
500ml Plastic H2SO4	Composite	Ammonia Nitrogen	SM4500-NH3-E	Mg/l	<1.0
		Phosphorous, Total	EPA 365.3	Mg/l	<0.05
		Nitrite + Nitrate	EPA 353.2	Mg/l	<0.05
		Chemical Oxygen Demand	EPA 410.4	Mg/l	<10.0
		Total Kjeldahl Nitrogen	EPA 351.3	Mg/l	<0.5
250 ml Plastic, Filtered, H2SO4	Composite	Phosphorous, Dissolved	EPA 365.3	Mg/l	<0.5
1000ml Plastic HNO3	Composite	Hardness, Total	EPA 130.2	Mg/l	
		Antimony, Total	EPA 200.8	Ug/l	0.21
		Arsenic, Total	EPA 200.8	Ug/l	0.25
		Beryllium, Total	EPA 200.8	Ug/l	0.22
		Cadmium, Total	EPA 200.8	Ug/l	0.22
		Chromium, Total	EPA 200.8	Ug/l	0.18
		Copper, Total	EPA 200.8	Ug/l	1.52
		Lead, Total	EPA 200.8	Ug/l	0.23
		Mercury, Total (By Cold Vapor)	EPA 245.1	Ug/l	0.2
		Nickel, Total	EPA 200.8	Ug/l	0.46
		Selenium, Total	EPA 200.8	Ug/l	0.31
		Silver, Total	EPA 200.8	Ug/l	0.35
		Thallium, Total	EPA 200.8	Ug/l	0.21
		Zinc, Total	EPA 200.8	Ug/l	1.52
(2)1 liter Glass Amber	Grab	Dioxin (2,3,7,8) TCDD	EPA 1613	Pg/l	4.4
1000ml Plastic, Sterile	Grab	Fecal Coliform	SM9221E	MPN	
		Fecal Streptococcus	SM9230B	MPN	
250 ml Plastic, NaOH	Grab	Cyanide, Total	EPA 335.2	Mg/l	<0.01
(2) 1 liter Glass Amber Unpreserved	Composite	BNA Compounds	EPA 625	Ug/l	Various
(2) 40 ml Glass Vials Teflon Lids	Grab	Volatile Organic Compounds	EPA 624	Ug/l	0.5
1 liter Glass Amber H2SO4 Teflon Lids	Grab	Phenols, Total	EPA 420.2	Mg/l	1.9
1 liter Glass Amber Teflon Lids	Composite	PBCs/Pesticides	EPA 608	Ug/l	0.01 to 1.7
1 liter Glass Amber Teflon Lids	Composite	PCBs	EPA 8082 modified	Ng/l	0.25 to 5.0
1 liter Glass Amber 1:1 HCL	Grab	Fats (Oil & Grease)	EPA 1664	Mg/l	1.6
100 ml plastic	Composite	Chlorophyll A	SM 10020H2	Mg/m3	2

Appendix C

Sample Container Cleaning Procedure

Maryland Environmental Service

Sample Container Cleaning Procedure

The following cleaning treatment sequence has been determined to be adequate to minimize contamination in the automatic sampling container, whether borosilicate glass, linear polyethylene, polypropylene, or Teflon:

Treatment Sequence

1. Phosphate free detergent,
2. Tap water (3 times),
3. 1 : 1 nitric acid,
4. Tap water (3 times),
5. 1 : 1 hydrochloric acid,
6. Tap water (3 times),
7. Reagent water (5 times).

This treatment sequence must be adhered to for every container used in an automated sampling event, whether the initial container or a replacement container during an extended event.

Appendix D

Sample Chain of Custody Form

CHAIN OF CUSTODY RECORD

PROJECT NAME _____

COMPANY _____

ADDRESS _____

PHONE ( ) _____

SAMPLED BY _____

SIGNATURE _____

PRINT NAME _____

ATLANTIC COAST
Laboratories, Incorporated

630 Churchmans Road
Newark, Delaware 19702
302-266-9121 • 454-8720 (FAX)

SAMPLE COLLECTION FEE:

QUOTED PRICE:

SAMPLE NO.	DATE	TIME	SAMPLE LOCATION	CONTAINER SIZE	CONTAINER TYPE	GRAB	COMP	NO. OF CONTAINERS	SAMPLE MATRIX	PRESERVATIVE	ANALYSES	COMMENTS

Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Received by:
Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Received for Laboratory by:
Method of Shipment	Remarks:				

Samples Iced — YES ☐ NO ☐

Samples Preserved — YES ☐ NO ☐

ORIGINAL

APPENDIX H

COMPLETED DISCHARGE MONITORING REPORT (DMR) FORMS

Form Approved.
OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

MINOR

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

DC0000221	MS1 A
PERMIT NUMBER	DISCHARGE NUMBER

F - FINAL
WALTER REED-FORT STEVENS DRIVE

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	******	******		******	******	64.0	(15)	0		
00011 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT DAILY MX	DEG. F		THREE/ YEAR	GRAB
PH	SAMPLE MEASUREMENT	******	******		----	******	4.84	(12)	0		
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	REPORT MAXIMUM	SU		THREE/ YEAR	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******	----	116	(19)	0		
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	----	16	(19)	0		
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
NITROGEN, TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	3.66	(19)	0		
00600 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
NITROGEN, ORGANIC TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	1.60	(19)	0		
00605 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	GRAB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	1.10	(19)	0		
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael Marcotte
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

[signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
202	787-2509	5	5	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
AS OF MARCH 17, 2003 THE STICKFOOT SEWER STATION LOCATION and NAMES CHANGED TO WALTER REED (FORT STEVENS DRIVE)
---- Values could not be calculated because sample size = 1.

PAGE OF
This is a 9-part form.
00001/[illegible]

Previous editions may be used.

Form Approved.
OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MINOR

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

DC0000221 — PERMIT NUMBER
MS1 A — DISCHARGE NUMBER

F - FINAL
WALTER REED-FORT STEVENS DRIVE

MONITORING PERIOD: FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NITROGEN, KJELDAHL TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	2.7	(19)	0		
00625 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N	SAMPLE MEASUREMENT	******	******		******	----	0.962	(19)	0		
00630 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	******	******		******	----	0.40	(19)	0		
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, DISSOLVED	SAMPLE MEASUREMENT	******	******		******	----	0.35	(19)	0		
00666 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
HARDNESS, TOTAL (AS CACO3)	SAMPLE MEASUREMENT	******	******		******	----	44.2	(19)	0		
00900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS A	SAMPLE MEASUREMENT	******	******		----	----	≥ 24,000	(13)	0		
31679 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	#/100ML		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael Marcotte
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 202 (AREA CODE) 787-2609 (NUMBER)
DATE: 5 (YEAR) 5 (MO) 04 (DAY)

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
AS OF MARCH 17, 2003 THE STICKFOOT SEWER STATION LOCATION and NAMES CHANGED TO WALTER REED (FORT STEVENS DRIVE) ---- Values could not be calculated because sample size = 1.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S. W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

DC0000221	MS1 A
PERMIT NUMBER	DISCHARGE NUMBER

MINOR

F - FINAL
WALTER REED-FORT STEVENS DRIVE

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

*** NO DISCHARGE | __ | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BASE/NEUTRAL COMPOUNDS	SAMPLE MEASUREMENT	******	******		******	0.0002	0.011	(19)	0		
32015 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
ACID COMPOUNDS	SAMPLE MEASUREMENT	******	******		******	0	0	(19)	0		
32020 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1016 (AROCHLOR 1016)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
34671 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1221 (AROCHLOR 1221)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
39488 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1232 (AROCHLOR 1232)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
39492 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1242 BOT. DEP., DRY SOLID	SAMPLE MEASUREMENT	******	******		******	******	0	(19)	0		
39499 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1248 (AROCHLOR 1248)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
39500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
202	787-2609	5	5	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

AS OF MARCH 17, 2003 THE STICKFOOT SEWER STATION LOCATION and NAME CHANGED TO WALTER REED (FORT STEVENS DRIVE)

---- Values could not be calculated because sample size = 1.

Form Approved.
OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S. W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

DC0000221 — PERMIT NUMBER
MS1 A — DISCHARGE NUMBER

MINOR

F - FINAL
WALTER REED-FORT STEVENS DRIVE

MONITORING PERIOD: FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PCB-1254 (AROCHLOR 1254)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
39504 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1260 (AROCHLOR 1260)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
39508 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHENOLS	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
SOLIDS, TOTAL DISSOLVED (TDS)	SAMPLE MEASUREMENT	******	******		******	******	66	(19)	0		
70296 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PESTICIDES, GENERAL	SAMPLE MEASUREMENT	******	******		******	0	0	(19)	0		
74053 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	******	******		******	----	≥ 24,000	(13)	0		
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	#/100ML		THREE/YEAR	COMPOS
METALS, TOTAL	SAMPLE MEASUREMENT	******	******		******	0.018	0.229	(19)	0		
78240 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Michael Marcotte (TYPED OR PRINTED)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: [signature]

TELEPHONE: AREA CODE 202 NUMBER 787-2609

DATE: YEAR 5 MO 5 DAY 04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
AS OF MARCH 17, 2003 THE STICKFOOT SEWER STATION LOCATION and NAME CHANGED TO WALTER REED (FORT STEVENS DRIVE)
---- Values could not be calculated because sample size = 1.

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*

NAME DC WATER & SEWER AUTHORITY

ADDRESS 5000 OVERLOOK AVENUE, S. W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY

LOCATION

ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221 — PERMIT NUMBER

MS1 A — DISCHARGE NUMBER

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL
WALTER REED-FORT STEVENS DRIVE

*** NO DISCHARGE | __ | ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
VOLATILE COMPOUNDS, (GC/MS)	SAMPLE MEASUREMENT	******	******		0	0.00006	0.0017	(19)	0		
78732 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	******	******		******	----	85	(19)	0		
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
CHEMICAL OXYGEN DEMAND (COD)	SAMPLE MEASUREMENT	******	******		******	----	155	(19)	0		
81017 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
202	787-2609	5	5	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

AS OF MARCH 17, 2003 THE STICKFOOT SEWER STATION LOCATION and NAME CHANGED TO WALTER REED (FORT STEVENS DRIVE)

---- Values could not be calculated because sample size = 1.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DC0000221	MS2 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL
MILITARY ROAD AND BEACH DRIVE

*** NO DISCHARGE | __ | ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 0	SAMPLE MEASUREMENT	******	******		******	******	60.9	(15)	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	DEG. F		THREE/YEAR	GRAB
PH 00400 1 0 0	SAMPLE MEASUREMENT	******	******		----	******	6.01	(12)	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	REPORT MAXIMUM	SU		THREE/YEAR	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	SAMPLE MEASUREMENT	******	******		******	----	107	(19)	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
OIL & GREASE 00556 1 0 0	SAMPLE MEASUREMENT	******	******		******	----	6.7	(19)	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, TOTAL (AS N) 00600 1 0 0	SAMPLE MEASUREMENT	******	******		******	----	2.63	(19)	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, ORGANIC TOTAL (AS N) 00605 1 0 0	SAMPLE MEASUREMENT	******	******		******	----	0.75	(19)	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0	SAMPLE MEASUREMENT	******	******		******	----	0.55	(19)	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
202	787-2609	5	5	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

AS OF MARCH 17, 2003 THE O ST. STORM WATER MONITORING LOCATION NAME CHANGED TO MILITARY ROAD AND BEACH DRIVE.

---- Values could not be calculated because sample size = 1.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S. W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DC0000221 — PERMIT NUMBER
MS2 A — DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

MINOR

F - FINAL
MILITARY ROAD AND BEACH DRIVE

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

Form Approved. OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NITROGEN, KJELDAHL TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	1.3	(19)	0		
00625 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N	SAMPLE MEASUREMENT	******	******		******	----	1.33	(19)	0		
00630 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	******	******		******	----	0.21	(19)	0		
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, DISSOLVED	SAMPLE MEASUREMENT	******	******		******	----	0.14	(19)	0		
00666 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
HARDNESS, TOTAL (AS CACO3)	SAMPLE MEASUREMENT	******	******		******	----	58.6	(19)	0		
00900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS A	SAMPLE MEASUREMENT	******	******		----	----	≥24,000	(13)	0		
31679 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	#/100ML		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 202 NUMBER 787-2609

DATE: YEAR 5 MO 5 DAY 04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

AS OF MARCH 17, 2003 THE O ST. STORM WATER MONITORING LOCATION and NAME CHANGED TO MILITARY ROAD AND BEACH DRIVE.

---- Values could not be calculated because sample size = 1.

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*

NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DC0000221 — PERMIT NUMBER
MS2 A — DISCHARGE NUMBER

MINOR

F - FINAL
MILITARY ROAD AND BEACH DRIVE

Form Approved.
OMB No. 2040-0004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BASE/NEUTRAL COMPOUNDS 32015 1 0 0	SAMPLE MEASUREMENT	******	******		******	0.0003	0.013	(19	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
ACID COMPOUNDS 32020 1 0 0	SAMPLE MEASUREMENT	******	******		******	0	0	(19	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1016 (AROCHLOR 1016) 34671 1 0 0	SAMPLE MEASUREMENT	******	******		******	----	0	(19	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1221 (AROCHLOR 1221) 39488 1 0 0	SAMPLE MEASUREMENT	******	******		******	----	0	(19	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1232 (AROCHLOR 1232) 39492 1 0 0	SAMPLE MEASUREMENT	******	******		******	----	0	(19	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1242 BOT. DEP., DRY SOLID 39499 1 0 0	SAMPLE MEASUREMENT	******	******		******	******	0	(19	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1248 (AROCHLOR 1248) 39500 1 0 0	SAMPLE MEASUREMENT	******	******		******	----	0	(19	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
202	787-2609	5	5	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

AS OF MARCH 17, 2003 THE O ST. STORM WATER MONITORING LOCATION and NAME CHANGED TO MILITARY ROAD AND BEACH DRIVE.

---- Values could not be calculated because sample size = 1.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221 — PERMIT NUMBER
MS2 A — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL

MILITARY ROAD AND BEACH DRIVE

*** NO DISCHARGE | | ***

Form Approved.
OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PCB-1254 (AROCHLOR 1254) 39504 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	0	(19	0		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
PCB-1260 (AROCHLOR 1260) 39508 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	0	(19	0		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	0	(19	0		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		FOUR/ YEAR	GRAB
SOLIDS, TOTAL DISSOLVED (TDS) 70296 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******	112	(19	0		
	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
PESTICIDES, GENERAL 74053 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	0	0	(19	0		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		FOUR/ YEAR	COMPOS
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	2,300	(13	0		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	#/ 100ML		THREE/ YEAR	COMPOS
METALS, TOTAL 78240 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	0.030	0.392	(19	0		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 202 NUMBER 787-2609

DATE: YEAR 5 MO 5 DAY 04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

AS OF MARCH 17, 2003 THE O ST. STORM WATER MONITORING LOCATION NAME CHANGED TO MILITARY ROAD AND BEACH DRIVE.

---- Values could not be calculated because sample size = 1.

Form Approved.
OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

MINOR

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S. W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

PERMIT NUMBER	DISCHARGE NUMBER
DC0000221	M52 A

F - FINAL
MILITARY ROAD AND BEACH DRIVE

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

*** NO DISCHARGE | __ | ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
VOLATILE COMPOUNDS, (GC/MS) 78732 1 0 0	SAMPLE MEASUREMENT	******	******		0	0.00009	0.0027	(19	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0	SAMPLE MEASUREMENT	******	******		******	----	15	(19	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
CHEMICAL OXYGEN DEMAND (COD) 81017 1 0 0	SAMPLE MEASUREMENT	******	******		******	----	124	(19	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael Marcotte
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	TELEPHONE NUMBER	DATE YEAR	DATE MO	DATE DAY
202	787-2609	5	5	04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
AS OF MARCH 17, 2003 THE O ST. STORM WATER MONITORING LOCATION and NAME CHANGED TO MILITARY ROAD AND BEACH DRIVE.
---- Values could not be calculated because sample size = 1.

00010/040419 This is a 9-part form. PAGE 5 OF

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

Form Approved.
OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

DC0000221 — PERMIT NUMBER
MS5 A — DISCHARGE NUMBER

MINOR

F - FINAL
KLINGLE VALLEY CREEK

MONITORING PERIOD: FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	******	******		******	******	63.9	(15)	0		
00011 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	DEG. F		THREE YEAR	GRAB
PH	SAMPLE MEASUREMENT	******	******		----	******	6.43	(12)	0		
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	REPORT MAXIMUM	SU		THREE YEAR	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******	----	40	(19)	0		
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE YEAR	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE YEAR	COMPOS
NITROGEN, TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	2.16	(19)	0		
00600 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE YEAR	COMPOS
NITROGEN, ORGANIC TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	0.52	(19)	0		
00605 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE YEAR	GRAB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	0.35	(19)	0		
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
202	787-2609	5	5	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
AS OF MARCH 17, 2003 THE VARNUM AND 19TH PLACE, NE MONITORING LOCATION and NAME CHANGED TO KLINGLE VALLEY CREEK (DEVONSHIRE PLACE AND 30TH STREET). ---- Values could not be calculated because sample size = 1.

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location (If Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221 — PERMIT NUMBER
MS5 A — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL
KLINGLE VALLEY CREEK

*** NO DISCHARGE [ ] ***

Form Approved.
OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NITROGEN, KJELDAHL TOTAL (AS N) 00625 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	0.87	(19	0		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N) 00630 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	1.29	(19	0		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	0.30	(19	0		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, DISSOLVED 00666 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	0.24	(19	0		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	0	(19	0		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
HARDNESS, TOTAL (AS CACO3) 00900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	33.6	(19	0		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AB 31679 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		----	----	≥240,000	(13	0		
	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	#/ 100ML		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER
202	787-2609

DATE

YEAR	MO	DAY
5	5	04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

AS OF MARCH 17, 2003 THE VARNUM AND 19TH PLACE, NE MONITORING LOCATION NAME CHANGED TO KLINGLE VALLEY CREE K (DEVONSHIRE PLACE AND 30TH STREET).

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME DC WATER & SEWER AUTHORITY

ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY

LOCATION

ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DC0000221 — PERMIT NUMBER

MS5 A — DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

MINOR

F - FINAL
KLINGLE VALLEY CREEK

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BASE/NEUTRAL COMPOUNDS	SAMPLE MEASUREMENT	******	******		******	0.00002	0.0008	(19)	0		
32015 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
ACID COMPOUNDS	SAMPLE MEASUREMENT	******	******		******	0	0	(19)	0		
32020 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1016 (AROCHLOR 1016)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
34671 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1221 (AROCHLOR 1221)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
39488 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1232 (AROCHLOR 1232)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
39492 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1242 BOT. DEP., DRY SOLID	SAMPLE MEASUREMENT	******	******		******	******	0	(19)	0		
39499 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1248 (AROCHLOR 1248)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
39500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Michael Marcotte

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TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
202	787-2609	5	5	04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

AS OF MARCH 17, 2003 THE VARNUM AND 19TH PLACE, NE MONITORING LOCATION and NAME CHANGED TO KLINGLE VALLEY CREEK (DEVONSHIRE PLACE AND 30TH STREET). ---- Values could not be calculated because sample size = 1.

Form Approved.
OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

PERMIT NUMBER: DC0000221
DISCHARGE NUMBER: MS5 A

MINOR
F - FINAL
KLINGLE VALLEY CREEK

MONITORING PERIOD: FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PCB-1254 (AROCHLOR 1254)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
39504 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1260 (AROCHLOR 1260)	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
39508 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHENOLS	SAMPLE MEASUREMENT	******	******		******	----	0	(19)	0		
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
SOLIDS, TOTAL DISSOLVED (TDS)	SAMPLE MEASUREMENT	******	******		******	******	67	(19)	0		
70296 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PESTICIDES, GENERAL	SAMPLE MEASUREMENT	******	******		******	9.4×10^{-7}	0.000017	(19)	0		
74053 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	******	******		******	----	24,000	(13)	0		
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	#/100ML		THREE/YEAR	COMPOS
METALS, TOTAL	SAMPLE MEASUREMENT	******	******		******	0.019	0.256	(19)	0		
78240 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Michael Marcotte
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 202 NUMBER 787-2609
DATE: YEAR 5 MO 5 DAY 04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
AS OF MARCH 17, 2003 THE VARNUM AND 19TH PLACE, NE MONITORING LOCATION and NAME CHANGED TO KLINGLE VALLEY CREEK (DEVONSHIRE PLACE AND 30TH STREET). ---- Values could not be calculated because sample size = 1.

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DC0000221 — PERMIT NUMBER
MS5 A — DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

Form Approved.
OMB No. 2040-0004

MINOR
F - FINAL
KLINGLE VALLEY CREEK

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
VOLATILE COMPOUNDS, (GC/MS)	SAMPLE MEASUREMENT	******	******		0	0	0	(19	0		
78732 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	******	******		******	----	8	(19	0		
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
CHEMICAL OXYGEN DEMAND (COD)	SAMPLE MEASUREMENT	******	******		******	----	53	(19	0		
81017 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael Marcotte
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
202	787-2609	5	5	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
AS OF MARCH 17, 2003 THE VARNUM AND 19TH PLACE, NE MONITORING LOCATION and NAME CHANGED TO KLINGLE VALLEY CREEK (DEVONSHIRE PLACE AND 30TH STREET). ---- Values could not be calculated because sample size = 1.

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ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DC0000221 — PERMIT NUMBER
MS3 A — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL
SOAPSTONE CRK CONNETICUT AVE

*** NO DISCHARGE | __ | ***
NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	******	******		******	******	----	(15)	--		
00011 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	DEG. F		THREE/YEAR	GRAB
PH	SAMPLE MEASUREMENT	******	******		----	******	----	(12)	--		
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	REPORT MAXIMUM	SU		THREE/YEAR	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00600 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, ORGANIC TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00605 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael Marcotte
TYPED OR PRINTED

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[signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
202	787-2609	5	5	04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
AS OF MARCH 17, 2003 THE ANACOSTIA HIGH SCHOOL MONITORING LOCATION and NAME CHANGED TO SOAPSTONE CREEK (CONNECTICUT AVE. AND ABLEMARLE STREET. ---- No data available to report at this time. Data will be collected.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME DC WATER & SEWER AUTHORITY

ADDRESS 5000 OVERLOOK AVENUE, S. W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY

LOCATION

ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DC0000221 — PERMIT NUMBER

MS3 A — DISCHARGE NUMBER

MINOR

F - FINAL

SOAPSTONE CRK CONNETICUT AVE

Form Approved.
OMB No. 2040-0004

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NITROGEN, KJELDAHL TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
00625 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
00630 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
PHOSPHORUS, DISSOLVED	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
00666 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	GRAB
HARDNESS, TOTAL (AS CACO3)	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
00900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS A	SAMPLE MEASUREMENT	******	******		----	----	----	(13	--		
31679 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	#/ 100ML		THREE/ YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

TYPED OR PRINTED

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TELEPHONE		DATE		
202	787-2609	5	5	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

AS OF MARCH 17, 2003 THE ANACOSTIA HIGH SCHOOL MONITORING LOCATION and NAME CHANGED TO SOAPSTONE CREEK (CONNECTICUT AVE. AND ABLEMARLE STREET. ---- No data available to report at this time. Data will be collected

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

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ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY

LOCATION

ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DC0000221	MS3 A
PERMIT NUMBER	DISCHARGE NUMBER

	MONITORING PERIOD					
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL
SOAPSTONE CRK CONNETICUT AVE

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

Form Approved. OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BASE/NEUTRAL COMPOUNDS	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
32015 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
ACID COMPOUNDS	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
32020 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1016 (AROCHLOR 1016)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
34671 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1221 (AROCHLOR 1221)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
39488 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1232 (AROCHLOR 1232)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
39492 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1242 BOT. DEP., DRY SOLID	SAMPLE MEASUREMENT	******	******		******	******	----	(19)	--		
39499 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1248 (AROCHLOR 1248)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
39500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Michael Marcotte	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	[signature]	202	787-2609	5	5	04
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

AS OF MARCH 17, 2003 THE ANACOSTIA HIGH SCHOOL MONITORING LOCATION and NAME CHANGED TO SOAPSTONE CREEK (CONNECTICUT AVE. AND ABLEMARLE STREET. ---- No data available to report at this time. Data will be collected.

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WASHINGTON DC 20002
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved. OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
DC0000221	MS3 A

MINOR

F - FINAL
SOAPSTONE CRK CONNETICUT AVE

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

*** NO DISCHARGE | __ | ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PCB-1254 (AROCHLOR 1254)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
39504 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1260 (AROCHLOR 1260)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
39508 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHENOLS	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
SOLIDS, TOTAL DISSOLVED (TDS)	SAMPLE MEASUREMENT	******	******		******	******	----	(19)	--		
70296 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PESTICIDES, GENERAL	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
74053 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	******	******		******	----	----	(13)	--		
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	#/ 100ML		THREE/YEAR	COMPOS
METALS, TOTAL	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
78240 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael Marcotte
TYPED OR PRINTED

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TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
202	787-2609	5	5	04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
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FACILITY
LOCATION
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DC0000221 — PERMIT NUMBER
MS3 A — DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

MINOR

F - FINAL
SOAPSTONE CRK CONNETICUT AVE

*** NO DISCHARGE | __ | ***
NOTE: Read instructions before completing this form.

Form Approved. OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
VOLATILE COMPOUNDS, (GC/MS)	SAMPLE MEASUREMENT	******	******		----	----	----	(19)	--		
78732 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	GRAB
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
CHEMICAL OXYGEN DEMAND (COD)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
81017 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Michael Marcotte (TYPED OR PRINTED)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: [signature]

TELEPHONE: AREA CODE 202 NUMBER 787-2609

DATE: YEAR 5 MO 5 DAY 04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

AS OF MARCH 17, 2003 THE ANACOSTIA HIGH SCHOOL MONITORING LOCATION and NAME CHANGED TO SOAPSTONE CREEK (CONNE CTICUT AVE. AND ABLEMARLE STREET. ---- No data available to report at this time. Data will be collected.

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*

NAME DC WATER & SEWER AUTHORITY

ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER	DISCHARGE NUMBER
DC0000221	M56 A

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL
NORMANSTONE CREEK

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	******	******		******	******	----	(15)	--		
00011 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	DEG. F		THREE/YEAR	GRAB
PH	SAMPLE MEASUREMENT	******	******		----	******	----	(12)	--		
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	REPORT MAXIMUM	SU		THREE/YEAR	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00600 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, ORGANIC TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00605 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	TELEPHONE NUMBER	DATE YEAR	DATE MO	DATE DAY
202	787-2609	5	5	04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

AS OF MARCH 17, 2003 THE NASH RUN MONITORING LOCATION and NAME CHANGED TO NORMANSTONE CREEK (NORMANSTONE DRIVE AND NORMANSTONE PARKWAY). ---- No data available to report at this time. Data will be collected.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

00026/[illegible]

PAGE OF

PERMITTEE NAME/ADDRESS (Include Facility name/Location if different)

NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221 — PERMIT NUMBER
MS6 A — DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

MINOR
F - FINAL
NORMANSTONE CREEK

*** NO DISCHARGE | __ | ***
NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NITROGEN, KJELDAHL TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
00625 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
00630 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		FOUR/ YEAR	COMPOS
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
PHOSPHORUS, DISSOLVED	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
00666 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	GRAB
HARDNESS, TOTAL (AS CACO3)	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
00900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS A	SAMPLE MEASUREMENT	******	******		----	----	----	(13	--		
31679 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	#/ 100ML		THREE/ YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Michael Marcotte	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	[signature]	202	787-2609	5	5	04
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

AS OF MARCH 17, 2003 THE NASH RUN MONITORING LOCATION and NAME CHANGED TO NORMANSTONE CREEK (NORMANSTONE DRIVE AND NORMANSTONE PARKWAY).

---- No data available to report at this time. Data will be collected.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221	MS6 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL
NORMANSTONE CREEK

*** NO DISCHARGE | __ | ***
NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BASE/NEUTRAL COMPOUNDS	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
32015 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
ACID COMPOUNDS	SAMPLE MEASUREMENT	******	******		******	-----	----	(19)	--		
32020 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1016 (AROCHLOR 1016)	SAMPLE MEASUREMENT	******	******		******	-----	-----	(19)	--		
34671 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1221 (AROCHLOR 1221)	SAMPLE MEASUREMENT	******	******		******	-----	-----	(19)	--		
39488 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1232 (AROCHLOR 1232)	SAMPLE MEASUREMENT	******	******		******	-----	-----	(19)	--		
39492 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1242 BOT. DEP., DRY SOLID	SAMPLE MEASUREMENT	******	******		******	******	----	(19)	--		
39499 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1248 (AROCHLOR 1248)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
39500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
202	787-2609	5	5	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
AS OF MARCH 17, 2003 THE NASH RUN MONITORING LOCATION NAME CHANGED TO NORMANSTONE CREEK (NORMANSTONE DRIVE AND NORMANSTONE PARKWAY).
---- No data available to report at this time. Data will be collected.

Form Approved.
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221 — PERMIT NUMBER
MS6 A — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL
NORMANSTONE CREEK

*** NO DISCHARGE [ ] ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PCB-1254 (AROCHLOR 1254) 39504 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	---		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1260 (AROCHLOR 1260) 39508 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	---		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	---		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
SOLIDS, TOTAL DISSOLVED (TDS) 70296 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******	----	(19)	---		
	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PESTICIDES, GENERAL 74053 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	---		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(13)	---		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	#/ 100ML		THREE/YEAR	COMPOS
METALS, TOTAL 78240 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	---		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
202	787-2609	5	5	04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

AS OF MARCH 17, 2003 THE NASH RUN MONITORING LOCATION AND NAME CHANGED TO NORMANSTONE CREEK (NORMANSTONE DRIVE AND NORMANSTONE PARKWAY). ---- No data available to report at this time. Data will be collected.

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221	MS6 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL
NORMANSTONE CREEK

*** NO DISCHARGE | __ | ***
NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
VOLATILE COMPOUNDS, (GC/MS) 78732 1 0 0	SAMPLE MEASUREMENT	******	******		----	----	----	(19)	--		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
CHEMICAL OXYGEN DEMAND (COD) 81017 1 0 0	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael Marcotte
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
202	787-2609	5	5	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
AS OF MARCH 17, 2003 THE NASH RUN MONITORING LOCATION and NAME CHANGED TO NORMANSTONE CREEK (NORMANSTONE DRIVE AND NORMANSTONE PARKWAY). ---- No data available to report at this time. Data will be collected.

Form Approved.
OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MINOR

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

PERMIT NUMBER: DC0000221
DISCHARGE NUMBER: MS4 A

F - FINAL
MELVIN HAZEN VALLEY BRANCH

MONITORING PERIOD: FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

*** NO DISCHARGE | _ | ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******	----	(15)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	DEG. F		THREE/YEAR	GRAB
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		----	******	----	(12)	--		
	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	REPORT MAXIMUM	SU		THREE/YEAR	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
OIL & GREASE 00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, TOTAL (AS N) 00600 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, ORGANIC TOTAL (AS N) 00605 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael Marcotte
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 202 NUMBER 787-2609
DATE: YEAR 5 MO 5 DAY 04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NE MONITORING LOCATION and NAME CHANGED TO MELVIN HAZEN VALLEY BRANCH AS OF MARCH 17, 2003 THE GALLATIN AND 14TH STREET, (MELVIN HAZEN PARK AND QUEBECK STREET. ---- No data available to report at this time. Data will be collected.

00016/0000019-p1 2004n PAGE OF

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

Form Approved.
OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S. W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY
LOCATION

ATTN: DR. MOHSIN R. SIDDIQUE

DC0000221	MS4 A
PERMIT NUMBER	DISCHARGE NUMBER

MINOR

F - FINAL
MELVIN HAZEN VALLEY BRANCH

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NITROGEN, KJELDAHL TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00625 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00630 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, DISSOLVED	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00666 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
HARDNESS, TOTAL (AS CACO3)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS A	SAMPLE MEASUREMENT	******	******		----	----	----	(13)	--		
31679 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	#/100ML		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
202	787-2609	5	5	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
AS OF MARCH 17, 2003 THE GALLATIN AND 14TH STREET, NE MONITORING LOCATION and NAME CHANGED TO MELVIN HAZEN VALLEY BRANCH (MELVIN HAZEN PARK AND QUEBECK STREET. ---- No data available to report at this time. Data will be collected.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

00017/040419911 This is a 4-part form. PAGE OF 2

Form Approved.
OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

DC0000221 — PERMIT NUMBER
MS4 A — DISCHARGE NUMBER

MINOR

F - FINAL
MELVIN HAZEN VALLEY BRANCH

	MONITORING PERIOD					
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

*** NO DISCHARGE | __ | ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BASE/NEUTRAL COMPOUNDS	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
32015 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
ACID COMPOUNDS	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
32020 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1016 (AROCHLOR 1016)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
34671 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1221 (AROCHLOR 1221)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
39488 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1232 (AROCHLOR 1232)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
39492 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1242 BOT. DEP., DRY SOLID	SAMPLE MEASUREMENT	******	******		******	******	----	(19)	--		
39499 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1248 (AROCHLOR 1248)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
39500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael Marcotte
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
202	787-2609	5	5	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
AS OF MARCH 17, 2003 THE GALLATIN AND 14TH STREET, NE MONITORING LOCATION and NAME CHANGED TO MELVIN HAZEN VALLEY BRANCH (MELVIN HAZEN PARK AND QUEBECK STREET. ---- No data available to report at this time. Data will be collected.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

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Form Approved.
OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility name/Location if Different)
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S. W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

DC0000221 — PERMIT NUMBER
MS4 A — DISCHARGE NUMBER

MINOR

F - FINAL
MELVIN HAZEN VALLEY BRANCH

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PCB-1254 (AROCHLOR 1254) 39504 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1260 (AROCHLOR 1260) 39508 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
SOLIDS, TOTAL DISSOLVED (TDS) 70296 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PESTICIDES, GENERAL 74053 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(13)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	#/100ML		THREE/YEAR	COMPOS
METALS, TOTAL 78240 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael Marcotte
TYPED OR PRINTED

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[signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
202	787-2609	5	5	04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
AS OF MARCH 17, 2003 THE GALLATIN AND 14TH STREET, NE MONITORING LOCATION and NAME CHANGED TO MELVIN HAZEN VALLEY BRANCH (MELVIN HAZEN PARK AND QUEBECK STREET. ---- No data available to report at this time. Data will be collected.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.
00019/040419-P1 This is a 4-part form.
PAGE OF

Form Approved.
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

MINOR

DC0000221 — PERMIT NUMBER
MS4 A — DISCHARGE NUMBER

F - FINAL
MELVIN HAZEN VALLEY BRANCH

MONITORING PERIOD
FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
VOLATILE COMPOUNDS, (GC/MS) 78732 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		----	----	----	(19	--		
	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
CHEMICAL OXYGEN DEMAND (COD) 81017 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Michael Marcotte
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
202	787-2609	5	5	04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
AS OF MARCH 17, 2003 THE GALLATIN AND 14TH STREET, NE MONITORING LOCATION AND NAME CHANGED TO MELVIN HAZEN VALLEY BRANCH (MELVIN HAZEN PARK AND QUEBECK STREET. ---- No data available to report at this time. Data will be collected.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY

LOCATION

ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221	MS9 A
PERMIT NUMBER	DISCHARGE NUMBER

MINOR

F - FINAL

HICKEY RUN

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

Form Approved.
OMB No. 2040-0004

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	******	******		******	******	----	(15)	--		
00011 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	DEG. F		THREE/YEAR	GRAB
PH	SAMPLE MEASUREMENT	******	******		----	******	----	(12)	--		
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	REPORT MAXIMUM	SU		THREE/YEAR	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00600 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, ORGANIC TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00605 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
202	787-2609	5	5	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

---- No data available to report at this time. Data will be collected.

Form Approved.
OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

DC0000221 — PERMIT NUMBER
MS9 A — DISCHARGE NUMBER

MINOR
F - FINAL
HICKEY RUN

MONITORING PERIOD
FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

*** NO DISCHARGE | | ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NITROGEN, KJELDAHL TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00625 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00630 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, DISSOLVED	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00666 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
HARDNESS, TOTAL (AS CACO3)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
00900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS A	SAMPLE MEASUREMENT	******	******		----	----	----	(13)	--		
31679 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	#/100ML		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Michael Marcotte
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 202 NUMBER 787-2609
DATE: YEAR 5 MO 5 DAY 04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

---- No data available to report at this time. Data will be collected.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221 — PERMIT NUMBER | MS9 A — DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

MINOR

F - FINAL
HICKEY RUN

*** NO DISCHARGE | __ | ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BASE/NEUTRAL COMPOUNDS	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
32015 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
ACID COMPOUNDS	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
32020 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1016 (AROCHLOR 1016)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
34671 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1221 (AROCHLOR 1221)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
39488 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1232 (AROCHLOR 1232)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
39492 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1242 BOT. DEP., DRY SOLID	SAMPLE MEASUREMENT	******	******		******	******	----	(19)	--		
39499 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1248 (AROCHLOR 1248)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
39500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Michael Marcotte (TYPED OR PRINTED)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 202 NUMBER 787-2609

DATE: YEAR 5 MO 5 DAY 04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

----- No data available to report at this time. Data will be collected.

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

DC0000221	MS9 A
PERMIT NUMBER	DISCHARGE NUMBER

MINOR

F - FINAL
HICKEY RUN

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

*** NO DISCHARGE | __ | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PCB-1254 (AROCHLOR 1254) 39504 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1260 (AROCHLOR 1260) 39508 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
SOLIDS, TOTAL DISSOLVED (TDS) 70296 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PESTICIDES, GENERAL 74053 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(13)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	#/ 100ML		THREE/YEAR	COMPOS
METALS, TOTAL 78240 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Michael Marcotte	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		202	787-2609	5	5	04
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

---- No data available to report at this time. Data will be collected.

Form Approved.
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER	DISCHARGE NUMBER
DC0000221	MS9 A

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL
HICKEY RUN

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
VOLATILE COMPOUNDS, (GC/MS)	SAMPLE MEASUREMENT	******	******		----	----	----	(19)	--		
78732 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	GRAB
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
CHEMICAL OXYGEN DEMAND (COD)	SAMPLE MEASUREMENT	******	******		******	----	----	(19)	--		
81017 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael Marcotte

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	TELEPHONE NUMBER	DATE YEAR	DATE MO	DATE DAY
202	787-2609	5	5	04

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

---- No data available to report at this time. Data will be collected.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME DC WATER & SEWER AUTHORITY

ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY

LOCATION

ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DC0000221	MS7 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL
EAST CAPITOL ST.

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	******	******		******	******		(15)			
00011 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	DEG. F		THREE/YEAR	GRAB
PH	SAMPLE MEASUREMENT	******	******			******		(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	REPORT MAXIMUM	SU		THREE/YEAR	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******			(19)			
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******			(19)			
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******			(19)			
00600 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, ORGANIC TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******			(19)			
00605 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT			THREE	GRAB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******						
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPUR					OS

NOT SIGNED

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

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SIGNATURE OF PRINCIPA OFFICER OR AUTHORI

Y

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221 — PERMIT NUMBER
MS7 A — DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

MINOR

F - FINAL
EAST CAPITOL ST.

*** NO DISCHARGE [ ] ***

Form Approved.
OMB No. 2040-0004

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NITROGEN, KJELDAHL TOTAL (AS N) 00625 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(19			
	PERMIT REQUIREMENT	******	******	******	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N) 00630 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(19			
	PERMIT REQUIREMENT	******	******	******	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(19			
	PERMIT REQUIREMENT	******	******	******	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, DISSOLVED 00666 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(19			
	PERMIT REQUIREMENT	******	******	******	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(19			
	PERMIT REQUIREMENT	******	******	******	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
HARDNESS, TOTAL (AS CACO3) 00900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(19			
	PERMIT REQUIREMENT	******	******	******	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AB 31679 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******					(13			
	PERMIT REQUIREMENT	******	******	******	REPORT	REPORT	REPORT MAXIMUM	#/ 100ML		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE — AREA CODE — NUMBER

DATE — YEAR — MO — DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

DC0000221
PERMIT NUMBER

M57 A
DISCHARGE NUMBER

MINOR

F - FINAL
EAST CAPITOL ST.

	MONITORING PERIOD					
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
ACID COMPOUNDS	SAMPLE MEASUREMENT	******	******		******			(19)			
32020 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1016 (AROCHLOR 1016)	SAMPLE MEASUREMENT	******	******		******			(19)			
34671 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1221 (AROCHLOR 1221)	SAMPLE MEASUREMENT	******	******		******			(19)			
39488 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1232 (AROCHLOR 1232)	SAMPLE MEASUREMENT	******	******		******			(19)			
39492 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1242 BOT. DEP., DRY SOLID	SAMPLE MEASUREMENT	******	******		******	******		(19)			
39499 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1248 (AROCHLOR 1248)	SAMPLE MEASUREMENT	******	******		******			(19)			
39500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PCB-1254 (AROCHLOR 1254)	SAMPLE MEASUREMENT	******	******		******			(19)			
39504 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221 — PERMIT NUMBER
MS7 A — DISCHARGE NUMBER
MONITORING PERIOD: FROM YEAR 03 MO 04 DAY 01 TO YEAR 04 MO 03 DAY 31

MINOR
F - FINAL
EAST CAPITOL ST.
*** NO DISCHARGE [ ] ***
NOTE: Read Instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PCB-1260 (AROCHLOR 1260) 39508 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(19)			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(19)			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
SOLIDS, TOTAL DISSOLVED (TDS) 70296 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******		(19)			
	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PESTICIDES, GENERAL 74053 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(19)			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(13)			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	#/ 100ML		THREE/YEAR	COMPOS
METALS, TOTAL 78240 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(19)			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
VOLATILE COMPOUNDS, (GC/MS) 78732 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******					(19)			
	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE — AREA CODE | NUMBER

DATE — YEAR | MO | DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location (If Different)*
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221 — PERMIT NUMBER
MS7 A — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL
EAST CAPITOL ST.

*** NO DISCHARGE [ ] ***
NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(19)			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/WEEK YEAR	COMPOS
CHEMICAL OXYGEN DEMAND (COD) 81017 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(19)			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/WEEK YEAR	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE — AREA CODE / NUMBER

DATE — YEAR / MO / DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME DC WATER & SEWER AUTHORITY
ADDRESS 5000 OVERLOOK AVENUE, S. W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002
FACILITY
LOCATION
ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MINOR

Form Approved.
OMB No. 2040-0004

DC0000221	MSB A
PERMIT NUMBER	DISCHARGE NUMBER

F - FINAL
FT. LINCOLN-NEWTOWN BMP

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	******	******		******	******		(15)			
00011 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	DEG. F		THREE/YEAR	GRAB
PH	SAMPLE MEASUREMENT	******	******			******		(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	REPORT MAXIMUM	SU		THREE/YEAR	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******			(19)			
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******			(19)			
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******			(19)			
00600 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITROGEN, ORGANIC TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******			(19)			
00605 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******			(19)			
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

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TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY

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PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME DC WATER & SEWER AUTHORITY

ADDRESS 5000 OVERLOOK AVENUE, S.W.
ATTN: DR. MOHSIN R. SIDDIQUE
WASHINGTON DC 20002

FACILITY

LOCATION

ATTN: DR. MOHSIN R. SIDDIQUE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221	MS8 A
PERMIT NUMBER	DISCHARGE NUMBER

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

F - FINAL

FT. LINCOLN-NEWTOWN BMP

*** NO DISCHARGE | _ | ***

NOTE: Read instructions before completing this form.

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OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NITROGEN, KJELDAHL TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******			(19)			
00625 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N	SAMPLE MEASUREMENT	******	******		******			(19)			
00630 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	******	******		******			(19)			
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHOSPHORUS, DISSOLVED	SAMPLE MEASUREMENT	******	******		******			(19)			
00666 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	******	******		******			(19)			
00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
HARDNESS, TOTAL (AS CACO3)	SAMPLE MEASUREMENT	******	******		******			(19)			
00900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
BASE/NEUTRAL COMPOUNDS	SAMPLE MEASUREMENT	******	******		******			(19)			
32015 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221	M58 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

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FT. LINCOLN-NEWTOWN BMP

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ACID COMPOUNDS	SAMPLE MEASUREMENT	******	******		******			(19)			
32020 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
PCB-1016 (AROCHLOR 1016)	SAMPLE MEASUREMENT	******	******		******			(19)			
34671 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
PCB-1221 (AROCHLOR 1221)	SAMPLE MEASUREMENT	******	******		******			(19)			
39488 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
PCB-1232 (AROCHLOR 1232)	SAMPLE MEASUREMENT	******	******		******			(19)			
39492 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
PCB-1242 BOT. DEP., DRY SOLID	SAMPLE MEASUREMENT	******	******		******	******		(19)			
39499 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
PCB-1248 (AROCHLOR 1248)	SAMPLE MEASUREMENT	******	******		******			(19)			
39500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
PCB-1254 (AROCHLOR 1254)	SAMPLE MEASUREMENT	******	******		******			(19)			
39504 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS

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DISCHARGE MONITORING REPORT *(DMR)*

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PCB-1260 (AROCHLOR 1260) 39508 1 0 0	SAMPLE MEASUREMENT	******	******		******			(19)			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PHENOLS 46000 1 0 0	SAMPLE MEASUREMENT	******	******		******			(19)			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
SOLIDS, TOTAL DISSOLVED (TDS) 70296 1 0 0	SAMPLE MEASUREMENT	******	******		******	******		(19)			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
PESTICIDES, GENERAL 74053 1 0 0	SAMPLE MEASUREMENT	******	******		******			(19)			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	COMPOS
COLIFORM, FECAL GENERAL 74055 1 0 0	SAMPLE MEASUREMENT	******	******		******			(13)			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	#/100ML		THREE/YEAR	COMPOS
METALS, TOTAL 78240 1 0 0	SAMPLE MEASUREMENT	******	******		******			(19)			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB
VOLATILE COMPOUNDS, (GC/MS) 78732 1 0 0	SAMPLE MEASUREMENT	******	******					(19)			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT	REPORT	REPORT MAXIMUM	MG/L		THREE/YEAR	GRAB

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DC0000221	MS8 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	04	01	TO	04	03	31

MINOR

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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	******	******		******			(19)			
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
CHEMICAL OXYGEN DEMAND (COD)	SAMPLE MEASUREMENT	******	******		******			(19)			
81017 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT	REPORT MAXIMUM	MG/L		THREE/ YEAR	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

APPENDIX I

EVALUATION OF COLLECTED DATA FOR ALL MONITORING LOCATIONS

SUMMARY OF RESULTS FOR DETECTED CONSTITUENTS

SUMMARY OF RESULTS FOR DETECTED* CONSTITUENTS IN WET SAMPLES FROM MILITARY AND BEACH SAMPLING EVENTS

Parameter	UNITS	EVENT #1 Result 9/12/03	DC WQ Standards	
			Acute (CMC)	Chronic (CCC)
Volatile Organic Compounds				
Toluene	UG/L	2.7	NA	600
Base/Neutral Extractable Compounds				
Bis(2-ethylhexyl)phthalate	UG/L	13	NA	NA
Pesticides/PCBs				
PCB-44	NG/L	0.214	NA	NA
PCB-66	NG/L	0.265	NA	NA
PCB-153	NG/L	0.366	NA	NA
Metals, Cyanide, and Phenols				
Antimony, Total	MG/L	0.009	NA	NA
Chromium, Total	MG/L	0.012	NA	NA
Copper, Total	MG/L	0.093	0.0186[a]	NA
Lead, Total	MG/L	0.031	NA	NA
Nickel, Total	MG/L	0.016	NA	NA
Silver, Total	MG/L	0.002	NA	NA
Zinc, Total	MG/L	0.229	0.1241[a]	NA
Conventional Pollutants				
Total suspended solids	MG/L	107	NA	NA
Total dissolved solids	MG/L	112	NA	NA
COD	MG/L	124	NA	NA
BOD_5	MG/L	15	NA	NA
Oil and Grease	MG/L	6.7	NA	NA
Fecal coliform	ORG/100ML	2,300	NA	NA
Fecal streptococcus	ORG/100ML	>=24,000	NA	NA
Total Kjeldahl nitrogen	MG/L	1.3	NA	NA
Nitrate + Nitrite	MG/L	1.33	NA	NA
Dissolved phosphorus	MG/L	0.14	NA	NA
Total ammonia plus organic nitrogen	MG/L	1.3	NA	NA
Total phosphorus (TP)	MG/L	0.21	NA	NA
Others				
Chlorophyll	MG/M^3	11	NA	25
Dissolved Oxygen	MG/L	1.76	NA	5
Hardness	MG/L	58.6	NA	NA
Temperature	SU	18.8	NA	NA
Total Ammonia nitrogen	MG/L	0.55	NA	NA
Organic nitrogen	MG/L	0.75	NA	NA
Total nitrogen	MG/L	2.63	NA	NA

NA - no numerical water quality standards exist for the protection of aquatic life.

a-standards applied to Draft TMDL for Rock Creek (Jan. 2004). Assumed hardness of 110 mg/L.

SUMMARY OF RESULTS FOR DETECTED* CONSTITUENTS IN DRY SAMPLES FROM FT. STEVENS DRIVE SAMPLING EVENTS

Parameter	UNITS	EVENT #1 Result 11/04/03	DC WQ Standards	
			Acute (CMC)	Chronic (CCC)
Pesticides/PCBs				
Aldrin	UG/L	0.003	3	NA
PCB-008	NG/L	2.333	NA	NA
PCB-37	NG/L	0.25	NA	NA
PCB-64	NG/L	7.949	NA	NA
PCB-135	NG/L	0.209	NA	NA
PCB-149	NG/L	0.328	NA	NA
Metals, Cyanide, and Phenols				
Nickel, Total	MG/L	0.009	NA	NA
Zinc, Total	MG/L	0.01	0.1241[a]	NA
Conventional Pollutants				
Total dissolved solids	MG/L	507	NA	NA
Fecal coliform	ORG/100ML	390	NA	NA
Fecal streptococcus	ORG/100ML	230	NA	NA
Nitrate + Nitrite	MG/L	3.92	NA	NA
Dissolved phosphorus	MG/L	0.06	NA	NA
Total phosphorus (TP)	MG/L	0.06	NA	NA
Others				
Chlorophyll	MG/M^3	<6	NA	25
Dissolved Oxygen	MG/L	3.22	NA	5
Hardness	MG/L	229	NA	NA
Temperature	SU	17.8	NA	NA
Total nitrogen	MG/L	3.92	NA	NA

NA - no numerical water quality standards exist for the protection of aquatic life.

a-standards applied to Draft TMDL for Rock Creek (Jan. 2004). Assumed hardness of 110 mg/l..

SUMMARY OF RESULTS FOR DETECTED* CONSTITUENTS IN WET SAMPLES FROM FT. STEVENS DRIVE SAMPLING EVENTS

Parameter	UNITS	EVENT #1 Result 9/12/03	DC WQ Standards	
			Acute (CMC)	Chronic (CCC)
Volatile Organic Compounds				
Toluene	UG/L	1.7	a	600
Base/Neutral Extractable Compounds				
Bis(2-ethylhexyl)phthalate	UG/L	11	NA	NA
Pesticides/PCBs				
PCB-33	NG/L	0.283	NA	NA
PCB-64	NG/L	0.26	NA	NA
PCB-66	NG/L	0.202	NA	NA
Metals, Cyanide, and Phenols				
Antimony, Total	MG/L	0.003	NA	NA
Chromium, Total	MG/L	0.005	NA	NA
Copper, Total	MG/L	0.044	0.0186[a]	NA
Lead, Total	MG/L	0.018	NA	NA
Mercury, Total	MG/L	0.00024	NA	NA
Nickel, Total	MG/L	0.01	NA	NA
Silver, Total	MG/L	0.002	NA	NA
Zinc, Total	MG/L	0.147	0.1241[a]	NA
Conventional Pollutants				
Total suspended solids	MG/L	116	NA	NA
Total dissolved solids	MG/L	66	NA	NA
COD	MG/L	155	NA	NA
BOD_5	MG/L	85	NA	NA
Oil and Grease	MG/L	16	NA	NA
Fecal coliform	ORG/100ML	>=24,000	NA	NA
Fecal streptococcus	ORG/100ML	>=24,000	NA	NA
Total Kjeldahl nitrogen	MG/L	2.7	NA	NA
Nitrate + Nitrite	MG/L	0.962	NA	NA
Dissolved phosphorus	MG/L	0.35	NA	NA
Total ammonia plus organic nitrogen	MG/L	2.7	NA	NA
Total phosphorus (TP)	MG/L	0.4	NA	NA
Others				
Chlorophyll	MG/M^3	8	NA	25
Dissolved Oxygen	MG/L	1.74	NA	5
Hardness	MG/L	44.2	NA	NA
Temperature	SU	19.8	NA	NA
Total Ammonia nitrogen	MG/L	1.1	NA	NA
Organic nitrogen	MG/L	1.6	NA	NA
Total nitrogen	MG/L	3.66	NA	NA

NA - no numerical water quality standards exist for the protection of aquatic life.

a-standards applied to Draft TMDL for Rock Creek (Jan. 2004). Assumed hardness of 110 mg/L.

SUMMARY OF RESULTS FOR DETECTED* CONSTITUENTS IN DRY SAMPLES FROM MILITARY SAMPLING EVENTS

Parameter	UNITS	EVENT #1 Result 11/04/03	DC WQ Standards	
			Acute (CMC)	Chronic (CCC)
Metals, Cyanide, and Phenols				
Zinc, Total	MG/L	0.005	0.1241a	NA
Conventional Pollutants				
Total dissolved solids	MG/L	276	NA	NA
Fecal coliform	ORG/100ML	<30	NA	NA
Fecal streptococcus	ORG/100ML	150	NA	NA
Nitrate + Nitrite	MG/L	2.47	NA	NA
Dissolved phosphorus	MG/L	0.05	NA	NA
Total phosphorus (TP)	MG/L	0.06	NA	NA
Others				
Chlorophyll	MG/M^3	<6	NA	25
Dissolved Oxygen	MG/L	3.52	NA	5
Hardness	MG/L	105	NA	NA
Temperature	SU	16.1	NA	NA
Total nitrogen	MG/L	2.47	NA	NA

NA- no numerical water quality standards exist for the protection of aquatic life.

a-standards applied to Draft TMDL for Rock Creek (Jan. 2004). Assumed hardness of 110 mg/L.

SUMMARY OF RESULTS FOR DETECTED* CONSTITUENTS IN WET SAMPLES FROM SOAPSTONE CREEK SAMPLING EVENT

Parameter	UNITS	EVENT #1 Result 11/04/03	DC WQ Standards	
			Acute (CMC)	Chronic (CCC)
Base/Neutral Extractable Compounds				
Bis(2-ethylhexyl)phthalate	UG/L	1	na	NA
Pesticides/PCBs				
Dieldrin	UG/L	0.008	2.5	0.0019
Heptachlor	UG/L	0.004	0.52	0.0038
PCB-33	NG/L	4.563	NA	NA
PCB-44	NG/L	0.858	NA	NA
PCB-47	NG/L	0.214	NA	NA
PCB-49	NG/L	2.579	NA	NA
PCB-60	NG/L	0.521	NA	NA
PCB-81	NG/L	1.046	NA	NA
PCB-84	NG/L	0.686	NA	NA
PCB-97	NG/L	0.211	NA	NA
PCB-99	NG/L	2.02	NA	NA
PCB-105	NG/L	0.462	NA	NA
PCB-151	NG/L	0.877	NA	NA
Metals, Cyanide, and Phenols				
Chromium, Total	MG/L	0.002	NA	NA
Copper, Total	MG/L	0.007	0.0186[a]	NA
Nickel, Total	MG/L	0.008	NA	NA
Zinc, Total	MG/L	0.018	0.1241[a]	NA
Conventional Pollutants				
Total dissolved solids	MG/L	329	NA	NA
COD	MG/L	17	NA	NA
BOD_5	MG/L	2	NA	NA
Fecal coliform	ORG/100ML	4,300	NA	NA
Fecal streptococcus	ORG/100ML	24,000	NA	NA
Total Kjeldahl nitrogen	MG/L	0.35	NA	NA
Nitrate + Nitrite	MG/L	2.64	NA	NA
Dissolved phosphorus	MG/L	0.1	NA	NA
Total ammonia plus organic nitroger	MG/L	0.35	NA	NA
Total phosphorus (TP)	MG/L	0.11	NA	NA
Others				
Chlorophyll	MG/M^3	<6	NA	25
Dissolved Oxygen	MG/L	12.2	NA	5
Hardness	MG/L	239	NA	NA
Temperature	SU	19.3	NA	32.2
Total Ammonia nitrogen	MG/L	0.24	NA	NA
Organic nitrogen	MG/L	0.11	NA	NA
Total nitrogen	MG/L	2.99	NA	NA

NA - no numerical water quality standards exist for the protection of aquatic life.

a-standards applied to Draft TMDL for Rock Creek (Jan. 2004). Assumed hardness of 110 mg/L.

SUMMARY OF RESULTS FOR DETECTED* CONSTITUENTS IN WET SAMPLES FROM MELVIN HAZEN PARK SAMPLING EVENTS

Parameter	UNITS	EVENT #1 Result 11/04/03	DC WQ Standards	
			Acute (CMC)	Chronic (CCC)
Volatile Organic Compounds				
Chloroform	UG/L	0.9	NA	NA
Base/Neutral Extractable Compounds				
Bis(2-ethylhexyl)phthalate	UG/L	1.1	NA	NA
Pesticides/PCBs				
Dieldrin	UG/L	0.03	2.5	0.0019
Heptachlor	UG/L	0.003	0.52	0.0038
Heptachlor epoxide	UG/L	0.007	0.52	0.0038
PCB-33	NG/L	8.347	NA	NA
PCB-44	NG/L	0.493	NA	NA
PCB-49	NG/L	1.736	NA	NA
PCB-60	NG/L	0.732	NA	NA
PCB-81	NG/L	8.48	NA	NA
PCB-84	NG/L	8.49	NA	NA
PCB-99	NG/L	2.312	NA	NA
PCB-141	NG/L	0.239	NA	NA
PCB-151	NG/L	0.45	NA	NA
Metals, Cyanide, and Phenols				
Copper, Total	MG/L	0.007	0.0186[a]	NA
Nickel, Total	MG/L	0.007	NA	NA
Zinc, Total	MG/L	0.013	0.1241[a]	NA
Conventional Pollutants				
Total suspended solids	MG/L		NA	NA
Total dissolved solids	MG/L	280	NA	NA
Fecal coliform	ORG/100ML	930	NA	NA
Fecal streptococcus	ORG/100ML	24,000	NA	NA
Nitrate + Nitrite	MG/L	2.78	NA	NA
Dissolved phosphorus	MG/L	0.04	NA	NA
Total phosphorus (TP)	MG/L	0.04	NA	NA
Others				
Chlorophyll	MG/M^3	<6	NA	25
Dissolved Oxygen	MG/L	11.1	NA	5
Hardness	MG/L	214	NA	NA
Temperature	SU	18.9	NA	NA
Total nitrogen	MG/L	2.78	NA	NA

NA - no numerical water quality standards exist for the protection of aquatic life.

a-standards applied to Draft TMDL for Rock Creek (Jan. 2004). Assumed hardness of 110 mg/L.

SUMMARY OF RESULTS FOR DETECTED* CONSTITUENTS IN WET SAMPLES FROM KLINGLE VALLEY CREEK SAMPLING EVENTS

Parameter	UNITS	EVENT #1 Result 10/14/03	DC WQ Standards	
			Acute (CMC)	Chronic (CCC)
Base/Neutral Extractable Compounds				
Bis(2-ethylhexyl)phthalate	UG/L	0.8	NA	NA
Pesticides/PCBs				
Dieldrin	UG/L	0.013	2.5	0.0019
Heptachlor epoxide	UG/L	0.004	0.52	0.0038
PCB-33	NG/L	0.99	NA	NA
PCB-49	NG/L	0.462	NA	NA
PCB-99	NG/L	0.583	NA	NA
Metals, Cyanide, and Phenols				
Chromium, Total	MG/L	0.005	NA	NA
Copper, Total	MG/L	0.077	0.0186[a]	NA
Lead, Total	MG/L	0.107	NA	NA
Nickel, Total	MG/L	0.01	NA	NA
Zinc, Total	MG/L	0.057	0.1241[a]	NA
Conventional Pollutants				
Total suspended solids	MG/L	40	NA	NA
Total dissolved solids	MG/L	67	NA	NA
COD	MG/L	53	NA	NA
BOD_5	MG/L	8	NA	NA
Fecal coliform	ORG/100ML	24,000	NA	NA
Fecal streptococcus	ORG/100ML	>=240,000	NA	NA
Total Kjeldahl nitrogen	MG/L	0.87	NA	NA
Nitrate + Nitrite	MG/L	1.29	NA	NA
Dissolved phosphorus	MG/L	0.24	NA	NA
Total ammonia plus organic nitrogen	MG/L	0.87	NA	NA
Total phosphorus (TP)	MG/L	0.3	NA	NA
Others				
Chlorophyll	MG/M^3	<6	NA	25
Dissolved Oxygen	MG/L	12.25	NA	5
Hardness	MG/L	33.6	NA	NA
Temperature	SU	17.9	NA	NA
Total Ammonia nitrogen	MG/L	0.35	NA	NA
Organic nitrogen	MG/L	0.52	NA	NA
Total nitrogen	MG/L	2.16	NA	NA

NA - no numerical water quality standards exist for the protection of aquatic life.

a-standards applied to Draft TMDL for Rock Creek (Jan. 2004). Assumed hardness of 110 mg/L.

SUMMARY OF RESULTS FOR DETECTED* CONSTITUENTS IN DRY SAMPLES FROM KLINGLE VALLEY CREEK SAMPLING EVENTS

Parameter	UNITS	EVENT #1 Result 11/04/03	DC WQ Standards	
			Acute (CMC)	Chronic (CCC)
Pesticides/PCBs				
Chlordane	UG/L	0.98	2.4	0.004
Dieldrin	UG/L	0.12	2.5	0.0019
Heptachlor epoxide	UG/L	0.02	0.52	0.0038
PCB-31	NG/L	17.895	NA	NA
PCB-33	NG/L	23.776	NA	NA
PCB-49	NG/L	9.479	NA	NA
PCB-60	NG/L	6.14	NA	NA
PCB-81	NG/L	7.125	NA	NA
PCB-84	NG/L	4.915	NA	NA
PCB-97	NG/L	1.383	NA	NA
PCB-99	NG/L	10.034	NA	NA
PCB-105	NG/L	1.891	NA	NA
PCB-132	NG/L	2.382	NA	NA
PCB-135	NG/L	0.352	NA	NA
PCB-146	NG/L	0.415	NA	NA
PCB-151	NG/L	3.976	NA	NA
Metals, Cyanide, and Phenols				
Copper, Total	MG/L	0.012	0.0186[a]	NA
Lead, Total	MG/L	0.006	NA	NA
Nickel, Total	MG/L	0.015	NA	NA
Zinc, Total	MG/L	0.013	0.1241[a]	NA
Conventional Pollutants				
Total dissolved solids	MG/L	254	NA	NA
Fecal coliform	ORG/100ML	46.000	NA	NA
Fecal streptococcus	ORG/100ML	15.000	NA	NA
Total Kjeldahl Nitrogen (TKN)	MG/L	0.41	NA	NA
Nitrate + Nitrite	MG/L	3.67	NA	NA
Dissolved phosphorus	MG/L	0.07	NA	NA
Total Ammonia + Organic Nitrogen	MG/L	0.41	NA	NA
Total phosphorus (TP)	MG/L	0.1	NA	NA
Others				
Chlorophyll	MG/M^3	<6	NA	25
Dissolved Oxygen	MG/L	8.72	NA	5
Temperature	SU	17.7	NA	NA
Total Ammonia Nitrogen	MG/L	0.4	NA	NA
Organic Nitrogen	MG/L	0.01	NA	NA
Total nitrogen	MG/L	4.08	NA	NA

NA - no numerical water quality standards exist for the protection of aquatic life.

a-standards applied to Draft TMDL for Rock Creek (Jan. 2004). Assumed hardness of 110 mg/L.

SUMMARY OF RESULTS FOR DETECTED* CONSTITUENTS IN DRY SAMPLES FROM NORMANSTONE CREEK SAMPLING EVENTS

Parameter	UNITS	EVENT #1 Result 11/04/03	DC WQ Standards	
			Acute (CMC)	Chronic (CCC)
Pesticides/PCBs				
Dieldrin	UG/L	0.004	2.5	0.0019
Heptachlor	UG/L	0.005	0.52	0.0038
PCB-44	NG/L	0.217	NA	NA
PCB-99	NG/L	0.343	NA	NA
PCB-180	NG/L	0.273	NA	NA
Metals, Cyanide, and Phenols				
Copper, Total	MG/L	0.013	0.0186[a]	NA
Nickel, Total	MG/L	0.004	NA	NA
Zinc, Total	MG/L	0.009	0.1241[a]	NA
Conventional Pollutants				
Total dissolved solids	MG/L	270	NA	NA
Fecal coliform	ORG/100ML	390	NA	NA
Fecal streptococcus	ORG/100ML	430	NA	NA
Nitrate + Nitrite	MG/L	3.76	NA	NA
Dissolved phosphorus	MG/L	0.04	NA	NA
Total phosphorus (TP)	MG/L	0.04	NA	NA
Others				
Chlorophyll	MG/M^3	<6	NA	25
Dissolved Oxygen	MG/L	8.96	NA	5
Hardness	MG/L	169	NA	NA
Temperature	SU	16.9	NA	NA
Total nitrogen	MG/L	3.76	NA	NA

NA- no numerical water quality standards exist for the protection of aquatic life.

a-standards applied to Draft TMDL for Rock Creek (Jan. 2004). Assumed hardness of 110 mg/l.

SUMMARY OF RESULTS FOR DETECTED* CONSTITUENTS IN WET SAMPLES FROM PORTAL AND 16TH STREET SAMPLING EVENTS

Parameter	UNITS	EVENT #1 Result 10/14/03	DC WQ Standards	
			Acute (CMC)	Chronic (CCC)
Volatile Organic Compounds				
Benzene	UG/L	5.3	NA	1000
Ethylbenzene	UG/L	3.5	NA	40
Toluene	UG/L	22	NA	600
Base/Neutral Extractable Compounds				
Bis(2-ethylhexyl)phthalate	UG/L	2.7	NA	NA
Pesticides/PCBs				
PCB-66	NG/L	0.253	NA	NA
PCB-95	NG/L	0.27	NA	NA
PCB-105	NG/L	0.322	NA	NA
PCB-110	NG/L	0.848	NA	NA
PCB-118	NG/L	0.865	NA	NA
PCB-128	NG/L	0.208	NA	NA
PCB-132	NG/L	1.965	NA	NA
PCB-138	NG/L	0.808	NA	NA
PCB-149	NG/L	0.525	NA	NA
PCB-153	NG/L	0.738	NA	NA
PCB-180	NG/L	0.277	NA	NA
PCB-196	NG/L	0.324	NA	NA
PCB-208	NG/L	0.262	NA	NA
Metals, Cyanide, and Phenols				
Chromium, Total	MG/L	0.007	NA	NA
Copper, Total	MG/L	0.03	0.0186[a]	NA
Lead, Total	MG/L	0.013	NA	NA
Nickel, Total	MG/L	0.01	NA	NA
Zinc, Total	MG/L	0.132	0.1241[a]	NA
Conventional Pollutants				
Total suspended solids	MG/L	60	NA	NA
Total dissolved solids	MG/L	110	NA	NA
COD	MG/L	59	NA	NA
BOD_5	MG/L	10	NA	NA
Fecal coliform	ORG/100ML	9,300	NA	NA
Fecal streptococcus	ORG/100ML	110,000	NA	NA
Total Kjeldahl nitrogen	MG/L	1.3	NA	NA
Nitrate + Nitrite	MG/L	1.44	NA	NA
Dissolved phosphorus	MG/L	0.17	NA	NA
Total ammonia plus organic nitrogen	MG/L	1.3	NA	NA
Total phosphorus (TP)	MG/L	0.23	NA	NA
Others				
Chlorophyll	MG/M^3	<6	NA	25
Dissolved Oxygen	MG/L	9.07	NA	5
Hardness	MG/L	60.5	NA	NA
Temperature	SU	17.5	NA	NA
Total Ammonia nitrogen	MG/L	0.43	NA	NA
Organic nitrogen	MG/L	0.87	NA	NA
Total nitrogen	MG/L	2.74	NA	NA

NA - no numerical water quality standards exist for the protection of aquatic life.

a-standards applied to Draft TMDL for Rock Creek (Jan. 2004). Assumed hardness of 110 mg/L.

SUMMARY OF RESULTS FOR DETECTED* CONSTITUENTS IN WET SAMPLES FROM BROAD BRANCH SAMPLING EVENTS

Parameter	UNITS	EVENT #1 Result 10/14/03	DC WQ Standards Acute (CMC)	DC WQ Standards Chronic (CCC)
Base/Neutral Extractable Compounds				
Bis(2-ethylhexyl)phthalate	UG/L	1.7	NA	NA
Napthalene	UG/L	1.7	NA	600
Pesticides/PCBs				
4, 4'-DDT	UG/L	0.012	1.1	0.001
Dieldrin	UG/L	0.002	2.5	0.0019
PCB-18	NG/L	0.287	NA	NA
PCB-28	NG/L	0.635	NA	NA
PCB-49	NG/L	0.655	NA	NA
PCB-87	NG/L	0.217	NA	NA
PCB-91	NG/L	0.393	NA	NA
PCB-95	NG/L	0.459	NA	NA
PCB-97	NG/L	0.48	NA	NA
PCB-99	NG/L	0.546	NA	NA
PCB-110	NG/L	0.62	NA	NA
PCB-136	NG/L	0.442	NA	NA
PCB-138	NG/L	0.491	NA	NA
PCB-149	NG/L	0.243	NA	NA
PCB-153	NG/L	0.27	NA	NA
Metals, Cyanide, and Phenols				
Arsenic, Total	MG/L	0.002	0.34	0.15
Cadmium, Total	MG/L	0.0008	NA	NA
Chromium, Total	MG/L	0.013	NA	NA
Copper, Total	MG/L	0.092	0.0186[a]	NA
Lead, Total	MG/L	0.028	NA	NA
Nickel, Total	MG/L	0.021	NA	NA
Zinc, Total	MG/L	0.128	0.1241[a]	NA
Conventional Pollutants				
Total suspended solids	MG/L	105	NA	NA
Total dissolved solids	MG/L	208	NA	NA
COD	MG/L	112	NA	NA
BOD_5	MG/L	23	NA	NA
Fecal coliform	ORG/100ML	24,000	NA	NA
Fecal streptococcus	ORG/100ML	>=240,000	NA	NA
Total Kjeldahl nitrogen	MG/L	2.1	NA	NA
Nitrate + Nitrite	MG/L	1.81	NA	NA
Dissolved phosphorus	MG/L	0.54	NA	NA
Total ammonia plus organic nitrogen	MG/L	2.1	NA	NA
Total phosphorus (TP)	MG/L	0.53	NA	NA
Others				
Chlorophyll	MG/M^3	<6	NA	25
Dissolved Oxygen	MG/L	8.65	NA	5
Hardness	MG/L	114	NA	NA
Temperature	SU	17.9	NA	NA
Total Ammonia nitrogen	MG/L	0.8	NA	NA
Organic nitrogen	MG/L	1.3	NA	NA
Total nitrogen	MG/L	3.91	NA	NA

NA - no numerical water quality standards exist for the protection of aquatic life.

a-standards applied to Draft TMDL for Rock Creek (Jan. 2004). Assumed hardness of 110 mg/L.

SUMMARY OF RESULTS FOR ALL SAMPLING SITES

WALTER REED-FT. STEVENS DRIVE

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 09/12/03
Location of Sample: Ft. Stevens Drive

Parameter	MDL	Anaylsis Result
(A)Volatile Organic Compounds		
Acrolein	50 ug/l	ND ug/l
Acrylonitrile	50 ug/l	ND ug/l
Benzene	0.80 ug/l	ND ug/l
Bromoform	0.40 ug/l	ND ug/l
Carbon tetrachloride	0.90 ug/l	ND ug/l
Chlorobenzene	0.70 ug/l	ND ug/l
Chlorodibromomethane (Dibromochloromethane)	0.70 ug/l	ND ug/l
Chloroethane	1.5 ug/l	ND ug/l
2-Chloroethlyvinyl ether	0.90 ug/l	ND ug/l
Chloroform	0.60 ug/l	ND ug/l
cis-1,3-Dichloropropene	0.60 ug/l	ND ug/l
Dichlorobromomethane	0.70 ug/l	ND ug/l
1,1-Dichloroethane	1.1 ug/l	ND ug/l
1,2-Dichloroethane	0.50 ug/l	ND ug/l
1,1-Dichloroethylene (1,1-Dichloroethane)	0.80 ug/l	ND ug/l
1,2-Dichloropropane	0.80 ug/l	ND ug/l
1,3-Dichloropropylene (trans-1,3-Dichloropropene)	0.60 ug/l	ND ug/l
Ethylbenzene	0.80 ug/l	ND ug/l
Methyl bromide (bromomethane)	1.0 ug/l	ND ug/l
Methyl chloride	0.70 ug/l	ND ug/l
Methylene chloride	0.70 ug/l	ND ug/l
1,1,2,2-Tetrachloroethane	1.1 ug/l	ND ug/l
Tetrachloroethene	1.1 ug/l	ND ug/l
Toluene	0.90 ug/l	1.7 ug/l
1,2-trans-Dichloroethyle: (trans-1,2-Dichloroethane)	0.80 ug/l	ND ug/l
1,1,1-Trichloroethane	0.80 ug/l	ND ug/l
1,1,2-Trichloroethane	0.70 ug/l	ND ug/l
Trichloroethylene	1.0 ug/l	ND ug/l
Vinyl Chloride	1.4 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 09/12/03
Location of Sample: Ft. Stevens Drive

Parameter	MDL	Anaylsis Result
(C)Base/Neutral Extractable Compounds		
Acenaphthene	0.80 ug/l	ND ug/l
Acenaphthylene	0.80 ug/l	ND ug/l
Anthracene	0.70 ug/l	ND ug/l
Benzidine	3.6 ug/l	ND ug/l
Benzo(a)anthracene	0.70 ug/l	ND ug/l
Benzo(a)pyrene (Benzo[b]fluoranthene)	0.60 ug/l	ND ug/l
3,4-benzofluoranthene	0.80 ug/l	ND ug/l
Benzo(ghi)perylene	0.70 ug/l	ND ug/l
Benzo(k)fluoranthene	1.3 ug/l	ND ug/l
Bis(2-chloroethoxy)methane	0.90 ug/l	ND ug/l
Bis(2-chloroethyl)ether	1.1 ug/l	ND ug/l
Bis(2-chloroisopropyl)ether	1.4 ug/l	ND ug/l
Bis(2-ethylhexyl)phthalate	0.70 ug/l	11 ug/l
4-bromophenyl-phenylether	0.70 ug/l	ND ug/l
Butylbenzylphthalate	3.6ug/l	ND ug/l
2-Chloronaphthalene	1.0 ug/l	ND ug/l
4-chlorophenyl-phenylether	0.90 ug/l	ND ug/l
Chrysene	0.60 ug/l	ND ug/l
Dibenzo(a,h)anthracene	0.60 ug/l	ND ug/l
1,2-Dichlorobenzene	1.9 ug/l	ND ug/l
1,3-Dichlorobenzene	2.0 ug/l	ND ug/l
1,4-Dichlorobenzene	1.9 ug/l	ND ug/l
3,3'-Dichlorobenzidine	0.80 ug/l	ND ug/l
Diethylphthalate	2.5 ug/l	ND ug/l
Dimethylphthalate	3.7 ug/l	ND ug/l
Di-n-butylphthalate	1.6 ug/l	ND ug/l
2,4-Dinitrotoluene	0.80 ug/l	ND ug/l
2,6-dinitrotoluene	0.80 ug/l	ND ug/l
Di-n-octyl phthalate	1.7 ug/l	ND ug/l
1,2-diphenythydrazine as azobenzene	0.60 ug/l	ND ug/l
Fluroranthene	0.60 ug/l	ND ug/l
Fluorene	0.80 ug/l	ND ug/l
Hexachlorobenzene	0.90 ug/l	ND ug/l
Hexachlorobutadiene	1.9 ug/l	ND ug/l
Hexachlorocyclopentadiene	1.0ug/l	ND ug/l
Hexachloroethane	2.0 ug/l	ND ug/l
Indeno(1,2,3-cd)pyrene	0.60 ug/l	ND ug/l
Isophorone	0.80 ug/l	ND ug/l
Napthalene	1.4 ug/l	ND ug/l
Nitrobenzene	1.0 ug/l	ND ug/l
N-nitrosodimethylamine	0.50 ug/l	ND ug/l
N-nitroso-di-n-propylamine	0.80 ug/l	ND ug/l
N-nitrosodiphenylamine	0.60 ug/l	ND ug/l
Phenanthrene	0.70 ug/l	ND ug/l
Pyrene	0.80 ug/l	ND ug/l
1,2,4-trichlorobenzene	1.6 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 09/12/03
Location of Sample: Ft. Stevens Drive

Parameter	MDL	Anaylsis Result
(D)Pesticides/PCBs J= Estimated Value		
Aldrin	0.00030 ug/l	ND ug/l
Alpha-BHC	0.00020 ug/l	ND ug/l
Beta-BHC	0.00020 ug/l	ND ug/l
Gamma-BHC	0.00020 ug/l	ND ug/l
Delta-BHC	0.00020 ug/l	ND ug/l
Chlorodane	0.34 ug/l	ND ug/l
4,4'-DDT	0.00040 ug/l	ND ug/l
4,4`-DDE	0.00020 ug/l	ND ug/l
4,4'-DDD	0.00030 ug/l	ND ug/l
Dieldrin	0.00020 ug/l	ND ug/l
Alpha-endosulfan	0.00030 ug/l	ND ug/l
Beta-endosulfan	0.00030 ug/l	ND ug/l
Endosulfan sulfate	0.00030 ug/l	ND ug/l
Endrin	0.00030 ug/l	ND ug/l
Endrin aldehyde	0.00020 ug/l	ND ug/l
Heptachlor	0.00020 ug/l	ND ug/l
Heptachlor epoxide	0.00020 ug/l	ND ug/l
PCB-1242	0.4 ug/l	ND ug/l
PCB-1254	0.2 ug/l	ND ug/l
PCB-1221	0.5 ug/l	ND ug/l
PCB-1232	0.5 ug/l	ND ug/l
PCB-1248	0.1 ug/l	ND ug/l
PCB-1260	0.2 ug/l	ND ug/l
PCB-1016	0.3 ug/l	ND ug/l
Toxaphene *****	0.12 ug/l	ND ug/l
PCB-33	0.200 ng/l	0.283 ng/l
PCB-64	0.200 ng/l	0.260 ng/l
PCB-66	0.200 ng/l	0.202 ng/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 09/12/03
Location of Sample: Ft. Stevens Drive

Parameter	MDL	Anaylsis Result
(E)Metals, Cyanide, and Phenols		
Antimony, Total	0.002 mg/l	0.003 mg/l
Arsenic, Total	0.002 mg/l	ND mg/l
Beryllium, Total	0.0005 mg/l	ND mg/l
Cadmium, Total	0.0005 mg/l	ND mg/l
Chromium, Total	0.002 mg/l	0.005 mg/l
Copper, Total	0.002 mg/l	0.044 mg/l
Lead, Total	0.002 mg/l	0.018 mg/l
Mercury, Total	0.0002 mg/l	0.00024 mg/l
Nickel, Total	0.002 mg/l	0.010 mg/l
Selenium, Total	0.002 mg/l	ND mg/l
Silver, Total	0.001 mg/l	0.002 mg/l
Thallium, Total	0.002 mg/l	ND mg/l
Zinc, Total	0.002 mg/l	0.147 mg/l
Cyanide, Total	0.01 mg/l	ND mg/l
Phenols, Total	0.05 mg/l	ND mg/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 09/12/03
Location of Sample: Ft. Stevens Drive

Parameter	MDL	Anaylsis Result
(F) Conventional Pollutants		
Total suspended solids	10 mg/l	116 mg/l
Total dissolved solids	7 mg/l	66 mg/l
COD	10 mg/l	155 mg/l
BOD_5	2 mg/l	85 mg/l
Oil and Grease	5.0 mg/l	16 mg/l
Fecal coliform	2 MPN	>=24,000 org/100ml
Fecal streptococcus	2 MPN	>=24,000 org/100ml
Total Kjeldahl nitrogen (TKN)*	0.20 mg/l	2.7 mg/l
Nitrate + Nitrite ($NO_2 + NO_3$)	0.08 mg/l	0.962 mg/l
Dissolved phosphorous	0.02 mg/l	0.35 mg/l
Total ammonia plus organic nitrogen (NH4+Org. N)	N/A	2.7 mg/l
Total phosophorous (TP)	0.02 mg/l	0.4 mg/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 09/12/03
Location of Sample: Ft. Stevens Drive

Parameter	MDL	Anaylsis Result
(G)Others		
Chlorophyll (a)	0.1 mg/m^3	8 mg/m^3
Dissolved Oxygen	N/A	1.74 mg/l
Hardness	0.50 mg/l	44.2 mg/l
Temperature	N/A	19.8 SU
Total Ammonia nitrogen	0.20 mg/l	1.1 mg/l
Organic nitrogen	N/A	1.6 mg/l
Total nitrogen	N/A	3.662 mg/l
Dioxin (2,3,7,8-TCDD)	1.3 pg/l	ND pg/l

Total N = NO2 + NO3 +TKN
TKN = NH3 + Organic N
Organic N = TKN-NH3

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Ft. Stevens Drive

Parameter	MDL	Anaylsis Result
(A)Volatile Organic Compounds:		
Acrolein	50 ug/l	ND ug/l
Acrylonitrile	50 ug/l	ND ug/l
Benzene	0.80 ug/l	ND ug/l
Bromoform	0.40 ug/l	ND ug/l
Carbon tetrachloride	0.90 ug/l	ND ug/l
Chlorobenzene	0.70 ug/l	ND ug/l
Chlorodibromomethane (Dibromochloromethane)	0.70 ug/l	ND ug/l
Chloroethane	1.5 ug/l	ND ug/l
2-Chloroethlyvinyl ether	0.90 ug/l	ND ug/l
Chloroform	0.60 ug/l	ND ug/l
cis-1,3-Dichloropropene	0.60 ug/l	ND ug/l
Dichlorobromomethane	0.70 ug/l	ND ug/l
1,1-Dichloroethane	1.1 ug/l	ND ug/l
1,2-Dichloroethane	0.50 ug/l	ND ug/l
1,1-Dichloroethylene (1,1-Dichloroethane)	0.80 ug/l	ND ug/l
1,2-Dichloropropane	0.80 ug/l	ND ug/l
1,3-Dichloropropylene (trans-1,3-Dichloropropene)	0.60 ug/l	ND ug/l
Ethylbenzene	0.80 ug/l	ND ug/l
Methyl bromide (bromomethane)	1.0 ug/l	ND ug/l
Methyl chloride	0.70 ug/l	ND ug/l
Methylene chloride	0.70 ug/l	ND ug/l
1,1,2,2-Tetrachloroethane	1.1 ug/l	ND ug/l
Tetrachloroethene	1.1 ug/l	ND ug/l
Toluene	0.90 ug/l	ND ug/l
1,2-trans-Dichloroethylei (trans-1,2-Dichloroethane)	0.80 ug/l	ND ug/l
1,1,1-Trichloroethane	0.80 ug/l	ND ug/l
1,1,2-Trichloroethane	0.70 ug/l	ND ug/l
Trichloroethylene	1.0 ug/l	ND ug/l
Vinyl Chloride	1.4 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Ft. Stevens Drive

Parameter	MDL	Anaylsis Result
(B)Acid Extractable Compounds		
2-Chlorophenol	1.7 ug/l	ND ug/l
2,4-Dichlorophenol	1.5 ug/l	ND ug/l
2,4-Dimethylphenol	1 ug/l	ND ug/l
4,6-Dinitro-o-crestol	3 ug/	ND ug/l
2,4-Dinitrophenol	3.2 ug/l	ND ug/l
2-Nitrophenol	1.6 ug/l	ND ug/l
4-Nitrophenol	0.4 ug/l	ND ug/l
p-Chloro-m-crestol	0.9 ug/l	ND ug/l
Pentachlorophenol	2.9 ug/l	ND ug/l
Phenol	0.8 ug/l	ND ug/l
2,4,6-Trichlorophenol	1.2 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Ft. Stevens Drive

Parameter	MDL	Anaylsis Result
(C)Base/Neutral Extractable Compounds		
Acenaphthene	0.80 ug/l	ND ug/l
Acenaphthylene	0.80 ug/l	ND ug/l
Anthracene	0.70 ug/l	ND ug/l
Benzidine	3.6 ug/l	ND ug/l
Benzo(a)anthracene	0.70 ug/l	ND ug/l
Benzo(a)pyrene (Benzo[b]fluoranthene)	0.60 ug/l	ND ug/l
3,4-benzofluoranthene	0.80 ug/l	ND ug/l
Benzo(ghi)perylene	0.70 ug/l	ND ug/l
Benzo(k)fluoranthene	1.3 ug/l	ND ug/l
Bis(2-chloroethoxy)methane	0.90 ug/l	ND ug/l
Bis(2-chloroethyl)ether	1.1 ug/l	ND ug/l
Bis(2-chloroisopropyl)ether	1.4 ug/l	ND ug/l
Bis(2-ethylhexyl)phthalate	0.70 ug/l	ND ug/l
4-bromophenyl-phenylether	0.70 ug/l	ND ug/l
Butylbenzylphthalate	3.6ug/l	ND ug/l
2-Chloronaphthalene	1.0 ug/l	ND ug/l
4-chlorophenyl-phenylether	0.90 ug/l	ND ug/l
Chrysene	0.60 ug/l	ND ug/l
Dibenzo(a,h)anthracene	0.60 ug/l	ND ug/l
1,2-Dichlorobenzene	1.9 ug/l	ND ug/l
1,3-Dichlorobenzene	2.0 ug/l	ND ug/l
1,4-Dichlorobenzene	1.9 ug/l	ND ug/l
3,3'-Dichlorobenzidine	0.80 ug/l	ND ug/l
Diethylphthalate	2.5 ug/l	ND ug/l
Dimethylphthalate	3.7 ug/l	ND ug/l
Di-n-butylphthalate	1.6 ug/l	ND ug/l
2,4-Dinitrotoluene	0.80 ug/l	ND ug/l
2,6-dinitrotoluene	0.80 ug/l	ND ug/l
Di-n-octyl phthalate	1.7 ug/l	ND ug/l
1,2-diphenythydrazine as azobenzene	0.60 ug/l	ND ug/l
Fluroranthene	0.60 ug/l	ND ug/l
Fluorene	0.80 ug/l	ND ug/l
Hexachlorobenzene	0.90 ug/l	ND ug/l
Hexachlorobutadiene	1.9 ug/l	ND ug/l
Hexachlorocyclopentadiene	1.0ug/l	ND ug/l
Hexachloroethane	2.0 ug/l	ND ug/l
Indeno(1,2,3-cd)pyrene	0.60 ug/l	ND ug/l
Isophorone	0.80 ug/l	ND ug/l
Napthalene	1.4 ug/l	ND ug/l
Nitrobenzene	1.0 ug/l	ND ug/l
N-nitrosodimethylamine	0.50 ug/l	ND ug/l
N-nitroso-di-n-propylamine	0.80 ug/l	ND ug/l
N-nitrosodiphenylamine	0.60 ug/l	ND ug/l
Phenanthrene	0.70 ug/l	ND ug/l
Pyrene	0.80 ug/l	ND ug/l
1,2,4-trichlorobenzene	1.6 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Ft. Stevens Drive

Parameter	MDL	Anaylsis Result
(D)Pesticides/PCBs? J = Estimated Value		
Aldrin	0.00030 ug/l	0.003 ug/l
Alpha-BHC	0.00020 ug/l	ND ug/l
Beta-BHC	0.00020 ug/l	ND ug/l
Gamma-BHC	0.00020 ug/l	ND ug/l
Delta-BHC	0.00020 ug/l	ND ug/l
Chlorodane	0.34 ug/l	ND ug/l
4,4'-DDT	0.00040 ug/l	ND ug/l
4,4'-DDE	0.00020 ug/l	ND ug/l
4,4'-DDD	0.00030 ug/l	ND ug/l
Dieldrin	0.00020 ug/l	ND ug/l
Alpha-endosulfan	0.00030 ug/l	ND ug/l
Beta-endosulfan	0.00030 ug/l	ND ug/l
Endosulfan sulfate	0.00030 ug/l	ND ug/l
Endrin	0.00030 ug/l	ND ug/l
Endrin aldehyde	0.00020 ug/l	ND ug/l
Heptachlor	0.00020 ug/l	ND ug/l
Heptachlor epoxide	0.00020 ug/l	ND ug/l
PCB-1242	0.4 ug/l	ND ug/l
PCB-1254	0.2 ug/l	ND ug/l
PCB-1221	0.5 ug/l	ND ug/l
PCB-1232	0.5 ug/l	ND ug/l
PCB-1248	0.1 ug/l	ND ug/l
PCB-1260	0.2 ug/l	ND ug/l
PCB-1016	0.3 ug/l	ND ug/l
Toxaphene *****	0.12 ug/l	ND ug/l
PCB-008	0.2 ng/l	2.333 ng/l
PCB-37	0.2 ng/l	0.25 ug/l
PCB-64	0.2 ng/l	7.949 ng/l
PCB-135	0.2 ng/l	0.209 ng/l
PCB-149	0.2 ng/l	0.328 ng/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Ft. Stevens Drive

Parameter	MDL	Anaylsis Result
(E)Metals, Cyanide, and Phenols		
Antimony, Total	0.002 mg/l	ND mg/l
Arsenic, Total	0.002 mg/l	ND mg/l
Beryllium, Total	0.0005 mg/l	ND mg/l
Cadmium, Total	0.0005 mg/l	ND mg/l
Chromium, Total	0.002 mg/l	ND mg/l
Copper, Total	0.002 mg/l	ND mg/l
Lead, Total	0.002 mg/l	ND mg/l
Mercury, Total	0.0002 mg/l	ND mg/l
Nickel, Total	0.002 mg/l	0.009 mg/l
Selenium, Total	0.002 mg/l	ND mg/l
Silver, Total	0.001 mg/l	ND mg/l
Thallium, Total	0.002 mg/l	ND mg/l
Zinc, Total	0.002 mg/l	0.01 mg/l
Cyanide, Total	0.01 mg/l	ND mg/l
Phenols, Total	0.05 mg/l	ND mg/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Ft. Stevens Drive

Parameter	MDL	Anaylsis Result
(F)Conventional Pollutants		
Total suspended solids	10 mg/l	ND mg/l
Total dissolved solids	7 mg/l	507 mg/l
COD	10 mg/l	ND mg/l
BOD_5	2 mg/l	ND mg/l
Oil and Grease	5.0 mg/l	ND mg/l
Fecal coliform	2 MPN	390 org/100ml
Fecal streptococcus	2 MPN	230 org/100ml
Total Kjeldahl nitrogen (TKN)*	0.20 mg/l	ND mg/l
Nitrate + Nitrite ($NO_2 + NO_3$)	0.08 mg/l	3.92 mg/l
Dissolved phosphorous	0.02 mg/l	0.06 mg/l
Total ammonia plus organic nitrogen (NH4+Org. N)	N/A	ND mg/l
Total phosophorous (TP)	0.02 mg/l	0.06 mg/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Ft. Stevens Drive

Parameter	MDL	Anaylsis Result
(G)Others		
Chlorophyll (a)	0.1 mg/m^3	<6 mg/m^3
Dissolved Oxygen	N/A	3.22 mg/l
Hardness	0.50 mg/l	229 mg/l
Temperature	N/A	17.8 SU
Total Ammonia nitrogen	0.20 mg/l	ND mg/l
Organic nitrogen	N/A	ND mg/l
Total nitrogen	N/A	3.92 mg/l
Dioxin (2,3,7,8-TCDD)	1.3 pg/l	ND pg/l

Total N = NO2 + NO3 +TKN
TKN = NH3 + Organic N
Organic N = TKN-NH3

MILITARY ROAD AND BEACH DRIVE

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 09/12/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(A)Volatile Organic Compounds		
Acrolein	50 ug/l	ND ug/l
Acrylonitrile	50 ug/l	ND ug/l
Benzene	0.80 ug/l	ND ug/l
Bromoform	0.40 ug/l	ND ug/l
Carbon tetrachloride	0.90 ug/l	ND ug/l
Chlorobenzene	0.70 ug/l	ND ug/l
Chlorodibromomethane (Dibromochloromethane)	0.70 ug/l	ND ug/l
Chloroethane	1.5 ug/l	ND ug/l
2-Chloroethlyvinyl ether	0.90 ug/l	ND ug/l
Chloroform	0.60 ug/l	ND ug/l
cis-1,3-Dichloropropene	0.60 ug/l	ND ug/l
Dichlorobromomethane	0.70 ug/l	ND ug/l
1,1-Dichloroethane	1.1 ug/l	ND ug/l
1,2-Dichloroethane	0.50 ug/l	ND ug/l
1,1-Dichloroethylene (1,1-Dichloroethane)	0.80 ug/l	ND ug/l
1,2-Dichloropropane	0.80 ug/l	ND ug/l
1,3-Dichloropropylene (trans-1,3-Dichloropropene)	0.60 ug/l	ND ug/l
Ethylbenzene	0.80 ug/l	ND ug/l
Methyl bromide (bromomethane)	1.0 ug/l	ND ug/l
Methyl chloride	0.70 ug/l	ND ug/l
Methylene chloride	0.70 ug/l	ND ug/l
1,1,2,2-Tetrachloroethane	1.1 ug/l	ND ug/l
Tetrachloroethene	1.1 ug/l	ND ug/l
Toluene	0.90 ug/l	2.7 ug/l
1,2-trans-Dichloroethyle (trans-1,2-Dichloroethane)	0.80 ug/l	ND ug/l
1,1,1-Trichloroethane	0.80 ug/l	ND ug/l
1,1,2-Trichloroethane	0.70 ug/l	ND ug/l
Trichloroethylene	1.0 ug/l	ND ug/l
Vinyl Chloride	1.4 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 09/12/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(B)Acid Extractable Compounds		
2-Chlorophenol	1.7 ug/l	ND ug/l
2,4-Dichlorophenol	1.5 ug/l	ND ug/l
2,4-Dimethylphenol	1 ug/l	ND ug/l
4,6-Dinitro-o-crestol	3 ug/	ND ug/l
2,4-Dinitrophenol	3.2 ug/l	ND ug/l
2-Nitrophenol	1.6 ug/l	ND ug/l
4-Nitrophenol	0.4 ug/l	ND ug/l
p-Chloro-m-crestol	0.9 ug/l	ND ug/l
Pentachlorophenol	2.9 ug/l	ND ug/l
Phenol	0.8 ug/l	ND ug/l
2,4,6-Trichlorophenol	1.2 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 09/12/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(C)Base/Neutral Extractable Compounds		
Acenaphthene	0.80 ug/l	ND ug/l
Acenaphthylene	0.80 ug/l	ND ug/l
Anthracene	0.70 ug/l	ND ug/l
Benzidine	3.6 ug/l	ND ug/l
Benzo(a)anthracene	0.70 ug/l	ND ug/l
Benzo(a)pyrene (Benzo[b]fluoranthene)	0.60 ug/l	ND ug/l
3,4-benzofluoranthene	0.80 ug/l	ND ug/l
Benzo(ghi)perylene	0.70 ug/l	ND ug/l
Benzo(k)fluoranthene	1.3 ug/l	ND ug/l
Bis(2-chloroethoxy)methane	0.90 ug/l	ND ug/l
Bis(2-chloroethyl)ether	1.1 ug/l	ND ug/l
Bis(2-chloroisopropyl)ether	1.4 ug/l	ND ug/l
Bis(2-ethylhexyl)phthalate	0.70 ug/l	13 ug/l
4-bromophenyl-phenylether	0.70 ug/l	ND ug/l
Butylbenzylphthalate	3.6ug/l	ND ug/l
2-Chloronaphthalene	1.0 ug/l	ND ug/l
4-chlorophenyl-phenylether	0.90 ug/l	ND ug/l
Chrysene	0.60 ug/l	ND ug/l
Dibenzo(a,h)anthracene	0.60 ug/l	ND ug/l
1,2-Dichlorobenzene	1.9 ug/l	ND ug/l
1,3-Dichlorobenzene	2.0 ug/l	ND ug/l
1,4-Dichlorobenzene	1.9 ug/l	ND ug/l
3,3'-Dichlorobenzidine	0.80 ug/l	ND ug/l
Diethylphthalate	2.5 ug/l	ND ug/l
Dimethylphthalate	3.7 ug/l	ND ug/l
Di-n-butylphthalate	1.6 ug/l	ND ug/l
2,4-Dinitrotoluene	0.80 ug/l	ND ug/l
2,6-dinitrotoluene	0.80 ug/l	ND ug/l
Di-n-octyl phthalate	1.7 ug/l	ND ug/l
1,2-diphenythydrazine as azobenzene	0.60 ug/l	ND ug/l
Fluroranthene	0.60 ug/l	ND ug/l
Fluorene	0.80 ug/l	ND ug/l
Hexachlorobenzene	0.90 ug/l	ND ug/l
Hexachlorobutadiene	1.9 ug/l	ND ug/l
Hexachlorocyclopentadiene	1.0ug/l	ND ug/l
Hexachloroethane	2.0 ug/l	ND ug/l
Indeno(1,2,3-cd)pyrene	0.60 ug/l	ND ug/l
Isophorone	0.80 ug/l	ND ug/l
Napthalene	1.4 ug/l	ND ug/l
Nitrobenzene	1.0 ug/l	ND ug/l
N-nitrosodimethylamine	0.50 ug/l	ND ug/l
N-nitroso-di-n-propylamine	0.80 ug/l	ND ug/l
N-nitrosodiphenylamine	0.60 ug/l	ND ug/l
Phenanthrene	0.70 ug/l	ND ug/l
Pyrene	0.80 ug/l	ND ug/l
1,2,4-trichlorobenzene	1.6 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 09/12/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(D)Pesticides/PCBs J = Estimated Value		
Aldrin	0.00030 ug/l	ND ug/l
Alpha-BHC	0.00020 ug/l	ND ug/l
Beta-BHC	0.00020 ug/l	ND ug/l
Gamma-BHC	0.00020 ug/l	ND ug/l
Delta-BHC	0.00020 ug/l	ND ug/l
Chlorodane	0.34 ug/l	ND ug/l
4,4'-DDT	0.00040 ug/l	ND ug/l
4,4'-DDE	0.00020 ug/l	ND ug/l
4,4'-DDD	0.00030 ug/l	ND ug/l
Dieldrin	0.00020 ug/l	ND ug/l
Alpha-endosulfan	0.00030 ug/l	ND ug/l
Beta-endosulfan	0.00030 ug/l	ND ug/l
Endosulfan sulfate	0.00030 ug/l	ND ug/l
Endrin	0.00030 ug/l	ND ug/l
Endrin aldehyde	0.00020 ug/l	ND ug/l
Heptachlor	0.00020 ug/l	ND ug/l
Heptachlor epoxide	0.00020 ug/l	ND ug/l
PCB-1242	0.4 ug/l	ND ug/l
PCB-1254	0.2 ug/l	ND ug/l
PCB-1221	0.5 ug/l	ND ug/l
PCB-1232	0.5 ug/l	ND ug/l
PCB-1248	0.1 ug/l	ND ug/l
PCB-1260	0.2 ug/l	ND ug/l
PCB-1016	0.3 ug/l	ND ug/l
Toxaphene *****	0.12 ug/l	ND ug/l
PCB-44	0.200 ng/l	0.214 ng/l
PCB-66	0.200 ng/l	0.265 ng/l
PCB-153	0.200 ng/l	0.366 ng/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 09/12/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(E)Metals, Cyanide, and Phenols		
Antimony, Total	0.002 mg/l	0.009 mg/l
Arsenic, Total	0.002 mg/l	ND mg/l
Beryllium, Total	0.0005 mg/l	ND mg/l
Cadmium, Total	0.0005 mg/l	ND mg/l
Chromium, Total	0.002 mg/l	0.012 mg/l
Copper, Total	0.002 mg/l	0.093 mg/l
Lead, Total	0.002 mg/l	0.031 mg/l
Mercury, Total	0.0002 mg/l	ND mg/l
Nickel, Total	0.002 mg/l	0.016 mg/l
Selenium, Total	0.002 mg/l	ND mg/l
Silver, Total	0.001 mg/l	0.002 mg/l
Thallium, Total	0.002 mg/l	ND mg/l
Zinc, Total	0.002 mg/l	0.229 mg/l
Cyanide, Total	0.01 mg/l	ND mg/l
Phenols, Total	0.05 mg/l	ND mg/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 09/12/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(F)Conventional Pollutants		0.392
Total suspended solids	10 mg/l	107 mg/l
Total dissolved solids	7 mg/l	112 mg/l
COD	10 mg/l	124 mg/l
BOD_5	2 mg/l	15 mg/l
Oil and Grease	5.0 mg/l	6.7 mg/l
Fecal coliform	2 MPN	2300 org/100ml
Fecal streptococcus	2 MPN	>=24,000 org/100ml
Total Kjeldahl nitrogen (TKN)*	0.20 mg/l	1.3 mg/l
Nitrate + Nitrite (NO_2 + NO_3)	0.08 mg/l	1.33 mg/l
Dissolved phosphorous	0.02 mg/l	0.14 mg/l
Total ammonia plus organic nitrogen (NH4+Org. N)	N/A	1.3 mg/l
Total phosophorous (TP)	0.02 mg/l	0.21 mg/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 09/12/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(G)Others		
Chlorophyll (a)	0.1 mg/m^3	11 mg/m^3
Dissolved Oxygen	N/A	1.76 mg/l
Hardness	0.50 mg/l	58.6 mg/l
Temperature	N/A	18.8 SU
Total Ammonia nitrogen	0.20 mg/l	0.55 mg/l
Organic nitrogen	N/A	0.75 mg/l
Total nitrogen	N/A	2.63 mg/l
Dioxin (2,3,7,8-TCDD)	1.3 pg/l	ND pg/l

Total N = NO2 + NO3 +TKN
TKN = NH3 + Organic N
Organic N = TKN-NH3

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(A)Volatile Organic Compounds		
Acrolein	50 ug/l	ND ug/l
Acrylonitrile	50 ug/l	ND ug/l
Benzene	0.80 ug/l	ND ug/l
Bromoform	0.40 ug/l	ND ug/l
Carbon tetrachloride	0.90 ug/l	ND ug/l
Chlorobenzene	0.70 ug/l	ND ug/l
Chlorodibromomethane (Dibromochloromethane)	0.70 ug/l	ND ug/l
Chloroethane	1.5 ug/l	ND ug/l
2-Chloroethlyvinyl ether	0.90 ug/l	ND ug/l
Chloroform	0.60 ug/l	ND ug/l
cis-1,3-Dichloropropene	0.60 ug/l	ND ug/l
Dichlorobromomethane	0.70 ug/l	ND ug/l
1,1-Dichloroethane	1.1 ug/l	ND ug/l
1,2-Dichloroethane	0.50 ug/l	ND ug/l
1,1-Dichloroethylene (1,1-Dichloroethane)	0.80 ug/l	ND ug/l
1,2-Dichloropropane	0.80 ug/l	ND ug/l
1,3-Dichloropropylene (trans-1,3-Dichloropropene)	0.60 ug/l	ND ug/l
Ethylbenzene	0.80 ug/l	ND ug/l
Methyl bromide (bromomethane)	1.0 ug/l	ND ug/l
Methyl chloride	0.70 ug/l	ND ug/l
Methylene chloride	0.70 ug/l	ND ug/l
1,1,2,2-Tetrachloroethane	1.1 ug/l	ND ug/l
Tetrachloroethene	1.1 ug/l	ND ug/l
Toluene	0.90 ug/l	ND ug/l
1,2-trans-Dichloroethyle: (trans-1,2-Dichloroethane)	0.80 ug/l	ND ug/l
1,1,1-Trichloroethane	0.80 ug/l	ND ug/l
1,1,2-Trichloroethane	0.70 ug/l	ND ug/l
Trichloroethylene	1.0 ug/l	ND ug/l
Vinyl Chloride	1.4 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(B)Acid Extractable Compounds		
2-Chlorophenol	1.7 ug/l	ND ug/l
2,4-Dichlorophenol	1.5 ug/l	ND ug/l
2,4-Dimethylphenol	1 ug/l	ND ug/l
4,6-Dinitro-o-crestol	3 ug/	ND ug/l
2,4-Dinitrophenol	3.2 ug/l	ND ug/l
2-Nitrophenol	1.6 ug/l	ND ug/l
4-Nitrophenol	0.4 ug/l	ND ug/l
p-Chloro-m-crestol	0.9 ug/l	ND ug/l
Pentachlorophenol	2.9 ug/l	ND ug/l
Phenol	0.8 ug/l	ND ug/l
2,4,6-Trichlorophenol	1.2 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(C)Base/Neutral Extractable Compounds		
Acenaphthene	0.80 ug/l	ND ug/l
Acenaphthylene	0.80 ug/l	ND ug/l
Anthracene	0.70 ug/l	ND ug/l
Benzidine	3.6 ug/l	ND ug/l
Benzo(a)anthracene	0.70 ug/l	ND ug/l
Benzo(a)pyrene (Benzo[b]fluoranthene)	0.60 ug/l	ND ug/l
3,4-benzofluoranthene	0.80 ug/l	ND ug/l
Benzo(ghi)perylene	0.70 ug/l	ND ug/l
Benzo(k)fluoranthene	1.3 ug/l	ND ug/l
Bis(2-chloroethoxy)methane	0.90 ug/l	ND ug/l
Bis(2-chloroethyl)ether	1.1 ug/l	ND ug/l
Bis(2-chloroisopropyl)ether	1.4 ug/l	ND ug/l
Bis(2-ethylhexyl)phthalate	0.70 ug/l	ND ug/l
4-bromophenyl-phenylether	0.70 ug/l	ND ug/l
Butylbenzylphthalate	3.6ug/l	ND ug/l
2-Chloronaphthalene	1.0 ug/l	ND ug/l
4-chlorophenyl-phenylether	0.90 ug/l	ND ug/l
Chrysene	0.60 ug/l	ND ug/l
Dibenzo(a,h)anthracene	0.60 ug/l	ND ug/l
1,2-Dichlorobenzene	1.9 ug/l	ND ug/l
1,3-Dichlorobenzene	2.0 ug/l	ND ug/l
1,4-Dichlorobenzene	1.9 ug/l	ND ug/l
3,3'-Dichlorobenzidine	0.80 ug/l	ND ug/l
Diethylphthalate	2.5 ug/l	ND ug/l
Dimethylphthalate	3.7 ug/l	ND ug/l
Di-n-butylphthalate	1.6 ug/l	ND ug/l
2,4-Dinitrotoluene	0.80 ug/l	ND ug/l
2,6-dinitrotoluene	0.80 ug/l	ND ug/l
Di-n-octyl phthalate	1.7 ug/l	ND ug/l
1,2-diphenythydrazine as azobenzene	0.60 ug/l	ND ug/l
Fluroranthene	0.60 ug/l	ND ug/l
Fluorene	0.80 ug/l	ND ug/l
Hexachlorobenzene	0.90 ug/l	ND ug/l
Hexachlorobutadiene	1.9 ug/l	ND ug/l
Hexachlorocyclopentadiene	1.0ug/l	ND ug/l
Hexachloroethane	2.0 ug/l	ND ug/l
Indeno(1,2,3-cd)pyrene	0.60 ug/l	ND ug/l
Isophorone	0.80 ug/l	ND ug/l
Napthalene	1.4 ug/l	ND ug/l
Nitrobenzene	1.0 ug/l	ND ug/l
N-nitrosodimethylamine	0.50 ug/l	ND ug/l
N-nitroso-di-n-propylamine	0.80 ug/l	ND ug/l
N-nitrosodiphenylamine	0.60 ug/l	ND ug/l
Phenanthrene	0.70 ug/l	ND ug/l
Pyrene	0.80 ug/l	ND ug/l
1,2,4-trichlorobenzene	1.6 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(D)Pesticides/PCBs J = Estimated Value	PQL	
Aldrin	0.00030 ug/l	ND ug/l
Alpha-BHC	0.00020 ug/l	ND ug/l
Beta-BHC	0.00020 ug/l	ND ug/l
Gamma-BHC	0.00020 ug/l	ND ug/l
Delta-BHC	0.00020 ug/l	ND ug/l
Chlorodane	0.34 ug/l	ND ug/l
4,4'-DDT	0.00040 ug/l	ND ug/l
4,4'-DDE	0.00020 ug/l	ND ug/l
4,4'-DDD	0.00030 ug/l	ND ug/l
Dieldrin	0.00020 ug/l	ND ug/l
Alpha-endosulfan	0.00030 ug/l	ND ug/l
Beta-endosulfan	0.00030 ug/l	ND ug/l
Endosulfan sulfate	0.00030 ug/l	ND ug/l
Endrin	0.00030 ug/l	ND ug/l
Endrin aldehyde	0.00020 ug/l	ND ug/l
Heptachlor	0.00020 ug/l	ND ug/l
Heptachlor epoxide	0.00020 ug/l	ND ug/l
PCB-1242	0.4 ug/l	ND ug/l
PCB-1254	0.2 ug/l	ND ug/l
PCB-1221	0.5 ug/l	ND ug/l
PCB-1232	0.5 ug/l	ND ug/l
PCB-1248	0.1 ug/l	ND ug/l
PCB-1260	0.2 ug/l	ND ug/l
PCB-1016	0.3 ug/l	ND ug/l
Toxaphene *****	0.12 ug/l	ND ug/l
PCB-Congeners	0.2 ng/l	ND ng/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(E)Metals, Cyanide, and Phenols		
Antimony, Total	0.002 mg/l	ND mg/l
Arsenic, Total	0.002 mg/l	ND mg/l
Beryllium, Total	0.0005 mg/l	ND mg/l
Cadmium, Total	0.0005 mg/l	ND mg/l
Chromium, Total	0.002 mg/l	ND mg/l
Copper, Total	0.002 mg/l	ND mg/l
Lead, Total	0.002 mg/l	ND mg/l
Mercury, Total	0.0002 mg/l	ND mg/l
Nickel, Total	0.002 mg/l	ND mg/l
Selenium, Total	0.002 mg/l	ND mg/l
Silver, Total	0.001 mg/l	ND mg/l
Thallium, Total	0.002 mg/l	ND mg/l
Zinc, Total	0.002 mg/l	0.005 mg/l
Cyanide, Total	0.01 mg/l	ND mg/l
Phenols, Total	0.05 mg/l	ND mg/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(F)Conventional Pollutants		
Total suspended solids	10 mg/l	ND mg/l
Total dissolved solids	7 mg/l	276 mg/l
COD	10 mg/l	ND mg/l
BOD_5	2 mg/l	ND mg/l
Oil and Grease	5.0 mg/l	ND mg/l
Fecal coliform	2 MPN	<30 org/100ml
Fecal streptococcus	2 MPN	150 org/100ml
Total Kjeldahl nitrogen (TKN)*	0.20 mg/l	ND mg/l
Nitrate + Nitrite ($NO_2 + NO_3$)	0.08 mg/l	2.47 mg/l
Dissolved phosphorous	0.02 mg/l	0.05 mg/l
Total ammonia plus organic nitrogen (NH4+Org. N)	N/A	ND mg/l
Total phosophorous (TP)	0.02 mg/l	0.06 mg/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(G)Others		
Chlorophyll (a)	0.1 mg/m^3	<6 mg/m^3
Dissolved Oxygen	N/A	3.52 mg/l
Hardness	0.50 mg/l	105 mg/l
Temperature	N/A	16.1 SU
Total Ammonia nitrogen	0.20 mg/l	ND mg/l
Organic nitrogen	N/A	ND mg/l
Total nitrogen	N/A	2.47 mg/l
Dioxin (2,3,7,8-TCDD)	1.3 pg/l	ND pg/l

Total N = NO2 + NO3 +TKN
TKN = NH3 + Organic N
Organic N = TKN-NH3

Dry Sampling Event #1
Anaylsis Results - Duplicate

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(A)Volatile Organic Compounds		
Acrolein	50 ug/l	ND ug/l
Acrylonitrile	50 ug/l	ND ug/l
Benzene	0.80 ug/l	ND ug/l
Bromoform	0.40 ug/l	ND ug/l
Carbon tetrachloride	0.90 ug/l	ND ug/l
Chlorobenzene	0.70 ug/l	ND ug/l
Chlorodibromomethane (Dibromochloromethane)	0.70 ug/l	ND ug/l
Chloroethane	1.5 ug/l	ND ug/l
2-Chloroethlyvinyl ether	0.90 ug/l	ND ug/l
Chloroform	0.60 ug/l	ND ug/l
cis-1,3-Dichloropropene	0.60 ug/l	ND ug/l
Dichlorobromomethane	0.70 ug/l	ND ug/l
1,1-Dichloroethane	1.1 ug/l	ND ug/l
1,2-Dichloroethane	0.50 ug/l	ND ug/l
1,1-Dichloroethylene (1,1-Dichloroethane)	0.80 ug/l	ND ug/l
1,2-Dichloropropane	0.80 ug/l	ND ug/l
1,3-Dichloropropylene (trans-1,3-Dichloropropene)	0.60 ug/l	ND ug/l
Ethylbenzene	0.80 ug/l	ND ug/l
Methyl bromide (bromomethane)	1.0 ug/l	ND ug/l
Methyl chloride	0.70 ug/l	ND ug/l
Methylene chloride	0.70 ug/l	ND ug/l
1,1,2,2-Tetrachloroethane	1.1 ug/l	ND ug/l
Tetrachloroethene	1.1 ug/l	ND ug/l
Toluene	0.90 ug/l	ND ug/l
1,2-trans-Dichloroethylei (trans-1,2-Dichloroethane)	0.80 ug/l	ND ug/l
1,1,1-Trichloroethane	0.80 ug/l	ND ug/l
1,1,2-Trichloroethane	0.70 ug/l	ND ug/l
Trichloroethylene	1.0 ug/l	ND ug/l
Vinyl Chloride	1.4 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Duplicate

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(E)Acid Extractable Compounds		
2-Chlorophenol	1.7 ug/l	ND ug/l
2,4-Dichlorophenol	1.5 ug/l	ND ug/l
2,4-Dimethylphenol	1 ug/l	ND ug/l
4,6-Dinitro-o-crestol	3 ug/	ND ug/l
2,4-Dinitrophenol	3.2 ug/l	ND ug/l
2-Nitrophenol	1.6 ug/l	ND ug/l
4-Nitrophenol	0.4 ug/l	ND ug/l
p-Chloro-m-crestol	0.9 ug/l	ND ug/l
Pentachlorophenol	2.9 ug/l	ND ug/l
Phenol	0.8 ug/l	ND ug/l
2,4,6-Trichlorophenol	1.2 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Duplicate

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(C)Base/Neutral Extractable Compounds		
Acenaphthene	0.80 ug/l	ND ug/l
Acenaphthylene	0.80 ug/l	ND ug/l
Anthracene	0.70 ug/l	ND ug/l
Benzidine	3.6 ug/l	ND ug/l
Benzo(a)anthracene	0.70 ug/l	ND ug/l
Benzo(a)pyrene (Benzo[b]fluoranthene)	0.60 ug/l	ND ug/l
3,4-benzofluoranthene	0.80 ug/l	ND ug/l
Benzo(ghi)perylene	0.70 ug/l	ND ug/l
Benzo(k)fluoranthene	1.3 ug/l	ND ug/l
Bis(2-chloroethoxy)methane	0.90 ug/l	ND ug/l
Bis(2-chloroethyl)ether	1.1 ug/l	ND ug/l
Bis(2-chloroisopropyl)ether	1.4 ug/l	ND ug/l
Bis(2-ethylhexyl)phthalate	0.70 ug/l	ND ug/l
4-bromophenyl-phenylether	0.70 ug/l	ND ug/l
Butylbenzylphthalate	3.6ug/l	ND ug/l
2-Chloronaphthalene	1.0 ug/l	ND ug/l
4-chlorophenyl-phenylether	0.90 ug/l	ND ug/l
Chrysene	0.60 ug/l	ND ug/l
Dibenzo(a,h)anthracene	0.60 ug/l	ND ug/l
1,2-Dichlorobenzene	1.9 ug/l	ND ug/l
1,3-Dichlorobenzene	2.0 ug/l	ND ug/l
1,4-Dichlorobenzene	1.9 ug/l	ND ug/l
3,3'-Dichlorobenzidine	0.80 ug/l	ND ug/l
Diethylphthalate	2.5 ug/l	ND ug/l
Dimethylphthalate	3.7 ug/l	ND ug/l
Di-n-butylphthalate	1.6 ug/l	ND ug/l
2,4-Dinitrotoluene	0.80 ug/l	ND ug/l
2,6-dinitrotoluene	0.80 ug/l	ND ug/l
Di-n-octyl phthalate	1.7 ug/l	ND ug/l
1,2-diphenythydrazine as azobenzene	0.60 ug/l	ND ug/l
Fluroranthene	0.60 ug/l	ND ug/l
Fluorene	0.80 ug/l	ND ug/l
Hexachlorobenzene	0.90 ug/l	ND ug/l
Hexachlorobutadiene	1.9 ug/l	ND ug/l
Hexachlorocyclopentadiene	1.0ug/l	ND ug/l
Hexachloroethane	2.0 ug/l	ND ug/l
Indeno(1,2,3-cd)pyrene	0.60 ug/l	ND ug/l
Isophorone	0.80 ug/l	ND ug/l
Napthalene	1.4 ug/l	ND ug/l
Nitrobenzene	1.0 ug/l	ND ug/l
N-nitrosodimethylamine	0.50 ug/l	ND ug/l
N-nitroso-di-n-propylamine	0.80 ug/l	ND ug/l
N-nitrosodiphenylamine	0.60 ug/l	ND ug/l
Phenanthrene	0.70 ug/l	ND ug/l
Pyrene	0.80 ug/l	ND ug/l
1,2,4-trichlorobenzene	1.6 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Duplicate

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(D)Pesticides/PCBs J = Estimated Value		
Aldrin	0.00030 ug/l	ND ug/l
Alpha-BHC	0.00020 ug/l	ND ug/l
Beta-BHC	0.00020 ug/l	ND ug/l
Gamma-BHC	0.00020 ug/l	ND ug/l
Delta-BHC	0.00020 ug/l	ND ug/l
Chlorodane	0.34 ug/l	ND ug/l
4,4'-DDT	0.00040 ug/l	ND ug/l
4,4'-DDE	0.00020 ug/l	ND ug/l
4,4'-DDD	0.00030 ug/l	ND ug/l
Dieldrin	0.00020 ug/l	ND ug/l
Alpha-endosulfan	0.00030 ug/l	ND ug/l
Beta-endosulfan	0.00030 ug/l	ND ug/l
Endosulfan sulfate	0.00030 ug/l	ND ug/l
Endrin	0.00030 ug/l	ND ug/l
Endrin aldehyde	0.00020 ug/l	ND ug/l
Heptachlor	0.00020 ug/l	ND ug/l
Heptachlor epoxide	0.00020 ug/l	ND ug/l
PCB-1242	0.4 ug/l	ND ug/l
PCB-1254	0.2 ug/l	ND ug/l
PCB-1221	0.5 ug/l	ND ug/l
PCB-1232	0.5 ug/l	ND ug/l
PCB-1248	0.1 ug/l	ND ug/l
PCB-1260	0.2 ug/l	ND ug/l
PCB-1016	0.3 ug/l	ND ug/l
Toxaphene *****	0.12 ug/l	ND ug/l
PCB Congeners	0.2 ng/l	ND ng/l

Dry Sampling Event #1
Anaylsis Results - Duplicate

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(E)Metals, Cyanide, and Phenols		
Antimony, Total	0.002 mg/l	ND mg/l
Arsenic, Total	0.002 mg/l	ND mg/l
Beryllium, Total	0.0005 mg/l	ND mg/l
Cadmium, Total	0.0005 mg/l	ND mg/l
Chromium, Total	0.002 mg/l	ND mg/l
Copper, Total	0.002 mg/l	ND mg/l
Lead, Total	0.002 mg/l	ND mg/l
Mercury, Total	0.0002 mg/l	ND mg/l
Nickel, Total	0.002 mg/l	ND mg/l
Selenium, Total	0.002 mg/l	ND mg/l
Silver, Total	0.001 mg/l	ND mg/l
Thallium, Total	0.002 mg/l	ND mg/l
Zinc, Total	0.002 mg/l	0.005 mg/l
Cyanide, Total	0.01 mg/l	ND mg/l
Phenols, Total	0.05 mg/l	ND mg/l

Dry Sampling Event #1
Anaylsis Results - Duplicate

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(F) Conventional Pollutants		
Total suspended solids	10 mg/l	ND mg/l
Total dissolved solids	7 mg/l	265 mg/l
COD	10 mg/l	ND mg/l
BOD_5	2 mg/l	ND mg/l
Oil and Grease	5.0 mg/l	ND mg/l
Fecal coliform	2 MPN	<30 org/100ml
Fecal streptococcus	2 MPN	90 org/100ml
Total Kjeldahl nitrogen (TKN)*	0.20 mg/l	ND mg/l
Nitrate + Nitrite ($NO_2 + NO_3$)	0.08 mg/l	2.42 mg/l
Dissolved phosphorous	0.02 mg/l	0.05 mg/l
Total ammonia plus organic nitrogen (NH4+Org. N)	N/A	ND mg/l
Total phosophorous (TP)	0.02 mg/l	0.06 mg/l

Dry Sampling Event #1
Anaylsis Results - Duplicate

Date of Event: 11/04/03
Location of Sample: Military and Beach

Parameter	MDL	Anaylsis Result
(G)Others		
Chlorophyll (a)	0.1 mg/m^3	<6 mg/m^3
Dissolved Oxygen	N/A	3.52 mg/l
Hardness	0.50 mg/l	104 mg/l
Temperature	N/A	16.1 SU
Total Ammonia nitrogen	0.20 mg/l	ND mg/l
Organic nitrogen	N/A	ND mg/l
Total nitrogen	N/A	2.42 mg/l
Dioxin (2,3,7,8-TCDD)	1.3 pg/l	ND pg/l

Total N = NO2 + NO3 +TKN
TKN = NH3 + Organic N
Organic N = TKN-NH3

SOAPSTONE CREEK – CONNECTICUT AVENUE AND ABLEMARLE STREET

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Soapstone Creek

Parameter	MDL	Anaylsis Result
(A)Volatile Organic Compounds		
Acrolein	50 ug/l	ND ug/l
Acrylonitrile	50 ug/l	ND ug/l
Benzene	0.80 ug/l	ND ug/l
Bromoform	0.40 ug/l	ND ug/l
Carbon tetrachloride	0.90 ug/l	ND ug/l
Chlorobenzene	0.70 ug/l	ND ug/l
Chlorodibromomethane (Dibromochloromethane)	0.70 ug/l	ND ug/l
Chloroethane	1.5 ug/l	ND ug/l
2-Chloroethlyvinyl ether	0.90 ug/l	ND ug/l
Chloroform	0.60 ug/l	ND ug/l
cis-1,3-Dichloropropene	0.60 ug/l	ND ug/l
Dichlorobromomethane	0.70 ug/l	ND ug/l
1,1-Dichloroethane	1.1 ug/l	ND ug/l
1,2-Dichloroethane	0.50 ug/l	ND ug/l
1,1-Dichloroethylene (1,1-Dichloroethane)	0.80 ug/l	ND ug/l
1,2-Dichloropropane	0.80 ug/l	ND ug/l
1,3-Dichloropropylene (trans-1,3-Dichloropropene)	0.60 ug/l	ND ug/l
Ethylbenzene	0.80 ug/l	ND ug/l
Methyl bromide (bromomethane)	1.0 ug/l	ND ug/l
Methyl chloride	0.70 ug/l	ND ug/l
Methylene chloride	0.70 ug/l	ND ug/l
1,1,2,2-Tetrachloroethane	1.1 ug/l	ND ug/l
Tetrachloroethene	1.1 ug/l	ND ug/l
Toluene	0.90 ug/l	ND ug/l
1,2-trans-Dichloroethyle (trans-1,2-Dichloroethane)	0.80 ug/l	ND ug/l
1,1,1-Trichloroethane	0.80 ug/l	ND ug/l
1,1,2-Trichloroethane	0.70 ug/l	ND ug/l
Trichloroethylene	1.0 ug/l	ND ug/l
Vinyl Chloride	1.4 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Soapstone Creek

Parameter	MDL	Anaylsis Result
(B)Acid Extractable Compounds		
2-Chlorophenol	1.7 ug/l	ND ug/l
2,4-Dichlorophenol	1.5 ug/l	ND ug/l
2,4-Dimethylphenol	1 ug/l	ND ug/l
4,6-Dinitro-o-crestol	3 ug/	ND ug/l
2,4-Dinitrophenol	3.2 ug/l	ND ug/l
2-Nitrophenol	1.6 ug/l	ND ug/l
4-Nitrophenol	0.4 ug/l	ND ug/l
p-Chloro-m-crestol	0.9 ug/l	ND ug/l
Pentachlorophenol	2.9 ug/l	ND ug/l
Phenol	0.8 ug/l	ND ug/l
2,4,6-Trichlorophenol	1.2 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Soapstone Creek

Parameter	MDL	Anaylsis Result
(C)Base/Neutral Extractable Compounds		
Acenaphthene	0.80 ug/l	ND ug/l
Acenaphthylene	0.80 ug/l	ND ug/l
Anthracene	0.70 ug/l	ND ug/l
Benzidine	3.6 ug/l	ND ug/l
Benzo(a)anthracene	0.70 ug/l	ND ug/l
Benzo(a)pyrene (Benzo[b]fluoranthene)	0.60 ug/l	ND ug/l
3,4-benzofluoranthene	0.80 ug/l	ND ug/l
Benzo(ghi)perylene	0.70 ug/l	ND ug/l
Benzo(k)fluoranthene	1.3 ug/l	ND ug/l
Bis(2-chloroethoxy)methane	0.90 ug/l	ND ug/l
Bis(2-chloroethyl)ether	1.1 ug/l	ND ug/l
Bis(2-chloroisopropyl)ether	1.4 ug/l	ND ug/l
Bis(2-ethylhexyl)phthalate	0.70 ug/l	1.0 ug/l
4-bromophenyl-phenylether	0.70 ug/l	ND ug/l
Butylbenzylphthalate	3.6ug/l	ND ug/l
2-Chloronaphthalene	1.0 ug/l	ND ug/l
4-chlorophenyl-phenylether	0.90 ug/l	ND ug/l
Chrysene	0.60 ug/l	ND ug/l
Dibenzo(a,h)anthracene	0.60 ug/l	ND ug/l
1,2-Dichlorobenzene	1.9 ug/l	ND ug/l
1,3-Dichlorobenzene	2.0 ug/l	ND ug/l
1,4-Dichlorobenzene	1.9 ug/l	ND ug/l
3,3'-Dichlorobenzidine	0.80 ug/l	ND ug/l
Diethylphthalate	2.5 ug/l	ND ug/l
Dimethylphthalate	3.7 ug/l	ND ug/l
Di-n-butylphthalate	1.6 ug/l	ND ug/l
2,4-Dinitrotoluene	0.80 ug/l	ND ug/l
2,6-dinitrotoluene	0.80 ug/l	ND ug/l
Di-n-octyl phthalate	1.7 ug/l	ND ug/l
1,2-diphenythydrazine as azobenzene	0.60 ug/l	ND ug/l
Fluroranthene	0.60 ug/l	ND ug/l
Fluorene	0.80 ug/l	ND ug/l
Hexachlorobenzene	0.90 ug/l	ND ug/l
Hexachlorobutadiene	1.9 ug/l	ND ug/l
Hexachlorocyclopentadiene	1.0ug/l	ND ug/l
Hexachloroethane	2.0 ug/l	ND ug/l
Indeno(1,2,3-cd)pyrene	0.60 ug/l	ND ug/l
Isophorone	0.80 ug/l	ND ug/l
Napthalene	1.4 ug/l	ND ug/l
Nitrobenzene	1.0 ug/l	ND ug/l
N-nitrosodimethylamine	0.50 ug/l	ND ug/l
N-nitroso-di-n-propylamine	0.80 ug/l	ND ug/l
N-nitrosodiphenylamine	0.60 ug/l	ND ug/l
Phenanthrene	0.70 ug/l	ND ug/l
Pyrene	0.80 ug/l	ND ug/l
1,2,4-trichlorobenzene	1.6 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Soapstone Creek

Parameter	MDL	Anaylsis Result
(D)Pesticides/PCBs - J = Estimated Value		
Aldrin	0.00030 ug/l	ND ug/l
Alpha-BHC	0.00020 ug/l	ND ug/l
Beta-BHC	0.00020 ug/l	ND ug/l
Gamma-BHC	0.00020 ug/l	ND ug/l
Delta-BHC	0.00020 ug/l	ND ug/l
Chlorodane	0.34 ug/l	ND ug/l
4,4'-DDT	0.00040 ug/l	ND ug/l
4,4'-DDE	0.00020 ug/l	ND ug/l
4,4'-DDD	0.00030 ug/l	ND ug/l
Dieldrin	0.00020 ug/l	0.008 ug/l
Alpha-endosulfan	0.00030 ug/l	ND ug/l
Beta-endosulfan	0.00030 ug/l	ND ug/l
Endosulfan sulfate	0.00030 ug/l	ND ug/l
Endrin	0.00030 ug/l	ND ug/l
Endrin aldehyde	0.00020 ug/l	ND ug/l
Heptachlor	0.00020 ug/l	0.004 ug/l
Heptachlor epoxide	0.00020 ug/l	ND ug/l
PCB-1242	0.4 ug/l	ND ug/l
PCB-1254	0.2 ug/l	ND ug/l
PCB-1221	0.5 ug/l	ND ug/l
PCB-1232	0.5 ug/l	ND ug/l
PCB-1248	0.1 ug/l	ND ug/l
PCB-1260	0.2 ug/l	ND ug/l
PCB-1016	0.3 ug/l	ND ug/l
Toxaphene *****	0.12 ug/l	ND ug/l
PCB-33	0.2 ng/l	4.563 ng/l
PCB-44	0.2 ng/l	0.858 ng/l
PCB-47	0.2 ng/l	0.214 ng/l
PCB-49	0.2 ng/l	2.579 ng/l
PCB-60	0.2 ng/l	0.521 ng/l
PCB-66	0.2 ng/l	0.259 ng/l
PCB-81	0.2 ng/l	1.046 ng/l
PCB-84	0.2 ng/l	0.686 ng/l
PCB-97	0.2 ng/l	0.211 ng/l
PCB-99	0.2 ng/l	2.02 ng/l
PCB-105	0.2 ng/l	0.462 ng/l
PCB-151	0.2 ng/l	0.877 ng/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Soapstone Creek

Parameter	MDL	Anaylsis Result
(E)Metals, Cyanide, and Phenols		
Antimony, Total	0.002 mg/l	ND mg/l
Arsenic, Total	0.002 mg/l	ND mg/l
Beryllium, Total	0.0005 mg/l	ND mg/l
Cadmium, Total	0.0005 mg/l	ND mg/l
Chromium, Total	0.002 mg/l	0.002 mg/l
Copper, Total	0.002 mg/l	0.007 mg/l
Lead, Total	0.002 mg/l	ND mg/l
Mercury, Total	0.0002 mg/l	ND mg/l
Nickel, Total	0.002 mg/l	0.008 mg/l
Selenium, Total	0.002 mg/l	ND mg/l
Silver, Total	0.001 mg/l	ND mg/l
Thallium, Total	0.002 mg/l	ND mg/l
Zinc, Total	0.002 mg/l	0.018 mg/l
Cyanide, Total	0.01 mg/l	ND mg/l
Phenols, Total	0.05 mg/l	ND mg/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Soapstone Creek

Parameter	MDL	Anaylsis Result
(F)Conventional Pollutants		
Total suspended solids	10 mg/l	ND mg/l
Total dissolved solids	7 mg/l	329 mg/l
COD	10 mg/l	17 mg/l
BOD_5	2 mg/l	2 mg/l
Oil and Grease	5.0 mg/l	ND mg/l
Fecal coliform	2 MPN	4300 org/100ml
Fecal streptococcus	2 MPN	24000 org/100ml
Total Kjeldahl nitrogen (TKN)*	0.20 mg/l	0.35 mg/l
Nitrate + Nitrite (NO_2 + NO_3)	0.08 mg/l	2.64 mg/l
Dissolved phosphorous	0.02 mg/l	0.1 mg/l
Total ammonia plus organic nitrogen (NH4+Org. N)	N/A	0.35 mg/l
Total phosophorous (TP)	0.02 mg/l	0.11 mg/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Soapstone Creek

Parameter	MDL	Anaylsis Result
(G)Others		
Chlorophyll (a)	0.1 mg/m^3	<6 mg/m^3
Dissolved Oxygen	N/A	12.2 mg/l
Hardness	0.50 mg/l	239 mg/l
Temperature	N/A	19.3 SU
Total Ammonia nitrogen	0.20 mg/l	0.24 mg/l
Organic nitrogen	N/A	0.11 mg/l
Total nitrogen	N/A	2.99 mg/l
Dioxin (2,3,7,8-TCDD)	1.3 pg/l	ND pg/l

Total N = NO2 + NO3 +TKN
TKN = NH3 + Organic N
Organic N = TKN-NH3

MELVIN HAZEN VALLEY BRANCH – MELVIN HAZEN PARK AND QUEBEC STREET

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Melvin Hazen Park

Parameter	MDL	Anaylsis Result
(A)Volatile Organic Compounds		
Acrolein	50 ug/l	ND ug/l
Acrylonitrile	50 ug/l	ND ug/l
Benzene	0.80 ug/l	ND ug/l
Bromoform	0.40 ug/l	ND ug/l
Carbon tetrachloride	0.90 ug/l	ND ug/l
Chlorobenzene	0.70 ug/l	ND ug/l
Chlorodibromomethane (Dibromochloromethane)	0.70 ug/l	ND ug/l
Chloroethane	1.5 ug/l	ND ug/l
2-Chloroethlyvinyl ether	0.90 ug/l	ND ug/l
Chloroform	0.60 ug/l	0.9 ug/l
cis-1,3-Dichloropropene	0.60 ug/l	ND ug/l
Dichlorobromomethane	0.70 ug/l	ND ug/l
1,1-Dichloroethane	1.1 ug/l	ND ug/l
1,2-Dichloroethane	0.50 ug/l	ND ug/l
1,1-Dichloroethylene (1,1-Dichloroethane)	0.80 ug/l	ND ug/l
1,2-Dichloropropane	0.80 ug/l	ND ug/l
1,3-Dichloropropylene (trans-1,3-Dichloropropene)	0.60 ug/l	ND ug/l
Ethylbenzene	0.80 ug/l	ND ug/l
Methyl bromide (bromomethane)	1.0 ug/l	ND ug/l
Methyl chloride	0.70 ug/l	ND ug/l
Methylene chloride	0.70 ug/l	ND ug/l
1,1,2,2-Tetrachloroethane	1.1 ug/l	ND ug/l
Tetrachloroethene	1.1 ug/l	ND ug/l
Toluene	0.90 ug/l	ND ug/l
1,2-trans-Dichloroethyle (trans-1,2-Dichloroethane)	0.80 ug/l	ND ug/l
1,1,1-Trichloroethane	0.80 ug/l	ND ug/l
1,1,2-Trichloroethane	0.70 ug/l	ND ug/l
Trichloroethylene	1.0 ug/l	ND ug/l
Vinyl Chloride	1.4 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Melvin Hazen Park

Parameter	MDL	Anaylsis Result
(B)Acid Extractable Compounds		
2-Chlorophenol	1.7 ug/l	ND ug/l
2,4-Dichlorophenol	1.5 ug/l	ND ug/l
2,4-Dimethylphenol	1 ug/l	ND ug/l
4,6-Dinitro-o-crestol	3 ug/	ND ug/l
2,4-Dinitrophenol	3.2 ug/l	ND ug/l
2-Nitrophenol	1.6 ug/l	ND ug/l
4-Nitrophenol	0.4 ug/l	ND ug/l
p-Chloro-m-crestol	0.9 ug/l	ND ug/l
Pentachlorophenol	2.9 ug/l	ND ug/l
Phenol	0.8 ug/l	ND ug/l
2,4,6-Trichlorophenol	1.2 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Melvin Hazen Park

Parameter	MDL	Anaylsis Result
(C)Base/Neutral Extractable Compounds		
Acenaphthene	0.80 ug/l	ND ug/l
Acenaphthylene	0.80 ug/l	ND ug/l
Anthracene	0.70 ug/l	ND ug/l
Benzidine	3.6 ug/l	ND ug/l
Benzo(a)anthracene	0.70 ug/l	ND ug/l
Benzo(a)pyrene (Benzo[b]fluoranthene)	0.60 ug/l	ND ug/l
3,4-benzofluoranthene	0.80 ug/l	ND ug/l
Benzo(ghi)perylene	0.70 ug/l	ND ug/l
Benzo(k)fluoranthene	1.3 ug/l	ND ug/l
Bis(2-chloroethoxy)methane	0.90 ug/l	ND ug/l
Bis(2-chloroethyl)ether	1.1 ug/l	ND ug/l
Bis(2-chloroisopropyl)ether	1.4 ug/l	ND ug/l
Bis(2-ethylhexyl)phthalate	0.70 ug/l	1.1 ug/l
4-bromophenyl-phenylether	0.70 ug/l	ND ug/l
Butylbenzylphthalate	3.6ug/l	ND ug/l
2-Chloronaphthalene	1.0 ug/l	ND ug/l
4-chlorophenyl-phenylether	0.90 ug/l	ND ug/l
Chrysene	0.60 ug/l	ND ug/l
Dibenzo(a,h)anthracene	0.60 ug/l	ND ug/l
1,2-Dichlorobenzene	1.9 ug/l	ND ug/l
1,3-Dichlorobenzene	2.0 ug/l	ND ug/l
1,4-Dichlorobenzene	1.9 ug/l	ND ug/l
3,3'-Dichlorobenzidine	0.80 ug/l	ND ug/l
Diethylphthalate	2.5 ug/l	ND ug/l
Dimethylphthalate	3.7 ug/l	ND ug/l
Di-n-butylphthalate	1.6 ug/l	ND ug/l
2,4-Dinitrotoluene	0.80 ug/l	ND ug/l
2,6-dinitrotoluene	0.80 ug/l	ND ug/l
Di-n-octyl phthalate	1.7 ug/l	ND ug/l
1,2-diphenythydrazine as azobenzene	0.60 ug/l	ND ug/l
Fluroranthene	0.60 ug/l	ND ug/l
Fluorene	0.80 ug/l	ND ug/l
Hexachlorobenzene	0.90 ug/l	ND ug/l
Hexachlorobutadiene	1.9 ug/l	ND ug/l
Hexachlorocyclopentadiene	1.0ug/l	ND ug/l
Hexachloroethane	2.0 ug/l	ND ug/l
Indeno(1,2,3-cd)pyrene	0.60 ug/l	ND ug/l
Isophorone	0.80 ug/l	ND ug/l
Napthalene	1.4 ug/l	ND ug/l
Nitrobenzene	1.0 ug/l	ND ug/l
N-nitrosodimethylamine	0.50 ug/l	ND ug/l
N-nitroso-di-n-propylamine	0.80 ug/l	ND ug/l
N-nitrosodiphenylamine	0.60 ug/l	ND ug/l
Phenanthrene	0.70 ug/l	ND ug/l
Pyrene	0.80 ug/l	ND ug/l
1,2,4-trichlorobenzene	1.6 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Melvin Hazen Park

Parameter	MDL	Anaylsis Result
(D)Pesticides/PCBs (J= Estimated Value)		
Aldrin	0.00030 ug/l	ND ug/l
Alpha-BHC	0.00020 ug/l	ND ug/l
Beta-BHC	0.00020 ug/l	ND ug/l
Gamma-BHC	0.00020 ug/l	ND ug/l
Delta-BHC	0.00020 ug/l	ND ug/l
Chlorodane	0.34 ug/l	ND ug/l
4,4'-DDT	0.00040 ug/l	ND ug/l
4,4'-DDE	0.00020 ug/l	ND ug/l
4,4'-DDD	0.00030 ug/l	ND ug/l
Dieldrin	0.00020 ug/l	0.03 ug/l
Alpha-endosulfan	0.00030 ug/l	ND ug/l
Beta-endosulfan	0.00030 ug/l	ND ug/l
Endosulfan sulfate	0.00030 ug/l	ND ug/l
Endrin	0.00030 ug/l	ND ug/l
Endrin aldehyde	0.00020 ug/l	ND ug/l
Heptachlor	0.00020 ug/l	0.003 ug/l
Heptachlor epoxide	0.00020 ug/l	0.007 ug/l
PCB-1242	0.4 ug/l	ND ug/l
PCB-1254	0.2 ug/l	ND ug/l
PCB-1221	0.5 ug/l	ND ug/l
PCB-1232	0.5 ug/l	ND ug/l
PCB-1248	0.1 ug/l	ND ug/l
PCB-1260	0.2 ug/l	ND ug/l
PCB-1016	0.3 ug/l	ND ug/l
Toxaphene *****	0.12 ug/l	ND ug/l
PCB-33	0.2 ng/l	8.347 ng/l
PCB-44	0.2 ng/l	0.493 ng/l
PCB-49	0.2 ng/l	1.736 ng/l
PCB-60	0.2 ng/l	0.732 ng/l
PCB-81	0.2 ng/l	0.848 ng/l
PCB-84	0.2 ng/l	0.849 ng/l
PCB-99	0.2 ng/l	2.312 ng/l
PCB-141	0.2 ng/l	0.239 ng/l
PCB-151	0.2 ng/l	0.450 ng/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Melvin Hazen Park

Parameter	MDL	Anaylsis Result
(E)Metals, Cyanide, and Phenols		
Antimony, Total	0.002 mg/l	ND mg/l
Arsenic, Total	0.002 mg/l	ND mg/l
Beryllium, Total	0.0005 mg/l	ND mg/l
Cadmium, Total	0.0005 mg/l	ND mg/l
Chromium, Total	0.002 mg/l	ND mg/l
Copper, Total	0.002 mg/l	0.007 mg/l
Lead, Total	0.002 mg/l	ND mg/l
Mercury, Total	0.0002 mg/l	ND mg/l
Nickel, Total	0.002 mg/l	0.007 mg/l
Selenium, Total	0.002 mg/l	ND mg/l
Silver, Total	0.001 mg/l	ND mg/l
Thallium, Total	0.002 mg/l	ND mg/l
Zinc, Total	0.002 mg/l	0.013 mg/l
Cyanide, Total	0.01 mg/l	ND mg/l
Phenols, Total	0.05 mg/l	ND mg/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Melvin Hazen Park

Parameter	MDL	Anaylsis Result
(E) Conventional Pollutants		
Total suspended solids	10 mg/l	ND mg/l
Total dissolved solids	7 mg/l	280 mg/l
COD	10 mg/l	ND mg/l
BOD_5	2 mg/l	ND mg/l
Oil and Grease	5.0 mg/l	ND mg/l
Fecal coliform	2 MPN	930 org/100ml
Fecal streptococcus	2 MPN	24.000 org/100ml
Total Kjeldahl nitrogen (TKN)*	0.20 mg/l	ND mg/l
Nitrate + Nitrite ($NO_2 + NO_3$)	0.08 mg/l	2.78 mg/l
Dissolved phosphorous	0.02 mg/l	0.04 mg/l
Total ammonia plus organic nitrogen (NH4+Org. N)	N/A	ND mg/l
Total phosophorous (TP)	0.02 mg/l	0.04 mg/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Melvin Hazen Park

Parameter	MDL	Anaylsis Result
(G)Others		
Chlorophyll (a)	0.1 mg/m^3	<6 mg/m^3
Dissolved Oxygen	N/A	11.1 mg/l
Hardness	0.50 mg/l	214 mg/l
Temperature	N/A	18.9 SU
Total Ammonia nitrogen	0.20 mg/l	ND mg/l
Organic nitrogen	N/A	ND mg/l
Total nitrogen	N/A	2.78 mg/l
Dioxin (2,3,7,8-TCDD)	1.3 pg/l	ND pg/l

Total N = NO2 + NO3 +TKN
TKN = NH3 + Organic N
Organic N = TKN-NH3

KLINGLE VALLEY CREEK – DEVONSHIRE PLACE AND 30TH STREET

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(A)Volatile Organic Compounds		
Acrolein	50 ug/l	ND ug/l
Acrylonitrile	50 ug/l	ND ug/l
Benzene	0.80 ug/l	ND ug/l
Bromoform	0.40 ug/l	ND ug/l
Carbon tetrachloride	0.90 ug/l	ND ug/l
Chlorobenzene	0.70 ug/l	ND ug/l
Chlorodibromomethane (Dibromochloromethane)	0.70 ug/l	ND ug/l
Chloroethane	1.5 ug/l	ND ug/l
2-Chloroethlyvinyl ether	0.90 ug/l	ND ug/l
Chloroform	0.60 ug/l	ND ug/l
cis-1,3-Dichloropropene	0.60 ug/l	ND ug/l
Dichlorobromomethane	0.70 ug/l	ND ug/l
1,1-Dichloroethane	1.1 ug/l	ND ug/l
1,2-Dichloroethane	0.50 ug/l	ND ug/l
1,1-Dichloroethylene (1,1-Dichloroethane)	0.80 ug/l	ND ug/l
1,2-Dichloropropane	0.80 ug/l	ND ug/l
1,3-Dichloropropylene (trans-1,3-Dichloropropene)	0.60 ug/l	ND ug/l
Ethylbenzene	0.80 ug/l	ND ug/l
Methyl bromide (bromomethane)	1.0 ug/l	ND ug/l
Methyl chloride	0.70 ug/l	ND ug/l
Methylene chloride	0.70 ug/l	ND ug/l
1,1,2,2-Tetrachloroethane	1.1 ug/l	ND ug/l
Tetrachloroethene	1.1 ug/l	ND ug/l
Toluene	0.90 ug/l	ND ug/l
1,2-trans-Dichloroethyle (trans-1,2-Dichloroethane)	0.80 ug/l	ND ug/l
1,1,1-Trichloroethane	0.80 ug/l	ND ug/l
1,1,2-Trichloroethane	0.70 ug/l	ND ug/l
Trichloroethylene	1.0 ug/l	ND ug/l
Vinyl Chloride	1.4 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(B)Acid Extractable Compounds		
2-Chlorophenol	1.7 ug/l	ND ug/l
2,4-Dichlorophenol	1.5 ug/l	ND ug/l
2,4-Dimethylphenol	1 ug/l	ND ug/l
4,6-Dinitro-o-crestol	3 ug/	ND ug/l
2,4-Dinitrophenol	3.2 ug/l	ND ug/l
2-Nitrophenol	1.6 ug/l	ND ug/l
4-Nitrophenol	0.4 ug/l	ND ug/l
p-Chloro-m-crestol	0.9 ug/l	ND ug/l
Pentachlorophenol	2.9 ug/l	ND ug/l
Phenol	0.8 ug/l	ND ug/l
2,4,6-Trichlorophenol	1.2 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(C)Base/Neutral Extractable Compounds		
Acenaphthene	0.80 ug/l	ND ug/l
Acenaphthylene	0.80 ug/l	ND ug/l
Anthracene	0.70 ug/l	ND ug/l
Benzidine	3.6 ug/l	ND ug/l
Benzo(a)anthracene	0.70 ug/l	ND ug/l
Benzo(a)pyrene (Benzo[b]fluoranthene)	0.60 ug/l	ND ug/l
3,4-benzofluoranthene	0.80 ug/l	ND ug/l
Benzo(ghi)perylene	0.70 ug/l	ND ug/l
Benzo(k)fluoranthene	1.3 ug/l	ND ug/l
Bis(2-chloroethoxy)methane	0.90 ug/l	ND ug/l
Bis(2-chloroethyl)ether	1.1 ug/l	ND ug/l
Bis(2-chloroisopropyl)ether	1.4 ug/l	ND ug/l
Bis(2-ethylhexyl)phthalate	0.70 ug/l	0.8 ug/l
4-bromophenyl-phenylether	0.70 ug/l	ND ug/l
Butylbenzylphthalate	3.6ug/l	ND ug/l
2-Chloronaphthalene	1.0 ug/l	ND ug/l
4-chlorophenyl-phenylether	0.90 ug/l	ND ug/l
Chrysene	0.60 ug/l	ND ug/l
Dibenzo(a,h)anthracene	0.60 ug/l	ND ug/l
1,2-Dichlorobenzene	1.9 ug/l	ND ug/l
1,3-Dichlorobenzene	2.0 ug/l	ND ug/l
1,4-Dichlorobenzene	1.9 ug/l	ND ug/l
3,3'-Dichlorobenzidine	0.80 ug/l	ND ug/l
Diethylphthalate	2.5 ug/l	ND ug/l
Dimethylphthalate	3.7 ug/l	ND ug/l
Di-n-butylphthalate	1.6 ug/l	ND ug/l
2,4-Dinitrotoluene	0.80 ug/l	ND ug/l
2,6-dinitrotoluene	0.80 ug/l	ND ug/l
Di-n-octyl phthalate	1.7 ug/l	ND ug/l
1,2-diphenythydrazine as azobenzene	0.60 ug/l	ND ug/l
Fluroranthene	0.60 ug/l	ND ug/l
Fluorene	0.80 ug/l	ND ug/l
Hexachlorobenzene	0.90 ug/l	ND ug/l
Hexachlorobutadiene	1.9 ug/l	ND ug/l
Hexachlorocyclopentadiene	1.0ug/l	ND ug/l
Hexachloroethane	2.0 ug/l	ND ug/l
Indeno(1,2,3-cd)pyrene	0.60 ug/l	ND ug/l
Isophorone	0.80 ug/l	ND ug/l
Napthalene	1.4 ug/l	ND ug/l
Nitrobenzene	1.0 ug/l	ND ug/l
N-nitrosodimethylamine	0.50 ug/l	ND ug/l
N-nitroso-di-n-propylamine	0.80 ug/l	ND ug/l
N-nitrosodiphenylamine	0.60 ug/l	ND ug/l
Phenanthrene	0.70 ug/l	ND ug/l
Pyrene	0.80 ug/l	ND ug/l
1,2,4-trichlorobenzene	1.6 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(D)Pesticides/PCBs; J = Estimated Value		
Aldrin	0.00030 ug/l	ND ug/l
Alpha-BHC	0.00020 ug/l	ND ug/l
Beta-BHC	0.00020 ug/l	ND ug/l
Gamma-BHC	0.00020 ug/l	ND ug/l
Delta-BHC	0.00020 ug/l	ND ug/l
Chlorodane	0.34 ug/l	ND ug/l
4,4`-DDT	0.00040 ug/l	ND ug/l
4,4`-DDE	0.00020 ug/l	ND ug/l
4,4`-DDD	0.00030 ug/l	ND ug/l
Dieldrin	0.00020 ug/l	0.013 ug/l
Alpha-endosulfan	0.00030 ug/l	ND ug/l
Beta-endosulfan	0.00030 ug/l	ND ug/l
Endosulfan sulfate	0.00030 ug/l	ND ug/l
Endrin	0.00030 ug/l	ND ug/l
Endrin aldehyde	0.00020 ug/l	ND ug/l
Heptachlor	0.00020 ug/l	ND ug/l
Heptachlor epoxide	0.00020 ug/l	0.004 ug/l
PCB-1242	0.4 ug/l	ND ug/l
PCB-1254	0.2 ug/l	ND ug/l
PCB-1221	0.5 ug/l	ND ug/l
PCB-1232	0.5 ug/l	ND ug/l
PCB-1248	0.1 ug/l	ND ug/l
PCB-1260	0.2 ug/l	ND ug/l
PCB-1016	0.3 ug/l	ND ug/l
Toxaphene *****	0.12 ug/l	ND ug/l
PCB-33	0.2 ng/l	0.99 ug/l
PCB-49	0.2 ng/l	0.462 ug/l
PCB-99	0.2 ng/l	0.583 ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(E)Metals, Cyanide, and Phenols		
Antimony, Total	0.002 mg/l	ND mg/l
Arsenic, Total	0.002 mg/l	ND mg/l
Beryllium, Total	0.0005 mg/l	ND mg/l
Cadmium, Total	0.0005 mg/l	0.005 mg/l
Chromium, Total	0.002 mg/l	0.077 mg/l
Copper, Total	0.002 mg/l	0.107 mg/l
Lead, Total	0.0002 mg/l	ND mg/l
Mercury, Total	0.002 mg/l	0.01 mg/l
Nickel, Total	0.002 mg/l	ND mg/l
Selenium, Total	0.001 mg/l	ND mg/l
Silver, Total	0.002 mg/l	ND mg/l
Thallium, Total	0.002 mg/l	0.057 mg/l
Zinc, Total	0.01 mg/l	ND mg/l
Cyanide, Total	0.05 mg/l	ND mg/l
Phenols, Total		

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(F)Conventional Pollutants		
Total suspended solids	10 mg/l	40 mg/l
Total dissolved solids	7 mg/l	67 mg/l
COD	10 mg/l	53 mg/l
BOD_5	2 mg/l	8 mg/l
Oil and Grease	5.0 mg/l	ND mg/l
Fecal coliform	2 MPN	24,000 org/100ml
Fecal streptococcus	2 MPN	>=240,000 org/100ml
Total Kjeldahl nitrogen (TKN)*	0.20 mg/l	0.87 mg/l
Nitrate + Nitrite ($NO_2 + NO_3$)	0.08 mg/l	1.29 mg/l
Dissolved phosphorous	0.02 mg/l	0.24 mg/l
Total ammonia plus organic nitrogen (NH4+Org. N)	N/A	0.87 mg/l
Total phosophorous (TP)	0.02 mg/l	0.3 mg/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(G)Others		
Chlorophyll (a)	0.1 mg/m^3	<6 mg/m^3
Dissolved Oxygen	N/A	12.25 mg/l
Hardness	0.50 mg/l	33.6 mg/l
Temperature	N/A	17.9 SU
Total Ammonia nitrogen	0.20 mg/l	0.35 mg/l
Organic nitrogen	N/A	0.52 mg/l
Total nitrogen	N/A	2.16 mg/l
Dioxin (2,3,7,8-TCDD)	1.3 pg/l	ND pg/l

Total N = NO2 + NO3 +TKN
TKN = NH3 + Organic N
Organic N = TKN-NH3

Sampling Event #1
Anaylsis Results - Duplicate Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(A) Volatile Organic Compounds		
Acrolein	50 ug/l	ND ug/l
Acrylonitrile	50 ug/l	ND ug/l
Benzene	0.80 ug/l	ND ug/l
Bromoform	0.40 ug/l	ND ug/l
Carbon tetrachloride	0.90 ug/l	ND ug/l
Chlorobenzene	0.70 ug/l	ND ug/l
Chlorodibromomethane (Dibromochloromethane)	0.70 ug/l	ND ug/l
Chloroethane	1.5 ug/l	ND ug/l
2-Chloroethlyvinyl ether	0.90 ug/l	ND ug/l
Chloroform	0.60 ug/l	ND ug/l
cis-1,3-Dichloropropene	0.60 ug/l	ND ug/l
Dichlorobromomethane	0.70 ug/l	ND ug/l
1,1-Dichloroethane	1.1 ug/l	ND ug/l
1,2-Dichloroethane	0.50 ug/l	ND ug/l
1,1-Dichloroethylene (1,1-Dichloroethane)	0.80 ug/l	ND ug/l
1,2-Dichloropropane	0.80 ug/l	ND ug/l
1,3-Dichloropropylene (trans-1,3-Dichloropropene)	0.60 ug/l	ND ug/l
Ethylbenzene	0.80 ug/l	ND ug/l
Methyl bromide (bromomethane)	1.0 ug/l	ND ug/l
Methyl chloride	0.70 ug/l	ND ug/l
Methylene chloride	0.70 ug/l	ND ug/l
1,1,2,2-Tetrachloroethane	1.1 ug/l	ND ug/l
Tetrachloroethene	1.1 ug/l	ND ug/l
Toluene	0.90 ug/l	4.8 ug/l
1,2-trans-Dichloroethylei (trans-1,2-Dichloroethane)	0.80 ug/l	ND ug/l
1,1,1-Trichloroethane	0.80 ug/l	ND ug/l
1,1,2-Trichloroethane	0.70 ug/l	ND ug/l
Trichloroethylene	1.0 ug/l	ND ug/l
Vinyl Chloride	1.4 ug/l	ND ug/l

Sampling Event #1
Anaylsis Results - Duplicate Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(B)Acid Extractable Compounds		
2-Chlorophenol	1.7 ug/l	ND ug/l
2,4-Dichlorophenol	1.5 ug/l	ND ug/l
2,4-Dimethylphenol	1 ug/l	ND ug/l
4,6-Dinitro-o-crestol	3 ug/	ND ug/l
2,4-Dinitrophenol	3.2 ug/l	ND ug/l
2-Nitrophenol	1.6 ug/l	ND ug/l
4-Nitrophenol	0.4 ug/l	ND ug/l
p-Chloro-m-crestol	0.9 ug/l	ND ug/l
Pentachlorophenol	2.9 ug/l	ND ug/l
Phenol	0.8 ug/l	ND ug/l
2,4,6-Trichlorophenol	1.2 ug/l	ND ug/l

Sampling Event #1
Anaylsis Results - Duplicate Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(C)Base/Neutral Extractable Compounds		
Acenaphthene	0.80 ug/l	ND ug/l
Acenaphthylene	0.80 ug/l	ND ug/l
Anthracene	0.70 ug/l	ND ug/l
Benzidine	3.6 ug/l	ND ug/l
Benzo(a)anthracene	0.70 ug/l	ND ug/l
Benzo(a)pyrene (Benzo[b]fluoranthene)	0.60 ug/l	ND ug/l
3,4-benzofluoranthene	0.80 ug/l	ND ug/l
Benzo(ghi)perylene	0.70 ug/l	ND ug/l
Benzo(k)fluoranthene	1.3 ug/l	ND ug/l
Bis(2-chloroethoxy)methane	0.90 ug/l	ND ug/l
Bis(2-chloroethyl)ether	1.1 ug/l	ND ug/l
Bis(2-chloroisopropyl)ether	1.4 ug/l	ND ug/l
Bis(2-ethylhexyl)phthalate	0.70 ug/l	1.8 ug/l
4-bromophenyl-phenylether	0.70 ug/l	ND ug/l
Butylbenzylphthalate	3.6ug/l	ND ug/l
2-Chloronaphthalene	1.0 ug/l	ND ug/l
4-chlorophenyl-phenylether	0.90 ug/l	ND ug/l
Chrysene	0.60 ug/l	ND ug/l
Dibenzo(a,h)anthracene	0.60 ug/l	ND ug/l
1,2-Dichlorobenzene	1.9 ug/l	ND ug/l
1,3-Dichlorobenzene	2.0 ug/l	ND ug/l
1,4-Dichlorobenzene	1.9 ug/l	ND ug/l
3,3'-Dichlorobenzidine	0.80 ug/l	ND ug/l
Diethylphthalate	2.5 ug/l	ND ug/l
Dimethylphthalate	3.7 ug/l	ND ug/l
Di-n-butylphthalate	1.6 ug/l	ND ug/l
2,4-Dinitrotoluene	0.80 ug/l	ND ug/l
2,6-dinitrotoluene	0.80 ug/l	ND ug/l
Di-n-octyl phthalate	1.7 ug/l	ND ug/l
1,2-diphenythydrazine as azobenzene	0.60 ug/l	ND ug/l
Fluroranthene	0.60 ug/l	ND ug/l
Fluorene	0.80 ug/l	ND ug/l
Hexachlorobenzene	0.90 ug/l	ND ug/l
Hexachlorobutadiene	1.9 ug/l	ND ug/l
Hexachlorocyclopentadiene	1.0ug/l	ND ug/l
Hexachloroethane	2.0 ug/l	ND ug/l
Indeno(1,2,3-cd)pyrene	0.60 ug/l	ND ug/l
Isophorone	0.80 ug/l	ND ug/l
Napthalene	1.4 ug/l	ND ug/l
Nitrobenzene	1.0 ug/l	ND ug/l
N-nitrosodimethylamine	0.50 ug/l	ND ug/l
N-nitroso-di-n-propylamine	0.80 ug/l	ND ug/l
N-nitrosodiphenylamine	0.60 ug/l	ND ug/l
Phenanthrene	0.70 ug/l	ND ug/l
Pyrene	0.80 ug/l	ND ug/l
1,2,4-trichlorobenzene	1.6 ug/l	ND ug/l

Sampling Event #1
Anaylsis Results - Duplicate Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(D)Pesticides/PCBs J = Estimated Value		
Aldrin	0.00030 ug/l	ND ug/l
Alpha-BHC	0.00020 ug/l	ND ug/l
Beta-BHC	0.00020 ug/l	ND ug/l
Gamma-BHC	0.00020 ug/l	ND ug/l
Delta-BHC	0.00020 ug/l	ND ug/l
Chlorodane	0.34 ug/l	ND ug/l
4,4'-DDT	0.00040 ug/l	ND ug/l
4,4'-DDE	0.00020 ug/l	ND ug/l
4,4'-DDD	0.00030 ug/l	ND ug/l
Dieldrin	0.00020 ug/l	0.012 ug/l
Alpha-endosulfan	0.00030 ug/l	ND ug/l
Beta-endosulfan	0.00030 ug/l	ND ug/l
Endosulfan sulfate	0.00030 ug/l	ND ug/l
Endrin	0.00030 ug/l	ND ug/l
Endrin aldehyde	0.00020 ug/l	ND ug/l
Heptachlor	0.00020 ug/l	ND ug/l
Heptachlor epoxide	0.00020 ug/l	ND ug/l
PCB-1242	0.4 ug/l	ND ug/l
PCB-1254	0.2 ug/l	ND ug/l
PCB-1221	0.5 ug/l	ND ug/l
PCB-1232	0.5 ug/l	ND ug/l
PCB-1248	0.1 ug/l	ND ug/l
PCB-1260	0.2 ug/l	ND ug/l
PCB-1016	0.3 ug/l	ND ug/l
Toxaphene *****	0.12 ug/l	ND ug/l
PCB-33	0.2 ng/l	0.689 ug/l
PCB-49	0.2 ng/l	0.279 ug/l
PCB-99	0.2 ng/l	0.508 ug/l
PCB-151	0.2 ng/l	0.21 ug/l

Sampling Event #1
Anaylsis Results - Duplicate Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(E)Metals, Cyanide, and Phenols		
Antimony, Total	0.002 mg/l	ND mg/l
Arsenic, Total	0.002 mg/l	ND mg/l
Beryllium, Total	0.0005 mg/l	ND mg/l
Cadmium, Total	0.0005 mg/l	ND mg/l
Chromium, Total	0.002 mg/l	0.005 mg/l
Copper, Total	0.002 mg/l	0.082 mg/l
Lead, Total	0.002 mg/l	0.107 mg/l
Mercury, Total	0.0002 mg/l	ND mg/l
Nickel, Total	0.002 mg/l	0.015 mg/l
Selenium, Total	0.002 mg/l	ND mg/l
Silver, Total	0.001 mg/l	ND mg/l
Thallium, Total	0.002 mg/l	ND mg/l
Zinc, Total	0.002 mg/l	0.055 mg/l
Cyanide, Total	0.01 mg/l	ND mg/l
Phenols, Total	0.05 mg/l	ND mg/l

Sampling Event #1
Anaylsis Results - Duplicate Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(F)Conventional Pollutants		
Total suspended solids	10 mg/l	35 mg/l
Total dissolved solids	7 mg/l	71 mg/l
COD	10 mg/l	52 mg/l
BOD_5	2 mg/l	11 mg/l
Oil and Grease	5.0 mg/l	ND mg/l
Fecal coliform	2 MPN	24000 org/100ml
Fecal streptococcus	2 MPN	>=240000 org/100ml
Total Kjeldahl nitrogen (TKN)*	0.20 mg/l	0.89 mg/l
Nitrate + Nitrite ($NO_2 + NO_3$)	0.08 mg/l	1.29 mg/l
Dissolved phosphorous	0.02 mg/l	0.27 mg/l
Total ammonia plus organic nitrogen (NH4+Org. N)	N/A	0.89 mg/l
Total phosophorous (TP)	0.02 mg/l	0.32 mg/l

Sampling Event #1
Anaylsis Results - Duplicate Samples

Date of Event: 10/14/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(G)Others		
Chlorophyll (a)	0.1 mg/m^3	<6 mg/m^3
Dissolved Oxygen	N/A	12.25 mg/l
Hardness	0.50 mg/l	33.6 mg/l
Temperature	N/A	17.9 SU
Total Ammonia nitrogen	0.20 mg/l	0.37 mg/l
Organic nitrogen	N/A	0.52 mg/l
Total nitrogen	N/A	2.18 mg/l
Dioxin (2,3,7,8-TCDD)	1.3 pg/l	ND pg/l

Total N = NO2 + NO3 +TKN
TKN = NH3 + Organic N
Organic N = TKN-NH3

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(A)Volatile Organic Compounds		
Acrolein	50 ug/l	ND ug/l
Acrylonitrile	50 ug/l	ND ug/l
Benzene	0.80 ug/l	ND ug/l
Bromoform	0.40 ug/l	ND ug/l
Carbon tetrachloride	0.90 ug/l	ND ug/l
Chlorobenzene	0.70 ug/l	ND ug/l
Chlorodibromomethane (Dibromochloromethane)	0.70 ug/l	ND ug/l
Chloroethane	1.5 ug/l	ND ug/l
2-Chloroethlyvinyl ether	0.90 ug/l	ND ug/l
Chloroform	0.60 ug/l	ND ug/l
cis-1,3-Dichloropropene	0.60 ug/l	ND ug/l
Dichlorobromomethane	0.70 ug/l	ND ug/l
1,1-Dichloroethane	1.1 ug/l	ND ug/l
1,2-Dichloroethane	0.50 ug/l	ND ug/l
1,1-Dichloroethylene (1,1-Dichloroethane)	0.80 ug/l	ND ug/l
1,2-Dichloropropane	0.80 ug/l	ND ug/l
1,3-Dichloropropylene (trans-1,3-Dichloropropene)	0.60 ug/l	ND ug/l
Ethylbenzene	0.80 ug/l	ND ug/l
Methyl bromide (bromomethane)	1.0 ug/l	ND ug/l
Methyl chloride	0.70 ug/l	ND ug/l
Methylene chloride	0.70 ug/l	ND ug/l
1,1,2,2-Tetrachloroethane	1.1 ug/l	ND ug/l
Tetrachloroethene	1.1 ug/l	ND ug/l
Toluene	0.90 ug/l	ND ug/l
1,2-trans-Dichloroethyle: (trans-1,2-Dichloroethane)	0.80 ug/l	ND ug/l
1,1,1-Trichloroethane	0.80 ug/l	ND ug/l
1,1,2-Trichloroethane	0.70 ug/l	ND ug/l
Trichloroethylene	1.0 ug/l	ND ug/l
Vinyl Chloride	1.4 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(B)Acid Extractable Compounds		
2-Chlorophenol	1.7 ug/l	ND ug/l
2,4-Dichlorophenol	1.5 ug/l	ND ug/l
2,4-Dimethylphenol	1 ug/l	ND ug/l
4,6-Dinitro-o-crestol	3 ug/	ND ug/l
2,4-Dinitrophenol	3.2 ug/l	ND ug/l
2-Nitrophenol	1.6 ug/l	ND ug/l
4-Nitrophenol	0.4 ug/l	ND ug/l
p-Chloro-m-crestol	0.9 ug/l	ND ug/l
Pentachlorophenol	2.9 ug/l	ND ug/l
Phenol	0.8 ug/l	ND ug/l
2,4,6-Trichlorophenol	1.2 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(C)Base/Neutral Extractable Compounds		
Acenaphthene	0.80 ug/l	ND ug/l
Acenaphthylene	0.80 ug/l	ND ug/l
Anthracene	0.70 ug/l	ND ug/l
Benzidine	3.6 ug/l	ND ug/l
Benzo(a)anthracene	0.70 ug/l	ND ug/l
Benzo(a)pyrene (Benzo[b]fluoranthene)	0.60 ug/l	ND ug/l
3,4-benzofluoranthene	0.80 ug/l	ND ug/l
Benzo(ghi)perylene	0.70 ug/l	ND ug/l
Benzo(k)fluoranthene	1.3 ug/l	ND ug/l
Bis(2-chloroethoxy)methane	0.90 ug/l	ND ug/l
Bis(2-chloroethyl)ether	1.1 ug/l	ND ug/l
Bis(2-chloroisopropyl)ether	1.4 ug/l	ND ug/l
Bis(2-ethylhexyl)phthalate	0.70 ug/l	ND ug/l
4-bromophenyl-phenylether	0.70 ug/l	ND ug/l
Butylbenzylphthalate	3.6ug/l	ND ug/l
2-Chloronaphthalene	1.0 ug/l	ND ug/l
4-chlorophenyl-phenylether	0.90 ug/l	ND ug/l
Chrysene	0.60 ug/l	ND ug/l
Dibenzo(a,h)anthracene	0.60 ug/l	ND ug/l
1,2-Dichlorobenzene	1.9 ug/l	ND ug/l
1,3-Dichlorobenzene	2.0 ug/l	ND ug/l
1,4-Dichlorobenzene	1.9 ug/l	ND ug/l
3,3'-Dichlorobenzidine	0.80 ug/l	ND ug/l
Diethylphthalate	2.5 ug/l	ND ug/l
Dimethylphthalate	3.7 ug/l	ND ug/l
Di-n-butylphthalate	1.6 ug/l	ND ug/l
2,4-Dinitrotoluene	0.80 ug/l	ND ug/l
2,6-dinitrotoluene	0.80 ug/l	ND ug/l
Di-n-octyl phthalate	1.7 ug/l	ND ug/l
1,2-diphenythydrazine as azobenzene	0.60 ug/l	ND ug/l
Fluroranthene	0.60 ug/l	ND ug/l
Fluorene	0.80 ug/l	ND ug/l
Hexachlorobenzene	0.90 ug/l	ND ug/l
Hexachlorobutadiene	1.9 ug/l	ND ug/l
Hexachlorocyclopentadiene	1.0ug/l	ND ug/l
Hexachloroethane	2.0 ug/l	ND ug/l
Indeno(1,2,3-cd)pyrene	0.60 ug/l	ND ug/l
Isophorone	0.80 ug/l	ND ug/l
Napthalene	1.4 ug/l	ND ug/l
Nitrobenzene	1.0 ug/l	ND ug/l
N-nitrosodimethylamine	0.50 ug/l	ND ug/l
N-nitroso-di-n-propylamine	0.80 ug/l	ND ug/l
N-nitrosodiphenylamine	0.60 ug/l	ND ug/l
Phenanthrene	0.70 ug/l	ND ug/l
Pyrene	0.80 ug/l	ND ug/l
1,2,4-trichlorobenzene	1.6 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(D)Pesticides/PCBs J = Estimated Value		
Aldrin	0.00030 ug/l	ND ug/l
Alpha-BHC	0.00020 ug/l	ND ug/l
Beta-BHC	0.00020 ug/l	ND ug/l
Gamma-BHC	0.00020 ug/l	ND ug/l
Delta-BHC	0.00020 ug/l	ND ug/l
Chlorodane	0.34 ug/l	0.98 ug/l
4,4'-DDT	0.00040 ug/l	ND ug/l
4,4'-DDE	0.00020 ug/l	ND ug/l
4,4'-DDD	0.00030 ug/l	ND ug/l
Dieldrin	0.00020 ug/l	0.12 ug/l
Alpha-endosulfan	0.00030 ug/l	ND ug/l
Beta-endosulfan	0.00030 ug/l	ND ug/l
Endosulfan sulfate	0.00030 ug/l	ND ug/l
Endrin	0.00030 ug/l	ND ug/l
Endrin aldehyde	0.00020 ug/l	ND ug/l
Heptachlor	0.00020 ug/l	ND ug/l
Heptachlor epoxide	0.00020 ug/l	0.02 ug/l
PCB-1242	0.4 ug/l	ND ug/l
PCB-1254	0.2 ug/l	ND ug/l
PCB-1221	0.5 ug/l	ND ug/l
PCB-1232	0.5 ug/l	ND ug/l
PCB-1248	0.1 ug/l	ND ug/l
PCB-1260	0.2 ug/l	ND ug/l
PCB-1016	0.3 ug/l	ND ug/l
Toxaphene *****	0.12 ug/l	ND ug/l
PCB-31	0.2 ng/l	17.895 ng/l
PCB-33	0.2 ng/l	23.776 ng/l
PCB-49	0.2 ng/l	9.479 ng/l
PCB-60	0.2 ng/l	6.14 ng/l
PCB-81	0.2 ng/l	7.125 ng/l
PCB-84	0.2 ng/l	4.915 ng/l
PCB-97	0.2 ng/l	1.383 ng/l
PCB-99	0.2 ng/l	10.034 ng/l
PCB-105	0.2 ng/l	1.891 ng/l
PCB-132	0.2 ng/l	2.382 ng/l
PCB-135	0.2 ng/l	0.352 ng/l
PCB-146	0.2 ng/l	0.415 ng/l
PCB-151	0.2 ng/l	3.976 ng/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(E)Metals, Cyanide, and Phenols:		
Antimony, Total	0.002 mg/l	ND mg/l
Arsenic, Total	0.002 mg/l	ND mg/l
Beryllium, Total	0.0005 mg/l	ND mg/l
Cadmium, Total	0.0005 mg/l	ND mg/l
Chromium, Total	0.002 mg/l	ND mg/l
Copper, Total	0.002 mg/l	0.012 mg/l
Lead, Total	0.002 mg/l	0.006 mg/l
Mercury, Total	0.0002 mg/l	ND mg/l
Nickel, Total	0.002 mg/l	0.015 mg/l
Selenium, Total	0.002 mg/l	ND mg/l
Silver, Total	0.001 mg/l	ND mg/l
Thallium, Total	0.002 mg/l	ND mg/l
Zinc, Total	0.002 mg/l	0.027 mg/l
Cyanide, Total	0.01 mg/l	ND mg/l
Phenols, Total	0.05 mg/l	ND mg/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(E)Conventional Pollutants		
Total suspended solids	10 mg/l	ND mg/l
Total dissolved solids	7 mg/l	254 mg/l
COD	10 mg/l	ND mg/l
BOD_5	2 mg/l	ND mg/l
Oil and Grease	5.0 mg/l	ND mg/l
Fecal coliform	2 MPN	46,000 org/100ml
Fecal streptococcus	2 MPN	15,000 org/100ml
Total Kjeldahl nitrogen (TKN)*	0.20 mg/l	0.41 mg/l
Nitrate + Nitrite ($NO_2 + NO_3$)	0.08 mg/l	3.67 mg/l
Dissolved phosphorous	0.02 mg/l	0.07 mg/l
Total ammonia plus organic nitrogen (NH4+Org. N)	N/A	0.41 mg/l
Total phosophorous (TP)	0.02 mg/l	0.1 mg/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Klingle Valley Park

Parameter	MDL	Anaylsis Result
(G)Others		
Chlorophyll (a)	0.1 mg/m^3	<6 mg/m^3
Dissolved Oxygen	N/A	8.72 mg/l
Hardness	0.50 mg/l	ND mg/l
Temperature	N/A	17.7 SU
Total Ammonia nitrogen	0.20 mg/l	0.4 mg/l
Organic nitrogen	N/A	0.01 mg/l
Total nitrogen	N/A	4.08 mg/l
Dioxin (2,3,7,8-TCDD)	1.3 pg/l	ND pg/l

Total N = NO2 + NO3 +TKN
TKN = NH3 + Organic N
Organic N = TKN-NH3

NORMANSTONE CREEK – NORMANSTONE DRIVE AND NORMANSTONE PARKWAY

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Normanstone Creek

Parameter	MDL	Anaylsis Result
(A)Volatile Organic Compounds		
Acrolein	50 ug/l	ND ug/l
Acrylonitrile	50 ug/l	ND ug/l
Benzene	0.80 ug/l	ND ug/l
Bromoform	0.40 ug/l	ND ug/l
Carbon tetrachloride	0.90 ug/l	ND ug/l
Chlorobenzene	0.70 ug/l	ND ug/l
Chlorodibromomethane (Dibromochloromethane)	0.70 ug/l	ND ug/l
Chloroethane	1.5 ug/l	ND ug/l
2-Chloroethlyvinyl ether	0.90 ug/l	ND ug/l
Chloroform	0.60 ug/l	ND ug/l
cis-1,3-Dichloropropene	0.60 ug/l	ND ug/l
Dichlorobromomethane	0.70 ug/l	ND ug/l
1,1-Dichloroethane	1.1 ug/l	ND ug/l
1,2-Dichloroethane	0.50 ug/l	ND ug/l
1,1-Dichloroethylene (1,1-Dichloroethane)	0.80 ug/l	ND ug/l
1,2-Dichloropropane	0.80 ug/l	ND ug/l
1,3-Dichloropropylene (trans-1,3-Dichloropropene)	0.60 ug/l	ND ug/l
Ethylbenzene	0.80 ug/l	ND ug/l
Methyl bromide (bromomethane)	1.0 ug/l	ND ug/l
Methyl chloride	0.70 ug/l	ND ug/l
Methylene chloride	0.70 ug/l	ND ug/l
1,1,2,2-Tetrachloroethane	1.1 ug/l	ND ug/l
Tetrachloroethene	1.1 ug/l	ND ug/l
Toluene	0.90 ug/l	ND ug/l
1,2-trans-Dichloroethyle (trans-1,2-Dichloroethane)	0.80 ug/l	ND ug/l
1,1,1-Trichloroethane	0.80 ug/l	ND ug/l
1,1,2-Trichloroethane	0.70 ug/l	ND ug/l
Trichloroethylene	1.0 ug/l	ND ug/l
Vinyl Chloride	1.4 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Normanstone Creek

Parameter	MDL	Anaylsis Result
(B)Acid Extractable Compounds		
2-Chlorophenol	1.7 ug/l	ND ug/l
2,4-Dichlorophenol	1.5 ug/l	ND ug/l
2,4-Dimethylphenol	1 ug/l	ND ug/l
4,6-Dinitro-o-crestol	3 ug/	ND ug/l
2,4-Dinitrophenol	3.2 ug/l	ND ug/l
2-Nitrophenol	1.6 ug/l	ND ug/l
4-Nitrophenol	0.4 ug/l	ND ug/l
p-Chloro-m-crestol	0.9 ug/l	ND ug/l
Pentachlorophenol	2.9 ug/l	ND ug/l
Phenol	0.8 ug/l	ND ug/l
2,4,6-Trichlorophenol	1.2 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Normanstone Creek

Parameter	MDL	Anaylsis Result
(C)Base/Neutral Extractable Compounds		
Acenaphthene	0.80 ug/l	ND ug/l
Acenaphthylene	0.80 ug/l	ND ug/l
Anthracene	0.70 ug/l	ND ug/l
Benzidine	3.6 ug/l	ND ug/l
Benzo(a)anthracene	0.70 ug/l	ND ug/l
Benzo(a)pyrene (Benzo[b]fluoranthene)	0.60 ug/l	ND ug/l
3,4-benzofluoranthene	0.80 ug/l	ND ug/l
Benzo(ghi)perylene	0.70 ug/l	ND ug/l
Benzo(k)fluoranthene	1.3 ug/l	ND ug/l
Bis(2-chloroethoxy)methane	0.90 ug/l	ND ug/l
Bis(2-chloroethyl)ether	1.1 ug/l	ND ug/l
Bis(2-chloroisopropyl)ether	1.4 ug/l	ND ug/l
Bis(2-ethylhexyl)phthalate	0.70 ug/l	ND ug/l
4-bromophenyl-phenylether	0.70 ug/l	ND ug/l
Butylbenzylphthalate	3.6ug/l	ND ug/l
2-Chloronaphthalene	1.0 ug/l	ND ug/l
4-chlorophenyl-phenylether	0.90 ug/l	ND ug/l
Chrysene	0.60 ug/l	ND ug/l
Dibenzo(a,h)anthracene	0.60 ug/l	ND ug/l
1,2-Dichlorobenzene	1.9 ug/l	ND ug/l
1,3-Dichlorobenzene	2.0 ug/l	ND ug/l
1,4-Dichlorobenzene	1.9 ug/l	ND ug/l
3,3'-Dichlorobenzidine	0.80 ug/l	ND ug/l
Diethylphthalate	2.5 ug/l	ND ug/l
Dimethylphthalate	3.7 ug/l	ND ug/l
Di-n-butylphthalate	1.6 ug/l	ND ug/l
2,4-Dinitrotoluene	0.80 ug/l	ND ug/l
2,6-dinitrotoluene	0.80 ug/l	ND ug/l
Di-n-octyl phthalate	1.7 ug/l	ND ug/l
1,2-diphenythydrazine as azobenzene	0.60 ug/l	ND ug/l
Fluroranthene	0.60 ug/l	ND ug/l
Fluorene	0.80 ug/l	ND ug/l
Hexachlorobenzene	0.90 ug/l	ND ug/l
Hexachlorobutadiene	1.9 ug/l	ND ug/l
Hexachlorocyclopentadiene	1.0ug/l	ND ug/l
Hexachloroethane	2.0 ug/l	ND ug/l
Indeno(1,2,3-cd)pyrene	0.60 ug/l	ND ug/l
Isophorone	0.80 ug/l	ND ug/l
Napthalene	1.4 ug/l	ND ug/l
Nitrobenzene	1.0 ug/l	ND ug/l
N-nitrosodimethylamine	0.50 ug/l	ND ug/l
N-nitroso-di-n-propylamine	0.80 ug/l	ND ug/l
N-nitrosodiphenylamine	0.60 ug/l	ND ug/l
Phenanthrene	0.70 ug/l	ND ug/l
Pyrene	0.80 ug/l	ND ug/l
1,2,4-trichlorobenzene	1.6 ug/l	ND ug/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Normanstone Creek

Parameter	MDL	Anaylsis Result
(D)Pesticides/PCBs J = Estimated Value		
Aldrin	0.00030 ug/l	ND ug/l
Alpha-BHC	0.00020 ug/l	ND ug/l
Beta-BHC	0.00020 ug/l	ND ug/l
Gamma-BHC	0.00020 ug/l	ND ug/l
Delta-BHC	0.00020 ug/l	ND ug/l
Chlorodane	0.34 ug/l	ND ug/l
4,4'-DDT	0.00040 ug/l	ND ug/l
4,4'-DDE	0.00020 ug/l	ND ug/l
4,4'-DDD	0.00030 ug/l	ND ug/l
Dieldrin	0.00020 ug/l	0.004 ug/l
Alpha-endosulfan	0.00030 ug/l	ND ug/l
Beta-endosulfan	0.00030 ug/l	ND ug/l
Endosulfan sulfate	0.00030 ug/l	ND ug/l
Endrin	0.00030 ug/l	ND ug/l
Endrin aldehyde	0.00020 ug/l	ND ug/l
Heptachlor	0.00020 ug/l	0.005 ug/l
Heptachlor epoxide	0.00020 ug/l	ND ug/l
PCB-1242	0.4 ug/l	ND ug/l
PCB-1254	0.2 ug/l	ND ug/l
PCB-1221	0.5 ug/l	ND ug/l
PCB-1232	0.5 ug/l	ND ug/l
PCB-1248	0.1 ug/l	ND ug/l
PCB-1260	0.2 ug/l	ND ug/l
PCB-1016	0.3 ug/l	ND ug/l
Toxaphene *****	0.12 ug/l	ND ug/l
PCB-44	0.2 ng/l	0.217 ng/l
PCB-99	0.2 ng/l	0.343 ng/l
PCB-180	0.2 ng/l	0.273 ng/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Normanstone Creek

Parameter	MDL	Anaylsis Result
(E)Metals, Cyanide, and Phenols:		
Antimony, Total	0.002 mg/l	ND mg/l
Arsenic, Total	0.002 mg/l	ND mg/l
Beryllium, Total	0.0005 mg/l	ND mg/l
Cadmium, Total	0.0005 mg/l	ND mg/l
Chromium, Total	0.002 mg/l	ND mg/l
Copper, Total	0.002 mg/l	0.013 mg/l
Lead, Total	0.002 mg/l	ND mg/l
Mercury, Total	0.0002 mg/l	ND mg/l
Nickel, Total	0.002 mg/l	0.004 mg/l
Selenium, Total	0.002 mg/l	ND mg/l
Silver, Total	0.001 mg/l	ND mg/l
Thallium, Total	0.002 mg/l	ND mg/l
Zinc, Total	0.002 mg/l	0.009 mg/l
Cyanide, Total	0.01 mg/l	ND mg/l
Phenols, Total	0.05 mg/l	ND mg/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Normanstone Creek

Parameter	MDL	Anaylsis Result
(F)Conventional Pollutants		
Total suspended solids	10 mg/l	ND mg/l
Total dissolved solids	7 mg/l	270 mg/l
COD	10 mg/l	ND mg/l
BOD_5	2 mg/l	ND mg/l
Oil and Grease	5.0 mg/l	ND mg/l
Fecal coliform	2 MPN	390 org/100ml
Fecal streptococcus	2 MPN	430 org/100ml
Total Kjeldahl nitrogen (TKN)*	0.20 mg/l	ND mg/l
Nitrate + Nitrite ($NO_2 + NO_3$)	0.08 mg/l	3.76 mg/l
Dissolved phosphorous	0.02 mg/l	0.04 mg/l
Total ammonia plus organic nitrogen (NH4+Org. N)	N/A	ND mg/l
Total phosophorous (TP)	0.02 mg/l	0.04 mg/l

Dry Sampling Event #1
Anaylsis Results - Samples

Date of Event: 11/04/03
Location of Sample: Normanstone Creek

Parameter	MDL	Anaylsis Result
(G)Others		
Chlorophyll (a)	0.1 mg/m^3	<6 mg/m^3
Dissolved Oxygen	N/A	8.96 mg/l
Hardness	0.50 mg/l	169 mg/l
Temperature	N/A	16.9 SU
Total Ammonia nitrogen	0.20 mg/l	ND mg/l
Organic nitrogen	N/A	ND mg/l
Total nitrogen	N/A	3.76 mg/l
Dioxin (2,3,7,8-TCDD)	1.3 pg/l	ND pg/l

Total N = NO2 + NO3 +TKN
TKN = NH3 + Organic N
Organic N = TKN-NH3

PORTAL AND 16TH STREET

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Portal & 16th Street

Parameter	MDL	Anaylsis Result
(A)Volatile Organic Compounds		
Acrolein	50 ug/l	ND ug/l
Acrylonitrile	50 ug/l	ND ug/l
Benzene	0.80 ug/l	5.3 ug/l
Bromoform	0.40 ug/l	ND ug/l
Carbon tetrachloride	0.90 ug/l	ND ug/l
Chlorobenzene	0.70 ug/l	ND ug/l
Chlorodibromomethane (Dibromochloromethane)	0.70 ug/l	ND ug/l
Chloroethane	1.5 ug/l	ND ug/l
2-Chloroethlyvinyl ether	0.90 ug/l	ND ug/l
Chloroform	0.60 ug/l	ND ug/l
cis-1,3-Dichloropropene	0.60 ug/l	ND ug/l
Dichlorobromomethane	0.70 ug/l	ND ug/l
1,1-Dichloroethane	1.1 ug/l	ND ug/l
1,2-Dichloroethane	0.50 ug/l	ND ug/l
1,1-Dichloroethylene (1,1-Dichloroethane)	0.80 ug/l	ND ug/l
1,2-Dichloropropane	0.80 ug/l	ND ug/l
1,3-Dichloropropylene (trans-1,3-Dichloropropene)	0.60 ug/l	ND ug/l
Ethylbenzene	0.80 ug/l	3.5 ug/l
Methyl bromide (bromomethane)	1.0 ug/l	ND ug/l
Methyl chloride	0.70 ug/l	ND ug/l
Methylene chloride	0.70 ug/l	ND ug/l
1,1,2,2-Tetrachloroethane	1.1 ug/l	ND ug/l
Tetrachloroethene	1.1 ug/l	ND ug/l
Toluene	0.90 ug/l	22 ug/l
1,2-trans-Dichloroethyle (trans-1,2-Dichloroethane)	0.80 ug/l	ND ug/l
1,1,1-Trichloroethane	0.80 ug/l	ND ug/l
1,1,2-Trichloroethane	0.70 ug/l	ND ug/l
Trichloroethylene	1.0 ug/l	ND ug/l
Vinyl Chloride	1.4 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Portal & 16th Street

Parameter	MDL	Anaylsis Result
(B)Acid Extractable Compounds		
2-Chlorophenol	1.7 ug/l	ND ug/l
2,4-Dichlorophenol	1.5 ug/l	ND ug/l
2,4-Dimethylphenol	1 ug/l	ND ug/l
4,6-Dinitro-o-crestol	3 ug/	ND ug/l
2,4-Dinitrophenol	3.2 ug/l	ND ug/l
2-Nitrophenol	1.6 ug/l	ND ug/l
4-Nitrophenol	0.4 ug/l	ND ug/l
p-Chloro-m-crestol	0.9 ug/l	ND ug/l
Pentachlorophenol	2.9 ug/l	ND ug/l
Phenol	0.8 ug/l	ND ug/l
2,4,6-Trichlorophenol	1.2 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Portal & 16th Street

Parameter	MDL	Anaylsis Result
(C)Base/Neutral Extractable Compounds		
Acenaphthene	0.80 ug/l	ND ug/l
Acenaphthylene	0.80 ug/l	ND ug/l
Anthracene	0.70 ug/l	ND ug/l
Benzidine	3.6 ug/l	ND ug/l
Benzo(a)anthracene	0.70 ug/l	ND ug/l
Benzo(a)pyrene (Benzo[b][luoranthene)	0.60 ug/l	ND ug/l
3,4-benzofluoranthene	0.80 ug/l	ND ug/l
Benzo(ghi)perylene	0.70 ug/l	ND ug/l
Benzo(k)fluoranthene	1.3 ug/l	ND ug/l
Bis(2-chloroethoxy)methane	0.90 ug/l	ND ug/l
Bis(2-chloroethyl)ether	1.1 ug/l	ND ug/l
Bis(2-chloroisopropyl)ether	1.4 ug/l	ND ug/l
Bis(2-ethylhexyl)phthalate	0.70 ug/l	2.7 ug/l
4-bromophenyl-phenylether	0.70 ug/l	ND ug/l
Butylbenzylphthalate	3.6ug/l	ND ug/l
2-Chloronaphthalene	1.0 ug/l	ND ug/l
4-chlorophenyl-phenylether	0.90 ug/l	ND ug/l
Chrysene	0.60 ug/l	ND ug/l
Dibenzo(a,h)anthracene	0.60 ug/l	ND ug/l
1,2-Dichlorobenzene	1.9 ug/l	ND ug/l
1,3-Dichlorobenzene	2.0 ug/l	ND ug/l
1,4-Dichlorobenzene	1.9 ug/l	ND ug/l
3,3'-Dichlorobenzidine	0.80 ug/l	ND ug/l
Diethylphthalate	2.5 ug/l	ND ug/l
Dimethylphthalate	3.7 ug/l	ND ug/l
Di-n-butylphthalate	1.6 ug/l	ND ug/l
2,4-Dinitrotoluene	0.80 ug/l	ND ug/l
2,6-dinitrotoluene	0.80 ug/l	ND ug/l
Di-n-octyl phthalate	1.7 ug/l	ND ug/l
1,2-diphenythydrazine as azobenzene	0.60 ug/l	ND ug/l
Fluroranthene	0.60 ug/l	ND ug/l
Fluorene	0.80 ug/l	ND ug/l
Hexachlorobenzene	0.90 ug/l	ND ug/l
Hexachlorobutadiene	1.9 ug/l	ND ug/l
Hexachlorocyclopentadiene	1.0ug/l	ND ug/l
Hexachloroethane	2.0 ug/l	ND ug/l
Indeno(1,2,3-cd)pyrene	0.60 ug/l	ND ug/l
Isophorone	0.80 ug/l	ND ug/l
Napthalene	1.4 ug/l	ND ug/l
Nitrobenzene	1.0 ug/l	ND ug/l
N-nitrosodimethylamine	0.50 ug/l	ND ug/l
N-nitroso-di-n-propylamine	0.80 ug/l	ND ug/l
N-nitrosodiphenylamine	0.60 ug/l	ND ug/l
Phenanthrene	0.70 ug/l	ND ug/l
Pyrene	0.80 ug/l	ND ug/l
1,2,4-trichlorobenzene	1.6 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Portal & 16th Street

Parameter	MDL	Anaylsis Result
(D)Pesticides/PCBs J = Estimated Value		
Aldrin	0.00030 ug/l	ND ug/l
Alpha-BHC	0.00020 ug/l	ND ug/l
Beta-BHC	0.00020 ug/l	ND ug/l
Gamma-BHC	0.00020 ug/l	ND ug/l
Delta-BHC	0.00020 ug/l	ND ug/l
Chlorodane	0.34 ug/l	ND ug/l
4,4'-DDT	0.00040 ug/l	ND ug/l
4,4'-DDE	0.00020 ug/l	ND ug/l
4,4'-DDD	0.00030 ug/l	ND ug/l
Dieldrin	0.00020 ug/l	ND ug/l
Alpha-endosulfan	0.00030 ug/l	ND ug/l
Beta-endosulfan	0.00030 ug/l	ND ug/l
Endosulfan sulfate	0.00030 ug/l	ND ug/l
Endrin	0.00030 ug/l	ND ug/l
Endrin aldehyde	0.00020 ug/l	ND ug/l
Heptachlor	0.00020 ug/l	ND ug/l
Heptachlor epoxide	0.00020 ug/l	ND ug/l
PCB-1242	0.4 ug/l	ND ug/l
PCB-1254	0.2 ug/l	ND ug/l
PCB-1221	0.5 ug/l	ND ug/l
PCB-1232	0.5 ug/l	ND ug/l
PCB-1248	0.1 ug/l	ND ug/l
PCB-1260	0.2 ug/l	ND ug/l
PCB-1016	0.3 ug/l	ND ug/l
Toxaphene *****	0.12 ug/l	ND ug/l
PCB-66	0.2 ng/l	0.253 ug/l
PCB-95	0.2 ng/l	0.27 ug/l
PCB-105	0.2 ng/l	0.322 ug/l
PCB-110	0.2 ng/l	0.848 ug/l
PCB-118	0.2 ng/l	0.865 ug/l
PCB-128	0.2 ng/l	0.208 ug/l
PCB-132	0.2 ng/l	1.965 ug/l
PCB-138	0.2 ng/l	0.808 ug/l
PCB-149	0.2 ng/l	0.525 ug/l
PCB-153	0.2 ng/l	0.738 ug/l
PCB-180	0.2 ng/l	0.277 ug/l
PCB-196	0.2 ng/l	0.324 ug/l
PCB-208	0.2 ng/l	0.262 ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Portal & 16th Street

Parameter	MDL	Anaylsis Result
(E)Metals, Cyanide and Phenols		
Antimony, Total	0.002 mg/l	ND mg/l
Arsenic, Total	0.002 mg/l	ND mg/l
Beryllium, Total	0.0005 mg/l	ND mg/l
Cadmium, Total	0.0005 mg/l	ND mg/l
Chromium, Total	0.002 mg/l	0.007 mg/l
Copper, Total	0.002 mg/l	0.03 mg/l
Lead, Total	0.002 mg/l	0.013 mg/l
Mercury, Total	0.0002 mg/l	ND mg/l
Nickel, Total	0.002 mg/l	ND mg/l
Selenium, Total	0.002 mg/l	ND mg/l
Silver, Total	0.001 mg/l	ND mg/l
Thallium, Total	0.002 mg/l	ND mg/l
Zinc, Total	0.002 mg/l	0.132 mg/l
Cyanide, Total	0.01 mg/l	ND mg/l
Phenols, Total	0.05 mg/l	ND mg/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Portal & 16th Street

Parameter	MDL	Anaylsis Result
(F)Conventional Pollutants		
Total suspended solids	10 mg/l	60 mg/l
Total dissolved solids	7 mg/l	110 mg/l
COD	10 mg/l	59 mg/l
BOD_5	2 mg/l	10 mg/l
Oil and Grease	5.0 mg/l	ND mg/l
Fecal coliform	2 MPN	9300 org/100ml
Fecal streptococcus	2 MPN	110000 org/100ml
Total Kjeldahl nitrogen (TKN)*	0.20 mg/l	1.3 mg/l
Nitrate + Nitrite ($NO_2 + NO_3$)	0.08 mg/l	1.44 mg/l
Dissolved phosphorous	0.02 mg/l	0.17 mg/l
Total ammonia plus organic nitrogen (NH4+Org. N)	N/A	1.3 mg/l
Total phosophorous (TP)	0.02 mg/l	0.23 mg/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Portal & 16th Street

Parameter	MDL	Anaylsis Result
(G)Others		
Chlorophyll (a)	0.1 mg/m^3	<6 mg/m^3
Dissolved Oxygen	N/A	9.07 mg/l
Hardness	0.50 mg/l	60.5 mg/l
Temperature	N/A	17.5 SU
Total Ammonia nitrogen	0.20 mg/l	0.43 mg/l
Organic nitrogen	N/A	0.87 mg/l
Total nitrogen	N/A	2.74 mg/l
Dioxin (2,3,7,8-TCDD)	1.3 pg/l	ND pg/l

Total N = NO2 + NO3 +TKN
TKN = NH3 + Organic N
Organic N = TKN-NH3

BROAD BRANCH – BROAD BRANCH AND 30TH ST., NW
NEAR THE IVORY COAST EMBASSY

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Broad Branch

Parameter		MDL	Anaylsis Result
(A)Volatile Organic Compounds			
Acrolein		50 ug/l	ND ug/l
Acrylonitrile		50 ug/l	ND ug/l
Benzene		0.80 ug/l	ND ug/l
Bromoform		0.40 ug/l	ND ug/l
Carbon tetrachloride		0.90 ug/l	ND ug/l
Chlorobenzene		0.70 ug/l	ND ug/l
Chlorodibromomethane	(Dibromochloromethane)	0.70 ug/l	ND ug/l
Chloroethane		1.5 ug/l	ND ug/l
2-Chloroethlyvinyl ether		0.90 ug/l	ND ug/l
Chloroform		0.60 ug/l	ND ug/l
cis-1,3-Dichloropropene		0.60 ug/l	ND ug/l
Dichlorobromomethane		0.70 ug/l	ND ug/l
1,1-Dichloroethane		1.1 ug/l	ND ug/l
1,2-Dichloroethane		0.50 ug/l	ND ug/l
1,1-Dichloroethylene	(1,1-Dichloroethane)	0.80 ug/l	ND ug/l
1,2-Dichloropropane		0.80 ug/l	ND ug/l
1,3-Dichloropropylene	(trans-1,3-Dichloropropene)	0.60 ug/l	ND ug/l
Ethylbenzene		0.80 ug/l	ND ug/l
Methyl bromide	(bromomethane)	1.0 ug/l	ND ug/l
Methyl chloride		0.70 ug/l	ND ug/l
Methylene chloride		0.70 ug/l	ND ug/l
1,1,2,2-Tetrachloroethane		1.1 ug/l	ND ug/l
Tetrachloroethene		1.1 ug/l	ND ug/l
Toluene		0.90 ug/l	ND ug/l
1,2-trans-Dichloroethyle	(trans-1,2-Dichloroethane)	0.80 ug/l	ND ug/l
1,1,1-Trichloroethane		0.80 ug/l	ND ug/l
1,1,2-Trichloroethane		0.70 ug/l	ND ug/l
Trichloroethylene		1.0 ug/l	ND ug/l
Vinyl Chloride		1.4 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Broad Branch

Parameter	MDL	Anaylsis Result
(B)Acid Extractable Compounds		
2-Chlorophenol	1.7 ug/l	ND ug/l
2,4-Dichlorophenol	1.5 ug/l	ND ug/l
2,4-Dimethylphenol	1 ug/l	ND ug/l
4,6-Dinitro-o-crestol	3 ug/	ND ug/l
2,4-Dinitrophenol	3.2 ug/l	ND ug/l
2-Nitrophenol	1.6 ug/l	ND ug/l
4-Nitrophenol	0.4 ug/l	ND ug/l
p-Chloro-m-crestol	0.9 ug/l	ND ug/l
Pentachlorophenol	2.9 ug/l	ND ug/l
Phenol	0.8 ug/l	ND ug/l
2,4,6-Trichlorophenol	1.2 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Broad Branch

Parameter	MDL	Anaylsis Result
(C)Base/Neutral Extractable Compounds		
Acenaphthene	0.80 ug/l	ND ug/l
Acenaphthylene	0.80 ug/l	ND ug/l
Anthracene	0.70 ug/l	ND ug/l
Benzidine	3.6 ug/l	ND ug/l
Benzo(a)anthracene	0.70 ug/l	ND ug/l
Benzo(a)pyrene (Benzo[b]fluoranthene)	0.60 ug/l	ND ug/l
3,4-benzofluoranthene	0.80 ug/l	ND ug/l
Benzo(ghi)perylene	0.70 ug/l	ND ug/l
Benzo(k)fluoranthene	1.3 ug/l	ND ug/l
Bis(2-chloroethoxy)methane	0.90 ug/l	ND ug/l
Bis(2-chloroethyl)ether	1.1 ug/l	ND ug/l
Bis(2-chloroisopropyl)ether	1.4 ug/l	ND ug/l
Bis(2-ethylhexyl)phthalate	0.70 ug/l	1.7 ug/l
4-bromophenyl-phenylether	0.70 ug/l	ND ug/l
Butylbenzylphthalate	3.6ug/l	ND ug/l
2-Chloronaphthalene	1.0 ug/l	ND ug/l
4-chlorophenyl-phenylether	0.90 ug/l	ND ug/l
Chrysene	0.60 ug/l	ND ug/l
Dibenzo(a,h)anthracene	0.60 ug/l	ND ug/l
1,2-Dichlorobenzene	1.9 ug/l	ND ug/l
1,3-Dichlorobenzene	2.0 ug/l	ND ug/l
1,4-Dichlorobenzene	1.9 ug/l	ND ug/l
3,3'-Dichlorobenzidine	0.80 ug/l	ND ug/l
Diethylphthalate	2.5 ug/l	ND ug/l
Dimethylphthalate	3.7 ug/l	ND ug/l
Di-n-butylphthalate	1.6 ug/l	ND ug/l
2,4-Dinitrotoluene	0.80 ug/l	ND ug/l
2,6-dinitrotoluene	0.80 ug/l	ND ug/l
Di-n-octyl phthalate	1.7 ug/l	ND ug/l
1,2-diphenythydrazine as azobenzene	0.60 ug/l	ND ug/l
Fluroranthene	0.60 ug/l	ND ug/l
Fluorene	0.80 ug/l	ND ug/l
Hexachlorobenzene	0.90 ug/l	ND ug/l
Hexachlorobutadiene	1.9 ug/l	ND ug/l
Hexachlorocyclopentadiene	1.0ug/l	ND ug/l
Hexachloroethane	2.0 ug/l	ND ug/l
Indeno(1,2,3-cd)pyrene	0.60 ug/l	ND ug/l
Isophorone	0.80 ug/l	ND ug/l
Napthalene	1.4 ug/l	1.7 ug/l
Nitrobenzene	1.0 ug/l	ND ug/l
N-nitrosodimethylamine	0.50 ug/l	ND ug/l
N-nitroso-di-n-propylamine	0.80 ug/l	ND ug/l
N-nitrosodiphenylamine	0.60 ug/l	ND ug/l
Phenanthrene	0.70 ug/l	ND ug/l
Pyrene	0.80 ug/l	ND ug/l
1,2,4-trichlorobenzene	1.6 ug/l	ND ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Broad Branch

Parameter	MDL	Anaylsis Result
(D)Pesticides/PCBs J = Estimated Value		
Aldrin	0.00030 ug/l	ND ug/l
Alpha-BHC	0.00020 ug/l	ND ug/l
Beta-BHC	0.00020 ug/l	ND ug/l
Gamma-BHC	0.00020 ug/l	ND ug/l
Delta-BHC	0.00020 ug/l	ND ug/l
Chlorodane	0.34 ug/l	ND ug/l
4,4'-DDT	0.00040 ug/l	0.012 ug/l
4,4'-DDE	0.00020 ug/l	ND ug/l
4,4'-DDD	0.00030 ug/l	ND ug/l
Dieldrin	0.00020 ug/l	0.002 ug/l
Alpha-endosulfan	0.00030 ug/l	ND ug/l
Beta-endosulfan	0.00030 ug/l	ND ug/l
Endosulfan sulfate	0.00030 ug/l	ND ug/l
Endrin	0.00030 ug/l	ND ug/l
Endrin aldehyde	0.00020 ug/l	ND ug/l
Heptachlor	0.00020 ug/l	ND ug/l
Heptachlor epoxide	0.00020 ug/l	ND ug/l
PCB-1242	0.4 ug/l	ND ug/l
PCB-1254	0.2 ug/l	ND ug/l
PCB-1221	0.5 ug/l	ND ug/l
PCB-1232	0.5 ug/l	ND ug/l
PCB-1248	0.1 ug/l	ND ug/l
PCB-1260	0.2 ug/l	ND ug/l
PCB-1016	0.3 ug/l	ND ug/l
Toxaphene *****	0.12 ug/l	ND ug/l
PCB-18	0.2 ng/l	0.287 ug/l
PCB-28	0.2 ng/l	0.635 ug/l
PCB-49	0.2 ng/l	0.655 ug/l
PCB-87	0.2 ng/l	0.217 ug/l
PCB-91	0.2 ng/l	0.393 ug/l
PCB-95	0.2 ng/l	0.459 ug/l
PCB-97	0.2 ng/l	0.48 ug/l
PCB-99	0.2 ng/l	0.546 ug/l
PCB-110	0.2 ng/l	0.62 ug/l
PCB-136	0.2 ng/l	0.442 ug/l
PCB-138	0.2 ng/l	0.491 ug/l
PCB-149	0.2 ng/l	0.243 ug/l
PCB-153	0.2 ng/l	0.27 ug/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Broad Branch

Parameter	MDL	Anaylsis Result
(E)Metals, Cyanide and Phenols		
Antimony, Total	0.002 mg/l	ND mg/l
Arsenic, Total	0.002 mg/l	0.002 mg/l
Beryllium, Total	0.0005 mg/l	ND mg/l
Cadmium, Total	0.0005 mg/l	0.0008 mg/l
Chromium, Total	0.002 mg/l	0.013 mg/l
Copper, Total	0.002 mg/l	0.092 mg/l
Lead, Total	0.002 mg/l	0.028 mg/l
Mercury, Total	0.0002 mg/l	ND mg/l
Nickel, Total	0.002 mg/l	0.021 mg/l
Selenium, Total	0.002 mg/l	ND mg/l
Silver, Total	0.001 mg/l	ND mg/l
Thallium, Total	0.002 mg/l	ND mg/l
Zinc, Total	0.002 mg/l	0.128 mg/l
Cyanide, Total	0.01 mg/l	ND mg/l
Phenols, Total	0.05 mg/l	ND mg/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Broad Branch

Parameter	MDL	Anaylsis Result
(F)Conventional Pollutants		
Total suspended solids	10 mg/l	105 mg/l
Total dissolved solids	7 mg/l	208 mg/l
COD	10 mg/l	112 mg/l
BOD_5	2 mg/l	23 mg/l
Oil and Grease	5.0 mg/l	ND mg/l
Fecal coliform	2 MPN	24000 org/100ml
Fecal streptococcus	2 MPN	>=240000 org/100ml
Total Kjeldahl nitrogen (TKN)*	0.20 mg/l	2.1 mg/l
Nitrate + Nitrite ($NO_2 + NO_3$)	0.08 mg/l	1.81 mg/l
Dissolved phosphorous	0.02 mg/l	0.54 mg/l
Total ammonia plus organic nitrogen (NH4+Org. N)	N/A	2.1 mg/l
Total phosophorous (TP)	0.02 mg/l	0.53 mg/l

Wet Sampling Event #1
Anaylsis Results - Samples

Date of Event: 10/14/03
Location of Sample: Broad Branch

Parameter	MDL	Anaylsis Result
(G)Others		
Chlorophyll (a)	0.1 mg/m^3	<6 mg/m^3
Dissolved Oxygen	N/A	8.65 mg/l
Hardness	0.50 mg/l	114 mg/l
Temperature	N/A	17.9 SU
Total Ammonia nitrogen	0.20 mg/l	0.8 mg/l
Organic nitrogen	N/A	1.3 mg/l
Total nitrogen	N/A	3.91 mg/l
Dioxin (2,3,7,8-TCDD)	1.3 pg/l	ND pg/l

Total N = NO2 + NO3 +TKN
TKN = NH3 + Organic N
Organic N = TKN-NH3

APPENDIX J

ESTIMATION OF RUNOFF COEFFICIENTS FOR THE MONITORED SEWERSHEDS

Estimation of Runoff Coefficients for the Monitored Sewersheds

Runoff coefficients were estimated for each of the eight sewersheds contributing flow to the Rock Creek monitoring sites.

The runoff coefficients were estimated based on the impervious area within each District zoning category. The methodology used is as follows.

1. Information regarding each zoning category was obtained from the District's zoning web site, www.dcoz.dcgov.org/info/map.shtm.
2. The maximum occupancy of the lot for each zoning category was assumed to be covered by an impervious surface (from the structure(s)).
3. An additional percentage of the remaining unoccupied lot area was assumed to be covered by a driveway surface.
4. The average runoff coefficient for each zoning category was estimated using Equation 3 on page 5-16 of the "*Guidance Manual for the Preparation of Part 2 of the NPDES Permit Applications for Discharges from Municipal Separate Storm Sewer Systems", 1992.* The equation is as follows:

$$\mathbf{C_i = 0.05 + 0.009 * I} \qquad \textbf{(Equation 3)}$$

Where: C_i = Runoff Coefficient
I = Percent imperviousness

The zoning category, maximum occupancy, driveway occupancy, and estimated C_i factor are given in Table 1.

5 Information from the District zoning maps (obtained from the web site) was synthesized with the sewershed area maps for each monitoring station, allowing the determination of the total land area for each zoning category found within each sewershed.

6 The weighted average runoff coefficient for each sewershed was determined using Equation 2 on page 5-16 of the the "*Guidance Manual for the Preparation of Part 2 of the NPDES Permit Applications for Discharges from Municipal Separate Storm Sewer Systems", 1992.* The equation is as follows:

$$\mathbf{C\,i_w = (\Sigma A_i * \ C\,i_i) / (\Sigma A_i)} \qquad \textbf{(Equation 2)}$$

Where: $C\,i_w$ = Weighted Average Runoff Coefficient
$C\,i_i$ = Average Runoff Coefficient for each zoning type
A_i = Catchment area (acres) for each zoning type

The weighted runoff coefficient for each monitoring site is estimated in Table 2.

TABLE 1. ESTIMATED OF THE RUNOFF COEFFICIENT FOR DISTRICT LAND USE ZONING CATEGORIES.

Land Use-Zoning		Maximum Occupancy	Driveway Occupancy	Total Impervious	C_i factor= 0.05+0.009*I
C-1	Neighborhood Shopping	60	20	80	0.77
C-2-A	Community business center-low moderate density	60	20	80	0.77
C-2-B	Community business center -medium density	80	20	100	0.95
C-2-C	Community business center- high density	80	20	100	0.95
C-3-A	Medium bulk major business and employment	75	20	95	0.905
C-3-B	Medium bulk major business and employment	100		100	0.95
C-3-C	High Bulk major business and employment	100		100	0.95
C-4	Central Business district	100		100	0.95
C-5	(PAD) Pennsylvania Avenue Development	100		100	0.95
C-M-1	Low Bulk commercial and light manufacturing	100		100	0.95
C-M-2	Medium bulk commercial and light manufacturing	100		100	0.95
C-M-3	High bulk commercial and light manufacturing	100		100	0.95
CR	Mixed residential, retail, offices & light industrial uses	75	20	95	0.905
M	General industry	100		100	0.95
R-1-A	Single family detached dwellings	40	10	50	0.5
R-1-B	Single family detached dwellings	40	10	50	0.5
R-2	Single family detached dwellings	40	10	50	0.5
R-3	Row dwellings & flats	60	15	75	0.725
R-4	Row dwellings & flats	60	15	75	0.725
R-5-A	Low density apartments	60	20	80	0.77
R-5-B	Moderate density apartment houses	60	20	80	0.77
R-5-C	Medium density apartment houses	75	20	95	0.905
R-5-D	Medium-High density apartment houses	75	20	95	0.905
R-5-E	High density	75	20	95	0.905
SP-1	Medium density residential/limited office	80	15	95	0.905
SP-2	Medium density residential/limited office	80	15	95	0.905
W-1	Low density mixed residential-commercial	80	15	95	0.905
W-2	Medium density mixed residential-commercial	75	20	95	0.905
W-3	High density mixed residential-commercial	75	20	95	0.905

TABLE 2. WEIGHTED RUNOFF COEFFICIENT FOR THE MONITORED SEWERSHEDS.

Monitoring Site	Sub-area	Zone	C-factor	% of Area	$C i_w$
MS-1 Walter Reed	1	Gov	0.65	55	
	2	Park	0.45	10	
	3	R-1-A	0.50	35	
				Totals:	**0.58**
MS-2 Military Rd & Beach Dr.	1	R-1-B	0.5	40	
	2	R-5-A	0.77	20	
	3	Park	0.45	40	
				Totals:	**0.53**
MS-3 Soapstone Creek (Connecticut & Albemarle St.)	1	Park	0.45	20	
	2	R-1-A&B	0.50	70	
	3	R-5-A	0.77	10	
				Totals:	**0.52**
MS-4 Melvin Hazen Valley Branch (Melvin Hazen Park & Quebec St.)	1	R-1-A&B	0.5	70	
	2	Gov/Park	0.45	20	
	3	R-5-D	0.91	10	
				Totals:	**0.53**
MS-5 Klingle Valley Creek (Devonshire Pl. & 30th St.)	1	R-1-A	0.5	50	
	2	Gov	0.77	20	
	3	Park/Gov	0.45	20	
	4	C-2-A	0.77	10	
				Totals:	**0.49**
MS-6 Normanstone Creek (Normanstone Dr. & Normanstone Pkwy.)	1	R-1-A	0.5	80	
	2	R-5-B	0.77	5	
	3	Gov	0.65	15	
				Totals:	**0.54**
MS-7 Portal & 16th St.	1	R-1-A	0.50	90	
	2	Gov	0.45	10	
				Totals:	**0.49**
MS-8 Broad Branch	1	R-1-A	0.5	70	
	2	Park	0.5	20	
	3	R-5-D	0.77	10	
				Totals:	**0.53**