N60478.AR.000842
NWS EARLE
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Final Bioslurper Status Report

December 2005 through February 2006

Naval Weapons Station Earle (NWS Earle)
Colts Neck, New Jersey
N62472-03-D-0802

Submitted:

15 June 2006

Prepared For:

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15 June 2006

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Subject: **US NAVY CONTRACT NO. N62472-03-D-0802**
CONTRACT DELIVERY ORDER NO. 0017, NWS EARLE, COLTS NECK, NJ
DEC 2005 - FEB 2006 FINAL BIOSLURPER STATUS REPORT

Dear Mr. Pagtalunan:

Please find enclosed one hard copy and one electronic copy of the Final Bioslurper Status Report for the reporting period of December 2005 through February 2006 prepared by ECOR Solutions, Inc. (ECOR).

Please contact either of the undersigned at 610-431-8731 if you have any questions or comments regarding this submittal.

Sincerely,
ECOR Solutions, Inc.

Amanda Bell

Amanda Bell
Project Supervisor

for

Richard K. Evans
Senior Project Supervisor

Enclosure - Electronic Deliverable (CD)

cc: Bruce Venner - NJDEP
Eric Helms - NWS EARLE
Main File - ECOR

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1.0 INTRODUCTION

ECOR Solutions, Inc. (ECOR) is contracted by Engineering Field Activity Northeast (EFANE) to operate two bioslurper units for Site 16F at Naval Weapons Station (NWS) Earle located in Colts Neck, New Jersey. This system operational report is being submitted to present system operational data from 14 December 2005 to 28 February 2006 for Task Order No. 0017 under Contract No. N62472-03-D-0802.

This report summarizes the results of continued bioslurper operations at Site 16F at the NWS-Earle facility, including product recovery, groundwater recovery, and system water and vapor analytical results for both bioslurper systems. ECOR assumed system operation on 5 April 2004. Prior to that date, the systems were operated by Tetra Tech FW, Inc. (TtFW). Historical operational data and background information provided by TtFW are included in this report.

Bioslurper Unit No. 1 (located adjacent to the former location of Building C-16) normally operates from the following extraction wells: 16-MW-04, 16MW-13, 16MW-14, 16MW-15, 16MW-25, 16MW-26, 16MW-27 and vapor extraction wells: 16MW-22 and 16MW-23. Bioslurper Unit No. 2 (located north of Building C-50) normally operates from 16MW-16, 16MW-17, 16MW-18, 16MW-19, 16MW-20, 16MW-21, and C17/20MW-07. Various extraction wells are utilized during system operation based upon the thickness of light non-aqueous phase liquid (LNAPL) present.

Due to minimal LNAPL recovery, Bioslurper Unit No. 2 was deactivated on 17 November 2004 as directed by EFANE. ECOR was advised by EFANE on 28 October 2004 that approval had been obtained from the New Jersey Department of Environmental Protection (NJDEP) to deactivate Bioslurper #2. Media from the liquid-phase treatment equipment (clay and carbon absorbers) was subsequently removed, and the usable clay vessels were installed in Bioslurper Unit No. 1. All other primary equipment remains installed at Bioslurper Unit No. 2. The subgrade piping network is designed to allow Bioslurper Unit No. 1 to utilize extraction wells normally associated with Bioslurper Unit No. 2 for LNAPL recovery.

2.0 PROJECT LOCATION AND DESCRIPTION

NWS-Earle is located in east-central Monmouth County in the town of Colts Neck, New Jersey as depicted in **Figure 2-1**. Site 16F is located in the north-central portion of NWS-Earle. The areas addressed with the bioslurper remediation system at Site 16F are the LNAPL plume southeast of Building C-16, the small LNAPL plume northwest of Building C-50, and a former gas station west of Building C-18.

An underground fuel line located in the area north of Building C-19 was used to transport diesel fuel from an underground storage tank (UST) located at the northeast corner of Building C-18 to a dispensing station north of Building C-50. A leak in the fuel line was discovered in 1977. All of the former USTs were removed from the former gas station in 1998. Part of the former underground diesel transfer line is still in place.

2.1 Previous Investigations

Between June and October of 1995, Brown and Root Environmental conducted a Remedial Investigation (RI) at Site 16F. The RI Report concluded that hydrocarbons detected in the subsurface impacted the groundwater. The groundwater contamination (primarily volatile organics and fuel constituents) is associated with a free-phase LNAPL layer. This floating product is the source of organics in the groundwater.

In 1995, the Navy conducted an investigation at Site 16F using a Site Characterization and Analysis Penetrometer System (SCAPS). SCAPS is a field screening technique, which detects polynuclear aromatic hydrocarbon (PAH) compounds using a Laser Induced Fluorescence (LIF) system. The LIF is quantitative to a known matrix with a known contaminant. A soil sample collected at the site was used to calibrate the LIF using diesel fuel marine. The fluorescent mapping, obtained from the push samples, was used to gain a better understanding of the contaminant distribution. Twenty nine (29) SCAPS borings were completed in the area between Building C-16 and C-50.

The LNAPL plume to the south and east of Building C-16 is suspected to have been the result of the leaking former underground diesel fuel line. As evidenced by laboratory analytical results of groundwater samples, there is also some residual gasoline contamination associated with the plume near Building C-16.

The LNAPL plume north of Building C-50 is suspected to have been the result of minor spills at a former diesel dispensing station located between the railroad tracks, north of Building C-50.

2.2 Geology

Site 16F is located within the Outer Coastal Plain of the Atlantic Coastal Plain Physiographic Province, approximately nine miles inland from the Atlantic Ocean. The site is relatively flat with most of the topographic relief being the drainage swales located between the railroad tracks. According to regional mapping, the site is located on an outcropping of the Vincentown Formation and upper colluvium. The upper colluvium, where present, is shallow and consists of massive sand and silty sand, which may contain quartz or ironstone pebbles. The Vincentown Formation consists of grey and green gluaconitic, fine to coarse-grained sand with silt.

According to the information obtained from the well installation logs and the SCAPS Investigation, the soil underlying the site is composed of fine to medium grained sand and silty sand.

3.0 BIOSLURPER OBJECTIVES AND PLUME CHARACTERISTICS

The objectives of the bioslurper systems operations are to conduct remedial operations in three separate areas: 1) the main LNAPL plume located south and southeast of Building C-16; 2) a smaller LNAPL plume northwest of Building C-50; and 3) the residual soil contamination associated with the former gas station site west of Building C-18.

The initial LNAPL phase is mobile, and migrates downward through the unsaturated (vadose) zone due to gravitational forces until either the water table or a stratigraphic barrier is encountered. The viscosity of the LNAPL, the groundwater gradient, and the permeability of the aquifer media control the rate of LNAPL migration. A "smear zone" develops when the mobile LNAPL is smeared vertically through seasonal fluctuations in the water table. Once the smear zone develops, a portion of the LNAPL exists as a discontinuous non-wetting liquid phase (residual) that is relatively immobile except at seasonal low water table. An increased smear zone reduces the volume of the remaining mobile LNAPL.

Based on previous data gathered from water level measurements obtained in the recovery wells, the elevations in the wells vary as much as 3.90 to 7.29-feet below grade, with the average groundwater fluctuation of 5.79-feet in a well. Therefore the LNAPL is being smeared vertically across a smear zone of almost 6-feet. The main free product plume is located to the east and south of Building C-16. The LNAPL plume area is overlain by drainage ditches and railroad tracks. Due to the topographic depressions of the drainage ditches, and the permeability of the ballast associated with the railroad tracks, the localized groundwater table is subject to excessive water table fluctuations from rain events, which cause an increase in the vertical distribution of the oil across the smear zone. According to Peargin, Ireland, and Stephenson (1997), the larger percentages of LNAPL occur within the smear zone versus the vadose zone.

As depicted in the current LNAPL thickness figures (**Figure 5-1** through **Figure 5-3**) the majority of remaining LNAPL is located in the southwest portion of the plume near former Building C-16. The concentration of the LNAPL appears to be underlying the parking lot area south of former Building C-16. LNAPL is also located east of former Building C-16 in the area between the railroad tracks (influenced by groundwater elevation). The western extent of the LNAPL plume is not completely defined. The estimated boundaries of the LNAPL plume generated from the SCAPS Investigation (dashed line in figures) have been used to define the original LNAPL plume boundary. Current data shows that the extent of the LNAPL plume has decreased significantly with treatment over time.

The extent of the LNAPL plume located north of Building C-50 has not been verified with additional wells. The LNAPL boundary depicted is based on the SCAPS Investigation.

The soil contamination associated with the former gas station site was from previously removed USTs. There is no free-phase oil present in the former gas station area. Two bioventing wells (16MW-22 and 16MW-23) are situated in this area to aid in remediating the vadose zone soils.

4.0 BIOSLURPER SYSTEM OPERATION

The bioslurper systems are designed to de-water the smear zone and remove LNAPL through drainage, volatilization, and biodegradation. The high vacuum of the bioslurper system extracts LNAPL from the pore spaces where it was formerly held by capillary tension. Typically, a vacuum pressure of 2 to 5 inches of mercury (Hg) is applied to each well. The velocity in the drop tube must be sufficient to lift water as an entrained fluid.

Extraction wells 16MW-04, 16MW-13, 16MW-14, 16MW-15, 16MW-19, 16MW-20, 16MW-25, and 16MW-27 were utilized for LNAPL recovery during the reporting period. The use of extraction wells was varied as LNAPL thicknesses changed. The extraction wells were operated with the one-inch diameter drop tube set immediately above the LNAPL level in the well.

Unit No. 2, located north of Building C-50, was not operated during the reporting period. Bioslurper Unit No. 2 was deactivated on 17 November 2004 due to a high pressure condition. Additionally, ECOR was advised by EFANE on 28 October 2004 that approval had been obtained from the New Jersey Department of Environmental Protection (NJDEP) to deactivate Bioslurper Unit No. 2. However, the extraction wells formerly associated with Bioslurper Unit No. 2 were utilized by the Bioslurper Unit No. 1 system.

5.0 SYSTEM OPERATIONS SUMMARY

The bioslurper units consist of two self-contained 8 ft. by 40 ft. by 8 ft. high refurbished cargo boxes that house the bioslurper pumps, process equipment, and groundwater treatment units. The turnkey units are connected to the recovery wells via underground piping. Bioslurper Unit No. 1 is equipped with a vapor-phase knock out tank and vapor-phase activated carbon drums to treat the air discharge to comply with the NJDEP Air Discharge Permit. Unit No. 1 requires air treatment because of the suspected gasoline component of the LNAPL plume in the area around Building C-16. The air discharge from Bioslurper Unit No. 2 does not require treatment prior to discharge because of the lower concentrations of volatile organics.

This section discusses the monthly operation of the units during this reporting period and any problems that were encountered. **Table 1** summarizes LNAPL recovery, **Table 2** presents groundwater recovery data, **Table 3** calculates total petroleum hydrocarbon (TPH) recovery, and **Table 4** summarizes system water sample data. **Appendix A** contains graphs depicting the operational times and groundwater and LNAPL extracted on a monthly basis. **Appendix B** depicts groundwater and product elevations in the extraction wells. **Appendix C** summarizes air data, and **Appendix D** presents system water data.

5.1 December 2005

Bioslurper Unit No. 1 was operated normally during December 2005. During December 2005, Bioslurper Unit No. 1 was operated for 154.5 hours, recovering 14.5 gallons of product and 44,443 gallons of groundwater. System water and vapor samples were collected on 12 December 2005. Analytical results indicate that no permitted limits were exceeded.

Bioslurper Unit No. 2 was deactivated during November 2004. Reactivation is not planned.

Liquid level data was obtained from extraction wells associated with Bioslurper Units No. 1 and No. 2 on a weekly basis during December 2005. Extraction well use was varied based upon the LNAPL thicknesses measured each week.

5.2 January 2006

Bioslurper Unit No. 1 was operated normally during January 2006. During January 2006, Bioslurper Unit No. 1 was operated for 150 hours, recovering 10.5 gallons of product and 19,792 gallons of groundwater. System water and vapor samples were collected on 20 and 27 (effluent only) January 2006. Analytical results indicate that no permitted limits were exceeded.

Bioslurper Unit No. 2 was deactivated during November 2004. Reactivation is not planned.

Liquid level data was obtained from extraction wells associated with Bioslurper Units No. 1 and No. 2 on a weekly basis during January 2006. Extraction well use was varied based upon the LNAPL thicknesses measured each week.

5.3 February 2006

Bioslurper Unit No. 1 was operated intermittently during February 2006, during system expansion activities. Five additional recovery wells (16MW-31 through 16MW-35) were connected to Bioslurper Unit No. 1 via a secondary contained subgrade piping network as described in the Bioslurper Upgrade Work Plan (ECOR, 20 May 2005). Construction activities were conducted from 6 February through 23 February 2006. During February 2006, Bioslurper Unit No. 1 was operated for 86 hours, recovering 4 gallons of product and 7,090 gallons of groundwater. System water and vapor samples were collected on 23 February 2006. Analytical results indicate that no permitted limits were exceeded.

Bioslurper Unit No. 2 was deactivated during November 2004. Reactivation is not planned.

Liquid level data was obtained from extraction wells associated with Bioslurper Units No. 1 and No. 2 on a weekly basis during February 2006. Extraction well use was varied based upon the LNAPL thicknesses measured each week.

5.4 Evaluation of Site Conditions

Groundwater level and LNAPL thickness measurements are obtained periodically to establish product thickness isocontours. **Appendix B** contains graphs and tables depicting the depth to product and depth to water in individual extraction wells. As demonstrated by **Figures 5-1 through 5-3**, LNAPL thicknesses are the greatest in the area south of former Building C-16. The greatest LNAPL thickness observed at a recovery well during the reporting period was 6.48 feet (20 January 2006) at extraction well 16MW-33. The system appears to be effectively recovering the LNAPL that is present in the extraction well network as supported by the decreasing LNAPL thicknesses in the initial extraction wells. Generally, the new recovery wells, 16MW-31 through 16MW-35, have a greater amount of recoverable LNAPL present.

5.5 LNAPL Recovery Data

LNAPL recovery is presented in **Table 1. Appendix A** depicts the volume of LNAPL and groundwater extracted and the operational hours for each Bioslurper. During the reporting period, 29 gallons LNAPL was recovered. The system appears to be effectively removing LNAPL from the recovery wells. During normally operation of Bioslurper Unit No. 1, observed LNAPL thickness have decreased. The volume of LNAPL recovered is anticipated to remain relatively low at existing extraction wells, but operation of Bioslurper Unit No. 1 results in decreased thicknesses of LNAPL observed in the recovery wells. However, LNAPL recovery will be initiated at the recently connected extraction wells (16MW-31 through 16MW-35) during the next reporting period. Recovery at these locations will be initiated over time to minimize impact on the treatment system and to ensure compliance with vapor and water discharge requirements.

6.0 HYDROCARBON RECOVERY AND PERMIT COMPLIANCE

6.1 Vapor-phase Recovery and Permit Compliance

Vapor samples are collected on a monthly basis from both Bioslurper Units to evaluate hydrocarbon recovery and ensure discharges are in compliance with the New Jersey Department of Environmental Protection (NJDEP) air discharge permit. The vapor discharge is sampled for total VOCs (including benzene) and TPH. **Appendix C** summarizes the analytical results of the vapor samples and the permit limits and presents calculations for vapor-phase TPH recovery. **Appendix C** also contains the laboratory analytical results of the air samples. As indicated by the analytical results, Bioslurper Unit No. 1 was operating within the permit requirements established for air discharge during operation.

During the reporting period, 12.7 pounds of vapor-phase TPH were recovered at Bioslurper Unit No. 1. Bioslurper Unit No. 2 is deactivated.

6.2 Dissolved-phase Recovery and Permit Compliance

The effluent from Bioslurper Unit No.1 is processed through one bag filter (equipped with a 25-micron filter), two bentonite clay vessels (operating in series), and two liquid-phase granular activated carbon vessels (operating in series). The bag filter removes particulates (mainly precipitated iron), the clay units remove the higher molecular weight VOCs and TPH, and the activated carbon removes the remaining VOC and TPH compounds.

The groundwater influent, midfluent (between carbon vessels), and effluent from the Bioslurper Unit is sampled on a monthly basis to ensure the discharges are in compliance with the requirements set forth by the NWS Earle Sewer Treatment Plant (< 10 parts per million [ppm] TPH).

Table 4 summarizes the TPH results of the effluent samples. **Appendix D** contains dissolved-phase hydrocarbon recovery calculations and the laboratory analytical results of the system water samples.

During the reporting period, 104.1 pounds of dissolved-phase were recovered via groundwater extraction at Bioslurper Unit No. 1.

7.0 ADDITIONAL RECOVERY WELL CONNECTION

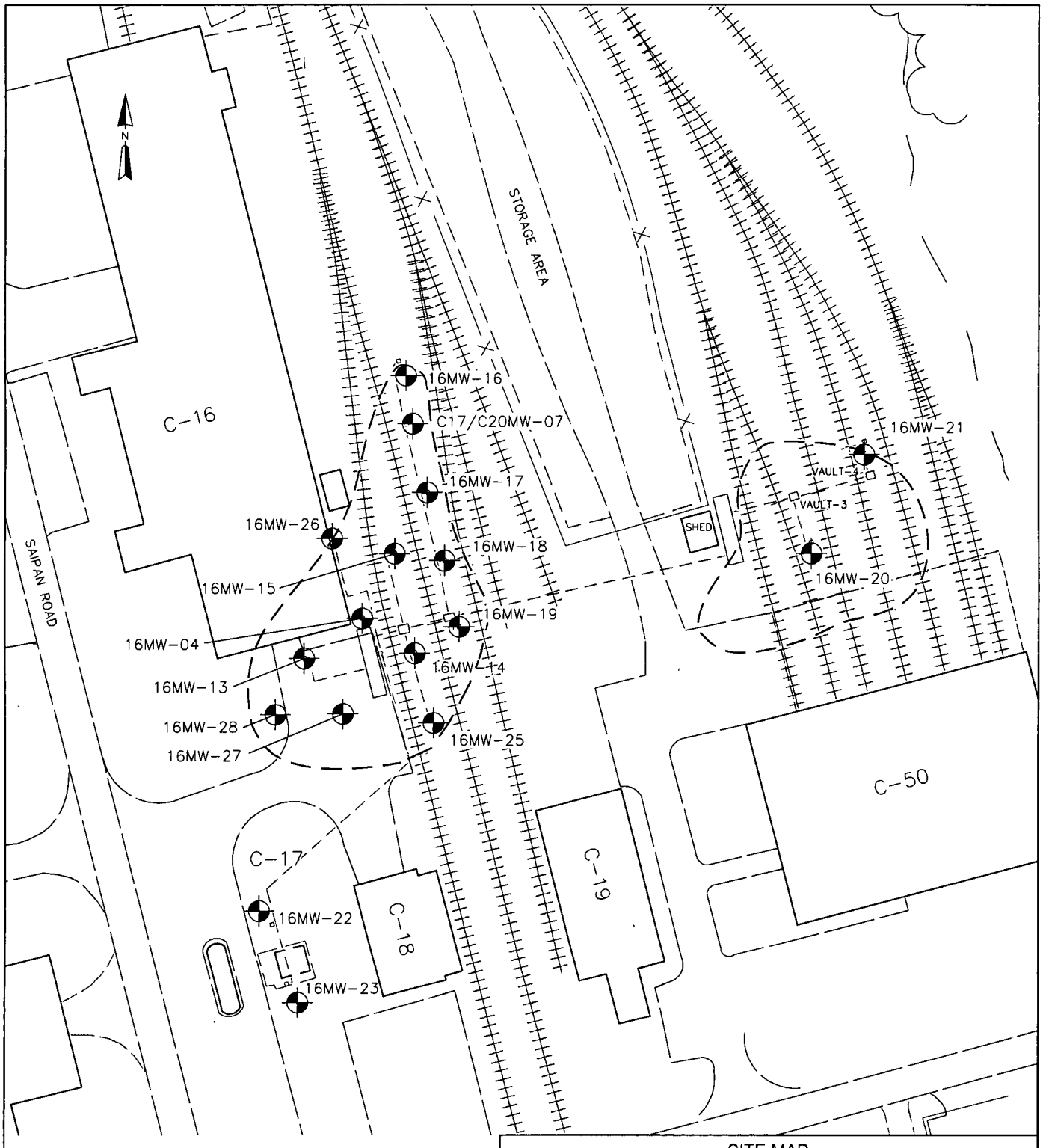
Five additional recovery wells were installed on 16-18 November 2005 in accordance with the Bioslurper Upgrade Work Plan (ECOR, 20 May 2005). The surveyed locations of the new recovery wells, along with the as-built trenches, are depicted in **Figure 5-4**. Extraction wells 16MW-31 through 16MW-35, will be connected to Bioslurper Unit No. 1 individually over a period of time.

8.0 CONCLUSIONS

LNAPL thickness generally increased in the extraction wells while the system was not operating during December 2004, January 2005, and February 2005. Since reactivation in February 2005, increased (though relatively low) LNAPL recovery has been observed. However, observed LNAPL thicknesses in the recovery wells have decreased significantly since full-scale operation was re-initiated in February 2005. The data obtained during the non-operational time and since reactivation of Bioslurper Unit No. 1 indicate that recoverable LNAPL remains. The additional recovery wells installed are necessary to recover LNAPL at the site.

While LNAPL thickness is relatively low in the initial recovery wells, higher LNAPL levels have been observed in the addition recovery wells, 16MW-31 through 16MW-35. Observed LNAPL thicknesses of at least a foot, up to almost seven feet, have occurred in four of the five new recovery wells. Each well will be operated individually over a period of time, to maintain system compliance with discharge permits. Activation of multiple recovery wells with significant LNAPL would expend the vapor-phase and liquid-phase carbon more rapidly than a controlled activation plan. ECOR recommends conducting a one day bail-down test for the new recovery wells to provide additional data on LNAPL recovery potential and recharge rates.

FIGURES



LEGEND

MONITORING WELL LOCATION

LNAPL PLUME BOUNDARY BASED ON FORMER SCAPS STUDY

SOURCE. TETRATECH FOSTER WHEELER

SITE MAP

U.S. NAVY
NWS- EARLE
COLTS NECK, NJ

ECOR Solutions
1075 Andrew Drive, Suite I, West Chester, PA 19380

SCALE IN FEET	DATE	FIGURE
0 — 80	12-09-05	2-1

ECOR Solutions, Inc.

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LEGEND

16MW-16 — MONITORING WELL LOCATION

(0.08) — LNAPL THICKNESS (ft)

LNAPL THICKNESS ISOCONTOUR (ft)

LNAPL PLUME BOUNDARY BASED ON FORMER SCAPS STUDY

SOURCE: TETRATECH FOSTER WHEELER

LNAPL THICKNESS ISOCONTOUR MAP
14 DECEMBER 2005

U.S. NAVY
NWS- EARLE
COLTS NECK, NJ

ECOR Solutions, Inc.
1075 Andrew Drive, Suite I, West Chester, PA 19380

SCALE IN FEET	DATE	FIGURE
0 — 80	03-25-06	5-1

ECOR Solutions, Inc.

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LEGEND

16MW-16 — MONITORING WELL LOCATION

(0.19) — LNAPL THICKNESS (ft)

LNAPL THICKNESS ISOCONTOUR (ft)

LNAPL PLUME BOUNDARY BASED ON FORMER SCAPS STUDY

SOURCE: TETRATECH FOSTER WHEELER

LNAPL THICKNESS ISOCONTOUR MAP
20 JANUARY 2006

U.S. NAVY
NWS- EARLE
COLTS NECK, NJ

ECOR Solutions, Inc.
1075 Andrew Drive, Suite I, West Chester, PA 19380

SCALE IN FEET	DATE	FIGURE
0 — 80	03-25-06	5-2

ECOR Solutions, Inc.

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LEGEND

16MW-16 — MONITORING WELL LOCATION

(0.09) — LNAPL THICKNESS (ft)

LNAPL THICKNESS ISOCONTOUR (ft)

LNAPL PLUME BOUNDARY BASED ON FORMER SCAPS STUDY

SOURCE: TETRATECH FOSTER WHEELER

LNAPL THICKNESS ISOCONTOUR MAP
28 FEBRUARY 2006

U.S. NAVY
NWS- EARLE
COLTS NECK, NJ

ECOR Solutions, Inc.
1075 Andrew Drive, Suite I, West Chester, PA 19380

SCALE IN FEET	DATE	FIGURE
0 — 80	03-25-06	5-3

ECOR Solutions, Inc.

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TABLES

TABLE 1
NAVAL WEAPONS STATION-EARLE
BIOSLURPER UNITS
LNAPL EXTRACTION TO DATE

	1998 LNAPL Extracted (gallons)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1		400	375	275	300	ND	ND	225	250	250	140	225	2440 0
Bioslurper System #2		25	50	50	20	ND	ND	55	30	40	20	30	320 0
Total		425	425	325	320			280	280	290	160	255	2760 0
	1999 LNAPL Extracted (gallons)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct.	Nov	Dec	Total
Bioslurper System #1	220	50	125	65	ND	ND	ND	34	ND	ND	66	ND	560 0
Bioslurper System #2	20	15	15	10	ND	ND	ND	14	ND	ND	14	ND	88 0
Total	240	65	140	75				48			80		648 0
	2000 LNAPL Extracted (gallons)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	30	60	78	57	10	15	32	43	57	55	33	32	502 0
Bioslurper System #2	ND	ND	ND	ND	ND	24	1	5	4	0	ND	0	34 0
Total	30	60	78	57	10	39	33	48	61	55	33	32	536 0
	2001 LNAPL Extracted (gallons)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	31	45	35	ND	ND	ND	14	48	30	15	30	10	258 0
Bioslurper System #2	ND	4 5	4 5	ND	ND	ND			2	4	0 5	0	15 5
Total	31	49 5	39 5	0	0	0	14	48	32	19	30 5	10	273 5
	2002 LNAPL Extracted (gallons)												Year
	Jan	Feb.	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	52	21	11	16	34	62	53	87	16	10	17	7	386 0
Bioslurper System #2	6	0 5	0 5	5	2	6	2	5	0	0	4	9	40 0
Total	58	21 5	11 5	21	36	68	55	92	16	10	21	16	426 0
	2003 LNAPL Extracted (gallons)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	50 8	5 2	7 85	3 6	22 5	25 7	10	8 9	8 9	16 76	0	ND	160 2
Bioslurper System #2	0 5	0 5	2 75	0	2 62	0	4	5 7	4 19	5 24	0	0	25 5
Total	51 3	5 7	10 6	3 6	25 12	25 7	14	14 6	13 09	22	0	0	185 7
	2004 LNAPL Extracted (gallons)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	0	13 6	10	9 5	5 5	0	0	0	0	0	0	0	38 6
Bioslurper System #2	0	4 19	4 2	2	1	0	0	0	0	0	0	0	11 4
Total	0	17 79	14 2	11 5	6 5	0	0	0	0	0	0	0	50 0
	2005 LNAPL Extracted (gallons)												Year
	Jan.	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	0	0	6 5	6 5	10 5	4	2	2	17	2	0 5	14 5	65 5
Bioslurper System #2	0	0	0	0	0	0	0	0	0	0	0	0	0 0
Total	0	0	6 5	6 5	10 5	4	2	2	17	2	0 5	14 5	65 5
	2006 LNAPL Extracted (gallons)												Year
	Jan.	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	10 5	4											14 5
Bioslurper System #2	0	0											0 0
Total	10 5	4											14 5

ND - no data due to system not in operation

Total LNAPL extracted to date (g): 4959.2

Source: Tetra Tech Foster Wheeler, Inc. (data prior to March 2004)

TABLE 2
NAVAL WEAPONS STATION-EARLE
BIOSLURPER UNITS
GROUNDWATER EXTRACTION TO DATE

	1998 Groundwater Extracted (gallons)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1		2,675	26,169	23,898	12,799	0	0	16,498	34,612	29,974	20,503	40,611	207,739
Bioslurper System #2		5,282	20,586	22,607	6,584	0	0	13,537	14,451	27,850	16,196	9,141	136,234
Total		7,957	46,755	46,505	19,383	0	0	30,035	49,063	57,824	36,699	49,752	343,973
	1999 Groundwater Extracted (gallons)												Year
	Jan.	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	35,078	6,536	49,834	40,889	0	0	0	7,321	0	0	0	0	139,658
Bioslurper System #2	8,843	536	12,956		0	0	0		0	0	0	0	22,335
Total	43,921	7,072	62,790	40,889	0	0	0	7,321	0	0	0	0	161,993
	2000 Groundwater Extracted (gallons)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	3,393	4,618	9,842	10,945	2,764	14,112	19,758	23,298	36,900	31,669	27,785	30,231	215,315
Bioslurper System #2	0	0	0	0	0	2,976	5,549	17,704	21,156	21,588	0	20,848	89,821
Total	3,393	4,618	9,842	10,945	2,764	17,088	25,307	41,002	58,056	53,257	27,785	51,079	305,136
	2001 Groundwater Extracted (gallons)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	25,897	30,981	33,832	0	0	0	2,812	12,136	7,669	1,665	4,635	3,080	122,707
Bioslurper System #2	0	15,852	19,914	0	0	0	0	0	2,967	6,814	1,277	345	47,169
Total	25,897	46,833	53,746	0	0	0	2,812	12,136	10,636	8,479	5,912	3,425	169,876
	2002 Groundwater Extracted (gallons)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	13,137	9,292	16,151	12,749	24,926	19,641	24,875	31,129	10,390	19,562	4,854	7,694	194,400
Bioslurper System #2	1,095	1,224	5,726	7,639	7,727	6,464	5,362	5,977	289	0	4,771	4,772	51,046
Total	14,232	10,516	21,877	20,388	32,653	26,105	30,237	37,106	10,679	19,562	9,625	12,466	245,446
	2003 Groundwater Extracted (gallons)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	22,799	28,656	14,682	18,084	20,199	28,439	15,990	25,071	13,448	13,615	1,984	0	202,967
Bioslurper System #2	10,546	1,614	6,325	14,649	4,303	6,546	4,930	4,938	2,924	1,190	1,103	480	59,548
Total	33,345	30,270	21,007	32,733	24,502	34,985	20,920	30,009	16,372	14,805	3,087	480	262,515
	2004 Groundwater Extracted (gallons)												Year
	Jan.	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	3,648	5,235	20,986	9,573	30,020	31,821	38,634	44,162	0	0	0	0	184,079
Bioslurper System #2	3,954	5,692	7,370	35,264	33,154	34,911	20,298	23,613	26,708	36,885	19,126	0	246,975
Total	7,602	10,927	28,356	44,837	63,174	66,732	58,932	67,775	26,708	36,885	19,126	0	431,054
	2005 Groundwater Extracted (gallons)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	0	1,902	34,308	91,540	59,848	54,040	28,174	11,505	29,254	6,680	13,615	44,443	375,309
Bioslurper System #2	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1,902	34,308	91,540	59,848	54,040	28,174	11,505	29,254	6,680	13,615	44,443	375,309
	2006 Groundwater Extracted (gallons)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	19,792	7,090											26,882
Bioslurper System #2	0	0											0
Total	19,792	7,090											26,882

Total Groundwater Extracted to Date = 2,322,184

Source Tetra Tech Foster Wheeler, Inc (data prior to March 2004)

NAVAL WEAPONS STATION-EARLE

BIOSLURPER UNITS
TOTAL PETROLEUM HYDROCARBON (TPH)
REMOVED VIA GROUNDWATER TREATMENT

	1998 TPH Removed via Groundwater Treatment (pounds)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1		60.75	125 14	306 42	135 56	0 00	0 00	47 30	ND	175 99	179 16	192 96	1223 28
Bioslurper System #2		4 25	14 17	32 40	9.61	0 00	0 00	ND	13 99	2 37	4 26	11 48	92 53
Total		65 00	139 31	338 82	145 17	0 00	0 00	47 30	13 99	178 36	183 42	204 44	1315 81
	1999 TPH Removed via Groundwater Treatment (pounds)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	60 48	56 18	394 28	285 29	0 00	0 00	0 00	0 00	0 00	0 00	0 29	0 00	796 52
Bioslurper System #2	3 84	0 21	29 30	15 20	0 00	0 00	0 00	0 00	0 00	0 00	0 01	0 00	48 56
Total	64 32	56 39	423 58	300 49	0 00	0 00	0 00	0 00	0 00	0 00	0 30	0 00	845 08
	2000 TPH Removed via Groundwater Treatment (pounds)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	8 58	0 00	17 20	30 99	0 00	31 80	18 14	0 00	95 47	160 86	92 04	327 49	782 56
Bioslurper System #2	0 01	0 00	0 00	0 00	0 00	0 11	0 40	0 00	2 63	37 55	0 00	21 71	62 40
Total	8 59	0 00	17 20	30 99	0 00	31 91	18 53	0 00	98 10	198 40	92 04	349 20	844 96
	2001 TPH Removed via Groundwater Treatment (pounds)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov.	Dec	Total
Bioslurper System #1	34 31	45 04	50 54	0 00	0 00	0 00	0 07	52 80	2 61	2 25	2 97	10 82	201 42
Bioslurper System #2	ND	8 59	59 43	0 00	0 00	0 00	0 00	0 00	1 12	3 73	0 13	0 01	73 01
Total	34 31	53 63	109 97	0 00	0 00	0 00	0 07	52 80	3 73	5 98	3 10	10 83	274 42
	2002 TPH Removed via Groundwater Treatment (pounds)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	40 35	21 35	13 51	35 86	21 58	7 60	581 16	73.62	68 41	19 99	2 27	22 60	908 30
Bioslurper System #2	2 40	0 18	4 68	0 75	5 08	1 60	2 77	1 13	0 02	ND	1 43	3 54	23 58
Total	42 75	21 53	18 19	36 61	26 66	9 20	583 93	74 75	68 43	19 99	3 70	26 14	931 88
	2003 TPH Removed via Groundwater Treatment (pounds)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	95 99	135 13	53 06	25 56	39 69	38 69	76 87	0 26	17 06	14 66	0 00	0 00	496 97
Bioslurper System #2	ND	0.28	0 64	4 84	0 38	0 91	0 22	0 09	0 16	0 27	0 03	0 07	7 89
Total	95 99	135 41	53 70	30 40	40 07	39 60	77 09	0 35	17 22	14 93	0 03	0 07	504 86
	2004 TPH Removed via Groundwater Treatment (pounds)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	5 36	25.17	17 27	11.74	80 17	45 15	65 78	62 29	0 00	0 00	0 00	0 00	312 93
Bioslurper System #2	0.12	0.19	0 49	4 44	1 88	5 19	3 42	6 74	0 71	40 42	12 28	0 00	75 88
Total	5 48	25 36	17 76	16 18	82 05	50 34	69 20	69 03	0 71	40 42	12 28	0 00	388 81
	2005 TPH Removed via Groundwater Treatment (pounds)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec	Total
Bioslurper System #1	0.00	0 91	26 14	86 94	32 92	11 23	11 05	4 66	0 50	0 77	8 77	28 41	212 30
Bioslurper System #2	0.00	0 00	0.00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Total	0 00	0 91	26 14	86 94	32 92	11 23	11 05	4 66	0 50	0 77	8 77	28 41	212 30
	2006 TPH Removed via Groundwater Treatment (pounds)												Year
	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec.	Total
Bioslurper System #1	73 18	2 53											75 71
Bioslurper System #2	0 00	0 00											0 00
Total	73 18	2 53											75 71

Pounds of TPH Removed via Groundwater Treatment to Date = 5393.84

Pounds of TPH· Influent - effluent concentration (mg/l) x 3.785 l/gal x 0.001 g/mg x 0 002205 lb/g x monthly effluent (gal) = lbs TPH

Source· Tetra Tech Foster Wheeler, Inc. (data prior to March 2004)

TABLE 4
NAVAL WEAPONS STATION-EARLE
BIOSLURPER UNITS NO. 1 AND NO. 2
GROUNDATER SYSTEM TOTAL PETROLEUM HYDROCARBON (TPH) CONCENTRATIONS (mg/l)

Sample Date	Unit No. 1		Unit No. 2	
	Before Clay/Carbon	After Clay/Carbon	Before Clay/Carbon	After Clay/Carbon
02/29/00	<0.5	<0.5	NA	NA
04/04/00	210	0.57	NA	NA
04/28/00	16(A)EW00W5	16(A)EW00W6		
	340	0.68	NA	NA
06/19/00	270	<1.0	4.4	<1.0
07/21/00	16(A)EW00W10	16(A)EW00W09	16(B)EW00W05	16(B)EW00W06
	110	<1.0	8.7	<1.0
09/07/00	16(A)EW11	16(A)EW12	16(B)EW07	16(B)EW08
	310	5.1	18	3.1
10/30/00	16(A)EW13	16(A)EW14	16(B)EW09	16(B)EW10
	610	1.4	210	1.6
11/30/00	16(A)EW15	16(A)EW16	16(B)EW11	16(B)EW12
	400	3.1	220	2
12/28/00	16(A)EW17	16(A)EW18	16(B)EW13	16(B)EW14
	1300	2.4	1301	2.6
01/29/01	16(A)EW19	16(A)EW20	16(B)EW15	16(B)EW16
	210	1.6	75	1.6
02/27/01	16(A)EW21	16(A)EW22	16(B)EW17	16(B)EW18
	160	1.2	67	2.1
03/30/01	16(A)EW23	16(A)EW24	16(B)EW19	16(B)EW20
	180	1	360	2.4
07/31/01	16(A)EW24	16(A)EW25	NA	NA
	3.1	0.018	NA	NA
08/29/01	16(A)EW27	16(A)EW28	NA	NA
	187	<0.068	NA	NA
09/30/01	16(A)EW27	16(A)EW28	16(B)EW19	16(B)EW20
	40.8	<0.068	45.3	<0.067
10/31/01	16(A)EW31	16(A)EW32	16(B)EW01	16(B)EW02
	50	<0.07	65.7	<0.066
11/30/01	16(A)EW33	16(A)EW34	16(B)EW05	16(B)EW06
	76.9	0.18	12	<.20
01/09/02	16(A)EW35	16(A)EW36	16(B)EW07	16(B)EW08
	421	<0.066	2.3	<0.066
01/31/02	16(A)EW31	16(A)EW32	16(B)EW01	16(B)EW02
	368	<0.066	22.1	<0.066
02/27/02	16(A)EW39	16(A)EW40	16(B)EW11	16(B)EW12
	276	0.7	17.6	
02/28/02	16(A)EW41	16(A)EW42	16(B)EW13	16(B)EW14
	101	0.81	98.1	0.19
03/29/02	16(A)EW41	16(A)EW42	16(B)EW13	16(B)EW14
	101	0.81	98.1	0.24
04/23/02	16(A)EW43	16(A)EW44	16(B)EW15	0.24
	338	0.96	12	0.19

TABLE 4
NAVAL WEAPONS STATION-EARLE
BIOSLURPER UNITS NO. 1 AND NO. 2
GROUNDATER SYSTEM TOTAL PETROLEUM HYDROCARBON (TPH) CONCENTRATIONS (mg/l)

Sample Date	Unit No. 1		Unit No. 2	
	Before Clay/Carbon	After Clay/Carbon	Before Clay/Carbon	After Clay/Carbon
05/29/02	16(A)EW45	16(A)EW46	16(B)EW17	16(B)EW18
	104	0.28	78.9	0.076
06/28/02	16(A)EW47	16(A)EW48	16(B)EW19	16(B)EW20
	46.6	0.23	29.7	0.11
07/29/02	16(A)EW49	16(A)EW50	16(B)EW21	16(B)EW22
	2800	0.63	62.5	0.54
08/28/02	16(A)EW51	16(A)EW52	16(B)EW23	16(B)EW24
	284	0.61	23.3	0.74
09/30/02	16(A)EW53	16(A)EW54	16(B)EW25	16(B)EW26
	790	1.09	8.8	0.5
10/29/02	16(A)EW55	16(A)EW56	16(B)EW27	16(B)EW28
	124	1.57	97	3.12
11/26/02	16(A)EW57	16(A)EW58	16(B)EW29	16(B)EW30
	56	<0.16	36	<0.17
12/30/02	16(A)EW59	16(A)EW60	16(B)EW31	16(B)EW32
	352	<0.16	89	<0.16
02/03/03	16(A)EW61	16(A)EW62	16(B)EW31	16(B)EW32
	506	1.52	NA	NA
02/26/03	16(A)EW63	16(A)EW64	16(B)EW33	16(B)EW34
	565	<0.17	20.9	<0.16
03/31/03	16(A)EW67	16(A)EW68	16(B)EW33	16(B)EW34
	433	<0.18	12.2	<0.16
04/29/03	16(A)EW69	16(A)EW70	16(B)EW35	16(B)EW36
	176	<0.16	39.6	<0.16
05/23/03	16(A)EW71	16(A)EW72	16(B)EW37	16(B)EW38
	235.61	0.17	10.56	0.03
06/30/03	16(A)EW73	16(A)EW74	16(B)EW39	16(B)EW40
	163	<0.16	16.7	<0.16
07/29/03	16(A)EW77	16(A)EW78	16(B)EW43	16(B)EW44
	576	<0.18	5.25	<0.17
08/27/03	16(A)EW77	16(A)EW78	16(B)EW43	16(B)EW44
	1.4	<0.17	2.2	<0.17
09/30/03	16(A)EW79	16(A)EW80	16(B)EW45	16(B)EW46
	152	<0.18	6.42	<0.17
10/22/03 (1)	16(A)EW81	16(A)EW82	16(B)EW47	16(B)EW48
	129	<0.17	27.5	<0.17
12/8/03 (2)	no sample	no sample	16(B)EW49	16(B)EW50
			3.05	<0.17
12/30/03	16(A)EW83	16(A)EW84	16(B)EW51	16(B)EW52
	71.7	<0.17	18.7	<0.16
01/30/04	16(A)EW85	16(A)EW86	16(B)EW53	16(B)EW54
	176	<0.16	3.58	<0.16
02/27/04	16(A)EW87	16(A)EW88	16(B)EW55	16(B)EW56
	576	<0.16	4.45	<0.16

TABLE 4
NAVAL WEAPONS STATION-EARLE
BIOSLURPER UNITS NO. 1 AND NO. 2
GROUNDATER SYSTEM TOTAL PETROLEUM HYDROCARBON (TPH)
CONCENTRATIONS (mg/l)

Sample	Unit No. 1		Unit No. 2	
Date	Before Clay/Carbon	After Clay/Carbon	Before Clay/Carbon	After Clay/Carbon
03/30/04	16(A)EW89	16(A)EW90	16(B)EW57	16(B)EW58
	98.6	<0.17	7.92	0.19
04/21/04	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	147	<1.0	15.1	<1.0
05/26/04	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	320	17	6.8	<1.0
06/16/04	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	170	<1.0	17.8	<1.0
07/27/04	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	204	<1.0	20.2	<1.0
08/18/04	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	317	148	34.2	<1.0
10/12/2004 (3)	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	Not Operating	Not Operating	3.2	ND
10/26/04	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	Not Operating	Not Operating	143	11.7
11/10/04	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	Not Operating	Not Operating	76.9	ND
Dec 2004	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	Not Operating	Not Operating	Deactivated	Deactivated
Jan 2005	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	Not Operating	Not Operating	Deactivated	Deactivated
02/17/05	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	57.3	ND	Deactivated	Deactivated
03/02/05	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	91.3	ND	Deactivated	Deactivated
04/13/05	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	118	4.2	Deactivated	Deactivated
05/18/05	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	95.3	29.4	Deactivated	Deactivated
05/31/05	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	Not Sampled	ND	Deactivated	Deactivated
06/17/05	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	24.9	ND	Deactivated	Deactivated
7/18/05 (4)	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	47.0	ND	Deactivated	Deactivated
8/10/2005 (4)	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	19.8	ND	Deactivated	Deactivated
09/21/05	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	9.0	ND	Deactivated	Deactivated
10/12/05	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	6.8	ND	Deactivated	Deactivated

TABLE 4
NAVAL WEAPONS STATION-EARLE
BIOSLURPER UNITS NO. 1 AND NO. 2
GROUNDATER SYSTEM TOTAL PETROLEUM HYDROCARBON (TPH) CONCENTRATIONS (mg/l)

Sample Date	Unit No. 1		Unit No. 2	
	Before Clay/Carbon	After Clay/Carbon	Before Clay/Carbon	After Clay/Carbon
11/09/05	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	35.9	ND	Deactivated	Deactivated
12/07/06	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	76.6	ND	Deactivated	Deactivated
1/20&27/06 (5)	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	443.0	ND	Deactivated	Deactivated
02/23/06	BS-1 Influent	BS-1 Final Effluent	BS-2 Influent	BS-2 Final Effluent
	42.8	ND	Deactivated	Deactivated

NOTES

All units are in milligrams per liter (mg/L).

The NWS Earle Sewer Treatment Plant Discharge Limit is 10 mg/L.

NA - Not available (no sample collected) ND - Not detected above laboratory detection limit

(1) Unit #1 and #2 were not operating at the time of sample collection (month end) in October 2003

(2) Samples collected 12/8/03 were for November operating period. Unit #1 was not operating at time of sample collection.

(3) System samples were inadvertently not collected during September 2004. Two sampling events were conducted in October 2004. The 12 October 2004 sampling data is presented for September 2004.

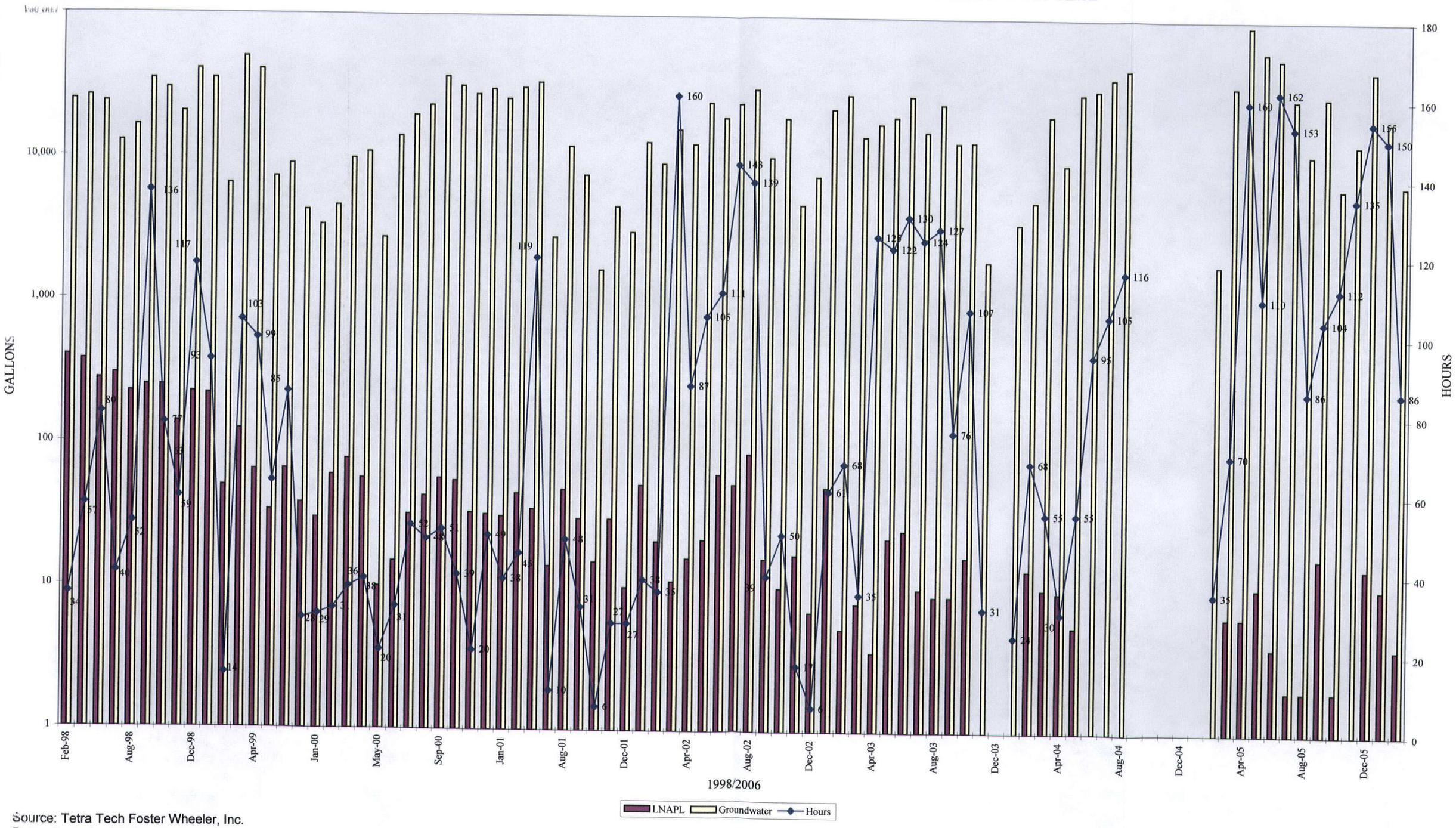
(4) Unit #1 influent and midfluent samples appear to have been switched during the July and August 2005 event. The data as presented are corrected.

(5) The influent sample was collected on 1/20/06 and the effluent sample was collected on 1/27/06.

Source: Tetra Tech Foster Wheeler, Inc. (data prior to March 2004)

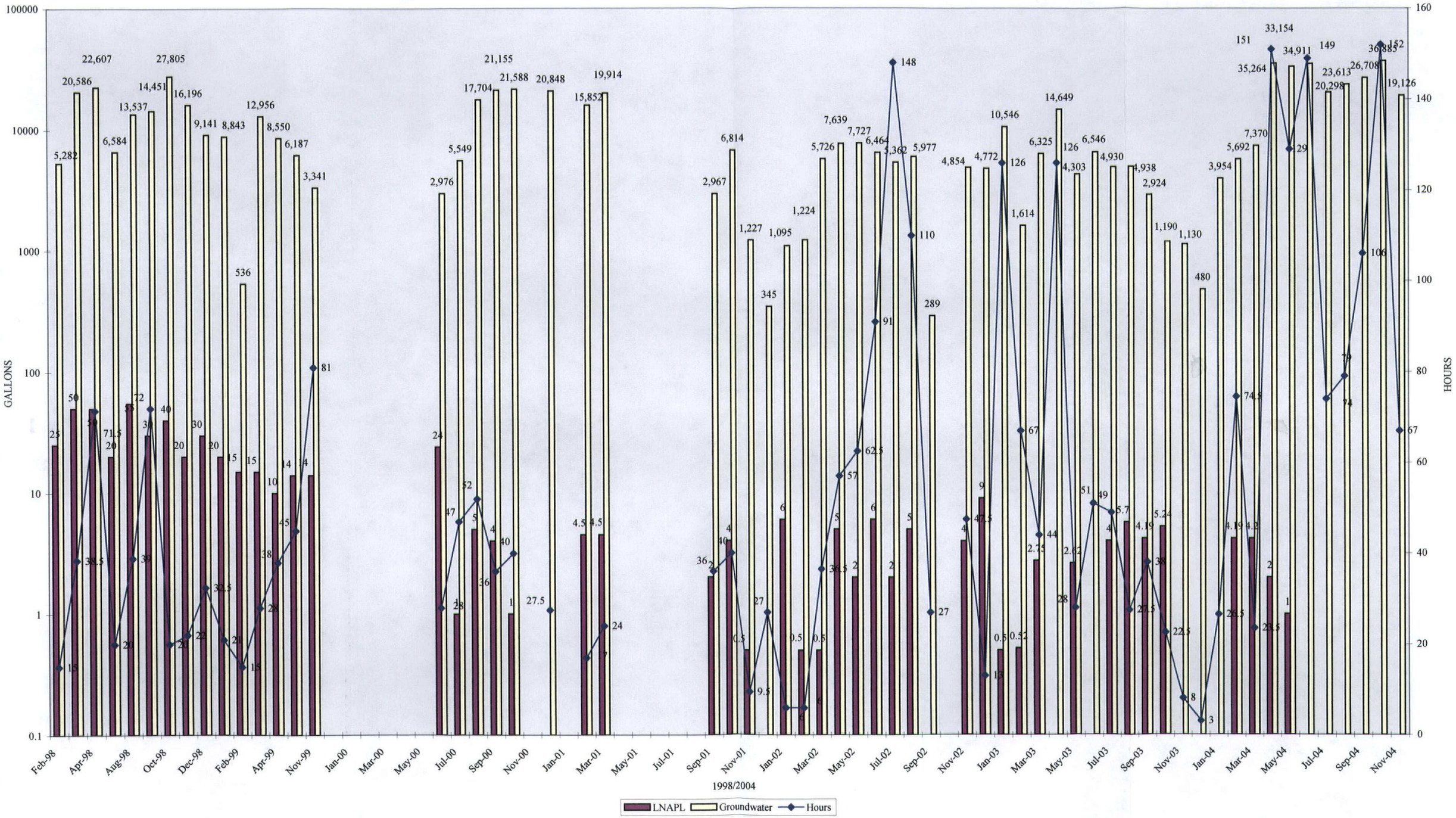
APPENDIX A
GRAPHS OF LNAPL/WATER EXTRACTED TO DATE

BIOSLURPER UNIT 1 LNAPL/WATER RECOVERED VERSUS OPERATIONAL TIME



Source: Tetra Tech Foster Wheeler, Inc.
Data prior to April 2004

BIOSLURPER UNIT 2 LNAPL/WATER RECOVERED VERSUS OPERATIONAL TIME



Source: TetraTech Foster Wheeler, Inc.
Data prior to April 2004

APPENDIX B
GROUNDWATER LEVELS AND LNAPL THICKNESS DATA FROM EXTRACTION WELLS

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-04	8/20/97	101.23	13.65	87.58	14 23	0.58	88.07
16MW-04	12/12/97	101.23	11.55	89.68	12.34	0.79	90.35
16MW-04	1/7/98	101.23	11.85	89.38	12.89	1.04	90.26
16MW-04	1/15/98	101.23	9.49	91.74	9.87	0.38	92.06
16MW-04	2/10/98	101.23	10.78	90.45	11.72	0.94	91.25
16MW-04	2/24/98	101.23	8.78	92.45	9.35	0.57	92.93
16MW-04	3/3/98	101.23	10.45	90.78	11.45	1.00	91.63
16MW-04	3/12/98	101.23	9.62	91.61	10.51	0.89	92.36
16MW-04	3/13/98	101.23	9.15	92.08	9.87	0.72	92.69
16MW-04	3/26/98	101.23	6.76	94.47	7.60	0.84	95.19
16MW-04	4/3/98	101.23	8.40	92.83	8.85	0.45	93.21
16MW-04	4/9/98	101.23	6.90	94.33	6.91	0.01	94.34
16MW-04	4/17/98	101.23	7.06	94.17	7.10	0.04	94.20
16MW-04	4/24/98	101.23	0.00	101.23	-	0.00	101.23
16MW-04	5/5/98	101.23	8.40	92.83	8.89	0.49	93.25
16MW-04	5/15/98	101.23	8.20	93.03	8.85	0.65	93.59
16MW-04	7/30/98	101.23	10.15	91.08	10.77	0.62	91.61
16MW-04	8/7/98	101.23	9.17	92.06	9.44	0.27	92.29
16MW-04	8/13/98	101.23	8.50	92.73	8.52	0.02	92.75
16MW-04	8/21/98	101.23	9.20	92.03	9.39	0.19	92.19
16MW-04	9/3/98	101.23	9.44	91.79	9.67	0.23	91.99
16MW-04	9/10/98	101.23	9.57	91.66	9.81	0.24	91.86
16MW-04	10/2/98	101.23	9.65	91.58	9.88	0.23	91.78
16MW-04	10/20/98	101.23	9.85	91.38	10.11	0.26	91.60
16MW-04	11/6/98	101.23	9.66	91.57	9.82	0.16	91.71
16MW-04	12/3/98	101.23	9.93	91.30	10.17	0.24	91.50
16MW-04	12/30/98	101.23	9.40	91.83	9.48	0.08	91.90
16MW-04	1/26/99	101.23	8.26	92.97	8.33	0.07	93.03
16MW-04	2/10/99	101.23	8.92	92.31	9.11	0.19	92.47
16MW-04	3/3/99	101.23	8.49	92.74	8.55	0.06	92.79
16MW-04	3/9/99	101.23	8.28	92.95	8.30	0.02	92.97
16MW-04	3/19/99	101.23	8.40	92.83	8.52	0.12	92.93
16MW-04	4/20/99	101.23	8.45	92.78	8.59	0.14	92.90
16MW-04	5/7/99	101.23	8.52	92.71	8.60	0 08	92.78
16MW-04	6/9/99	101.23	8.99	92.24	-	0.00	92.24
16MW-04	6/9/99	101.23	9.77	91 46	10.04	0.27	91.69
16MW-04	6/14/99	101.23	9.52	91.71	9.71	0.19	91.87
16MW-04	6/22/99	101.23	9.55	91.68	9.74	0.19	91.84
16MW-04	7/29/99	101.23	10.43	90.80	10.64	0.21	90.97
16MW-04	8/3/99	101.23	10.51	90.72	10.71	0.20	90.89
16MW-04	8/13/99	101.23	10.62	90.61	10.82	0.20	90.78
16MW-04	9/3/99	101.23	9.80	91.43	9.84	0.04	91.46
16MW-04	9/15/99	101.23	10.34	90.89	10.50	0.16	91.03
16MW-04	10/26/99	101.23	10.30	90.93	10.66	0.36	91.23
16MW-04	11/2/99	101.23	10.60	90.63	10.99	0.39	90.96
16MW-04	11/12/99	101.23	10.05	91.18	10.26	0.21	91.36
16MW-04	11/18/99	101.23	10.39	90.84	10.66	0.27	91.07
16MW-04	12/1/99	101.23	9 60	91.63	9.86	0.26	91.85
16MW-04	12/31/99	101.23	10.03	91.20	10.32	0.29	91.45
16MW-04	1/26/00	101.23	10.04	91.19	10.26	0.22	91.38
16MW-04	2/18/00	101.23	9.44	91.79	9.59	0.15	91.92
16MW-04	4/17/00	101.23	9.10	92.13	9.23	0.13	92.24
16MW-04	5/4/00	101.23	8.42	92.81	8.58	0.16	92.95
16MW-04	8/9/00	101.23	10.00	91.23	10.42	0.42	91.59
16MW-04	8/24/00	101.23	9.91	91.32	10.17	0.26	91.54
16MW-04	11/28/00	101.23	9.30	91.93	9.37	0.07	91.99
16MW-04	1/16/01	101.23	9.10	92.13	9.14	0.04	92.16
16MW-04	2/27/01	101.23	8.61	92.62	8.61	0.00	92.62

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-04	3/27/2001	101 23	8 25	92.98	8.55	0.30	93.24
16MW-04	4/19/2001	101.23	9.17	92.06	9.61	0.44	92.43
16MW-04	5/11/2001	101.23	9.76	91.47	10.21	0.45	91.86
16MW-04	6/6/2001	101.23	9.89	91.34	10.30	0.41	91.69
16MW-04	8/14/2001	101.23	9.33	91.90	9.38	0.05	91.94
16MW-04	9/14/2001	101.23	10.08	91.15	10.22	0.14	91.27
16MW-04	10/11/2001	101.23	9.97	91.26	10.03	0.06	91.31
16MW-04	11/13/2001	101.23	10.27	90.96	10.37	0.10	91.05
16MW-04	12/13/2001	101.23	9.76	91.47	9.79	0.03	91.49
16MW-04	2/28/2002	101.23	10.11	91.12	10.17	0.06	91.17
16MW-04	3/28/2002	101.23	9.27	91.96	9 31	0.04	91.99
16MW-04	4/23/2002	101.23	9.63	91.60	9.68	0.05	91 64
16MW-04	5/15/2002	101 23	9 30	91 93	9.33	0.03	91.96
16MW-04	6/8/2002	101.23	9.48	91.75	-	0.00	91.75
16MW-04	6/27/2002	101.23	9.73	91.50	9.81	0.08	91.56
16MW-04	7/16/2002	101.23	10.06	91.17	10.07	0.01	91.17
16MW-04	8/15/2002	101.23	10.90	90.33	11.43	0.53	90.78
16MW-04	9/10/2002	101.23	9.76	91.47	9.76	0.00	91.47
16MW-04	10/18/2002	101.23	8.65	92.58	9.20	0.55	93.05
16MW-04	11/14/2002	101.23	9.07	92.16	9.13	0.06	92.21
16MW-04	11/26/2002	101.23	8.90	92.33	8.95	0.05	92.37
16MW-04	12/16/2002	101.23	8.90	92.33	9.03	0.13	92.44
16MW-04	1/28/2003	101.23	8.55	92.68	8.56	0.01	92.69
16MW-04	2/26/2003	101.23	8.30	92.93	8.40	0.10	93.01
16MW-04	3/31/2003	101.23	7.90	93.33	7.92	0.02	93.35
16MW-04	4/29/2003	101.23	7.92	93 31	7.99	0.07	93.37
16MW-04	5/23/2003	101.23	8.20	93.03	8.22	0.02	93.04
16MW-04	8/1/2003	101.23	8.88	92.35	9.03	0.15	92.48
16MW-04	8/26/2003	101.23	9.12	92.11	9.28	0.16	92.24
16MW-04	9/17/2003	101.23	8.69	92.54	-	0.00	92.54
16MW-04	10/28/2003	101.23	8.90	92.33	-	0.00	92.33
16MW-04	11/11/2003	101.23	8.84	92.39	8.93	0.09	92.47
16MW-04	12/30/2003	101.23	8.60	92.63	8.83	0.23	92.82
16MW-04	1/16/2004	101.23	8 60	92.63	8.71	0.11	92.73
16MW-04	2/18/2004	101.23	8.80	92.43	9.05	0.25	92.64
16MW-04	3/24/2004	101.23	8.27	92.96	7.75	0.25	93.17
16MW-04	4/5/2004	101.23	8.21	93.02	7.51	0.70	93.62
16MW-04	5/5/2004	101.23	8.70	92.53	7.10	1.60	93.89
16MW-04	6/29/2004	101.23	8.87	92.36	8.63	0.24	92.56
16MW-04	7/27/2004	101.23	8.35	92.88	8.28	0.07	92.94
16MW-04	8/18/2004	101.23	9.20	92.03	8.80	0.40	92.37
16MW-04	9/1/2004	101.23	9.10	92.13	9 00	0.10	92.22
16MW-04	10/19/2004	101.23	9.15	92.08	9.00	0.15	92.21
16MW-04	11/23/2004	101.23	9.20	92.03	8.75	0.45	92.41
16MW-04	12/16/2004	101.23	9.35	91.88	8.06	1.29	92.98
16MW-04	1/12/2005	101.23	9.21	92.02	8.08	1.13	92.98
16MW-04	2/17/2005	101.23	8.64	92.59	7.75	0.89	93.35
16MW-04	3/2/2005	101.23	10.10	91.13	7.72	2.38	93.16
16MW-04	4/5/2005	101.23	7.81	93.42	7.22	0.59	93.92
16MW-04	5/13/2005	101.23	7.32	93.91	7.21	0.11	94.00
16MW-04	6/8/2005	101.23	8.12	93.11	8.02	0.10	93.20
16MW-04	7/27/2005	101.23	8 70	92.53	-	0.00	92.53
16MW-04	8/17/2005	101.23	8.25	92.98	-	0.00	92.98
16MW-04	9/21/2005	101.23	10.73	90.50	10.70	0.03	90.53
16MW-04	11/9/2005	101.23	8.60	92.63	8.00	0.60	93.14
16MW-04	12/14/2005	101.23	7.96	93.27	7.82	0.14	93.39
16MW-04	1/20/2006	101.23	7.95	93.28	7.05	0.90	94.05
16MW-04	2/28/2006	101.23	7.35	93.88	6.89	0.46	94.27

APPENDIX B
NAVAL WEAPONS STATION EARLE
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GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-13	8/20/97	100.97	10.90	90.07	11.70	0.80	90 75
16MW-13	10/6/97	100.97	11.10	89.87	11.85	0.75	90.51
16MW-13	12/12/97	100.97	10.50	90.47	11.15	0.65	91.02
16MW-13	1/7/98	100.97	10.22	90.75	10.95	0.73	91.37
16MW-13	1/15/98	100.97	10.29	90.68	11.04	0.75	91.31
16MW-13	2/10/98	100.97	10.01	90.96	10.89	0.88	91.71
16MW-13	2/24/98	100.97	8.82	92.15	9.54	0.72	92 76
16MW-13	3/3/98	100.97	10.02	90.95	11.06	1.04	91.84
16MW-13	3/12/98	100.97	9.67	91.30	10.70	1.03	92.17
16MW-13	3/13/98	100.97	9.02	91.95	9.83	0.81	92.64
16MW-13	3/26/98	100.97	7.05	93.92	7.35	0.30	94.18
16MW-13	4/3/98	100 97	7.72	93.25	8.14	0.42	93.61
16MW-13	4/9/98	100.97	7.34	93.63	7.61	0.27	93.86
16MW-13	4/17/98	100.97	6.95	94.02	7.13	0.18	94.17
16MW-13	4/24/98	100.97	8.16	92.81	8.74	0.58	93.30
16MW-13	5/5/98	100.97	8.85	92.12	9.61	0.76	92.77
16MW-13	5/15/98	100.97	7.09	93.88	7.61	0.52	94.32
16MW-13	7/30/98	100.97	10.25	90.72	11.07	0.82	91.42
16MW-13	8/7/98	100.97	8.57	92.40	8.83	0.26	92.62
16MW-13	8/13/98	100.97	8.36	92.61	8.51	0.15	92.73
16MW-13	8/21/98	100.97	8.84	92.13	9.11	0.27	92.36
16MW-13	9/3/98	100.97	8.69	92.28	8.87	0.18	92.43
16MW-13	9/10/98	100.97	8.71	92.26	8.86	0.15	92.39
16MW-13	10/2/98	100.97	9.23	91.74	9.50	0.27	91.97
16MW-13	10/20/98	100.97	8.88	92.09	9.02	0.14	92.21
16MW-13	11/6/98	100.97	9.01	91.96	9.15	0.14	92.08
16MW-13	12/3/98	100.97	8.95	92.02	9.06	0.11	92.11
16MW-13	12/30/98	100.97	9.29	91.68	9.49	0.20	91.85
16MW-13	1/26/99	100.97	8.10	92.87	8.28	0.18	93.03
16MW-13	2/10/99	100.97	9.00	91.97	9.38	0.38	92.29
16MW-13	3/3/99	100.97	8.13	92.84	8.24	0.11	92.93
16MW-13	3/9/99	100.97	8.17	92.80	8.31	0.14	92.92
16MW-13	3/19/99	100.97	7.97	93.00	8.13	0.16	93.13
16MW-13	4/20/99	100.97	8.00	92.97	8.15	0.15	93.09
16MW-13	5/7/99	100.97	8.45	92.52	8.59	0.14	92.64
16MW-13	6/9/99	100.97	7.76	93.21	7.77	0.01	93.21
16MW-13	6/9/99	100.97	9.80	91.17	10.24	0.44	91.54
16MW-13	6/10/99	100.97	9.20	91.77	9.30	0.10	91.85
16MW-13	6/14/99	100.97	9.52	91.45	9.87	0.35	91.75
16MW-13	6/22/99	100.97	9.76	91.21	10.17	0.41	91.56
16MW-13	7/29/99	100.97	10.83	90.14	11.32	0.49	90.56
16MW-13	8/3/99	100.97	10.90	90.07	11.38	0.48	90.47
16MW-13	8/13/99	100.97	11.03	89.94	11.51	0.48	90.35
16MW-13	9/3/99	100.97	9.15	91.82	9.18	0.03	91.85
16MW-13	9/15/99	100.97	9.41	91.56	9.46	0.05	91.60
16MW-13	10/26/99	100.97	10.24	90.73	10.74	0.50	91.15
16MW-13	11/2/99	100.97	10.47	90.50	10.99	0 52	90.94
16MW-13	11/12/99	100.97	10.07	90.90	10.44	0.37	91.21
16MW-13	11/18/99	100.97	10.36	90.61	10.78	0.42	90.96
16MW-13	12/1/99	100.97	10.26	90.71	10.69	0.43	91.07
16MW-13	12/31/99	100.97	10.12	90.85	10.59	0.47	91.25
16MW-13	1/26/00	100.97	10.06	90.91	10.44	0.38	91.24
16MW-13	2/18/00	100.97	8.94	92.03	9.10	0.16	92.17
16MW-13	4/17/00	100.97	8.87	92.10	9.08	0.21	92.27
16MW-13	5/4/00	100.97	7.94	93.03	8.04	0.10	93.12
16MW-13	8/9/00	100.97	8.68	92.29	8.93	0.25	92.50
16MW-13	8/24/00	100.97	8.71	92.26	8.79	0.08	92.33

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Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-13	10/26/00	100.97	9.03	91.94	9.10	0.07	92.00
16MW-13	11/28/00	100.97	9.80	91.17	9.90	0.10	91.26
16MW-13	1/16/01	100.97	9.03	91.94	9.20	0.17	92.08
16MW-13	2/27/01	100.97	8.05	92.92	8.09	0.04	92.95
16MW-13	3/27/01	100.97	8.09	92.88	8.35	0.26	93.10
16MW-13	4/19/01	100.97	9.61	91.36	10.36	0.75	92.00
16MW-13	5/11/01	100.97	10.28	90.69	11.06	0.78	91.36
16MW-13	6/6/01	100.97	10.18	90.79	10.87	0.69	91.38
16MW-13	8/14/01	100.97	9.67	91.30	10.00	0.33	91.58
16MW-13	9/14/01	100.97	9.48	91.49	9.63	0.15	91.62
16MW-13	10/11/01	100.97	9.41	91.56	9.50	0.09	91.63
16MW-13	11/13/01	100.97	9.45	91.52	9.49	0.04	91.56
16MW-13	12/13/01	100.97	9.34	91.63	9.39	0.05	91.67
16MW-13	1/8/02	100.97	9.35	91.62	9.36	0.01	91.63
16MW-13	1/23/02	100.97	9.35	91.62	9.41	0.06	91.67
16MW-13	2/28/02	100.97	9.51	91.46	9.56	0 05	91.50
16MW-13	3/28/02	100.97	9.04	91.93	9.18	0.14	92.05
16MW-13	4/23/02	100.97	10.12	90.85	10.48	0.36	91.16
16MW-13	5/15/02	100.97	9.98	90.99	10.38	0.40	91.33
16MW-13	6/8/02	100.97	9.40	91.57	9.55	0.15	91.70
16MW-13	6/27/02	100.97	9.70	91.27	9.95	0.25	91.48
16MW-13	7/16/02	100.97	9.66	91.31	9.72	0.06	91.36
16MW-13	8/15/02	100.97	9.98	90.99	10.17	0.19	91.15
16MW-13	9/10/02	100.97	9.74	91.23	-	0.00	91.23
16MW-13	10/18/02	100.97	9.00	91.97	9.21	0.21	92.14
16MW-13	11/14/02	100.97	9.40	91.57	9.45	0.05	91.61
16MW-13	11/26/02	100.97	9.90	91.07	10.42	0.52	91.52
16MW-13	12/16/02	100.97	9.87	91.10	10.48	0.61	91.62
16MW-13	1/28/03	100.97	9.00	91.97	9.33	0.33	92.25
16MW-13	2/26/03	100.97	8.00	92.97	8.30	0.30	93.23
16MW-13	3/31/03	100.97	7.15	93 82	7.18	0.03	93.85
16MW-13	4/29/03	100.97	7.80	93.17	8.05	0.25	93.38
16MW-13	5/23/03	100.97	7.90	93.07	8.03	0.13	93.18
16MW-13	6/26/03	100.97	7.16	93.81	7.39	0.23	94.00
16MW-13	8/1/03	100.97	8.21	92.76	8.36	0.15	92.89
16MW-13	8/26/03	100.97	8.60	92.37	8.79	0.19	92.53
16MW-13	9/17/03	100.97	8.41	92.56	8.51	0.10	92.65
16MW-13	10/28/03	100.97	8.55	92.42	8.63	0.08	92.48
16MW-13	12/30/03	100.97	7.75	93.22	7.94	0.19	93.38
16MW-13	1/16/04	100.97	8.16	92.81	8.34	0.18	92.96
16MW-13	2/18/04	100.97	7.70	93.27	7.83	0.13	93.38
16MW-13	3/24/04	100.97	7.35	93.62	7.00	0.35	93.92
16MW-13	4/5/04	100.97	7.20	93.77	6.78	0.42	94.13
16MW-13	5/5/04	100.97	7.21	93.76	6.38	0.83	94.47
16MW-13	6/29/04	100.97	8.34	92.63	8.01	0.33	92.91
16MW-13	7/27/04	100.97	9.00	91.97	7.50	1.50	93.25
16MW-13	8/18/04	100.97	8.40	92.57	8.20	0.20	92.74
16MW-13	9/1/04	100.97	8.41	92.56	8.35	0.06	92.61
16MW-13	10/19/04	100.97	8.55	92.42	8.40	0.15	92.55
16MW-13	11/23/04	100.97	8.50	92.47	8.23	0.27	92.70
16MW-13	12/16/04	100.97	8.21	92.76	7.55	0.66	93.32
16MW-13	1/12/05	100.97	8.25	92.72	7.55	0.70	93.32
16MW-13	2/17/05	100.97	7.54	93.43	7.19	0.35	93.73
16MW-13	3/2/05	100.97	7.43	93.54	7.23	0.20	93.71
16MW-13	4/5/05	100.97	7.71	93.26	6.46	1.25	94.33
16MW-13	5/13/05	100.97	7.22	93.75	6.95	0.27	93.98
16MW-13	6/8/05	100.97	7.76	93.21	7.45	0.31	93.47
16MW-13	7/27/05	100.97	8.30	92.67	7.90	0.40	93.01

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-13	8/17/05	100.97	8.56	92.41	8.55	0.01	92.42
16MW-13	9/21/05	100.97	10.10	90.87	8.90	1.20	91.89
16MW-13	10/5/05	100.97	10.35	90.62	9.15	1.20	91.64
16MW-13	11/9/05	100.97	7.60	93.37	7.40	0.20	93.54
16MW-13	12/14/05	100.97	7.79	93.18	7.41	0.38	93.50
16MW-13	1/20/06	100.97	6.93	94.04	6.29	0.64	94.59
16MW-13	2/28/06	100.97	7.49	93.48	6.83	0.66	94.04
16MW-14	8/20/97	100.66	10.64	90.02	11.47	0.83	90.72
16MW-14	10/6/97	100.66	11.61	89.05	12.60	0.99	89.90
16MW-14	12/12/97	100.66	10.72	89.94	11.51	0.79	90.61
16MW-14	1/7/98	100.66	10.52	90.14	11.38	0.86	90.87
16MW-14	1/7/98	100.66	10.52	90.14	11.38	0 86	90.87
16MW-14	1/15/98	100.66	9.61	91.05	10.25	0.64	91.59
16MW-14	2/10/98	100.66	10.36	90.30	11.44	1.08	91.22
16MW-14	3/3/98	100.66	6.40	94.27	7.23	0.84	94.98
16MW-14	3/12/98	100.66	8 29	92.37	9.04	0.75	93.01
16MW-14	3/13/98	100.66	8.90	91.76	9.74	0.84	92.47
16MW-14	3/26/98	100.66	5.70	94.96	5.73	0.03	94.99
16MW-14	4/3/98	100.66	6.66	94.00	6.87	0.21	94.18
16MW-14	4/9/98	100.66	5.38	95.28	5.47	0.09	95.36
16MW-14	4/17/98	100.66	6.05	94.61	6.15	0.10	94.69
16MW-14	4/24/98	100.66	7.82	92.84	8.37	0 55	93.30
16MW-14	5/5/98	100.66	7.41	93.25	7.87	0.46	93.64
16MW-14	5/15/98	100.66	5.70	94.96	5.80	0.10	95.05
16MW-14	7/30/98	100.66	10.05	90.61	10.90	0.85	91.34
16MW-14	8/7/98	100.66	7.40	93.26	7.46	0.06	93.31
16MW-14	8/13/98	100.66	7.71	92.95	7.76	0.05	92.99
16MW-14	8/21/98	100.66	8.60	92.06	8.87	0.27	92.29
16MW-14	9/3/98	100.66	8.41	92.25	8 56	0.15	92.38
16MW-14	9/10/98	100.66	7.96	92.70	8.11	0.15	92.83
16MW-14	10/2/98	100.66	8.62	92.04	8.80	0.18	92.20
16MW-14	10/20/98	100.66	8.57	92.09	8.71	0.14	92.21
16MW-14	11/6/98	100.66	8.65	92.01	8.77	0.12	92.11
16MW-14	12/3/98	100.66	8.71	91.95	8.84	0.13	92.06
16MW-14	12/30/98	100.66	9.33	91.33	9.47	0.14	91.45
16MW-14	1/26/99	100.66	7.62	93.04	7.77	0.15	93.17
16MW-14	2/10/99	100.66	8.38	92.28	8.68	0.30	92.53
16MW-14	3/3/99	100.66	8.41	92.25	8.54	0.13	92.36
16MW-14	3/9/99	100.66	7.45	93.21	7.49	0.04	93.24
16MW-14	3/19/99	100.66	7.40	93.26	7.49	0 09	93.33
16MW-14	4/20/99	100.66	7.59	93.07	7.70	0.11	93.17
16MW-14	5/7/99	100.66	7.77	92.89	7.78	0.01	92.90
16MW-14	6/1/99	100.66	8.48	92.18	8 70	0.22	92.36
16MW-14	6/9/99	100.66	7.65	93.01	7.65	0.00	93.01
16MW-14	6/9/99	100.66	9.04	91.62	9.34	0.30	91.88
16MW-14	6/10/99	100.66	8.50	92.16	8.63	0.13	92.27
16MW-14	6/14/99	100.66	8.80	91.86	9.02	0.22	92.04
16MW-14	6/22/99	100.66	8.95	91.71	9.20	0.25	91.92
16MW-14	7/29/99	100.66	10.25	90.41	10.63	0.38	90.73
16MW-14	8/3/99	100.66	10.40	90.26	10.80	0.40	90.60
16MW-14	8/13/99	100.66	10.46	90.20	10.85	0.39	90.53
16MW-14	9/3/99	100.66	8.85	91.81	8.88	0.03	91.84
16MW-14	9/15/99	100.66	9.29	91.37	9.38	0.09	91.45
16MW-14	10/26/99	100.66	10.20	90.46	10.77	0.57	90.95
16MW-14	11/2/99	100.66	10.26	90.40	10.79	0.53	90.85
16MW-14	11/12/99	100.66	9.60	91.06	9.75	0.15	91.19
16MW-14	11/18/99	100.66	9.82	90.84	10.00	0.18	90.99

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-14	12/1/99	100.66	9.70	90.96	10.05	0.35	91.26
16MW-14	12/31/99	100.66	9.50	91.16	9.88	0.38	91.48
16MW-14	1/26/00	100.66	9.44	91.22	9.73	0 29	91 46
16MW-14	2/18/00	100.66	8.93	91.73	9.17	0.24	91.94
16MW-14	4/17/00	100.66	8.42	92.24	8.59	0.17	92.38
16MW-14	5/4/00	100.66	0.00	100.66	0.00	0.00	100.66
16MW-14	8/9/00	100.66	8.40	92.26	8.62	0.22	92.45
16MW-14	8/24/00	100.66	5.56	95.10	5.57	0.01	95.11
16MW-14	10/26/00	100.66	8 83	91.83	8.90	0.07	91.89
16MW-14	11/28/00	100.66	9.35	91.31	9.54	0 19	91.47
16MW-14	1/16/01	100.66	9.30	91.36	9.59	0.29	91.61
16MW-14	2/27/01	100.66	7.62	93.04	7.63	0.01	93.04
16MW-14	4/19/01	100.66	7.05	93.61	7.09	0.04	93.64
16MW-14	5/11/01	100.66	9.17	91.49	9.50	0.33	91.77
16MW-14	6/6/01	100.66	9.84	90.82	10.36	0.52	91.26
16MW-14	8/14/01	100.66	9.82	90.84	10.05	0.23	91.04
16MW-14	9/14/01	100.66	9.67	90.99	9.72	0.05	91.03
16MW-14	10/11/01	100.66	9.74	90.92	9.77	0.03	90.95
16MW-14	11/13/01	100.66	9.94	90.72	9.97	0.03	90.75
16MW-14	12/13/01	100.66	9.88	90.78	9.93	0.05	90.82
16MW-14	1/8/02	100.66	10.31	90.35	10.53	0.22	90.53
16MW-14	1/23/02	100.66	9.72	90.94	9.76	0.04	90.98
16MW-14	2/28/02	100.66	9.87	90.79	9.88	0.01	90.80
16MW-14	3/28/02	100.66	9.65	91.01	9.84	0.19	91.17
16MW-14	4/23/02	100.66	10.91	89.75	11.36	0.45	90.13
16MW-14	5/15/02	100.66	9.64	91.02	9.80	0.16	91.16
16MW-14	6/8/02	100.66	9.63	91.03	9.70	0.07	91 09
16MW-14	6/27/02	100.66	9.36	91.30	-	0.00	91.30
16MW-14	7/16/02	100.66	10.34	90.32	10.45	0.11	90.41
16MW-14	8/15/02	100.66	10.51	90.15	10.70	0.19	90.31
16MW-14	9/10/02	100.66	10.69	89.97	11.02	0.33	90.25
16MW-14	10/18/02	100.66	8.00	92.66	-	0.00	92.66
16MW-14	11/14/02	100.66	8.05	92.61	8.08	0.03	92.63
16MW-14	11/26/02	100.66	8.34	92.32	8.36	0.02	92.34
16MW-14	12/16/02	100.66	7.40	93.26	7.60	0.20	93.43
16MW-14	1/28/03	100.66	8.20	92.46	8.20	0.00	92.46
16MW-14	2/26/03	100.66	7.55	93.11	7.62	0.07	93.17
16MW-14	3/31/03	100.66	7.60	93.06	7.63	0.03	93.08
16MW-14	4/29/03	100 66	6.61	94.05	-	0.00	94.05
16MW-14	5/23/03	100.66	7.90	92.76	7.93	0.03	92.78
16MW-14	6/26/03	100.66	7.20	93.46	7.28	0.08	93.52
16MW-14	8/1/03	100.66	8.48	92.18	8.56	0.08	92.24
16MW-14	8/26/03	100.66	8.61	92.05	8.65	0.04	92.09
16MW-14	9/17/03	100.66	8.47	92.19	8.49	0.02	92.20
16MW-14	10/28/03	100.66	8.60	92.06	8.63	0.03	92.08
16MW-14	11/11/03	100.66	8.10	92.56	8.13	0.03	92.58
16MW-14	12/30/03	100.66	7.45	93.21	7.46	0.01	93.22
16MW-14	1/16/04	100.66	8.15	92.51	8.18	0.03	92.53
16MW-14	2/18/04	100.66	7.53	93.13	7.54	0.01	93.14
16MW-14	3/24/04	100.66	7.65	93.01	7.56	0.09	93.09
16MW-14	4/5/04	100.66	6.44	94.22	6.35	0.09	94.30
16MW-14	5/5/04	100.66	7.15	93.51	7.00	0.15	93.64
16MW-14	6/29/04	100.66	8.63	92.03	8.54	0.09	92.11
16MW-14	7/27/04	100.66	7.09	93.57	7.00	0.09	93.65
16MW-14	8/18/04	100.66	8.64	92.02	8.60	0.04	92.05
16MW-14	9/1/04	100.66	8.89	91.77	8.80	0.09	91.85
16MW-14	10/19/04	100.66	8.95	91.71	-	0.00	91.71
16MW-14	11/23/04	100.66	8.57	92.09	-	0.00	92.09

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-14	12/16/04	100.66	8.14	92.52	8 10	0.04	92.55
16MW-14	1/12/05	100.66	7.55	93.11	7.50	0.05	93.15
16MW-14	2/17/05	100.66	6.86	93.80	-	0 00	93.80
16MW-14	3/2/05	100.66	7.75	92.91	7.66	0.09	92.99
16MW-14	4/5/05	100.66	6.91	93.75	6.87	0.04	93.78
16MW-14	5/13/05	100.66	7.37	93 29	-	0.00	93.29
16MW-14	6/8/05	100.66	7.89	92.77	7.85	0.04	92.80
16MW-14	7/27/05	100.66	8.35	92.31	8.33	0.02	92.33
16MW-14	8/17/05	100.66	9.20	91.46	9.10	0.10	91.55
16MW-14	9/21/05	100.66	10.62	90.04	10.60	0.02	90.06
16MW-14	10/5/05	100.66	9.85	90.81	9.84	0.01	90.82
16MW-14	11/9/05	100.66	7.97	92.69	7.95	0.02	92.71
16MW-14	12/14/05	100.66	7.91	92.75	7.84	0.07	92.81
16MW-14	1/20/06	100.66	6.51	94.15	-	0.00	94.15
16MW-14	2/28/06	100.66	7.41	93.25	7.31	0.10	93.34
16MW-15	8/20/97	100.98	11.49	89.49	12.39	0.90	90.26
16MW-15	8/20/97	100.98	8.80	92.18	9.70	0.90	92.95
16MW-15	10/6/97	100.98	11.98	89.00	12.91	0.93	89.79
16MW-15	12/12/97	100.98	11.96	89.02	12.95	0.99	89.87
16MW-15	1/7/98	100.98	12.38	88.60	13.65	1.27	89.68
16MW-15	1/15/98	100.98	10.88	90.10	11.72	0.84	90.82
16MW-15	2/10/98	100.98	12.40	88.58	13.90	1.50	89.85
16MW-15	3/3/98	100.98	11.50	89.48	12.88	1.38	90.65
16MW-15	3/12/98	100.98	10.50	90.48	11.69	1.19	91.49
16MW-15	3/13/98	100.98	8.60	92.38	9.21	0.61	92.90
16MW-15	3/26/98	100.98	6.40	94.58	6.43	0.03	94.61
16MW-15	4/3/98	100.98	8.01	92.97	8.43	0.42	93.32
16MW-15	4/9/98	100.98	7.19	93.79	7.33	0.14	93.91
16MW-15	4/17/98	100.98	6.79	94.19	6.85	0.06	94.24
16MW-15	4/24/98	100.98	8.45	92.53	9.03	0.58	93.02
16MW-15	5/5/98	100.98	8.50	92.48	9.09	0.59	92 98
16MW-15	5/15/98	100.98	7.20	93.78	7.56	0.36	94.09
16MW-15	7/30/98	100.98	10.96	90.02	11.88	0.92	90.81
16MW-15	8/7/98	100 98	9.06	91.92	9.37	0.31	92.18
16MW-15	8/13/98	100.98	8.77	92.21	8.94	0.17	92.35
16MW-15	8/21/98	100.98	9 22	91.76	9.49	0.27	91.99
16MW-15	9/3/98	100.98	9.12	91.86	9.34	0.22	92.05
16MW-15	9/10/98	100.98	9.11	91.87	9.29	0.18	92.02
16MW-15	10/2/98	100.98	9.30	91.68	9.51	0.21	91.85
16MW-15	10/20/98	100.98	9.25	91.73	9.41	0.16	91.87
16MW-15	11/6/98	100.98	9.06	91.92	9.12	0.06	91.97
16MW-15	12/3/98	100.98	9.27	91.71	9.39	0.12	91.81
16MW-15	12/30/98	100.98	8.67	92.31	8.78	0.11	92.40
16MW-15	1/26/99	100.98	8.12	92.86	8.25	0.13	92.97
16MW-15	2/10/99	100.98	8.81	92.17	9 06	0.25	92.38
16MW-15	3/3/99	100.98	7.77	93.21	7.88	0.11	93.30
16MW-15	3/9/99	100.98	9.50	91.48	9.90	0.40	91.82
16MW-15	3/19/99	100.98	8.21	92.77	8.36	0.15	92.90
16MW-15	4/20/99	100.98	8.30	92.68	8.44	0.14	92.80
16MW-15	6/1/99	100.98	8.91	92.07	9.08	0.17	92.21
16MW-15	6/9/99	100.98	7.96	93.02	-	0.00	93.02
16MW-15	6/9/99	100.98	9.37	91.61	9.60	0.23	91.80
16MW-15	6/10/99	100.98	9.01	91.97	9.12	0.11	92.06
16MW-15	6/14/99	100.98	9.27	91.71	9.45	0.18	91.86
16MW-15	6/22/99	100.98	9.35	91.63	9.56	0.21	91.80
16MW-15	7/29/99	100.98	10.61	90.37	10.94	0.33	90.65
16MW-15	8/13/99	100.98	10.98	90.00	11.35	0.37	90.31

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-15	9/3/99	100.98	9.44	91.54	9.48	0.04	91.57
16MW-15	9/15/99	100.98	9.94	91.04	10.06	0.12	91.14
16MW-15	10/26/99	100.98	10.65	90.33	11.20	0.55	90.79
16MW-15	11/2/99	100.98	10.93	90.05	11.50	0.57	90.54
16MW-15	11/12/99	100.98	9.70	91.28	10.04	0.34	91.57
16MW-15	11/18/99	100.98	9.81	91.17	10.16	0.35	91.47
16MW-15	12/1/99	100.98	9.60	91.38	9.76	0.16	91.52
16MW-15	12/31/99	100.98	9.48	91.50	9.69	0.21	91.67
16MW-15	1/26/00	100.98	9.50	91.48	9.64	0.14	91.60
16MW-15	2/18/00	100.98	8.91	92.07	8.98	0.07	92.13
16MW-15	4/17/00	100.98	8.83	92.15	8.95	0.12	92.25
16MW-15	5/4/00	100.98	8.25	92.73	8.32	0.07	92.79
16MW-15	8/9/00	100.98	9.17	91.81	9.44	0.27	92.04
16MW-15	8/24/00	100.98	9.05	91.93	9.14	0.09	92 00
16MW-15	10/26/00	100.98	9.35	91.63	9.43	0.08	91.69
16MW-15	11/28/00	100.98	8.90	92.08	9.00	0.10	92.17
16MW-15	1/16/01	100.98	9.00	91.98	9.09	0.09	92.05
16MW-15	2/27/01	100.98	8.17	92.81	-	0.00	92.81
16MW-15	3/27/01	100.98	7.65	93.33	7.71	0.06	93.38
16MW-15	4/19/01	100.98	7.98	93.00	8.19	0.21	93.18
16MW-15	5/11/01	100.98	9.33	91.65	9.74	0.41	92.00
16MW-15	6/6/01	100.98	10.06	90.92	10.61	0.55	91.39
16MW-15	8/14/01	100.98	9.19	91.79	9.29	0.10	91.88
16MW-15	9/14/01	100.98	9.80	91.18	9.95	0.15	91.30
16MW-15	10/11/01	100.98	9.72	91.26	9.81	0.09	91.33
16MW-15	11/13/01	100.98	10.28	90.70	10.49	0.21	90.88
16MW-15	12/13/01	100.98	10.07	90.91	10.26	0.19	91.07
16MW-15	1/8/02	100.98	9.82	91.16	9.97	0.15	91.29
16MW-15	1/23/02	100.98	9.50	91.48	9.54	0.04	91.51
16MW-15	2/28/02	100.98	9.65	91.33	9.68	0.03	91.36
16MW-15	3/28/02	100.98	8.80	92.18	8.85	0.05	92.22
16MW-15	4/23/02	100.98	9.49	91.49	9.60	0.11	91.58
16MW-15	5/15/02	100.98	9.28	91.70	9.41	0.13	91.81
16MW-15	6/8/02	100.98	9.40	91.58	9.48	0.08	91.64
16MW-15	6/27/02	100.98	9.35	91.63	9.41	0.06	91.68
16MW-15	7/16/02	100.98	9.89	91.09	9.93	0.04	91.12
16MW-15	8/15/02	100.98	10.23	90.75	10.35	0.12	90.85
16MW-15	9/10/02	100.98	10.31	90.67	10.63	0.32	90.94
16MW-15	10/18/02	100.98	8.75	92.23	8.82	0.07	92.29
16MW-15	11/14/02	100.98	9.15	91.83	9.31	0.16	91.97
16MW-15	11/26/02	100.98	10.45	90.53	11.06	0.61	91.05
16MW-15	12/16/02	100.98	9.75	91.23	10.24	0.49	91.65
16MW-15	1/28/03	100.98	8.60	92.38	8.71	0.11	92.48
16MW-15	2/26/03	100.98	8.07	92.91	8.21	0.14	93.03
16MW-15	3/31/03	100.98	7.60	93.38	7.63	0.03	93.40
16MW-15	4/29/03	100.98	7.51	93.47	7.55	0.04	93.50
16MW-15	5/23/03	100.98	8.02	92.96	8.07	0.05	93.00
16MW-15	6/26/03	100.98	7.40	93.58	7.55	0.15	93.70
16MW-15	8/1/03	100.98	8.42	92.56	8.53	0.11	92.65
16MW-15	8/26/03	100.98	7.80	93.18	7.95	0.15	93.31
16MW-15	9/17/03	100.98	8.74	92.24	8.86	0.12	92.34
16MW-15	10/28/03	100.98	8.72	92.26	8.78	0.06	92.31
16MW-15	11/11/03	100.98	8.10	92.88	8.12	0.02	92.89
16MW-15	12/30/03	100.98	7.80	93.18	7.89	0.09	93.25
16MW-15	1/16/04	100.98	8.30	92.68	8.43	0.13	92.79
16MW-15	2/18/04	100.98	8.25	92.73	8.44	0.19	92.89
16MW-15	3/24/04	100.98	7.87	93.11	7.47	0.40	93.45
16MW-15	4/5/04	100.98	7.61	93.37	7.19	0.42	93.73

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-15	5/5/04	100.98	7.90	93.08	6.82	1.08	94.00
16MW-15	6/29/04	100.98	8.82	92.16	8.29	0.53	92.61
16MW-15	7/27/04	100.98	8.20	92.78	8.00	0.20	92.95
16MW-15	8/18/04	100.98	8.55	92.43	8.45	0.10	92.52
16MW-15	9/1/04	100.98	8.79	92.19	8.75	0.04	92.22
16MW-15	11/23/04	100.98	9.23	91.75	8.34	0.89	92.51
16MW-15	12/16/04	100.98	9.05	91.93	7.69	1.36	93.09
16MW-15	1/12/05	100.98	9.21	91.77	7.65	1.56	93.10
16MW-15	2/17/05	100.98	7.65	93.33	7.58	0.07	93.39
16MW-15	3/2/05	100.98	8.21	92.77	7.59	0.62	93.30
16MW-15	4/5/05	100.98	7.06	93.92	6.99	0.07	93.98
16MW-15	5/13/05	100.98	7.39	93.59	7.22	0.17	93.73
16MW-15	6/8/05	100.98	7.91	93.07	7.71	0.20	93.24
16MW-15	7/27/05	100.98	9.15	91.83	9.12	0.03	91.86
16MW-15	8/17/05	100.98	8.96	92.02	8.95	0.01	92.03
16MW-15	9/21/05	100.98	9 91	91.07	9.90	0.01	91.08
16MW-15	10/5/05	100.98	10.11	90.87	10.10	0.01	90.88
16MW-15	11/9/05	100.98	8.30	92.68	8.20	0.10	92.77
16MW-15	12/14/05	100.98	8.48	92.50	8.12	0.36	92.81
16MW-15	1/20/06	100.98	7.28	93.70	-	0.00	93.70
16MW-15	2/28/06	100.98	7.74	93.24	-	0.00	93.24
16MW-16	8/20/97	98.82	7.01	91.81	7.07	0.06	91.86
16MW-16	10/6/97	98.82	8.19	90.63	8.55	0.36	90.93
16MW-16	12/12/97	98.82	10.90	87.92	12.10	1.20	88.94
16MW-16	1/7/98	98.82	10.40	88.42	11.55	1.15	89.40
16MW-16	1/15/98	98.82	7.83	90.99	8.39	0.56	91.47
16MW-16	2/10/98	98.82	7.38	91.44	7.87	0.49	91.86
16MW-16	2/24/98	98.82	4.05	94.77	4.25	0.20	94.94
16MW-16	3/3/98	98.82	5.70	93.12	5.87	0 17	93.27
16MW-16	3/12/98	98.82	4.81	94.01	4.84	0.03	94.03
16MW-16	3/13/98	98.82	5.12	93.70	5.14	0.02	93.72
16MW-16	3/26/98	98.82	4.42	94.40	4.43	0.01	94.41
16MW-16	4/3/98	98.82	5.17	93.65	5.18	0.01	93.66
16MW-16	4/9/98	98.82	5.35	93.47	5.37	0.02	93.49
16MW-16	4/17/98	98.82	5.60	93.22	5.74	0.14	93.34
16MW-16	4/24/98	98.82	5.28	93.54	5.37	0.09	93.62
16MW-16	5/5/98	98.82	5.32	93.50	5.40	0.08	93.56
16MW-16	5/15/98	98.82	4.25	94.57	4.36	0.11	94.66
16MW-16	7/30/98	98.82	7.64	91.18	8.03	0.39	91.51
16MW-16	8/7/98	98.82	6.92	91.90	7.06	0.14	92.02
16MW-16	8/13/98	98.82	7.22	91.60	7.39	0.17	91.75
16MW-16	8/21/98	98.82	6.99	91.83	7.06	0.07	91.89
16MW-16	9/3/98	98.82	6.86	91.96	6.90	0.04	91.99
16MW-16	9/10/98	98.82	7.01	91.81	7.05	0.04	91.84
16MW-16	10/2/98	98.82	7 22	91 60	7.30	0.08	91.67
16MW-16	10/20/98	98.82	7.16	91.66	7.20	0.04	91.69
16MW-16	11/6/98	98.82	7.25	91.57	7.28	0.03	91.60
16MW-16	12/3/98	98.82	7.24	91.58	7.28	0.04	91.61
16MW-16	12/30/98	98.82	7.27	91.55	7.33	0.06	91.60
16MW-16	1/26/99	98.82	5.89	92.93	5.90	0.01	92.94
16MW-16	2/10/99	98.82	6.45	92.37	6.53	0.08	92.44
16MW-16	3/9/99	98.82	6.21	92.61	6.23	0.02	92.62
16MW-16	3/19/99	98.82	5 85	92.97	5.86	0.01	92.97
16MW-16	4/20/99	98.82	6.05	92.77	6.06	0.01	92.78
16MW-16	5/7/99	98.82	6.26	92.56	6.27	0.01	92.57
16MW-16	6/1/99	98.82	6.95	91.87	7.05	0.10	91.95
16MW-16	6/9/99	98.82	6.15	92.67	6:15	0.00	92 67

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-16	6/9/99	98.82	7.50	91.32	7.66	0.16	91.46
16MW-16	6/10/99	98.82	7.05	91.77	7.08	0.03	91.79
16MW-16	6/14/99	98.82	7.20	91.62	7.26	0.06	91.67
16MW-16	6/22/99	98.82	7.26	91.56	7.36	0.10	91.64
16MW-16	7/29/99	98.82	8.62	90.20	8.85	0.23	90 39
16MW-16	8/3/99	98.82	8.80	90.02	9.05	0.25	90.23
16MW-16	8/13/99	98.82	8.97	89.85	9.24	0.27	90.08
16MW-16	9/3/99	98.82	8.35	90.47	8.55	0.20	90.64
16MW-16	9/15/99	98.82	8.10	90.72	8.19	0.09	90.79
16MW-16	10/26/99	98.82	8.00	90.82	8.30	0.30	91.08
16MW-16	11/2/99	98.82	8.22	90.60	8.53	0.31	90.86
16MW-16	11/12/99	98.82	7.30	91.52	7.33	0.03	91.54
16MW-16	11/18/99	98.82	7.57	91.25	7.61	0.04	91.29
16MW-16	12/1/99	98.82	7.51	91.31	7.59	0.08	91.38
16MW-16	12/31/99	98.82	7.44	91.38	7.48	0.04	91.41
16MW-16	1/26/00	98.82	7.37	91.45	7.41	0.04	91.49
16MW-16	2/18/00	98.82	6.85	91.97	6.86	0.01	91.98
16MW-16	4/17/00	98.82	6.59	92.23	6.61	0.02	92.25
16MW-16	8/9/00	98.82	6.46	92.36	6.63	0.17	92.51
16MW-16	8/24/00	98.82	0.00	98.82	-	0.00	98.82
16MW-16	10/26/00	98.82	7.40	91.42	7.53	0.13	91.53
16MW-16	11/28/00	98.82	8.57	90.25	8.86	0.29	90.49
16MW-16	1/16/01	98.82	6.99	91.83	7.02	0.03	91.85
16MW-16	2/27/01	98.82	6.26	92.56	-	0.00	92.56
16MW-16	3/27/01	98.82	5.90	92.92	-	0.00	92.92
16MW-16	5/11/01	98.82	6.38	92.44	6.43	0.05	92.48
16MW-16	6/6/01	98 82	6.54	92.28	6.58	0.04	92.31
16MW-16	8/14/01	98.82	7.56	91.26	7.68	0.12	91.36
16MW-16	9/14/01	98.82	8.22	90.60	8.39	0.17	90.75
16MW-16	10/11/01	98.82	7.35	91.47	7.52	0.17	91.61
16MW-16	11/13/01	98.82	8.91	89.91	9.23	0.32	90.18
16MW-16	12/13/01	98.82	7.57	91.25	7.61	0.04	91.28
16MW-16	1/8/02	98.82	7.77	91.05	7.87	0.10	91.13
16MW-16	1/23/02	98.82	7.60	91.22	7.64	0.04	91.25
16MW-16	2/28/02	98.82	7.75	91.07	7.76	0.01	91.07
16MW-16	3/28/02	98.82	6.75	92.07	6.76	0.01	92.08
16MW-16	4/23/02	98.82	7.38	91.44	7.66	0.28	91.68
16MW-16	5/15/02	98.82	7.09	91.73	7.12	0.03	91.76
16MW-16	6/8/02	98.82	7.35	91.47	7.36	0.01	91 48
16MW-16	6/27/02	98.82	7.50	91.32	7.55	0.05	91 36
16MW-16	8/15/02	98.82	8.51	90.31	8.63	0.12	90.41
16MW-16	9/10/02	98.82	7.51	91.31	7.54	0.03	91.34
16MW-16	10/18/02	98.82	7.10	91.72	7.11	0.01	91.73
16MW-16	11/14/02	98.82	6.76	92.06	6.78	0.02	92.08
16MW-16	11/26/02	98.82	5.17	93.65	5.18	0.01	93.65
16MW-16	12/16/02	98.82	6.33	92.49	6.37	0.04	92.52
16MW-16	1/28/03	98.82	6.40	92.42	6.43	0.03	92.44
16MW-16	2/26/03	98.82	4.99	93.83	5.00	0.01	93.84
16MW-16	3/31/03	98.82	5.31	93.51	5.32	0.01	93.52
16MW-16	4/29/03	98.82	4.98	93.84	4.99	0.01	93.85
16MW-16	5/23/03	98.82	5.97	92.85	5.98	0.01	92.85
16MW-16	6/26/03	98.82	4.00	94.82	4.01	0.01	94.83
16MW-16	8/1/03	98.82	6.20	92.62	6.21	0.01	92.63
16MW-16	8/26/03	98.82	6.40	92.42	6.41	0.01	92.43
16MW-16	12/30/03	98.82	0.00	98.82	-	0.00	98.82
16MW-16	3/24/04	98.82	4.76	94.06	4.68	0.08	94.13
16MW-16	4/5/04	98.82	4.51	94.31	4.44	0.07	94.37
16MW-16	5/5/04	98.82	5.40	93.42	-	0.00	93.42

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-16	6/29/04	98.82	6.75	92.07	6.63	0.12	92.17
16MW-16	7/27/04	98.82	6.50	92.32	-	0.00	92.32
16MW-16	8/18/04	98.82	5.40	93.42	-	0.00	93.42
16MW-16	9/1/04	98.82	4.95	93.87	-	0.00	93.87
16MW-16	10/19/04	98.82	6.99	91.83	6.90	0.09	91.91
16MW-16	11/23/04	98.82	6.55	92.27	6.46	0.09	92.35
16MW-16	1/12/05	98.82	3.86	94.96	3.82	0.04	94.99
16MW-16	2/17/05	98.82	3.71	95.11	3.55	0.16	95.25
16MW-16	3/2/05	98.82	5.37	93.45	5.33	0.04	93.48
16MW-16	4/5/05	98.82	4.71	94.11	4.58	0.13	94.22
16MW-16	5/13/05	98.82	4.97	93.85	4.85	0.12	93.95
16MW-16	6/8/05	98.82	5.49	93.33	-	0.00	93.33
16MW-16	7/27/05	98.82	7.42	91.40	-	0.00	91 40
16MW-16	8/17/05	98.82	7.31	91.51	7.30	0.01	91.52
16MW-16	9/21/05	98.82	7.80	91.02	7.75	0.05	91.06
16MW-16	10/5/05	98.82	8.00	90.82	7.98	0.02	90.84
16MW-16	11/9/05	98.82	4.75	94.07	4.72	0.03	94.10
16MW-16	12/14/05	98.82	5.54	93.28	-	0.00	93.28
16MW-16	1/20/06	98.82	4.43	94.39	-	0.00	94.39
16MW-16	2/28/06	98.82	4.95	93.87	-	0.00	93.87
16MW-17	8/20/97	99.79	10.87	88.92	11.91	1.04	89.80
16MW-17	10/6/97	99.79	8.19	91.60	9.47	1.28	92.69
16MW-17	10/6/97	99.79	10.98	88.81	11.92	0.94	89.61
16MW-17	12/12/97	99.79	10.50	89.29	11.38	0.88	90.04
16MW-17	1/7/98	99.79	11.15	88.64	12.37	1 22	89.68
16MW-17	1/15/98	99.79	8.45	91.34	8.89	0.44	91.71
16MW-17	2/10/98	99.79	10.24	89.55	11.42	1.18	90.55
16MW-17	2/24/98	99.79	6.70	93.09	7.08	0.38	93.41
16MW-17	3/3/98	99.79	8.95	90.84	9.91	0.96	91.66
16MW-17	3/12/98	99.79	7.27	92.52	7.77	0.50	92.94
16MW-17	3/13/98	99.79	5.55	94.24	5.63	0.08	94.30
16MW-17	3/26/98	99.79	5.35	94.44	5.37	0.02	94.45
16MW-17	4/3/98	99.79	5.54	94.25	5.65	0.11	94.34
16MW-17	4/9/98	99.79	6.12	93.67	6.22	0.10	93.75
16MW-17	4/17/98	99.79	6.04	93.75	6.18	0.14	93.87
16MW-17	4/24/98	99.79	6.19	93.60	6.40	0.21	93.77
16MW-17	5/5/98	99.79	6.45	93.34	6.72	0.27	93.57
16MW-17	5/15/98	99.79	5.36	94.43	5.45	0.09	94.51
16MW-17	7/30/98	99.79	10.26	89.53	11.27	1.01	90.39
16MW-17	8/7/98	99.79	7.72	92.07	7.93	0.21	92.25
16MW-17	8/13/98	99.79	7.95	91.84	8.17	0.22	92.03
16MW-17	8/21/98	99.79	7.62	92.17	7.71	0.09	92.25
16MW-17	9/3/98	99.79	7.76	92.03	7.88	0.12	92.13
16MW-17	9/10/98	99.79	7.72	92.07	7.80	0 08	92.14
16MW-17	10/2/98	99.79	8.28	91.51	8.48	0.20	91.68
16MW-17	10/20/98	99.79	7.85	91.94	7.92	0.07	92.00
16MW-17	11/6/98	99.79	8.04	91.75	8.11	0.07	91.81
16MW-17	12/3/98	99.79	7.99	91.80	8.04	0.05	91.84
16MW-17	12/30/98	99.79	8.36	91.43	8.54	0.18	91.58
16MW-17	1/26/99	99.79	6.73	93.06	6.81	0.08	93.12
16MW-17	2/10/99	99.79	7.74	92.05	7.99	0.25	92.26
16MW-17	3/9/99	99.79	7.03	92.76	7.09	0.06	92.81
16MW-17	3/19/99	99.79	6.68	93.11	6.74	0.06	93.16
16MW-17	4/20/99	99.79	6.90	92.89	6.96	0.06	92.94
16MW-17	5/7/99	99.79	6.96	92.83	6.98	0.02	92.85
16MW-17	6/1/99	99.79	7.53	92.26	7.61	0.08	92.33
16MW-17	6/9/99	99.79	7.16	92.63	-	0.00	92.63

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-17	6/9/99	99.79	7.99	91.80	8.12	0.13	91.91
16MW-17	6/10/99	99.79	7.74	92.05	7.79	0.05	92.09
16MW-17	6/14/99	99.79	7.91	91.88	8.01	0.10	91.97
16MW-17	6/22/99	99.79	8.01	91.78	8.12	0.11	91.88
16MW-17	7/29/99	99.79	9 40	90.39	9.67	0.27	90.62
16MW-17	8/3/99	99.79	9.55	90.24	9.83	0.28	90.48
16MW-17	8/13/99	99.79	9.70	90.09	10.00	0.30	90.34
16MW-17	9/3/99	99.79	8.49	91.30	8.53	0.04	91.34
16MW-17	9/15/99	99.79	8.86	90.93	8.97	0.11	91.03
16MW-17	10/26/99	99.79	9.81	89.98	10.44	0.63	90.51
16MW-17	11/2/99	99.79	9.99	89.80	10.63	0.64	90.34
16MW-17	11/12/99	99.79	8.31	91.48	8.41	0.10	91.57
16MW-17	11/18/99	99 79	8.55	91.24	8.68	0.13	91.35
16MW-17	12/1/99	99.79	8.87	90.92	9.00	0.13	91.03
16MW-17	12/31/99	99.79	8.21	91.58	8.37	0.16	91.72
16MW-17	1/26/00	99.79	8.21	91.58	8.30	0.09	91.65
16MW-17	2/18/00	99.79	7.57	92.22	7.59	0.02	92.24
16MW-17	4/17/00	99.79	7.46	92.33	7.51	0.05	92.38
16MW-17	5/4/00	99.79	7.14	92.65	7.17	0.03	92.67
16MW-17	8/9/00	99.79	8.40	91.39	8.82	0.42	91.75
16MW-17	8/24/00	99.79	7.85	91.94	7.91	0.06	91 99
16MW-17	10/26/00	99.79	8.09	91.70	8.11	0.02	91.72
16MW-17	11/28/00	99.79	8.48	91.31	8.73	0.25	91.53
16MW-17	1/16/01	99.79	7.90	91.89	8.00	0.10	91.98
16MW-17	2/27/01	99.79	7.05	92.74	-	0.00	92.74
16MW-17	3/27/01	99.79	6.40	93.39	6.43	0.03	93.41
16MW-17	4/19/01	99.79	6.55	93.24	6.65	0.10	93.33
16MW-17	5/11/01	99.79	7.42	92.37	7.55	0.13	92.48
16MW-17	6/6/01	99.79	8.00	91.79	8.25	0.25	92.00
16MW-17	8/14/01	99.79	9.27	90.52	9.68	0.41	90.87
16MW-17	9/14/01	99.79	8.70	91.09	8.81	0.11	91.18
16MW-17	10/11/01	99.79	8.44	91.35	8.46	0.02	91.36
16MW-17	11/13/01	99.79	8.66	91.13	8.70	0.04	91.16
16MW-17	11/13/01	99.79	9.22	90.57	-	0.00	90.57
16MW-17	12/13/01	99.79	8.45	91.34	8.48	0.03	91.36
16MW-17	1/8/02	99.79	8.51	91.28	8.59	0.08	91.35
16MW-17	1/23/02	99.79	8.40	91.39	8.43	0.03	91.42
16MW-17	2/28/02	99.79	8.51	91.28	8.52	0.01	91.29
16MW-17	3/28/02	99.79	7.64	92.15	7 66	0.02	92.16
16MW-17	4/23/02	99.79	8.09	91.70	8.11	0.02	91.72
16MW-17	5/15/02	99.79	7.83	91.96	7.88	0.05	92.00
16MW-17	6/8/02	99.79	8.08	91.71	8.09	0.01	91.72
16MW-17	6/27/02	99.79	8.20	91.59	8.24	0.04	91.62
16MW-17	7/16/02	99.79	8.77	91.02	8.79	0.02	91.04
16MW-17	8/15/02	99.79	9.88	89.91	10.84	0.96	90.73
16MW-17	9/10/02	99.79	8.80	90.99	8.98	0.18	91.14
16MW-17	10/18/02	99.79	7.13	92.66	7.14	0.01	92.67
16MW-17	11/14/02	99.79	9.30	90.49	9.83	0.53	90.94
16MW-17	11/26/02	99.79	7.20	92.59	7.43	0.23	92.78
16MW-17	12/16/02	99.79	7.50	92.29	7.68	0.18	92.45
16MW-17	1/28/03	99.79	7.26	92.53	7.30	0.04	92.56
16MW-17	2/26/03	99.79	6.54	93.25	6.57	0.03	93.27
16MW-17	3/31/03	99.79	6.50	93.29	6.54	0.04	93.32
16MW-17	4/29/03	99.79	6.35	93.44	6.37	0.02	93.45
16MW-17	5/23/03	99.79	7.03	92.76	7.10	0.07	92.82
16MW-17	6/26/03	99.79	5.80	93.99	5.83	0.03	94.01
16MW-17	8/1/03	99.79	7.38	92.41	7.49	0.11	92.51
16MW-17	8/26/03	99.79	7.61	92.18	7.71	0.10	92.27

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-17	9/17/03	99.79	7.49	92.30	7.54	0.05	92.34
16MW-17	10/28/03	99.79	7.49	92.30	-	0.00	92.30
16MW-17	11/11/03	99.79	7.38	92.41	7.46	0.08	92.47
16MW-17	12/30/03	99.79	6.35	93.44	6.36	0.01	93.45
16MW-17	1/16/04	99.79	6.95	92.84	7.00	0.05	92 88
16MW-17	2/18/04	99.79	6.57	93.22	6.59	0.02	93.23
16MW-17	3/24/04	99.79	6.54	93.25	6.37	0.17	93.39
16MW-17	4/5/04	99.79	6.24	93.55	6.14	0.10	93.64
16MW-17	5/5/04	99.79	6.50	93.29	-	0.00	93.29
16MW-17	6/29/04	99.79	7.36	92.43	-	0.00	92 43
16MW-17	7/27/04	99.79	7.15	92 64	7.10	0.05	92.68
16MW-17	8/18/04	99.79	7.40	92.39	-	0.00	92.39
16MW-17	9/1/04	99.79	7.29	92.50	-	0.00	92.50
16MW-17	10/19/04	99.79	7.65	92.14	7.61	0.04	92.17
16MW-17	11/23/04	99.79	7.86	91.93	7.34	0.52	92.37
16MW-17	12/16/04	99.79	6.96	92.83	6.72	0.24	93 03
16MW-17	1/12/05	99.79	7.05	92.74	6.72	0.33	93.02
16MW-17	2/17/05	99.79	6.72	93.07	6.40	0.32	93.34
16MW-17	3/2/05	99.79	6.78	93.01	6.55	0.23	93.21
16MW-17	4/5/05	99.79	5.97	93.82	5.76	0.21	94.00
16MW-17	5/13/05	99.79	6.49	93.30	6.21	0.28	93.54
16MW-17	6/8/05	99.79	6.71	93.08	6.56	0.15	93.21
16MW-17	7/27/05	99.79	7.38	92.41	-	0 00	92.41
16MW-17	8/17/05	99.79	7.98	91.81	-	0.00	91.81
16MW-17	9/21/05	99.79	8.45	91.34	-	0.00	91.34
16MW-17	10/5/05	99.79	8.60	91.19	-	0.00	91.19
16MW-17	11/9/05	99.79	6.71	93.08	6.70	0.01	93.09
16MW-17	12/14/05	99.79	6.71	93.08	6.63	0.08	93.15
16MW-17	1/20/06	99.79	5.59	94.20	-	0.00	94.20
16MW-17	2/28/06	99.79	6.22	93.57	-	0.00	93.57
16MW-18	8/20/97	100.69	7.96	92.73	-	0.00	92.73
16MW-18	10/6/97	100.69	8.21	92.48	-	0.00	92.48
16MW-18	12/12/97	100.69	7.98	92.71	-	0.00	92.71
16MW-18	1/7/98	100.69	6.85	93.84	-	0.00	93.84
16MW-18	1/15/98	100.69	7.24	93.45	-	0.00	93.45
16MW-18	2/10/98	100.69	5.86	94.83	-	0.00	94.83
16MW-18	2/24/98	100.69	6.80	93.89	-	0.00	93.89
16MW-18	3/3/98	100.69	5.30	95.39	-	0.00	95.39
16MW-18	3/12/98	100.69	4.89	95.80	-	0.00	95.80
16MW-18	3/13/98	100.69	5.06	95.63	-	0.00	95.63
16MW-18	3/26/98	100.69	4.78	95.91	-	0.00	95.91
16MW-18	4/3/98	100.69	5.51	95.18	-	0.00	95.18
16MW-18	4/9/98	100.69	5.85	94.84	-	0.00	94.84
16MW-18	4/17/98	100.69	5.20	95.49	-	0.00	95.49
16MW-18	4/24/98	100.69	5.50	95.19	-	0.00	95.19
16MW-18	5/5/98	100.69	4.40	96.29	-	0.00	96.29
16MW-18	5/15/98	100.69	3.85	96.84	-	0.00	96 84
16MW-18	7/30/98	100.69	6.93	93.76	-	0.00	93.76
16MW-18	8/7/98	100.69	7.14	93.55	-	0.00	93.55
16MW-18	8/13/98	100.69	8.40	92.29	-	0.00	92.29
16MW-18	8/21/98	100.69	7.61	93.08	-	0.00	93.08
16MW-18	9/3/98	100.69	7.78	92.91	-	0.00	92.91
16MW-18	9/10/98	100.69	7.90	92.79	-	0.00	92.79
16MW-18	10/2/98	100.69	7.66	93.03	-	0.00	93.03
16MW-18	10/20/98	100.69	8.12	92.57	-	0.00	92.57
16MW-18	11/6/98	100.69	8.34	92.35	-	0.00	92.35
16MW-18	12/3/98	100.69	8.20	92.49	-	0.00	92.49

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Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-18	12/30/98	100.69	8.48	92.21	8.49	0.01	92.21
16MW-18	1/26/99	100.69	4.36	96.33	-	0.00	96.33
16MW-18	2/10/99	100.69	6.40	94.29	-	0.00	94.29
16MW-18	3/9/99	100.69	6.30	94.39	-	0.00	94.39
16MW-18	3/19/99	100.69	4.80	95.89	-	0.00	95.89
16MW-18	5/7/99	100.69	7.14	93.55	-	0.00	93.55
16MW-18	6/1/99	100.69	7.40	93.29	-	0.00	93.29
16MW-18	6/9/99	100.69	7.79	92.90	-	0.00	92.90
16MW-18	6/9/99	100.69	7.77	92.92	-	0 00	92.92
16MW-18	6/10/99	100.69	7.82	92.87	-	0.00	92.87
16MW-18	6/14/99	100.69	8.90	91.79	-	0.00	91.79
16MW-18	6/22/99	100.69	8.12	92.57	-	0.00	92.57
16MW-18	7/29/99	100.69	9.10	91.59	-	0.00	91.59
16MW-18	8/3/99	100.69	9.25	91.44	-	0.00	91.44
16MW-18	8/13/99	100.69	9.38	91.31	-	0.00	91.31
16MW-18	9/3/99	100.69	6.50	94.19	-	0.00	94.19
16MW-18	9/15/99	100.69	8.99	91.70	-	0.00	91.70
16MW-18	10/26/99	100.69	7.15	93.54	7.16	0.01	93.55
16MW-18	11/12/99	100.69	8.39	92.30	8.41	0.02	92.32
16MW-18	11/18/99	100.69	8.60	92.09	8.61	0.01	92.10
16MW-18	12/1/99	100.69	8.41	92.28	8 43	0.02	92.29
16MW-18	12/31/99	100.69	7.50	93.19	7.78	0.28	93.42
16MW-18	1/26/00	100.69	8.39	92.30	8.41	0.02	92.32
16MW-18	2/18/00	100.69	6.17	94.52	6.20	0.03	94.55
16MW-18	4/17/00	100.69	6.32	94.37	6.37	0.05	94.41
16MW-18	5/4/00	100.69	6.81	93.88	-	0.00	93.88
16MW-18	8/9/00	100.69	5.26	95.43	5.27	0.01	95.44
16MW-18	8/24/00	100.69	7.31	93.38	7.34	0.03	93.40
16MW-18	10/26/00	100.69	8.35	92.34	8.36	0.01	92.35
16MW-18	11/28/00	100.69	7.05	93.64	7.06	0.01	93.65
16MW-18	1/16/01	100.69	7.72	92.97	7.73	0.01	92.97
16MW-18	2/27/01	100.69	6.40	94.29	-	0.00	94.29
16MW-18	3/27/01	100.69	5.20	95.49	-	0.00	95.49
16MW-18	4/19/01	100.69	5.43	95.26	-	0.00	95.26
16MW-18	5/11/01	100.69	7.06	93.63	-	0.00	93.63
16MW-18	6/6/01	100.69	7.68	93.01	7 68	0.00	93.01
16MW-18	8/14/01	100.69	8.21	92.48	8.24	0.03	92.50
16MW-18	9/14/01	100.69	8.91	91.78	8.92	0.01	91.79
16MW-18	10/11/01	100.69	8.48	92.21	-	0 00	92.21
16MW-18	12/13/01	100.69	8.51	92.18	8.55	0.04	92.22
16MW-18	1/8/02	100.69	7.95	92.74	8.01	0.06	92.79
16MW-18	1/23/02	100.69	8.50	92.19	8.56	0.06	92.24
16MW-18	2/28/02	100.69	8.83	91.86	-	0.00	91.86
16MW-18	3/28/02	100.69	6.03	94.66	-	0.00	94.66
16MW-18	4/23/02	100.69	8.23	92.46	-	0.00	92.46
16MW-18	5/15/02	100.69	6.43	94.26	-	0.00	94.26
16MW-18	6/8/02	100.69	8.91	91.78	8 92	0.01	91.79
16MW-18	6/27/02	100.69	8.93	91.76	8.95	0.02	91.77
16MW-18	7/16/02	100.69	9.30	91.39	9.43	0.13	91.50
16MW-18	8/15/02	100.69	9.65	91.04	-	0.00	91.04
16MW-18	9/10/02	100.69	8.42	92.27	8.43	0.01	92.27
16MW-18	10/18/02	100.69	5.91	94.78	-	0.00	94.78
16MW-18	11/14/02	100.69	6.91	93.78	-	0.00	93.78
16MW-18	11/26/02	100.69	6.21	94.48	-	0.00	94.48
16MW-18	12/16/02	100.69	5.91	94.78	-	0.00	94.78
16MW-18	1/28/03	100.69	7.28	93.41	-	0.00	93.41
16MW-18	2/26/03	100.69	5.56	95.13	-	0.00	95.13
16MW-18	3/31/03	100.69	5.86	94.83	-	0.00	94.83

APPENDIX B
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GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-18	4/29/03	100.69	6.00	94.69	-	0.00	94.69
16MW-18	5/23/03	100.69	7.05	93.64	-	0.00	93.64
16MW-18	6/26/03	100.69	4.91	95.78	-	0.00	95.78
16MW-18	8/1/03	100.69	7.02	93.67	-	0.00	93.67
16MW-18	8/26/03	100.69	7.49	93.20	-	0.00	93.20
16MW-18	9/17/03	100.69	7.29	93.40	-	0.00	93.40
16MW-18	10/28/03	100.69	7.84	92.85	-	0.00	92.85
16MW-18	11/11/03	100.69	6.20	94.49	6.21	0.01	94.50
16MW-18	12/30/03	100.69	5.95	94.74	5.96	0.01	94.75
16MW-18	1/16/04	100.69	6.98	93.71	6.99	0.01	93.72
16MW-18	2/18/04	100.69	6.20	94.49	6.21	0.01	94.50
16MW-18	3/24/04	100.69	5.61	95.08	5.55	0.06	95.13
16MW-18	4/5/04	100.69	5.03	95.66	4.95	0.08	95.73
16MW-18	5/5/04	100.69	5.42	95 27	-	0.00	95.27
16MW-18	6/29/04	100.69	7.60	93.09	-	0.00	93.09
16MW-18	7/27/04	100.69	7.10	93.59	-	0.00	93.59
16MW-18	8/18/04	100.69	7.40	93.29	-	0.00	93.29
16MW-18	9/1/04	100.69	8.49	92.20	-	0.00	92.20
16MW-18	10/19/04	100.69	8.18	92.51	-	0.00	92.51
16MW-18	11/23/04	100.69	7.79	92.90	7.71	0.08	92.97
16MW-18	12/16/04	100.69	5.96	94.73	5.83	0.13	94.84
16MW-18	1/12/05	100.69	5.91	94.78	5.76	0.15	94.91
16MW-18	2/17/05	100.69	5.45	95.24	5.39	0.06	95.29
16MW-18	3/2/05	100.69	6.35	94.34	6.26	0.09	94.42
16MW-18	4/5/05	100.69	5.17	95.52	5.08	0.09	95.60
16MW-18	5/13/05	100.69	5.62	95.07	5.51	0.11	95.16
16MW-18	6/8/05	100.69	6.96	93.73	-	0.00	93.73
16MW-18	7/27/05	100.69	7.46	93.23	7.45	0.01	93.24
16MW-18	8/17/05	100.69	8.45	92.24	-	0.00	92.24
16MW-18	9/21/05	100.69	9.05	91.64	-	0.00	91.64
16MW-18	10/5/05	100.69	9.30	91.39	-	0.00	91.39
16MW-18	11/9/05	100.69	6.80	93.89	-	0.00	93.89
16MW-18	12/14/05	100.69	6.01	94.68	-	0.00	94.68
16MW-18	1/20/06	100.69	4.48	96.21	-	0.00	96.21
16MW-18	2/28/06	100.69	6.03	94.66	-	0.00	94.66
16MW-19	8/20/97	100.54	7.70	92.84	-	0.00	92.84
16MW-19	10/6/97	100.54	10.29	90.25	10.91	0.62	90.78
16MW-19	12/12/97	100.54	12.02	88.52	13.15	1.13	89.48
16MW-19	1/7/98	100.54	10.00	90.54	10.83	0.83	91.24
16MW-19	1/15/98	100.54	7.03	93.51	7.21	0.18	93.67
16MW-19	2/10/98	100.54	6.07	94.47	6.16	0.09	94.55
16MW-19	2/24/98	100.54	5.10	95.44	-	0.00	95.44
16MW-19	3/3/98	100 54	5.35	95.19	5.37	0.02	95.20
16MW-19	3/12/98	100.54	4.91	95.63	4.93	0.02	95.64
16MW-19	3/13/98	100.54	5.05	95.49	-	0.00	95.49
16MW-19	3/26/98	100.54	4.98	95.56	-	0.00	95.56
16MW-19	4/3/98	100.54	5.31	95.23	-	0.00	95.23
16MW-19	4/9/98	100.54	5.54	95.00	5.55	0.01	95.01
16MW-19	4/17/98	100.54	5.15	95.39	5.19	0.04	95.42
16MW-19	4/24/98	100.54	4.95	95.59	4.97	0.02	95.61
16MW-19	5/5/98	100.54	4.73	95.81	4.77	0.04	95.85
16MW-19	5/15/98	100.54	3.60	96.94	3.61	0.01	96.95
16MW-19	7/30/98	100.54	7.12	93.42	7.23	0.11	93.51
16MW-19	8/7/98	100.54	6.97	93.57	6.97	0.00	93.57
16MW-19	8/13/98	100.54	7.22	93.32	7.23	0.01	93.32
16MW-19	8/21/98	100.54	7.41	93.13	-	0.00	93.13
16MW-19	9/3/98	100.54	7.55	92.99	-	0.00	92.99

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-19	9/10/98	100.54	8.53	92.01	8.55	0.02	92.03
16MW-19	10/2/98	100.54	7.69	92.85	7.70	0.01	92.86
16MW-19	10/20/98	100.54	7.90	92.64	7.91	0.01	92.65
16MW-19	11/6/98	100.54	8.17	92.37	8.18	0.01	92 38
16MW-19	12/3/98	100.54	7.95	92.59	-	0.00	92.59
16MW-19	12/30/98	100.54	8.09	92.45	8.11	0.02	92.46
16MW-19	1/26/99	100.54	5.81	94.73	5.85	0.04	94.76
16MW-19	3/9/99	100.54	6.52	94.02	6.55	0.03	94.05
16MW-19	3/19/99	100.54	6.20	94.34	6.25	0.05	94.38
16MW-19	4/20/99	100.54	6.60	93.94	6.61	0.01	93.95
16MW-19	5/7/99	100.54	7.11	93.43	7.14	0.03	93.45
16MW-19	6/1/99	100.54	7.25	93.29	7.28	0.03	93.31
16MW-19	6/9/99	100.54	6.94	93.60	-	0 00	93.60
16MW-19	6/9/99	100.54	7.71	92.83	7.74	0.03	92.86
16MW-19	6/10/99	100.54	7.68	92.86	-	0.00	92.86
16MW-19	6/14/99	100.54	7.80	92.74	7.81	0.01	92.75
16MW-19	6/22/99	100.54	8.01	92.53	8.04	0.03	92.55
16MW-19	7/29/99	100.54	9.01	91.53	9.06	0.05	91.57
16MW-19	8/3/99	100.54	9.14	91.40	9.20	0.06	91.45
16MW-19	8/13/99	100.54	9.05	91.49	-	0.00	91.49
16MW-19	9/3/99	100.54	9.07	91.47	9.21	0.14	91.59
16MW-19	9/15/99	100.54	8.99	91.55	9.01	0.02	91.57
16MW-19	10/26/99	100.54	9.35	91.19	9.77	0.42	91.54
16MW-19	11/2/99	100.54	9.99	90.55	10.46	0.47	90.95
16MW-19	11/12/99	100.54	8.45	92.09	8.46	0.01	92.10
16MW-19	11/18/99	100.54	8.59	91.95	-	0.00	91.95
16MW-19	12/1/99	100.54	8.35	92.19	8.36	0.01	92.20
16MW-19	12/31/99	100.54	8.07	92.47	8.11	0.04	92.50
16MW-19	1/26/00	100.54	8.36	92.18	8.37	0.01	92.19
16MW-19	2/18/00	100.54	7.51	93.03	7.52	0.01	93.04
16MW-19	4/17/00	100.54	7.52	93.02	-	0.00	93.02
16MW-19	5/4/00	100.54	7.22	93.32	7.28	0.06	93.37
16MW-19	8/9/00	100.54	7.30	93.24	7.52	0.22	93.42
16MW-19	8/24/00	100.54	8.00	92.54	8.06	0.06	92.59
16MW-19	10/26/00	100.54	8.77	91.77	8.86	0.09	91.84
16MW-19	11/28/00	100.54	8.32	92.22	8.38	0.06	92.27
16MW-19	1/16/01	100.54	8.60	91.94	8.78	0.18	92.09
16MW-19	2/27/01	100.54	7.37	93.17	-	0.00	93.17
16MW-19	3/27/01	100.54	6.20	94.34	6.28	0.08	94.41
16MW-19	4/19/01	100.54	6.40	94.14	6.51	0.11	94.23
16MW-19	5/11/01	100.54	7.48	93.06	7.60	0.12	93.16
16MW-19	6/6/01	100.54	7.57	92.97	7.67	0.10	93.05
16MW-19	8/14/01	100.54	7.30	93.24	7.35	0.05	93.28
16MW-19	9/14/01	100.54	9.12	91.42	9.24	0.12	91.52
16MW-19	10/11/01	100.54	8.97	91.57	9.01	0.04	91.60
16MW-19	11/13/01	100.54	9.10	91.44	9.13	0.03	91.47
16MW-19	12/13/01	100.54	8.97	91.57	9.01	0.04	91.60
16MW-19	1/8/02	100.54	8.93	91.61	8.99	0.06	91.66
16MW-19	1/23/02	100.54	8.82	91.72	8.84	0.02	91.73
16MW-19	2/28/02	100.54	8.98	91.56	-	0.00	91.56
16MW-19	3/28/02	100.54	8.00	92.54	8.09	0.09	92.61
16MW-19	4/23/02	100.54	8.58	91.96	8.61	0.03	91.98
16MW-19	5/15/02	100.54	8.20	92 34	8.26	0.06	92.39
16MW-19	6/8/02	100.54	8.55	91.99	8.58	0.03	92.01
16MW-19	6/27/02	100.54	8.57	91.97	8.59	0.02	91.99
16MW-19	7/16/02	100.54	9.26	91.28	9.28	0.02	91.29
16MW-19	8/15/02	100.54	9.52	91.02	-	0.00	91.02
16MW-19	9/10/02	100.54	8.70	91.84	8.71	0.01	91.85

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-19	10/18/02	100.54	6 91	93.63	6.91	0.00	93.63
16MW-19	11/14/02	100.54	7.57	92.97	7.58	0.01	92.97
16MW-19	11/26/02	100.54	7.18	93.36	-	0.00	93.36
16MW-19	12/16/02	100.54	6.90	93.64	6.93	0.03	93.66
16MW-19	1/28/03	100.54	7.31	93.23	7.31	0.00	93.23
16MW-19	2/26/03	100.54	6.43	94.11	6.49	0.06	94.16
16MW-19	3/31/03	100.54	6.25	94.29	6.26	0.01	94.30
16MW-19	4/29/03	100.54	6.32	94.22	6.34	0.02	94.23
16MW-19	5/23/03	100.54	7.08	93.46	7.11	0.03	93.48
16MW-19	6/26/03	100.54	5.56	94.98	-	0.00	94.98
16MW-19	8/1/03	100.54	7.28	93.26	7.33	0.05	93.30
16MW-19	8/26/03	100.54	7.37	93.17	7.38	0.01	93.17
16MW-19	9/17/03	100.54	7.65	92.89	-	0.00	92.89
16MW-19	10/28/03	100.54	8.12	92.42	8.20	0.08	92.48
16MW-19	12/30/03	100.54	6.46	94.08	-	0.00	94.08
16MW-19	1/16/04	100.54	7.10	93.44	7.12	0.02	93.45
16MW-19	2/18/04	100.54	6.63	93.91	6.66	0.03	93.93
16MW-19	3/24/04	100.54	6.40	94.14	6.22	0.18	94.29
16MW-19	4/5/04	100 54	5.98	94.56	5.96	0.02	94.58
16MW-19	5/5/04	100.54	6.15	94.39	-	0.00	94.39
16MW-19	6/29/04	100.54	7.57	92 97	7.54	0.03	93.00
16MW-19	7/27/04	100.54	7.50	93.04	-	0.00	93.04
16MW-19	8/18/04	100.54	7.73	92.81	7.59	0.14	92.93
16MW-19	9/1/04	100.54	7.41	93.13	7.40	0.01	93.14
16MW-19	10/19/04	100.54	8.00	92.54	-	0.00	92.54
16MW-19	11/23/04	100.54	7 63	92.91	7.48	0.15	93.04
16MW-19	12/16/04	100.54	7.39	93.15	6.46	0.93	93.94
16MW-19	1/12/05	100.54	7.25	93.29	6.61	0.64	93.84
16MW-19	3/2/05	100.54	7.41	93.13	6.34	1.07	94.04
16MW-19	4/5/05	100.54	6.49	94.05	5.39	1.10	94.99
16MW-19	5/13/05	100.54	6.32	94.22	5.46	0.86	94.95
16MW-19	6/8/05	100.54	6.61	93.93	-	0.00	93.93
16MW-19	7/27/05	100.54	7.40	93.14	-	0.00	93.14
16MW-19	8/17/05	100.54	8.30	92.24	-	0.00	92.24
16MW-19	9/21/05	100.54	8.80	91.74	-	0.00	91.74
16MW-19	10/5/05	100.54	9.01	91.53	9.00	0.01	91.54
16MW-19	11/9/05	100.54	7.00	93.54	-	0.00	93.54
16MW-19	12/14/05	100.54	6.92	93.62	6.82	0.10	93 71
16MW-19	1/20/06	100.54	4.57	95.97	-	0.00	95.97
16MW-19	2/28/06	100.54	6.43	94.11	6.34	0.09	94.19
16MW-20	8/20/97	100.82	9.88	90.94	10.33	0.45	91.32
16MW-20	10/6/97	100.82	10.22	90.60	10.68	0.46	90.99
16MW-20	12/12/97	100.82	10.55	90.27	11.16	0.61	90.79
16MW-20	1/7/98	100.82	10.36	90.46	11.06	0.70	91.05
16MW-20	1/22/98	100.82	10.50	90.32	11.27	0.77	90.97
16MW-20	2/10/98	100.82	7.71	93.11	7.86	0.15	93.24
16MW-20	2/24/98	100.82	6.80	94.02	6.88	0.08	94.09
16MW-20	3/3/98	100.82	6.85	93.97	6.92	0.07	94.03
16MW-20	3/12/98	100.82	6.37	94.45	6.39	0.02	94.47
16MW-20	3/13/98	100.82	6.43	94.39	6.45	0.02	94.41
16MW-20	3/26/98	100.82	6.21	94.61	6.21	0.00	94.61
16MW-20	4/3/98	100.82	6.60	94.22	6.64	0.04	94.25
16MW-20	4/9/98	100.82	6.68	94.14	6.70	0.02	94.16
16MW-20	4/17/98	100.82	6.49	94.33	6.50	0.01	94.34
16MW-20	4/24/98	100.82	6.48	94.34	6.51	0.03	94.36
16MW-20	5/5/98	100.82	5.70	95.12	5.76	0.06	95.17
16MW-20	5/15/98	100.82	5.54	95.29	5.59	0.06	95.33

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-20	7/30/98	100.82	8 98	91.84	9.35	0.37	92.15
16MW-20	8/7/98	100.82	8 11	92.71	8.16	0.05	92.75
16MW-20	8/13/98	100.82	8.29	92.53	8.34	0.05	92.57
16MW-20	8/21/98	100.82	8.40	92.42	8.45	0.05	92.46
16MW-20	9/3/98	100.82	8.65	92.17	8.71	0.06	92.22
16MW-20	9/10/98	100.82	8.48	92.34	8.50	0.02	92.36
16MW-20	10/2/98	100.82	8.73	92.09	8.78	0.05	92.13
16MW-20	10/20/98	100.82	8.66	92.16	-	0.00	92.16
16MW-20	11/6/98	100.82	8.79	92.03	-	0.00	92.03
16MW-20	12/3/98	100.82	9.03	91.79	9.09	0.06	91.84
16MW-20	1/26/99	100.82	7.70	93.12	7 73	0.03	93.14
16MW-20	2/10/99	100.82	8.05	92.77	8.10	0.05	92.81
16MW-20	3/9/99	100.82	7.95	92.87	7.98	0.03	92.89
16MW-20	3/19/99	100.82	7.66	93.16	7.67	0.01	93.17
16MW-20	4/20/99	100.82	7.70	93.12	7.71	0.01	93.12
16MW-20	5/7/99	100.82	7.91	92.91	7.93	0.02	92.92
16MW-20	6/1/99	100.82	8.36	92 46	8.40	0.04	92.49
16MW-20	6/9/99	100.82	8.80	92.02	8.88	0.08	92.09
16MW-20	6/10/99	100.82	7.72	93 10	7.77	0.05	93.14
16MW-20	6/14/99	100.82	8.85	91 97	8.94	0.09	92.04
16MW-20	6/22/99	100.82	8.59	92.23	8.68	0.09	92.30
16MW-20	7/29/99	100.82	9.40	91.42	-	0.00	91.42
16MW-20	8/3/99	100.82	10.25	90.57	10.44	0 19	90.73
16MW-20	9/3/99	100.82	9.45	91.37	9.47	0.02	91.38
16MW-20	9/15/99	100.82	9.72	91.10	9.79	0.07	91.16
16MW-20	11/2/99	100.82	10.08	90.74	10.40	0.32	91.01
16MW-20	11/12/99	100.82	9.17	91.65	9.20	0.03	91.68
16MW-20	11/18/99	100.82	9.40	91.42	-	0.00	91.42
16MW-20	12/1/99	100.82	9.31	91.51	9.39	0.08	91 58
16MW-20	12/31/99	100.82	8.84	91.98	8.87	0.03	92.01
16MW-20	1/26/00	100.82	9.28	91.54	9.37	0.09	91.62
16MW-20	2/18/00	100.82	8.82	92.00	8.88	0.06	92.05
16MW-20	4/17/00	100.82	9.21	91.61	9.48	0.27	91.84
16MW-20	5/4/00	100.82	8.05	92.77	8.27	0.22	92.96
16MW-20	8/9/00	100.82	8 32	92.50	8 34	0.02	92.52
16MW-20	8/24/00	100.82	7.70	93.12	-	0.00	93.12
16MW-20	10/26/00	100.82	9.21	91.61	9.25	0.04	91.64
16MW-20	1/16/01	100.82	9.15	91.67	9.31	0.16	91.81
16MW-20	2/27/01	100.82	8.40	92.42	8.50	0.10	92.50
16MW-20	3/27/01	100.82	7.80	93.02	7.93	0.13	93.13
16MW-20	4/19/01	100.82	7.77	93.05	7.94	0.17	93.20
16MW-20	5/11/01	100.82	8.88	91.94	9.22	0.34	92.23
16MW-20	6/6/01	100.82	9.85	90.97	10.37	0.52	91.41
16MW-20	8/14/01	100.82	10.59	90.23	11.12	0.53	90.68
16MW-20	9/14/01	100.82	10.80	90.02	11.24	0.44	90.40
16MW-20	10/11/01	100.82	9.62	91.20	9.69	0.07	91.26
16MW-20	11/13/01	100.82	9.73	91.09	9.79	0.06	91.14
16MW-20	12/13/01	100.82	9.67	91.15	9.75	0.08	91.21
16MW-20	1/8/02	100.82	9.81	91.01	9.97	0.16	91.14
16MW-20	1/23/02	100.82	9.63	91.19	9.73	0.10	91.28
16MW-20	2/28/02	100.82	9.69	91.13	9.74	0.05	91.17
16MW-20	3/28/02	100.82	8.75	92.07	8.76	0.01	92.07
16MW-20	4/23/02	100.82	9.30	91.52	9.37	0.07	91.58
16MW-20	5/15/02	100.82	9.14	91.68	9.26	0.12	91.78
16MW-20	6/8/02	100.82	9.19	91.63	9.22	0.03	91.65
16MW-20	6/27/02	100.82	9.45	91.37	9.56	0.11	91.47
16MW-20	7/16/02	100.82	9.75	91.07	-	0.00	91.07
16MW-20	8/15/02	100.82	10.13	90.69	10.14	0.01	90.70

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-20	9/10/02	100.82	9.60	91.22	9.67	0.07	91.28
16MW-20	10/18/02	100.82	5.70	95.12	-	0.00	95.12
16MW-20	11/14/02	100.82	8.60	92.22	-	0.00	92.22
16MW-20	11/26/02	100.82	8.40	92.42	8.43	0.03	92.44
16MW-20	12/16/02	100.82	8.30	92.52	8.36	0.06	92.57
16MW-20	1/28/03	100.82	8.23	92.59	8.26	0.03	92.62
16MW-20	2/26/03	100.82	7.76	93.06	7.83	0.07	93.12
16MW-20	3/31/03	100.82	7.51	93.31	7.54	0.03	93.34
16MW-20	4/29/03	100.82	7 98	92.84	8.17	0.19	93.00
16MW-20	5/23/03	100.82	8.10	92.72	8.20	0.10	92.81
16MW-20	6/26/03	100.82	6.91	93.91	6.94	0.03	93.93
16MW-20	8/1/03	100.82	8.15	92.67	8.21	0.06	92.72
16MW-20	8/26/03	100.82	8.70	92.12	8.83	0.13	92.23
16MW-20	9/17/03	100.82	8.68	92.14	-	0.00	92 14
16MW-20	10/28/03	100.82	8.45	92.37	8.46	0.01	92.38
16MW-20	12/30/03	100.82	7.49	93.33	7.51	0.02	93.34
16MW-20	2/18/04	100.82	7.73	93.09	7.74	0.01	93.10
16MW-20	3/24/04	100.82	7.51	93.31	7.38	0.13	93.42
16MW-20	4/5/04	100.82	7.15	93.67	7.09	0.06	93.72
16MW-20	5/5/04	100.82	6.87	93.95	-	0.00	93 95
16MW-20	6/29/04	100.82	8.16	92.66	-	0.00	92.66
16MW-20	7/27/04	100.82	8.20	92.62	-	0.00	92.62
16MW-20	8/18/04	100.82	8.55	92.27	8.45	0.10	92.36
16MW-20	9/1/04	100.82	8.67	92.15	8.65	0.02	92.17
16MW-20	10/19/04	100.82	8.49	92.33	-	0.00	92.33
16MW-20	11/23/04	100.82	8.52	92.30	8.41	0.11	92.39
16MW-20	12/16/04	100.82	8 01	92.81	7.85	0.16	92.95
16MW-20	1/12/05	100.82	7.98	92.84	7.82	0.16	92.98
16MW-20	2/17/05	100.82	7.82	93.00	7.53	0.29	93.25
16MW-20	3/2/05	100.82	7.90	92.92	7.61	0.29	93.17
16MW-20	4/5/05	100.82	7.32	93.50	6.87	0.45	93.88
16MW-20	5/13/05	100.82	7.56	93.26	7.11	0.45	93.64
16MW-20	6/8/05	100.82	8.19	92.63	7.62	0.57	93.12
16MW-20	7/27/05	100.82	8.75	92.07	8.30	0.45	92.45
16MW-20	8/17/05	100.82	9.00	91.82	8.90	0.10	91.91
16MW-20	9/21/05	100.82	9.45	91.37	-	0.00	91.37
16MW-20	10/5/05	100.82	9.60	91.22	-	0.00	91.22
16MW-20	11/9/05	100.82	7.80	93.02	7.70	0.10	93.11
16MW-20	12/14/05	100.82	8.28	92.54	7.68	0.60	93.05
16MW-20	1/20/06	100.82	6.82	94.00	-	0.00	94.00
16MW-20	2/28/06	100.82	7.41	93.41	7.13	0.00	93.41
16MW-21	8/20/97	99.78	7.57	92.21	-	0.00	92.21
16MW-21	10/6/97	99.78	7.80	91.98	-	0.00	91.98
16MW-21	12/12/97	99.78	7.70	92.08	-	0.00	92.08
16MW-21	1/7/98	99.78	7.12	92.66	-	0.00	92.66
16MW-21	2/10/98	99.78	6.00	93.78	-	0.00	93.78
16MW-21	2/24/98	99.78	5.67	94.11	-	0.00	94.11
16MW-21	3/3/98	99.78	5.40	94.38	-	0.00	94.38
16MW-21	3/12/98	99.78	5.03	94.75	-	0.00	94.75
16MW-21	3/13/98	99.78	5.17	94.61	-	0.00	94.61
16MW-21	3/26/98	99.78	4.90	94.88	-	0.00	94.88
16MW-21	4/3/98	99.78	5.25	94.53	-	0.00	94.53
16MW-21	4/9/98	99.78	5.55	94.23	-	0.00	94.23
16MW-21	4/17/98	99.78	5.10	94.68	-	0.00	94.68
16MW-21	4/24/98	99.78	5.93	93.85	-	0.00	93.85
16MW-21	5/5/98	99.78	4.88	94.90	-	0.00	94.90
16MW-21	5/15/98	99.78	4.10	95.68	-	0.00	95.68

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-21	7/30/98	99.78	6.95	92.83	-	0.00	92.83
16MW-21	8/7/98	99.78	7.21	92.57	-	0.00	92.57
16MW-21	8/13/98	99.78	7.41	92.37	-	0.00	92.37
16MW-21	8/21/98	99.78	7.51	92.27	-	0.00	92.27
16MW-21	9/3/98	99.78	7.57	92.21	-	0.00	92.21
16MW-21	9/10/98	99.78	7.70	92.08	-	0.00	92.08
16MW-21	10/2/98	99.78	7.77	92.01	-	0.00	92.01
16MW-21	10/20/98	99.78	7.86	91.92	-	0.00	91.92
16MW-21	11/6/98	99.78	0.00	99.78	-	0.00	99.78
16MW-21	12/3/98	99.78	8.00	91.78	-	0.00	91.78
16MW-21	1/26/99	99.78	5.05	94.73	-	0.00	94.73
16MW-21	3/9/99	99.78	6.57	93.21	-	0.00	93.21
16MW-21	3/19/99	99.78	5.56	94.22	-	0.00	94.22
16MW-21	4/20/99	99.78	6.40	93.38	-	0.00	93.38
16MW-21	5/7/99	99.78	7.05	92.73	-	0.00	92.73
16MW-21	6/1/99	99.78	7.45	92.33	-	0.00	92.33
16MW-21	6/9/99	99.78	7.15	92.63	-	0.00	92.63
16MW-21	6/14/99	99.78	7.77	92.01	-	0.00	92.01
16MW-21	6/22/99	99.78	7.00	92.78	-	0.00	92.78
16MW-21	7/29/99	99.78	8.75	91.03	-	0.00	91.03
16MW-21	8/3/99	99.78	8.89	90.89	-	0.00	90.89
16MW-21	9/15/99	99.78	8.70	91.08	-	0.00	91.08
16MW-21	11/18/99	99.78	8.33	91.45	-	0.00	91.45
16MW-21	2/18/00	99.78	7.51	92.27	-	0.00	92.27
16MW-21	4/17/00	99.78	7.35	92.43	-	0.00	92.43
16MW-21	5/4/00	99.78	7.20	92.58	-	0.00	92.58
16MW-21	8/9/00	99.78	6.20	93.58	-	0.00	93.58
16MW-21	8/24/00	99.78	7.88	91.90	-	0.00	91.90
16MW-21	10/26/00	99.78	8.30	91.48	-	0.00	91.48
16MW-21	1/16/01	99.78	7.80	91.98	-	0.00	91.98
16MW-21	2/27/01	99.78	7.27	92.51	-	0.00	92.51
16MW-21	3/27/01	99.78	5.65	94.13	-	0.00	94.13
16MW-21	4/19/01	99.78	5.70	94.08	-	0.00	94.08
16MW-21	5/11/01	99.78	6.95	92.83	-	0.00	92.83
16MW-21	6/6/01	99.78	7.19	92.59	-	0.00	92.59
16MW-21	8/14/01	99.78	8.00	91.78	-	0.00	91.78
16MW-21	9/14/01	99.78	8.51	91.27	-	0.00	91.27
16MW-21	10/11/01	99.78	8.59	91.19	-	0.00	91.19
16MW-21	11/13/01	99.78	8.74	91.04	-	0.00	91.04
16MW-21	12/13/01	99.78	8.58	91.20	-	0.00	91.20
16MW-21	1/8/02	99.78	8.41	91.37	-	0.00	91.37
16MW-21	1/22/02	99.78	7.06	92.72	-	0.00	92.72
16MW-21	1/23/02	99.78	8.46	91.32	-	0.00	91.32
16MW-21	2/28/02	99.78	8.69	91.09	-	0.00	91.09
16MW-21	3/28/02	99.78	5.86	93.92	-	0.00	93.92
16MW-21	4/23/02	99.78	8.22	91.56	-	0.00	91.56
16MW-21	5/15/02	99.78	6.17	93.61	-	0.00	93.61
16MW-21	6/8/02	99.78	8.26	91.52	-	0.00	91.52
16MW-21	6/27/02	99.78	8.05	91.73	-	0.00	91.73
16MW-21	7/16/02	99.78	9.00	90.78	-	0.00	90.78
16MW-21	8/15/02	99.78	9.36	90.42	-	0.00	90.42
16MW-21	9/10/02	99.78	7.78	92.00	-	0.00	92.00
16MW-21	10/18/02	99.78	5.75	94.03	5.83	0.08	94.09
16MW-21	11/14/02	99.78	6.17	93.61	6.18	0.01	93.61
16MW-21	11/26/02	99.78	6.31	93.47	-	0.00	93.47
16MW-21	12/16/02	99.78	5.80	93.98	-	0.00	93.98
16MW-21	1/28/03	99.78	7.21	92.57	-	0.00	92.57
16MW-21	2/26/03	99.78	5.79	93.99	-	0.00	93.99

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Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-21	3/31/03	99.78	4.60	95.18	-	0.00	95.18
16MW-21	4/29/03	99.78	4.70	95.08	-	0 00	95.08
16MW-21	5/23/03	99.78	6.88	92.90	-	0.00	92.90
16MW-21	6/26/03	99.78	0.00	99.78	-	0.00	99.78
16MW-21	8/1/03	99.78	7.00	92.78	-	0.00	92.78
16MW-21	8/26/03	99.78	7.30	92.48	-	0.00	92.48
16MW-21	9/17/03	99.78	7.28	92.50	-	0.00	92.50
16MW-21	10/28/03	99.78	7.61	92.17	-	0.00	92.17
16MW-21	12/30/03	99.78	6.15	93.63	-	0.00	93 63
16MW-21	2/18/04	99.78	6.55	93.23	-	0.00	93.23
16MW-21	3/24/04	99.78	6 10	93.68	-	0.00	93.68
16MW-21	4/5/04	99.78	4.91	94.87	-	0.00	94.87
16MW-21	5/5/04	99.78	5.53	94.25	-	0.00	94.25
16MW-21	6/29/04	99.78	7.58	92.20	-	0.00	92.20
16MW-21	7/27/04	99.78	7.50	92.28	-	0.00	92.28
16MW-21	8/18/04	99.78	8.60	91.18	-	0.00	91.18
16MW-21	9/1/04	99.78	8.80	90.98	8.79	0.01	90.98
16MW-21	10/19/04	99.78	6.95	92.83	-	0.00	92.83
16MW-21	11/23/04	99.78	7.50	92.28	-	0.00	92.28
16MW-21	12/16/04	99.78	7.08	92.70	-	0.00	92.70
16MW-21	1/12/05	99.78	7.22	92.56	-	0.00	92.56
16MW-21	2/17/05	99.78	6.75	93.03	-	0.00	93.03
16MW-21	3/2/05	99.78	6.89	92.89	-	0.00	92.89
16MW-21	4/5/05	99.78	6.14	93.64	-	0.00	93.64
16MW-21	5/13/05	99.78	6.32	93.46	-	0.00	93.46
16MW-21	6/8/05	99.78	6.92	92.86	-	0.00	92.86
16MW-21	7/27/05	99.78	7.68	92.10	-	0.00	92.10
16MW-21	8/17/05	99.78	8.20	91.58	-	0.00	91.58
16MW-21	9/21/05	99.78	8.70	91.08	-	0.00	91.08
16MW-21	10/5/05	99.78	8.85	90.93	-	0.00	90.93
16MW-21	11/9/05	99.78	6.95	92.83	-	0.00	92.83
16MW-21	12/14/05	99.78	6.82	92.96	-	0.00	92.96
16MW-21	1/20/06	99.78	5.92	93.86	-	0.00	93.86
16MW-21	2/28/06	99.78	7.25	92.53	-	0.00	92.53
16MW-22	12/12/97	102.22	7.70	94.52	-	0.00	94.52
16MW-22	1/7/98	102.22	5.34	96.88	-	0.00	96.88
16MW-22	2/10/98	102.22	2.98	99.24	-	0.00	99.24
16MW-22	2/24/98	102.22	1.60	100.62	-	0.00	100.62
16MW-22	3/3/98	102.22	2.87	99.35	-	0.00	99.35
16MW-22	3/26/98	102.22	1.85	100.37	-	0.00	100.37
16MW-22	4/3/98	102.22	2.05	100.17	-	0.00	100.17
16MW-22	4/17/98	102.22	2.10	100.12	-	0.00	100.12
16MW-22	4/24/98	102.22	1.52	100.70	-	0.00	100.70
16MW-22	5/15/98	102.22	2.86	99.36	-	0.00	99.36
16MW-22	7/30/98	102.22	6.03	96.19	-	0.00	96.19
16MW-22	8/13/98	102.22	6.10	96.12	-	0.00	96.12
16MW-22	10/2/98	102.22	7.78	94.44	-	0.00	94.44
16MW-22	11/6/98	102.22	8.79	93.43	-	0.00	93.43
16MW-22	1/26/99	102.22	1.81	100.41	-	0.00	100.41
16MW-22	3/9/99	102.22	3.45	98.77	-	0.00	98.77
16MW-22	3/19/99	102.22	8.38	93.84	-	0.00	93.84
16MW-22	4/20/99	102.22	4.15	98.07	-	0.00	98.07
16MW-22	5/7/99	102.22	7.05	95.17	-	0.00	95.17
16MW-22	6/1/99	102.22	5.81	96.41	-	0.00	96.41
16MW-22	6/9/99	102.22	6.11	96.11	-	0.00	96.11
16MW-22	6/14/99	102.22	7.57	94.65	7.62	0.05	94.69
16MW-22	6/22/99	102.22	7.11	95.11	-	0.00	95.11

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Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-22	5/4/00	102.22	8.86	93.36	-	0.00	93.36
16MW-23	12/12/97	102.58	9.19	93.39	-	0.00	93.39
16MW-23	1/7/98	102.58	8.67	93.91	-	0.00	93.91
16MW-23	1/7/98	102.58	8.67	93.91	-	0.00	93.91
16MW-23	2/10/98	102.58	7.80	94.78	-	0.00	94.78
16MW-23	2/24/98	102.58	7.20	95.38	-	0.00	95.38
16MW-23	3/3/98	102.58	7.10	95.48	-	0.00	95.48
16MW-23	3/26/98	102.58	6.60	95.98	-	0.00	95.98
16MW-23	4/3/98	102.58	6.90	95.68	-	0.00	95 68
16MW-23	4/17/98	102.58	6.95	95.63	-	0.00	95.63
16MW-23	4/24/98	102.58	6.84	95.74	-	0.00	95.74
16MW-23	5/15/98	102 58	5.89	96.69	-	0.00	96.69
16MW-23	7/30/98	102.58	8.03	94.55	-	0.00	94.55
16MW-23	8/13/98	102.58	8.46	94.12	-	0.00	94.12
16MW-23	10/2/98	102.58	9.03	93.55	-	0.00	93.55
16MW-23	1/26/99	102.58	8.21	94.37	-	0.00	94.37
16MW-23	3/9/99	102.58	8.53	94.05	-	0.00	94.05
16MW-23	3/19/99	102.58	8.31	94.27	-	0.00	94.27
16MW-23	4/20/99	102.58	8.32	94.26	-	0.00	94.26
16MW-23	6/1/99	102.58	8.80	93.78	-	0.00	93.78
16MW-23	6/9/99	102.58	9.01	93.57	-	0.00	93.57
16MW-23	6/22/99	102.58	9.75	92.83	-	0.00	92.83
16MW-23	8/3/99	102.58	10.00	92.58	-	0.00	92.58
16MW-23	9/15/99	102.58	10.11	92.47	-	0.00	92.47
16MW-23	4/17/00	102.58	0.00	102.58	-	0.00	102.58
16MW-23	5/4/00	102.58	0.00	102.58	-	0.00	102.58
16MW-24	3/27/01	102.06	8.15	93.91	-	0.00	93.91
16MW-24	4/19/01	102.06	7.83	94.23	-	0.00	94.23
16MW-24	5/11/01	102.06	8.49	93.57	-	0.00	93.57
16MW-24	6/6/01	102.06	8.78	93.28	-	0.00	93.28
16MW-24	8/14/01	102.06	9.48	92.58	-	0.00	92.58
16MW-24	9/14/01	102.06	9.93	92.13	-	0.00	92.13
16MW-24	10/11/01	102.06	10.12	91.94	-	0.00	91.94
16MW-24	11/13/01	102.06	10.31	91.75	-	0.00	91.75
16MW-24	12/13/01	102.06	10.23	91.83	-	0.00	91.83
16MW-24	1/8/02	102.06	10.13	91.93	-	0.00	91.93
16MW-24	1/23/02	102.06	10.19	91.87	-	0.00	91.87
16MW-24	2/28/02	102.06	10.34	91.72	-	0.00	91.72
16MW-24	3/28/02	102.06	9.62	92.44	-	0.00	92.44
16MW-24	4/23/02	102.06	9.88	92.18	-	0.00	92.18
16MW-24	5/15/02	102.06	9.63	92.43	-	0.00	92.43
16MW-24	6/8/02	102.06	9.88	92.18	-	0.00	92.18
16MW-24	6/27/02	102.06	9.84	92.22	-	0.00	92.22
16MW-24	7/16/02	102.06	10.43	91.63	-	0.00	91.63
16MW-24	8/15/02	102.06	10.81	91.25	-	0.00	91.25
16MW-25	3/27/01	100.92	8.01	92.91	-	0.00	92.91
16MW-25	4/19/01	100.92	6.20	94.72	-	0.00	94.72
16MW-25	6/6/01	100.92	7.37	93.55	-	0.00	93.55
16MW-25	8/14/01	100.92	8.48	92.44	8.50	0.02	92.45
16MW-25	9/14/01	100.92	8.91	92.01	8.92	0.01	92.02
16MW-25	10/11/01	100.92	9.08	91.84	9.10	0.02	91.85
16MW-25	11/13/01	100.92	9.23	91.69	9.24	0.01	91.70
16MW-25	12/13/01	100.92	9.18	91.74	9.19	0.01	91.75
16MW-25	1/8/02	100.92	9.07	91.85	9.08	0.01	91.85
16MW-25	1/23/02	100.92	9.11	91.81	-	0.00	91.81

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Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-25	2/28/02	100.92	9.28	91.64	-	0.00	91.64
16MW-25	3/28/02	100.92	8.50	92.42	8.51	0.01	92.43
16MW-25	4/23/02	100.92	8.84	92.08	8.85	0.01	92.09
16MW-25	5/15/02	100.92	8.57	92.35	8.58	0.01	92.36
16MW-25	6/8/02	100.92	8.81	92.11	8.83	0.02	92 12
16MW-25	6/27/02	100 92	8.85	92.07	8.88	0.03	92.09
16MW-25	7/16/02	100.92	10.47	90.45	10.50	0 03	90.47
16MW-25	8/15/02	100.92	9.76	91.16	9.79	0.03	91.19
16MW-25	9/10/02	100.92	9.12	91.80	9.15	0.03	91.83
16MW-25	10/18/02	100.92	8.10	92.82	8.11	0.01	92.83
16MW-25	11/14/02	100.92	8.40	92.52	8.43	0.03	92.54
16MW-25	11/26/02	100.92	7.95	92.97	7.99	0.04	93.00
16MW-25	12/16/02	100.92	7.70	93.22	7.74	0.04	93.25
16MW-25	1/28/03	100.92	7.85	93.07	7.86	0.01	93.08
16MW-25	2/26/03	100.92	7.29	93.63	7.34	0.05	93.67
16MW-25	3/31/03	100.92	6.98	93.94	7.00	0.02	93.96
16MW-25	4/29/03	100.92	6.86	94.06	-	0.00	94.06
16MW-25	5/23/03	100.92	7.26	93.66	7.29	0.03	93.68
16MW-25	6/26/03	100.92	6.46	94.46	6.47	0.01	94.47
16MW-25	8/1/03	100.92	7.70	93.22	7.74	0 04	93.26
16MW-25	8/26/03	100.92	8.00	92.92	8.05	0.05	92.96
16MW-25	9/17/03	100.92	7 68	93.24	7.70	0.02	93 25
16MW-25	10/28/03	100.92	8.18	92 74	-	0.00	92.74
16MW-25	11/11/03	100.92	7.98	92.94	8.01	0.03	92.96
16MW-25	12/30/03	100.92	7.17	93.75	7.19	0.02	93.77
16MW-25	1/16/04	100.92	7.55	93.37	7.58	0.03	93.39
16MW-25	3/24/04	100 92	7.14	93.78	7.05	0.09	93.86
16MW-25	4/5/04	100.92	6.65	94.27	6.57	0.08	94.34
16MW-25	5/5/04	100.92	6.60	94.32	6.46	0.14	94.44
16MW-25	6/29/04	100.92	7.94	92.98	7.88	0.06	93.03
16MW-25	7/27/04	100.92	7.50	93.42	-	0.00	93.42
16MW-25	8/18/04	100.92	8.06	92.86	8.05	0.01	92.87
16MW-25	9/1/04	100.92	8.40	92.52	8.30	0.10	92.61
16MW-25	10/19/04	100.92	8.40	92.52	8.35	0.05	92.56
16MW-25	11/23/04	100.92	8.25	92.67	8.12	0.13	92.78
16MW-25	12/16/04	100.92	7.62	93.30	7.52	0.10	93.39
16MW-25	1/12/05	100.92	7.70	93.22	7.51	0.19	93.38
16MW-25	2/17/05	100.92	7 28	93.64	7.22	0.06	93.69
16MW-25	3/2/05	100.92	7.36	93.56	7.29	0.07	93.62
16MW-25	4/5/05	100.92	6.68	94.24	6.66	0.02	94.26
16MW-25	5/13/05	100.92	6.56	94.36	-	0.00	94.36
16MW-25	6/8/05	100.92	7.29	93.63	-	0.00	93.63
16MW-25	7/27/05	100.92	8.05	92.87	7.97	0.08	92.94
16MW-25	8/17/05	100.92	8.50	92.42	-	0.00	92.42
16MW-25	9/21/05	100.92	9.10	91.82	9.00	0.10	91.91
16MW-25	10/5/05	100.92	9.20	91.72	-	0.00	91.72
16MW-25	11/9/05	100.92	7.40	93.52	7.35	0.05	93.56
16MW-25	12/14/05	100.92	7.35	93.57	-	0.00	93.57
16MW-25	1/20/06	100.92	6.58	94.34	6.39	0.19	94.50
16MW-25	2/28/06	100.92	7.24	93.68	6.45	0.79	94.35
16MW-26	3/27/01	101.67	8.52	93.15	8.53	0.01	93.15
16MW-26	4/19/01	101.67	5.82	95.85	-	0.00	95.85
16MW-26	5/11/01	101.67	8.41	93.26	8.42	0.01	93.26
16MW-26	6/6/01	101.67	7.45	94.22	-	0.00	94.22
16MW-26	8/14/01	101.67	9.22	92.45	-	0.00	92.45
16MW-26	9/14/01	101.67	9.90	91.77	-	0.00	91.77
16MW-26	10/11/01	101.67	9.08	92.59	-	0.00	92.59

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NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-26	11/13/01	101.67	10.38	91.29	-	0.00	91.29
16MW-26	12/13/01	101.67	9.97	91.70	9.98	0.01	91.70
16MW-26	6/8/02	101.67	7.50	94.17	-	0.00	94.17
16MW-26	6/27/02	101.67	6.40	95.27	-	0.00	95.27
16MW-26	8/15/02	101.67	10.21	91.46	-	0.00	91.46
16MW-26	10/18/02	101.57	6.00	95.57	-	0 00	95.57
16MW-26	11/14/02	101.57	6.09	95.48	-	0.00	95.48
16MW-26	11/26/02	101.57	6.11	95.46	-	0.00	95.46
16MW-26	12/16/02	101.67	5.56	96.11	-	0.00	96.11
16MW-26	1/28/03	101.67	7.55	94.12	-	0.00	94.12
16MW-26	2/26/03	101.67	0.00	101.67	-	0 00	101.67
16MW-26	5/23/03	101.67	8.10	93.57	-	0.00	93.57
16MW-26	6/26/03	101.67	4.16	97.51	-	0 00	97.51
16MW-26	8/1/03	101.67	7.10	94.57	-	0.00	94.57
16MW-26	8/26/03	101.67	6.80	94.87	-	0.00	94.87
16MW-26	9/17/03	101.67	6.29	95.38	-	0 00	95.38
16MW-26	10/28/03	101.67	7.65	94.02	-	0.00	94.02
16MW-26	11/11/03	101.67	4.98	96.69	-	0.00	96.69
16MW-26	12/30/03	101.67	4.15	97.52	-	0.00	97.52
16MW-26	2/18/04	101.67	5.13	96.54	-	0.00	96.54
16MW-26	3/24/04	101.67	4.35	97.32	-	0.00	97.32
16MW-26	4/5/04	101.67	3.59	98.08	-	0.00	98.08
16MW-26	5/5/04	101.67	4.35	97.32	-	0.00	97.32
16MW-26	6/29/04	101.67	8.64	93.03	-	0.00	93.03
16MW-26	7/27/04	101.67	8.00	93.67	-	0.00	93.67
16MW-26	8/18/04	101.67	5.45	96.22	-	0.00	96.22
16MW-26	9/1/04	101.67	6.50	95.17	-	0.00	95.17
16MW-26	10/19/04	101.67	7.32	94.35	-	0.00	94.35
16MW-26	11/23/04	101.67	4.66	97.01	-	0.00	97.01
16MW-26	12/16/04	101.67	4.21	97.46	-	0.00	97.46
16MW-26	1/12/05	101.67	4.45	97.22	-	0.00	97.22
16MW-26	2/17/05	101.67	5.25	96.42	-	0.00	96.42
16MW-26	3/2/05	101.67	5.30	96.37	-	0.00	96.37
16MW-26	4/5/05	101.67	5.05	96.62	-	0.00	96.62
16MW-26	5/13/05	101.67	5.62	96.05	-	0.00	96.05
16MW-26	6/8/05	101.67	5.81	95.86	-	0.00	95.86
16MW-26	7/27/05	101.67	5.60	96.07	-	0.00	96.07
16MW-26	8/17/05	101.67	9.40	92.27	-	0.00	92.27
16MW-26	9/21/05	101.67	10.16	91.51	-	0.00	91.51
16MW-26	10/5/05	101.67	10.35	91.32	-	0.00	91.32
16MW-26	11/9/05	101.67	5.45	96.22	-	0.00	96.22
16MW-26	12/14/05	101.67	4.90	96.77	-	0.00	96.77
16MW-26	1/20/06	101.67	5.06	96.61	-	0.00	96.61
16MW-26	2/28/06	101.67	6.16	95.51	-	0.00	95.51
16MW-27	3/27/01	100.80	10.22	90.58	10.80	0.58	91.07
16MW-27	4/19/01	100.80	9.53	91.27	10.32	0.79	91.95
16MW-27	5/11/01	100.80	9.63	91.17	10.29	0.66	91.73
16MW-27	6/6/01	100.80	9.23	91.57	9.78	0.55	92.04
16MW-27	8/14/01	100.80	9.22	91.58	9.47	0.25	91.79
16MW-27	9/14/01	100.80	9.67	91.13	9.92	0.25	91.34
16MW-27	10/11/01	100.80	9.48	91.32	9.63	0.15	91.45
16MW-27	11/13/01	100.80	10.26	90.54	10.59	0.33	90.82
16MW-27	12/13/01	100.80	9.79	91.01	10.01	0.22	91.19
16MW-27	1/8/02	100.80	10.55	90.25	10.95	0.40	90.59
16MW-27	1/23/02	100.80	10.14	90.66	10.46	0.32	90.93
16MW-27	2/28/02	100.80	10.40	90.40	10.75	0.35	90.70
16MW-27	3/28/02	100.80	9.56	91.24	9.88	0.32	91.51

APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-27	4/23/02	100.80	9.92	90.88	10 26	0.34	91.17
16MW-27	5/15/02	100.80	9.25	91 55	9.47	0.22	91.74
16MW-27	6/8/02	100.80	9.15	91.65	9.26	0.11	91.75
16MW-27	6/27/02	100.80	9.00	91.80	9.08	0.08	91.86
16MW-27	7/16/02	100.80	10.36	90.44	10.69	0.33	90.72
16MW-27	8/15/02	100.80	10.72	90.08	11.94	1.22	91.12
16MW-27	9/10/02	100.80	7.35	93.45	-	0.00	93.45
16MW-27	10/18/02	100.80	8.65	92.15	8.79	0.14	92.27
16MW-27	11/14/02	100.80	8.80	92.00	8.95	0.15	92.12
16MW-27	11/26/02	100.80	8.70	92.10	8.91	0.21	92.28
16MW-27	12/16/02	100.80	0.00	100.80	-	0.00	100.80
16MW-27	1/28/03	100.80	7.65	93.15	7.70	0.05	93.19
16MW-27	2/26/03	100.80	7.95	92.85	8.24	0.29	93.10
16MW-27	3/31/03	100.80	7.25	93.55	7.32	0.07	93.61
16MW-27	4/29/03	100.80	7.10	93.70	7.15	0.05	93.74
16MW-27	5/23/03	100.80	7.46	93.34	7.56	0.10	93.43
16MW-27	6/26/03	100.80	6.51	94.29	6.61	0.10	94.38
16MW-27	8/1/03	100.80	8.16	92.64	8.41	0.25	92.85
16MW-27	8/26/03	100.80	8.10	92.70	8.19	0.09	92.77
16MW-27	9/17/03	100.80	7.94	92 86	7.96	0.02	92.88
16MW-27	10/28/03	100.80	8.25	92.55	8.36	0.11	92.65
16MW-27	12/30/03	100.80	7.00	93.80	7.06	0.06	93.85
16MW-27	1/16/04	100 80	7.64	93.16	7.79	0.15	93.29
16MW-27	2/18/04	100.80	7.25	93.55	7.26	0.01	93.56
16MW-27	4/5/04	100.80	7.18	93 62	6.75	0.43	93.99
16MW-27	5/5/04	100.80	7.50	93.30	6.39	1.11	94.25
16MW-27	6/29/04	100.80	8.08	92.72	7.76	0.32	92.99
16MW-27	7/27/04	100.80	7.60	93.20	7.50	0.10	93.29
16MW-27	8/18/04	100.80	8.23	92.57	7.92	0.31	92.83
16MW-27	9/1/04	100.80	8.30	92.50	8.30	0.00	92.50
16MW-27	10/19/04	100.80	8.81	91.99	8.10	0.71	92.59
16MW-27	11/23/04	100.80	8.54	92.26	7.93	0.61	92.78
16MW-27	12/16/04	100.80	8.87	91.93	7.28	1.59	93.28
16MW-27	1/12/05	100.80	8.72	92.08	7.30	1.42	93.29
16MW-27	2/17/05	100.80	8.42	92.38	6.92	1.50	93.66
16MW-27	3/2/05	100.80	8.59	92.21	6.99	1.60	93.57
16MW-27	4/5/05	100.80	6.76	94.04	6.44	0.32	94.31
16MW-27	5/13/05	100.80	6.96	93.84	6.57	0.39	94.17
16MW-27	6/8/05	100.80	7.45	93.35	7.15	0.30	93.61
16MW-27	7/27/05	100.80	7.90	92.90	-	0.00	92.90
16MW-27	8/17/05	100.80	8.50	92.30	8.40	0.10	92.39
16MW-27	9/21/05	100.80	8.91	91.89	8.90	0.01	91.90
16MW-27	10/5/05	100.80	9.10	91.70	-	0.00	91.70
16MW-27	11/9/05	100.80	7.20	93.60	-	0.00	93 60
16MW-27	12/14/05	100.80	7.31	93.49	7.30	0 01	93.50
16MW-27	1/20/06	100.80	6.35	94.45	-	0.00	94.45
16MW-27	2/28/06	100.80	7.25	93.55	6.65	0.60	94.06
16MW-28	3/27/01	100.62	7.46	93.16	-	0.00	93.16
16MW-28	4/19/01	100.62	7.85	92.77	7.86	0.01	92.78
16MW-28	5/11/01	100.62	7.16	93.46	7.82	0.66	94.02
16MW-28	6/6/01	100.62	7.28	93.34	-	0.00	93.34
16MW-28	8/14/01	100.62	8.27	92.35	-	0.00	92.35
16MW-28	9/14/01	100.62	8.62	92.00	-	0.00	92.00
16MW-28	10/11/01	100.62	8.81	91.81	-	0.00	91.81
16MW-28	11/13/01	100.62	8.94	91.68	-	0.00	91.68
16MW-28	12/13/01	100.62	8.87	91.75	-	0.00	91.75
16MW-28	1/8/02	100.62	9.00	91.62	-	0.00	91.62

APPENDIX B
NAVAL WEAPONS STATION EARLE
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GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-28	1/23/02	100.62	8.84	91.78	-	0.00	91.78
16MW-28	2/28/02	100.62	9.01	91.61	-	0.00	91.61
16MW-28	3/28/02	100.62	8.30	92.32	-	0.00	92.32
16MW-28	4/23/02	100.62	8.56	92.06	-	0.00	92.06
16MW-28	5/15/02	100.62	8.29	92.33	-	0.00	92.33
16MW-28	6/8/02	100.62	8.55	92.07	-	0.00	92.07
16MW-28	7/16/02	100.62	9.11	91.51	-	0.00	91.51
16MW-28	8/15/02	100.62	9.48	91.14	-	0.00	91.14
16MW-28	9/10/02	100.62	8.75	91.87	-	0.00	91.87
16MW-28	10/18/02	100.62	7 80	92.82	-	0.00	92.82
16MW-28	11/14/02	100.62	7.85	92.77	-	0.00	92.77
16MW-28	11/26/02	100.62	7.60	93.02	-	0.00	93 02
16MW-28	12/16/02	100.62	7.30	93.32	-	0.00	93.32
16MW-28	1/28/03	100.62	7.40	93.22	-	0.00	93.22
16MW-28	2/26/03	100.62	7.00	93.62	-	0.00	93.62
16MW-28	3/31/03	100.62	6.85	93.77	-	0.00	93.77
16MW-28	4/29/03	100.62	6.65	93.97	-	0.00	93.97
16MW-28	5/23/03	100.62	7.25	93.37	-	0.00	93.37
16MW-28	9/17/03	100.62	7.78	92.84	-	0.00	92.84
16MW-28	12/30/03	100.62	6.78	93.84	-	0.00	93.84
16MW-28	2/18/04	100.62	7.00	93.62	-	0.00	93.62
16MW-28	3/24/04	100.62	6.76	93.86	-	0.00	93.86
16MW-28	4/5/04	100.62	6.02	94.60	-	0.00	94.60
16MW-28	5/5/04	100.62	6.20	94.42	-	0.00	94.42
16MW-28	6/29/04	100.62	7.67	92.95	-	0.00	92.95
16MW-28	7/27/04	100.62	7.50	93.12	-	0.00	93.12
16MW-28	8/18/04	100.62	7.05	93.57	-	0.00	93.57
16MW-28	9/1/04	100.62	8.10	92.52	-	0.00	92.52
16MW-28	11/23/04	100.62	7.88	92.74	-	0.00	92.74
16MW-28	4/5/05	100.62	6.09	94.53	-	0.00	94.53
16MW-28	5/13/05	100.62	6.56	94.06	-	0.00	94.06
16MW-28	6/8/05	100.62	7.06	93.56	-	0.00	93.56
16MW-28	7/27/05	100.62	7.80	92.82	-	0.00	92.82
16MW-28	8/17/05	100.62	8.30	92.32	-	0.00	92.32
16MW-28	9/21/05	100.62	8.80	91.82	-	0.00	91.82
16MW-28	10/5/05	100.62	8.95	91.67	-	0.00	91.67
16MW-28	11/9/05	100.62	7.10	93.52	-	0.00	93.52
16MW-31	11/20/05	99.94	7.21	92.73	-	0.00	92.73
16MW-31	11/30/05	99.94	8.40	91.54	-	0.00	91.54
16MW-31	12/7/05	99.94	8.45	91.49	-	0.00	91.49
16MW-31	12/14/05	99.94	8.61	91.33	-	0.00	91.33
16MW-31	12/23/05	99.94	8.45	91.49	-	0.00	91.49
16MW-31	12/28/05	99.94	8.45	91.49	-	0.00	91.49
16MW-31	1/4/06	99.94	7 63	92.31	-	0.00	92.31
16MW-31	1/10/06	99.94	8.07	91.87	-	0.00	91.87
16MW-31	1/20/06	99.94	7 69	92.25	7.62	0.07	92.31
16MW-31	1/27/06	99.94	7.72	92.22	7.65	0.07	92.28
16MW-31	2/28/06	99.94	6.51	93.43	-	0.00	93.43
16MW-32	11/20/05	100.28	8.42	91.86	8.35	0.07	91.92
16MW-32	11/30/05	100.28	8.36	91.92	8.35	0.01	91.93
16MW-32	12/7/05	100.28	8.51	91.77	8.50	0.01	91.78
16MW-32	12/14/05	100.28	8.64	91.64	8.51	0.13	91.75
16MW-32	12/23/05	100.28	8.42	91.86	8.40	0.02	91.88
16MW-32	12/28/05	100.28	8.52	91.76	-	0.00	91 76
16MW-32	1/4/06	100.28	7.84	92.44	7.76	0.08	92.51
16MW-32	1/10/06	100.28	8.15	92.13	8.02	0.13	92.24

APPENDIX B
NAVAL WEAPONS STATION EARLE
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GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

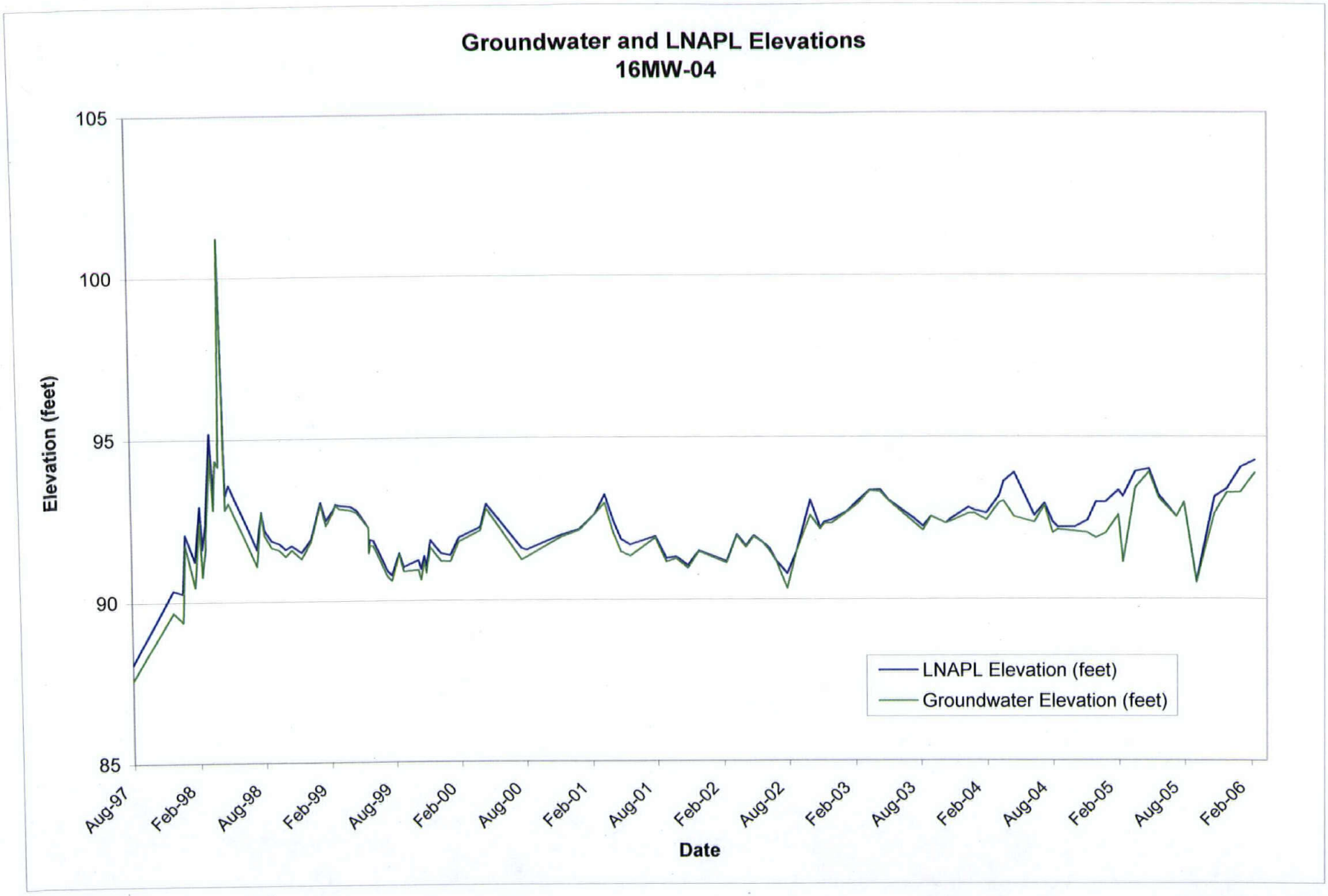
Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
16MW-32	1/20/06	100.28	11.78	88.50	7.65	4.13	92.02
16MW-32	1/27/06	100.28	11.84	88.44	7.52	4.32	92.12
16MW-32	2/28/06	100.28	7.13	93.15	6.71	0.42	93.51
16MW-33	11/20/05	100.50	11.25	89.25	7.71	3.54	92.27
16MW-33	11/30/05	100.50	11.65	88.85	7.60	4.05	92.30
16MW-33	12/7/05	100.50	11.80	88.70	7.80	4.00	92.11
16MW-33	12/14/05	100.50	11.61	88.89	7.85	3.76	92.09
16MW-33	12/23/05	100.50	12.00	88.50	7.60	4.40	92.25
16MW-33	12/28/05	100.50	11.52	88.98	7.66	3.86	92.27
16MW-33	1/4/06	100.50	11.54	88.96	7.02	4.52	92.81
16MW-33	1/10/06	100.50	12.95	87.55	7.04	5.91	92.59
16MW-33	1/20/06	100.50	13.04	87.46	6.56	6.48	92.98
16MW-33	1/27/06	100.50	12.97	87.53	6.42	6.55	93.11
16MW-33	2/28/06	100.50	11.35	89.15	6.16	5.19	93.57
16MW-34	11/20/05	100.09	7.91	92.18	-	0.00	92.18
16MW-34	11/30/05	100.09	7.95	92.14	-	0.00	92.14
16MW-34	12/7/05	100.09	8.10	91.99	-	0.00	91.99
16MW-34	12/14/05	100.09	8.08	92.01	-	0.00	92.01
16MW-34	12/23/05	100.09	7.90	92.19	-	0.00	92.19
16MW-34	12/28/05	100.09	7.87	92.22	-	0.00	92.22
16MW-34	1/4/06	100.09	7.29	92.80	-	0.00	92.80
16MW-34	1/10/06	100.09	7.65	92.44	7.51	0.14	92.56
16MW-34	1/20/06	100.09	7.08	93.01	-	0.00	93 01
16MW-34	1/27/06	100.09	7.21	92.88	-	0.00	92.88
16MW-34	2/28/06	100.09	7.16	92.93	5.81	1.35	94.08
16MW-35	11/20/05	99.90	9.21	90 69	7.65	1.56	92.02
16MW-35	11/30/05	99.90	9.15	90.75	7.65	1.50	92.03
16MW-35	12/7/05	99.90	9.00	90.90	7.80	1.20	91.92
16MW-35	12/14/05	99.90	9.15	90.75	7.82	1.33	91.88
16MW-35	12/23/05	99.90	9.20	90.70	7.60	1.60	92.06
16MW-35	12/28/05	99.90	9.21	90.69	7.61	1.60	92.05
16MW-35	1/4/06	99.90	9.15	90.75	6.92	2.23	92.65
16MW-35	1/10/06	99.90	10.38	89.52	7.17	3 21	92.25
16MW-35	1/20/06	99.90	10.12	89.78	6.72	3.40	92.68
16MW-35	1/27/06	99.90	9 12	90.78	6.91	2.21	92.66
16MW-35	2/28/06	99.90	7.31	92.59	5.42	1.89	94.20
C17MW-07	10/6/97	100.16	12.03	88.13	13.31	1.28	89.22
C17MW-07	12/12/97	100.16	11.69	88.47	12.95	1.26	89.54
C17MW-07	1/7/98	100.16	11.78	88.38	13.20	1.42	89.59
C17MW-07	1/15/98	100.16	7.95	92.21	8.27	0.32	92.48
C17MW-07	2/10/98	100.16	9.05	91.11	9.89	0.84	91.82
C17MW-07	2/24/98	100.16	6.00	94.16	6.15	0.15	94.29
C17MW-07	3/3/98	100.16	5.89	94.27	6.38	0.49	94.69
C17MW-07	3/12/98	100.16	5.99	94.17	6.17	0.18	94.32
C17MW-07	3/13/98	100.16	5.96	94.20	6.10	0.14	94.32
C17MW-07	3/26/98	100.16	5.35	94 81	5.36	0.01	94.82
C17MW-07	4/3/98	100.16	5.90	94.26	5.99	0.09	94.34
C17MW-07	4/9/98	100.16	6.02	94.14	6.10	0.08	94.21
C17MW-07	4/17/98	100.16	5.99	94.17	6.11	0.12	94.27
C17MW-07	4/24/98	100.16	5.90	94.26	6.03	0.13	94.37
C17MW-07	5/5/98	100.16	6.50	93.66	6.78	0.28	93.90
C17MW-07	5/15/98	100.16	5.50	94.66	5.72	0.22	94.85
C17MW-07	7/30/98	100.16	10.61	89.55	11.73	1.12	90.50
C17MW-07	8/7/98	100.16	7.80	92.36	8.05	0.25	92.57

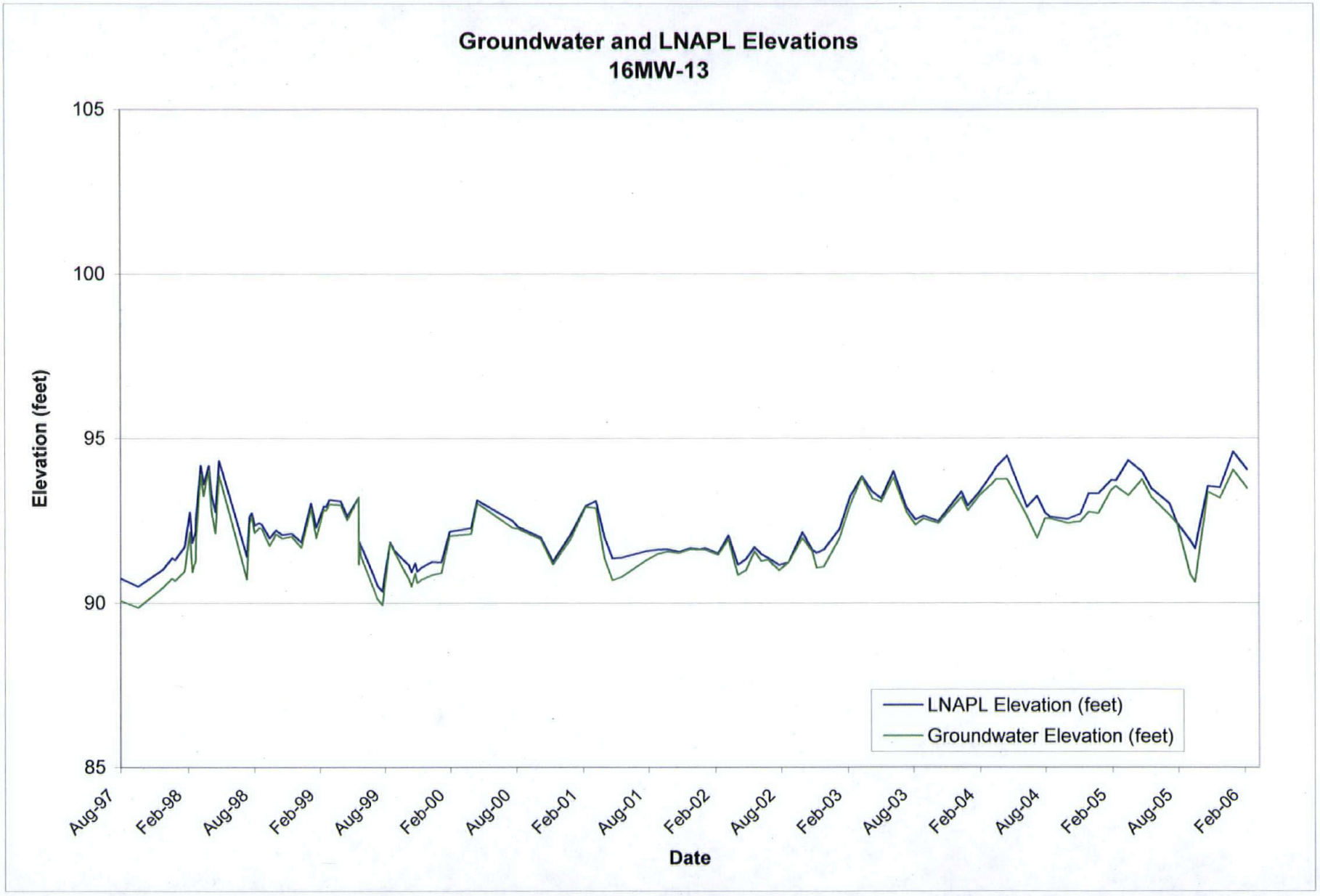
APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

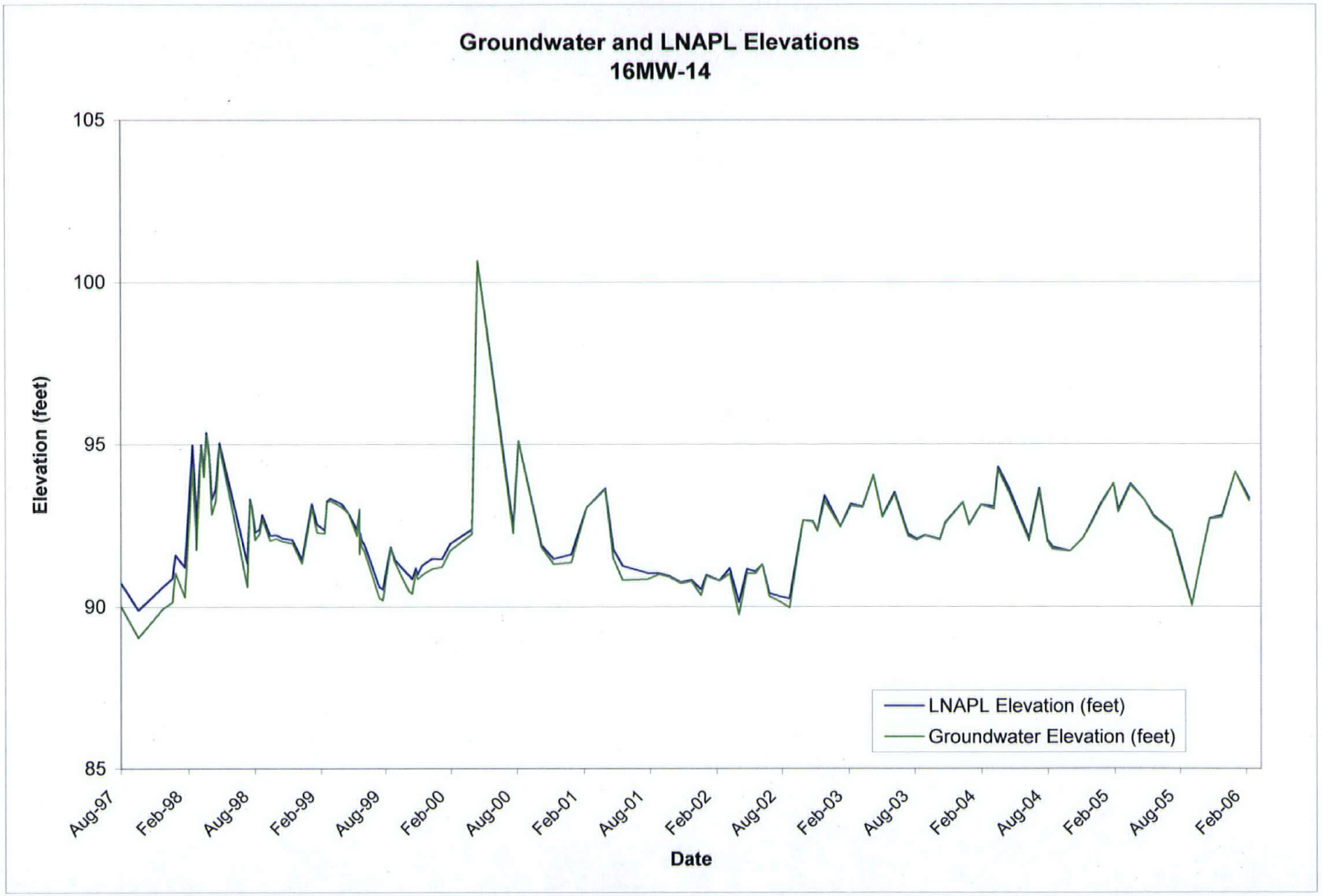
Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
C17MW-07	8/13/98	100.16	7.61	92.55	7.72	0.11	92.65
C17MW-07	8/21/98	100.16	7.27	92.89	7.39	0.11	92.98
C17MW-07	9/3/98	100.16	7.76	92.40	7.91	0.15	92.53
C17MW-07	9/10/98	100.16	7.42	92.75	7.50	0.09	92.82
C17MW-07	10/2/98	100.16	8.16	92.00	8.37	0.21	92.17
C17MW-07	10/20/98	100.16	7.88	92.28	7.98	0.10	92.37
C17MW-07	12/3/98	100.16	7.96	92.20	8.04	0.08	92.27
C17MW-07	12/30/98	100.16	8.03	92.13	8.15	0.12	92.23
C17MW-07	1/26/99	100.16	6.65	93.51	6.75	0.10	93.59
C17MW-07	2/10/99	100.16	7.20	92.96	7.37	0.17	93.11
C17MW-07	3/9/99	100.16	6.95	93.21	7.06	0.11	93.31
C17MW-07	3/19/99	100.16	6.46	93.70	6.54	0.08	93.77
C17MW-07	4/20/99	100.16	6.92	93.24	7.03	0.11	93.33
C17MW-07	5/7/99	100.16	7.00	93.16	7.08	0.08	93.22
C17MW-07	6/1/99	100.16	7.61	92.55	7.75	0.14	92.67
C17MW-07	6/9/99	100.16	7.20	92.96	-	0.00	92.96
C17MW-07	6/9/99	100.16	8.39	91.77	8.67	0.28	92.00
C17MW-07	6/10/99	100.16	7.93	92.23	8.06	0.13	92.34
C17MW-07	6/14/99	100.16	8.25	91.91	8.47	0.22	92.10
C17MW-07	6/22/99	100.16	8.55	91.61	8.87	0.32	91.88
C17MW-07	7/29/99	100.16	10.40	89.76	11.00	0.60	90.27
C17MW-07	8/3/99	100.16	10.62	89.54	11.25	0.63	90.08
C17MW-07	8/13/99	100.16	10.96	89.20	11.66	0.70	89.80
C17MW-07	9/3/99	100.16	8.37	91.79	8.41	0.04	91.83
C17MW-07	9/15/99	100.16	9.37	90.79	9.66	0.29	90.81
C17MW-07	10/26/99	100.16	11.04	89.12	12.06	1.02	89.99
C17MW-07	11/2/99	100.16	10.99	89.17	11.92	0.93	89.96
C17MW-07	11/18/99	100.16	8.56	91.60	8.73	0.17	91.74
C17MW-07	12/1/99	100.16	8.45	91.71	8.64	0.19	91.87
C17MW-07	12/31/99	100.16	8.30	91.86	8.52	0.22	92.05
C17MW-07	1/26/00	100.16	8.20	91.96	8.32	0.12	92.06
C17MW-07	2/18/00	100.16	7.47	92.69	7.50	0.03	92.72
C17MW-07	4/17/00	100.16	7.38	92.78	7.46	0.08	92.85
C17MW-07	5/4/00	100.16	7.92	92.24	7.98	0.06	92.29
C17MW-07	8/9/00	100.16	7.07	93.09	7.13	0.06	93.14
C17MW-07	8/24/00	100.16	7.50	92.66	7.52	0.02	92.68
C17MW-07	10/26/00	100.16	8.08	92.08	8.14	0.06	92.13
C17MW-07	11/28/00	100.16	8.00	92.16	8.16	0.16	92.29
C17MW-07	1/16/01	100.16	8.10	92.06	8.30	0.20	92.23
C17MW-07	2/27/01	100.16	6.42	93.74	6.43	0.01	93.74
C17MW-07	3/27/01	100.16	6.25	93.91	6.29	0.04	93.95
C17MW-07	4/19/01	100.16	6.44	93.72	6.58	0.14	93.84
C17MW-07	5/11/01	100.16	7.19	92.97	7.34	0.15	93.10
C17MW-07	6/6/01	100.16	7.57	92.59	7.76	0.19	92.75
C17MW-07	8/14/01	100.16	8.96	91.20	9 33	0.37	91.52
C17MW-07	9/14/01	100.16	8.76	91.40	8.94	0.18	91.55
C17MW-07	10/11/01	100.16	8.36	91.80	8.40	0.04	91.83
C17MW-07	11/13/01	100.16	8.91	91.25	9.06	0.15	91.38
C17MW-07	12/13/01	100.16	8.93	91.23	9.14	0.21	91.40
C17MW-07	1/8/02	100.16	9.38	90.78	9.76	0.38	91.11
C17MW-07	1/23/02	100.16	9.70	90.46	10.17	0.47	90.86
C17MW-07	2/28/02	100.16	9.21	90.95	9.47	0.26	91.17
C17MW-07	3/28/02	100.16	8.30	91.86	8.68	0.38	92.18
C17MW-07	4/23/02	100.16	8.70	91.46	8.98	0.28	91.70
C17MW-07	5/15/02	100.16	8.50	91.66	8.84	0.34	91.95
C17MW-07	6/8/02	100.16	8.80	91.36	9.14	0.34	91.65
C17MW-07	6/27/02	100.16	8.80	91.36	9.15	0.35	91.66
C17MW-07	7/16/02	100.16	8.65	91.51	8.68	0.03	91.53

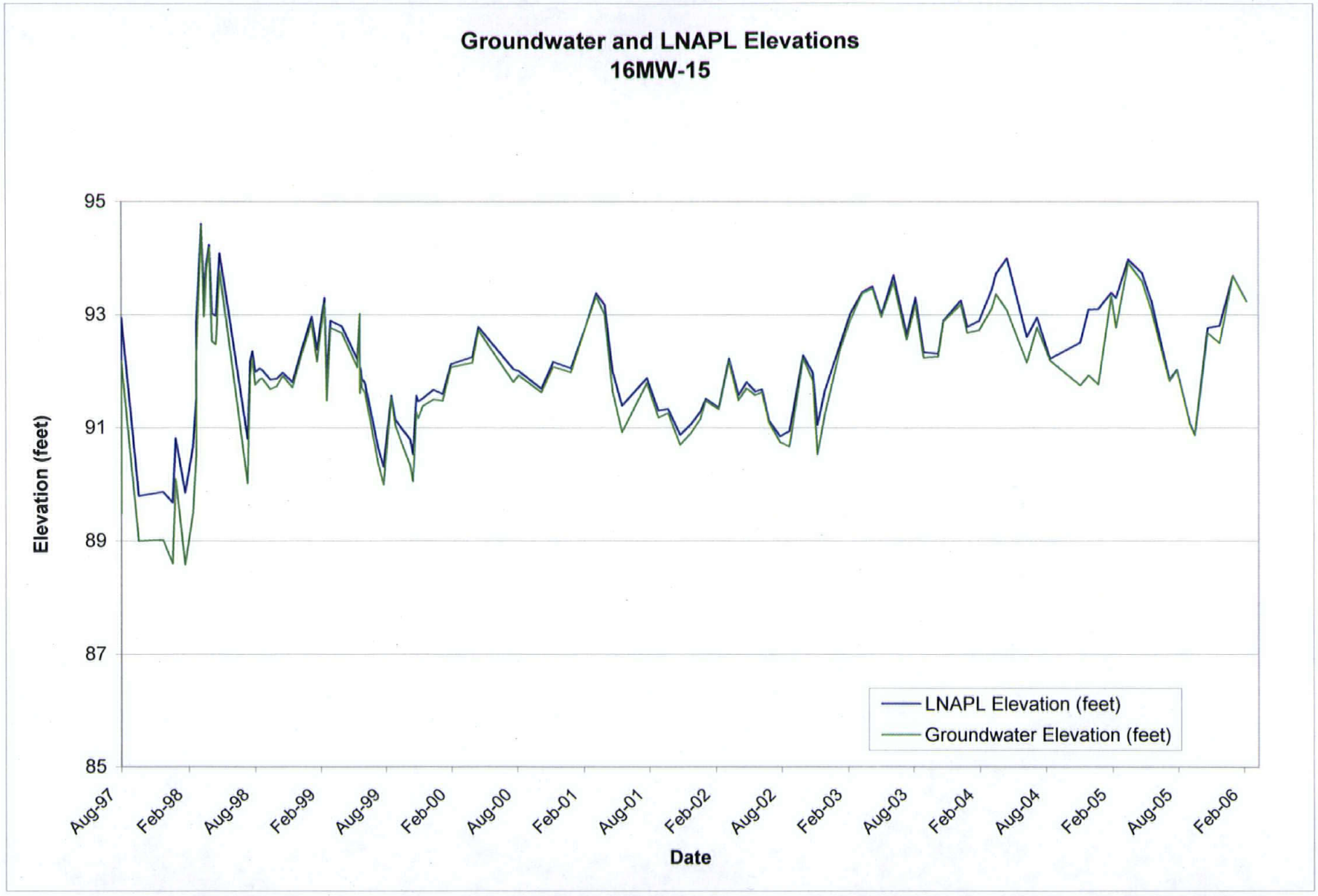
APPENDIX B
NAVAL WEAPONS STATION EARLE
BIOSLURPER UNITS
GROUNDWATER LEVEL AND LNAPL THICKNESS DATA

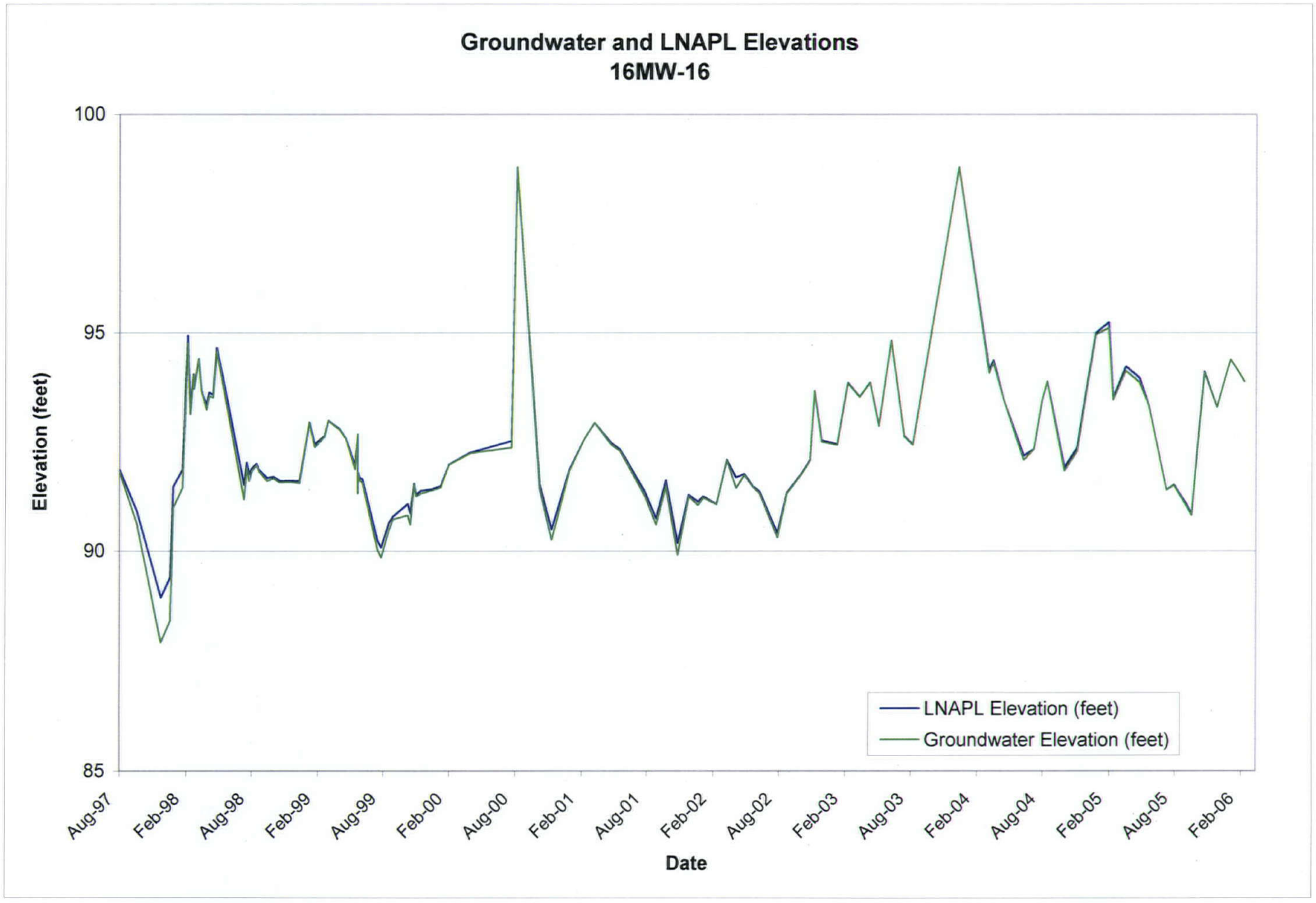
Well ID	Date	Top of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected Elevation (feet)
C17MW-07	8/15/02	100.16	9.53	90.63	10.23	0.70	91.23
C17MW-07	9/10/02	100.16	8.10	92.06	8.14	0.04	92.10
C17MW-07	10/18/02	100.16	7.18	92.98	7.22	0.04	93 02
C17MW-07	11/14/02	100.16	7.60	92.56	7.70	0.10	92.65
C17MW-07	11/26/02	100.16	7.12	93.04	7.16	0.04	93.08
C17MW-07	12/16/02	100.16	6.55	93.61	6.58	0.03	93.63
C17MW-07	1/28/03	100.16	7.75	92.41	8.05	0.30	92.67
C17MW-07	2/26/03	100.16	6.33	93.83	6.35	0.02	93.85
C17MW-07	3/31/03	100.16	6.03	94.13	6.04	0.01	94.13
C17MW-07	4/29/03	100.16	5.80	94.36	5.81	0.01	94.36
C17MW-07	5/23/03	100.16	6.47	93.69	6.49	0.02	93.70
C17MW-07	6/26/03	100.16	5.20	94.96	5.22	0.02	94.97
C17MW-07	8/1/03	100.16	6.52	93.64	6.54	0.02	93.66
C17MW-07	8/26/03	100.16	6.73	93.43	6.76	0.03	93.45
C17MW-07	9/17/03	100.16	6.71	93.45	6.72	0.01	93.46
C17MW-07	10/28/03	100.16	7.20	92.96	7.23	0.03	92.98
C17MW-07	12/30/03	100.16	5.32	94.84	5.33	0.01	94.85
C17MW-07	2/18/04	100.16	6.03	94.13	6.04	0.01	94.14
C17MW-07	3/24/04	100.16	5.66	94 50	5.61	0.05	94.54
C17MW-07	4/5/04	100.16	5.42	94.74	5.38	0.04	94.77
C17MW-07	5/5/04	100.16	5.12	95.04	-	0.00	95.04
C17MW-07	6/29/04	100.16	7.58	92.58	7.51	0.07	92.64
C17MW-07	7/27/04	100.16	6.95	93.21	6.90	0.05	93.25
C17MW-07	8/18/04	100.16	7.60	92.56	7.40	0.20	92.73
C17MW-07	9/1/04	100.16	7.89	92.27	-	0.00	92.27
C17MW-07	10/19/04	100.16	7.58	92.58	7.50	0.08	92.65
C17MW-07	11/23/04	100.16	7.69	92.47	7.23	0.46	92.86
C17MW-07	12/16/04	100.16	7.17	92.99	6.61	0.56	93.47
C17MW-07	1/12/05	100.16	7.22	92.94	6.51	0.71	93.54
C17MW-07	2/17/05	100.16	7.02	93.14	6.12	0.90	93.91
C17MW-07	3/2/05	100.16	7.10	93.06	6.27	0.83	93.77
C17MW-07	4/5/05	100.16	6.32	93.84	5.41	0.91	94.62
C17MW-07	5/13/05	100.16	6.28	93.88	5.36	0.92	94.66
C17MW-07	6/8/05	100.16	6.70	93.46	6.55	0.15	93.59
C17MW-07	7/27/05	100.16	7.06	93.10	6.98	0.08	93.17
C17MW-07	8/17/05	100.16	7.90	92.26	7.85	0.05	92.30
C17MW-07	9/21/05	100.16	8.90	91.26	8.30	0.60	91.77
C17MW-07	10/5/05	100.16	8.90	91.26	8.40	0.50	91.69
C17MW-07	11/9/05	100.16	6.47	93.69	6.45	0.02	93.71
C17MW-07	12/14/05	100.16	6.00	94.16	-	0.00	94.16
C17MW-07	1/20/06	100.16	4.51	95.65	-	0.00	95.65
C17MW-07	2/28/06	100.16	5.36	94.80	-	0.00	94.80

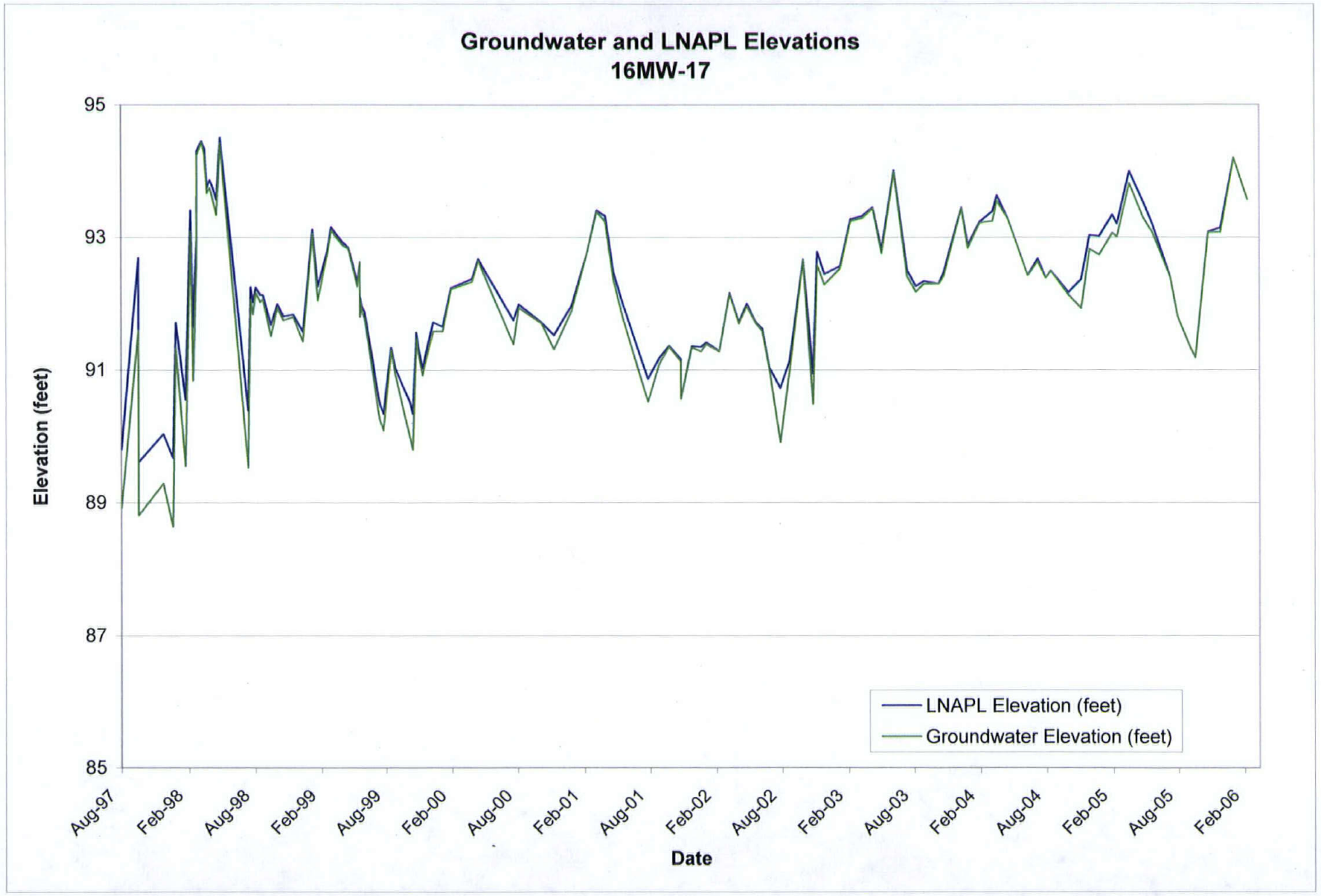

Groundwater and LNAPL Elevations
16MW-04
Elevation (feet)
105
100
95
90
85
Aug-97
Feb-98
Aug-98
Feb-99
Aug-99
Feb-00
Aug-00
Feb-01
Aug-01
Feb-02
Aug-02
Feb-03
Aug-03
Feb-04
Aug-04
Feb-05
Aug-05
Feb-06
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)

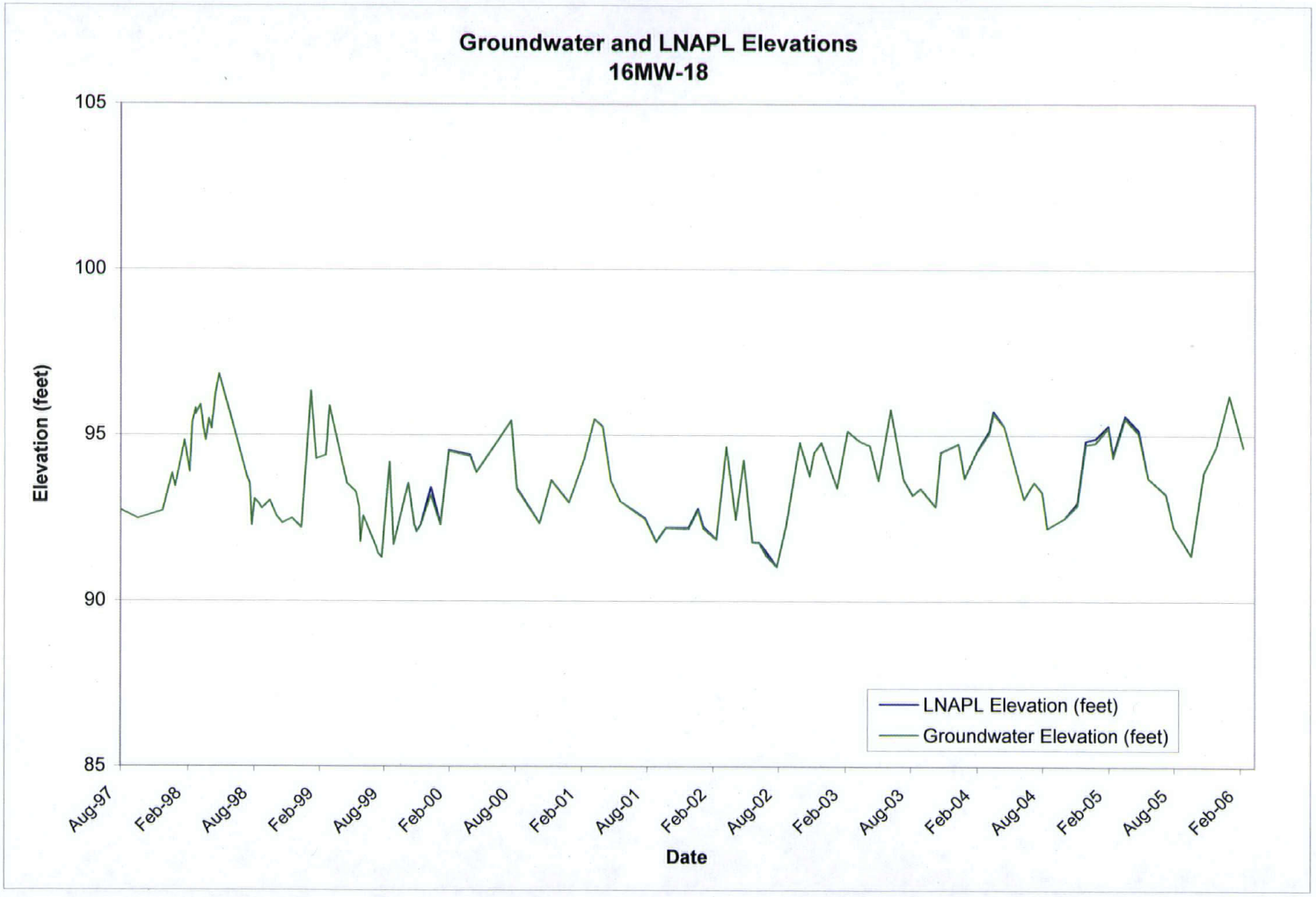

Groundwater and LNAPL Elevations
16MW-13
Elevation (feet)
105
100
95
90
85
Aug-97
Feb-98
Aug-98
Feb-99
Aug-99
Feb-00
Aug-00
Feb-01
Aug-01
Feb-02
Aug-02
Feb-03
Aug-03
Feb-04
Aug-04
Feb-05
Aug-05
Feb-06
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)

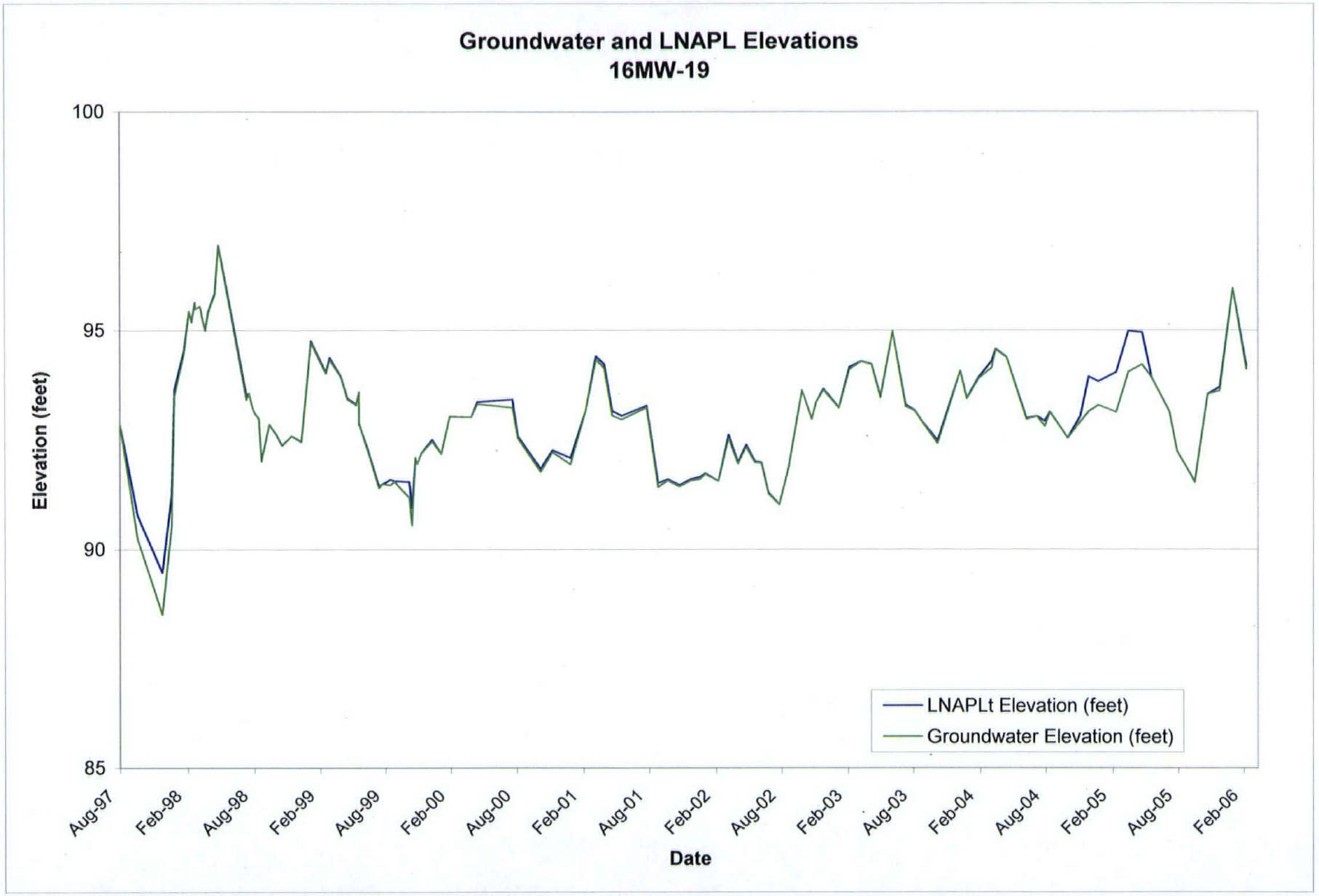

Groundwater and LNAPL Elevations
16MW-14
Elevation (feet)
105
100
95
90
85
Aug-97
Feb-98
Aug-98
Feb-99
Aug-99
Feb-00
Aug-00
Feb-01
Aug-01
Feb-02
Aug-02
Feb-03
Aug-03
Feb-04
Aug-04
Feb-05
Aug-05
Feb-06
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)

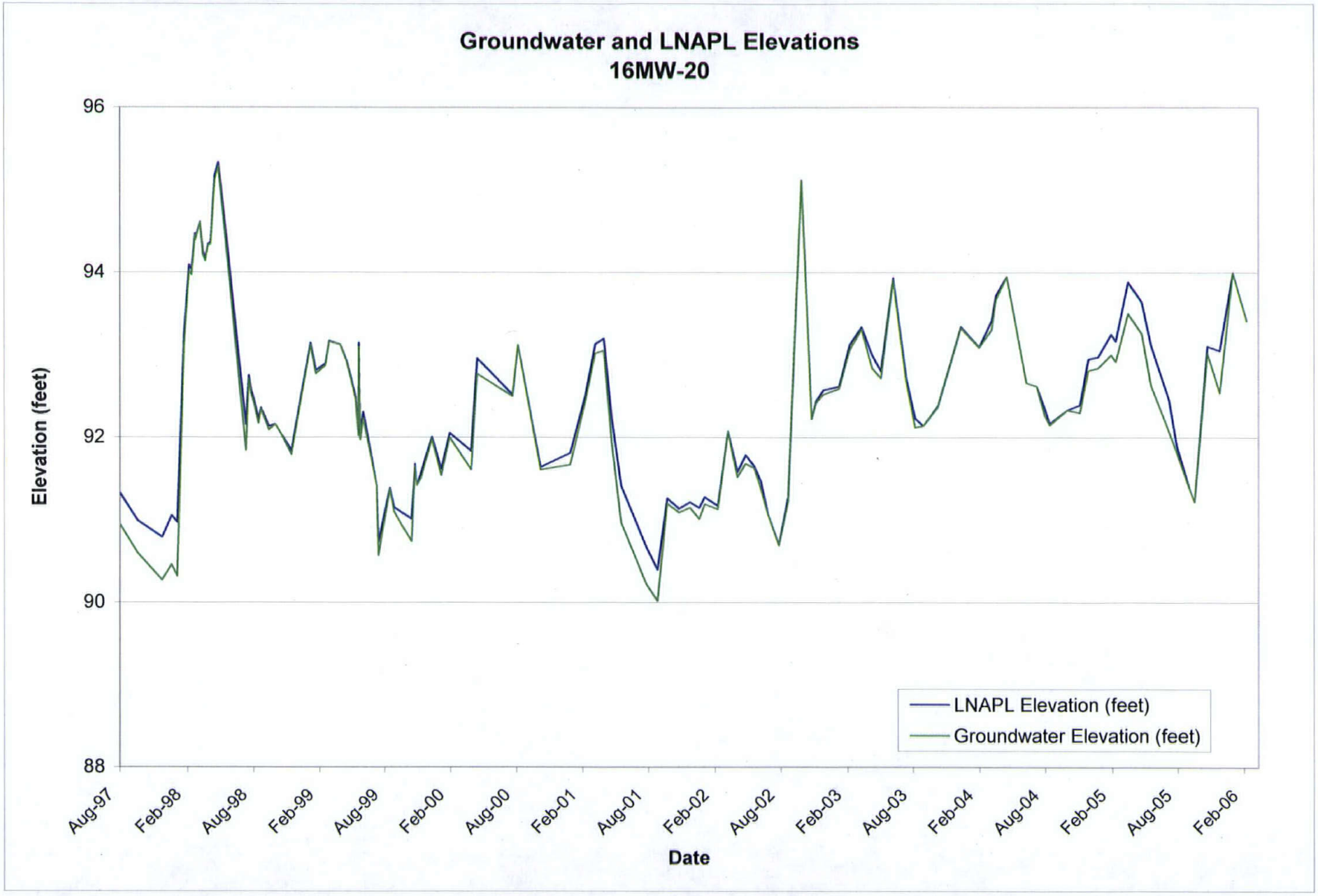

Groundwater and LNAPL Elevations
16MW-15
Elevation (feet)
95
93
91
89
87
85
Aug-97
Feb-98
Aug-98
Feb-99
Aug-99
Feb-00
Aug-00
Feb-01
Aug-01
Feb-02
Aug-02
Feb-03
Aug-03
Feb-04
Aug-04
Feb-05
Aug-05
Feb-06
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)

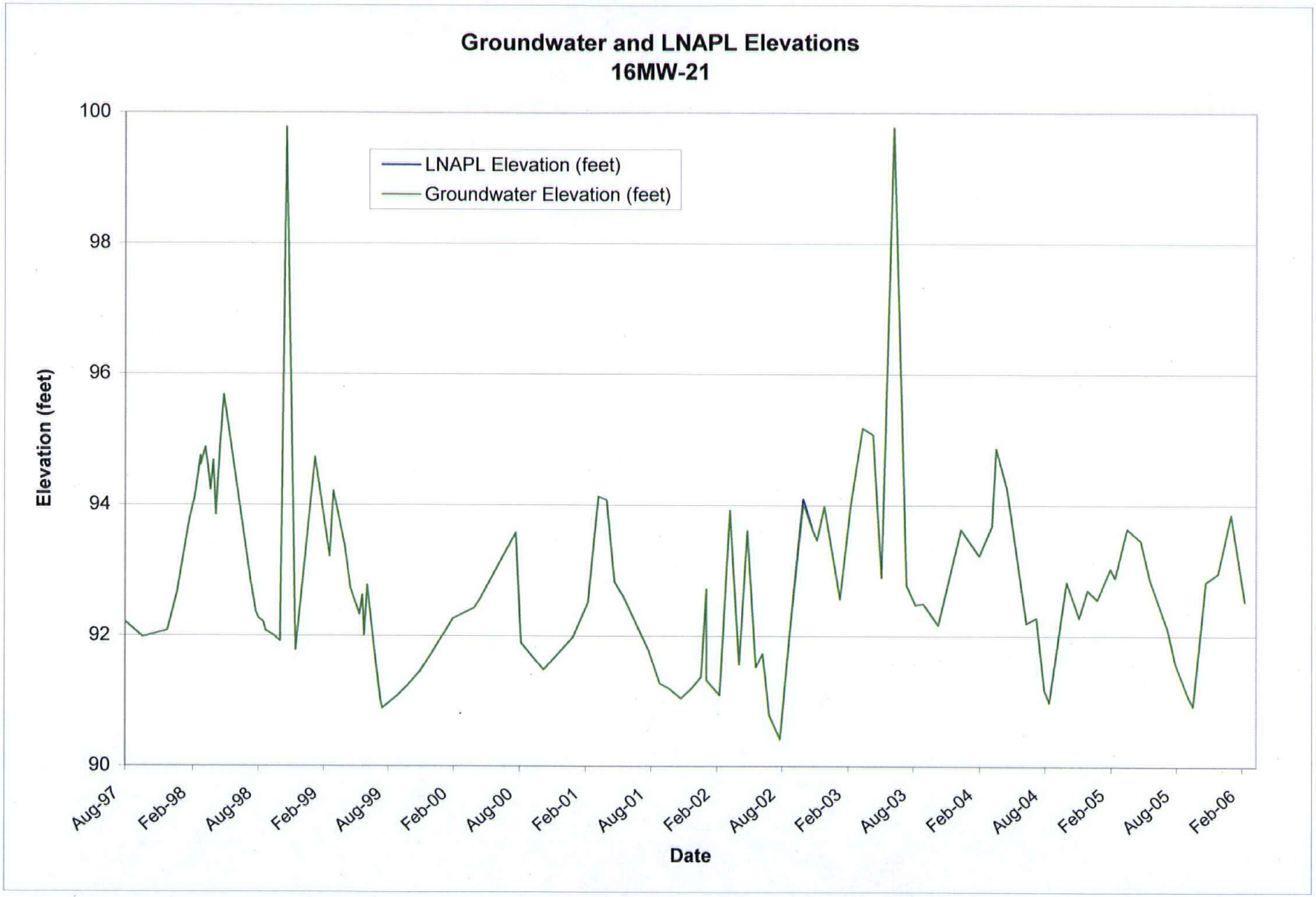

Groundwater and LNAPL Elevations
16MW-16
100
95
90
85
Elevation (feet)
Aug-97
Feb-98
Aug-98
Feb-99
Aug-99
Feb-00
Aug-00
Feb-01
Aug-01
Feb-02
Aug-02
Feb-03
Aug-03
Feb-04
Aug-04
Feb-05
Aug-05
Feb-06
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)


Groundwater and LNAPL Elevations
16MW-17
Elevation (feet)
95
93
91
89
87
85
Aug-97
Feb-98
Aug-98
Feb-99
Aug-99
Feb-00
Aug-00
Feb-01
Aug-01
Feb-02
Aug-02
Feb-03
Aug-03
Feb-04
Aug-04
Feb-05
Aug-05
Feb-06
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)


Groundwater and LNAPL Elevations
16MW-18
105
100
95
90
85
Elevation (feet)
Aug-97
Feb-98
Aug-98
Feb-99
Aug-99
Feb-00
Aug-00
Feb-01
Aug-01
Feb-02
Aug-02
Feb-03
Aug-03
Feb-04
Aug-04
Feb-05
Aug-05
Feb-06
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)


Groundwater and LNAPL Elevations
16MW-19
100
95
90
85
Elevation (feet)
Aug-97
Feb-98
Aug-98
Feb-99
Aug-99
Feb-00
Aug-00
Feb-01
Aug-01
Feb-02
Aug-02
Feb-03
Aug-03
Feb-04
Aug-04
Feb-05
Aug-05
Feb-06
Date
LNAPLt Elevation (feet)
Groundwater Elevation (feet)


Groundwater and LNAPL Elevations
16MW-20
Elevation (feet)
96
94
92
90
88
Aug-97
Feb-98
Aug-98
Feb-99
Aug-99
Feb-00
Aug-00
Feb-01
Aug-01
Feb-02
Aug-02
Feb-03
Aug-03
Feb-04
Aug-04
Feb-05
Aug-05
Feb-06
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)


Groundwater and LNAPL Elevations
16MW-21
LNAPL Elevation (feet)
Groundwater Elevation (feet)
Elevation (feet)
100
98
96
94
92
90
Aug-97
Feb-98
Aug-98
Feb-99
Aug-99
Feb-00
Aug-00
Feb-01
Aug-01
Feb-02
Aug-02
Feb-03
Aug-03
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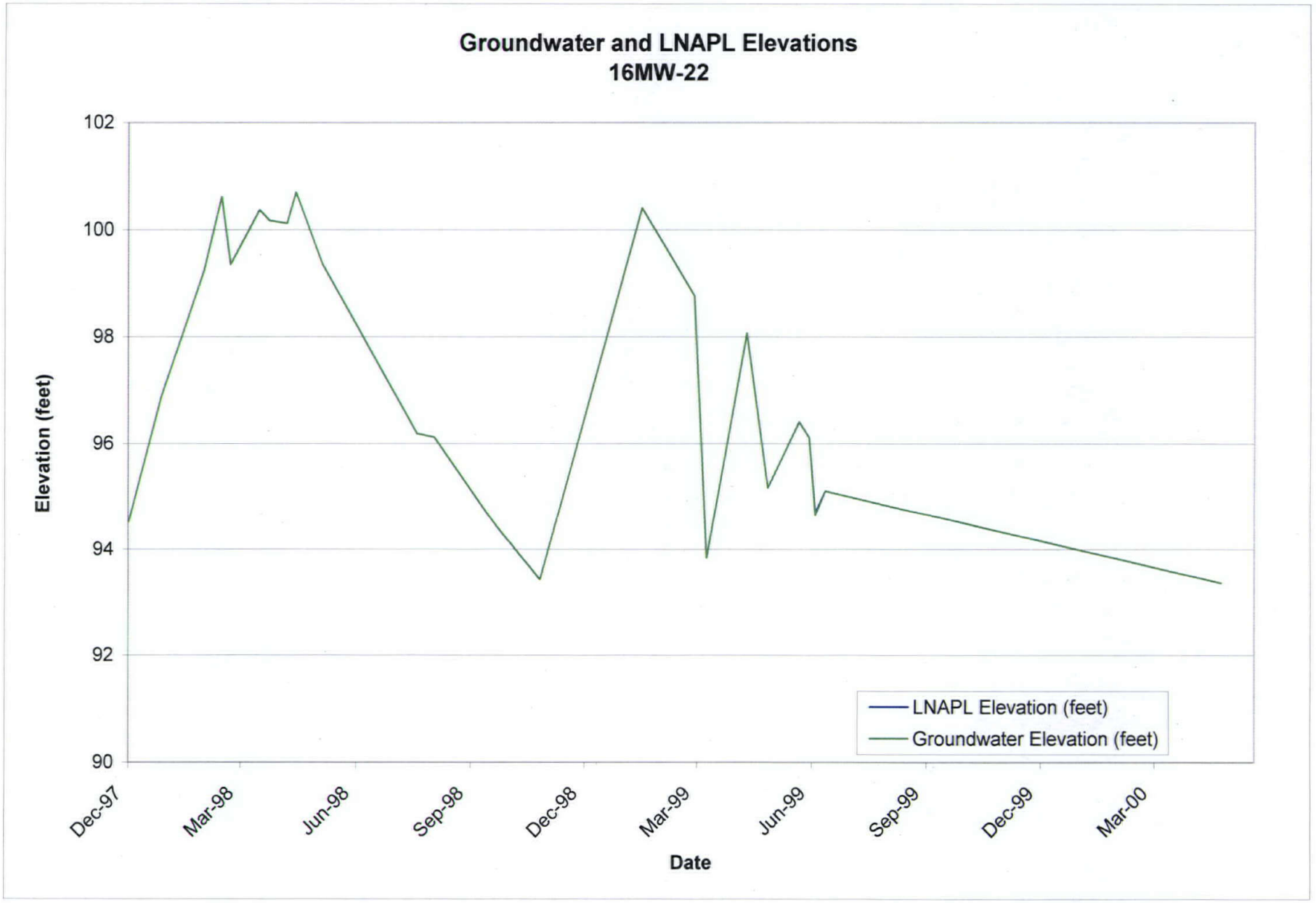
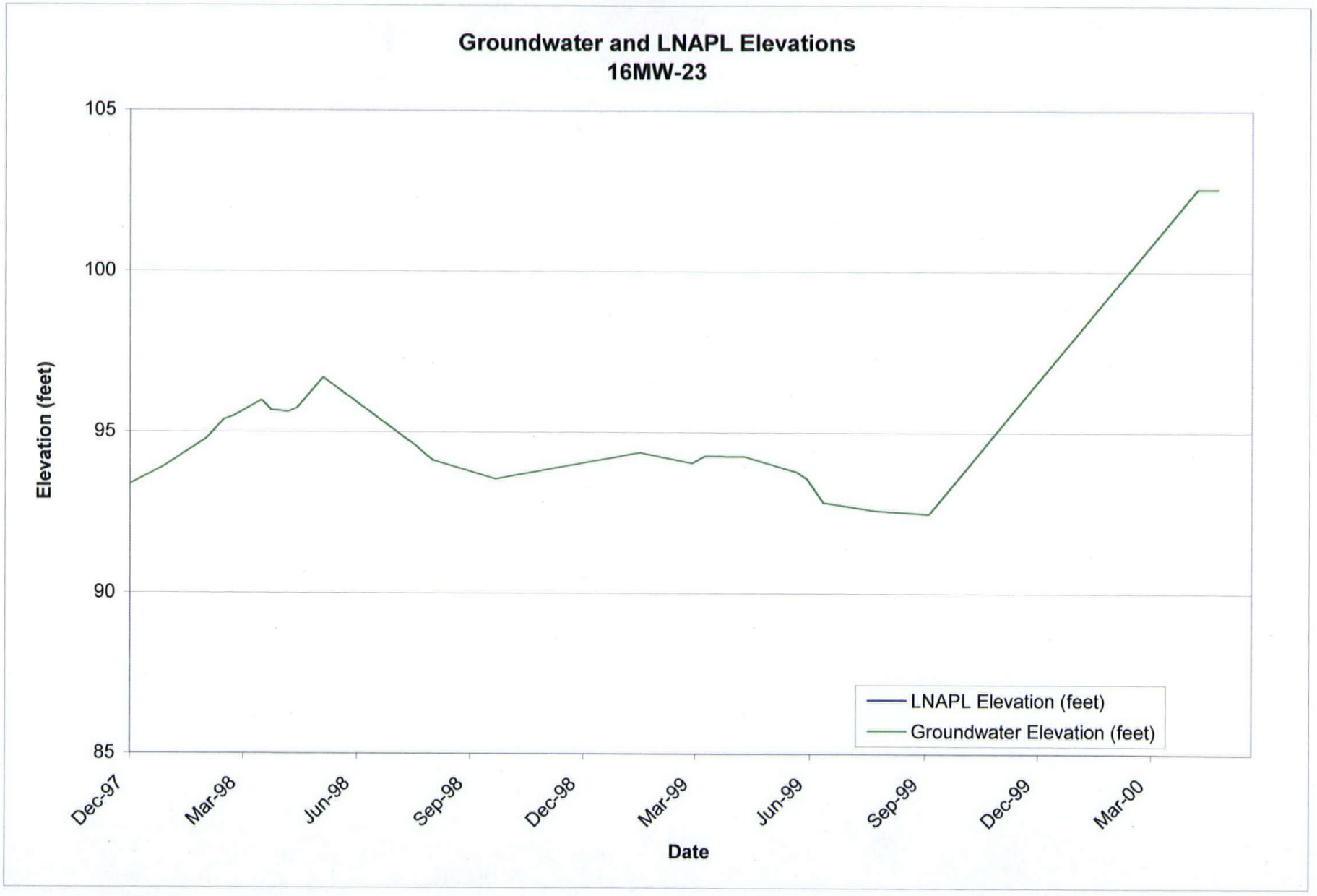
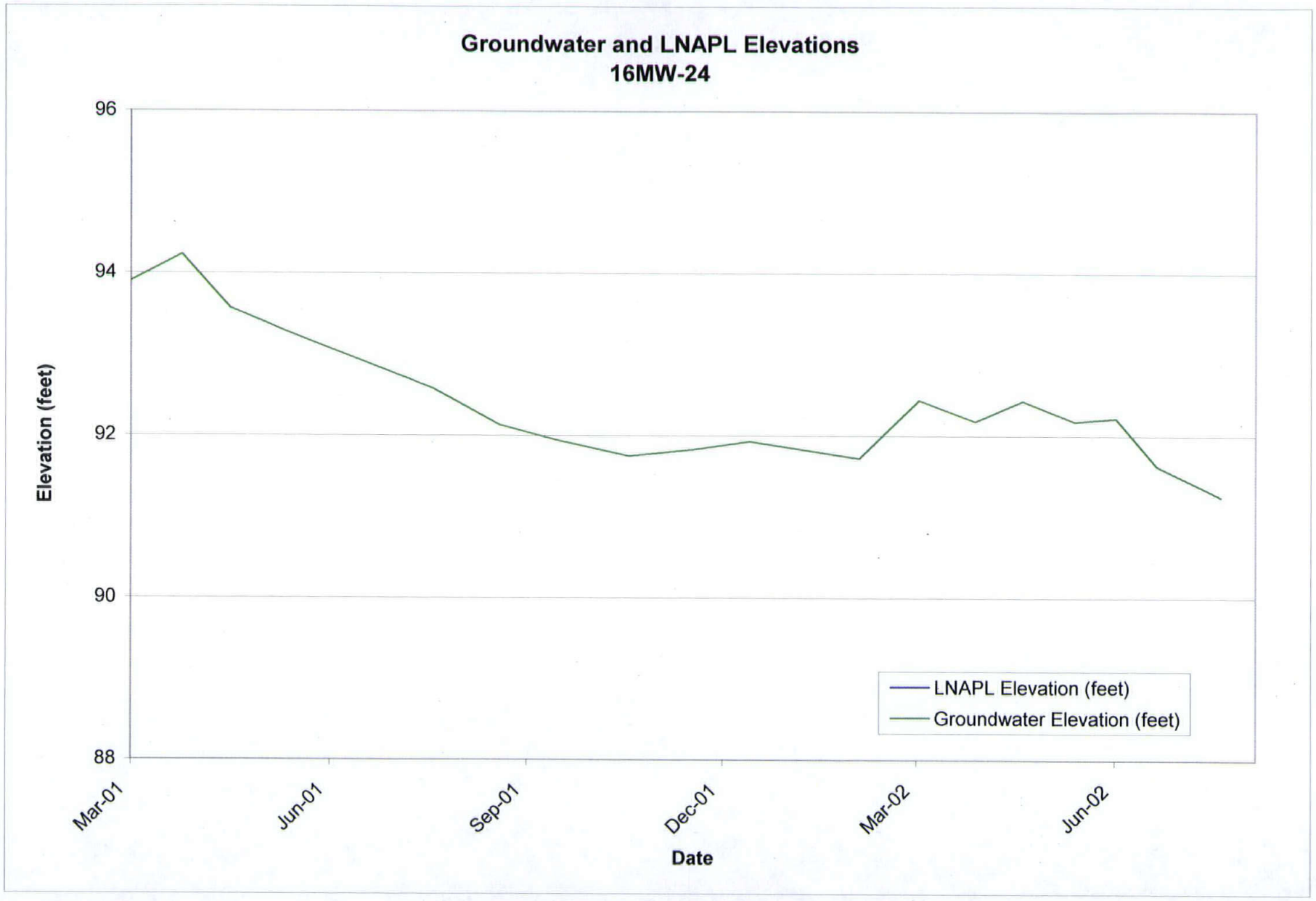
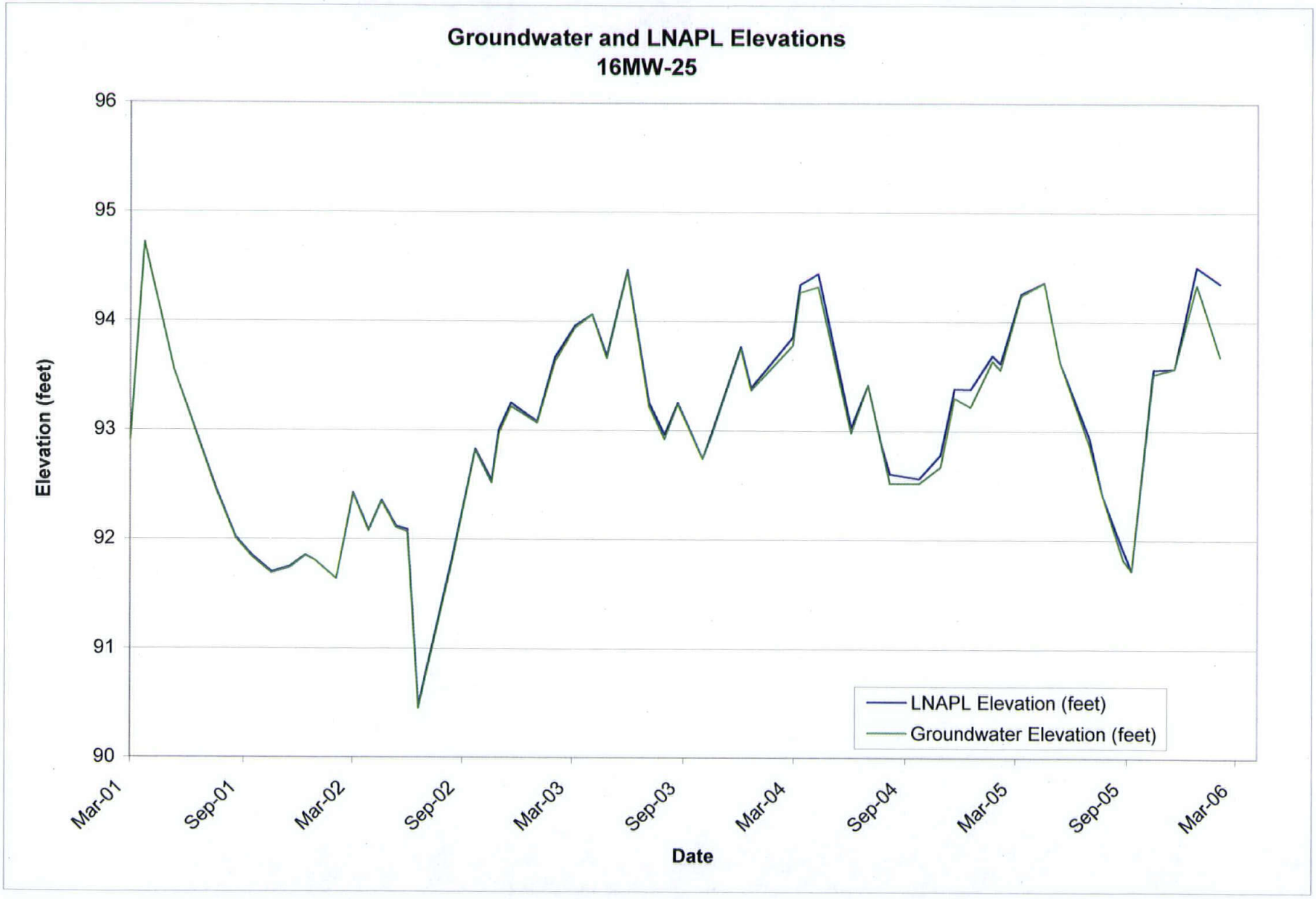
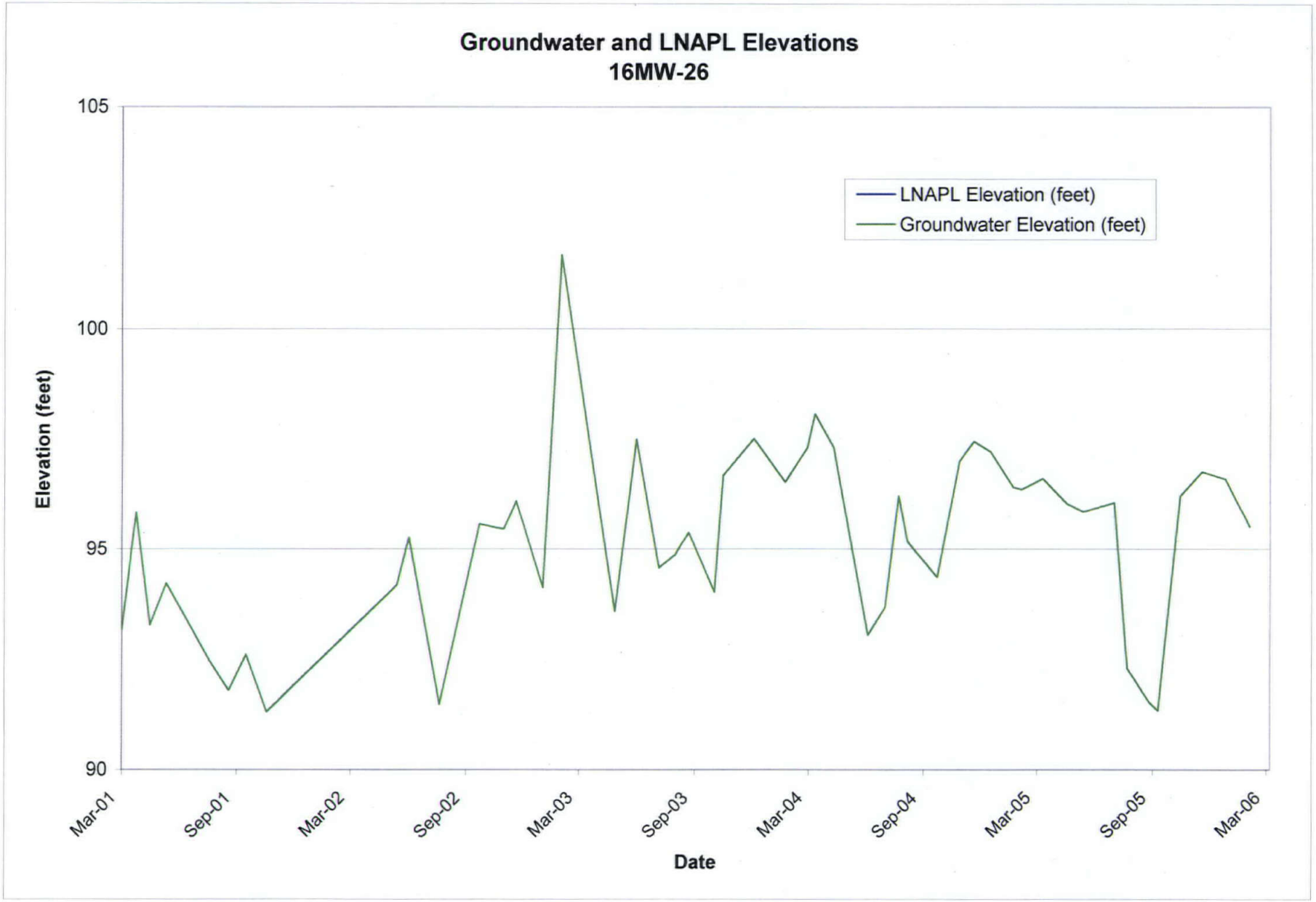
Aug-04
Feb-05
Aug-05
Feb-06
Date

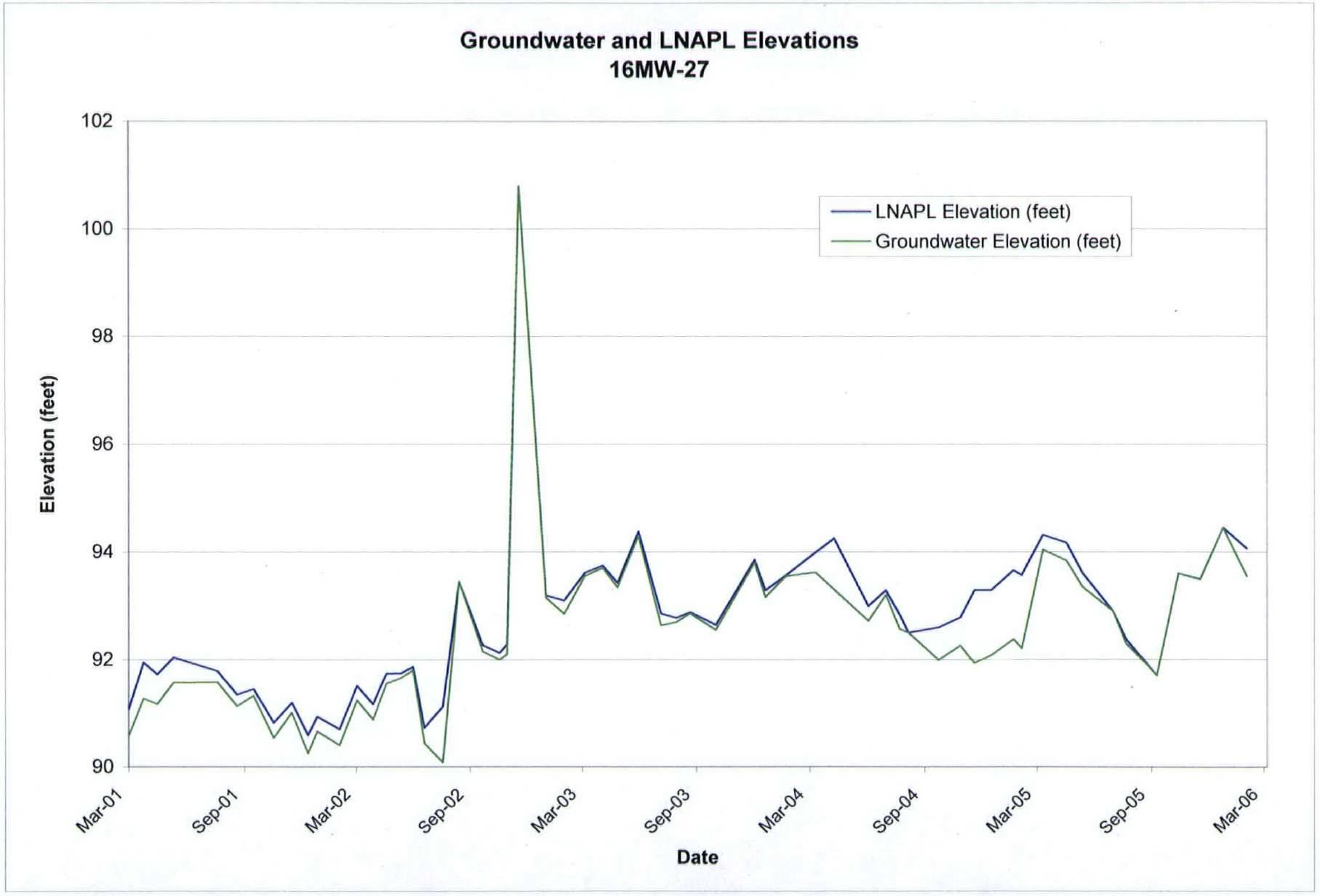

Groundwater and LNAPL Elevations
16MW-22
Elevation (feet)
102
100
98
96
94
92
90
Dec-97
Mar-98
Jun-98
Sep-98
Dec-98
Mar-99
Jun-99
Sep-99
Dec-99
Mar-00
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)

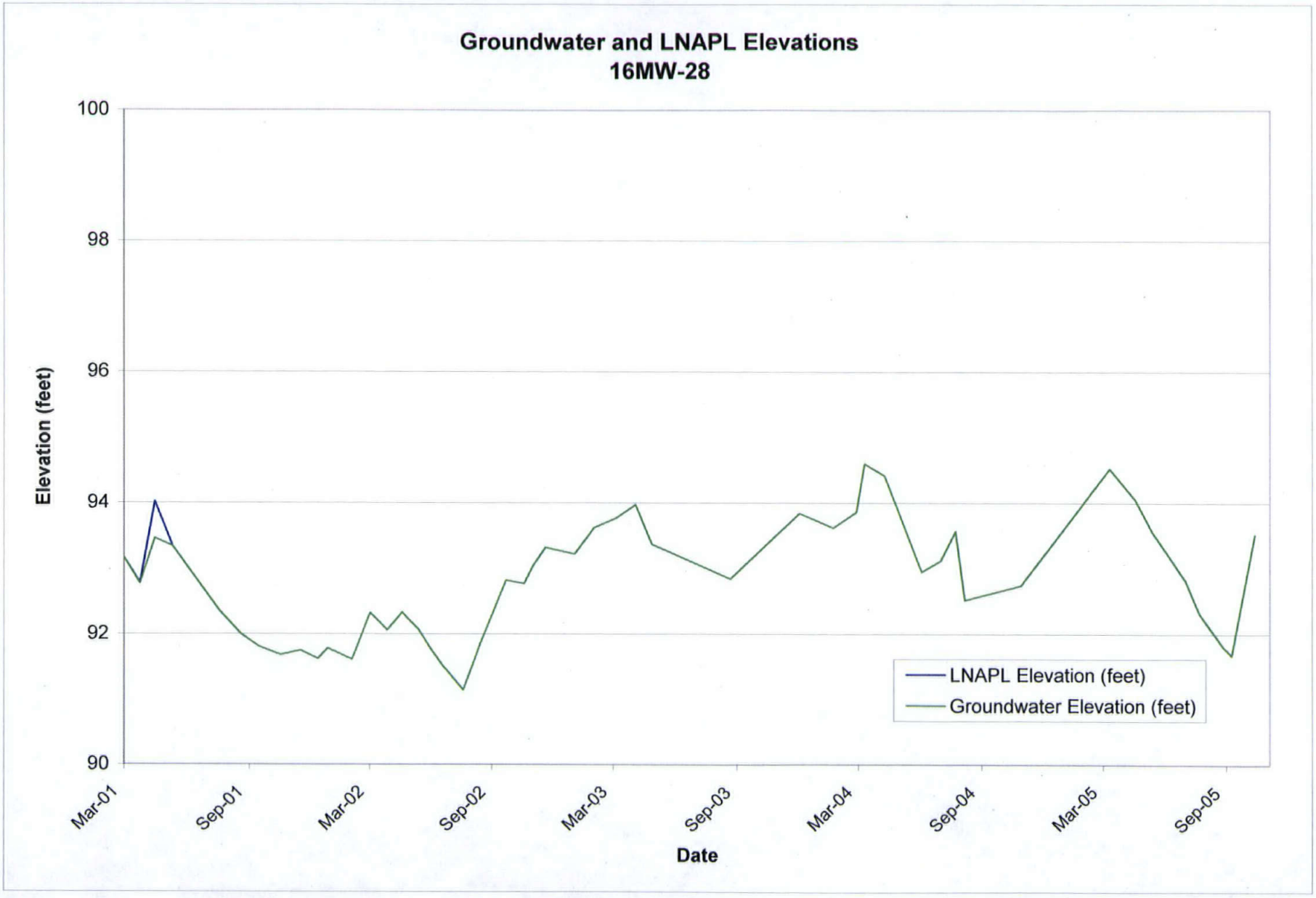

Groundwater and LNAPL Elevations
16MW-23
105
100
95
90
85
Elevation (feet)
Dec-97
Mar-98
Jun-98
Sep-98
Dec-98
Mar-99
Jun-99
Sep-99
Dec-99
Mar-00
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)

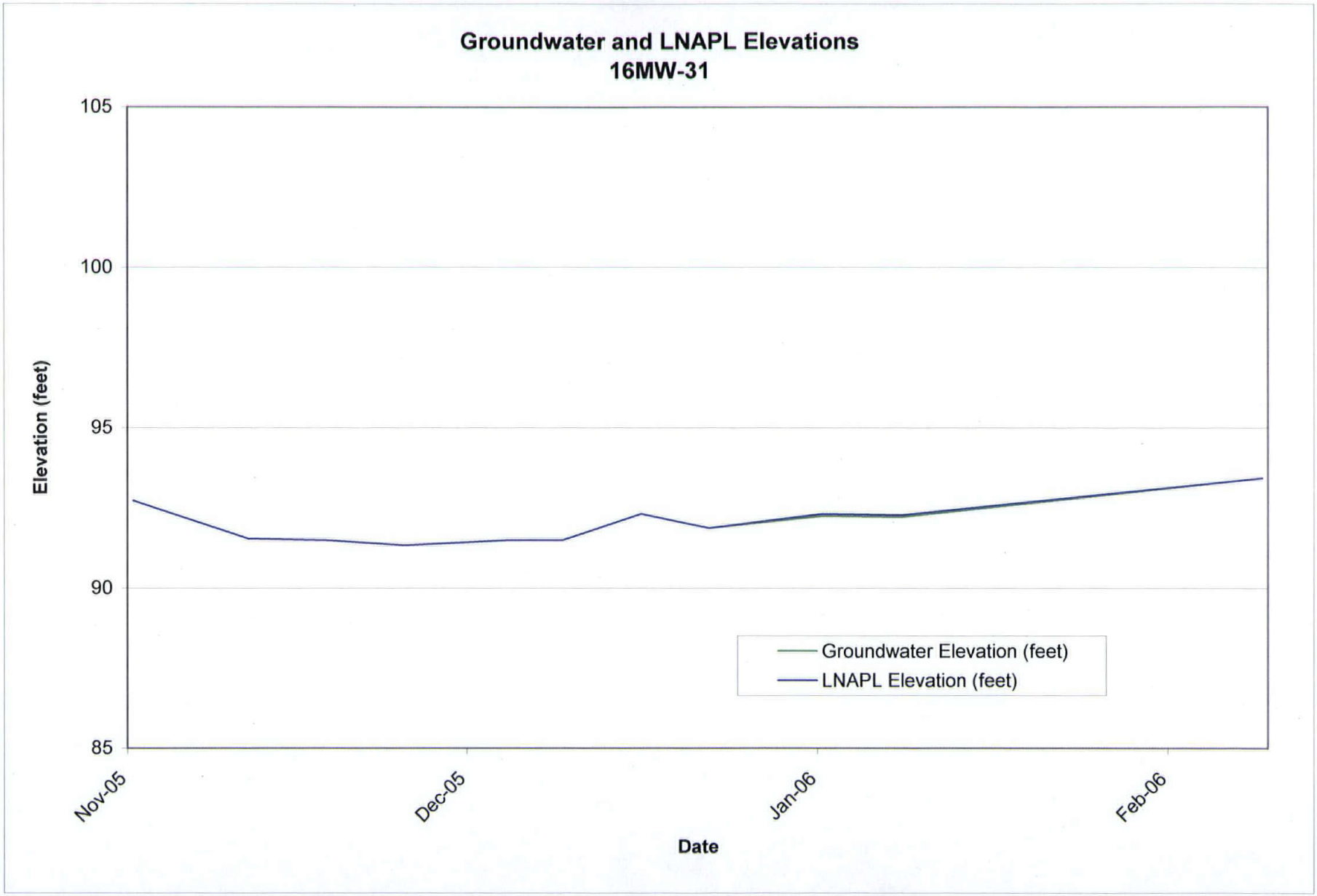

Groundwater and LNAPL Elevations
16MW-24
96
94
92
90
88
Elevation (feet)
Mar-01
Jun-01
Sep-01
Dec-01
Mar-02
Jun-02
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)

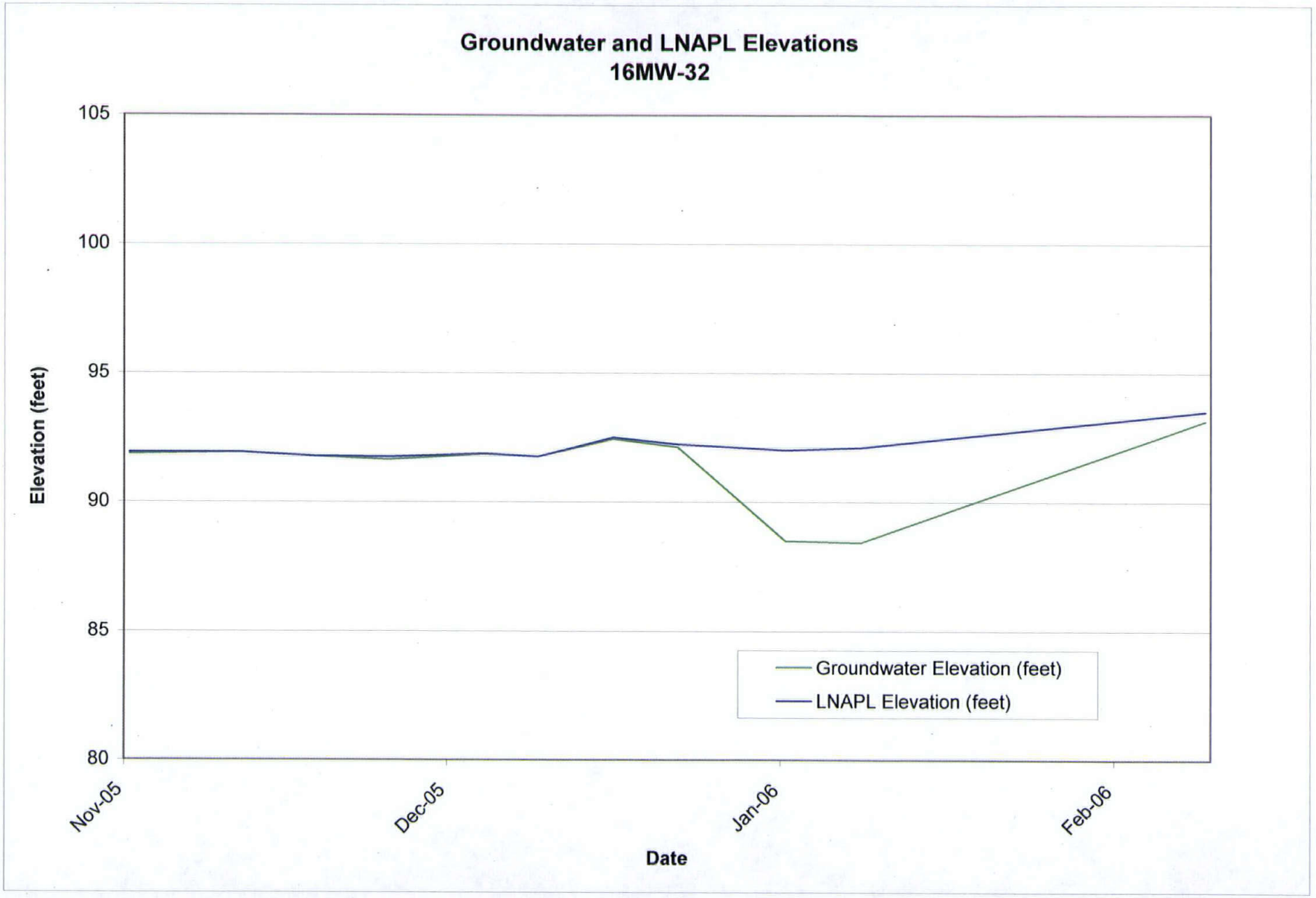

Groundwater and LNAPL Elevations
16MW-25
Elevation (feet)
96
95
94
93
92
91
90
Mar-01
Sep-01
Mar-02
Sep-02
Mar-03
Sep-03
Mar-04
Sep-04
Mar-05
Sep-05
Mar-06
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)

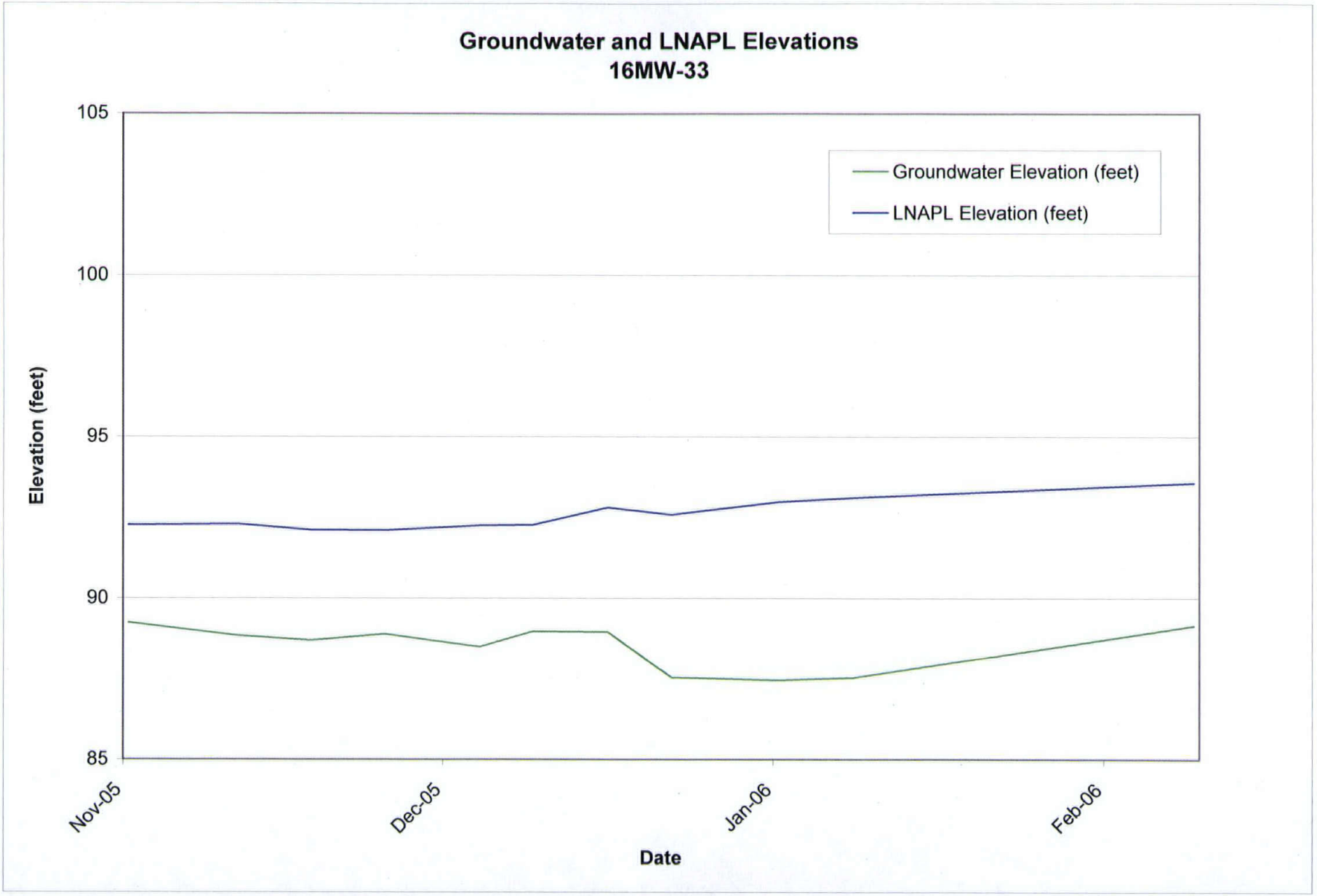

Groundwater and LNAPL Elevations
16MW-26
105
100
95
90
Elevation (feet)
LNAPL Elevation (feet)
Groundwater Elevation (feet)
Mar-01
Sep-01
Mar-02
Sep-02
Mar-03
Sep-03
Mar-04
Sep-04
Mar-05
Sep-05
Mar-06
Date

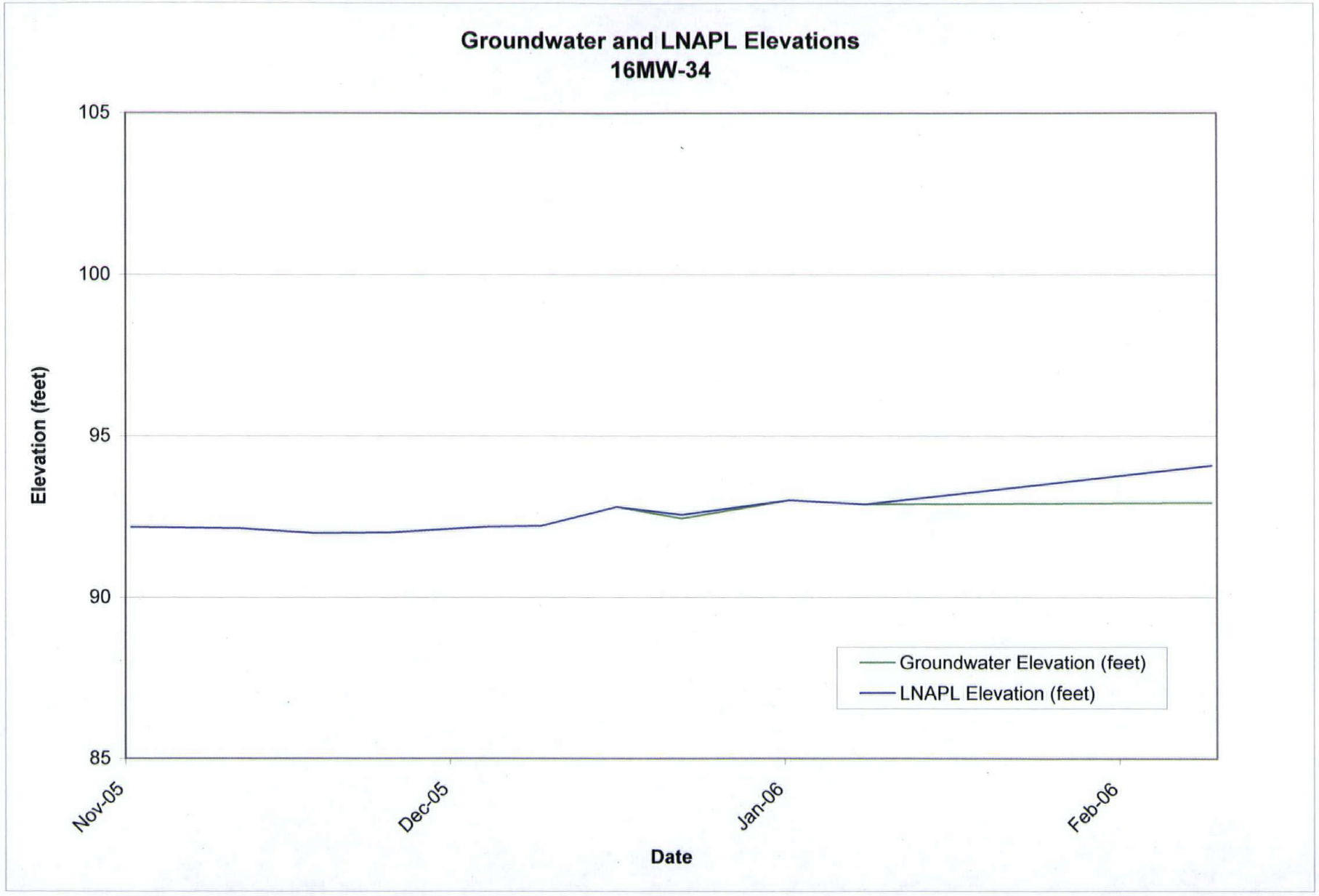

Groundwater and LNAPL Elevations
16MW-27
LNAPL Elevation (feet)
Groundwater Elevation (feet)
Elevation (feet)
102
100
98
96
94
92
90
Mar-01
Sep-01
Mar-02
Sep-02
Mar-03
Sep-03
Mar-04
Sep-04
Mar-05
Sep-05
Mar-06
Date

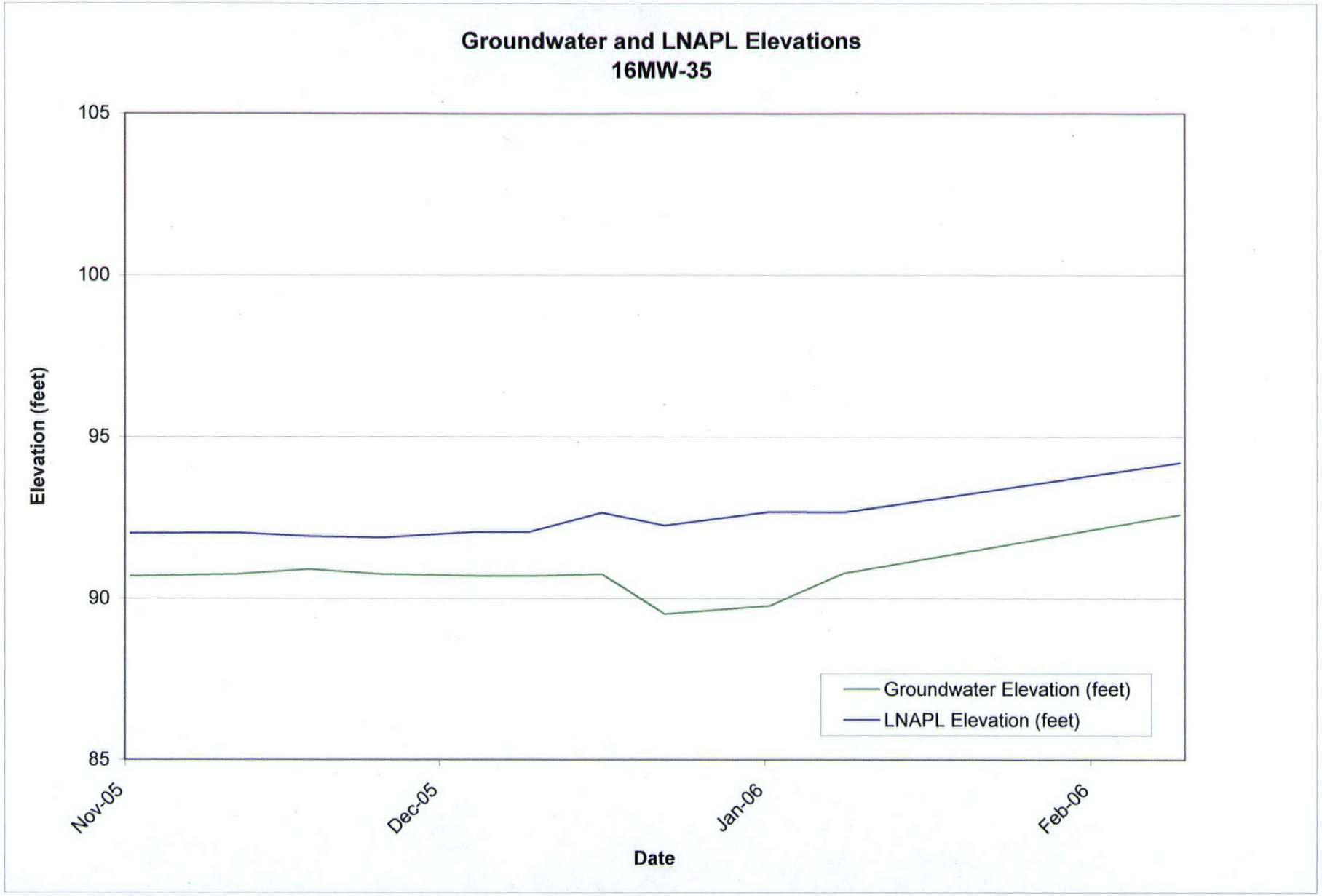

Groundwater and LNAPL Elevations
16MW-28
Elevation (feet)
100
98
96
94
92
90
Mar-01
Sep-01
Mar-02
Sep-02
Mar-03
Sep-03
Mar-04
Sep-04
Mar-05
Sep-05
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)

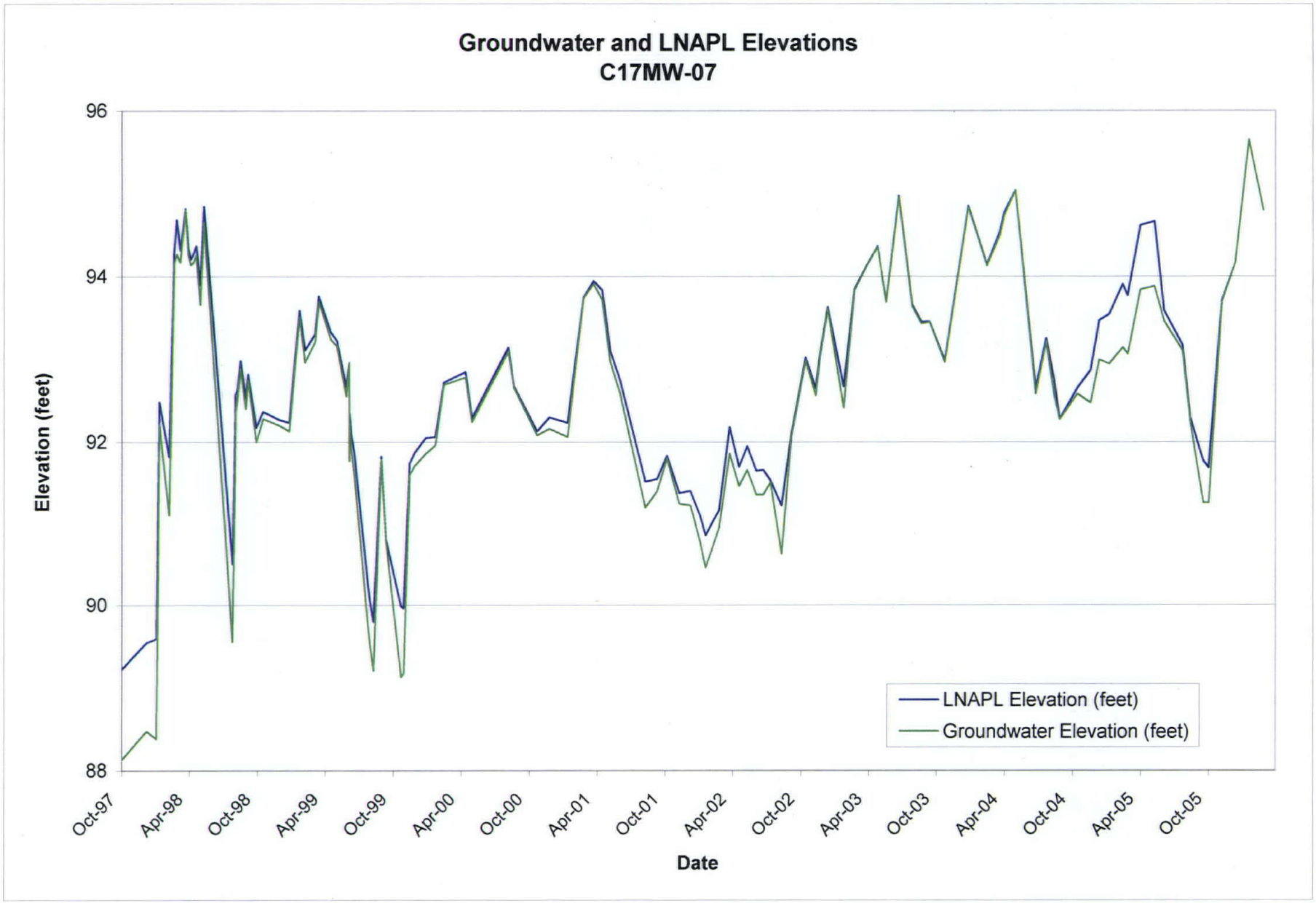

Groundwater and LNAPL Elevations
16MW-31
105
100
95
90
85
Elevation (feet)
Nov-05
Dec-05
Jan-06
Feb-06
Date
Groundwater Elevation (feet)
LNAPL Elevation (feet)


Groundwater and LNAPL Elevations
16MW-32
105
100
95
90
85
80
Elevation (feet)
Nov-05
Dec-05
Jan-06
Feb-06
Date
Groundwater Elevation (feet)
LNAPL Elevation (feet)


Groundwater and LNAPL Elevations
16MW-33
Groundwater Elevation (feet)
LNAPL Elevation (feet)
Elevation (feet)
105
100
95
90
85
Nov-05
Dec-05
Jan-06
Feb-06
Date


Groundwater and LNAPL Elevations
16MW-34
105
100
95
90
85
Elevation (feet)
Nov-05
Dec-05
Jan-06
Feb-06
Date
Groundwater Elevation (feet)
LNAPL Elevation (feet)


Groundwater and LNAPL Elevations
16MW-35
105
100
95
90
85
Elevation (feet)
Nov-05
Dec-05
Jan-06
Feb-06
Date
Groundwater Elevation (feet)
LNAPL Elevation (feet)


Groundwater and LNAPL Elevations
C17MW-07
96
94
92
90
88
Elevation (feet)
Oct-97
Apr-98
Oct-98
Apr-99
Oct-99
Apr-00
Oct-00
Apr-01
Oct-01
Apr-02
Oct-02
Apr-03
Oct-03
Apr-04
Oct-04
Apr-05
Oct-05
Date
LNAPL Elevation (feet)
Groundwater Elevation (feet)

APPENDIX C
ANALYTICAL SUMMARY TABLES FOR VAPOR DISCHARGES AND LABORATORY ANALYTICAL DATA

APPENDIX C

U.S. Navy SBE O&M Contract No. N62472-03-D-0802
Naval Weapons Station-Earle: Bioslurper Unit No. 1
Analytical Results of Air Samples

Bioslurper Unit #1

SAMPLE NO. BS #1 Final Effluent Sample Date: 12/7/2005 Compound	Molecular Weight (lbs/lbs-mol)	Conversion Constant (cu. ft/lbs-mol)	Time Conversion (min/hr)	Weekly Flow Rate (cu. ft/min)	Compound Conc. (ppm(v))	Output Rate (lbs/hr)	Emission Limits (lbs/hr)
Chloromethane	50.5	384.6	60.0	15.0	0.000	0.00E+00	
Bromomethane	94.9	384.6	60.0	15.0	0.000	0.00E+00	
Vinyl Chloride	62.5	384.6	60.0	15.0	0.000	0.00E+00	
Chloroethane	64.5	384.6	60.0	15.0	0.000	0.00E+00	
Freon 11	137.4	384.6	60.0	15.0	0.000	0.00E+00	
1,1-Dichloroethene	96.9	384.6	60.0	15.0	0.000	0.00E+00	
Freon 113	170.9	384.6	60.0	15.0	0.000	0.00E+00	
Methylene Chloride	84.9	384.6	60.0	15.0	0.000	0.00E+00	
1,1-Dichloroethane	99.0	384.6	60.0	15.0	0.000	0.00E+00	
trans-1,2-Dichloroethene	96.9	384.6	60.0	15.0	0.000	0.00E+00	
cis-1,2-Dichloroethene	96.9	384.6	60.0	15.0	0.000	0.00E+00	
Chloroform	119.4	384.6	60.0	15.0	0.000	0.00E+00	
1,1,1-Trichloroethane	133.4	384.6	60.0	15.0	0.000	0.00E+00	
Carbon Tetrachloride	153.8	384.6	60.0	15.0	0.000	0.00E+00	
Benzene	78.1	384.6	60.0	15.0	0.000	**0.00E+00**	**1.00E-02**
1,2-Dichloroethane	99 0	384.6	60.0	15.0	0.000	0.00E+00	
Trichloroethene	131.4	384.6	60.0	15.0	0.000	0.00E+00	
1,2-Dichloropropane	113.0	384.6	60.0	15.0	0.000	0.00E+00	
trans-1,3-Dichloropropene	111.0	384.6	60.0	15.0	0.000	0.00E+00	
Toluene	92.0	384.6	60.0	15.0	0.000	0.00E+00	
cis-1,3-Dichloropropene	111.0	384.6	60.0	15.0	0.000	0.00E+00	
1,1,2-Trichloroethane	133.4	384.6	60.0	15.0	0.000	0.00E+00	
Tetrachloroethene	165.8	384.6	60.0	15.0	0.000	0.00E+00	
Ethylene Dibromide	187.9	384.6	60.0	15.0	0.000	0.00E+00	
Chlorobenzene	112 6	384.6	60.0	15.0	0.000	0.00E+00	
Ethylbenzene	106.2	384.6	60.0	15.0	0.000	0.00E+00	
m,p-Xylenes	106.2	384.6	60.0	15.0	0.000	0.00E+00	
o-Xylene	106.2	384.6	60.0	15.0	0.000	0.00E+00	
Styrene	104.2	384.6	60.0	15.0	0.000	0.00E+00	
1,1,2,2-Tetrachlorethane	167.9	384.6	60.0	15.0	0.000	0.00E+00	
1,3,5-Trimethylbenzene	120.2	384.6	60.0	15.0	0.000	0.00E+00	
1,2,4-Trimethylbenzene	120.2	384.6	60.0	15.0	0.000	0.00E+00	
1,3-Dichlorobenzene	147.0	384.6	60.0	15.0	0.000	0.00E+00	
1,4-Dichlorobenzene	147.0	384.6	60.0	15.0	0.000	0.00E+00	
Chlorotoluene	126.6	384.6	60.0	15.0	0.000	0.00E+00	
1,2-Dichlorobenzene	147.0	384.6	60.0	15.0	0.000	0.00E+00	
Acetone	58.1	384.6	60.0	15.0	0.000	0.00E+00	
2-Butanone	72.1	384.6	60.0	15.0	0.000	0.00E+00	
4-methyl-2-pentanone	100.2	384.6	60.0	15.0	0.000	0.00E+00	
2-Hexanone	100.2	384.6	60.0	15.0	0.000	0.00E+00	
				Total Emissions:	**0.000**	**0.00E+00**	**5.00E-02**

Formula: Output Rate per Compound = $\frac{(\text{Mol. Wt.})\times(\text{Time Conv.})\times(\text{Concentration})\times(\text{Flow Rate})}{(\text{Conv. Constant})\times 10^{6}}$

APPENDIX C

U.S. Navy SBE O&M Contract No N62472-03-D-0802
Naval Weapons Station-Earle: Bioslurper Unit No. 2
Analytical Results of Air Samples

Bioslurper Unit #2

SAMPLE NO. BS #2 Final Effluent Sample Date: December 2005 - Deactivated Compound	Molecular Weight (lbs/lbs-mol)	Conversion Constant (cu. ft/lbs-mol)	Time Conversion (min/hr)	Weekly Flow Rate (cu. ft/min)	Compound Conc. (ppm(v))	Output Rate (lbs/hr)	Emission Limits (lbs/hr)
Chloromethane	50.5	384.6	60.0	0.0	0.000	0.00E+00	
Bromomethane	94.9	384.6	60.0	0.0	0.000	0.00E+00	
Vinyl Chloride	62.5	384.6	60.0	0.0	0.000	0.00E+00	
Chloroethane	64.5	384.6	60.0	0.0	0.000	0.00E+00	
Freon 11	137.4	384.6	60.0	0.0	0.000	0.00E+00	
1,1-Dichloroethene	96.9	384.6	60.0	0.0	0.000	0.00E+00	
Freon 113	170.9	384.6	60.0	0.0	0.000	0.00E+00	
Methylene Chloride	84.9	384.6	60.0	0.0	0.000	0.00E+00	
1,1-Dichloroethane	99.0	384.6	60.0	0.0	0.000	0.00E+00	
trans-1,2-Dichloroethene	96.9	384.6	60.0	0.0	0.000	0.00E+00	
cis-1,2-Dichloroethene	96.9	384.6	60.0	0.0	0.000	0.00E+00	
Chloroform	119.4	384.6	60.0	0.0	0.000	0.00E+00	
1,1,1-Trichloroethane	133.4	384.6	60.0	0.0	0.000	0.00E+00	
Carbon Tetrachloride	153.8	384.6	60.0	0.0	0.000	0.00E+00	
Benzene	78.1	384.6	60.0	0.0	0.000	0.00E+00	1.00E-02
1,2-Dichloroethane	99.0	384.6	60.0	0.0	0.000	0.00E+00	
Trichloroethene	131.4	384.6	60.0	0.0	0.000	0.00E+00	
1,2-Dichloropropane	113.0	384.6	60.0	0.0	0.000	0.00E+00	
trans-1,3-Dichloropropene	111.0	384.6	60 0	0.0	0.000	0.00E+00	
Toluene	92.0	384.6	60.0	0.0	0.000	0.00E+00	
cis-1,3-Dichloropropene	111.0	384.6	60.0	0.0	0.000	0.00E+00	
1,1,2-Trichloroethane	133.4	384.6	60.0	0.0	0.000	0.00E+00	
Tetrachloroethene	165 8	384.6	60.0	0.0	0.000	0.00E+00	
Ethylene Dibromide	187.9	384.6	60.0	0.0	0.000	0.00E+00	
Chlorobenzene	112.6	384.6	60.0	0.0	0.000	0.00E+00	
Ethylbenzene	106.2	384.6	60.0	0.0	0.000	0.00E+00	
m,p-Xylenes	106.2	384.6	60.0	0.0	0.000	0.00E+00	
o-Xylene	106.2	384.6	60.0	0.0	0.000	0.00E+00	
Styrene	104.2	384.6	60.0	0.0	0.000	0.00E+00	
1,1,2,2-Tetrachlorethane	167.9	384.6	60.0	0.0	0.000	0.00E+00	
1,3,5-Trimethylbenzene	120.2	384.6	60.0	0.0	0.000	0.00E+00	
1,2,4-Trimethylbenzene	120.2	384.6	60.0	0.0	0.000	0.00E+00	
1,3-Dichlorobenzene	147.0	384.6	60.0	0.0	0.000	0.00E+00	
1,4-Dichlorobenzene	147.0	384.6	60.0	0.0	0.000	0.00E+00	
Chlorotoluene	126.6	384.6	60.0	0.0	0.000	0.00E+00	
1,2-Dichlorobenzene	147.0	384.6	60.0	0.0	0.000	0.00E+00	
Acetone	58.1	384.6	60.0	0.0	0.000	0.00E+00	
2-Butanone	72.1	384.6	60.0	0.0	0.000	0.00E+00	
4-methyl-2-pentanone	100.2	384.6	60.0	0.0	0.000	0.00E+00	
2-Hexanone	100.2	384.6	60.0	0.0	0.000	0.00E+00	
			Total Emissions:		**0.000**	**0.00E+00**	**5.00E-02**

Formula: Output Rate per Compound = $\frac{(\text{Mol. Wt.})\times(\text{Time Conv.})\times(\text{Concentration})\times(\text{Flow Rate})}{(\text{Conv. Constant})\times 10^{6}}$

APPENDIX C

U.S. Navy SBE O&M Contract No. N62472-03-D-0802
Naval Weapons Station-Earle: Bioslurper Unit No. 1
Analytical Results of Air Samples

Bioslurper Unit #1

SAMPLE NO. BS #1 Final Effluent Sample Date: 1/20/2006 Compound	Molecular Weight (lbs/lbs-mol)	Conversion Constant (cu. ft/lbs-mol)	Time Conversion (min/hr)	Weekly Flow Rate (cu. ft/min)	Compound Conc. (ppm(v))	Output Rate (lbs/hr)	Emission Limits (lbs/hr)
Chloromethane	50.5	384.6	60.0	15.0	0.000	0.00E+00	
Bromomethane	94.9	384.6	60.0	15.0	0.000	0.00E+00	
Vinyl Chloride	62.5	384.6	60.0	15.0	0.000	0.00E+00	
Chloroethane	64.5	384.6	60.0	15.0	0.000	0.00E+00	
Freon 11	137.4	384.6	60.0	15.0	0.000	0.00E+00	
1,1-Dichloroethene	96.9	384.6	60.0	15.0	0.000	0.00E+00	
Freon 113	170.9	384.6	60.0	15.0	0.000	0.00E+00	
Methylene Chloride	84.9	384.6	60.0	15.0	0.000	0.00E+00	
1,1-Dichloroethane	99.0	384.6	60.0	15.0	0.000	0.00E+00	
trans-1,2-Dichloroethene	96.9	384.6	60.0	15.0	0.000	0.00E+00	
cis-1,2-Dichloroethene	96.9	384.6	60.0	15.0	0.000	0.00E+00	
Chloroform	119.4	384.6	60.0	15.0	0.000	0.00E+00	
1,1,1-Trichloroethane	133.4	384.6	60.0	15.0	0.000	0.00E+00	
Carbon Tetrachloride	153.8	384.6	60.0	15.0	0.000	0.00E+00	
Benzene	78.1	384.6	60.0	15.0	0.000	**0.00E+00**	**1.00E-02**
1,2-Dichloroethane	99.0	384.6	60.0	15.0	0.000	0.00E+00	
Trichloroethene	131.4	384.6	60.0	15.0	0.000	0.00E+00	
1,2-Dichloropropane	113.0	384.6	60.0	15.0	0.000	0.00E+00	
trans-1,3-Dichloropropene	111.0	384.6	60.0	15.0	0.000	0.00E+00	
Toluene	92.0	384.6	60.0	15.0	0.000	0.00E+00	
cis-1,3-Dichloropropene	111.0	384.6	60.0	15.0	0.000	0.00E+00	
1,1,2-Trichloroethane	133.4	384.6	60.0	15.0	0.000	0.00E+00	
Tetrachloroethene	165.8	384.6	60.0	15.0	0.000	0.00E+00	
Ethylene Dibromide	187.9	384.6	60.0	15.0	0.000	0.00E+00	
Chlorobenzene	112.6	384.6	60.0	15.0	0.000	0.00E+00	
Ethylbenzene	106.2	384.6	60.0	15.0	0.000	0.00E+00	
m,p-Xylenes	106.2	384.6	60.0	15.0	0.000	0.00E+00	
o-Xylene	106.2	384.6	60.0	15.0	0.000	0.00E+00	
Styrene	104.2	384.6	60.0	15.0	0.000	0.00E+00	
1,1,2,2-Tetrachlorethane	167.9	384.6	60.0	15.0	0.000	0.00E+00	
1,3,5-Trimethylbenzene	120.2	384.6	60.0	15.0	0.000	0.00E+00	
1,2,4-Trimethylbenzene	120.2	384.6	60.0	15.0	0.000	0.00E+00	
1,3-Dichlorobenzene	147.0	384.6	60.0	15.0	0.000	0.00E+00	
1,4-Dichlorobenzene	147.0	384.6	60.0	15.0	0.000	0.00E+00	
Chlorotoluene	126.6	384.6	60.0	15.0	0.000	0.00E+00	
1,2-Dichlorobenzene	147.0	384.6	60.0	15.0	0.000	0.00E+00	
Acetone	58.1	384.6	60.0	15.0	0.000	0.00E+00	
2-Butanone	72.1	384.6	60.0	15.0	0.000	0.00E+00	
4-methyl-2-pentanone	100.2	384.6	60.0	15.0	0.000	0.00E+00	
2-Hexanone	100.2	384.6	60.0	15.0	0.000	0.00E+00	
			Total Emissions:		**0.000**	**0.00E+00**	**5.00E-02**

Formula: Output Rate per Compound = $\frac{(\text{Mol. Wt.})\times(\text{Time Conv.})\times(\text{Concentration})\times(\text{Flow Rate})}{(\text{Conv. Constant})\times 10^{6}}$

APPENDIX C

U.S. Navy SBE O&M Contract No. N62472-03-D-0802
Naval Weapons Station-Earle: Bioslurper Unit No. 2
Analytical Results of Air Samples

Bioslurper Unit #2

SAMPLE NO. BS #2 Final Effluent **Sample Date:** January 2006 - Deactivated **Compound**	**Molecular Weight (lbs/lbs-mol)**	**Conversion Constant (cu. ft/lbs-mol)**	**Time Conversion (min/hr)**	**Weekly Flow Rate (cu. ft/min)**	**Compound Conc. (ppm(v))**	**Output Rate (lbs/hr)**	**Emission Limits (lbs/hr)**
Chloromethane	50.5	384.6	60.0	0.0	0.000	0.00E+00	
Bromomethane	94.9	384.6	60.0	0.0	0.000	0.00E+00	
Vinyl Chloride	62.5	384.6	60.0	0.0	0.000	0.00E+00	
Chloroethane	64.5	384.6	60.0	0.0	0.000	0.00E+00	
Freon 11	137.4	384.6	60.0	0.0	0.000	0.00E+00	
1,1-Dichloroethene	96.9	384.6	60.0	0.0	0.000	0.00E+00	
Freon 113	170.9	384.6	60.0	0.0	0.000	0.00E+00	
Methylene Chloride	84.9	384.6	60.0	0.0	0.000	0.00E+00	
1,1-Dichloroethane	99.0	384.6	60.0	0.0	0.000	0.00E+00	
trans-1,2-Dichloroethene	96.9	384.6	60.0	0.0	0.000	0.00E+00	
cis-1,2-Dichloroethene	96.9	384.6	60.0	0.0	0.000	0.00E+00	
Chloroform	119.4	384.6	60.0	0.0	0.000	0.00E+00	
1,1,1-Trichloroethane	133.4	384.6	60.0	0.0	0.000	0.00E+00	
Carbon Tetrachloride	153.8	384.6	60.0	0.0	0.000	0.00E+00	
Benzene	78.1	384.6	60.0	0.0	0.000	**0.00E+00**	**1.00E-02**
1,2-Dichloroethane	99.0	384.6	60.0	0.0	0.000	0.00E+00	
Trichloroethene	131.4	384.6	60.0	0.0	0.000	0.00E+00	
1,2-Dichloropropane	113.0	384.6	60.0	0.0	0.000	0.00E+00	
trans-1,3-Dichloropropene	111.0	384.6	60.0	0.0	0.000	0.00E+00	
Toluene	92.0	384.6	60.0	0.0	0.000	0.00E+00	
cis-1,3-Dichloropropene	111.0	384.6	60.0	0.0	0.000	0.00E+00	
1,1,2-Trichloroethane	133.4	384.6	60.0	0.0	0.000	0.00E+00	
Tetrachloroethene	165.8	384.6	60.0	0.0	0.000	0.00E+00	
Ethylene Dibromide	187.9	384.6	60.0	0.0	0.000	0.00E+00	
Chlorobenzene	112.6	384.6	60.0	0.0	0.000	0.00E+00	
Ethylbenzene	106.2	384.6	60.0	0.0	0.000	0.00E+00	
m,p-Xylenes	106.2	384.6	60.0	0.0	0.000	0.00E+00	
o-Xylene	106.2	384.6	60.0	0.0	0.000	0.00E+00	
Styrene	104.2	384.6	60.0	0.0	0.000	0.00E+00	
1,1,2,2-Tetrachlorethane	167.9	384.6	60.0	0.0	0.000	0.00E+00	
1,3,5-Trimethylbenzene	120.2	384.6	60.0	0.0	0.000	0.00E+00	
1,2,4-Trimethylbenzene	120.2	384.6	60.0	0.0	0.000	0.00E+00	
1,3-Dichlorobenzene	147.0	384.6	60.0	0.0	0.000	0.00E+00	
1,4-Dichlorobenzene	147.0	384.6	60.0	0.0	0.000	0.00E+00	
Chlorotoluene	126.6	384.6	60.0	0.0	0.000	0.00E+00	
1,2-Dichlorobenzene	147.0	384.6	60.0	0.0	0.000	0.00E+00	
Acetone	58.1	384.6	60.0	0.0	0.000	0.00E+00	
2-Butanone	72.1	384.6	60.0	0.0	0.000	0.00E+00	
4-methyl-2-pentanone	100.2	384.6	60.0	0.0	0.000	0.00E+00	
2-Hexanone	100.2	384.6	60.0	0.0	0.000	0.00E+00	
			Total Emissions:		**0.000**	**0.00E+00**	**5.00E-02**

Formula: Output Rate per Compound = $\frac{(\text{Mol. Wt.})\times(\text{Time Conv.})\times(\text{Concentration})\times(\text{Flow Rate})}{(\text{Conv. Constant})\times 10^{6}}$

APPENDIX C

U.S. Navy SBE O&M Contract No. N62472-03-D-0802
Naval Weapons Station-Earle: Bioslurper Unit No. 1
Analytical Results of Air Samples

Bioslurper Unit #1

SAMPLE NO. BS #1 Final Effluent Sample Date: 2/23/2006 Compound	Molecular Weight (lbs/lbs-mol)	Conversion Constant (cu. ft/lbs-mol)	Time Conversion (min/hr)	Weekly Flow Rate (cu. ft/min)	Compound Conc. (ppm(v))	Output Rate (lbs/hr)	Emission Limits (lbs/hr)
Chloromethane	50.5	384.6	60.0	15.0	0.000	0.00E+00	
Bromomethane	94.9	384.6	60.0	15.0	0.000	0.00E+00	
Vinyl Chloride	62.5	384.6	60.0	15.0	0.000	0.00E+00	
Chloroethane	64.5	384.6	60.0	15.0	0.000	0.00E+00	
Freon 11	137.4	384.6	60.0	15.0	0.000	0.00E+00	
1,1-Dichloroethene	96.9	384.6	60.0	15.0	0.000	0.00E+00	
Freon 113	170.9	384 6	60.0	15.0	0.000	0.00E+00	
Methylene Chloride	84.9	384.6	60.0	15.0	0.000	0.00E+00	
1,1-Dichloroethane	99.0	384.6	60.0	15.0	0.000	0.00E+00	
trans-1,2-Dichloroethene	96.9	384.6	60.0	15.0	0.000	0.00E+00	
cis-1,2-Dichloroethene	96.9	384.6	60.0	15.0	0.000	0.00E+00	
Chloroform	119.4	384.6	60.0	15.0	0.000	0.00E+00	
1,1,1-Trichloroethane	133.4	384.6	60.0	15.0	0.000	0.00E+00	
Carbon Tetrachloride	153.8	384.6	60.0	15.0	0.000	0.00E+00	
Benzene	78.1	384.6	60.0	15.0	0.000	**0.00E+00**	**1.00E-02**
1,2-Dichloroethane	99.0	384.6	60.0	15.0	0.000	0.00E+00	
Trichloroethene	131.4	384.6	60.0	15.0	0.000	0.00E+00	
1,2-Dichloropropane	113.0	384.6	60.0	15.0	0.000	0.00E+00	
trans-1,3-Dichloropropene	111.0	384.6	60.0	15.0	0.000	0.00E+00	
Toluene	92.0	384.6	60.0	15.0	0.000	0.00E+00	
cis-1,3-Dichloropropene	111.0	384.6	60.0	15.0	0.000	0.00E+00	
1,1,2-Trichloroethane	133.4	384.6	60.0	15.0	0.000	0.00E+00	
Tetrachloroethene	165.8	384.6	60.0	15.0	0.000	0.00E+00	
Ethylene Dibromide	187.9	384.6	60.0	15.0	0.000	0.00E+00	
Chlorobenzene	112.6	384.6	60.0	15.0	0.000	0.00E+00	
Ethylbenzene	106.2	384.6	60.0	15.0	0.000	0.00E+00	
m,p-Xylenes	106.2	384.6	60.0	15.0	0.000	0.00E+00	
o-Xylene	106.2	384.6	60.0	15.0	0.000	0.00E+00	
Styrene	104.2	384.6	60.0	15.0	0.000	0.00E+00	
1,1,2,2-Tetrachlorethane	167.9	384.6	60.0	15.0	0.000	0.00E+00	
1,3,5-Trimethylbenzene	120.2	384.6	60.0	15.0	0.000	0.00E+00	
1,2,4-Trimethylbenzene	120.2	384.6	60.0	15.0	0.000	0.00E+00	
1,3-Dichlorobenzene	147.0	384.6	60.0	15.0	0.000	0.00E+00	
1,4-Dichlorobenzene	147.0	384.6	60.0	15.0	0.000	0.00E+00	
Chlorotoluene	126.6	384.6	60.0	15.0	0.000	0.00E+00	
1,2-Dichlorobenzene	147.0	384.6	60.0	15.0	0.000	0.00E+00	
Acetone	58.1	384.6	60.0	15.0	0.000	0.00E+00	
2-Butanone	72.1	384.6	60.0	15.0	0.003	4.39E-07	
4-methyl-2-pentanone	100.2	384.6	60.0	15.0	0.000	0.00E+00	
2-Hexanone	100.2	384.6	60.0	15.0	0.000	0.00E+00	
			Total Emissions:		**0.003**	**4.39E-07**	**5.00E-02**

Formula: Output Rate per Compound = $\frac{(\text{Mol. Wt.})\times(\text{Time Conv.})\times(\text{Concentration})\times(\text{Flow Rate})}{(\text{Conv. Constant})\times 10^{6}}$

APPENDIX C

U.S. Navy SBE O&M Contract No. N62472-03-D-0802
Naval Weapons Station-Earle: Bioslurper Unit No. 2
Analytical Results of Air Samples

Bioslurper Unit #2

SAMPLE NO. BS #2 Final Effluent **Sample Date:** February 2006 - Deactivated **Compound**	**Molecular Weight (lbs/lbs-mol)**	**Conversion Constant (cu. ft/lbs-mol)**	**Time Conversion (min/hr)**	**Weekly Flow Rate (cu. ft/min)**	**Compound Conc. (ppm(v))**	**Output Rate (lbs/hr)**	**Emission Limits (lbs/hr)**
Chloromethane	50.5	384.6	60.0	0.0	0.000	0.00E+00	
Bromomethane	94.9	384.6	60.0	0.0	0.000	0.00E+00	
Vinyl Chloride	62.5	384.6	60.0	0.0	0.000	0.00E+00	
Chloroethane	64.5	384.6	60.0	0.0	0.000	0.00E+00	
Freon 11	137.4	384.6	60.0	0.0	0.000	0.00E+00	
1,1-Dichloroethene	96.9	384.6	60.0	0.0	0.000	0.00E+00	
Freon 113	170.9	384.6	60.0	0.0	0.000	0.00E+00	
Methylene Chloride	84.9	384.6	60.0	0.0	0.000	0.00E+00	
1,1-Dichloroethane	99.0	384.6	60.0	0.0	0.000	0.00E+00	
trans-1,2-Dichloroethene	96.9	384.6	60.0	0.0	0.000	0.00E+00	
cis-1,2-Dichloroethene	96.9	384.6	60.0	0.0	0.000	0.00E+00	
Chloroform	119.4	384.6	60.0	0.0	0.000	0.00E+00	
1,1,1-Trichloroethane	133.4	384.6	60.0	0.0	0.000	0.00E+00	
Carbon Tetrachloride	153.8	384.6	60.0	0.0	0.000	0.00E+00	
Benzene	78.1	384.6	60.0	0.0	0.000	**0.00E+00**	**1.00E-02**
1,2-Dichloroethane	99.0	384.6	60.0	0.0	0.000	0.00E+00	
Trichloroethene	131.4	384.6	60.0	0.0	0.000	0.00E+00	
1,2-Dichloropropane	113.0	384.6	60.0	0.0	0.000	0.00E+00	
trans-1,3-Dichloropropene	111.0	384.6	60.0	0.0	0.000	0.00E+00	
Toluene	92.0	384.6	60.0	0.0	0.000	0.00E+00	
cis-1,3-Dichloropropene	111.0	384.6	60.0	0.0	0.000	0.00E+00	
1,1,2-Trichloroethane	133.4	384.6	60.0	0.0	0.000	0.00E+00	
Tetrachloroethene	165.8	384.6	60.0	0.0	0.000	0.00E+00	
Ethylene Dibromide	187.9	384.6	60.0	0.0	0.000	0.00E+00	
Chlorobenzene	112.6	384.6	60.0	0.0	0.000	0.00E+00	
Ethylbenzene	106.2	384.6	60.0	0.0	0.000	0.00E+00	
m,p-Xylenes	106.2	384.6	60.0	0.0	0.000	0.00E+00	
o-Xylene	106.2	384.6	60.0	0.0	0.000	0.00E+00	
Styrene	104.2	384.6	60.0	0.0	0.000	0.00E+00	
1,1,2,2-Tetrachlorethane	167.9	384.6	60.0	0.0	0.000	0.00E+00	
1,3,5-Trimethylbenzene	120.2	384.6	60.0	0.0	0.000	0.00E+00	
1,2,4-Trimethylbenzene	120.2	384.6	60.0	0.0	0.000	0.00E+00	
1,3-Dichlorobenzene	147.0	384.6	60.0	0.0	0.000	0.00E+00	
1,4-Dichlorobenzene	147.0	384.6	60.0	0.0	0.000	0.00E+00	
Chlorotoluene	126.6	384.6	60.0	0.0	0.000	0.00E+00	
1,2-Dichlorobenzene	147.0	384.6	60.0	0.0	0.000	0.00E+00	
Acetone	58.1	384.6	60.0	0.0	0.000	0.00E+00	
2-Butanone	72.1	384.6	60.0	0.0	0.000	0.00E+00	
4-methyl-2-pentanone	100.2	384.6	60.0	0.0	0.000	0.00E+00	
2-Hexanone	100.2	384.6	60.0	0.0	0.000	0.00E+00	
			Total Emissions:		**0.000**	**0.00E+00**	**5.00E-02**

Formula: Output Rate per Compound = $\frac{\text{(Mol. Wt.)x(Time Conv.)x(Concentration)x(Flow Rate)}}{\text{(Conv. Constant)x}10^6}$

APPENDIX C
NWS-EARLE
BIOSLURPER UNIT #1 AND #2
TPH REMOVED VIA VAPOR EXTRACTION

BIOSLURPER UNIT 1		
OPERATED (hours):	154.5	
AVERAGE FLOW RATE (cfm):	15	
TPH CONCENTRATION (mg/m^3):	940	
(as per analytical) **12/7/2005**		
	8.16	=POUNDS OF TPH

BIOSLURPER UNIT 2		
OPERATED (hours):	0	
AVERAGE FLOW RATE (cfm):	0	
TPH CONCENTRATION (mg/m^3):		
(as per analytical) **Dec 2005 - Deactivated**		
	0.00	=POUNDS OF TPH

POUNDS OF TPH=
AVERAGE FLOW RATE (cfm) * $0.02832 m^3/ft^3$ * **TPH CONC**(mg/m^3) * 0.001g/mg * 0.002205 lbs/g * 60 min/hr * **OPERATED** (hours)

APPENDIX C
NWS-EARLE
BIOSLURPER UNIT #1 AND #2
TPH REMOVED VIA VAPOR EXTRACTION

BIOSLURPER UNIT 1

OPERATED (hours):	150	
AVERAGE FLOW RATE (cfm):	15	
TPH CONCENTRATION (mg/m^3):	450	
(as per analytical)	**1/20/2006**	
	3.79	=POUNDS OF TPH

BIOSLURPER UNIT 2

OPERATED (hours):	0	
AVERAGE FLOW RATE (cfm):	0	
TPH CONCENTRATION (mg/m^3):		
(as per analytical)	**Jan 2006 - Deactivated**	
	0.00	=POUNDS OF TPH

POUNDS OF TPH=
AVERAGE FLOW RATE (cfm) * $0.02832 m^3/ft^3$ * **TPH CONC**(mg/m^3) * 0.001g/mg * 0.002205 lbs/g * 60 min/hr * **OPERATED** (hours)

APPENDIX C
NWS-EARLE
BIOSLURPER UNIT #1 AND #2
TPH REMOVED VIA VAPOR EXTRACTION

BIOSLURPER UNIT 1		
OPERATED (hours):	86	
AVERAGE FLOW RATE (cfm):	15	
TPH CONCENTRATION (mg/m^3):	160	
(as per analytical) **2/23/2006**		
	0.77	=POUNDS OF TPH

BIOSLURPER UNIT 2		
OPERATED (hours):	0	
AVERAGE FLOW RATE (cfm):	0	
TPH CONCENTRATION (mg/m^3):		
(as per analytical) **Feb 2006 - Deactivated**		
	0.00	=POUNDS OF TPH

POUNDS OF TPH=
AVERAGE FLOW RATE (cfm) * 0.02832m^3/ft^3 * **TPH CONC**(mg/m^3) * 0.001g/mg * 0.002205 lbs/g * 60 min/hr * **OPERATED** (hours)

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

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Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

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Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Contact Person: Rich Evans
Company: ECOR Solutions, Inc. Email:
Address: 1045 Andrew Dr. City: Westchester State: PA Zip: 19380
Phone: 610-431-8731 Fax: 610-431-2852
Collected by: (Signature)

Project Info:
P.O. #: NO 100.171
Project #:
Project Name: NWS Earle

Turn Around Time:
☑ Normal
☐ Rush
specify

Lab Use Only
Pressurized by: DS
Date: 12/13/05
Pressurization Gas: (N) He

Lab I.D.	Field Sample I.D. (Location)	Can#	Date	Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt (psi)	Final (psi)
01A	Influent	9418	12-7-05	14:25	T03 + T014			0.95	5.0
02A	Final Effluent	24231	↓	14:20	T03 + T014			0.95	5.0

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	12-7-05 14:45	Judy Sea air	12/8/05 1020
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Customer Seals Intact?	Work Order #
	FedEx	8553 8960 7962	–	good	Yes No None	0512225

Form 1203 rev.10

AIR TOXICS LTD.

Client Sample ID: Influent

Lab ID#: 0512225B-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d121406	Date of Collection:	12/7/05
Dil. Factor:	62.0	Date of Analysis:	12/14/05 10:08 AM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (C5+ Hydrocarbons) ref. to Gasoline	1.6	6.3	230	940

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	128	75-150

AIR TOXICS LTD.

Client Sample ID: Final Effluent

Lab ID#: 0512225B-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d121405	Date of Collection:	12/7/05
Dil. Factor:	1.30	Date of Analysis:	12/14/05 09:35 AM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (C5+ Hydrocarbons) ref. to Gasoline	0.032	0.13	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	109	75-150

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0512225B-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d121404	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	12/14/05 08:59 AM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (C5+ Hydrocarbons) ref. to Gasoline	0.025	0.10	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	107	75-150

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0512225B-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d121420	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	12/14/05 08:15 PM

Compound	%Recovery
TPH (C5+ Hydrocarbons) ref. to Gasoline	94

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	128	75-150

AIR TOXICS LTD.

Client Sample ID: Influent

Lab ID#: 0512225A-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1121824	Date of Collection:	12/7/05
Dil. Factor:	25.4	Date of Analysis:	12/19/05 05:47 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	13	Not Detected	63	Not Detected
Freon 114	13	Not Detected	89	Not Detected
Chloromethane	51	Not Detected	100	Not Detected
Vinyl Chloride	13	Not Detected	32	Not Detected
1,3-Butadiene	13	Not Detected	28	Not Detected
Bromomethane	13	Not Detected	49	Not Detected
Chloroethane	13	Not Detected	34	Not Detected
Freon 11	13	Not Detected	71	Not Detected
Ethanol	51	Not Detected	96	Not Detected
Freon 113	13	Not Detected	97	Not Detected
1,1-Dichloroethene	13	Not Detected	50	Not Detected
Acetone	51	Not Detected	120	Not Detected
2-Propanol	51	Not Detected	120	Not Detected
Carbon Disulfide	13	Not Detected	40	Not Detected
3-Chloropropene	51	Not Detected	160	Not Detected
Methylene Chloride	13	Not Detected	44	Not Detected
Methyl tert-butyl ether	13	Not Detected	46	Not Detected
trans-1,2-Dichloroethene	13	Not Detected	50	Not Detected
Hexane	13	3500	45	12000
1,1-Dichloroethane	13	Not Detected	51	Not Detected
2-Butanone (Methyl Ethyl Ketone)	13	Not Detected	37	Not Detected
cis-1,2-Dichloroethene	13	Not Detected	50	Not Detected
Tetrahydrofuran	13	15	37	45
Chloroform	13	Not Detected	62	Not Detected
1,1,1-Trichloroethane	13	Not Detected	69	Not Detected
Cyclohexane	13	1100	44	3800
Carbon Tetrachloride	13	Not Detected	80	Not Detected
2,2,4-Trimethylpentane	13	790	59	3700
Benzene	13	1000	40	3300
1,2-Dichloroethane	13	Not Detected	51	Not Detected
Heptane	13	1900	52	7800
Trichloroethene	13	Not Detected	68	Not Detected
1,2-Dichloropropane	13	Not Detected	59	Not Detected
1,4-Dioxane	51	Not Detected	180	Not Detected
Bromodichloromethane	13	Not Detected	85	Not Detected
cis-1,3-Dichloropropene	13	Not Detected	58	Not Detected
4-Methyl-2-pentanone	13	Not Detected	52	Not Detected
Toluene	13	92	48	340
trans-1,3-Dichloropropene	13	Not Detected	58	Not Detected
1,1,2-Trichloroethane	13	Not Detected	69	Not Detected
Tetrachloroethene	13	Not Detected	86	Not Detected
2-Hexanone	51	Not Detected	210	Not Detected

AIR TOXICS LTD.

Client Sample ID: Influent

Lab ID#: 0512225A-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1121824	Date of Collection:	12/7/05
Dil. Factor:	25.4	Date of Analysis:	12/19/05 05:47 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Dibromochloromethane	13	Not Detected	110	Not Detected
1,2-Dibromoethane (EDB)	13	Not Detected	98	Not Detected
Chlorobenzene	13	Not Detected	58	Not Detected
Ethyl Benzene	13	1200	55	5300
m,p-Xylene	13	3200	55	14000
o-Xylene	13	420	55	1800
Styrene	13	20	54	83
Bromoform	13	Not Detected	130	Not Detected
Cumene	13	320	62	1600
1,1,2,2-Tetrachloroethane	13	Not Detected	87	Not Detected
Propylbenzene	13	550	62	2700
4-Ethyltoluene	13	2000	62	9900
1,3,5-Trimethylbenzene	13	820	62	4000
1,2,4-Trimethylbenzene	13	2600	62	13000
1,3-Dichlorobenzene	13	Not Detected	76	Not Detected
1,4-Dichlorobenzene	13	Not Detected	76	Not Detected
alpha-Chlorotoluene	13	Not Detected	66	Not Detected
1,2-Dichlorobenzene	13	Not Detected	76	Not Detected
1,2,4-Trichlorobenzene	51	Not Detected	380	Not Detected
Hexachlorobutadiene	51	Not Detected	540	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	106	70-130

AIR TOXICS LTD.

Client Sample ID: Final Effluent

Lab ID#: 0512225A-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1121822	Date of Collection:	12/7/05
Dil. Factor:	1.30	Date of Analysis:	12/19/05 04:22 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.65	Not Detected	3.2	Not Detected
Freon 114	0.65	Not Detected	4.5	Not Detected
Chloromethane	2.6	Not Detected	5.4	Not Detected
Vinyl Chloride	0.65	Not Detected	1.7	Not Detected
1,3-Butadiene	0.65	Not Detected	1.4	Not Detected
Bromomethane	0.65	Not Detected	2.5	Not Detected
Chloroethane	0.65	Not Detected	1.7	Not Detected
Freon 11	0.65	Not Detected	3.6	Not Detected
Ethanol	2.6	Not Detected	4.9	Not Detected
Freon 113	0.65	Not Detected	5.0	Not Detected
1,1-Dichloroethene	0.65	Not Detected	2.6	Not Detected
Acetone	2.6	Not Detected	6.2	Not Detected
2-Propanol	2.6	Not Detected	6.4	Not Detected
Carbon Disulfide	0.65	1.4	2.0	4.3
3-Chloropropene	2.6	Not Detected	8.1	Not Detected
Methylene Chloride	0.65	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	0.65	Not Detected	2.3	Not Detected
trans-1,2-Dichloroethene	0.65	Not Detected	2.6	Not Detected
Hexane	0.65	Not Detected	2.3	Not Detected
1,1-Dichloroethane	0.65	Not Detected	2.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.65	Not Detected	1.9	Not Detected
cis-1,2-Dichloroethene	0.65	Not Detected	2.6	Not Detected
Tetrahydrofuran	0.65	Not Detected	1.9	Not Detected
Chloroform	0.65	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.65	Not Detected	3.5	Not Detected
Cyclohexane	0 65	Not Detected	2.2	Not Detected
Carbon Tetrachloride	0.65	Not Detected	4.1	Not Detected
2,2,4-Trimethylpentane	0.65	Not Detected	3.0	Not Detected
Benzene	0.65	Not Detected	2.1	Not Detected
1,2-Dichloroethane	0.65	Not Detected	2.6	Not Detected
Heptane	0.65	Not Detected	2.7	Not Detected
Trichloroethene	0.65	Not Detected	3.5	Not Detected
1,2-Dichloropropane	0.65	Not Detected	3.0	Not Detected
1,4-Dioxane	2.6	Not Detected	9.4	Not Detected
Bromodichloromethane	0.65	Not Detected	4.4	Not Detected
cis-1,3-Dichloropropene	0.65	Not Detected	3.0	Not Detected
4-Methyl-2-pentanone	0.65	Not Detected	2.7	Not Detected
Toluene	0.65	Not Detected	2.4	Not Detected
trans-1,3-Dichloropropene	0.65	Not Detected	3.0	Not Detected
1,1,2-Trichloroethane	0.65	Not Detected	3.5	Not Detected
Tetrachloroethene	0.65	Not Detected	4.4	Not Detected
2-Hexanone	2.6	Not Detected	11	Not Detected

AIR TOXICS LTD.

Client Sample ID: Final Effluent

Lab ID#: 0512225A-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1121822	Date of Collection:	12/7/05
Dil. Factor:	1.30	Date of Analysis:	12/19/05 04:22 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Dibromochloromethane	0.65	Not Detected	5.5	Not Detected
1,2-Dibromoethane (EDB)	0.65	Not Detected	5.0	Not Detected
Chlorobenzene	0.65	Not Detected	3.0	Not Detected
Ethyl Benzene	0.65	Not Detected	2.8	Not Detected
m,p-Xylene	0.65	Not Detected	2.8	Not Detected
o-Xylene	0.65	Not Detected	2.8	Not Detected
Styrene	0.65	Not Detected	2.8	Not Detected
Bromoform	0.65	Not Detected	6.7	Not Detected
Cumene	0.65	Not Detected	3.2	Not Detected
1,1,2,2-Tetrachloroethane	0.65	Not Detected	4.5	Not Detected
Propylbenzene	0.65	Not Detected	3.2	Not Detected
4-Ethyltoluene	0.65	Not Detected	3.2	Not Detected
1,3,5-Trimethylbenzene	0.65	Not Detected	3.2	Not Detected
1,2,4-Trimethylbenzene	0.65	Not Detected	3.2	Not Detected
1,3-Dichlorobenzene	0.65	Not Detected	3.9	Not Detected
1,4-Dichlorobenzene	0.65	Not Detected	3.9	Not Detected
alpha-Chlorotoluene	0.65	Not Detected	3.4	Not Detected
1,2-Dichlorobenzene	0.65	Not Detected	3.9	Not Detected
1,2,4-Trichlorobenzene	2.6	Not Detected	19	Not Detected
Hexachlorobutadiene	2.6	Not Detected	28	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	107	70-130

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0512225A-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1121805	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/18/05 02:38 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0512225A-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1121805	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	12/18/05 02:38 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	105	70-130

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0512225A-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1121802	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	12/18/05 11:47 AM

Compound	%Recovery
Freon 12	111
Freon 114	106
Chloromethane	110
Vinyl Chloride	99
1,3-Butadiene	97
Bromomethane	114
Chloroethane	121
Freon 11	109
Ethanol	98
Freon 113	97
1,1-Dichloroethene	98
Acetone	92
2-Propanol	102
Carbon Disulfide	96
3-Chloropropene	88
Methylene Chloride	101
Methyl tert-butyl ether	98
trans-1,2-Dichloroethene	93
Hexane	95
1,1-Dichloroethane	97
2-Butanone (Methyl Ethyl Ketone)	105
cis-1,2-Dichloroethene	100
Tetrahydrofuran	100
Chloroform	98
1,1,1-Trichloroethane	102
Cyclohexane	98
Carbon Tetrachloride	105
2,2,4-Trimethylpentane	98
Benzene	93
1,2-Dichloroethane	107
Heptane	100
Trichloroethene	103
1,2-Dichloropropane	98
1,4-Dioxane	98
Bromodichloromethane	106
cis-1,3-Dichloropropene	92
4-Methyl-2-pentanone	107
Toluene	96
trans-1,3-Dichloropropene	101
1,1,2-Trichloroethane	92
Tetrachloroethene	94
2-Hexanone	92

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0512225A-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1121802	Date of Collection:	NA
Dil Factor:	1.00	Date of Analysis:	12/18/05 11:47 AM

Compound	%Recovery
Dibromochloromethane	99
1,2-Dibromoethane (EDB)	88
Chlorobenzene	91
Ethyl Benzene	88
m,p-Xylene	87
o-Xylene	84
Styrene	100
Bromoform	105
Cumene	84
1,1,2,2-Tetrachloroethane	81
Propylbenzene	85
4-Ethyltoluene	87
1,3,5-Trimethylbenzene	81
1,2,4-Trimethylbenzene	77
1,3-Dichlorobenzene	84
1,4-Dichlorobenzene	78
alpha-Chlorotoluene	77
1,2-Dichlorobenzene	81
1,2,4-Trichlorobenzene	99
Hexachlorobutadiene	101

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	103	70-130

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0512225A-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1121803	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	12/18/05 12:38 PM

Compound	%Recovery
Freon 12	114
Freon 114	107
Chloromethane	113
Vinyl Chloride	102
1,3-Butadiene	115
Bromomethane	120
Chloroethane	134 Q
Freon 11	106
Ethanol	95
Freon 113	103
1,1-Dichloroethene	100
Acetone	112
2-Propanol	110
Carbon Disulfide	113
3-Chloropropene	110
Methylene Chloride	104
Methyl tert-butyl ether	131
trans-1,2-Dichloroethene	106
Hexane	109
1,1-Dichloroethane	102
2-Butanone (Methyl Ethyl Ketone)	121
cis-1,2-Dichloroethene	134 Q
Tetrahydrofuran	110
Chloroform	100
1,1,1-Trichloroethane	99
Cyclohexane	108
Carbon Tetrachloride	105
2,2,4-Trimethylpentane	117
Benzene	93
1,2-Dichloroethane	105
Heptane	109
Trichloroethene	100
1,2-Dichloropropane	99
1,4-Dioxane	94
Bromodichloromethane	113
cis-1,3-Dichloropropene	102
4-Methyl-2-pentanone	110
Toluene	101
trans-1,3-Dichloropropene	113
1,1,2-Trichloroethane	100
Tetrachloroethene	103
2-Hexanone	89

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0512225A-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1121803	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	12/18/05 12:38 PM

Compound	%Recovery
Dibromochloromethane	113
1,2-Dibromoethane (EDB)	105
Chlorobenzene	98
Ethyl Benzene	98
m,p-Xylene	101
o-Xylene	92
Styrene	121
Bromoform	110
Cumene	80
1,1,2,2-Tetrachloroethane	87
Propylbenzene	89
4-Ethyltoluene	86
1,3,5-Trimethylbenzene	80
1,2,4-Trimethylbenzene	81
1,3-Dichlorobenzene	79
1,4-Dichlorobenzene	79
alpha-Chlorotoluene	85
1,2-Dichlorobenzene	74
1,2,4-Trichlorobenzene	72
Hexachlorobutadiene	79

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	107	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

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CHAIN-OF-CUSTODY RECORD

Page ____ of ____

Contact Person: Rich Evans
Company: ECOR Solutions Email:
Address: 1075 Andrew Dr. Suite 1 City: Westchester State: PA Zip: 19380
Phone: (610) 431-8731 Fax: (610) 431-2852
Collected by: (Signature) Keith Pebler

Project Info:
P.O. #: N0,100,171
Project #:
Project Name: NWS Earle

Turn Around Time:
☑ Normal
☐ Rush
specify

Lab Use Only
Pressurized by: KB
Date: 1/23/06
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can#	Date	Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	Influent	#33	1/20/06	1400	TO3 – TO14			0.2psi	5.0psi
02A	Final Effluent	23H	1/20/06	1400	TO3 – TO14			0.2psi	5.0psi

Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	Notes:
Keith Pebler 1/20/06 16:00	[illegible] 1/23/06 945	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Customer Seals Intact?	Work Order #
	Fedex	8532 2725 5396	—	good	Yes No None	0601409

Form 1293 rev.10

AIR TOXICS LTD.

Client Sample ID: Inffluent

Lab ID#: 0601409B-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d012314	Date of Collection:	1/20/06
Dil. Factor:	10.6	Date of Analysis:	1/23/06 07:24 PM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (C5+ Hydrocarbons) ref. to Gasoline	0.26	1.1	110	450

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	114	75-150

AIR TOXICS LTD.

Client Sample ID: Final Effluent

Lab ID#: 0601409B-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d012308	Date of Collection:	1/20/06
Dil. Factor:	1.32	Date of Analysis:	1/23/06 03:39 PM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (C5+ Hydrocarbons) ref. to Gasoline	0.033	0.13	3.3	13

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	108	75-150

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0601409B-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d012304	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 1/23/06 08:41 AM	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (C5+ Hydrocarbons) ref. to Gasoline	0.025	0.10	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	108	75-150

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0601409B-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d012316	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 1/23/06 08:40 PM	

Compound	%Recovery
TPH (C5+ Hydrocarbons) ref. to Gasoline	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	124	75-150

AIR TOXICS LTD.

Client Sample ID: Inffluent

Lab ID#: 0601409A-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5012728	Date of Collection:	1/20/06
Dil. Factor:	10.6	Date of Analysis:	1/28/06 08:50 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	5.3	Not Detected	26	Not Detected
Freon 114	5.3	Not Detected	37	Not Detected
Chloromethane	21	Not Detected	44	Not Detected
Vinyl Chloride	5.3	Not Detected	14	Not Detected
1,3-Butadiene	5.3	Not Detected U J	12	Not Detected U J
Bromomethane	5.3	Not Detected	20	Not Detected
Chloroethane	5.3	Not Detected	14	Not Detected
Freon 11	5.3	Not Detected	30	Not Detected
Ethanol	21	Not Detected	40	Not Detected
Freon 113	5.3	Not Detected	41	Not Detected
1,1-Dichloroethene	5.3	Not Detected	21	Not Detected
Acetone	21	Not Detected	50	Not Detected
2-Propanol	21	Not Detected	52	Not Detected
Carbon Disulfide	5.3	Not Detected	16	Not Detected
3-Chloropropene	21	Not Detected	66	Not Detected
Methylene Chloride	5.3	Not Detected	18	Not Detected
Methyl tert-butyl ether	5.3	Not Detected	19	Not Detected
trans-1,2-Dichloroethene	5.3	Not Detected	21	Not Detected
Hexane	5.3	350	19	1200
1,1-Dichloroethane	5.3	Not Detected	21	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.3	Not Detected	16	Not Detected
cis-1,2-Dichloroethene	5.3	Not Detected	21	Not Detected
Tetrahydrofuran	5.3	28	16	82
Chloroform	5.3	Not Detected	26	Not Detected
1,1,1-Trichloroethane	5.3	Not Detected	29	Not Detected
Cyclohexane	5.3	590	18	2000
Carbon Tetrachloride	5.3	Not Detected	33	Not Detected
2,2,4-Trimethylpentane	5.3	110	25	500
Benzene	5.3	64	17	200
1,2-Dichloroethane	5.3	Not Detected	21	Not Detected
Heptane	5.3	840	22	3400
Trichloroethene	5.3	Not Detected	28	Not Detected
1,2-Dichloropropane	5.3	Not Detected	24	Not Detected
1,4-Dioxane	21	Not Detected	76	Not Detected
Bromodichloromethane	5.3	Not Detected	36	Not Detected
cis-1,3-Dichloropropene	5.3	Not Detected	24	Not Detected
4-Methyl-2-pentanone	5.3	Not Detected	22	Not Detected
Toluene	5.3	24	20	89
trans-1,3-Dichloropropene	5.3	Not Detected	24	Not Detected
1,1,2-Trichloroethane	5.3	Not Detected	29	Not Detected
Tetrachloroethene	5.3	Not Detected	36	Not Detected
2-Hexanone	21	Not Detected	87	Not Detected

AIR TOXICS LTD.

Client Sample ID: Inffluent

Lab ID#: 0601409A-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5012728	Date of Collection:	1/20/06
Dil. Factor:	10.6	Date of Analysis:	1/28/06 08:50 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Dibromochloromethane	5.3	Not Detected	45	Not Detected
1,2-Dibromoethane (EDB)	5.3	Not Detected	41	Not Detected
Chlorobenzene	5.3	Not Detected	24	Not Detected
Ethyl Benzene	5.3	740	23	3200
m,p-Xylene	5.3	1500	23	6400
o-Xylene	5.3	470	23	2000
Styrene	5.3	Not Detected	22	Not Detected
Bromoform	5.3	Not Detected	55	Not Detected
Cumene	5.3	250	26	1200
1,1,2,2-Tetrachloroethane	5.3	Not Detected	36	Not Detected
Propylbenzene	5.3	380	26	1800
4-Ethyltoluene	5.3	1400	26	6900
1,3,5-Trimethylbenzene	5.3	650	26	3200
1,2,4-Trimethylbenzene	5.3	1700	26	8500
1,3-Dichlorobenzene	5.3	Not Detected	32	Not Detected
1,4-Dichlorobenzene	5.3	Not Detected	32	Not Detected
alpha-Chlorotoluene	5.3	Not Detected	27	Not Detected
1,2-Dichlorobenzene	5.3	Not Detected	32	Not Detected
1,2,4-Trichlorobenzene	21	Not Detected	160	Not Detected
Hexachlorobutadiene	21	Not Detected	230	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	109	70-130
4-Bromofluorobenzene	98	70-130

AIR TOXICS LTD.

Client Sample ID: Final Effluent

Lab ID#: 0601409A-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5012726	Date of Collection:	1/20/06
Dil. Factor:	10.6	Date of Analysis:	1/27/06 11:25 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	5.3	Not Detected	26	Not Detected
Freon 114	5.3	Not Detected	37	Not Detected
Chloromethane	21	Not Detected	44	Not Detected
Vinyl Chloride	5.3	Not Detected	14	Not Detected
1,3-Butadiene	5.3	Not Detected U J	12	Not Detected U J
Bromomethane	5.3	Not Detected	20	Not Detected
Chloroethane	5.3	Not Detected	14	Not Detected
Freon 11	5.3	Not Detected	30	Not Detected
Ethanol	21	Not Detected	40	Not Detected
Freon 113	5.3	Not Detected	41	Not Detected
1,1-Dichloroethene	5.3	Not Detected	21	Not Detected
Acetone	21	Not Detected	50	Not Detected
2-Propanol	21	Not Detected	52	Not Detected
Carbon Disulfide	5.3	Not Detected	16	Not Detected
3-Chloropropene	21	Not Detected	66	Not Detected
Methylene Chloride	5.3	Not Detected	18	Not Detected
Methyl tert-butyl ether	5.3	Not Detected	19	Not Detected
trans-1,2-Dichloroethene	5.3	Not Detected	21	Not Detected
Hexane	5.3	15	19	54
1,1-Dichloroethane	5.3	Not Detected	21	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.3	Not Detected	16	Not Detected
cis-1,2-Dichloroethene	5.3	Not Detected	21	Not Detected
Tetrahydrofuran	5.3	Not Detected	16	Not Detected
Chloroform	5.3	Not Detected	26	Not Detected
1,1,1-Trichloroethane	5.3	Not Detected	29	Not Detected
Cyclohexane	5.3	64	18	220
Carbon Tetrachloride	5.3	Not Detected	33	Not Detected
2,2,4-Trimethylpentane	5.3	Not Detected	25	Not Detected
Benzene	5.3	Not Detected	17	Not Detected
1,2-Dichloroethane	5.3	Not Detected	21	Not Detected
Heptane	5.3	Not Detected	22	Not Detected
Trichloroethene	5.3	Not Detected	28	Not Detected
1,2-Dichloropropane	5.3	Not Detected	24	Not Detected
1,4-Dioxane	21	Not Detected	76	Not Detected
Bromodichloromethane	5.3	Not Detected	36	Not Detected
cis-1,3-Dichloropropene	5.3	Not Detected	24	Not Detected
4-Methyl-2-pentanone	5.3	Not Detected	22	Not Detected
Toluene	5.3	Not Detected	20	Not Detected
trans-1,3-Dichloropropene	5.3	Not Detected	24	Not Detected
1,1,2-Trichloroethane	5.3	Not Detected	29	Not Detected
Tetrachloroethene	5.3	Not Detected	36	Not Detected
2-Hexanone	21	Not Detected	87	Not Detected

AIR TOXICS LTD.

Client Sample ID: Final Effluent

Lab ID#: 0601409A-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5012726	Date of Collection:	1/20/06
Dil. Factor:	10.6	Date of Analysis:	1/27/06 11:25 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Dibromochloromethane	5.3	Not Detected	45	Not Detected
1,2-Dibromoethane (EDB)	5.3	Not Detected	41	Not Detected
Chlorobenzene	5.3	Not Detected	24	Not Detected
Ethyl Benzene	5.3	Not Detected	23	Not Detected
m,p-Xylene	5.3	Not Detected	23	Not Detected
o-Xylene	5.3	Not Detected	23	Not Detected
Styrene	5.3	Not Detected	22	Not Detected
Bromoform	5.3	Not Detected	55	Not Detected
Cumene	5.3	Not Detected	26	Not Detected
1,1,2,2-Tetrachloroethane	5.3	Not Detected	36	Not Detected
Propylbenzene	5.3	Not Detected	26	Not Detected
4-Ethyltoluene	5.3	Not Detected	26	Not Detected
1,3,5-Trimethylbenzene	5.3	Not Detected	26	Not Detected
1,2,4-Trimethylbenzene	5.3	Not Detected	26	Not Detected
1,3-Dichlorobenzene	5.3	Not Detected	32	Not Detected
1,4-Dichlorobenzene	5.3	Not Detected	32	Not Detected
alpha-Chlorotoluene	5.3	Not Detected	27	Not Detected
1,2-Dichlorobenzene	5.3	Not Detected	32	Not Detected
1,2,4-Trichlorobenzene	21	Not Detected	160	Not Detected
Hexachlorobutadiene	21	Not Detected	230	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	75	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	101	70-130

AIR TOXICS LTD.

Client Sample ID: Final Effluent Duplicate

Lab ID#: 0601409A-02AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5012727	Date of Collection:	1/20/06
Dil. Factor:	10.6	Date of Analysis:	1/27/06 11:48 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	5.3	Not Detected	26	Not Detected
Freon 114	5.3	Not Detected	37	Not Detected
Chloromethane	21	Not Detected	44	Not Detected
Vinyl Chloride	5.3	Not Detected	14	Not Detected
1,3-Butadiene	5.3	Not Detected U J	12	Not Detected U J
Bromomethane	5.3	Not Detected	20	Not Detected
Chloroethane	5.3	Not Detected	14	Not Detected
Freon 11	5.3	Not Detected	30	Not Detected
Ethanol	21	Not Detected	40	Not Detected
Freon 113	5.3	Not Detected	41	Not Detected
1,1-Dichloroethene	5.3	Not Detected	21	Not Detected
Acetone	21	Not Detected	50	Not Detected
2-Propanol	21	Not Detected	52	Not Detected
Carbon Disulfide	5.3	Not Detected	16	Not Detected
3-Chloropropene	21	Not Detected	66	Not Detected
Methylene Chloride	5.3	Not Detected	18	Not Detected
Methyl tert-butyl ether	5.3	Not Detected	19	Not Detected
trans-1,2-Dichloroethene	5.3	Not Detected	21	Not Detected
Hexane	5.3	16	19	56
1,1-Dichloroethane	5.3	Not Detected	21	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.3	Not Detected	16	Not Detected
cis-1,2-Dichloroethene	5.3	Not Detected	21	Not Detected
Tetrahydrofuran	5.3	Not Detected	16	Not Detected
Chloroform	5.3	Not Detected	26	Not Detected
1,1,1-Trichloroethane	5.3	Not Detected	29	Not Detected
Cyclohexane	5.3	67	18	230
Carbon Tetrachloride	5.3	Not Detected	33	Not Detected
2,2,4-Trimethylpentane	5.3	5.4	25	25
Benzene	5.3	Not Detected	17	Not Detected
1,2-Dichloroethane	5.3	Not Detected	21	Not Detected
Heptane	5.3	5.4	22	22
Trichloroethene	5.3	Not Detected	28	Not Detected
1,2-Dichloropropane	5.3	Not Detected	24	Not Detected
1,4-Dioxane	21	Not Detected	76	Not Detected
Bromodichloromethane	5.3	Not Detected	36	Not Detected
cis-1,3-Dichloropropene	5.3	Not Detected	24	Not Detected
4-Methyl-2-pentanone	5.3	Not Detected	22	Not Detected
Toluene	5.3	Not Detected	20	Not Detected
trans-1,3-Dichloropropene	5.3	Not Detected	24	Not Detected
1,1,2-Trichloroethane	5.3	Not Detected	29	Not Detected
Tetrachloroethene	5.3	Not Detected	36	Not Detected
2-Hexanone	21	Not Detected	87	Not Detected

AIR TOXICS LTD.

Client Sample ID: Final Effluent Duplicate

Lab ID#: 0601409A-02AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5012727	Date of Collection:	1/20/06
Dil. Factor:	10.6	Date of Analysis:	1/27/06 11:48 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Dibromochloromethane	5.3	Not Detected	45	Not Detected
1,2-Dibromoethane (EDB)	5.3	Not Detected	41	Not Detected
Chlorobenzene	5.3	Not Detected	24	Not Detected
Ethyl Benzene	5.3	Not Detected	23	Not Detected
m,p-Xylene	5.3	Not Detected	23	Not Detected
o-Xylene	5.3	Not Detected	23	Not Detected
Styrene	5.3	Not Detected	22	Not Detected
Bromoform	5.3	Not Detected	55	Not Detected
Cumene	5.3	Not Detected	26	Not Detected
1,1,2,2-Tetrachloroethane	5.3	Not Detected	36	Not Detected
Propylbenzene	5.3	Not Detected	26	Not Detected
4-Ethyltoluene	5.3	Not Detected	26	Not Detected
1,3,5-Trimethylbenzene	5.3	Not Detected	26	Not Detected
1,2,4-Trimethylbenzene	5.3	Not Detected	26	Not Detected
1,3-Dichlorobenzene	5.3	Not Detected	32	Not Detected
1,4-Dichlorobenzene	5.3	Not Detected	32	Not Detected
alpha-Chlorotoluene	5.3	Not Detected	27	Not Detected
1,2-Dichlorobenzene	5.3	Not Detected	32	Not Detected
1,2,4-Trichlorobenzene	21	Not Detected	160	Not Detected
Hexachlorobutadiene	21	Not Detected	230	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	78	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	99	70-130

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0601409A-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5012706	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 1/27/06 12:03 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected U J	1.1	Not Detected U J
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0601409A-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5012706	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	1/27/06 12:03 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	78	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	96	70-130

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0601409A-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5012702	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 1/27/06 09:34 AM	

Compound	%Recovery
Freon 12	87
Freon 114	96
Chloromethane	96
Vinyl Chloride	76
1,3-Butadiene	61 Q
Bromomethane	91
Chloroethane	76
Freon 11	89
Ethanol	76
Freon 113	100
1,1-Dichloroethene	80
Acetone	75
2-Propanol	76
Carbon Disulfide	84
3-Chloropropene	73
Methylene Chloride	80
Methyl tert-butyl ether	72
trans-1,2-Dichloroethene	84
Hexane	74
1,1-Dichloroethane	81
2-Butanone (Methyl Ethyl Ketone)	86
cis-1,2-Dichloroethene	82
Tetrahydrofuran	78
Chloroform	90
1,1,1-Trichloroethane	88
Cyclohexane	88
Carbon Tetrachloride	89
2,2,4-Trimethylpentane	83
Benzene	91
1,2-Dichloroethane	86
Heptane	100
Trichloroethene	93
1,2-Dichloropropane	85
1,4-Dioxane	91
Bromodichloromethane	91
cis-1,3-Dichloropropene	91
4-Methyl-2-pentanone	77
Toluene	94
trans-1,3-Dichloropropene	92
1,1,2-Trichloroethane	94
Tetrachloroethene	106
2-Hexanone	74

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0601409A-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5012702	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	1/27/06 09:34 AM

Compound	%Recovery
Dibromochloromethane	103
1,2-Dibromoethane (EDB)	94
Chlorobenzene	99
Ethyl Benzene	101
m,p-Xylene	103
o-Xylene	102
Styrene	98
Bromoform	103
Cumene	102
1,1,2,2-Tetrachloroethane	88
Propylbenzene	95
4-Ethyltoluene	105
1,3,5-Trimethylbenzene	95
1,2,4-Trimethylbenzene	95
1,3-Dichlorobenzene	98
1,4-Dichlorobenzene	96
alpha-Chlorotoluene	90
1,2-Dichlorobenzene	103
1,2,4-Trichlorobenzene	89
Hexachlorobutadiene	92

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	102	70-130

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0601409A-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5012703	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	1/27/06 09:57 AM

Compound	%Recovery
Freon 12	72
Freon 114	81
Chloromethane	72
Vinyl Chloride	62 Q
1,3-Butadiene	70
Bromomethane	78
Chloroethane	64 Q
Freon 11	72
Ethanol	68
Freon 113	88
1,1-Dichloroethene	68 Q
Acetone	77
2-Propanol	77
Carbon Disulfide	93
3-Chloropropene	72
Methylene Chloride	70
Methyl tert-butyl ether	74
trans-1,2-Dichloroethene	86
Hexane	74
1,1-Dichloroethane	70
2-Butanone (Methyl Ethyl Ketone)	87
cis-1,2-Dichloroethene	90
Tetrahydrofuran	75
Chloroform	76
1,1,1-Trichloroethane	70
Cyclohexane	87
Carbon Tetrachloride	72
2,2,4-Trimethylpentane	81
Benzene	78
1,2-Dichloroethane	73
Heptane	93
Trichloroethene	79
1,2-Dichloropropane	73
1,4-Dioxane	86
Bromodichloromethane	88
cis-1,3-Dichloropropene	89
4-Methyl-2-pentanone	76
Toluene	86
trans-1,3-Dichloropropene	84
1,1,2-Trichloroethane	84
Tetrachloroethene	96
2-Hexanone	69

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0601409A-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5012703	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	1/27/06 09:57 AM

Compound	%Recovery
Dibromochloromethane	97
1,2-Dibromoethane (EDB)	93
Chlorobenzene	88
Ethyl Benzene	92
m,p-Xylene	98
o-Xylene	92
Styrene	99
Bromoform	94
Cumene	82
1,1,2,2-Tetrachloroethane	77
Propylbenzene	87
4-Ethyltoluene	91
1,3,5-Trimethylbenzene	82
1,2,4-Trimethylbenzene	85
1,3-Dichlorobenzene	83
1,4-Dichlorobenzene	86
alpha-Chlorotoluene	88
1,2-Dichlorobenzene	84
1,2,4-Trichlorobenzene	68 Q
Hexachlorobutadiene	74

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	101	70-130

@ AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

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180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

CHAIN-OF-CUSTODY RECORD

Page ____ of ____

Contact Person: Rich Evans
Company: ECOR Solutions Inc Email:
Address: 1075 Andrew Dr Suite I City: Westchester State: PA Zip: 19380
Phone: (610) 431-8731 Fax: (610) 431-2852
Collected by: (Signature)

Project Info:
P.O. #: NO100.171
Project #:
Project Name: NWS Earle

Turn Around Time:
☐ Normal
☐ Rush
specify

Lab Use Only
Pressurized by: [illegible]
Date: 2/27/06
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can#	Date	Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	Influent	1	2/23/06	1400	TO3 - TO14			1.0psi	5.0psi
02A	Final Effluent	1	2/23/06	1400	TO3 - TO14			1.0psi	✓

Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	Notes:
Keith Pebler 2/23/06	2/24/06 0850	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Customer Seals Intact?	Work Order #
	FedEx	8532 2725 5900	NA	Good	Yes No None	

Form 1293 rev.13

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Influent

Lab ID#: 0602603B-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030321	Date of Collection:	2/23/06
Dil. Factor:	5.00	Date of Analysis:	3/3/06 08:26 PM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (C5+ Hydrocarbons) ref. to Gasoline	0.12	0.51	38	160

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	110	75-150

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Final Effluent

Lab ID#: 0602603B-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030225	Date of Collection:	2/23/06
Dil Factor:	1.25	Date of Analysis:	3/2/06 10:08 PM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (C5+ Hydrocarbons) ref. to Gasoline	0.031	0.13	0.046 B	0.19 B

B = Compound present in laboratory blank greater than reporting limit, background subtraction not performed.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	112	75-150

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0602603B-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030206	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/2/06 10:36 AM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (C5+ Hydrocarbons) ref. to Gasoline	0.025	0.10	0.050	0.20

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	106	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0602603B-03B

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030303	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/3/06 07:42 AM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (C5+ Hydrocarbons) ref. to Gasoline	0.025	0.10	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	105	75-150

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0602603B-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030204	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 3/2/06 09:30 AM	

Compound	%Recovery
TPH (C5+ Hydrocarbons) ref. to Gasoline	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	126	75-150

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0602603B-04B

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d030323	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/3/06 09:41 PM

Compound	%Recovery
TPH (C5+ Hydrocarbons) ref. to Gasoline	95

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	122	75-150

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Influent

Lab ID#: 0602603A-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1030217	Date of Collection:	2/23/06
Dil. Factor:	12.5	Date of Analysis:	3/2/06 11:32 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	6.2	Not Detected	31	Not Detected
Freon 114	6.2	Not Detected	44	Not Detected
Chloromethane	25	Not Detected	52	Not Detected
Vinyl Chloride	6.2	Not Detected	16	Not Detected
1,3-Butadiene	6.2	Not Detected	14	Not Detected
Bromomethane	6.2	Not Detected	24	Not Detected
Chloroethane	6.2	Not Detected	16	Not Detected
Freon 11	6.2	Not Detected	35	Not Detected
Ethanol	25	Not Detected	47	Not Detected
Freon 113	6.2	Not Detected	48	Not Detected
1,1-Dichloroethene	6.2	Not Detected	25	Not Detected
Acetone	25	26	59	61
2-Propanol	25	Not Detected	61	Not Detected
Carbon Disulfide	6.2	Not Detected	19	Not Detected
3-Chloropropene	25	Not Detected	78	Not Detected
Methylene Chloride	6.2	Not Detected	22	Not Detected
Methyl tert-butyl ether	6.2	Not Detected	22	Not Detected
trans-1,2-Dichloroethene	6.2	Not Detected	25	Not Detected
Hexane	6.2	92	22	320
1,1-Dichloroethane	6.2	Not Detected	25	Not Detected
2-Butanone (Methyl Ethyl Ketone)	6.2	Not Detected	18	Not Detected
cis-1,2-Dichloroethene	6.2	Not Detected	25	Not Detected
Tetrahydrofuran	6.2	1800	18	5200
Chloroform	6.2	Not Detected	30	Not Detected
1,1,1-Trichloroethane	6.2	Not Detected	34	Not Detected
Cyclohexane	6.2	110	22	380
Carbon Tetrachloride	6.2	Not Detected	39	Not Detected
2,2,4-Trimethylpentane	6.2	20	29	92
Benzene	6.2	83	20	260
1,2-Dichloroethane	6.2	Not Detected	25	Not Detected
Heptane	6.2	210	26	880
Trichloroethene	6.2	Not Detected	34	Not Detected
1,2-Dichloropropane	6.2	Not Detected	29	Not Detected
1,4-Dioxane	25	Not Detected	90	Not Detected
Bromodichloromethane	6.2	Not Detected	42	Not Detected
cis-1,3-Dichloropropene	6.2	Not Detected	28	Not Detected
4-Methyl-2-pentanone	6.2	Not Detected	26	Not Detected
Toluene	6.2	13	24	48
trans-1,3-Dichloropropene	6.2	Not Detected	28	Not Detected
1,1,2-Trichloroethane	6.2	Not Detected	34	Not Detected

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Influent

Lab ID#: 0602603A-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1030217	Date of Collection:	2/23/06
Dil. Factor:	12.5	Date of Analysis:	3/2/06 11:32 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Tetrachloroethene	6.2	Not Detected	42	Not Detected
2-Hexanone	25	Not Detected	100	Not Detected
Dibromochloromethane	6.2	Not Detected	53	Not Detected
1,2-Dibromoethane (EDB)	6.2	Not Detected	48	Not Detected
Chlorobenzene	6.2	Not Detected	29	Not Detected
Ethyl Benzene	6.2	230	27	1000
m,p-Xylene	6.2	39	27	170
o-Xylene	6.2	99	27	430
Styrene	6.2	Not Detected	27	Not Detected
Bromoform	6.2	Not Detected	65	Not Detected
Cumene	6.2	89	31	440
1,1,2,2-Tetrachloroethane	6.2	Not Detected	43	Not Detected
Propylbenzene	6.2	160	31	780
4-Ethyltoluene	6.2	260	31	1300
1,3,5-Trimethylbenzene	6.2	290	31	1400
1,2,4-Trimethylbenzene	6.2	Not Detected	31	Not Detected
1,3-Dichlorobenzene	6.2	Not Detected	38	Not Detected
1,4-Dichlorobenzene	6.2	Not Detected	38	Not Detected
alpha-Chlorotoluene	6.2	Not Detected	32	Not Detected
1,2-Dichlorobenzene	6.2	Not Detected	38	Not Detected
1,2,4-Trichlorobenzene	25	Not Detected	180	Not Detected
Hexachlorobutadiene	25	Not Detected	270	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Final Effluent

Lab ID#: 0602603A-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1030218	Date of Collection:	2/23/06
Dil. Factor:	1.25	Date of Analysis:	3/3/06 12:22 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.62	Not Detected	3.1	Not Detected
Freon 114	0.62	Not Detected	4.4	Not Detected
Chloromethane	2.5	Not Detected	5.2	Not Detected
Vinyl Chloride	0.62	Not Detected	1.6	Not Detected
1,3-Butadiene	0.62	Not Detected	1.4	Not Detected
Bromomethane	0.62	Not Detected	2.4	Not Detected
Chloroethane	0.62	Not Detected	1.6	Not Detected
Freon 11	0.62	Not Detected	3.5	Not Detected
Ethanol	2.5	Not Detected	4.7	Not Detected
Freon 113	0.62	Not Detected	4.8	Not Detected
1,1-Dichloroethene	0.62	Not Detected	2.5	Not Detected
Acetone	2.5	Not Detected	5.9	Not Detected
2-Propanol	2.5	Not Detected	6.1	Not Detected
Carbon Disulfide	0.62	Not Detected	1.9	Not Detected
3-Chloropropene	2.5	Not Detected	7.8	Not Detected
Methylene Chloride	0.62	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	0.62	Not Detected	2.2	Not Detected
trans-1,2-Dichloroethene	0.62	Not Detected	2.5	Not Detected
Hexane	0.62	Not Detected	2.2	Not Detected
1,1-Dichloroethane	0.62	Not Detected	2.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.62	2.6	1.8	7.6
cis-1,2-Dichloroethene	0.62	Not Detected	2.5	Not Detected
Tetrahydrofuran	0.62	2.8	1.8	8.4
Chloroform	0.62	Not Detected	3.0	Not Detected
1,1,1-Trichloroethane	0.62	Not Detected	3.4	Not Detected
Cyclohexane	0.62	Not Detected	2.2	Not Detected
Carbon Tetrachloride	0.62	Not Detected	3.9	Not Detected
2,2,4-Trimethylpentane	0.62	Not Detected	2.9	Not Detected
Benzene	0.62	Not Detected	2.0	Not Detected
1,2-Dichloroethane	0.62	Not Detected	2.5	Not Detected
Heptane	0.62	Not Detected	2.6	Not Detected
Trichloroethene	0.62	Not Detected	3.4	Not Detected
1,2-Dichloropropane	0.62	Not Detected	2.9	Not Detected
1,4-Dioxane	2.5	Not Detected	9.0	Not Detected
Bromodichloromethane	0.62	Not Detected	4.2	Not Detected
cis-1,3-Dichloropropene	0.62	Not Detected	2.8	Not Detected
4-Methyl-2-pentanone	0.62	Not Detected	2.6	Not Detected
Toluene	0.62	Not Detected	2.4	Not Detected
trans-1,3-Dichloropropene	0.62	Not Detected	2.8	Not Detected
1,1,2-Trichloroethane	0.62	Not Detected	3.4	Not Detected

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Final Effluent

Lab ID#: 0602603A-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1030218	Date of Collection:	2/23/06
Dil. Factor:	1.25	Date of Analysis:	3/3/06 12:22 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Tetrachloroethene	0.62	Not Detected	4.2	Not Detected
2-Hexanone	2.5	Not Detected	10	Not Detected
Dibromochloromethane	0.62	Not Detected	5.3	Not Detected
1,2-Dibromoethane (EDB)	0.62	Not Detected	4.8	Not Detected
Chlorobenzene	0.62	Not Detected	2.9	Not Detected
Ethyl Benzene	0.62	Not Detected	2.7	Not Detected
m,p-Xylene	0.62	Not Detected	2.7	Not Detected
o-Xylene	0 62	Not Detected	2.7	Not Detected
Styrene	0.62	Not Detected	2.7	Not Detected
Bromoform	0.62	Not Detected	6.5	Not Detected
Cumene	0.62	Not Detected	3.1	Not Detected
1,1,2,2-Tetrachloroethane	0.62	Not Detected	4.3	Not Detected
Propylbenzene	0.62	Not Detected	3.1	Not Detected
4-Ethyltoluene	0.62	Not Detected	3.1	Not Detected
1,3,5-Trimethylbenzene	0.62	Not Detected	3.1	Not Detected
1,2,4-Trimethylbenzene	0.62	Not Detected	3.1	Not Detected
1,3-Dichlorobenzene	0.62	Not Detected	3.8	Not Detected
1,4-Dichlorobenzene	0.62	Not Detected	3.8	Not Detected
alpha-Chlorotoluene	0.62	Not Detected	3.2	Not Detected
1,2-Dichlorobenzene	0.62	Not Detected	3.8	Not Detected
1,2,4-Trichlorobenzene	2.5	Not Detected	18	Not Detected
Hexachlorobutadiene	2.5	Not Detected	27	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0602603A-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1030205	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/2/06 11:11 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0602603A-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1030205	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/2/06 11:11 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	97	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0602603A-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1030202	Date of Collection:	NA
Dil Factor:	1.00	Date of Analysis:	3/2/06 08:40 AM

Compound	%Recovery
Freon 12	115
Freon 114	117
Chloromethane	105
Vinyl Chloride	108
1,3-Butadiene	116
Bromomethane	114
Chloroethane	104
Freon 11	120
Ethanol	104
Freon 113	117
1,1-Dichloroethene	113
Acetone	104
2-Propanol	106
Carbon Disulfide	109
3-Chloropropene	100
Methylene Chloride	108
Methyl tert-butyl ether	86
trans-1,2-Dichloroethene	99
Hexane	105
1,1-Dichloroethane	107
2-Butanone (Methyl Ethyl Ketone)	110
cis-1,2-Dichloroethene	109
Tetrahydrofuran	101
Chloroform	112
1,1,1-Trichloroethane	116
Cyclohexane	113
Carbon Tetrachloride	131 Q
2,2,4-Trimethylpentane	107
Benzene	94
1,2-Dichloroethane	117
Heptane	106
Trichloroethene	108
1,2-Dichloropropane	108
1,4-Dioxane	105
Bromodichloromethane	116
cis-1,3-Dichloropropene	116
4-Methyl-2-pentanone	116
Toluene	106
trans-1,3-Dichloropropene	118
1,1,2-Trichloroethane	109

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0602603A-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1030202	Date of Collection:	NA
Dil Factor:	1.00	Date of Analysis:	3/2/06 08:40 AM

Compound	%Recovery
Tetrachloroethene	111
2-Hexanone	111
Dibromochloromethane	124
1,2-Dibromoethane (EDB)	114
Chlorobenzene	110
Ethyl Benzene	107
m,p-Xylene	107
o-Xylene	107
Styrene	114
Bromoform	128
Cumene	107
1,1,2,2-Tetrachloroethane	110
Propylbenzene	106
4-Ethyltoluene	106
1,3,5-Trimethylbenzene	104
1,2,4-Trimethylbenzene	103
1,3-Dichlorobenzene	104
1,4-Dichlorobenzene	104
alpha-Chlorotoluene	108
1,2-Dichlorobenzene	101
1,2,4-Trichlorobenzene	85
Hexachlorobutadiene	94

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0602603A-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1030203	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/2/06 09:28 AM

Compound	%Recovery
Freon 12	114
Freon 114	113
Chloromethane	103
Vinyl Chloride	106
1,3-Butadiene	132
Bromomethane	118
Chloroethane	106
Freon 11	121
Ethanol	113
Freon 113	120
1,1-Dichloroethene	114
Acetone	113
2-Propanol	113
Carbon Disulfide	124
3-Chloropropene	118
Methylene Chloride	112
Methyl tert-butyl ether	91
trans-1,2-Dichloroethene	107
Hexane	114
1,1-Dichloroethane	110
2-Butanone (Methyl Ethyl Ketone)	120
cis-1,2-Dichloroethene	112
Tetrahydrofuran	109
Chloroform	113
1,1,1-Trichloroethane	118
Cyclohexane	120
Carbon Tetrachloride	134 Q
2,2,4-Trimethylpentane	122
Benzene	98
1,2-Dichloroethane	120
Heptane	110
Trichloroethene	112
1,2-Dichloropropane	114
1,4-Dioxane	119
Bromodichloromethane	116
cis-1,3-Dichloropropene	109
4-Methyl-2-pentanone	126
Toluene	110
trans-1,3-Dichloropropene	85
1,1,2-Trichloroethane	113

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0602603A-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	1030203	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/2/06 09:28 AM

Compound	%Recovery
Tetrachloroethene	116
2-Hexanone	117
Dibromochloromethane	119
1,2-Dibromoethane (EDB)	116
Chlorobenzene	115
Ethyl Benzene	114
m,p-Xylene	108
o-Xylene	103
Styrene	117
Bromoform	105
Cumene	122
1,1,2,2-Tetrachloroethane	111
Propylbenzene	122
4-Ethyltoluene	122
1,3,5-Trimethylbenzene	102
1,2,4-Trimethylbenzene	80
1,3-Dichlorobenzene	106
1,4-Dichlorobenzene	106
alpha-Chlorotoluene	121
1,2-Dichlorobenzene	102
1,2,4-Trichlorobenzene	100
Hexachlorobutadiene	119

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	100	70-130

APPENDIX D
ANALYTICAL SUMMARY TABLES FOR SYSTEM WATER SAMPLES AND LABORATORY ANALYTICAL DATA

APPENDIX D
NWS-EARLE
BIOSLURPER UNIT #1 AND #2
TPH EXTRACTED VIA GROUNDWATER TREATMENT

BIOSLURPER UNIT 1		
TPH INFLUENT* (mg/L):	76.6	
TPH EFFLUENT* (mg/L):	0	
GALLONS GROUNDWATER TREATED:	44,443	
* as per analytical **12/7/2005**		
average if more than one sample		
	28.41	=POUNDS OF TPH

BIOSLURPER UNIT 2		
TPH INFLUENT* (mg/L):		
TPH EFFLUENT* (mg/L):		
GALLONS GROUNDWATER TREATED:	0	
* as per analytical **Dec 2005 - Deactivated**		
average if more than one sample		
	0.00	=POUNDS OF TPH

The influent and midfluent samples appear to have been inadvertently switched for the August 2005 sampling event. The midfluent concentration was reported as ND, and the effluent as 17.6 mg/L. It is not likely that the midfluent is contains no TPH while the effluent concentration is similar to the influent concentration.

POUNDS OF TPH=
Gallons Groundwater Treated * (3.785 L/gal) *(TPH INFLUENT (mg/L) -TPH EFFLUENT (mg/l))*0.001g/mg*0.002205 pounds/g)

APPENDIX D
NWS-EARLE
BIOSLURPER UNIT #1 AND #2
TPH EXTRACTED VIA GROUNDWATER TREATMENT

BIOSLURPER UNIT 1		
TPH INFLUENT* (mg/L):	443	
TPH EFFLUENT* (mg/L):	0	
GALLONS GROUNDWATER TREATED:	19,792	
* as per analytical **1/20&27/2006**		
average if more than one sample		
	73.18	=POUNDS OF TPH

BIOSLURPER UNIT 2		
TPH INFLUENT* (mg/L):		
TPH EFFLUENT* (mg/L):		
GALLONS GROUNDWATER TREATED:	0	
* as per analytical **Jan 2006 - Deactivated**		
average if more than one sample		
	0.00	=POUNDS OF TPH

The influent and midfluent samples appear to have been inadvertently switched for the August 2005 sampling event. The midfluent concentration was reported as ND, and the effluent as 17.6 mg/L. It is not likely that the midfluent is contains no TPH while the effluent concentration is similar to the influent concentration.

POUNDS OF TPH=
Gallons Groundwater Treated * (3.785 L/gal) *(TPH INFLUENT (mg/L) -TPH EFFLUENT (mg/l))*0.001g/mg*0.002205 pounds/g)

APPENDIX D
NWS-EARLE
BIOSLURPER UNIT #1 AND #2
TPH EXTRACTED VIA GROUNDWATER TREATMENT

BIOSLURPER UNIT 1		
TPH INFLUENT* (mg/L):	42.8	
TPH EFFLUENT* (mg/L):	0	
GALLONS GROUNDWATER TREATED:	7,090	
* as per analytical **2/23/2006**		
average if more than one sample		
	2.53	=POUNDS OF TPH

BIOSLURPER UNIT 2		
TPH INFLUENT* (mg/L):		
TPH EFFLUENT* (mg/L):		
GALLONS GROUNDWATER TREATED:	0	
* as per analytical **Feb 2006 - Deactivated**		
average if more than one sample		
	0.00	=POUNDS OF TPH

The influent and midfluent samples appear to have been inadvertently switched for the August 2005 sampling event. The midfluent concentration was reported as ND, and the effluent as 17.6 mg/L. It is not likely that the midfluent is contains no TPH while the effluent concentration is similar to the influent concentration.

POUNDS OF TPH=
Gallons Groundwater Treated * (3.785 L/gal) *(TPH INFLUENT (mg/L) -TPH EFFLUENT (mg/l))*0.001g/mg*0.002205 pounds/g)

K174

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax. (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Rich Evans	Samplers Name (Printed): Bart Brophy	Site/Project Identification: NWS Earle Colts neck, N.J.
Company: ECOR Solutions, Inc.	P.O. #: NO 100.171	State (Location of site): NJ: ☒ NY: ☐ Other:
		Regulatory Program:
Address: 1075 Andrew Drive Suite I	Analysis Turnaround Time: Standard ☒	LAB USE ONLY Project No:
City: Westchester, PA State: 19380	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	Job No: K174
Phone: 610-431-8731 Fax: 610-431-2852		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	TPH418-1										Sample Numbers
InFluent	12-7-05	1405	WW	1	1										693109
GAC1 EFFluent	↓	1400	WW	1	1										110
Final EFFluent	↓	1400	WW	1	1										↓ 111

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil: | Water: X

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	ECOR Solutions	~~12-7-05~~ JDY 12.08.05 1015	1) [signature]	STL
2) [signature]	STL	12.08.05 1105	2)	
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

STL Edison

Site: NWS Earle Coltsneck

Lab Job No: K174

Matrix: WATER

QA Batch: 8481

Total Petroleum Hydrocarbons (418.1)

STL Edison Sample #	Client ID	Date Sampled	Date Extracted	Date Analyzed	Dilution Factor	Analytical Result Units: mg/l
693109	Influent	12/07/05	12/14/05	12/14/05	5.0	76.6
693110	GAC1_Effluent	12/07/05	12/14/05	12/14/05	1.0	ND
693111	Final_Effluent	12/07/05	12/14/05	12/14/05	1.0	ND

Quantitation Limit for Total Petroleum Hydrocarbons (418.1) is 1.0 mg/l.

M116

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

Client	ECOR Solutions Inc.
Address	1075 Andrew Dr. Suite I
City	
State	PA
Zip Code	19380
Project Manager	Rich Evans
Telephone Number (Area Code)/Fax Number	(610) 431-8731 Fax (610) 431-2852
Site Contact	Keith Pebler
Lab Contact	Joy Kelly
Carrier/Waybill Number	
Project Name and Location (State)	NWS Earle Colts Neck N.J.
Contract/Purchase Order/Quote No	NO.100.171
Date	1/20/06
Chain of Custody Number	276461
Lab Number	
Page ____ of ____	

Sample I D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): TPH 418-1	Special Instructions/ Conditions of Receipt
Infflnent	1/20/06	1420								✓			1	703254
GAC 1 Efflnent	1/20/06	1422								✓			1	703255
~~Eff~~ Efflnent 1st Carb.	1/20/06	1424								✓			1	703256

M116

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☑ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other Std

QC Requirements (Specify)

1 Relinquished By: Keith Pebler	Date: 1/20/06	Time: 15:15	1 Received By: SR	Date: 1/20/06	Time: 1515
2 Relinquished By	Date	Time	2 Received By	Date	Time
3 Relinquished By	Date	Time	3 Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample, PINK - Field Copy

Site: NWS EARLE COLTSNECK

Lab Job No: M116

Matrix: WATER

QA Batch: 8546

Total Petroleum Hydrocarbons (418.1)

STL Edison Sample #	Client ID	Date Sampled	Date Extracted	Date Analyzed	Dilution Factor	Analytical Result Units: mg/l
703254	INFLUENT	01/20/06	01/26/06	01/26/06	12.5	443
703255	GAC_1-EFFLUENT	01/20/06	01/26/06	01/26/06	1.0	6.2
703256	EFFLU_1ST_CARB	01/20/06	01/26/06	01/26/06	1.0	ND

Quantitation Limit for Total Petroleum Hydrocarbons (418.1) is 1.0 mg/l.

M379

Chain of Custody Record

SEVERN TRENT **STL®**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: ECOR Solution Inc.	Project Manager: Rich Evan	Date: 1/27/06	Chain of Custody Number: 276863
Address: 1075 Andrew Dr. Suite I	Telephone Number (Area Code)/Fax Number	Lab Number	Page ____ of ____
City: Westchester; State: PA.; Zip Code: 19380	Site Contact: Keith Pebler	Lab Contact: Joy Kelly	
Project Name and Location (State): NWS Earle BioSlurper Colts Neck NJ	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): TPH 418-1											Special Instructions/ Conditions of Receipt
Final Effluent	1/27/06	0830									✓				1											706700

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other Std.

QC Requirements (Specify): 3C

1 Relinquished By: Keith Pebler	Date: 1/27/06	Time: 11:30	1 Received By: [signature]	Date	Time
2 Relinquished By	Date	Time	2 Received By	Date	Time
3 Relinquished By	Date	Time	3 Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL Edison

Site: NWS Earle

Lab Job No: M379

Matrix: WATER

QA Batch: 8554

Total Petroleum Hydrocarbons (418.1)

STL Edison Sample #	Client ID	Date Sampled	Date Extracted	Date Analyzed	Dilution Factor	Analytical Result Units: mg/l
704700	Final_Effluent	01/27/06	02/03/06	02/03/06	1.0	ND

Quantitation Limit for Total Petroleum Hydrocarbons (418.1) is 1.0 mg/l.

N690

STL EDISON
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 1

Name (for report and invoice): Rich Evan	Sampler's Name (Printed): Keith Pebler	Site/Project Identification: NWS Earle Colts Neck N.J.
Company: ECOR Solutions Inc.	P.O. #: NO.100 171	State (Location of Site): NJ: ☑ NY: ☐ Other:
Address: 1075 Andrew Pl. Suite I	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Westchester State: P.A. Zip: 19380	Rush Charges Authorized For: 1 Week ☐ 3 Day ☐ Other ☑ 5 Day	
Phone: (610) 431 8731 Fax: (610) 431 2852		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	TPH 418-1	LAB USE ONLY Sample Numbers
Influent	2/23	1400	W	1	1	711023
GAC Effluent	2/23	1405	W	1	1	711024
After Carbon 1	2/23	1410	W	1	1	711025
Final Effluent	2/23	1415	W	1	1	711026

LAB USE ONLY: Project No. ____ Job No. N690

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil: ☐ Water: ✓

Special Instructions _____ Cooler Temp: _____ Water Metals Filtered (Yes/No)? _____

Relinquished by 1. Keith Pebler	Company ECOR Solution	Date/Time 2/23/06 1620	Received by	Company STL
Relinquished by 2.	Company	Date/Time	Received by	Company
Relinquished by 3.	Company	Date/Time	Received by	Company
Relinquished by 4.	Company	Date/Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

STL Edison

4

Site: NWS Earle Colts Nec | Lab Job No: N690
Matrix: WATER | QA Batch: 8601

Total Petroleum Hydrocarbons (418.1)

STL Edison Sample #	Client ID	Date Sampled	Date Extracted	Date Analyzed	Dilution Factor	Analytical Result Units: mg/l
711023	Influent	02/23/06	03/01/06	03/01/06	2.0	42.8
711024	GAC-Effluent	02/23/06	03/01/06	03/01/06	1.0	9.2
711025	After-Carbon-1	02/23/06	03/01/06	03/01/06	1.0	ND
711026	Final-Effluent	02/23/06	03/01/06	03/01/06	1.0	ND

Quantitation Limit for Total Petroleum Hydrocarbons (418.1) is 1.0 mg/l.