

EXHIBIT F

2005 ANNUAL REPORT
CRRA WATERBURY BULKY WASTE LANDFILL



May 10, 2006

RECEIVED

MAY 11 2006

**CRA
ENVIRONMENTAL**

Mr. Christopher Shepard
Connecticut Resources Recovery Authority
100 Constitution Plaza, 6th Floor
Hartford, CT 06103-1702

**RE: 2005 Annual Monitoring Report
CRA/Waterbury Bulky Waste Landfill
Waterbury, CT
DES Project No. 1633**

Dear Mr. Shepard:

Please find enclosed the finalized 2005 Annual Monitoring Report for the Waterbury Bulky Waste Landfill. Copies of this report were hand delivered to the Bureau of Waste Management – Landfill Monitoring Coordinator at the CTDEP.

Please feel free to call me at (860) 621-3630 if you have any questions.

Very truly yours,

Derek J. Albertson
Principal

Diversified Environmental Services, Inc.

Enclosure
c: Landfill Monitoring Coordinator, Bureau of Waste Management, CTDEP

January 2006

DES Project No. 1633



Diversified Environmental Services
806 West Queen Street
Southington, Connecticut 06489

Prepared By:

Connecticut Resources Recovery Authority
One Constitution Plaza, 6th floor
Hartford, Connecticut

Prepared For:

2005 ANNUAL REPORT
CRA WATERBURY BULKY WASTE LANDFILL
WATERBURY, CONNECTICUT

LIBRARY COPY

Landfill Monitoring Report Transmittal



LANDFILL MONITORING COORDINATOR
 BUREAU OF WASTE MANAGEMENT
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 79 ELM STREET
 HARTFORD, CT 06106-5127

Please submit all monitoring information for each monitoring period in one package with this transmittal form to the address specified above. Please submit complete monitoring reports, NOT partial reports.

Part I: Landfill Information

1. Landfill Name: **Waterbury Bulky Waste Landfill**
 Landfill Site Address: **Intersection of Highland Ave. and Highview St.**
 City/Town: **Waterbury**
 Site I.D. Number (if applicable): **Not Applicable**

2. Owner of the Landfill: **Connecticut Resources Recovery Authority (CRA)**
 Mailing Address: **100 Constitution Plaza, 6th Floor**
 City/Town: **Hartford**
 Business Phone: **860-757-7706**
 Contact Person: **Christopher Shepard, P.E.**
 E-mail: **cshepard@crra.o**
 Date of issuance: **03/10/1983**

3. Solid Waste Permit #: **151-B (as amended)**
 Solid Waste Operation and Management Plan Title:
Op. and Mgmt. Plan for Disposal of Bulky Waste
 Groundwater Discharge Permit #: **Not Applicable**
 Order Number: **Not Applicable**

Date of issuance: _____
 Date of issuance: **Jan. 1983**

Part II: Submittal Information

1. Year of Submittal: **2005**
 1st Quarter Report
 2nd Quarter Report
 3rd Quarter Report
 4th Quarter Report
 1st Semiannual Report
 2nd Semiannual Report
 Annual Report
 Other: Specify: _____

2. Submitter Name: **Diversified Environmental Services, Inc.**
 Mailing Address: **806 West Queen Street**
 City/Town: **Southington**
 Business Phone: **860-621-3630**
 ext. **12**
 Fax: **860-621-0067**
 State: **CT**
 Zip Code: **06489**
 E-mail: **dalbertson@desc**

Part III: Monitoring Program

Check the appropriate box(es).

Drinking Water Wells Sampled
 Surface Water Sampled
 Monitoring Wells Sampled

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1.0 Introduction

This report contains a summary of the results of the four quarterly groundwater-sampling events conducted at the Waterbury Bulky Waste Landfill during the calendar year of 2005. This report summarizes the laboratory analysis and the field activities conducted on behalf of the Connecticut Resources Recovery Authority (CRRRA) by Diversified Environmental Services, Inc. (DES) under contract number 053401 for the January 2005, April 2005, July 2005 and October 2005 sampling events. The monitoring program requires the collection and analysis of the groundwater obtained from a network of four monitoring wells. Details of these wells can be viewed in Monitoring Well Details.

2.0 Field Activities

The 2005 monitoring program included four monitoring wells (MW-A, MW-B, MW-C and MW-4B). The monitoring well details are summarized in Table 1. Table 2 summarizes the field parameters and analytical parameters of the landfill monitoring program.

2.1 Equipment Calibration

Prior to field activities, DES calibrated a Horiba U22 meter, equipped with a flow-through cell for field measurement of dissolved oxygen (DO), turbidity, pH, oxygen reduction potential (ORP), specific conductivity and temperature.

2.2 Well Volume

Groundwater elevation and water volume were measured using a battery operated Solinst Model 12169 electronic/acoustic water level indicator. When the Solinst probe contacts the well water surface, a sound is generated and the depth to water is read off the graduated tape. The probe is then advanced to the bottom of the well to determine the height of the water column. Once the height of the water column is known, the volume of water is calculated using the following equation:

$$\text{Volume: } V(\text{inches}^3) = (D_b - D_w) \times 12 \times \pi^2$$

$$V(\text{liters}) = V(\text{in}^3) \times 0.016387$$

$$\text{Purge Volume} = V(\text{liters}) \times 3$$

Where:

D_b = Depth to Bottom, ft.

D_w = Depth to Water, ft.

V = Volume

r = Radius of PVC Casing, in.

Each individual well was purged with a dedicated pump tubing and/or disposable bailers, therefore, no field decontamination was required, except for the water level indicator which was tripled rinsed with a deionized water rinse. The Horiba was rinsed between sample locations with deionized water. Additionally, between sampling events the Horiba was soaked in an alconox solution, tap rinsed and then rinsed with deionized water.

2.7 Field Equipment Decontamination

While collecting samples, field personnel made note of the monitoring well conditions. The condition assessment included condition of the protective casing, PVC riser, concrete surrounding the casing, locking mechanisms and overall well security. With respect to well conditions during 2005, the lock latch on MW-A has been broken and needs repair (note that this well has been equipped with a locking expandable plug until the repair can be completed). Additionally, the PVC casing is above the top of the steel protective casing. The lock latch on MW-C is also in need of repair.

2.6 Well Conditions

Depth to bottom and depth to water measurements were measured in monitoring wells, MW-A, MW-B, MW-C and MW-4B on a quarterly basis in January, April, July and October. The monitoring well network has demonstrated the groundwater flow on the property in a general south, southeasterly direction in all of the four sampling events conducted in 2005.

2.5 Groundwater Flow Direction

Samples were collected directly into laboratory supplied, pre-preserved sample containers. Sample containers were stored in an iced cooler until transported to York Analytical Laboratory, Inc. (York) in Stratford, Connecticut. Samples were relinquished to the laboratory sample custodian following the chain of custody protocol.

2.4 Sampling

Once the well volumes were calculated, the desired quantity of water was purged using dedicated pump tubing and/or polyethylene disposable bailers. The bailers were carefully lowered to the approximate center of the screened interval and retrieved. The groundwater was checked for the standard indicator parameters. Indicator parameters included turbidity, dissolved oxygen, pH, conductivity, oxidation/reduction potential and temperature.

2.3 Purging Methodology

3.0 Site Status

The CRA Waterbury Bulky Waste Landfill lies within the Housatonic Major Drainage Basin and the Naugatuck River Regional Drainage Basin. The site consists of a GA Groundwater Classification area and an A Surface Water Classification area. The site is bordered by a GB Groundwater Classification area to the south (south of the abandoned railroad right of way). Soil found on the site consists of primarily glacial till (Ronald Haested, 1983) that ranges from coarser textures in the upper elevations to finer soils in the lower areas of the site. Bedrock on the site is composed of fine to medium grain gneiss ranging in color from light to dark gray. This is characteristic of the Waterbury Formation mapped by Gates and Martin (1967). A bedrock outcropping is located approximately 500 feet east of the landfill and is currently the site of quarrying operations.

There are four monitoring wells (MW-A, MW-B, MW-C, and MW-4B) located on the site. Monitoring well MW-A is located up gradient from the landfill and is an overburden (shallow aquifer) well. Monitoring wells MW-B and MW-C are located down gradient and are also both overburden wells. MW-4B is located down gradient and is a bedrock well, screened into shallow bedrock. Monitoring wells MW-A, MW-B and MW-C are 2 inch diameter wells, while MW-4B is a 1.5 inch diameter well.

4.0 Analytical Results

The analytical results of the samples collected during the 2005 monitoring events are summarized in Table 3. The following provides a brief overview of analyte exceedances of referenced standards (i.e., Primary and Secondary Drinking Water Standards) during each quarter. The Primary and Secondary Drinking Water Standards are used only as reference standards, since there are no known potable wells in the area.

January 2005 Exceedances:
pH
MW-A, MW-4B
Turbidity
MW-A, MW-B, MW-C, MW-4B
Total Dissolved Solids
MW-B, MW-C
Dissolved Manganese
MW-B, MW-C

April 2005 Exceedances:
pH
MW-A, MW-C, MW-4B
Turbidity
MW-A, MW-B, MW-C, MW-4B
Dissolved Manganese
MW-A, MW-C, MW-4B

July 2005 Exceedances:
pH:
MW-A, MW-B, MW-C, MW-4B

Monitoring wells MW-B and MW-C are directly down gradient of the landfill and represent the last monitoring points prior to offsite migration of the groundwater. The historical charts provided at the end of this report indicate concentrations of all monitored analytes over the course of the last nine years. There were a few notable trends in 2005:

Based on the sampling and analysis, it appears that the groundwater downgradient of the former bulky waste landfill has been impacted from the site. There were exceedances of primary or secondary standards of pH, turbidity, total dissolved solids, dissolved iron, and/or dissolved manganese in one or more of the wells. Monitoring well MW-C showed the greatest number of exceedances. The background well (MW-A) contained sporadic exceedances of pH, turbidity, and dissolved manganese. The BOD5 concentration in MW-C spiked in July 2005, and then returned to historic concentrations. The COD in MW-C concentrations also spiked in July 2005 and then began to return to normal concentrations in October 2005.

Four groundwater monitoring wells, MW-A, MW-B, MW-C and MW-4B, were sampled on a quarterly basis in January, April, July and October. The groundwater quality data collected during the 2005 calendar year are generally consistent with previous results. The monitoring well monitoring network has demonstrated the groundwater flow on the property in a general south, southeasterly direction in all of the four sampling events conducted in 2005.

5.0 Conclusions

Quality Assurance/Quality Control samples were collected from one well during each sampling event. Quality Assurance/Quality Control samples included a duplicate sample. The duplicate groundwater sample collected from monitoring well MW-CC during the July event contained concentrations of manganese that varied from the primary sample. The variability in the duplicate samples appeared to be due to the slow recharge of that well preventing homogeneity in the groundwater samples. The remainder of the QA/QC samples were generally consistent with the samples collected from the same wells.

October 2005 Exceedances:

pH: MW-A, MW-C, MW-4B
Turbidity MW-A, MW-B, MW-C, MW-4B
Dissolved Iron: MW-C
Dissolved Manganese: MW-B, MW-C

Turbidity MW-A, MW-B, MW-C, MW-4B
Dissolved Iron: MW-B, MW-4B
Dissolved Manganese: MW-B, MW-C (Duplicate Sample Only), MW-4B

Dissolved Manganese: MW-B has historically had wide fluctuations of dissolved manganese (range 0-10 mg/L). In 2005, MW-B continued to show high values (range 0.281 mg/L to 5.66 mg/L). MW-C has shown increasing values for dissolved manganese throughout the year (0.024 mg/L in July 2005 to 3.86 mg/L in October 2005). Monitoring well MW-A contained dissolved manganese (0.068 mg/L) above the standard of 0.05 mg/L in April 2005. The duplicate sample collected from MW-C during July 2005 contained an elevated concentration of dissolved manganese.

Dissolved Iron: Dissolved iron levels in MW-A and MW-B have remained fairly stable, while the dissolved iron level in MW-C (and MW-3 historically) exhibited a stabilizing trend with a spike (9.69 mg/L) in October 2005. The concentrations of iron in MW-4B were generally consistent with historical data, with the exception of a spike to 6.42 mg/L in July 2005.

Ammonia as Nitrogen: During the past four years, concentrations of ammonia have consistently fluctuated for all four wells. Monitoring wells MW-A has shown a decrease over the past three years from its high in July 2002. A spike of 2.94 mg/L was detected in MW-C in July of 2003. The ammonia concentration in MW-C decreased to historic concentrations over the past two years. Ammonia concentrations in the wells do not present a threat to water quality.

Nitrate as Nitrogen: Drinking water standards have set values for nitrate as nitrogen of 10.0 mg/L. None of the 2005 concentrations measured in the four wells have approached the limit. The highest concentration was in monitoring well MW-A which contained 3.22 mg/L in January 2005, which is generally consistent with historic trends. Monitoring well MW-B has sporadic readings, but averages less than 1.0 mg/L, as does MW-C. In bedrock well MW-4B, the concentrations ranged from 1.60 mg/L in July 2005 to 2.39 mg/L in April 2005 and are generally higher than nitrate levels in MW-B and MW-C.

Biological Oxygen Demand: The historical chart for BOD illustrates fluctuations in BOD measured in the last three years for all wells, with average concentrations higher than past years. The concentration in MW-C spiked in July 2005 to 152 mg/L, and then returned to historic levels.

Chemical Oxygen Demand: Chemical oxygen demand is typically a more accurated measure of microbial activity than biological oxygen demand. Comparing trends in the two parameters illustrates very similar results. MW-B generally exhibits greater COD levels than the other 3 wells, however, monitoring well MW-C has shown an increasing trend with a spike in July 2005 to 1522 mg/L, but decreased in October 2005 to 82.6 mg/L. There is an apparent upward trend in MW-C. Monitoring well MW-C will continue to be monitored, along with MW-B, to determine if any upward

trend is apparent. No obvious trends can be detected from the other 2 wells.

6.0 Recommendations

It is recommended that the current monitoring program continue with no changes.



May 10, 2006

Mr. Christopher Shepard
Connecticut Resources Recovery Authority
100 Constitution Plaza, 6th Floor
Hartford, CT 06103-1702

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CRR/Waterbury Bulky Waste Landfill
Waterbury, CT
DES Project No. 1633

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Very truly yours,

Derek J. Albertson

Principal
Diversified Environmental Services, Inc.

Enclosure
cc: Landfill Monitoring Coordinator, Bureau of Waste Management, CTDEP

Landfill Monitoring Report Transmittal

LANDFILL MONITORING COORDINATOR
 BUREAU OF WASTE MANAGEMENT
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 79 ELM STREET
 HARTFORD, CT 06106-5127



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 Landfill Site Address: Intersection of Highland Ave. and Highview St.
 City/Town: Waterbury
 Site I.D. Number (if applicable): Not Applicable

2. Owner of the Landfill: Connecticut Resources Recovery Authority (CRA)
 Mailing Address: 100 Constitution Plaza, 6th Floor
 City/Town: Hartford
 Business Phone: 860-757-7706
 Contact Person: Christopher Shepard, P.E.
 E-mail: cshepard@crra.o
 State: CT Zip Code: 06103-1722
 Business Phone: 860-757-7742
 Fax: 860-757-7742
 Date of issuance: 03/10/1983
 Date: Jan. 1983

3. Solid Waste Permit #: 151-B (as amended)
 Solid Waste Operation and Management Plan Title:
 Op. and Mgmt. Plan for Disposal of Bulky Waste
 Groundwater Discharge Permit #: Not Applicable
 Order Number: Not Applicable
 Date of issuance:

Part II: Submittal Information

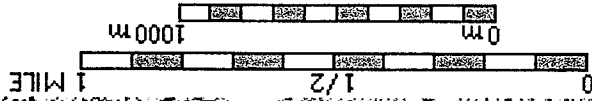
1. Year of Submittal: 2005
 1st Quarter Report
 2nd Quarter Report
 3rd Quarter Report
 4th Quarter Report
 1st Semiannual Report
 2nd Semiannual Report
 Annual Report
 Other: Specify:

2. Submitter Name: Diversified Environmental Services, Inc.
 Mailing Address: 806 West Queen Street
 City/Town: Southington
 Business Phone: 860-621-3630
 Contact Person: Derek J. Albertson
 E-mail: dalbertson@desc

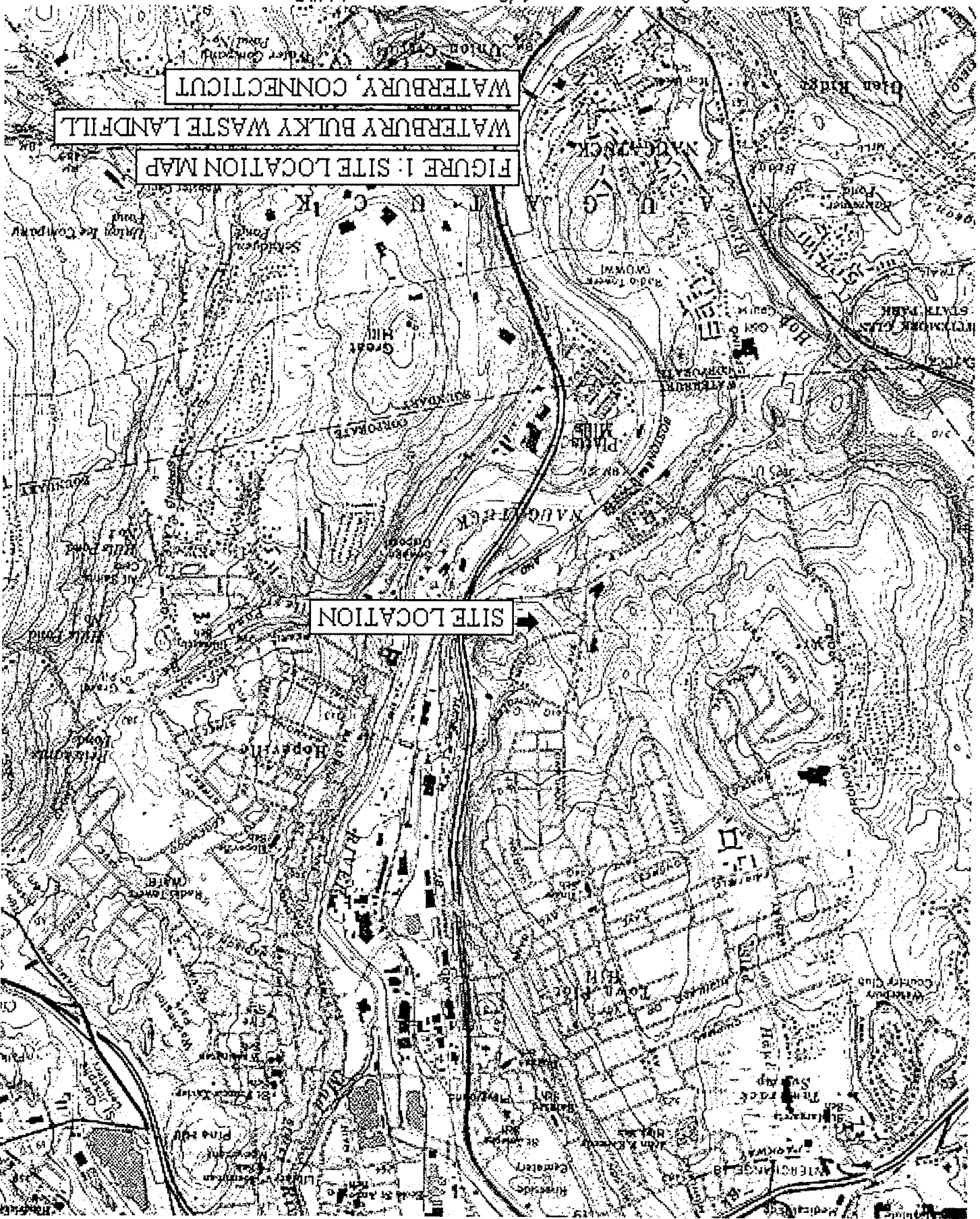
Part III: Monitoring Program

Check the appropriate box(es).
 Drinking Water Wells Sampled
 Surface Water Sampled
 Monitoring Wells Sampled

MIN TN
14%



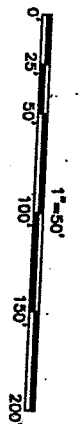
WATERBURY, CONNECTICUT
 WATERBURY BULKY WASTE LANDFILL
 FIGURE 1: SITE LOCATION MAP



CRRRA WATERBURY BULKY WASTE LANDFILL
WATERBURY, CONNECTICUT

REV. No.	1
DESCRIPTION	CRRRA UPDATE TO NOTES, MW-3, MW-C

SCALE IN FEET



DATE	7/15/04
BY	CRS

CHECKED BY: JDC (DES)
REVIEWED BY: BCM (DES)

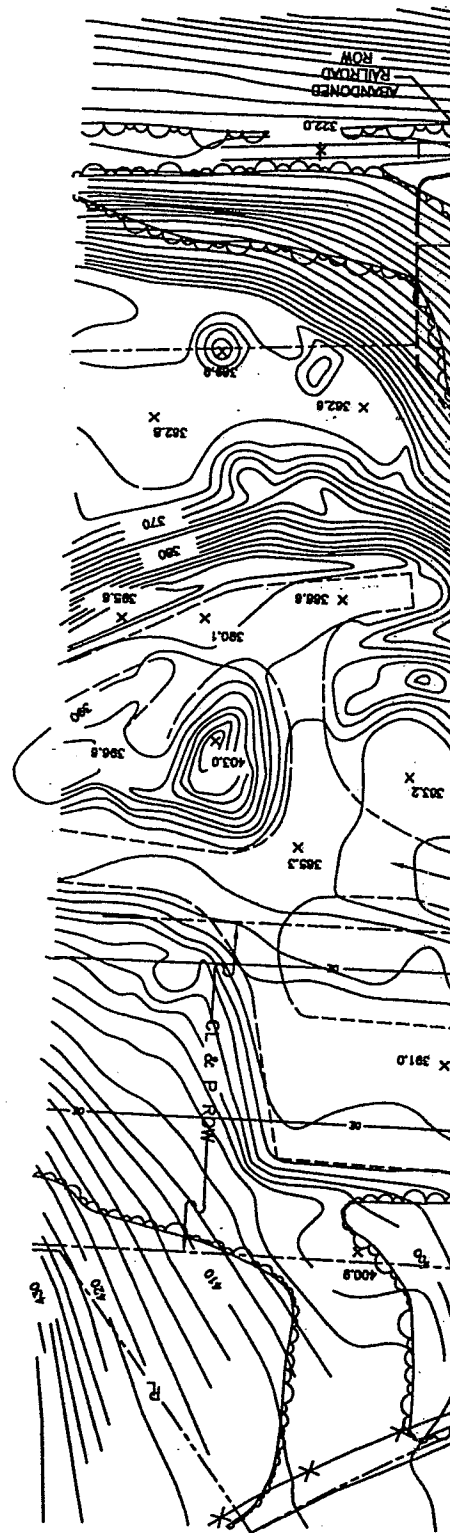
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SCALE: 1"=50'
DATE: AUGUST 1, 1991

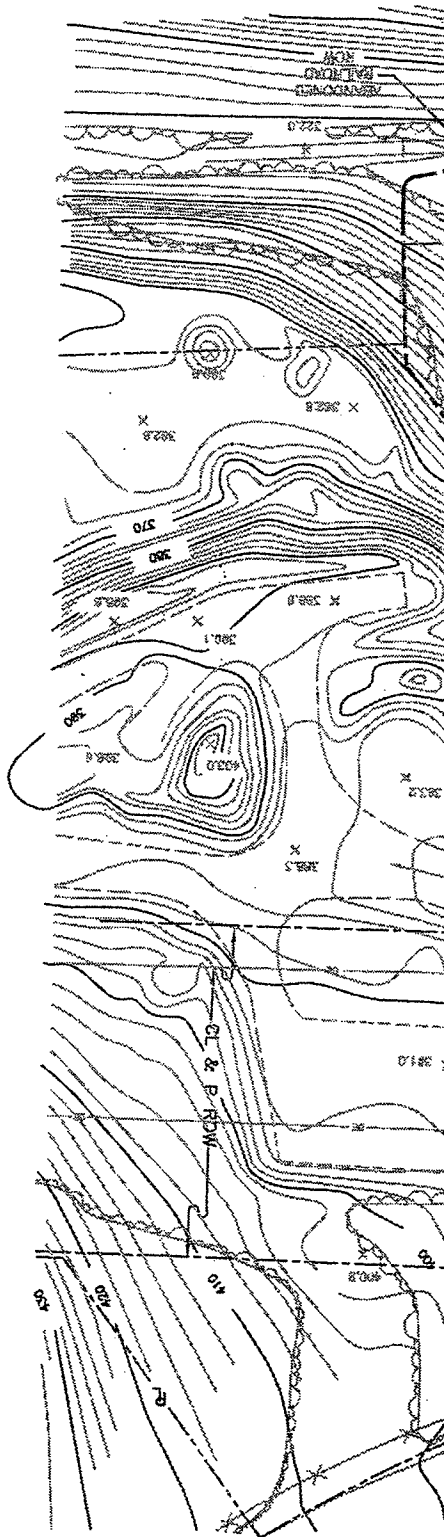
FIGURE 2: SITE LAYOUT MAP
WATERBURY BULKY WASTE LANDFILL
WATERBURY, CONNECTICUT

- LEGEND:**
- R- EXISTING PROPERTY LINE
 - - - - - PERIMETER LIMITS OF EXISTING PERMITTED AREA FOR LANDFILL
 - - - - - EXISTING CONTOUR (DASHED WHEN OUTSIDE OF SURVEY LIMITS)
 - - - - - EXISTING DIRT ROAD
 - - - - - EXISTING OVERHEAD ELECTRIC LINE
 - - - - - EXISTING EDGE OF WOODED/SHRUB AREA
 - - - - - EXISTING DRAINAGE SWALE
 - - - - - EXISTING HEADWALL/EDGWALL
 - - - - - EXISTING CONNECTOUT LIGHT AND POWER POLE
 - - - - - EXISTING SPOT ELEVATION
 - - - - - EXISTING LIMITS OF WASTE MARKER
 - - - - - EXISTING MONITORING WELL LOCATION AND IDENTIFICATION (BY OTHERS)
 - - - - - EXISTING MONITORING WELL LOCATION AND IDENTIFICATION (BY GENERAL BORINGS, INC.)
 - - - - - EXISTING CATCH BASIN
 - - - - - EXISTING DRAINAGE MANHOLE
 - - - - - EXISTING SEWER MANHOLE
 - - - - - ABANDONED MONITORING WELL
 - X 362.8 EXISTING POINT ELEVATION
 - WELL A
 - WELL B
 - WELL C
 - D.M.H.
 - S.M.H.

NOTES:

- 1) BASE MAP DEVELOPED FROM SEPTEMBER 1990 AERIAL PHOTOGRAMMETRY PLANS RECEIVED IN DIGITIZED FORM FROM DECARO & DOLL, INC. ENTITLED "TOPOGRAPHIC SURVEY, CRRRA WATERBURY LANDFILL, AND TRIP FILE # CRR/784 INDC." ?
- 2) PROPERTY LINES PER "PLAN PREPARED FOR CRRRA WATERBURY, SHEET No. 1 OF 17 DATED APRIL 5, 1990 BY RISS & ONEILL, INC. AND BEARING CLASS A2 ? CERTIFICATION AND STAMP OF LAWRENCE R. GIBBER, SR., LICENSED LAND SURVEYOR No. 12327." ?
- 3) MONITORING WELLS 3 AND 4 INSTALLED BY GZA PERSONNEL, MONITORING WELLS A AND B THROUGH 5, 1991, OBSERVED BY GZA PERSONNEL, MONITORING WELLS A AND B INSTALLED PREVIOUSLY BY OTHERS. ?
- 4) THE LOCATION OF MONITORING WELLS A, B, 3, AND 4 WERE TAKEN FROM PLAN PROVIDED BY DECARO & DOLL, INC. ENTITLED "MONITORING WELL LOCATION PLAN, CRRRA LANDFILL" ? DATED JULY 11, 1991, ORIGINAL SCALE 1"=50', JOB No. 8079404, FILE No. B-483.
- 5) MONITORING WELL MW-3 WAS ABANDONED ON JANUARY 14, 2002 AND REPLACED IN THE MONITORING NETWORK WITH MW-C, WHICH IS A WELL OF SLAG/CLAY CONSTRUCTION. MW-C WAS INSTALLED ON JANUARY 14, 2002 BY SOLTESTING, INC. INSTALLATION OF MW-C WAS OBSERVED BY ANALYTICAL CONSULTING TECHNOLOGY, INC. THE LOCATION OF MW-C IS BASED ON THE SITE MONITORING REPORT.
- 6) MONITORING REPORT.





- LEGEND:**
- EXISTING PROPERTY LINE
 - PERMETER LIMITS OF EXISTING PERMITTED AREA FOR LANDFILL
 - EXISTING CONTOUR (DASHED WHEN OUTSIDE OF SURVEY LIMITS)
 - EXISTING DIRT ROAD
 - EXISTING OVERHEAD ELECTRIC LINE
 - EXISTING EDGE OF WOODED/GRASS AREA
 - EXISTING DRAINAGE SWALE
 - EXISTING HEADWALL/ENDWALL
 - EXISTING CONNECTOUT LIGHT AND POWER POLE
 - EXISTING SPOT ELEVATION
 - EXISTING LIMITS OF WASTE MARKER
 - EXISTING MONITORING WELL LOCATION AND IDENTIFICATION (BY OTHERS)
 - EXISTING MONITORING WELL LOCATION AND IDENTIFICATION (BY GENERAL BORNOS, INC.)
 - EXISTING CATCH BASIN
 - EXISTING DRAINAGE MANHOLE
 - EXISTING SEWER MANHOLE
 - ABANDONED MONITORING WELL

NOTES:

- (1) BASE MAP DEVELOPED FROM SEPTEMBER, 1990 AERIAL PHOTOGRAMMETRY, PLANS RECEIVED IN DIGITIZED FORM FROM DECARLO & DOLL, INC. DATED TOPOGRAPHIC SURVEY, CRVA WATERBURY LANDFILL, AND "DOT FILE # CRWATM INDEXT".
- (2) PROPERTY LINES PER "PLAN PREPARED FOR CRVA WATERBURY" SHEET NO. 1 OF 12 DATED APRIL 5, 1990, BY FUSSELL & O'NEILL INC. AND BARNER CLASS NO. 7 CERTIFICATION AND STAMP OF LAWRENCE R. BOSSER, SR., LICENSED LAND SURVEYOR NO. 12227.
- (3) MONITORING WELLS 3 AND 4 INSTALLED BY GENERAL BORNOS INC. ON JUNE 3, 1991 THROUGH 1, 1991. OBSERVED BY GZA PERSONNEL. MONITORING WELLS 1 AND 2 INSTALLED PREVIOUSLY BY OTHERS.
- (4) THE LOCATION OF MONITORING WELLS A, B, 3, AND 4 WERE TAKEN FROM PLAN PROVIDED BY DECARLO & DOLL, INC. ENTITLED "MONITORING WELL LOCATION PLAN CRVA LANDFILL" DATED JULY 11, 1991. ORIGINAL SCALE 1"=50', JOB NO. 8079404, FILE NO. B-463.
- (5) MONITORING WELL MW-3 WAS ABANDONED ON JANUARY 14, 2002 AND REPLACED IN THE MONITORING NETWORK WITH MW-C, WHICH IS A WELL OF SIMILAR CONSTRUCTION. MW-C WAS INSTALLED ON JANUARY 14, 2002 BY SOIL TESTING, INC. INSTALLATION OF MW-C WAS OBSERVED BY ANALYTICAL CONSULTING TECHNOLOGY, INC. THE LOCATION OF MW-C IS BASED ON THE SITE MONITORING REPORT.

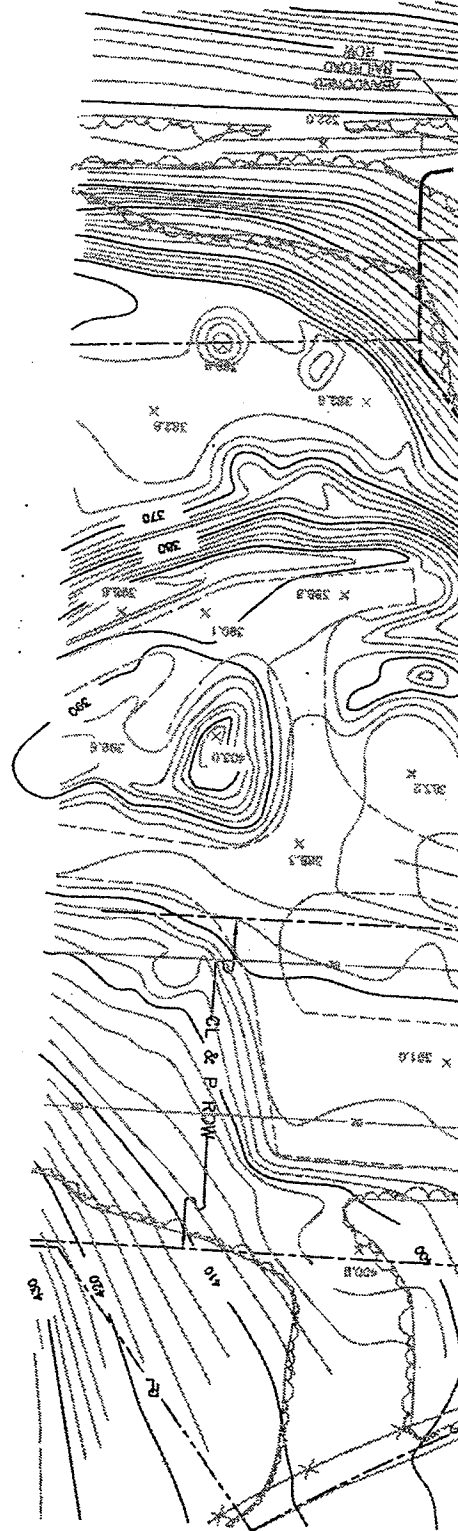
REV. No.	1	CRVA UPDATE TO NOTES, MW-3, MW-C	CRS	7/13/04	CHECKED BY: JDG (DES)
DESCRIPTION			BY	DATE	REVIEWED BY: BCM (DES)
PROJECT	CRVA WATERBURY BULKY WASTE LANDFILL, WATERBURY, CONNECTICUT				DRAWN BY: RAW (GZA)
SHEET No.	1 OF 1				SCALE: 1"=50'
					DATE: AUGUST 1, 1991

SCALE IN FEET

0 25 50 100 150 200

1"=50'

SITE PLAN



- LEGEND**
- EXISTING PROPERTY LINE
 - PERIMETER LIMITS OF EXISTING PERMITTED AREA FOR LANDFILL
 - EXISTING CONTOUR (DASHED WHEN OUTSIDE OF SURVEY LIMITS)
 - EXISTING DIRT ROAD
 - EXISTING OVERHEAD ELECTRIC LINE
 - EXISTING EDGE OF WOODS/SHRUB AREA
 - EXISTING DRAINAGE SWALE
 - EXISTING HEADWALL/ENDWALL
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 - EXISTING DRAINAGE MANHOLE
 - EXISTING SEWER MANHOLE
 - ABANDONED MONITORING WELL

NOTES:

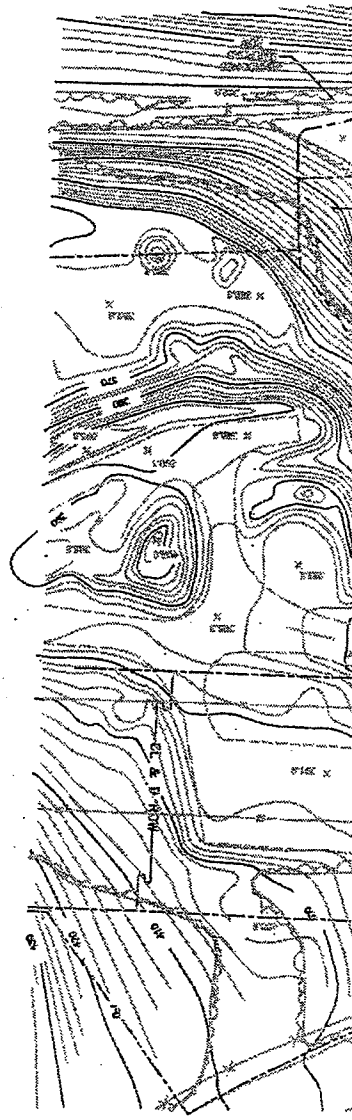
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- (2) PROPERTY LINES PER "PLAN PREPARED FOR CRRA WATERBURY, SHEET NO. 1 OF 12; CERTIFICATION AND STAMP OF LAWRENCE R. BOSSER, SO, LICENSED LAND SURVEYOR NO. 12327."
- (3) MONITORING WELLS 3 AND 4 INSTALLED BY GENERAL BONDING INC. ON JUNE 3, 1991 THROUGH 5, 1991, OBSERVED BY GZA PERSONNEL. MONITORING WELLS A AND B7 INSTALLED PREVIOUSLY BY OTHERS.
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- (5) MONITORING WELL MR-3 WAS ABANDONED ON JANUARY 14, 2002 AND REPLACED IN THE MONITORING NETWORK WITH MR-C, WHICH IS A WELL OF SIMILAR CONSTRUCTION. MR-C WAS INSTALLED ON JANUARY 16, 2002 BY SORTESTING, INC. INSTALLATION OF MR-C WAS OBSERVED BY ANALYTICAL CONSULTING TECHNOLOGY, INC. THE LOCATION OF MR-C IS BASED ON THE SITE PLAN PREPARED BY ANALYTICAL CONSULTING TECHNOLOGY FOR THE JANUARY 2002 GROUNDWATER MONITORING REPORT.

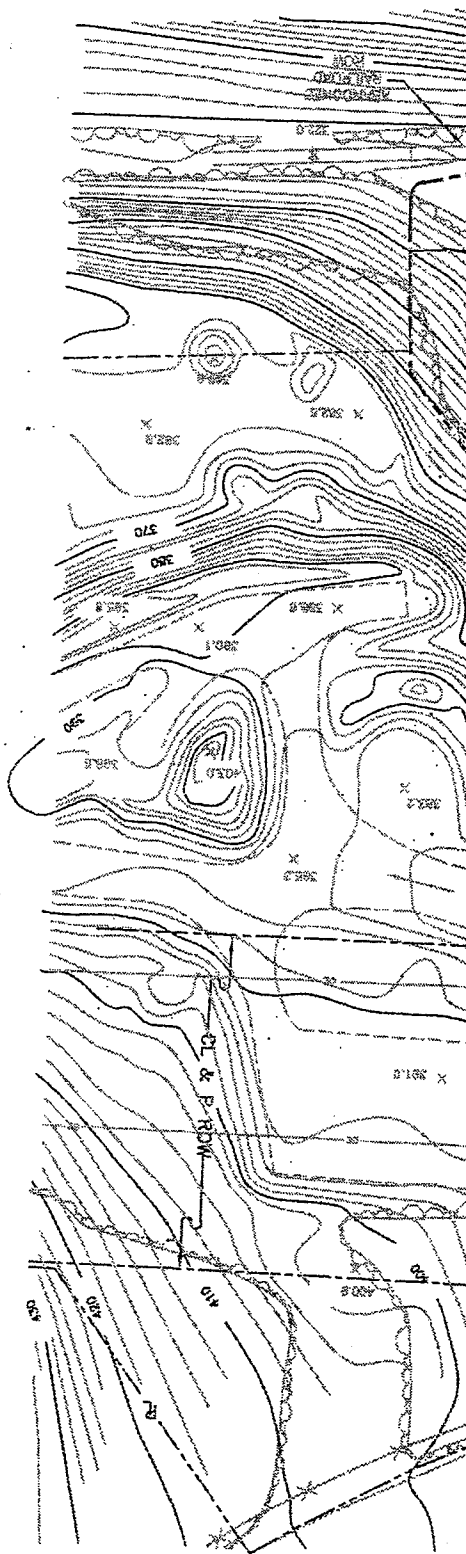
REV. No.	1	CRS	7/15/04	CHECKED BY: JDG (DES)	DRAWN BY: RAW (GZA)
SHEET No.	1	BY	DATE	REVIEWED BY: BCM (DES)	SCALE: 1"=50'
PROJECT	CRRA UPDATE TO NOTES, MW-3, MW-C				DATE: AUGUST 1, 1991
	DESCRIPTION				
	CRRA WATERBURY BULKY WASTE LANDFILL				
	WATERBURY, CONNECTICUT				
	SITE PLAN				

1 OF 1 BRIDGEPORT PROJECT		REV. NO. 1	
ORCA WATERBURY BULKY WASTE LANDFILL WATERBURY, CONNECTICUT SITE PLAN		URM UPDATE TO NOTES JUL-3, MAR-0 DESCRIPTION	
SCALE IN FEET 1"=50' 		DESIGNED BY T/ALAK	DATE 7/14/05
CHECKED BY: JDG (DES) REVIEWED BY: DAG (DES)		DRAWN BY: RAY (GZA) SCALE: 1"=50' DATE: AUGUST 1, 1991	

FIGURE 3: JULY 14, 2005
 GROUNDWATER FLOW DIRECTION MAP
 WATERBURY BULKY WASTE LANDFILL,
 WATERBURY, CONNECTICUT

THE FOLLOWING INFORMATION IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT TO BE USED AS A BASIS FOR ANY OTHER ACTION. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS OF THE SITE AND HAS FOUND NO EVIDENCE OF CONTAMINATION OR OTHER HAZARDOUS CONDITIONS. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS OF THE SITE AND HAS FOUND NO EVIDENCE OF CONTAMINATION OR OTHER HAZARDOUS CONDITIONS. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS OF THE SITE AND HAS FOUND NO EVIDENCE OF CONTAMINATION OR OTHER HAZARDOUS CONDITIONS.





NOTES:

- 1) BASE MAP DEVELOPED FROM SEPTEMBER 1990 AERIAL PHOTOGRAMMETRY PLANS RECEIVED IN DIGITIZED FORM FROM DECARLO & DOLL, INC. ENTITLED "TOPOGRAPHIC SURVEY, CRRA WATERBURY BULKY WASTE LANDFILL, AND DDT FILE # CRW/794 INDEX".
- 2) PROPERTY LINES PER "PLAN PREPARED FOR CRRA WATERBURY, SHEET NO. 1 OF 12 DATED APRIL 2, 1990, BY PLESS & ORRILL, INC. AND BEARING CLAS # 27-12227-1".
- 3) MONITORING WELLS 3 AND 4 INSTALLED BY GENERAL SERVICES INC. ON JUNE 2, 1991 THROUGH 3, 1991, OBSERVED BY GZA PERSONNEL. MONITORING WELLS 1 AND 2 INSTALLED PREVIOUSLY BY OTHERS.
- 4) THE LOCATION OF MONITORING WELLS A, B, C, AND 4 WERE TAKEN FROM PLAN PROVIDED BY DECARLO & DOLL, INC. ENTITLED "MONITORING WELL LOCATION PLAN, CRRA LANDFILL", DATED JULY 19, 1991, ORIGINAL SCALE 1"=50', JOB NO. 90784, FILE NO. D-483.
- 5) MONITORING WELL MW-3 WAS ADAPTED ON JANUARY 14, 2002 AND REPLACED IN THE MONITORING NETWORK WITH MW-C, WHICH IS A WELL OF SLEAVEN CONSTRUCTION. MW-C WAS INSTALLED ON JANUARY 14, 2002 BY SOILTESTING, INC. INSTALLATION OF MW-C WAS OBSERVED BY ANALYTICAL CONSULTING TECHNOLOGY, INC. THE LOCATION OF MW-C IS BASED ON THE SITE PLAN PREPARED BY ANALYTICAL CONSULTING TECHNOLOGY, INC.
- 6) MONITORING REPORT FOR THE JANUARY 2002 GROUNDWATER MONITORING REPORT.

- EXISTING PROPERTY LINE
- - - EXISTING CONTOUR (DASHED WHEN OUTSIDE OF SURVEY LIMITS)
- EXISTING DIRT ROAD
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING EDGE OF WOODED/CRUB AREA
- EXISTING DRAINAGE SWALE
- EXISTING HEADWALL/CHURNALL
- EXISTING CONNECTOUT LIGHT AND POWER POLE
- EXISTING SPOT ELEVATION
- EXISTING LIMITS OF WASTE MARKER
- EXISTING MONITORING WELL LOCATION AND IDENTIFICATION (BY OTHERS)
- EXISTING MONITORING WELL LOCATION AND IDENTIFICATION (BY GENERAL SERVICES, INC.)
- EXISTING CATCH BASIN
- EXISTING DRAINAGE MANHOLE
- EXISTING SEWER MANHOLE
- ABANDONED MONITORING WELL

REV. No.	1	2
DESCRIPTION	CRRA UPDATE TO NOTES, MW-3, MW-C	
PROJECT	CRRA WATERBURY BULKY WASTE LANDFILL WATERBURY, CONNECTICUT	
SCALE IN FEET	1"=50'	
DATE	10/6/05	
CYS	BY	
CHECKED BY: JDG (DES)	REVIEWED BY: BCM (DES)	
DRAWN BY: RAW (GZA)	SCALE: 1"=50'	
	DATE: AUGUST 1, 1991	
<p>FIGURE 3: OCTOBER 6, 2005 GROUNDWATER FLOW DIRECTION MAP WATERBURY BULKY WASTE LANDFILL WATERBURY, CONNECTICUT</p>		
<p>1 OF 1</p>		

**Table 1
Monitoring Well Details**

Monitoring Well	MW-A	MW-B	MW-C	MW-4B
Relative Location	Up gradient	Down gradient	Down gradient	Down gradient
Ground Elevation	340.6	299.7	309.15	313.9
TOC Elevation	341.97*	300.52	310.99	315.52
PVC Elevation	341.95*	300.31	310.99	315.31
Well Diameter (inches)	2	2	2	1.5
DTB at installation (feet)	21	28.5	30.5	27.5
Bedrock Elevation	<320	<271	280.1	301.1
Screened Interval (feet)	14.5 - 19.5	22 - 27	20.5 - 30.5	15.5 - 25.5
Screened Elevation (feet)	327.45 - 322.45	278.31 - 273.31	290.49 - 280.49	299.81 - 289.81

Notes: TOC = Top of Casings

DTB = Depth to Bottom

Elevations are in feet above mean sea level

* = Actual Elevation of One or Both Differs Due to Localized Ground Settlement

**Table 2
Monitoring Program Summary**

Monitoring Wells	Field Parameters	Laboratory Analytical Parameters
MW-A MW-B MW-C MW-4B	pH Specific Conductance Dissolved Oxygen Temperature Oxidation/Reduction Potential Turbidity	Alkalinity, Total Ammonia as N Chemical Oxygen Demand (COD) Biological Oxygen Demand (BOD 5 day) Chloride Total Dissolved Solids (TDS) Total Suspended Solids (TSS) Nitrate as N Iron, Dissolved Manganese, Dissolved

Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-A

CONSTITUENT:	DATE:	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A
RESULT TYPE:		7/25/1995	10/10/1995	1/16/1996	4/9/1996	7/16/1996	10/8/1996	1/7/1997	4/8/1997	7/15/1997	10/14/1997		
	(SU)	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
pH	(SU)	6.25	6.02	5.83	5.25	6.16	6.05	<2	6.75	<2	<2	<2	<2
Specific conductance	(uMhos)	400	384	214	442	512	551	646	646	646	646	646	646
Temperature	(C deg)	16.9	15.4	9.2	11.5	15.4	14.5	11.2	11.2	11.2	11.2	11.2	11.2
Turbidity	(ntu)	3.65	11.80	5.74	5.10	2.80	3.61	2.41	2.41	2.41	2.41	2.41	2.41
Dissolved Oxygen	(mg/l)	5.20	46	6.30	4.20	44	6.30	40	6.40	41	6.40	41	40
Alkalinity	(mg/l)	49	0.050	<2	<2	<2	<2	38	<2	48	<2	48	40
Ammonia (as N)	(mg/l)	<2	7	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
BOD (5 Day)	(mg/l)	0.1	3.9	0.1	0.7	2.4	5.4	7.0	2.2	3.3	2.2	3.3	<2
COD	(mg/l)	58	58	68	80	130	123	101	111	92	111	92	5.1
Chloride	(mg/l)	252	228	247	275	383	323	275	273	293	273	293	82
Total dissolved solids (TDS)	(mg/l)	5	8	5	-1	5	5	5	5	5	5	5	260
Total suspended solids	(mg/l)	2.90	3.10	0.05	2.75	1.90	2.67	2.95	2.32	1.90	2.72	1.90	5
Nitrate	(mg/l)	0.01	0.04	0.03	<0.01	0.05	0.18	<0.01	<0.01	<0.01	0.02	0.02	2.72
Iron (Dissolved)	(mg/l)	<0.01	0.03	<0.01	<0.01	0.07	0.06	0.02	0.02	0.03	0.02	0.03	0.02
Manganese (Dissolved)	(mg/l)	<0.01	0.03	<0.01	<0.01	0.07	0.06	0.02	0.02	0.03	<0.01	0.03	<0.01

Notes:
This table has been modified to expand the data collected for this period.
The table, and part of the information contained in it, was obtained from AARON Environmental and Analytical Consulting Technologies.

Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-A

CONSTITUENT:	DATE:	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A
	RESULT TYPE:	1/6/1998	1/6/1998	4/7/1998	7/28/1998	10/27/1998	1/26/1999	4/13/1999	7/13/1999	10/26/1999	1/18/2000			
	(SU)	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
pH	(uMhos)	6.20	6.20	5.76	6.08	7.33	7.18	7.50	6.99	6.60	7.35			
Specific conductance	(C deg)	419	419	447	280	386	355	354	385	-0.02	402			
Temperature	(ntu)	11.3	11.3	11.5	15.1	13.9	9.1	11.2	15.6	25.3	12.0			
Turbidity	(mg/l)	2.74	2.74	2.03	1.09	1.50	1.00	1.50	0.20	0.20	14.20			
Dissolved Oxygen	(mg/l)	5.40	5.40	3.43	2.98	3.05	10.45	6.43	2.54	0.20	3.50			
Alkalinity	(mg/l)	43	38	38	44	20	44	39	40	34	43			
Ammonia (as N)	(mg/l)	<0.02	<0.02	0.030	0.190	<0.05	<0.05	<0.05	<0.05	0.061	<0.01			
BOD (5 Day)	(mg/l)	<2	<2	<2	<1	<10	<10	<10	<10	<10	<10			
COD	(mg/l)	0.1	0.1	1.9	<5	<10	<10	<10	<10	<10	<5			
Chloride	(mg/l)	66	70	88	86	7	58	66	71	60	54			
Total dissolved solids (TDS)	(mg/l)	244	241	284	260	74	370	230	210	220	230			
Total suspended solids	(mg/l)	5	5	5	6	4	<4	8	<4	<4	270			
Nitrate	(mg/l)	3.12	3.08	2.70	1.70	<0.05	3.10	3.20	2.30	1.60	3.50			
Iron (Dissolved)	(mg/l)	0.02	<0.01	<0.01	<0.01	<0.01	<0.03	0.35	<0.01	<0.03	<0.01			
Manganese (Dissolved)	(mg/l)	<0.01	0.01	<0.01	0.03	0.10	<0.05	0.17	<0.01	<0.01	0.01			

Notes:
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Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-A

CONSTITUENT:	DATE:	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A
RESULT TYPE:	(SU)	5/30/2000	10/10/2000	12/19/2000	1/9/2001	4/24/2001	7/30/2001	10/25/2001	1/21/2002	4/22/2002	7/11/2002	7/11/2002	7/11/2002
pH	Primary	7.10	7.00	9.11	9.37	8.34	5.76	5.62	5.15	6.49	6.06	6.06	6.06
Specific conductance	(uMhos)	NM	447	336	315	193	472	379	364	940	382	382	382
Temperature	(C deg)	MN	13.6	9.0	8.5	16.6	19.4	15.7	11.7	9.6	19.0	19.0	19.0
Turbidity	(ntu)	2.50	NM	NM	NM	NM	2.56	NM	NM	16.40	21.40	21.40	21.40
Dissolved Oxygen	(mg/l)	NM	5.72	NM	9.08	4.36	3.23	3.79	5.4	7.28	6.57	6.57	6.57
Alkalinity	(mg/l)	36	40	38	40	38	38	44	32	28	30	30	30
Ammonia (as N)	(mg/l)	0.018	0.029	0.460	< 0.01	< 0.01	< 0.1	0.560	0.700	0.700	1.400	1.400	1.400
BOD (5 Day)	(mg/l)	< 10	< 10	< 10	< 10	< 10	< 1	1.1	8.45	4.9	5	5	5
COD	(mg/l)	< 5	130.0	< 10	< 10	< 10	< 1	< 2	65	25.6	11.3	11.3	11.3
Chloride	(mg/l)	64	78	63	59	58	210	36	65	66	83	83	83
Total dissolved solids (TDS)	(mg/l)	190	230	200	220	220	260	284	198	376	442	442	442
Total suspended solids	(mg/l)	< 4	7	12	< 4.0	10	16	5	3	56	63	63	63
Nitrate	(mg/l)	2.80	2.70	3.50	3.00	2.80	1.72	0.69	2.91	3.05	3.33	3.33	3.33
Iron (Dissolved)	(mg/l)	< 0.01	< 0.024	< 0.01	< 0.01	0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	0.02	0.02
Manganese (Dissolved)	(mg/l)	< 0.005	< 0.093	0.06	0.01	0.28	< 0.02	0.02	< 0.02	0.84	0.02	0.02	0.02

Notes:
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Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-A

CONSTITUENT:	DATE:	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	
	RESULT TYPE:	10/15/2002	10/15/2002	10/15/2002	1/31/2003	1/31/2003	1/31/2003	1/31/2003	4/1/2003	4/1/2003	4/1/2003
pH	(SU)	Primary 6.50	Matrix Spike	Matrix Spike Duplicate	Primary 5.85	Matrix Spike	Matrix Spike Duplicate	Primary 5.85	Primary 5.85	Duplicate <0.100	Matrix Spike 98.00%
Specific conductance	(uMhos)	375			440			405	405		
Temperature	(C deg)	11.7			8.0			6.5	6.5		
Turbidity	(ntu)	2.50			5.00			2.40	2.40		
Dissolved Oxygen	(mg/l)	6.02			6.41			4.77	4.77		
Alkalinity	(mg/l)	<2			32			42	42		
Ammonia (as N)	(mg/l)	0.7	100.00%	100.00%	<0.100	99.40%	100.00%	<0.100	<0.100	40	98.00%
BOD (5 Day)	(mg/l)	2			6			1	1	<0.100	
Chloride	(mg/l)	3.7	96.00%	96.00%	7.5	98.50%	98.50%	3.7	3.7	1	88.80%
Total dissolved solids (TDS)	(mg/l)	79	100.30%	97.00%	66	98.00%	98.00%	72	72	71	100.00%
Total suspended solids	(mg/l)	1632			216			324	324	232	
Nitrate	(mg/l)	37			40			5	5	33	
Iron (Dissolved)	(mg/l)	3.50	92.50%	85.20%	3.41	102.00%	100.00%	3.11	3.11	3.05	104.80%
Manganese (Dissolved)	(mg/l)	0.89	107.60%	117.90%	0.07	98.90%	93.80%	<0.02	<0.02	<0.02	95.00%
	(mg/l)	0.20	105.80%	117.40%	0.08	97.60%	90.60%	0.03	0.03	0.029	99.00%

Notes:
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The table, and part of the information contained in it, was obtained from AARON Environmental and Analytical Consulting Technologies.

Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-A

CONSTITUENT:	DATE:	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A
	RESULT TYPE:	4/1/2003	7/10/2003	7/10/2003	10/1/2003	10/1/2003	10/1/2003	10/1/2003	10/1/2003
	(SU)	Matrix Spike Duplicate	Primary	Duplicate	Primary	Duplicate	Matrix Spike	Matrix Spike Duplicate	Primary
pH	(SU)		5.40		6.64				5.26
Specific conductance	(uMhos)		513		452				496
Temperature	(C deg)		13.0		13.5				7.6
Turbidity	(ntu)		10.00		65.40				8.2
Dissolved Oxygen	(mg/l)		5.74		5.79				NS
Alkalinity	(mg/l)		38	36	40	42			39.9
Ammonia (as N)	(mg/l)	99.00%	0.280	0.280	<0.100	<0.100	97.60%	97.60%	0.07
BOD (5 Day)	(mg/l)		7	8	1	<1.0			7.68
COD	(mg/l)	96.70%	<2.0	<2.0	3.7	<2.0	105.70%	111.00%	7.5
Chloride	(mg/l)	98.80%	72	86	109	114	92.80%	132.00%	100
Total dissolved solids (TDS)	(mg/l)		360	332	258	238			290
Total suspended solids	(mg/l)		44	57	18	20			14.33
Nitrate	(mg/l)	107.20%	2.08	3.54	2.46	1.485	108.00%	104.00%	3.02
Iron (Dissolved)	(mg/l)	93.00%	<0.02	<0.02	<0.02	<0.02	102.00%	102.00%	0.08
Manganese (Dissolved)	(mg/l)	102.00%	<0.02	<0.02	<0.02	<0.02	101.00%	101.00%	0.02

Notes:
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Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-A

CONSTITUENT:	DATE:	RESULT TYPE:	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A	MW-A
			4/19/2004	4/19/2004	7/1/2004	7/1/2004	10/27/2004	1/13/2005	4/14/2005	7/14/2005	10/6/2005	10/6/2005
			Primary	Duplicate	Primary	Duplicate	Primary	Primary	Primary	Primary	Primary	Duplicate
pH	(SU)		5.21	5.21	6.17	6	6.17	6.03	6.87	5.71	6.3	6.2
Specific conductance	(uMhos)		398	398	342	340	103	326	341	412	399	409
Temperature	(C deg)		13.1	13.1	12.5	12.5	13.1	12.4	11.1	15	12.9	
Turbidity	(ntu)		8.4	8.4	30	30	130	110	23.9	77.1	205	
Dissolved Oxygen	(mg/l)		9.1	9.1	4.2	4.2	6.9	5.5	5	7	6.9	
Alkalinity	(mg/l)		34.1	35.1	44	44	34	38	60	36	45.1	37.6
Ammonia (as N)	(mg/l)		<0.1	<0.1	<0.05	<0.05	<0.05	ND<0.05	ND<0.05	ND<0.05	0.1	0.08
BOD (5 Day)	(mg/l)		8.25	7.1	9	1	6	12	2	13	3	4
COD	(mg/l)		7.5	7.5	18.7	<10	18.7	18.8	ND	ND<10	ND<10	36.1
Total dissolved solids (TDS)	(mg/l)		<0.1	<0.1	70.2	70.9	63.3	76.6	75.3	53.5	81.2	82.6
Total suspended solids	(mg/l)		276	220	218	226	278	225	190	250	219	208
Nitrate	(mg/l)		230	36	97	5	92	15	1	30	12	10
Iron (Dissolved)	(mg/l)		3.616	3.314	2	2.02	3.36	3.22	2.99	2.12	3.02	2.97
Manganese (Dissolved)	(mg/l)		<0.02	<0.02	0.017	0.046	0.037	ND<0.005	0.007	0.006	ND<0.005	ND<0.005
			0.05	0.04	0.016	0.255	0.072	0.007	0.068	0.025	0.02	0.11

Notes:
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Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-B

CONSTITUENT:	SITE:	DATE:	RESULT TYPE:	RESULT	UNIT
pH	MW-B	7/25/1996	Primary	6.56	(SU)
Specific conductance	MW-B	7/25/1996	Primary	765	(uMhos)
Temperature	MW-B	7/25/1996	Primary	14.3	(C deg)
Turbidity	MW-B	7/25/1996	Primary	18.70	(ntu)
Dissolved Oxygen	MW-B	7/25/1996	Primary	8.30	(mg/l)
Alkalinity	MW-B	7/25/1996	Primary	239	(mg/l)
Ammonia (as N)	MW-B	7/25/1996	Primary	0.12	(mg/l)
BOD (5 Day)	MW-B	7/25/1996	Primary	8	(mg/l)
COD	MW-B	7/25/1996	Primary	9.2	(mg/l)
Chloride	MW-B	7/25/1996	Primary	11	(mg/l)
Total dissolved solids (TDS)	MW-B	7/25/1996	Primary	548	(mg/l)
Total suspended solids	MW-B	7/25/1996	Primary	149	(mg/l)
Nitrate	MW-B	7/25/1996	Primary	0.20	(mg/l)
Iron (Dissolved)	MW-B	7/25/1996	Primary	0.07	(mg/l)
Manganese (Dissolved)	MW-B	7/25/1996	Primary	5.01	(mg/l)
	MW-B	10/10/1996	Primary	6.24	(SU)
	MW-B	10/10/1996	Primary	581	(uMhos)
	MW-B	10/10/1996	Primary	13.4	(C deg)
	MW-B	10/10/1996	Primary	15.00	(ntu)
	MW-B	10/10/1996	Primary	166	(mg/l)
	MW-B	10/10/1996	Primary	0.09	(mg/l)
	MW-B	10/10/1996	Primary	5	(mg/l)
	MW-B	10/10/1996	Primary	4.9	(mg/l)
	MW-B	10/10/1996	Primary	10	(mg/l)
	MW-B	10/10/1996	Primary	392	(mg/l)
	MW-B	10/10/1996	Primary	7	(mg/l)
	MW-B	10/10/1996	Primary	1.70	(mg/l)
	MW-B	10/10/1996	Primary	0.02	(mg/l)
	MW-B	10/10/1996	Primary	4.70	(mg/l)
	MW-B	1/16/1996	Primary	5.85	(SU)
	MW-B	1/16/1996	Primary	473	(uMhos)
	MW-B	1/16/1996	Primary	6.0	(C deg)
	MW-B	1/16/1996	Primary	7.52	(ntu)
	MW-B	1/16/1996	Primary	6.80	(mg/l)
	MW-B	1/16/1996	Primary	0.12	(mg/l)
	MW-B	1/16/1996	Primary	2	(mg/l)
	MW-B	1/16/1996	Primary	14	(mg/l)
	MW-B	1/16/1996	Primary	10	(mg/l)
	MW-B	1/16/1996	Primary	615	(mg/l)
	MW-B	1/16/1996	Primary	5	(mg/l)
	MW-B	1/16/1996	Primary	2.20	(mg/l)
	MW-B	1/16/1996	Primary	0.18	(mg/l)
	MW-B	1/16/1996	Primary	7.01	(mg/l)
	MW-B	4/9/1996	Primary	6.57	(SU)
	MW-B	4/9/1996	Primary	878	(uMhos)
	MW-B	4/9/1996	Primary	9.1	(C deg)
	MW-B	4/9/1996	Primary	9.00	(ntu)
	MW-B	4/9/1996	Primary	2.30	(mg/l)
	MW-B	4/9/1996	Primary	196	(mg/l)
	MW-B	4/9/1996	Primary	0.05	(mg/l)
	MW-B	4/9/1996	Primary	2	(mg/l)
	MW-B	4/9/1996	Primary	46.6	(mg/l)
	MW-B	4/9/1996	Primary	8	(mg/l)
	MW-B	4/9/1996	Primary	584	(mg/l)
	MW-B	4/9/1996	Primary	-4	(mg/l)
	MW-B	4/9/1996	Primary	0.76	(mg/l)
	MW-B	4/9/1996	Primary	0.01	(mg/l)
	MW-B	4/9/1996	Primary	1.99	(mg/l)
	MW-B	7/16/1996	Primary	6.50	(SU)
	MW-B	7/16/1996	Primary	819	(uMhos)
	MW-B	7/16/1996	Primary	14.4	(C deg)
	MW-B	7/16/1996	Primary	14.323	(ntu)
	MW-B	7/16/1996	Primary	190	(mg/l)
	MW-B	7/16/1996	Primary	0.04	(mg/l)
	MW-B	7/16/1996	Primary	2	(mg/l)
	MW-B	7/16/1996	Primary	14.323	(mg/l)
	MW-B	7/16/1996	Primary	8	(mg/l)
	MW-B	7/16/1996	Primary	531	(mg/l)
	MW-B	7/16/1996	Primary	6	(mg/l)
	MW-B	7/16/1996	Primary	0.80	(mg/l)
	MW-B	7/16/1996	Primary	0.10	(mg/l)
	MW-B	7/16/1996	Primary	3.63	(mg/l)
	MW-B	10/8/1996	Primary	6.53	(SU)
	MW-B	10/8/1996	Primary	806	(uMhos)
	MW-B	10/8/1996	Primary	13.1	(C deg)
	MW-B	10/8/1996	Primary	5.18	(ntu)
	MW-B	10/8/1996	Primary	4.70	(mg/l)
	MW-B	10/8/1996	Primary	232	(mg/l)
	MW-B	10/8/1996	Primary	0.09	(mg/l)
	MW-B	10/8/1996	Primary	3	(mg/l)
	MW-B	10/8/1996	Primary	0.1	(mg/l)
	MW-B	10/8/1996	Primary	9	(mg/l)
	MW-B	10/8/1996	Primary	555	(mg/l)
	MW-B	10/8/1996	Primary	5	(mg/l)
	MW-B	10/8/1996	Primary	0.29	(mg/l)
	MW-B	10/8/1996	Primary	0.12	(mg/l)
	MW-B	10/8/1996	Primary	6.15	(mg/l)
	MW-B	1/7/1997	Primary	324	(mg/l)
	MW-B	1/7/1997	Primary	0.07	(mg/l)
	MW-B	1/7/1997	Primary	2	(mg/l)
	MW-B	1/7/1997	Primary	11.5	(mg/l)
	MW-B	1/7/1997	Primary	5	(mg/l)
	MW-B	1/7/1997	Primary	677	(mg/l)
	MW-B	1/7/1997	Primary	8	(mg/l)
	MW-B	1/7/1997	Primary	0.05	(mg/l)
	MW-B	1/7/1997	Primary	0.09	(mg/l)
	MW-B	1/7/1997	Primary	6.30	(mg/l)
	MW-B	4/8/1997	Primary	7.49	(SU)
	MW-B	4/8/1997	Primary	630	(uMhos)
	MW-B	4/8/1997	Primary	9.5	(C deg)
	MW-B	4/8/1997	Primary	3.40	(ntu)
	MW-B	4/8/1997	Primary	6.30	(mg/l)
	MW-B	4/8/1997	Primary	184	(mg/l)
	MW-B	4/8/1997	Primary	0.07	(mg/l)
	MW-B	4/8/1997	Primary	2	(mg/l)
	MW-B	4/8/1997	Primary	7.2	(mg/l)
	MW-B	4/8/1997	Primary	6	(mg/l)
	MW-B	4/8/1997	Primary	405	(mg/l)
	MW-B	4/8/1997	Primary	5	(mg/l)
	MW-B	4/8/1997	Primary	0.60	(mg/l)
	MW-B	4/8/1997	Primary	0.04	(mg/l)
	MW-B	4/8/1997	Primary	3.78	(mg/l)
	MW-B	7/15/1997	Primary	42	(mg/l)
	MW-B	7/15/1997	Primary	0.05	(mg/l)
	MW-B	7/15/1997	Primary	2	(mg/l)
	MW-B	7/15/1997	Primary	8.8	(mg/l)
	MW-B	7/15/1997	Primary	6	(mg/l)
	MW-B	7/15/1997	Primary	419	(mg/l)
	MW-B	7/15/1997	Primary	5	(mg/l)
	MW-B	7/15/1997	Primary	0.48	(mg/l)
	MW-B	7/15/1997	Primary	0.02	(mg/l)
	MW-B	7/15/1997	Primary	2.63	(mg/l)
	MW-B	10/14/1997	Primary	238	(mg/l)
	MW-B	10/14/1997	Primary	0.08	(mg/l)
	MW-B	10/14/1997	Primary	2	(mg/l)
	MW-B	10/14/1997	Primary	8.3	(mg/l)
	MW-B	10/14/1997	Primary	8	(mg/l)
	MW-B	10/14/1997	Primary	534	(mg/l)
	MW-B	10/14/1997	Primary	6	(mg/l)
	MW-B	10/14/1997	Primary	0.14	(mg/l)
	MW-B	10/14/1997	Primary	0.08	(mg/l)
	MW-B	10/14/1997	Primary	3.77	(mg/l)

Notes:
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Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-B

CONSTITUENT:	SITE:	RESULT TYPE:	MW-B 1/6/1998	MW-B 4/7/1998	MW-B 7/28/1998	MW-B 10/27/1998	MW-B 1/26/1999	MW-B 4/13/1999	MW-B 7/13/1999	MW-B 10/26/1999	MW-B 1/18/2000	MW-B 5/30/2000
	DATE:											
pH	(SU)	Primary	6.55	6.20	6.72	6.95	7.75	7.11	6.17	6.76	7.85	8.95
Specific conductance	(uMhos)	Primary	764	1007	960	1107	720	801	791	559	494	NM
Temperature	(C deg)		11.3	10.2	16.0	14.9	9.7	12.3	17.3	15.2	4.1	NM
Turbidity	(ntu)		0.65	3.69	2.50	2.40	1.70	2.00	1.40	1.20	1.40	33.00
Dissolved Oxygen	(mg/l)		2.40	2.83	2.80	3.10	6.44	6.24	2.04	1.20	5.50	NM
Alkalinity	(mg/l)		234	370	320	<10	240	370	320	230	200	190
Ammonia (as N)	(mg/l)		0.06	0.12	0.22	0.09	0.12	<0.05	0.23	0.13	0.16	0.06
BOD (5 Day)	(mg/l)		2	2	<1	<10	<10	<10	14	<10	<10	<10
COD	(mg/l)		5.7	15.4	<5	<10	8	13	7	<10	5.2	12
Chloride	(mg/l)		7	8	6	<5	8	6	480	<10	8	14
Total dissolved solids (TDS)	(mg/l)		513	688	540	26	850	590	480	440	460	390
Total suspended solids	(mg/l)		5	<5	22	<4	31	<4.0	6	6	7	120
Nitrate	(mg/l)		0.27	0.05	<0.05	<0.05	<0.28	<0.28	<0.05	0.41	0.17	0.58
Iron (Dissolved)	(mg/l)		0.02	0.11	<0.01	<0.01	1.20	1.20	0.17	<0.03	<0.01	<0.01
Manganese (Dissolved)	(mg/l)		2.33	5.13	7.40	4.50	5.90	8.90	7.50	6.10	0.03	1.20

Notes:
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Table 3
CRRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-B

CONSTITUENT:	SITE:	DATE:	RESULT TYPE:	RESULT TYPE:	RESULT TYPE:	RESULT TYPE:	RESULT TYPE:	RESULT TYPE:	RESULT TYPE:	RESULT TYPE:	RESULT TYPE:	RESULT TYPE:	RESULT TYPE:								
	MW-B	10/10/2000	MW-B	10/10/2000	MW-B	12/19/2000	MW-B	12/19/2000	MW-B	1/9/2001	MW-B	1/9/2001	MW-B	4/24/2001	MW-B	4/24/2001	MW-B	7/30/2001	MW-B	10/26/2001	
pH	Primary	8.53	Duplicate	8.53	Primary	8.68	Duplicate	8.68	Primary	9.12	Duplicate	9.12	Primary	8.58	Duplicate	8.58	Primary	6.14	Primary	6.00	
Specific conductance	716	716	716	745	745	745	745	735	735	735	735	735	735	490	490	490	1.8	875	875	647	
Temperature	9.9	9.9	9.9	8.2	8.2	8.2	8.2	6.4	6.4	6.4	6.4	6.4	6.4	1.8	1.8	1.8	15.8	15.8	18.6	18.6	
Turbidity	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	> 5	> 5	NM	NM
Dissolved Oxygen	6.41	6.41	6.41	7.15	7.15	7.15	7.15	6.04	6.04	6.04	6.04	6.04	6.04	2.35	2.35	2.35	2.94	2.94	1.8	1.8	
Alkalinity	160	130	130	250	250	250	250	250	250	250	270	270	340	340	340	340	339	339	200	200	
Ammonia (as N)	0.09	0.06	0.06	0.15	0.15	0.15	0.15	0.03	0.03	0.03	0.01	0.01	0.13	0.13	0.09	0.09	< 0.1	< 0.1	0.56	0.56	
BOD (5 Day)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	1	1	2	2	
COD	16	<5.0	<5.0	13	13	13	13	13	13	13	13	13	13	13	10	10	22.2	22.2	< 2	< 2	
Chloride	24	20	20	27	27	27	27	28	28	28	29	29	34	34	34	34	45	45	2	2	
Total dissolved solids (TDS)	380	330	330	510	510	510	510	490	490	490	490	490	630	630	630	630	586	586	390	390	
Total suspended solids	<4.0	9	9	63	63	63	63	28	28	28	17	17	46	46	46	46	42	42	26	26	
Nitrate	0.84	0.99	0.99	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.16	0.16	< 0.05	< 0.05	< 0.05	< 0.05	< 0.005	< 0.005	0.05	0.05	
Iron (Dissolved)	0.33	0.31	0.31	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	0.16	0.16	
Manganese (Dissolved)	3.10	2.50	2.50	6.90	6.90	6.90	6.90	5.30	5.30	5.30	5.40	5.40	5.60	5.60	5.60	5.60	10.30	10.30	4.96	4.96	

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Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-B

CONSTITUENT:	SITE:	DATE:	RESULT TYPE:	MW-B												
				1/21/2002	4/22/2002	7/1/2002	10/14/2002	1/31/2003	4/1/2003	7/10/2003	10/17/2003	1/9/2004	4/19/2004			
pH		(SU)	Primary	5.71	5.84	7.04	6.12	6.30	5.58	6.28	6.57	6.92	7.26			
Specific conductance		(µmhos)	Primary	464	796	879	591	440	852	1000	841	7.53	804			
Temperature		(C deg)	Primary	6.5	8.8	14.7	15.9	6.0	8.7	8.7	16.4	8.4	13.8			
Turbidity		(ntu)	NM	6.7	62.30	26.90	8.30	13.60	154.90	37.80	112.10	195.4	161			
Dissolved Oxygen		(mg/l)	98	7.81	5.66	2.79	3.60	3.60	7.18	1.63	3.87	NS	7.47			
Alkalinity		(mg/l)	< 0.1	0.42	0.98	82	0.14	362	342	360	282	310.3	248			
Ammonia (as N)		(mg/l)	< 0.1	7	9	9	3	< 0.1	< 0.1	0.84	< 0.1	1.4	< 0.1			
BOD (5 Day)		(mg/l)	9	7	9	3	9	9	6	10	11	7.88	15.7			
COD		(mg/l)	< 2	58.5	55.8	3.7	44.4	18.7	18.7	7.5	66.3	32.1	30.5			
Chloride		(mg/l)	21	29	35	26	19	20	20	19	22	16.6	10.125			
Total dissolved solids (TDS)		(mg/l)	262	516	634	450	560	676	676	606	524	582	372			
Total suspended solids		(mg/l)	5	208	60	8	246	249	249	33	390	136	786			
Nitrate		(mg/l)	1.84	0.68	0.06	2.45	0.12	0.12	0.12	0.47	0.17	0.47	1.395			
Iron (Dissolved)		(mg/l)	< 0.02	< 0.02	< 0.02	0.25	< 0.02	< 0.02	30.8	0.04	0.78	< 0.02	0.03			
Manganese (Dissolved)		(mg/l)	2.81	5.56	8.72	0.02	8.55	9.38	9.38	7.85	7.21	6.7	3.21			

Notes:
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Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-B

CONSTITUENT:	SITE:	MW-B	MW-B	MW-B	MW-B	MW-B	MW-B
	DATE:	7/1/2004	10/27/2004	1/13/2005	4/14/2005	7/14/2005	10/6/2005
	RESULT TYPE:	Primary	Primary	Primary	Primary	Primary	Primary
pH	(SU)	6.60	6.28	6.60	6.21	6.10	6.52
Specific conductance	(uMhos)	580	117	720	580	668	609
Temperature	(C deg)	12.5	12.2	12.9	8.8	12	12.2
Turbidity	(ntu)	165	170	170	74	90.7	384
Dissolved Oxygen	(mg/l)	5.9	7.5	7.4	6	6	9.3
Alkalinity	(mg/l)	278	242	340	220	260	376
Ammonia (as N)	(mg/l)	0.07	0.11	ND<0.05	ND<0.05	0.05	0.05
BOD (5 Day)	(mg/l)	18	21	36	10	18	25
COD	(mg/l)	286	29	36.7	ND	18	54.2
Chloride	(mg/l)	6.6	15.8	13.7	8.59	12.3	18
Total dissolved solids (TDS)	(mg/l)	446	519	530	420	430	358
Total suspended solids	(mg/l)	402	64	290	25	38	136
Nitrate	(mg/l)	0.09	0.09	0.25	1.01	0.08	0.21
Iron (Dissolved)	(mg/l)	3.32	0.83	0.036	0.008	1.4	0.088
Manganese (Dissolved)	(mg/l)	5.58	5.53	5.66	0.281	5.49	2.6

Notes:

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Table 3
CRRA

Waterbury Landfill
Annual Historical Groundwater Summary MW-3

CONSTITUENT:	SITE:	DATE:	RESULT TYPE:	7/25/1995	10/10/1995	1/16/1996	4/9/1996	7/16/1996	7/16/1996
pH	MW-3	7/25/1995	Primary	6.34	6.45	6.12	6.71	6.34	6.34
Specific conductance				1209	960	807	1485	1717	1717
Temperature				23.2	23.8	13.3	15.8	24.5	24.5
Turbidity				19.7	1.76	3.83	8		
Dissolved Oxygen				1.4		8	3.5	4.4	4.4
Alkalinity				353	356	386	356	524	510
Ammonia (as N)				1.09	0.59	0.41	0.27	0.97	0.94
BOD (5 Day)				11	5	<2	<2	<2	<2
COD				36.8	31.2	37	16.6	34.2	36.226
Chloride				64	48	48	91	45	47
Total dissolved solids (TDS)				4340	1094	1009	1023	1221	1233
Total suspended solids				10	<5	-2	-1	19	6
Nitrate				<0.01	3.1	5.4	1.85	<0.01	0.01
Iron (Dissolved)				2.8	0.032	0.09	<0.01	1.53	1.57
Manganese (Dissolved)				9.86	2.28	4.03	0.48	8.37	8.57

Notes:

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Table 3
CRRA

Waterbury Landfill
Annual Historical Groundwater Summary MW-3

CONSTITUENT:	SITE:	DATE:	RESULT TYPE:	10/8/1996	10/8/1996	1/7/1997	1/7/1997	4/8/1997	4/8/1997
pH	MW-3	10/8/1996	Primary	7.75	7.75	Primary	Duplicate 1	MW-3 Primary	MW-3 Duplicate 1
Specific conductance				(uMhos)	1371	1371	1540	1540	1540
Temperature				(C deg)	22.5	22.5	15.2	15.2	15.2
Turbidity				(ntu)	4.56	4.56	0.92	0.92	0.92
Dissolved Oxygen				(mg/l)	2.5	2.5	3.4	3.4	3.4
Alkalinity				(mg/l)	452	454	408	404	404
Ammonia (as N)				(mg/l)	0.98	1	0.05	0.05	0.05
BOD (5 Day)				(mg/l)	2	2	<2	2	2
COD				(mg/l)	8	5.3	17.2	17.7	17
Chloride				(mg/l)	63	63	37	44	69
Total dissolved solids (TDS)				(mg/l)	871	883	842	862	877
Total suspended solids				(mg/l)	<5	<5	<5	<5	5
Nitrate				(mg/l)	0.83	0.84	1.21	1.17	1.31
Iron (Dissolved)				(mg/l)	0.13	0.11	<0.01	<0.01	0.01
Manganese (Dissolved)				(mg/l)	9.40	10.10	3.68	3.89	0.74

Notes:

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Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-3

CONSTITUENT:	SITE:	DATE:	RESULT TYPE:	Primary	Duplicate 1	Primary	Duplicate 1	Primary	Primary
pH	MW-3	7/15/1997	Primary						
Specific conductance	MW-3	7/15/1997	Primary						
Temperature	MW-3	7/15/1997	Duplicate 1						
Turbidity	MW-3	10/14/1997	Primary						
Dissolved Oxygen	MW-3	10/14/1997	Duplicate 1						
Alkalinity	MW-3	10/14/1997	Primary						
Ammonia (as N)	MW-3	10/14/1997	Primary						
BOD (5 Day)	MW-3	10/14/1997	Duplicate 1						
COD	MW-3	10/14/1997	Duplicate 1						
Chloride	MW-3	1/6/1998	Primary						
Total dissolved solids (TDS)	MW-3	4/7/1998	Primary						
Total suspended solids	MW-3	4/7/1998	Primary						
Nitrate	MW-3	4/7/1998	Primary						
Iron (Dissolved)	MW-3	4/7/1998	Primary						
Manganese (Dissolved)	MW-3	4/7/1998	Primary						

Notes:
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Table 3
CRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-3

CONSTITUENT:	SITE:	DATE:	RESULT TYPE:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
pH		4/7/1998	Duplicate 1	7/28/1998	7/28/1998	10/27/1998	10/27/1998	1/26/1999	
Specific conductance	(SU)			6.8	Duplicate	6.99	Duplicate	Primary	Dry
Temperature	(uMhos)			1250		755		Dry	Dry
Turbidity	(C deg)			15		12.2		Dry	Dry
Dissolved Oxygen	(ntu)			1.4		1.8		Dry	Dry
Alkalinity	(mg/l)			2.81		3.5		Dry	Dry
Ammonia (as N)	(mg/l)			410		21	<10	Dry	Dry
BOD (5 Day)	(mg/l)			0.2		0.69	0.15	Dry	Dry
COD	(mg/l)			2		<1	<10	Dry	Dry
Chloride	(mg/l)			17.1		17	23	Dry	Dry
Total dissolved solids (TDS)	(mg/l)			62		45	0.5	Dry	Dry
Total suspended solids	(mg/l)			806		750	28	Dry	Dry
Nitrate	(mg/l)			5		14	<4	Dry	Dry
Iron (Dissolved)	(mg/l)			0.92		<0.05	<0.05	Dry	Dry
Manganese (Dissolved)	(mg/l)			0.01		0.58	0.47	Dry	Dry
	(mg/l)			0.92		9.00	9.60	5.00	0.82

Notes:

This table has been modified to expand the data collected for this period.
The table, and part of the information contained in it, was obtained from AARON Environmental and Analytical Consulting Technologies.

Table 3
CRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-3

CONSTITUENT:	SITE:	DATE:	RESULT TYPE:	RESULT TYPE:	RESULT TYPE:	RESULT TYPE:	RESULT TYPE:	RESULT TYPE:
pH	MW-3	4/13/1999	Primary	Duplicate	MW-3	7/13/1999	Primary	MW-3
Specific conductance								
Temperature								
Turbidity								
Dissolved Oxygen								
Alkalinity								
Ammonia (as N)								
BOD (5 Day)								
COD								
Chloride								
Total dissolved solids (TDS)								
Total suspended solids								
Nitrate								
Iron (Dissolved)								
Manganese (Dissolved)								

Notes:
This table has been modified to expand the data collected for this period.
The table, and part of the information contained in it, was obtained from AARON Environmental and Analytical Consulting Technologies.

Table 3
CRA

Waterbury Landfill
Annual Historical Groundwater Summary MW-3

CONSTITUENT:	SITE:	RESULT TYPE:	MW-3		MW-3		MW-3		MW-3	
	DATE:		5/30/2000	10/10/2000	12/19/2000	1/9/2001	4/24/2001	7/30/2001		
pH		(SU)	NS	NS	NS	NS	NS	NS	NS	
Specific conductance		(uMhos)	NS	NS	NS	NS	NS	NS	NS	
Temperature		(C deg)	NS	NS	NS	NS	NS	NS	NS	
Turbidity		(ntu)	NS	NS	NS	NS	NS	NS	NS	
Dissolved Oxygen		(mg/l)	NS	NS	NS	NS	NS	NS	NS	
Alkalinity		(mg/l)	NS	NS	NS	NS	NS	NS	NS	
Ammonia (as N)		(mg/l)	NS	NS	NS	NS	NS	NS	NS	
BOD (5 Day)		(mg/l)	NS	NS	NS	NS	NS	NS	NS	
COD		(mg/l)	NS	NS	NS	NS	NS	NS	NS	
Chloride		(mg/l)	NS	NS	NS	NS	NS	NS	NS	
Total dissolved solids (TDS)		(mg/l)	NS	NS	NS	NS	NS	NS	NS	
Total suspended solids		(mg/l)	NS	NS	NS	NS	NS	NS	NS	
Nitrate		(mg/l)	NS	NS	NS	NS	NS	NS	NS	
Iron (Dissolved)		(mg/l)	NS	NS	NS	NS	NS	NS	NS	
Manganese (Dissolved)		(mg/l)	NS	NS	NS	NS	NS	NS	NS	

Notes:

This table has been modified to expand the data collected for this period.
The table, and part of the information contained in it, was obtained from AARON Environmental and Analytical Consulting Technologies.

Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-3

CONSTITUENT:	SITE:	DATE:	RESULT TYPE:
pH	MW-3	10/25/2001	Primary
Specific conductance			NS
Temperature			NS
Turbidity			NS
Dissolved Oxygen			NS
Alkalinity			NS
Ammonia (as N)			NS
BOD (5 Day)			NS
COD			NS
Chloride			NS
Total dissolved solids (TDS)			NS
Total suspended solids			NS
Nitrate			NS
Iron (Dissolved)			NS
Manganese (Dissolved)			NS

Notes:

This table has been modified to expand the data collected for this period.
The table, and part of the information contained in it, was obtained from AARON Environmental and Analytical Consulting Technologies.

Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-C

CONSTITUENT:	SITE:	DATE:	RESULT TYPE:	MW-C	MW-C	MW-C	MW-C	MW-C	MW-C	MW-C	MW-C	MW-C	MW-C	MW-C												
	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:												
pH	(SU)	1/21/2002	Primary	7.27	4/22/2002	Primary	6.48	7/11/2002	Primary	6.40	10/14/2002	Primary	6.85	1/31/2003	Primary	6.19	4/1/2003	Primary	5.20	7/10/2003	Primary	6.08	7/10/2003	Matrix Spike	7/10/2003	Matrix Spike Duplicate
Specific conductance	(uMhos)			702		> 1999		934		944		944		1043		834		834		10.1		988				
Temperature	(C deg)			14.6		14.5		19.1		16.9		16.9		8.9		10.1		10.1		13.9		13.9				
Turbidity	(ntu)			NM		103.5		72.0		11.8		11.8		14.5		190.2		4.72		1.84		1.84				
Dissolved Oxygen	(mg/l)			232		5.98		386		538		538		280		42		308		2.94		2.94				
Alkalinity	(mg/l)			0.98		0.28		0.84		0.56		0.56		<0.1		<0.100		<0.100		6		6				
Ammonia (as N)	(mg/l)			7		4		2		3		3		3		1		1		7.5		7.5				
BOD (5 Day)	(mg/l)			< 2		15.0		18.7		18.7		18.7		22.2		3.7		3.7		57.6		57.6				
COD	(mg/l)			26.5		50.4		66.0		20.7		20.7		50.3		71.7		71.7		0.039		0.039				
Chloride	(mg/l)			0.19		0.39		< 0.005		0.04		0.04		1.25		3.11		3.11		576		576				
Nitrate	(mg/l)			382		784		422		566		566		900		324		324		97		97				
Total dissolved solids (TDS)	(mg/l)			4330		5610		6370		451		451		588		5		5		<0.020		<0.020				
Total suspended solids	(mg/l)			< 0.02		< 0.02		1.37		0.13		0.13		0.02		<0.02		<0.02		103.00%		103.00%				
Iron (Dissolved)	(mg/l)			3.50		1.36		3.25		5.50		5.50		0.10		0.03		0.03		90.00%		90.00%				
Manganese (Dissolved)	(mg/l)																									

Notes:
 This table has been modified to expand the data collected for this period.
 The table, and part of the information contained in it, was obtained from AARON Environmental and ACT. MW-3 was damaged and replaced in January 2002 with MW-C.

Table 3
 CRRA
 Waterbury Landfill
 Annual Historical Groundwater Summary MW-C

CONSTITUENT:	SITE:	DATE:	RESULT TYPE:	10/1/2003	1/9/2004	4/19/2004	7/1/2004	10/27/2004	10/27/2004	1/13/2005	1/13/2005	4/14/2005	4/14/2005
pH	MW-C	10/1/2003	Primary	6.25	5.8	6.19	6.32	6.23	6.24	6.54	6.58	6.08	6.14
Specific conductance	MW-C	10/1/2003	Primary	895	718	718	690	120	119	721	720	700	700
Temperature	MW-C	10/1/2003	(C deg)	14.7	10.6	14.1	14.9	15.7	15.7	12.7	12.7	12.8	12.8
Turbidity	MW-C	10/1/2003	(ntu)	197.7	83	163	327	620	620	626	626	172	172
Dissolved Oxygen	MW-C	10/1/2003	(mg/l)	4.21	NS	7.51	7.5	7.8	7.8	6.4	6.4	3.8	3.8
Alkalinity	MW-C	10/1/2003	(mg/l)	346	198.1	321	268	300	334	276	318	410	280
Ammonia (as N)	MW-C	10/1/2003	(mg/l)	<0.100	0.21	<0.1	0.12	0.6	0.62	0.06	0.05	ND<0.05	ND<0.05
BOD (5 Day)	MW-C	10/1/2003	(mg/l)	5	6.53	12.8	12	6	6	11	12	30	35
COD	MW-C	10/1/2003	(mg/l)	25.6	3.7	15	93.2	52.1	52.1	39.3	41.9	33.5	38.7
Chloride	MW-C	10/1/2003	(mg/l)	32.6	29.2	17.731	62.3	29	29.2	46.6	47.2	80.7	81
Nitrate	MW-C	10/1/2003	(mg/l)	0.02	3.66	0.204	<0.05	<0.05	<0.05	0.72	0.76	0.11	0.13
Total dissolved solids (TDS)	MW-C	10/1/2003	(mg/l)	674	360	570	462	585	612	550	530	460	470
Total suspended solids	MW-C	10/1/2003	(mg/l)	600	10,596	3410	370	132	126	84	84	112	84
Iron (Dissolved)	MW-C	10/1/2003	(mg/l)	4.72	0.18	0.05	3.46	5.03	5.41	0.016	0.019	0.111	0.048
Manganese (Dissolved)	MW-C	10/1/2003	(mg/l)	7.20	1.15	0.74	4.07	5.15	5.39	0.608	0.632	0.377	0.298

Notes:

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Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-C

CONSTITUENT:	SITE:	MW-C	MW-C	MW-C
	DATE:	7/14/2005	7/14/2005	10/6/2005
RESULT TYPE:		Primary	Duplicate	
pH	(SU)	5.92	6	6.31
Specific conductance	(uMhos)	718	725	714
Temperature	(C deg)	15.8	15.8	16.2
Turbidity	(ntu)	201	201	457
Dissolved Oxygen	(mg/l)	3.6	3.6	8.4
Alkalinity	(mg/l)	250	360	282
Ammonia (as N)	(mg/l)	0.12	0.02	0.63
BOD (5 Day)	(mg/l)	152	127	22
COD	(mg/l)	152	127	82.6
Chloride	(mg/l)	91	90	59.8
Nitrate	(mg/l)	0.06	0.06	0.05
Total dissolved solids (TDS)	(mg/l)	480	480	452
Total suspended solids	(mg/l)	1740	790	927
Iron (Dissolved)	(mg/l)	0.018	0.131	9.69
Manganese (Dissolved)	(mg/l)	0.024	0.509	3.86

Notes:

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Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-4B

CONSTITUENT:	SITE:	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B
	DATE:	7/25/1995	7/25/1995	10/10/1995	10/10/1995	1/16/1996	1/16/1996	4/9/1996	4/9/1996	7/16/1996	10/8/1996	10/8/1996
RESULT TYPE:		Primary	Duplicate 1	Primary	Duplicate 1	Primary	Duplicate 1	Primary	Duplicate 1	Primary	Primary	Primary
pH	(SU)	6.01	6.01	5.91	5.91	5.34	5.34	6.65	6.65	6.16	6.25	6.25
Specific conductance	(µMhos)	476	476	524	524	338	338	506	506	445	612	612
Temperature	(C deg)	15.9	15.9	13.5	13.5	5.8	5.8	7.7	7.7	14.1	13.0	13.0
Turbidity	(ntu)	6.05	6.05	4.24	4.24	2.10	2.10	2.20	2.20	14.1	3.07	3.07
Dissolved Oxygen	(mg/l)	3.3	3.3	62	68	16.0	16.0	6.1	6.1	3.9	3.9	3.9
Alkalinity	(mg/l)	59	59	62	68	84	88	56	56	44	130	130
Ammonia (as N)	(mg/l)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
BOD (5 Day)	(mg/l)	<2	<2	5	7	<2	<2	<2	<2	<2	<2	<2
COD	(mg/l)	<0.1	<0.01	2.9	4.5	<0.01	<0.01	4.6	3.3	3.3	<0.01	<0.01
Chloride	(mg/l)	9	9	10	9	7	7	8	8	8	8	8
Total dissolved solids (TDS)	(mg/l)	360	372	360	396	466	444	358	378	290	426	426
Total suspended solids	(mg/l)	31	30	17	14	-1	<5	-3	4	8	<5	<5
Nitrate	(mg/l)	2.5	2.7	2.4	2.5	2.2	2.2	1.9	1.9	1.7	1.1	1.1
Iron (Dissolved)	(mg/l)	<0.01	0.02	0.012	0.01	<0.01	0.03	<0.01	<0.01	0.13	<0.01	<0.01
Manganese (Dissolved)	(mg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.02

Notes:
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The table, and part of the information contained in it, was obtained from AARON Environmental and Analytical Consulting Technologies.

Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-4B

CONSTITUENT:	SITE: DATE:	MW-4B 1/7/1997	MW-4B 4/8/1997	MW-4B 7/15/1997	MW-4B 10/14/1997	MW-4B 1/6/1998	MW-4B 4/7/1998	MW-4B 7/28/1998	MW-4B 10/27/1998	MW-4B 1/26/1999	MW-4B 4/13/1999
	RESULT TYPE:	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
pH	(SU)		7.10			6.27	6.18	6.70	7.29	7.53	7.24
Specific conductance	(uMhos)		570			582	538	380	302	703	417
Temperature	(C deg)		8.9			11.8	8.9	14.8	14.0	10.5	9.7
Turbidity	(ntu)		0.40			0.27	0.55	0.90	1.00	1.00	1.00
Dissolved Oxygen	(mg/l)	102	6.8	42	66	79	74	92	5.5	5.2	4.0
Alkalinity	(mg/l)	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.05	<0.05
Ammonia (as N)	(mg/l)	<2	<2	<2	<2	<2	<2	<1	<10	<10	<10
BOD (5 Day)	(mg/l)	2.5	3.2	3.6	5.3	1.5	5.5	<5	<10	<10	<10
COD	(mg/l)	5	5	5	6	4	5	38	<5	<5	<5
Chloride	(mg/l)	364	322	239	290	379	376	290	<20	900	290
Total dissolved solids (TDS)	(mg/l)	<5	<5	<5	<5	<5	<5	<4	<4	<4	<4
Total suspended solids	(mg/l)	1.9	1.5	1.9	2.0	2.6	2.8	1.3	<0.05	0.8	1.4
Nitrate	(mg/l)	0.19	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.05	<0.03
Iron (Dissolved)	(mg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.15	<0.05	<0.05
Manganese (Dissolved)	(mg/l)										

Notes:
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Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-4B

CONSTITUENT:	SITE: DATE:	MW-4B 7/13/1999	MW-4B 10/26/1999	MW-4B 1/18/2000	MW-4B 5/30/2000	MW-4B 10/10/2000	MW-4B 12/19/2000	MW-4B 1/9/2001	MW-4B 4/24/2001	MW-4B 7/30/2001	MW-4B 7/30/2001 Duplicate
RESULT TYPE:		Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate
pH	(SU)	6.34	6.58	8.60	7.00	7.15	8.70	9.85	8.48	5.89	5.89
Specific conductance	(uMhos)	363	386	400	NM	457	528	515	286	483	483
Temperature	(C deg)	21.0	14.0	3.0	NM	10.7	8.9	3.4	13.5	17.7	17.7
Turbidity	(ntu)	2.20	2.10	0.80	1.20	NM	NM	NM	NM	> 5	> 5
Dissolved Oxygen	(mg/l)	1.9	94	3.5	NM	3.4	4.9	9.4	3.4	6.1	6.1
Alkalinity	(mg/l)	60	94	75	51	62	84	86	86	62	60
Ammonia (as N)	(mg/l)	<0.05	<0.05	<0.01	0.015	<0.01	0.15	<0.01	<0.01	<0.1	<0.1
BOD (5 Day)	(mg/l)	<10	<20	<10	<10	<10	<10	<10	<10	<1	<1
COD	(mg/l)	<10	<10	<5	7.7	6.0	10.0	<10	<10	18.7	15.0
Chloride	(mg/l)	5	<10	6	26	28	19	28	23	22	22
Total dissolved solids (TDS)	(mg/l)	220	330	260	250	280	340	350	390	282	278
Total suspended solids	(mg/l)	4	<4	<4	22	<4	<4	2.5	6	86	48
Nitrate	(mg/l)	1.7	0.6	0.6	1.4	2.7	2.5	0.3	2.9	2.1	1.6
Iron (Dissolved)	(mg/l)	<0.01	<0.03	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.02	<0.02
Manganese (Dissolved)	(mg/l)	<0.01	0.32	<0.005	0.19	0.46	1.40	0.56	0.80	0.10	<0.02

Notes:
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Table 3
CRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-4B

CONSTITUENT:	SITE DATE:	RESULT TYPE:	10/25/2001		2/21/2002		2/21/2002		4/22/2002	
			MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B
pH	10/25/2001	(SU)	Primary	Duplicate	Primary	Duplicate	Matrix Spike	Matrix Spike Duplicate	Primary	Matrix Spike
Specific conductance	10/25/2001	(uMhos)	5.69	5.69	5.20	5.20			5.95	
Temperature	10/25/2001	(C deg)	18.6	18.6	8.7	8.7			7.9	
Turbidity	10/25/2001	(ntu)	NM	NM	NM	NM			25.90	
Dissolved Oxygen	10/25/2001	(mg/l)	5.2	5.2	7.5	7.5			6.4	
Alkalinity	10/25/2001	(mg/l)	64	68	70	70			86	
Ammonia (as N)	10/25/2001	(mg/l)	0.42	0.42	0.84	< 0.1			0.42	
BOD (5 Day)	10/25/2001	(mg/l)	< 1	< 1	4.95	4.95			4.58	
COD	10/25/2001	(mg/l)	< 2	< 2	< 2	< 2			25.6	
Chloride	10/25/2001	(mg/l)	1	1	20	19			19	
Total dissolved solids (TDS)	10/25/2001	(mg/l)	352	378	292	316			476	
Total suspended solids	10/25/2001	(mg/l)	26	25	99	61			106	
Nitrate	10/25/2001	(mg/l)	0.2	0.1	2.5	2.4			3.0	
Iron (Dissolved)	10/25/2001	(mg/l)	0.02	0.02	< 0.02	< 0.02	98.00%	96.20%	< 0.02	98.50%
Manganese (Dissolved)	10/25/2001	(mg/l)	< 0.02	< 0.02	0.03	0.025	93.40%	94.00%	< 0.02	99.80%
										99.80%
										105.50%
										98.60%
										101.40%

Notes:
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Table 3
CRRRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-4B

CONSTITUENT:	SITE:	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B	MW-4B
	DATE:	7/1/2002	7/1/2002	7/1/2002	10/14/2002	1/31/2003	4/1/2003	7/10/2003	10/1/2003	1/9/2004	
RESULT TYPE:		Primary	Matrix Spike	Matrix Spike Duplicate	Primary	Primary	Primary	Primary	Primary	Primary	
pH	(SU)	5.87			6.55	6.39	5.15	6.26	5.78	6.56	
Specific conductance	(uMhos)	542			895	728	503	589	571	560	
Temperature	(C deg)	14.6			15.6	7.0	7.4	11.8	17.0	150.1	
Turbidity	(ntu)	1.90			4.2	42.50	15.00	18.00	148.00	60.1	
Dissolved Oxygen	(mg/l)	4.5			4.98	7.5	7.5	6.1	5.5	NS	
Alkalinity	(mg/l)	50			306	82	72	60	50	67.1	
Ammonia (as N)	(mg/l)	1.4	96.00%	96.00%	0.42	<0.1	<0.1	0.14	<0.1	0.28	
BOD (5 Day)	(mg/l)	3			6	6.00	<1.0	5	3	0.43	
COD	(mg/l)	15.0	107.00%	102.00%	15	18.7	3.7	15.0	15.0	3.7	
Chloride	(mg/l)	27	101.00%	98.00%	26.8	28	20	27	32	43.9	
Total dissolved solids (TDS)	(mg/l)	610			614	482	356	386	322	370	
Total suspended solids	(mg/l)	123			48	222	102	18	614	24.66	
Nitrate	(mg/l)	1.4	95.00%	95.00%	0.17	3.0	3.2	2.5	3.0	4.73	
Iron (Dissolved)	(mg/l)	0.07	111.40%	111.00%	0.62	<0.02	0.09	<0.02	<0.02	<0.02	
Manganese (Dissolved)	(mg/l)	0.03	107.40%	109.10%	6.28	0.11	0.05	0.04	<0.02	<0.02	

Notes:
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Table 3
CRA
Waterbury Landfill
Annual Historical Groundwater Summary MW-4B

CONSTITUENT:	SITE: DATE:	MW-4B 4/19/2004	MW-4B 7/1/2004	MW-4B 10/27/2004	MW-4B 1/13/2005	MW-4B 4/14/2005	MW-4B 7/14/2005	MW-4B 10/6/2005
	RESULT TYPE:	Primary	Primary	Primary	Primary	Primary	Primary	Primary
pH	(SU)	5.86	6	5.94	6.12	6.05	5.75	6.21
Specific conductance	(uMhos)	423	410	112	426	380	432	429
Temperature	(C deg)	9.5	12.5	13	12.4	9.9	10.9	13.1
Turbidity	(ntu)	172	151	200	190	19.1	38	187
Dissolved Oxygen	(mg/l)	7.23	7.4	6.7	6.2	8	2.9	10.1
Alkalinity	(mg/l)	62	46	74	60	56	52	52.6
Ammonia (as N)	(mg/l)	<0.1	<0.1	<0.05	ND<0.05	ND<0.05	ND<0.05	0.09
BOD (5 Day)	(mg/l)	6.62	6	2	4	14	13	25
COD	(mg/l)	<2.0	21.3	39.3	29	23.2	15.4	25.8
Chloride	(mg/l)	15.175	23.5	26.6	25	15.7	18.1	22
Total dissolved solids (TDS)	(mg/l)	290	291	420	330	290	270	304
Total suspended solids	(mg/l)	320	160	165	90	19	90	178
Nitrate	(mg/l)	3.562	2.08	2.22	2.12	2.39	-1.6	1.83
Iron (Dissolved)	(mg/l)	<0.02	0.046	0.005	ND<0.005	0.009	6.42	0.028
Manganese (Dissolved)	(mg/l)	<0.04	0.081	0.008	ND<0.005	0.006	3.03	0.029

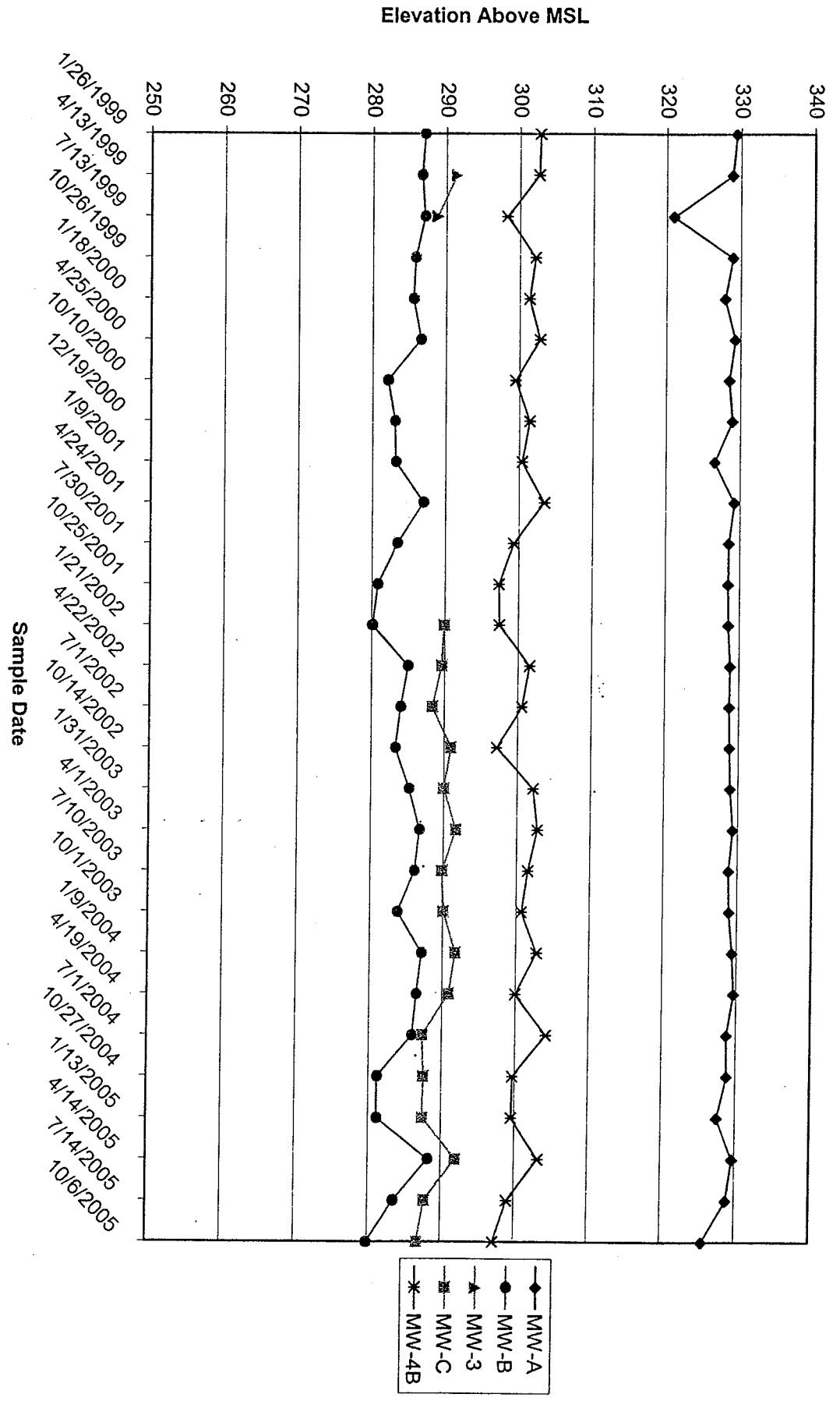
Notes:
This table has been modified to expand the data collected for this period.
The table, and part of the information contained in it, was obtained from AARON Environmental and Analytical Consulting Technologies.

Table 4
2005 Groundwater Elevation Summary

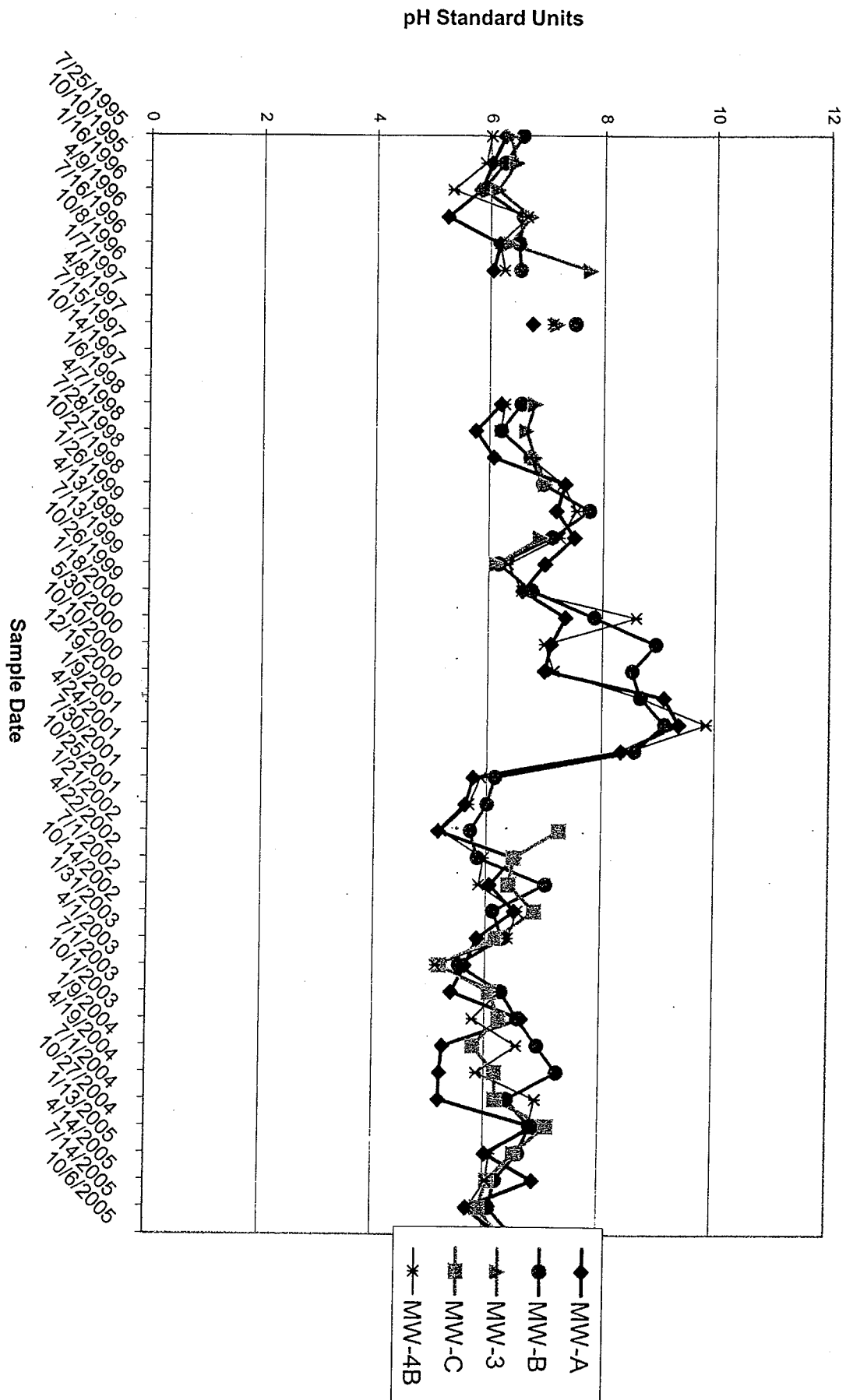
SAMPLE DATE	MW-A	MW-B	MW-C	MW-4B
1/13/05	327.54	281.15	287.46	299.51
4/14/05	329.67	288.21	291.95	303.28
7/14/05	328.87	283.47	287.78	298.97
10/6/05	325.62	279.84	286.79	297.17

*Notes: Units in Feet Above Mean Sea Level
Elevations Taken From the Top of the PVC Casings*

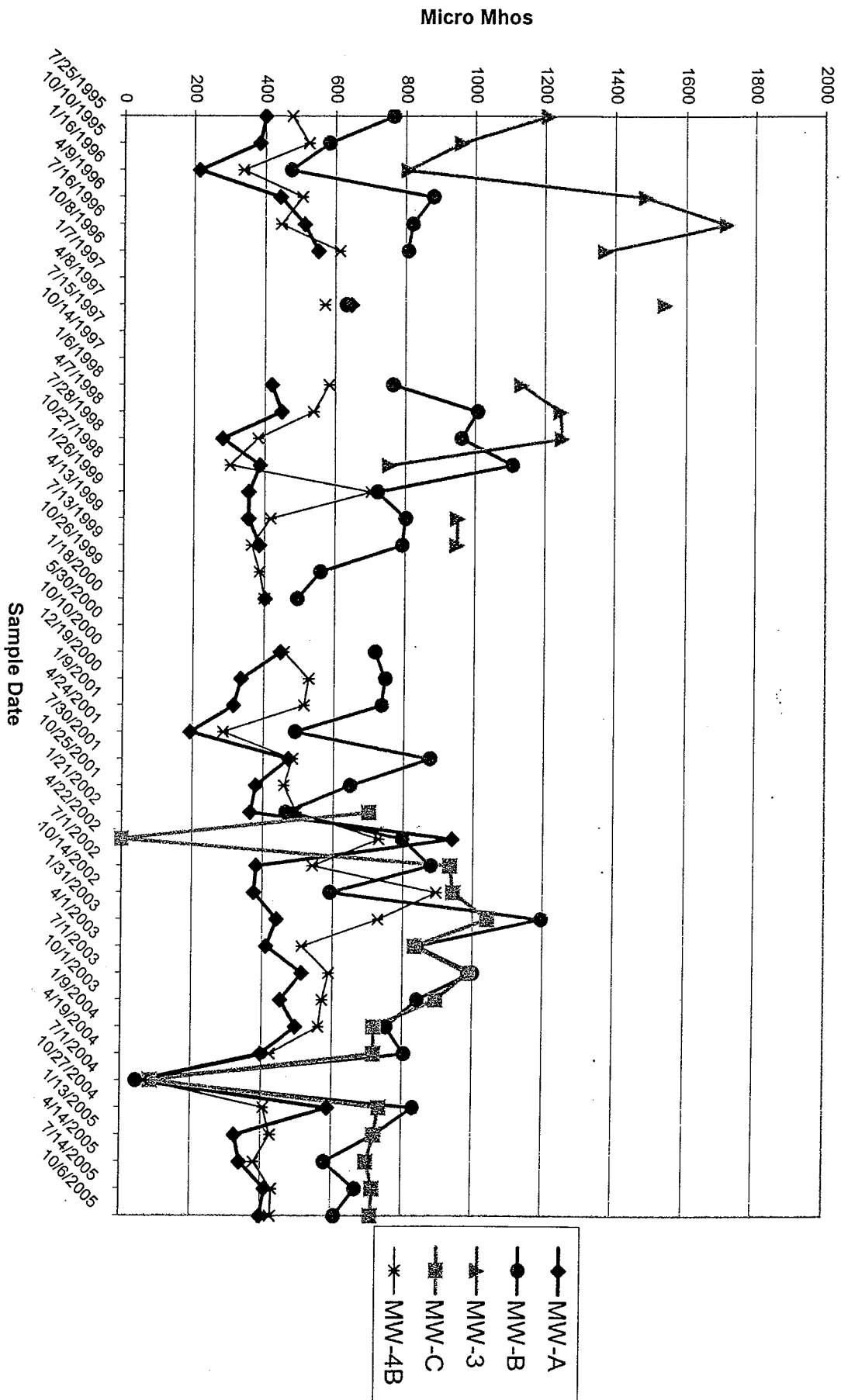
Historical Groundwater Elevation



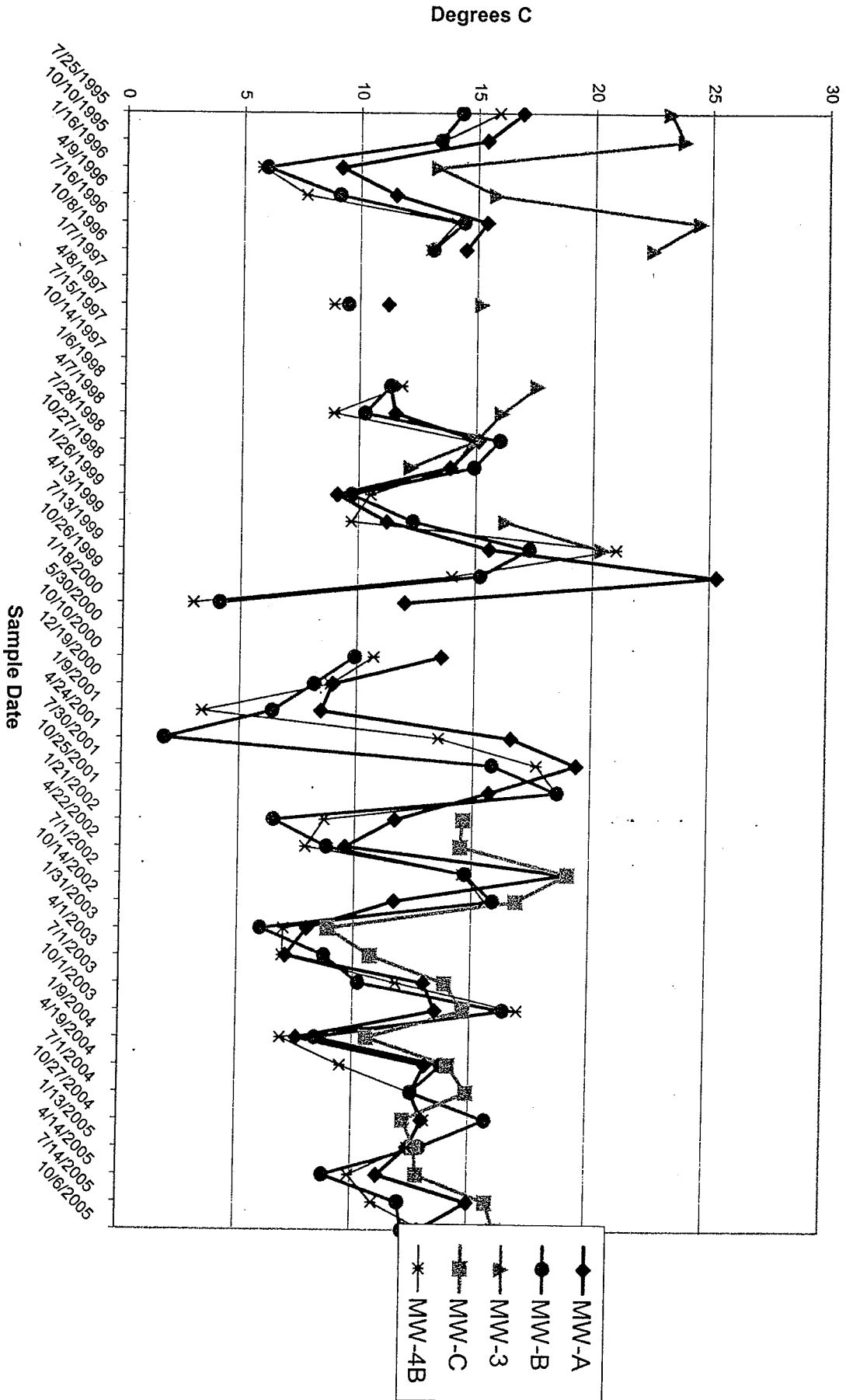
Historical pH



Historical Conductance

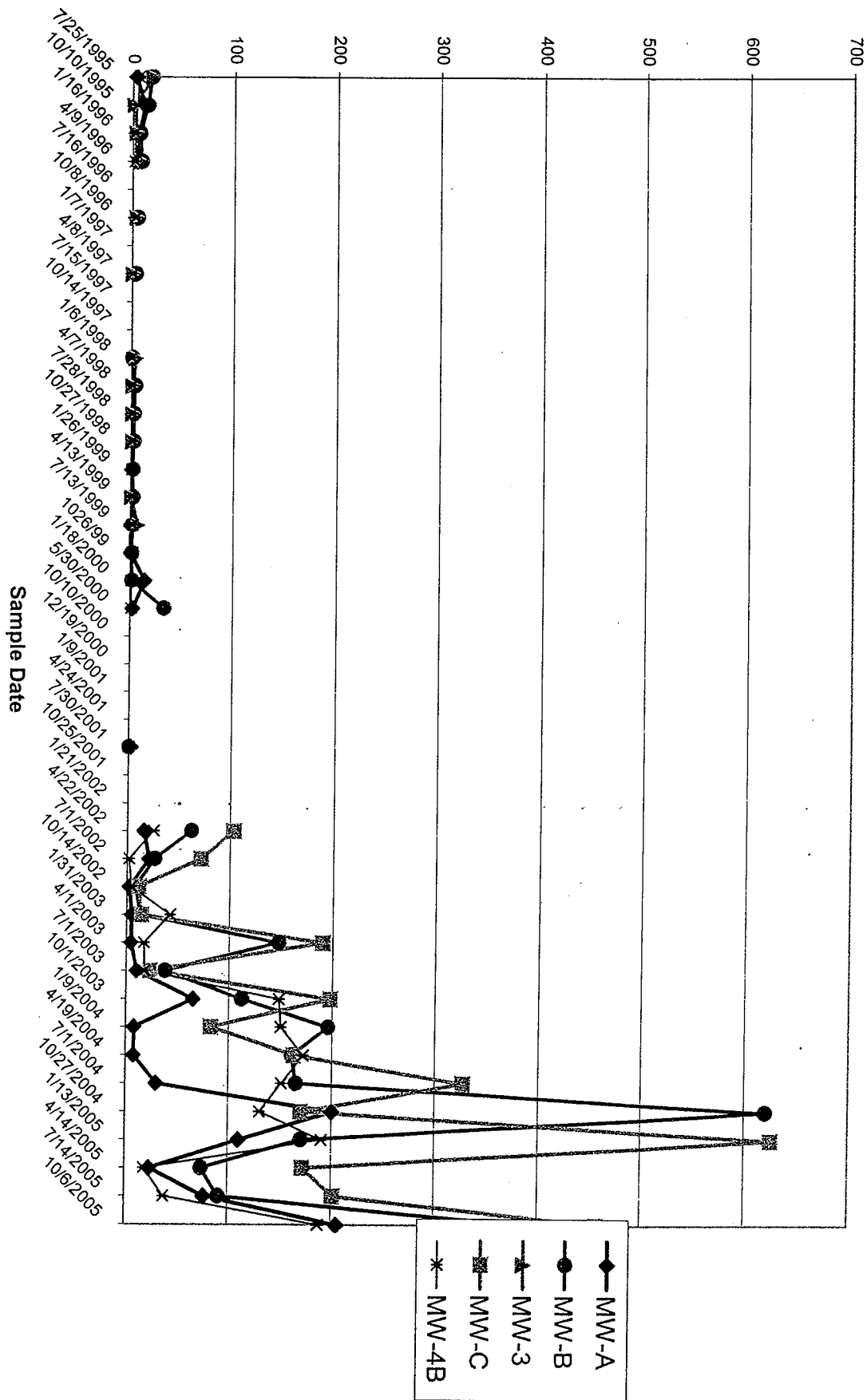


Historical Temperature

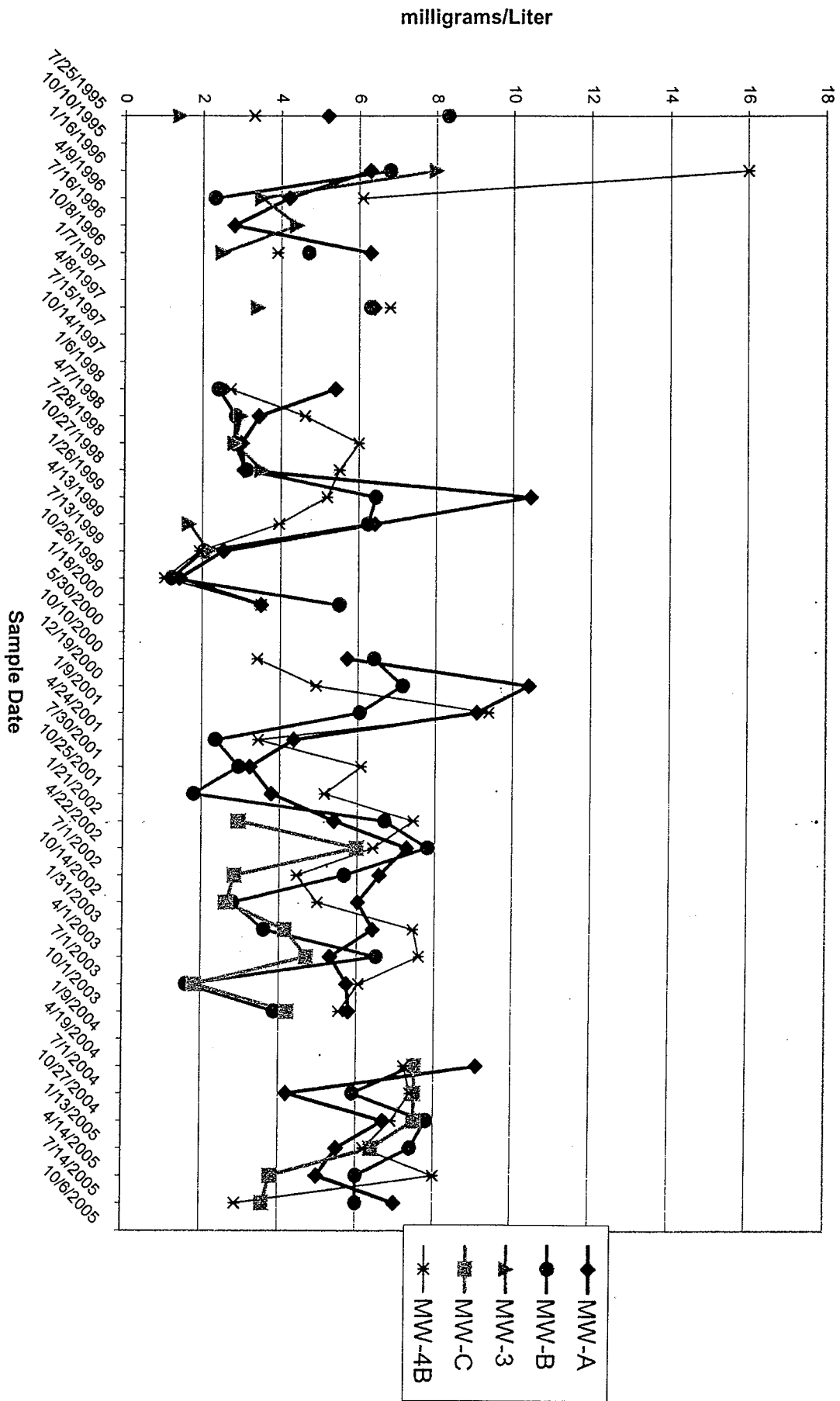


NTU Turbidity Units

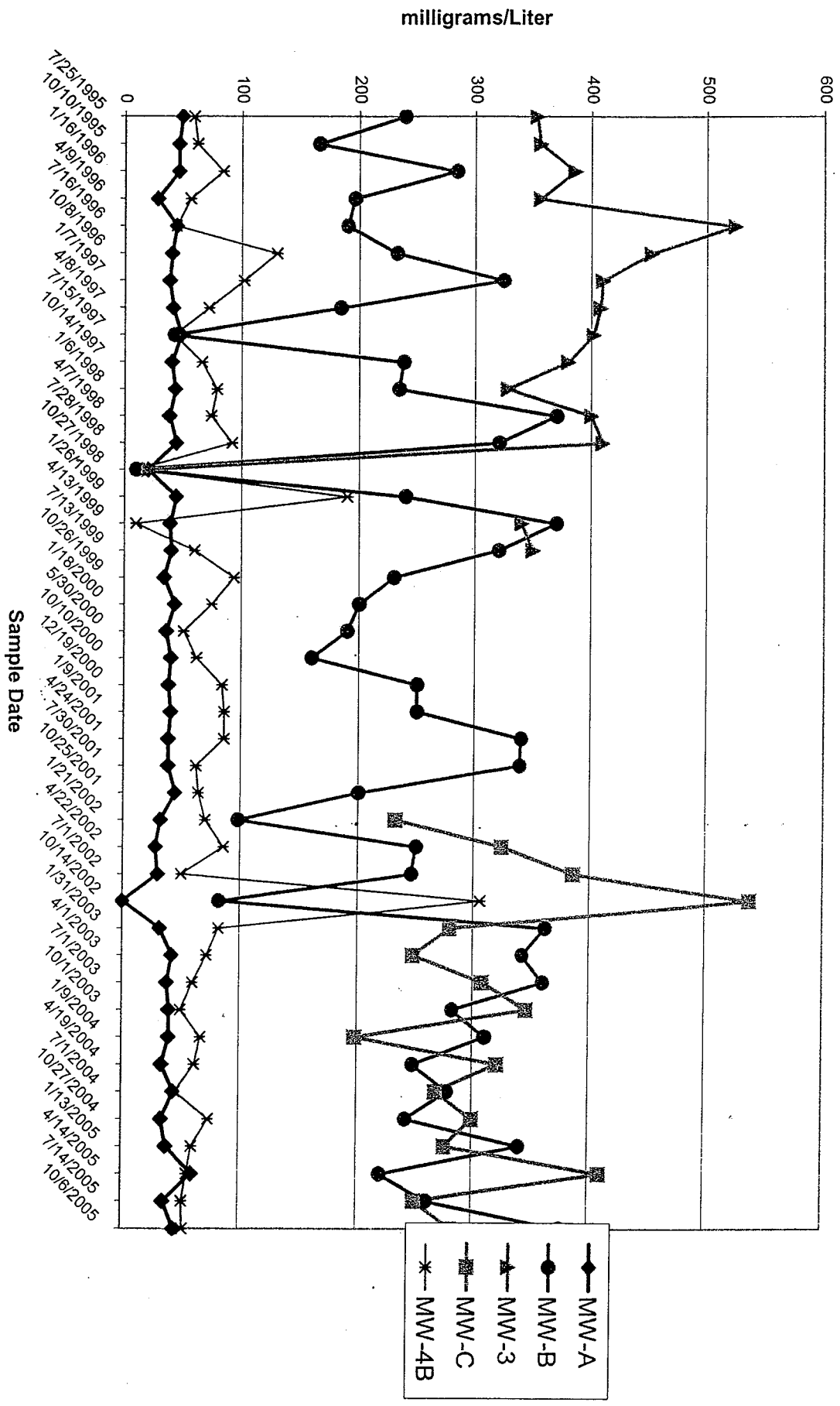
Historical Turbidity



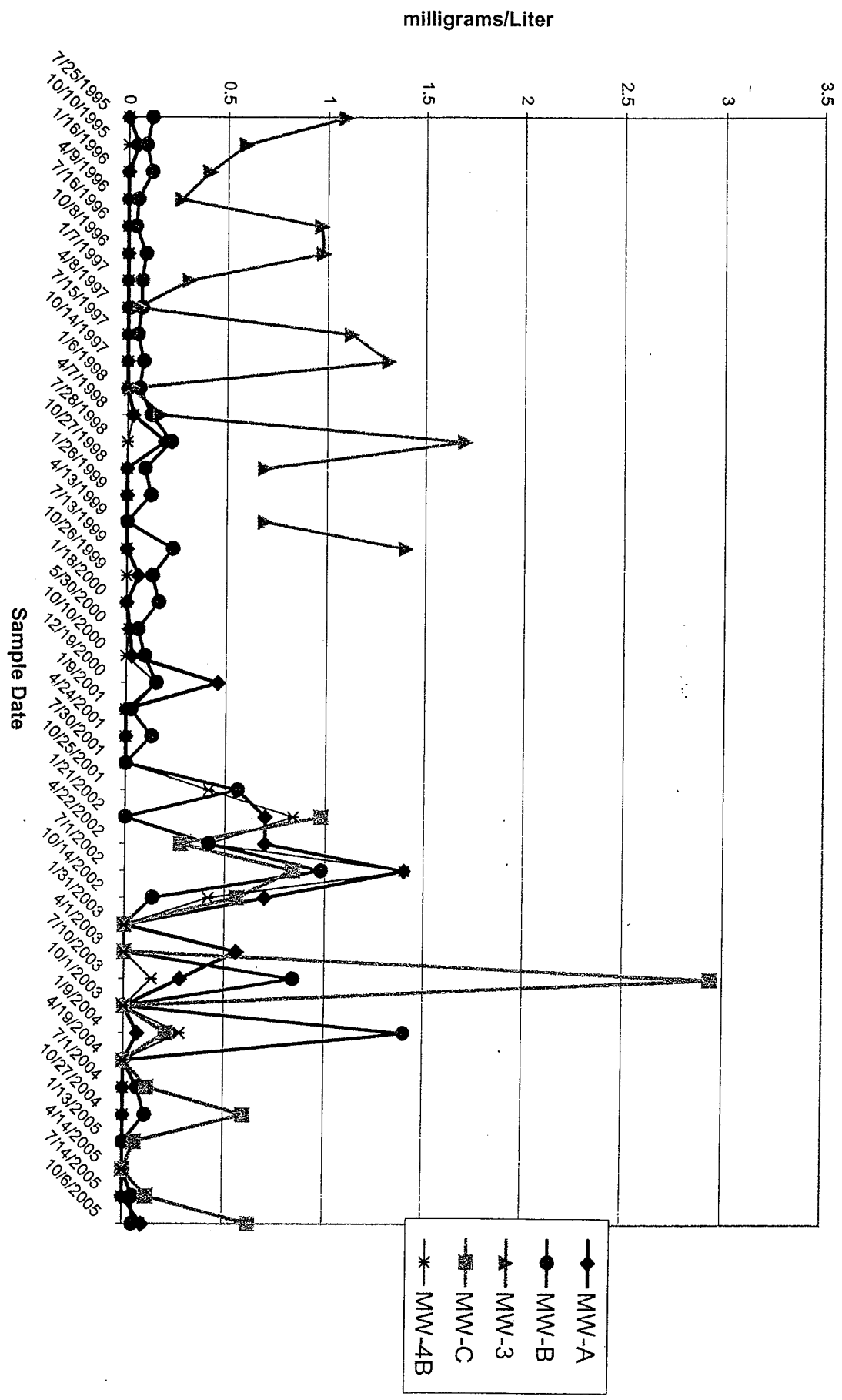
Historical Dissolved Oxygen



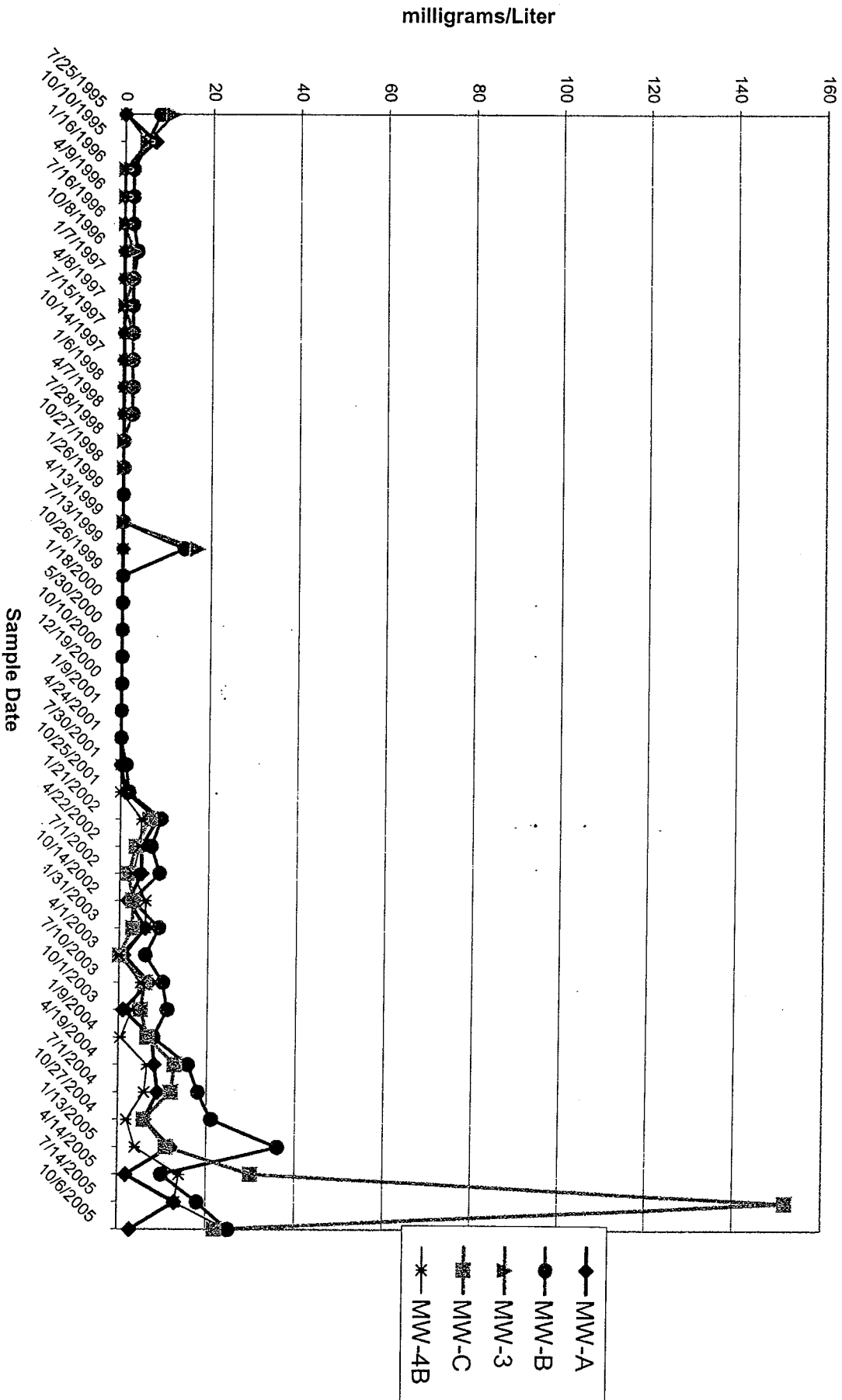
Historical Alkalinity



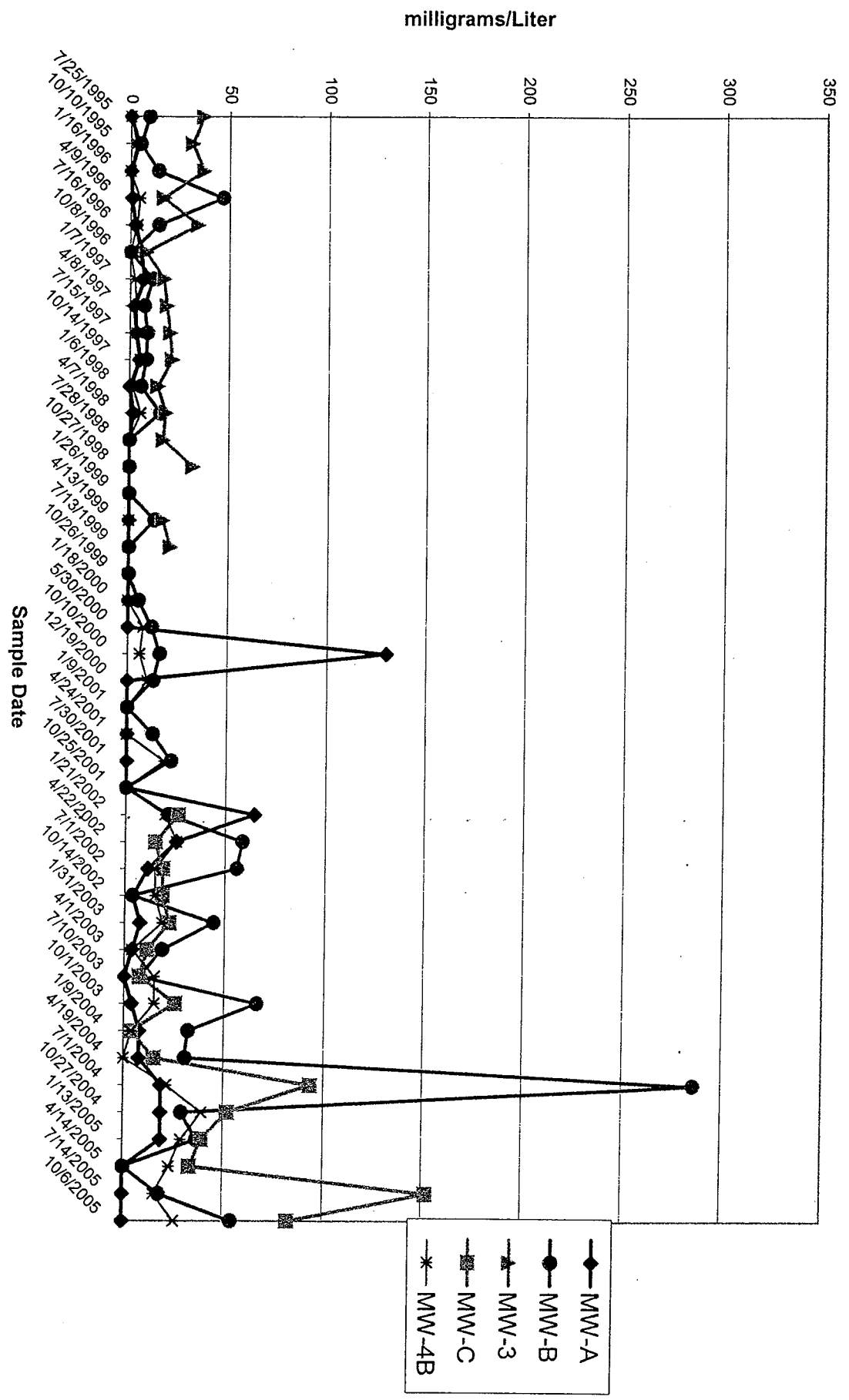
Historical Ammonia (as Nitrogen)



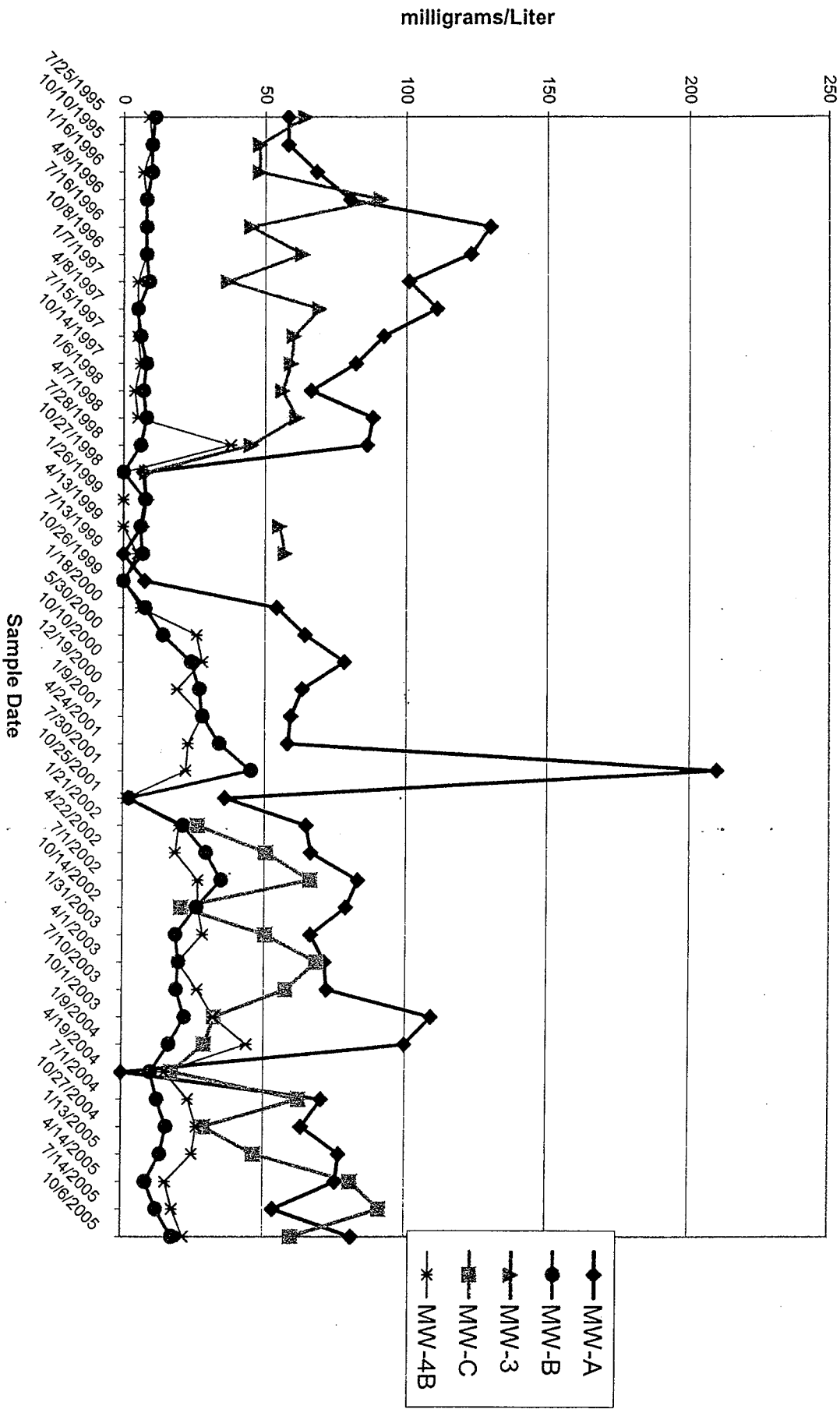
Historical Biological Oxygen Demand (5 Day)



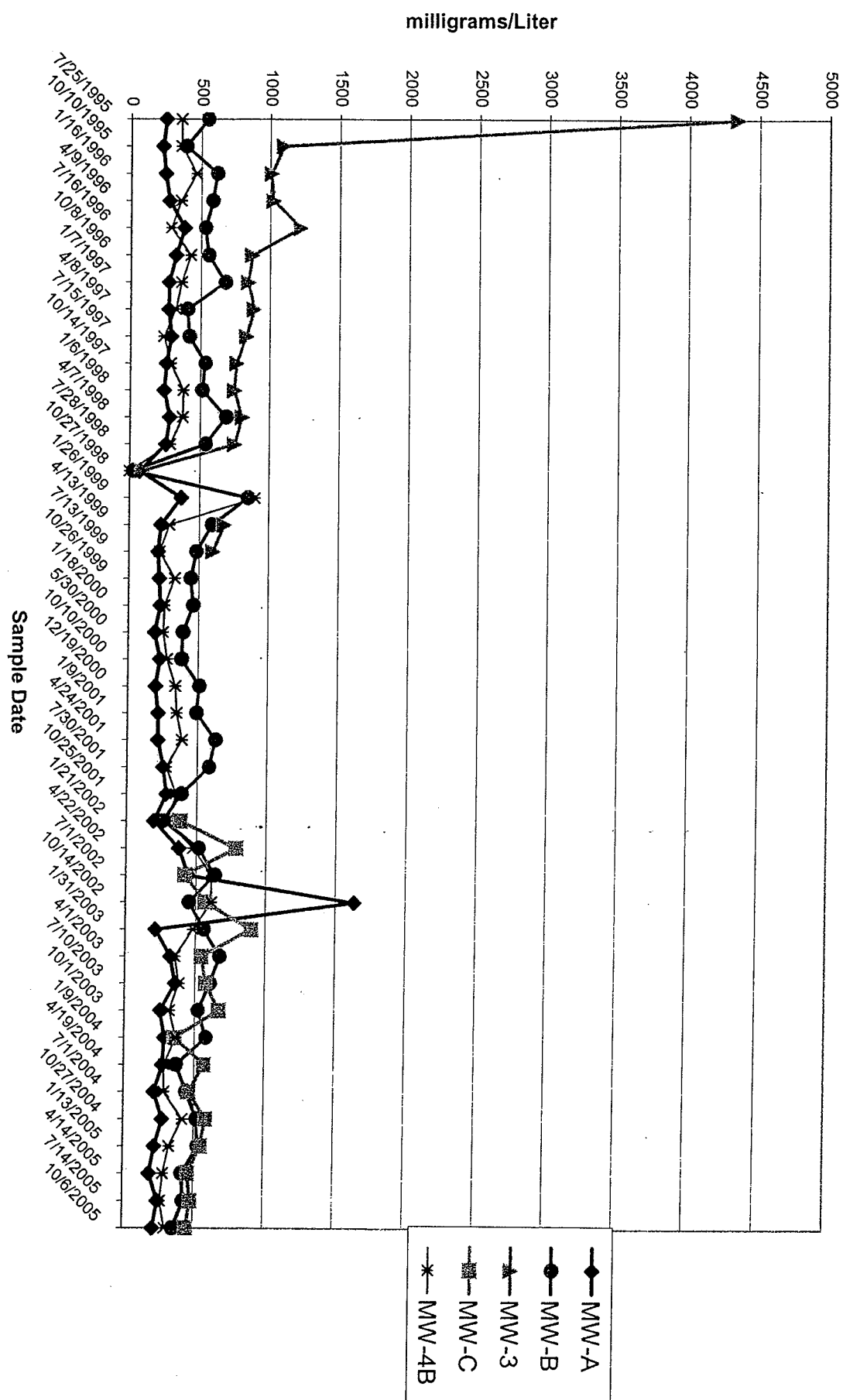
Historical Chemical Oxygen Demand



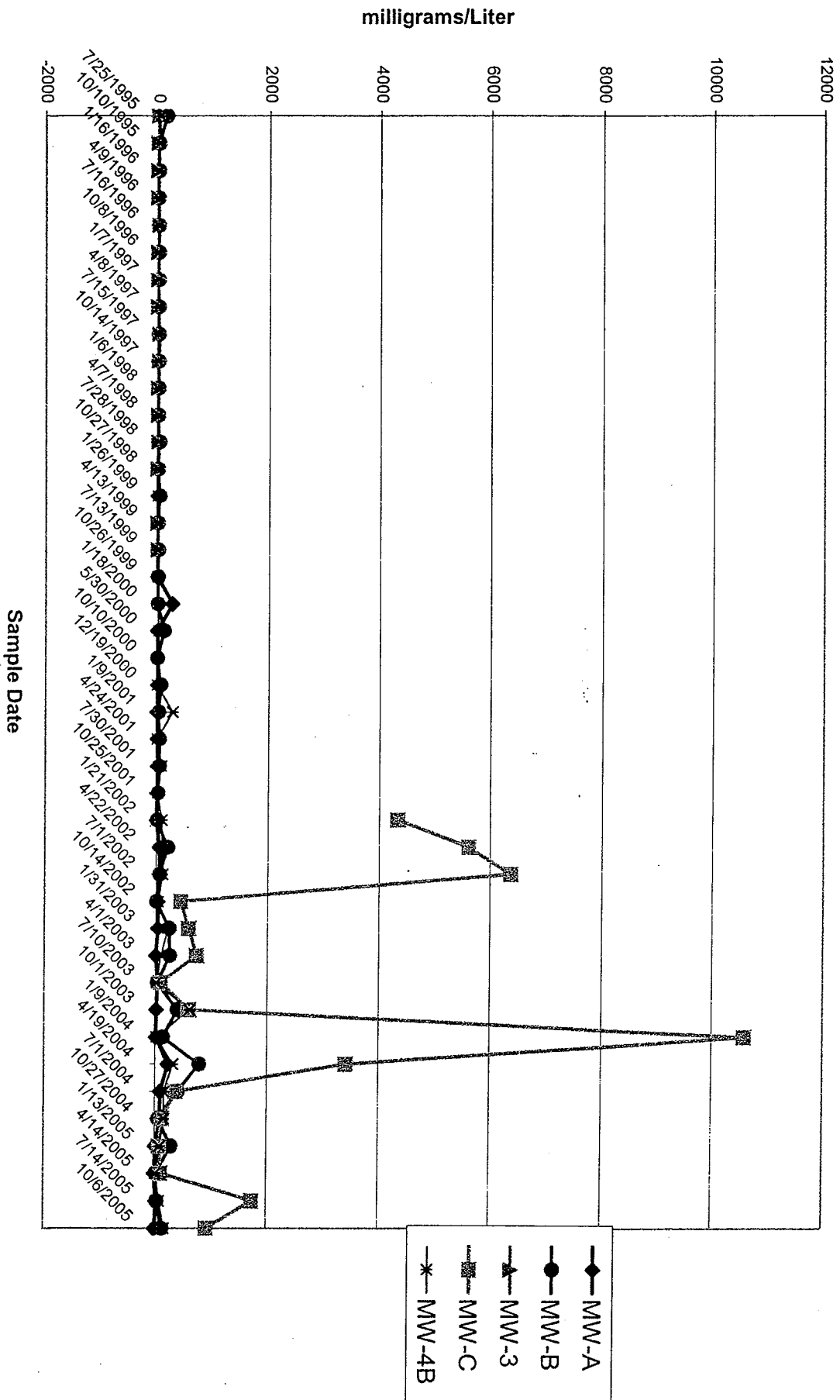
Historical Chloride



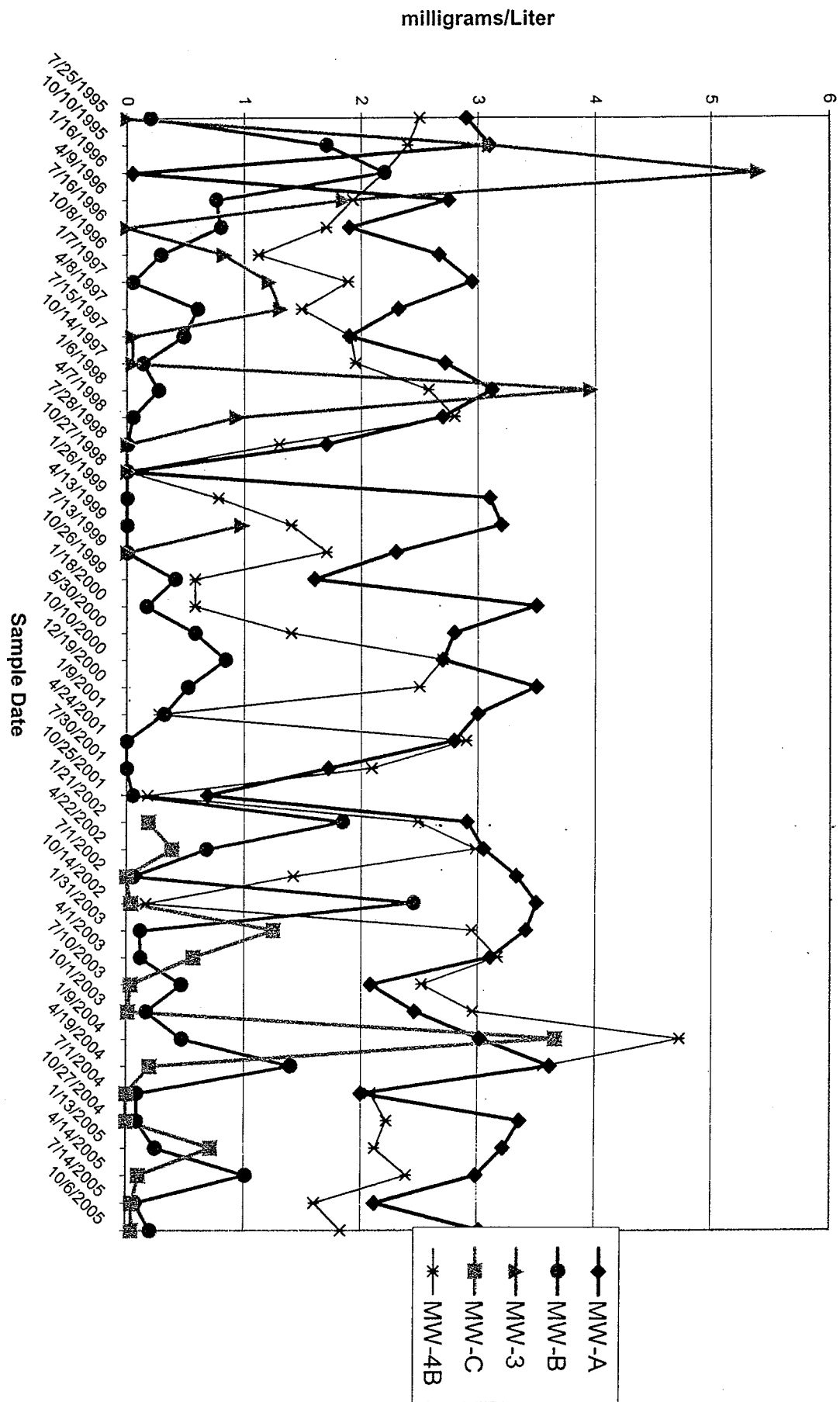
Historical Total Dissolved Solids



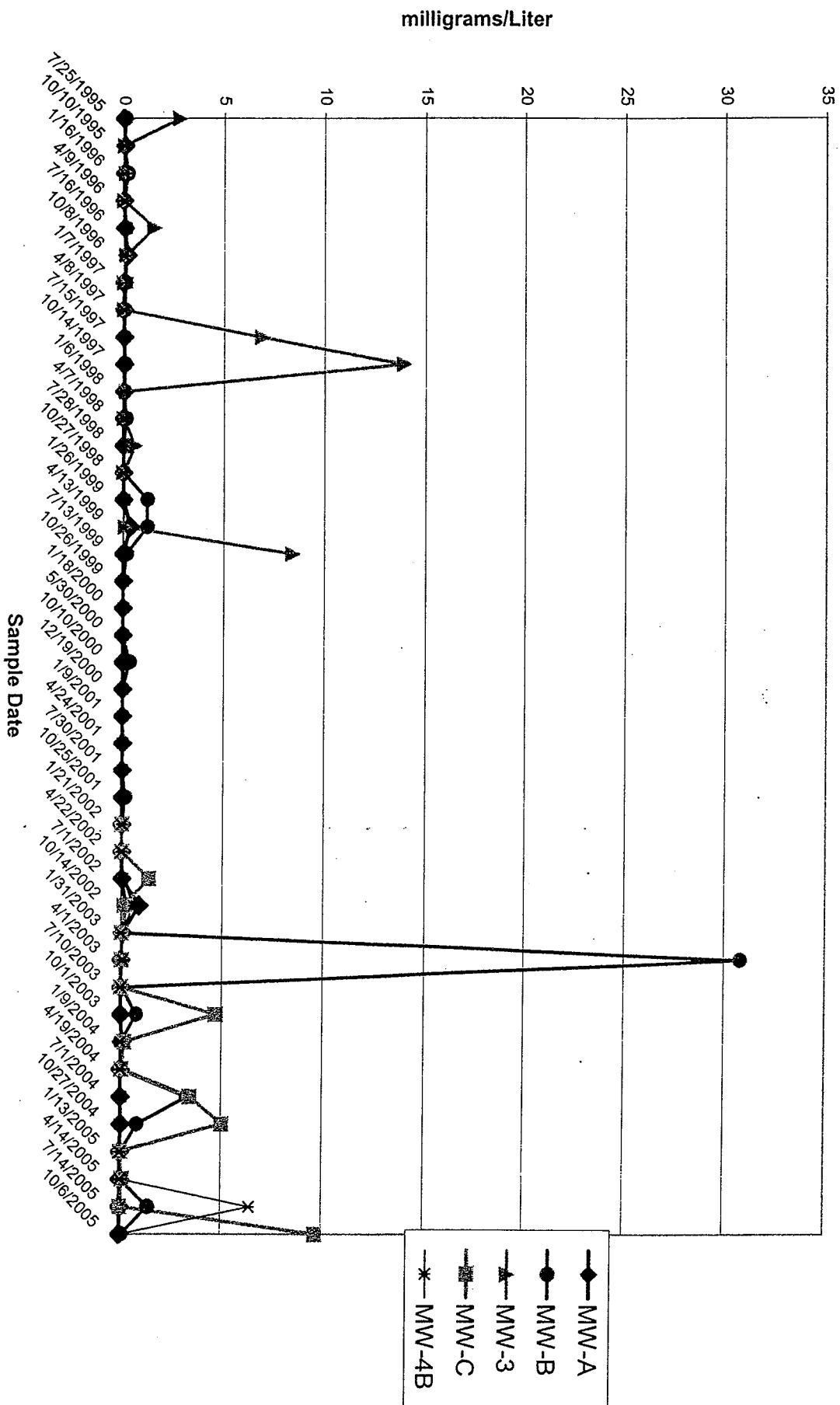
Historical Total Suspended Solids



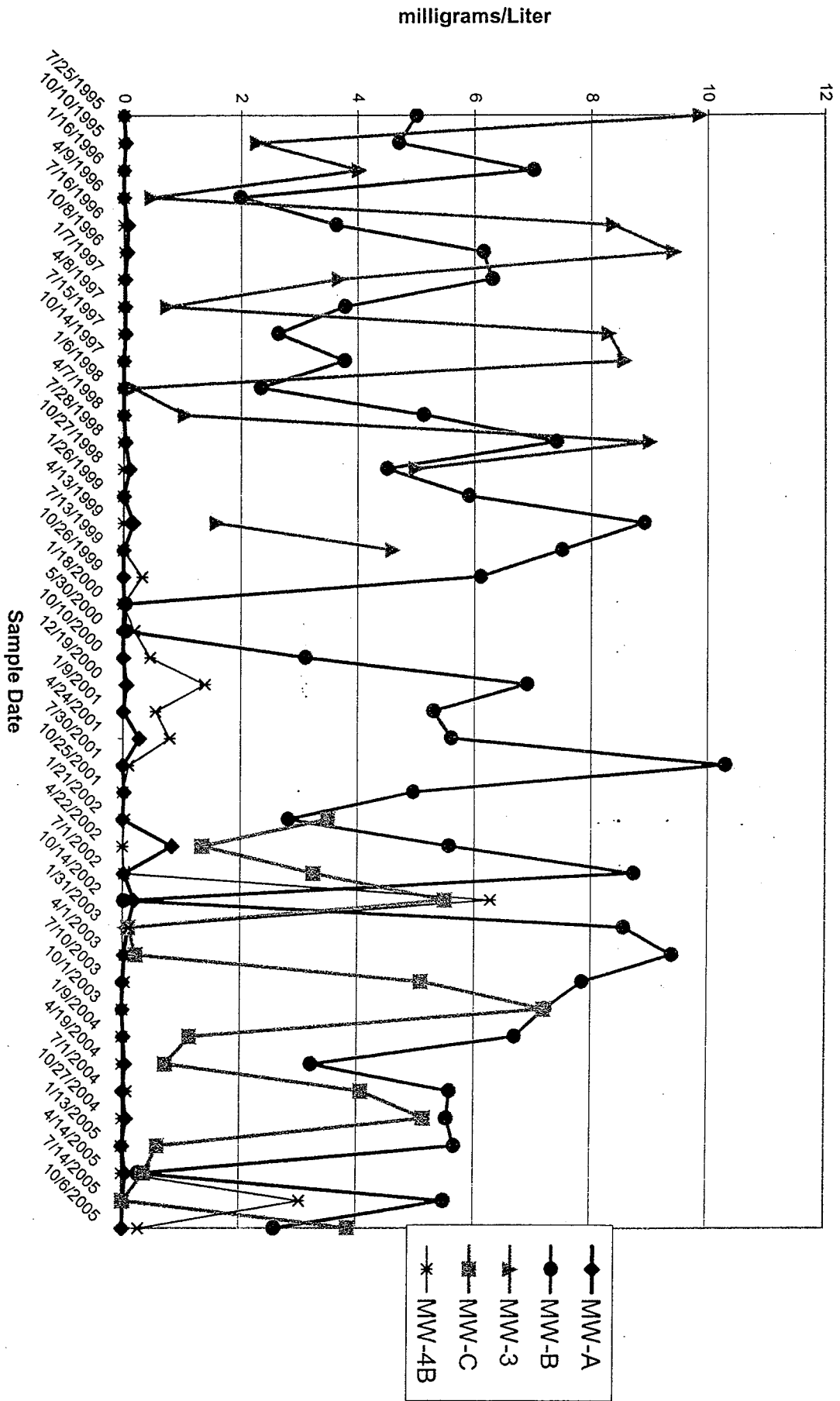
Historical Nitrate



Historical Iron (Dissolved)



Historical Manganese (Dissolved)



120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166



CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 NJ License No. CT401

Report Date: 1/25/2005
Re: Client Project ID: 1632/CRA/Waterbury
York Project No.: 05010254 R2

Diversified Environmental Serv.
806 West Queen Street
Southington, CT 06489
Attention: Bryce McMin

prepared for

Technical Report

ANALYTICAL LABORATORIES, INC.

YORK

Client Sample ID	York Sample ID	Matrix	Parameter	Method	Units	Results	MDL	Results	MDL
MW-A	05010254-01	WATER							
MW-B	05010254-02	WATER							
			Alkalinity-Total	SM403	mg/L	38.0	2.0	340	2.0
			B.O.D.(5-day)	EPA 405.1	mg/L	12	1.0	36	1.0
			Chloride	EPA300/SW9056	mg/L	76.6	2.5	13.7	0.5
			C.O.D.	SM 5220 D	mg/L	18.8	10.0	36.7	10.0
			Conductivity	EPA 120.1	umhos/cm	326	1.0	720	1.0
			Iron, Dissolved	SW846-6010	mg/L	Not detected	0.005	0.036	0.005
			Manganese, Dissolved	SW846-6010	mg/L	0.007	0.005	5.66	0.005
			Ammonia	EPA300/SW9056	mg/L	Not detected	0.05	Not detected	0.05
			Nitrate	EPA 300/SW9056	mg/L	3.22	0.05	0.25	0.05
			pH	EPA 150.1	units	6.03	---	6.60	---
			Total Dissolved Solids	EPA 160.1	mg/L	225	0.5	530	0.5
			Total Suspended Solids	EPA 160.2	mg/L	15.0	0.5	290	0.5

Analysis Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 01/13/05. The project was identified as your project "1632/CRRAM/Waterbury". The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables. All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report. All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable. The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Purpose and Results

Report Date: 1/25/2005
 Client Project ID: 1632/CRRAM/Waterbury
 York Project No.: 05010254 R2
Diversified Environmental Serv.
 806 West Queen Street
 Southington, CT 06489
 Attention: Bryce McMillin

Date: 1/25/2005

Robert Q. Bradley
Managing Director

Approved By: *[Signature]*

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Notes for York Project No. 05010254 R2

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Client Sample ID	Method	Units	Results	MDL
MW-4				
York Sample ID				05010254-05
Matrix				WATER
Parameter				
Alkalinity-Total	SM403	mg/L	60.0	2.0
B.O.D.(5-day)	EPA 405.1	mg/L	4.0	1.0
Chloride	EPA300/SW9056	mg/L	25.0	0.5
C.O.D.	SM 5220 D	mg/L	29.0	10.0
Conductivity	EPA 120.1	umhos/cm	426	1.0
Iron, Dissolved	SW846-6010	mg/L	Not detected	0.005
Manganese, Dissolved	SW846-6010	mg/L	Not detected	0.005
Ammonia	EPA300/SW9056	mg/L	Not detected	0.05
Nitrate	EPA 300/SW9056	mg/L	2.12	0.05
pH	EPA 150.1	units	6.12	---
Total Dissolved Solids	EPA 160.1	mg/L	330	0.5
Total Suspended Solids	EPA 160.2	mg/L	90.0	0.5

Client Sample ID	Method	Units	Results	MDL
MW-CC				
York Sample ID				05010254-04
Matrix				WATER
Parameter				
Alkalinity-Total	SM403	mg/L	276	2.0
B.O.D.(5-day)	EPA 405.1	mg/L	11	1.0
Chloride	EPA300/SW9056	mg/L	46.6	2.5
C.O.D.	SM 5220 D	mg/L	39.3	10.0
Conductivity	EPA 120.1	umhos/cm	721	1.0
Iron, Dissolved	SW846-6010	mg/L	0.016	0.005
Manganese, Dissolved	SW846-6010	mg/L	0.608	0.005
Ammonia	EPA300/SW9056	mg/L	0.06	0.05
Nitrate	EPA 300/SW9056	mg/L	0.72	0.05
pH	EPA 150.1	units	6.54	---
Total Dissolved Solids	EPA 160.1	mg/L	550	0.5
Total Suspended Solids	EPA 160.2	mg/L	84.0	0.5

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615
 (203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Company Name: DES

Report To: Boyer McMin

Invoice To: DES

Project ID/No. 1032-1000A/waterbury

Samples Collected By (Signature): AUSAN CAMP
 Name (Printed): AUSAN CAMP

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
MW-A		1/13/05	X				1 - One liter 1 - 250mL H ₂ O 1 - 250mL filtered sample w/ NITR	
MW-B								
MW-C								
MW-00								
MW-4								

pH, specific conductivity (m), Alkalinity, Ammonia (NH₃), BOD, Chloride, COD, Nitrate (NO₃-N), TDS, TSS, Dissolved Iron, Dissolved manganese.

Chain-of-Custody Record

Bottles Relinquished from Lab by _____ Date/Time _____

Sample Relinquished by: AUSAN CAMP Date/Time: 1/13/05 3:05

Bottles Received in Field by _____ Date/Time _____

Sample Relinquished by _____ Date/Time _____

Sample Received by: AUSAN CAMP Date/Time: 1-13-04 3:00
 Sample Received in LAB by: AUSAN CAMP Date/Time: _____

Comments/Special Instructions _____

Turn-Around Time _____
 Standard _____ RUSH(define) _____



New York License No. 10854

CT License No. PH-0723

Report Date: 4/21/2005
Re: Client Project ID: 1633 CRRA-Waterbury Landfill
York Project No.: 05040414

Diversified Environmental Serv.
806 West Queen Street
Southington, CT 06489
Attention: B. McMinn

prepared for

Technical Report

Report Date: 4/21/2005
 Client Project ID: 1633 CRA-Waterbury Landfill
 York Project No.: 05040414

Diversified Environmental Serv.
 806 West Queen Street
 Southington, CT 06489
 Attention: B. McMinn

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 04/14/05. The project was identified as your project "1633 CRA-Waterbury Landfill."

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s):

Analysis Results

Client Sample ID	MW-A	MW-B
York Sample ID	05040414-01	05040414-02
Matrix	WATER	WATER
Parameter	Method	MDL Results
Alkalinity-Total	SM403	2.0
B.O.D.(5-day)	EPA 405.1	2.0
Chloride	EPA300/SW9056	75.3
C.O.D.	SM 5220 D	Not detected
Conductivity	EPA 120.1	341
Iron, Dissolved	SW846-6010	0.007
Manganese, Dissolved	SW846-6010	0.005
Ammonia	EPA300/SW9056	0.005
Nitrate	EPA 300/SW9056	2.99
pH	EPA 150.1	6.87
Total Dissolved Solids	EPA 160.1	190
Total Suspended Solids	EPA 160.2	1.0

Robert Q. Bradley
Managing Director

Date: 4/21/2005

Approved By: 

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submission of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Notes for York Project No. 05040414

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Client Sample ID	York Sample ID	Matrix	Parameter	Method	Units	Results	MDL
MW-4	05040414-05	WATER					
			Alkalinity-Total	SM403	mg/L	56.0	2.0
			B.O.D.(5-day)	EPA 405.1	mg/L	14	1.0
			Chloride	EPA300/SW9056	mg/L	15.7	0.5
			C.O.D.	SM 5220 D	mg/L	23.2	10.0
			Conductivity	EPA 120.1	umhos/cm	380	1.0
			Iron, Dissolved	SW846-6010	mg/L	0.009	0.005
			Manganese, Dissolved	SW846-6010	mg/L	0.006	0.005
			Ammonia	EPA300/SW9056	mg/L	Not detected	0.05
			Nitrate	EPA 300/SW9056	mg/L	2.39	0.05
			pH	EPA 150.1	units	6.05	---
			Total Dissolved Solids	EPA 160.1	mg/L	290	0.5
			Total Suspended Solids	EPA 160.2	mg/L	19.0	0.5

Client Sample ID	York Sample ID	Matrix	Parameter	Method	Units	Results	MDL
MW-CC	05040414-04	WATER					
			Alkalinity-Total	SM403	mg/L	410	10.0
			B.O.D.(5-day)	EPA 405.1	mg/L	30	1.0
			Chloride	EPA300/SW9056	mg/L	80.7	2.5
			C.O.D.	SM 5220 D	mg/L	33.5	10.0
			Conductivity	EPA 120.1	umhos/cm	700	1.0
			Iron, Dissolved	SW846-6010	mg/L	0.111	0.005
			Manganese, Dissolved	SW846-6010	mg/L	0.377	0.005
			Ammonia	EPA300/SW9056	mg/L	Not detected	0.05
			Nitrate	EPA 300/SW9056	mg/L	0.11	0.05
			pH	EPA 150.1	units	6.08	---
			Total Dissolved Solids	EPA 160.1	mg/L	460	0.5
			Total Suspended Solids	EPA 160.2	mg/L	112	0.5

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615
 (203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

05040114

Company Name <i>Dis</i>	Report To: <i>B. McNamee, Des</i>	Invoice To: <i>Des</i>	Project ID/No. <i>1633 CORA - WATERBURY CANDFREC</i>	Samples Collected By (Signature) <i>Dee</i>
			Name (Printed) <i>Don Scyula</i>	

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
1	MW-A	4/14/05	X				PH, Specific Conductivity, Alkalinity, Ammonia, BOD5, Chloride, COD, Nitrate, TDS, TSS, Dissolved Iron	1-1 liter 1-250 cu is
2	MW-B						Dissolved Manganese	
3	MW-C							
4	MW-CC							
5	MW-4							

Chain-of-Custody Record

Bottles Relinquished from Lab by <i>Dee</i>	Date/Time <i>4/14/05</i>	Sample Relinquished by <i>Dee</i>	Date/Time <i>4/14/05</i>	Sample Received in Lab by <i>Don Scyula</i>	Date/Time <i>4/14/05</i>
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in Lab by	Date/Time

Comments/Special Instructions

Turn-Around Time Standard RUSH(define)



New York License No. 10854

CT License No. PH-0723

Report Date: 7/20/2005
Re: Client Project ID: 1633 CRA / Waterbury LF
York Project No.: 05070371

Diversified Environmental Serv.
806 West Queen Street
Southington, CT 06489
Attention: D. Albertson

prepared for

Technical Report

Client Sample ID	York Sample ID	Matrix	Method	Units	Results	MDL	Results	MDL
MW-A	05070371-01	WATER						
MW-B	05070371-02	WATER						
			Alkalinity-Total	mg/L	36.0	2.0	260	2.0
			B.O.D.(5-day)	mg/L	13	1.0	18	1.0
			Chloride	mg/L	53.5	2.5	12.3	0.5
			C.O.D.	mg/L	Not detected	10.0	18.0	10.0
			Conductivity	umhos/cm	412	1.0	668	1.0
			Iron, Dissolved	mg/L	0.006	0.005	1.40	0.005
			Manganese, Dissolved	mg/L	0.025	0.005	5.49	0.005
			Ammonia	mg/L	Not detected	0.05	0.05	0.05
			Nitrate	mg/L	2.12	0.05	0.08	0.05
			pH	units	5.71	---	6.10	---
			Total Dissolved Solids	mg/L	250	0.5	430	0.5
			Total Suspended Solids	mg/L	30.0	0.5	38.0	0.5

Analysis Results

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 07/14/05. The project was identified as your project "1633 CRA / Waterbury LF."

Purpose and Results

Report Date: 7/20/2005
 Client Project ID: 1633 CRA / Waterbury LF
 York Project No.: 05070371
 Diversified Environmental Serv.
 806 West Queen Street
 Southington, CT 06489
 Attention: D. Albertson

Managing Director

Robert Q. Bradley
 Approved By

Date: 7/20/2005

- Notes for York Project No. 05070371**
1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
 5. All samples were received in proper condition for analysis with proper documentation.
 6. All analyses conducted met method or Laboratory SOP requirements.
 7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Client Sample ID	York Sample ID	Matrix	Parameter	Method	Units	Results	MDL
MW-4	05070371-05	WATER					
			Alkalinity-Total	SM 2320B	mg/L	52.0	2.0
			B.O.D.(5-day)	EPA 405.1	mg/L	13	1.0
			Chloride	EPA300/SW9056	mg/L	18.1	0.5
			C.O.D.	SM 5220 D	mg/L	15.4	10.0
			Conductivity	EPA 120.1	umhos/cm	432	1.0
			Iron, Dissolved	SW846-6010	mg/L	6.42	0.005
			Manganese, Dissolved	SW846-6010	mg/L	3.03	0.005
			Ammonia	EPA300/SW9056	mg/L	Not detected	0.05
			Nitrate	EPA 300/SW9056	mg/L	1.60	0.05
			pH	EPA 150.1	units	5.75	--
			Total Dissolved Solids	EPA 160.1	mg/L	270	0.5
			Total Suspended Solids	EPA 160.2	mg/L	90.0	0.5

Client Sample ID	York Sample ID	Matrix	Parameter	Method	Units	Results	MDL
MW-CC	05070371-04	WATER					
			Alkalinity-Total	SM 2320B	mg/L	250	2.0
			B.O.D.(5-day)	EPA 405.1	mg/L	152	1.0
			Chloride	EPA300/SW9056	mg/L	91.0	2.5
			C.O.D.	SM 5220 D	mg/L	152	10.0
			Conductivity	EPA 120.1	umhos/cm	718	1.0
			Iron, Dissolved	SW846-6010	mg/L	0.018	0.005
			Manganese, Dissolved	SW846-6010	mg/L	0.024	0.005
			Ammonia	EPA300/SW9056	mg/L	0.12	0.05
			Nitrate	EPA 300/SW9056	mg/L	0.05	0.05
			pH	EPA 150.1	units	5.92	---
			Total Dissolved Solids	EPA 160.1	mg/L	480	0.5
			Total Suspended Solids	EPA 160.2	mg/L	1740	0.5

Field Chain-of-Custody Record

Company Name DES	Report To: D. Albertson	Invoice To: DES	Project ID/No. Waterbury CT 1633 CRAA
Samples Collected By (Signature) <i>[Signature]</i>		Name (Printed) Dan Scyuba	

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
1	MW - A	7/14/05	X				pH, specific conductivity, Alkalinity, Ammonia (as N), BODs, chloride, COD, nitrate (as N), TDS, TSS, Dissolved Solids, Dissolved manganese	1 - 100ml R asis 1 - 100ml S asis 1 - 100ml S asis
2	MW - B							
3	MW - C							
4	MW - CC							
5	MW - Y							

Chain-of-Custody Record

Bottles Relinquished from Lab by *[Signature]* Date/Time 7/14/05

Bottles Relinquished by *[Signature]* Date/Time 7/14/05

Sample Relinquished by *[Signature]* Date/Time 7-14-05

Sample Received in LAB by *[Signature]* Date/Time 7-14-05

Turn-Around Time 4.9 Standard X RUSH(define)

Comments/Special Instructions



New York License No. 10854

CT License No. PH-0723

Report Date: 10/17/2005
Re: Client Project ID: 1633
York Project No.: 05100223

Diversified Environmental Serv.
806 West Queen Street
Southington, CT 06489
Attention: Mr. Derek Albertson

prepared for

Technical Report

ANALYTICAL LABORATORIES, INC.

YORK

Client Sample ID	York Sample ID	Matrix	Parameter	Method	Units	Results	MDL	Results	MDL
			Alkalinity-Total	SM 2320B	mg/L	45.1	2.0	37.6	2.0
			B.O.D.(5-day)	EPA 405.1	mg/L	3.0	1.0	4.0	1.0
			Chloride	EPA300/SW9056	mg/L	81.2	5.0	82.6	5.0
			Ammonia	EPA300/SW9056	mg/L	0.10	0.05	0.08	0.05
			Nitrate	EPA 300/SW9056	mg/L	3.02	0.05	2.97	0.05
			C.O.D.	SM 5220 D	mg/L	Not detected	10.0	36.1	10.0
			Conductivity	EPA 120.1	umhos/cm	399	1.0	409	1.0
			Iron, Dissolved	SW846-6010	mg/L	Not detected	0.005	Not detected	0.005
			Manganese, Dissolved	SW846-6010	mg/L	0.020	0.005	0.011	0.005
			pH	EPA 150.1	units	6.30	---	6.20	---
			Total Dissolved Solids	EPA 160.1	mg/L	219	0.5	208	0.5
			Total Suspended Solids	EPA 160.2	mg/L	12.0	0.5	10.0	0.5

Analysis Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 10/07/05. The project was identified as your project "1633".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Purpose and Results

Report Date: 10/17/2005
 Client Project ID: 1633
 York Project No.: 05100223
 Diversified Environmental Serv.
 806 West Queen Street
 Southington, CT 06489
 Attention: Mr. Derek Albertson

Robert Q. Bradley
Managing Director

Date: 10/17/2005

Approved By: *[Signature]*

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Notes for York Project No. 05100223

Units Key:

For Waters/Liquids: mg/L = ppm ; ug/L = ppb		For Soils/Solids: mg/kg = ppm ; ug/kg = ppb	
Client Sample ID	1633-MW-4	York Sample ID	05100223-05
Matrix	WATER	Matrix	WATER
Parameter	Method	Units	Results
Alkalinity-Total	SM 2320B	mg/L	52.6
B.O.D.(5-day)	EPA 405.1	mg/L	25
Chloride	EPA300/SW9056	mg/L	22.0
Ammonia	EPA300/SW9056	mg/L	0.09
Nitrate	EPA 300/SW9056	mg/L	1.83
C.O.D.	SM 5220 D	mg/L	25.8
Conductivity	EPA 120.1	umhos/cm	429
Iron, Dissolved	SW846-6010	mg/L	0.028
Manganese, Dissolved	SW846-6010	mg/L	0.029
pH	EPA 150.1	units	6.21
Total Dissolved Solids	EPA 160.1	mg/L	304
Total Suspended Solids	EPA 160.2	mg/L	178

Client Sample ID	1633-MW-B	York Sample ID	05100223-03
Matrix	WATER	Matrix	WATER
Parameter	Method	Units	Results
Alkalinity-Total	SM 2320B	mg/L	376
B.O.D.(5-day)	EPA 405.1	mg/L	25
Chloride	EPA300/SW9056	mg/L	18.0
Ammonia	EPA300/SW9056	mg/L	0.05
Nitrate	EPA 300/SW9056	mg/L	0.21
C.O.D.	SM 5220 D	mg/L	54.2
Conductivity	EPA 120.1	umhos/cm	609
Iron, Dissolved	SW846-6010	mg/L	0.088
Manganese, Dissolved	SW846-6010	mg/L	2.60
pH	EPA 150.1	units	6.52
Total Dissolved Solids	EPA 160.1	mg/L	358
Total Suspended Solids	EPA 160.2	mg/L	136

YORK

ANALYTICAL LABORATORIES, INC.
 120 RESEARCH DRIVE
 STRATFORD, CT 06615
 (203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Company Name: DESS Report To: Derek Invoice To: DESS Project ID/No.: 1633

Samples Collected By (Signature): W. Camp
 Name (Printed): WESLEY CAMP

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
1633	mw-A	10/06/05	X				1-1000 mL P 1-250 mL 450 4ND3	
	mw-AH							
	mw-B							
	mw-C							
	mw-4							

ANALYSES REQUESTED
 pH, specific conductivity
 alkalinity, ammonia (As N)
 BOR, chloride, COP
 Nitrate (As N), TDS, TSS,
 dissolved iron, dissolved
 manganese

Chain-of-Custody Record

Bottles Relinquished from Lab by: W. Camp Date/Time: 10/06/05 5:00
 Sample Relinquished by: W. Camp Date/Time: 10/06/05 5:00

Bottles Received in Field by: J. Swartz Date/Time: 10-7-05
 Sample Received in Lab by: J. Swartz Date/Time: 10/7/2011 5:00

Comments/Special Instructions: _____

Turn-Around Time: _____ Standard _____ RUSH(define) _____