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NSB NEW LONDON
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CERUENAL

Removal Site Evaluation
for
Quay Wall
for
Naval Submarine Base New London
Groton, Connecticut

Northern Division
Naval Facilities Engineering Command
Contract Number N62472-90-D-1298
Contract Task Order 0129

May 1995

Halliburton NUS
CORPORATION

CERCLA

039513/P

REMOVAL SITE EVALUATION

FOR

QUAY WALL

FOR

NAVALSUBMARINE BASE - NEW LONDON
GROTON, CONNECTICUT

COMPREHENSIVE LONG-TERM ENVIRONMENTAL ACTION NAVY (CLEAN)

Submitted to:
Northern Division
Environmental Branch, Code 18
Naval Facilities Engineering Command
10 Industrial Highway, Mail Stop #82
Lester, Pennsylvania 19113-2090

Submitted by:
Halliburton NUS Corporation
993 Old Eagle School Road, Suite 415
Wayne, Pennsylvania 19087-1710

NORTHERN DIVISION CONTRACT NO. N62472-90-D-1298
CONTRACT TASK ORDER 0129

MAY 1995

SUBMITTED BY:

MATTHEW G. COCHRAN, P.G.
PROJECT MANAGER
HALLIBURTON NUS CORPORATION
PITTSBURGH, PENNSYLVANIA

APPROVED FOR SUBMISSION BY:

JOHN J. TREPANOWSKI, P.E.
PROGRAM MANAGER
HALLIBURTON NUS CORPORATION
WAYNE, PENNSYLVANIA

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1.0 INTRODUCTION

This Removal Site Evaluation (RSE) report has been prepared for SUBASE New London by Halliburton NUS Corporation under Contract Number N62472-90-D-1298. This RSE has been completed in accordance with 40 CFR Subsection 300.410.

1.1 PURPOSE

This report summarizes the activities conducted during November and December 1994 in response to the petroleum product releases along the quay wall in the vicinity of Pier 4 at the Naval Submarine Base-New London (NSB-NLON), Connecticut. Recommendations for further remedial actions are also included in this report. A Quay Wall Investigation and Emergency Response letter, dated December 8, 1994, was submitted to The State of Connecticut Department of Environmental Protection Agency (CTDEP). It served as a work plan for performing the RSE field investigations and presented a preliminary site assessment. An Action Memorandum was submitted to CTDEP on January 12, 1995, to document the response activities as part of a Time-Critical Removal Action.

1.2 SITE BACKGROUND

This section provides a site description and an account of the response and removal actions for the releases along the quay wall at NSB-NLON.

1.2.1 Site Description

A general study area location map is provided in Figure 1-1. An enlarged map of the study area is provided in Figure 1-2. The study area lies within the Lower SUBASE, which has been identified as an Installation Restoration (IR) site and is presently being investigated under this program. The IR program parallels the Comprehensive Environmental Response Compensation Liability Act (CERCLA). The study area is situated on the Thames River between Pier 4 and Pier 6, southwest of Building 79. It is bounded to the west by the Thames River and to the east by the Providence and Worcester Railroad. The surrounding land is primarily industrial buildings and piers used for maintenance of Navy ships and submarines. The area surrounding Pier 4 is underlain by numerous underground utilities and utility access passages. A power plant with four underground storage tanks is located approximately 600 feet northwest of Pier 4. Fuel transfer pipe lines, used until the early 1980's, are located approximately

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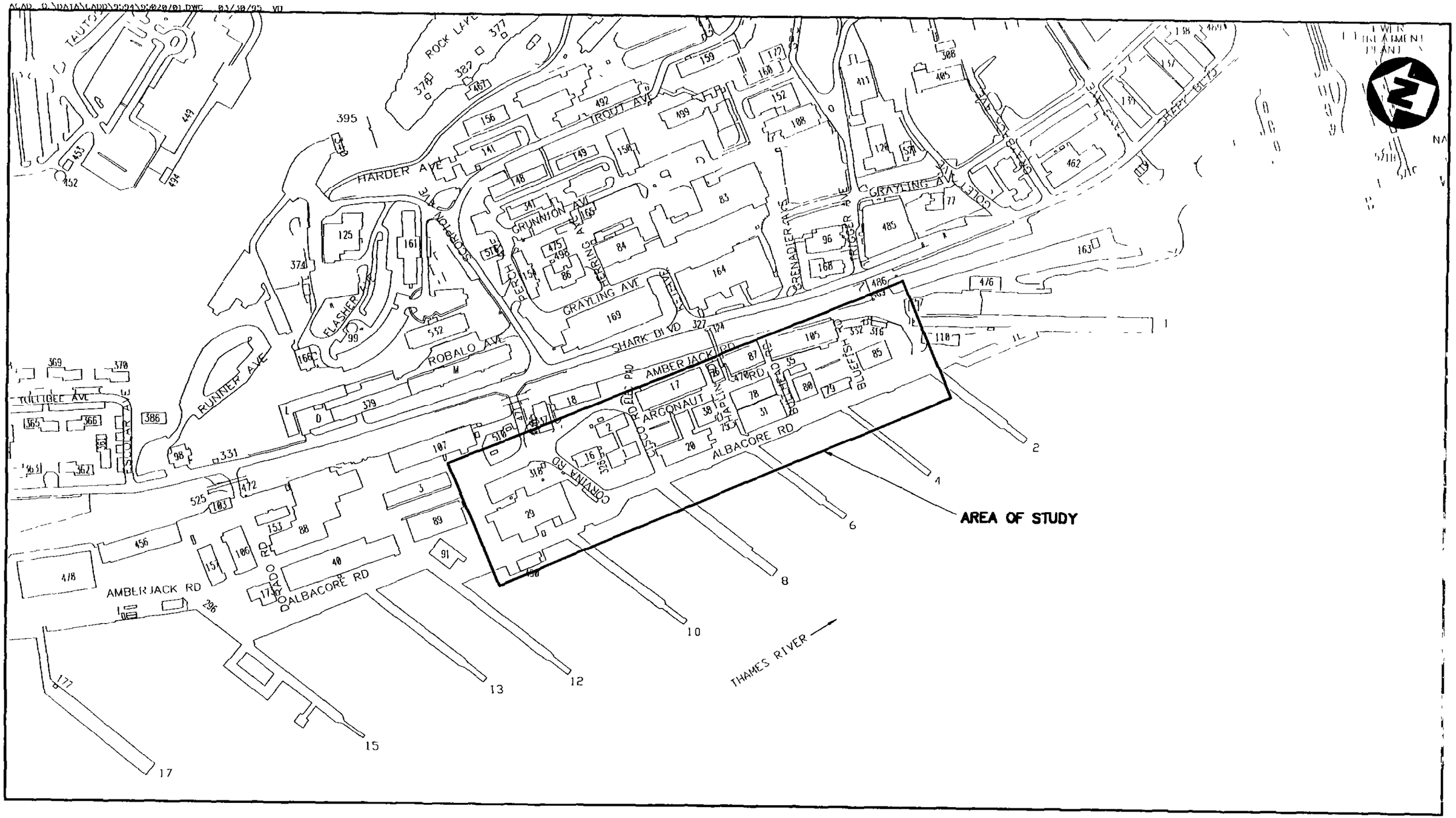

STUDY AREA LOCATION MAP
LOWER SUBASE
NSB-NLON, GROTON, CONNECTICUT

FIGURE 1-1

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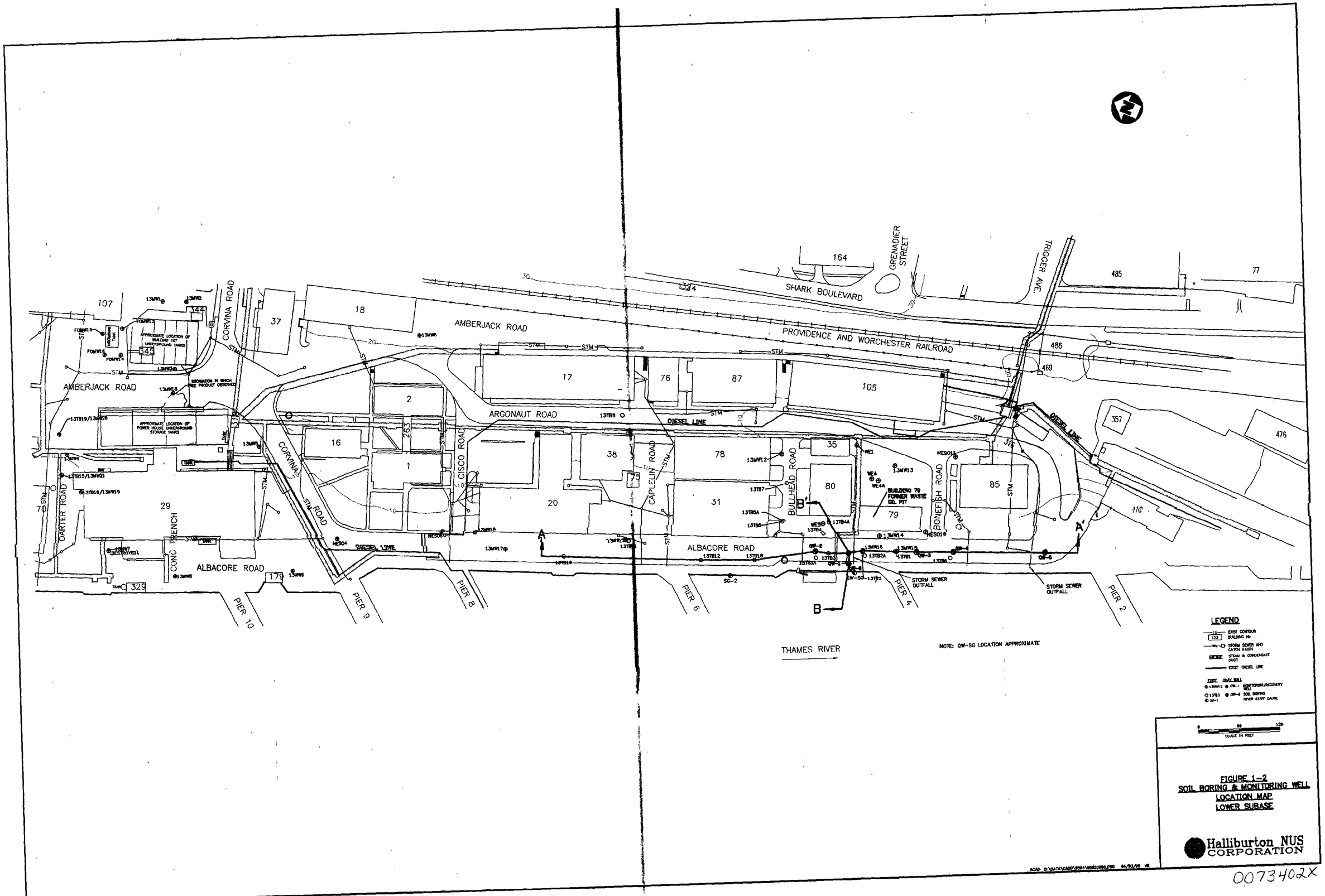
AMBERJACK ROAD
CORVINA ROAD
ARGONAUT ROAD
DIESEL LINE
CISCO ROAD
CAPELLIN ROAD
BULLHEAD ROAD
BONEFISH ROAD
DARTER ROAD
CONC TRENCH
ALBACORE ROAD
PROVIDENCE AND WORCHESTER RAILROAD
SHARK BOULEVARD
GRENADIER STREET
TRIGGER AVE.
BUILDING 79 FORMER WASTE OIL PIT
STORM SEWER OUTFALL
PIER 10
PIER 9
PIER 8
PIER 6
PIER 4
PIER 2
THAMES RIVER
NOTE: GW-SG LOCATION APPROXIMATE
LEGEND
EXIST CONTOUR
BUILDING No
STORM SEWER AND CATCH BASIN
STEAM & CONDENSATE DUCT
EXIST DIESEL LINE
EXIST. GRAV. WELL
MONITORING/RECOVERY WELL
SOIL BORING
RIVER STAFF GAUGE
SCALE IN FEET
FIGURE 1-2
SOIL BORING & MONITORING WELL LOCATION MAP
LOWER SUBASE
Halliburton NUS CORPORATION

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150 feet east of Pier 4. Secondary lines from the main fuel transfer pipe lines are located throughout the area northeast of Pier 4 and southeast of the power station. A former waste oil pit was located in Building 79.

Figure 1-3 provides an east-west cross-section generated from engineering drawings for the area near Pier 4. A wooden platform and quay wall were constructed in 1940. The wooden platform is 4 inches thick and supported by 10- to 12-inch-square wooden joists and 8-inch timber pilings. The current steel bulkhead along the Thames River was erected in 1952 and constructed of steel sheet piling and supports. During construction of the bulkhead, the quay wall and wooden platform were covered with sand and gravel fill, and the area was paved for vehicle access along Albacore Road. The quay wall is located approximately 4 feet east of the steel bulkhead immediately beneath the paved surface. Fill soil below the wooden platform and quay wall may periodically wash out and can be replaced with sand poured into a series of manholes along the length of the Albacore Road.

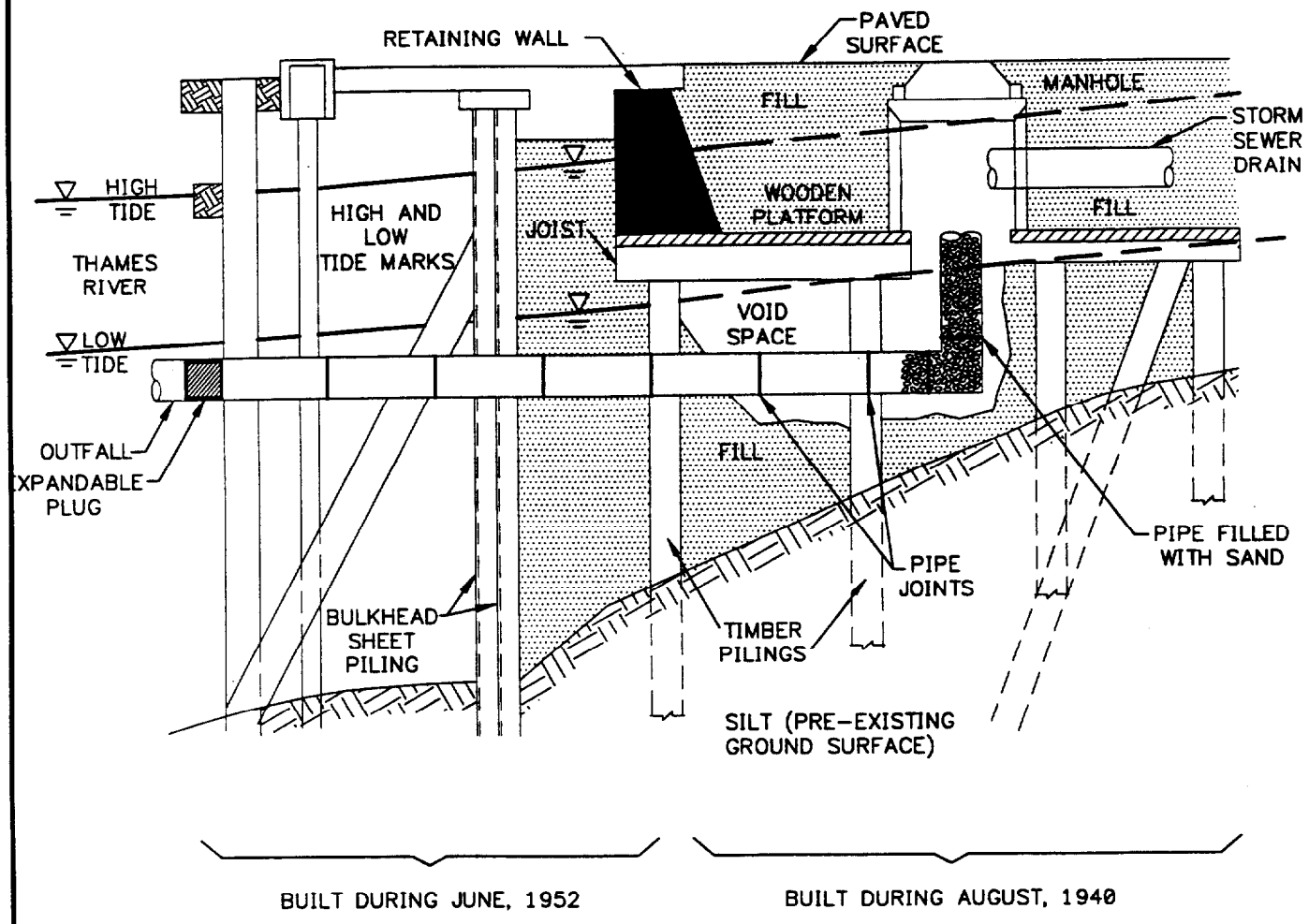
A storm sewer outfall, which discharges runoff from the rain gutter on Building 35, extends beyond the steel bulkhead into the Thames River, just north of Pier 4. The pipe is not exposed during the diurnal low tides but is close to the water surface. The pipe is approximately 12 inches in diameter and constructed of clay sections, measuring approximately 4 feet in length. The integrity of the joints of the pipe is unknown. The pipe connects upstream to a concrete block manhole, located approximately 25 feet east of the outfall. A similar storm sewer outfall exists north of Pier 2 and receives runoff from the streets east of the area.

The Thames River in the vicinity of the Pier 4 quay wall ranges in depth from approximately 20 to 35 feet, according to a U.S. Army Corps of Engineers sweep survey in May 1987. According to the Phase II Remedial Investigation (RI) conducted by Halliburton NUS (February 1995) the groundwater flow direction in the area is west toward the river. Groundwater elevation is tidally influenced. Tidal influence increases as groundwater approaches the river.

1.2.2 Previous Investigation

Four site investigations have previously been conducted. These investigations are described below.

- The Navy Environmental Support Office (NESO) identified oil contamination in the vicinity of Building 79 (NESO, 1979). This area contained a railroad spur, where diesel train engines were serviced inside Building 79. The service area included a pit into which waste oil and solvents were reportedly collected during the cleaning and servicing of the diesel train engines.



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NOT TO SCALE	SOURCE: WEHREN, 1987	FIGURE 1-3 QUAY WALL/STORM SEWER DIAGRAM NSB-NLON, GROTON, CONNECTICUT HALLIBURTON NUS Environmental Corporation

Available building maps show a subsurface drain pipe extending from the pit to Albacore Road, however, a discharge location is not shown on the maps. NESO recommended abandonment of the waste oil pit located within the building, and it was subsequently filled with concrete. A recovery well system was installed near Building 79 in 1985. The recovery system was operated for several months but was found to be ineffective and later abandoned.

- In 1987, Wehran Engineers and Scientists completed a subsurface investigation focused in the vicinity of Building 79. It was determined that manholes, soils, and groundwater within the study area were contaminated with No. 6 fuel oil that was greater than one year old. Additionally, trace levels of waste oil were also identified.

- A Phase I RI of the Lower SUBASE was conducted in 1992 by Atlantic Environmental Services, Inc. (Atlantic, August 1992). It included inspection of utility manholes and the waterfront bulkhead for evidence of contamination. Also included in the investigation were a soil gas survey, test borings, groundwater monitoring well installations, and soil and groundwater sampling and analysis. The investigation identified at least three areas of concern: Manhole 83, contaminated soil in the vicinity of Building 79, and the presence of petroleum product in wells located west of Building 79. A brown milky oil was identified in Manhole 83, located west of Building 79. The source of contamination at this location was believed to have originated from the former waste oil pit inside Building 79. Petroleum product was identified in soil collected from soil borings in the vicinity of Building 79, and analysis of the soil indicated that a mixture of No. 6 fuel oil and waste oil was present. The source of contamination was concluded to be an underground pipeline for No. 6 fuel oil, located in the vicinity of Building 78. The extent of contamination appeared to be limited to the immediate area of the pipeline and well 13MW12. Currently, all No. 6 fuel oil pipelines are in the process of abandonment. Petroleum product was detected from Total Petroleum Hydrocarbon (TPH) analysis in groundwater samples from wells west of Building 79. However, a measurable level of visible free product was not observed in the wells. Historically, oil seeps and sheens have been reported along the bulkhead near Building 79. Many of the sheens can be attributed to creosote leaching from exposed wooden pier and quay wall pilings. During this investigation, seeps and sheens were not observed anywhere along the bulkhead.

- A Phase II RI was conducted by Halliburton NUS Corporation from November 1993 to February 1995 (Halliburton NUS, February 1995). The Phase II RI consisted of test borings, monitoring well installations, and soil and groundwater sampling and analysis. TPH concentrations in subsurface soil samples from Bullhead Road and Building 79 were noted as

the areas of concern during this phase of investigation. Possible sources of contamination were again identified as the Building 79 waste oil pit and the fuel oil distribution system in the area.

1.2.3 Removal Actions

From November 3 to November 9, 1994, the diurnal low tides that occurred at NSB-NLON were accompanied by unseasonably warm weather. On November 3, 1994 at 0830 hours, a release of petroleum product into the Thames River was reported by SUBASE Port Services to SUBASE Environmental Department. SUBASE Port Services personnel had observed petroleum product and oily sludge in the vicinity of the storm sewer outfall just north of Pier 4. The quantity of product released was unknown. An oil spill containment boom was deployed in the river to minimize dispersion of the release. Following deployment of the oil spill boom, SUBASE Port Services used absorbent pads to absorb and collect product. A vacuum truck was also used to remove floating or easily obtainable product. A preliminary investigation was initiated to determine the source of the release. At approximately low tide (1:50 p.m.) more product, consisting of a thick black oily substance, was observed in the same location. A skimmer was deployed to collect product inside the boom area. The vacuum truck also continued to collect product. CTDEP was notified of the incidents at approximately 2:00 p.m. Representatives of the CTDEP arrived on site at approximately 4:30 p.m. on November 3 to review the spill response. A sample (CSLNV-1105) of the product was collected for laboratory analysis. Analysis included Target Compound List (TCL) polychlorinated biphenyls (PCBs), Target Analyte List (TAL) inorganics and boron, Toxicity Characteristic Leachate Procedure (TCLP) organics and metals, pH, and flash point. The analytical results of this sample are included in Appendix G. An immediate source for the releases was not found, and the investigation to determine the source continued into the evening. SUBASE Port Services continued to use absorbent pads to collect product through the night.

On November 4, 1994, a spill response and cleanup contractor was retained by the Department of the Navy to complete the cleanup and began steam cleaning the piers, bulkhead, and pipes along the bulkhead. It was determined that the probable source of the releases was the storm sewer manhole near Pier 4 and Building 79. Refer to Figure 1-3 for a cross-section of the manhole and associated pipes. A high concentration of petroleum product was found inside of the manhole. Inspection of the storm sewer pipe that runs from Building 35 and discharges into the manhole showed no evidence of petroleum product.

On November 6, 1994, the cleanup contractor completed cleanup activities. SUBASE Port Services reported no product was visible within the boom area.

On November 8, 1994, at 8:00 PM, another product release into the boom area was reported by SUBASE Port Services. A skimmer was used to collect floating product. Following further investigation, product was also found in the storm sewer manhole near Pier 4. Navy divers placed a wood plug in the storm sewer outfall north of Pier 4. The seal of the wood plug within the pipe was tested with fluorescent tracer dye. After leaks around the wood plug were detected, it was replaced with an expandable rubber plug on November 9. A 24-hour watch was established on the evening of November 8 to monitor for additional releases.

After no additional releases were detected, the 24-hour watch was ended on November 9. Petroleum product was observed in the manhole immediately south of the area of concern and north of Pier 2. The product was contained in the manhole and was not released to the river.

Approximately 2,300 gallons of oily waste water and thirty-nine 55-gallon drums, two 30-gallon drums, and one 18-gallon drum of absorbent pads contaminated with product were generated during cleanup activities and disposed off site by the Navy.

Following the removal actions, Halliburton NUS was retained by the Department of the Navy in November 1994 to further investigate the sources for the releases and to recommend remediation alternatives. On December 5, 7, 20, and 21, 1994, oil and water were pumped during low tide from product recovery wells (QW-1 through QW-5 on Figure 1-2) installed by Halliburton NUS. The purpose of the pumping activities was to remove as much free product as possible from the void space below the wooden platform and to perform a pumping and dye test. A total of approximately 16,000 gallons of water with some oil was pumped and collected in a trailer tank. A small percentage of the liquid pumped (less than 5%) was petroleum product. During each pumping event a thin layer of oil approximately 1/8 to 1/4 inch thick was observed on the surface of the water in the trailer tank. The oil and water collected on December 5 was disposed off site by a subcontractor to Halliburton NUS (Clean Harbors). All other oil and water was disposed on site at the SUBASE oil/water separator (Tank OT-10) located near the SUBASE ballfields.

In late December 1994, the storm sewer pipe leading to the outfall in the river was filled with sand to prevent any further discharge from the outfall.

1.3 ORGANIZATION OF REPORT

Section 1.0 of this report provides an introduction and describes previous site investigations and removal actions performed. Section 2.0 describes field investigation activities. Section 3.0 presents the investigation results. Section 4.0 presents recommendations for remedial actions.

2.0 FIELD INVESTIGATIONS

This section details field investigation activities performed. Soil borings, monitoring/recovery well installations, a pumping and dye test, and soil and product sampling and analysis were conducted for this investigation during December 1994.

2.1 SOIL BORINGS AND SUBSURFACE SOIL SAMPLING

The objectives of the soil borings and subsurface soil sampling were to establish the depths of the wooden platform, the quay wall, and the void space below the wooden platform; to identify areas of potential contamination; and to estimate the lateral and vertical nature and extent of contamination along Albacore Road near where the releases occurred.

A total of six soil borings (QW-1 through QW-6) were drilled during this investigation. All soil borings were advanced using hollow-stem auguring techniques. Soil boring locations are shown on Figure 1-2. Soil samples were collected continuously at 2-foot intervals with split-spoon samplers. Physical characteristics (such as color, density, lithology, and moisture) and any visible evidence of contamination (such as odor, sheen, staining or free product) of the soil samples were recorded on boring logs maintained by Halliburton NUS personnel. Boring logs are provided in Appendix A. All downhole drilling equipment, sampling equipment (i.e., split-spoon samplers), and the rear of the drilling rig were decontaminated with pressurized steam prior to drilling, between boreholes, and prior to leaving the site at the decontamination area located near the Area A Landfill. All drill cuttings were collected, containerized in 55-gallon DOT-approved drums, stored temporarily on site, and transported and disposed by a subcontractor to Halliburton NUS.

A total of five subsurface soil samples were collected for analysis, based on visible evidence of petroleum product contamination. One trip blank and one equipment rinsate blank were also collected for analysis. Sample log sheets and Chain-of-Custody records for samples collected are provided in Appendices B and C, respectively. All samples were analyzed for TPH except for the trip blank, which was analyzed for TCL volatile organic compounds (VOCs) only. Four samples (QW-2, QW-3, QW-4, and QW-5) were also analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX). One sample (QW-1) and the equipment rinsate blank were analyzed for TCL semivolatile organic compounds (SVOCs), TCL pesticides and PCBs, Target Analyte List (TAL) inorganics plus boron. One sample (QW-1) was also analyzed for

Toxicity Characteristic Leachate Procedure (TCLP) metals. All subsurface soil samples were collected with split-spoon samplers and transferred to sample jars with stainless steel trowels.

2.2 MONITORING/PRODUCT RECOVERY WELL INSTALLATIONS

The objective of the monitoring/product recovery well installations was to provide access to the void space below the wooden platform for groundwater monitoring and product recovery. Monitoring/product recovery wells were installed in five of the six soil borings drilled during this investigation. Locations of the monitoring/product recovery wells are shown on Figure 1-2. After the soil borings had been advanced to the top of the wooden platform, 4-inch or 6-inch-diameter steel casing was spun through the wood planking. The bottom of the casing was positioned approximately 6 inches below the bottom of the wood planking and grouted into place. A concrete pad and 6- or 8-inch-diameter flush-mounted surface casing were installed at the ground surface. A typical well construction diagram for all the wells is shown in Figure 2-1, and well construction sheets are shown in Appendix D.

2.3 OIL/SLUDGE SAMPLING

One sample of oil/sludge was collected from the vacuum truck holding the product recovered from the Thames River. The sample was analyzed for specific gravity only. The analytical result is provided in Appendix G. The sample was collected with a stainless steel beaker.

2.4 DYE/OIL RECOVERY TEST

A 2-hour dye/oil recovery test was conducted on December 7, 1994 to determine the feasibility of long-term product recovery and the hydraulic connection of the void space below the wooden platform along the waterfront. Approximately 5 gallons of non-toxic, fluorescent tracer dye was poured into well QW-3 before beginning the test. Water with a slight oil sheen was pumped by a centrifugal pump at approximately 30 to 40 gallons per minute from well QW-1 and discharged into a 2,500-gallon tank trailer. Water was discharged by gravity from the tank trailer into QW-4. Approximately 3,600 gallons of water were pumped from QW-1 during the test, and approximately 1,000 gallons of water were discharged to QW-4. Water levels were measured during the test in wells QW-1, QW-2, QW-3, QW-4, 13MW16, the Thames River staff gauge (QW-SG), and the storm sewer manhole near Pier 4. Water level measurement sheets are provided in Appendix E.

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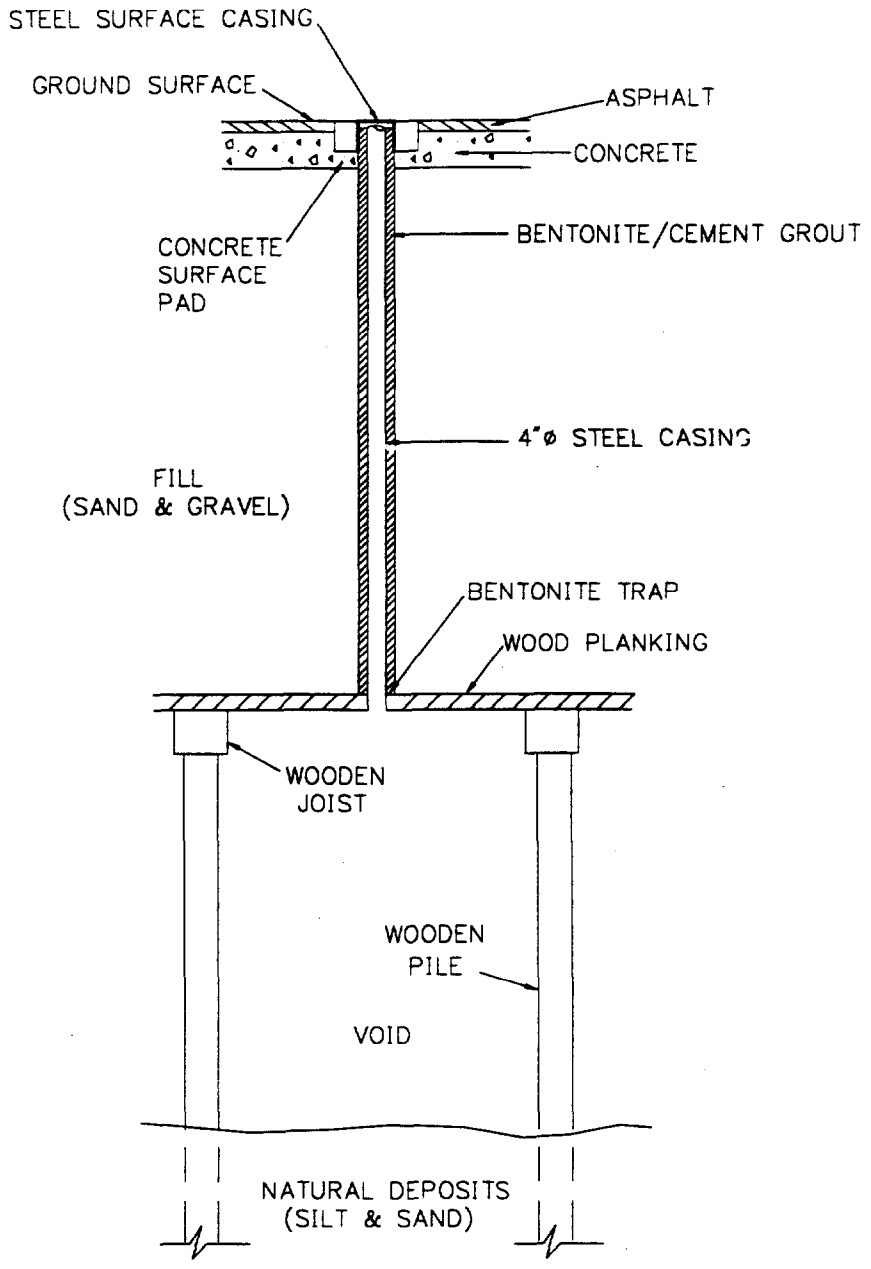

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MONITORING/RECOVERY WELL CONSTRUCTION
QUAY WALL
NSB-NLON, GROTON CONNECTICUT

FIGURE 2-1

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After the test, the water and oil remaining in the tank trailer were allowed to naturally separate. An 1/8-inch-thick layer of oil developed on the surface of the water. An additional 600 to 800 gallons of water were discharged to QW-4. The remaining oil and water were disposed on site by Navy personnel at the SUBASE oil/water separator (Tank OT-10) located near the ballfields.

2.5 TIDAL STUDY

A tidal study was performed to measure tidal fluctuations and to determine the hydraulic connection between the Thames River and the groundwater of the Lower SUBASE. A water level datalogger was installed in a 4-inch-diameter PVC casing (staff gauge QW-SG) in the Thames River, and another water level datalogger was installed in monitoring well 13MW16. Water level measurements were recorded by the dataloggers from December 13, 1994, to February 2, 1995. Tidal data is provided in Appendix F.

3.0 INVESTIGATION RESULTS

This section presents the results of the field investigations.

3.1 PHYSICAL CHARACTERISTICS

The wooden platform beneath Albacore Road is covered by approximately 6 to 7 feet of sand and gravel fill. Void spaces of 3 to 8 feet exist discontinuously beneath the wooden platform. Sand and gravel fill separate the void spaces. Natural river deposits of silt and sand underlie the void spaces and sand fill. A north-south cross-section along Albacore Road is shown in Figure 3-1. An east-west cross-section is shown in Figure 3-2.

Zones of visible petroleum contamination are present in the soil immediately above the wooden platform and in the fill below the wooden platform. The petroleum is found in the area around the storm sewer manhole northeast of Pier 4 and east of Building 79. Globules of floating product (specific gravity = 0.97) were also present in the standing water in the void spaces below the wooden platform.

A graphical presentation of the Thames River and groundwater elevations recorded during the tidal study is provided in Figure 3-3. (Note: The staff gauge QW-SG was destroyed by a barge on approximately January 3, 1995, and data recorded after January 3, 1995 is inaccurate.) Tidal fluctuations of the Thames River and groundwater elevations occurred simultaneously, indicating the Thames River and groundwater are directly hydraulically connected. The mean elevation for the Thames River and the groundwater from December 14, 1994, to January 3, 1995, was 1.9 feet and 2.0 feet mean sea level (msl), respectively. The Thames River elevations ranged on average from -0.90 feet to 5.5 feet msl. The groundwater elevations ranged on average from -0.33 feet to 6.42 feet msl.

The mean groundwater elevation of 2.0 feet msl is approximately level with or slightly above the elevation of the wooden platform beneath Albacore Road. The low groundwater elevation (minimum -0.33 feet msl observed on January 1, 1995, does not fall below the bottom of the wood joists supporting the wooden platform. Therefore, any floating product in the standing water in the void spaces is probably trapped underneath the wooden planking between the wood joists. However, the unusually low diurnal tides coupled with warm weather witnessed during November 3 through 9, 1994, may have allowed trapped petroleum to move into the storm sewer pipe via the manhole near Pier 4 and discharge into the Thames River.

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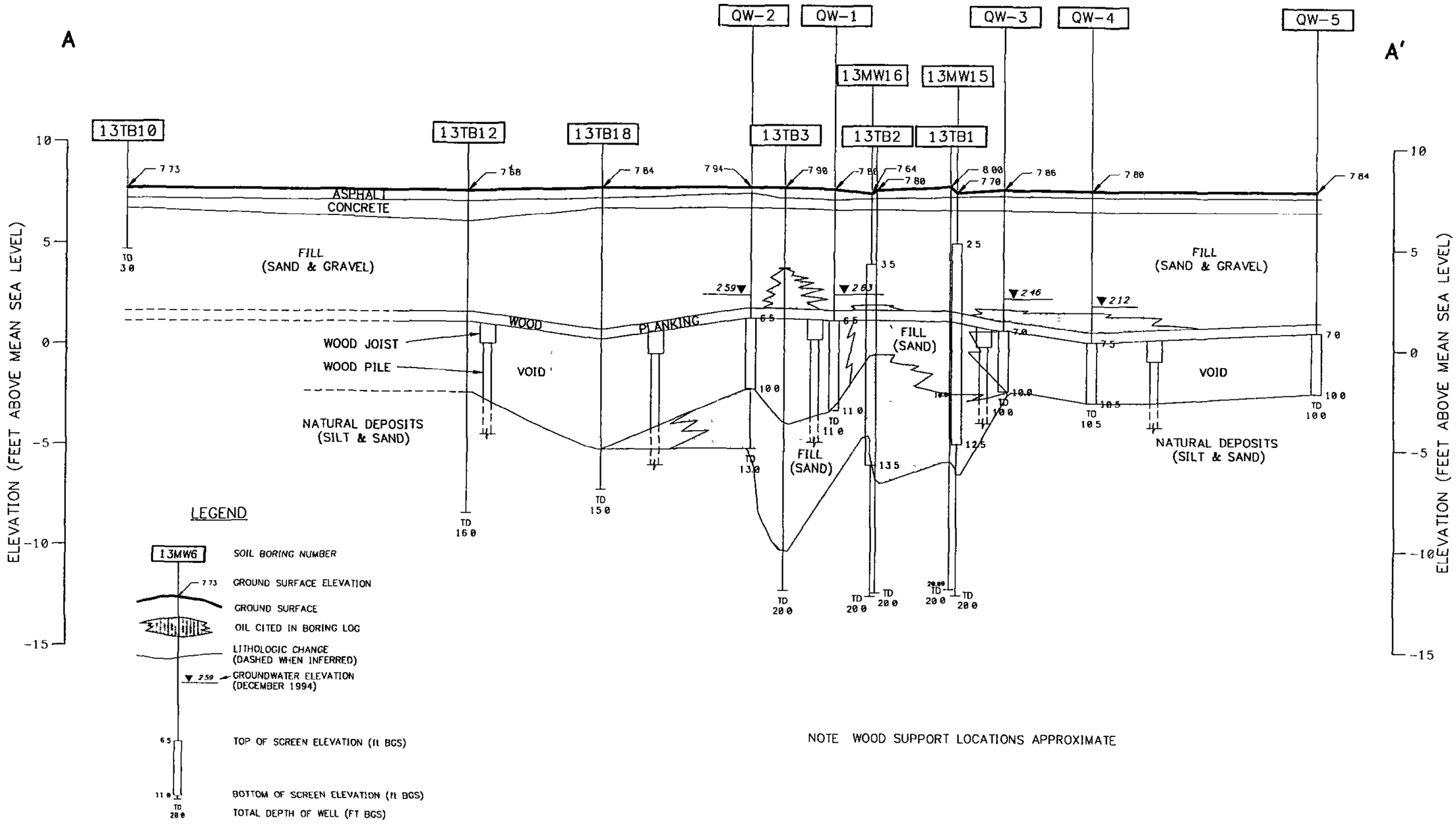

GEOLOGIC CROSS SECTION A-A'
QUAY WALL
NSB-NLON, GROTON, CONNECTICUT

0 60 120
HORIZONTAL SCALE IN FEET
0 5 10
VERTICAL SCALE IN FEET

FIGURE 3-1

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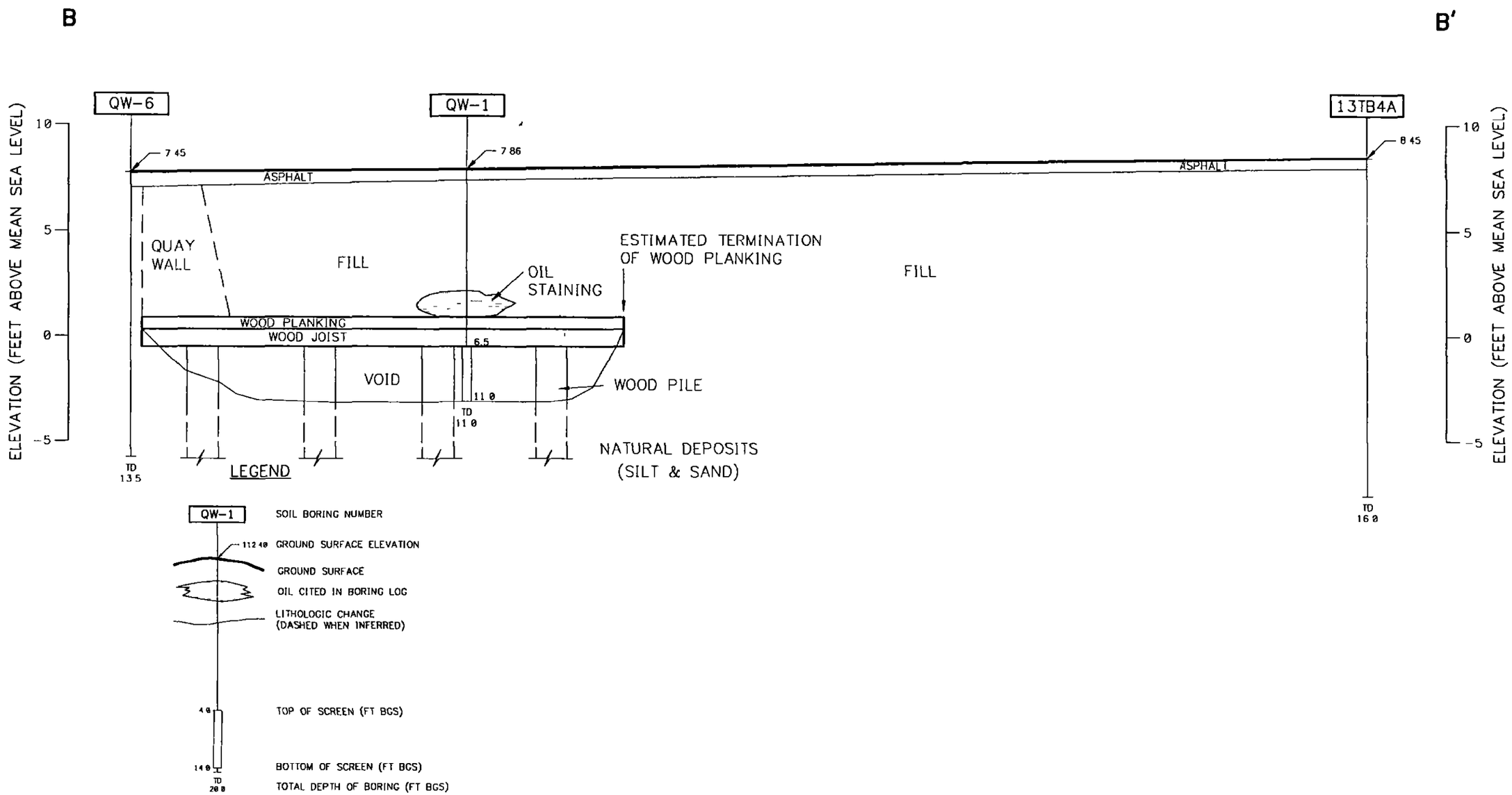

GEOLOGIC CROSS SECTION B-B'
QUAY WALL
NSB-NLON, GROTON, CONNECTICUT

0 5 10
HORIZONTAL SCALE IN FEET
0 5 10
VERTICAL SCALE IN FEET

FIGURE 3-2

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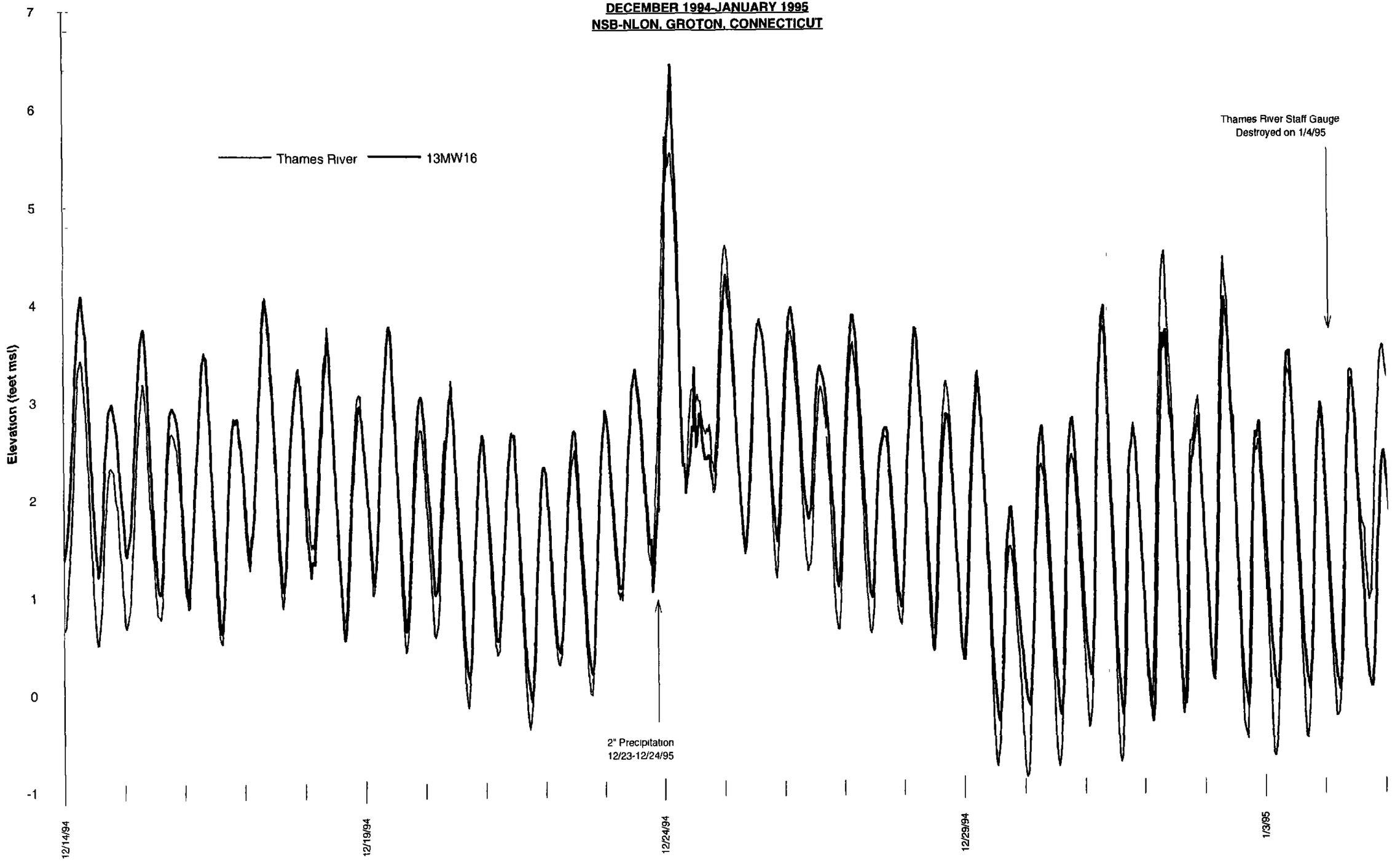
FIGURE 3-3

THAMES RIVER AND GROUNDWATER ELEVATIONS
DECEMBER 1994-JANUARY 1995
NSB-NLON, GROTON, CONNECTICUT



Note Thames River water elevations approximate

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During the dye test and for six hours after its conclusion, no dye was observed in any wells except for well between Pier 2 and Building 79 along Albacore Road. Since the groundwater is hydraulically linked to the nearby Thames River, the potential to produce a cone of influence to draw in the groundwater could not occur. In addition, boring log information indicates that the sand used to fill the void spaces below the wooden platform is apparently bridged in the manholes and mounded around their bottom openings.

3.2 ANALYTICAL RESULTS

This section summarizes the analytical results of the soil and oil/sludge sampling. Complete records of the analytical results are provided in Appendix G. The Connecticut Clean-Up Standard Regulations (1994) by CTDEP is the applicable guidance for determining acceptable levels of cleanup for the removal actions performed. The criteria from the regulated referenced in this section are provided in Appendix H.

3.2.1 Soil

Five soil samples were collected from five soil borings along Albacore Road. The sample depths are from intervals immediately above the wooden platform and range from 5.0 to 7.25 feet below ground surface. A summary of positive detections for the soil samples with relevant Connecticut Cleanup Standards is presented in Table 3-1.

All TCL volatile, semivolatile, and pesticide detections were within the Connecticut Cleanup Standards for soils for residential direct exposure and the groundwater pollutant mobility. No PCBs were detected in the soil.

Lead and arsenic were the only inorganic analytes with concentrations above regulatory standards. The total lead concentration (14,700 mg/kg) for sample QW-1 exceeded both the residential and industrial direct exposure limits. The TCLP lead concentration (51.9 mg/L) was greater than the groundwater pollutant mobility lead. It also exceeded background levels calculated in the Phase I and II RI reports for lead for soils at NSB-NLON. The total arsenic concentration (2.1 mg/kg) for sample QW-1 exceeded the residential direct exposure limit but not the industrial direct exposure limit. However, the concentration is acceptable when compared to the background concentration (2.54 mg/kg) for soils at NSB-NLON.

TPH was detected in all soil samples. However, no concentrations of TPH were exceeded for residential or industrial direct exposure or groundwater pollutant mobility for soils.

TABLE 3-1

DATA SUMMARY - SOIL [1]
LOWER SUBASE
NSB-NLON, GROTON, CONNECTICUT

Chemical		Frequency of Detection	Range of Detection	Background Concentration[2]	Connecticut Cleanup Standards[3]		
					Direct Exposure		Pollutant Mobility[4]
					Residential	Industrial	
BTEX: (mg/kg)	Benzene	1/5	0.0014	NA	21	200	0.02
	Toluene	2/5	0.003 J-0.0032	NA	500	1,000	2.6
	Ethylbenzene	2/5	0.0007 J-0.018 J	NA	500	1,000	8.7
	Xylenes (Total)	2/5	0.000616 J-0.0203J	NA	500	1,000	1.4
TCL Semivolatiles: (mg/kg)	Napthalene	1/1	0.039 J	NA	1,000	2,500	5.6
	Phenanthrene	1/1	0.190 J	NA	1,000	2,500	4
	Anthracene	1/1	0.059 J	NA	1,000	2,500	40
	Fluoranthrene	1/1	0.620	NA	1,000	2,500	5.6
	Pyrene	1/1	0.830	NA	1,000	2,500	4
	Benzo(a)anthracene	1/1	0.400 J	NA	0.84	7.8	0.66
	Chrysene	1/1	0.430	NA	84[6]	780[6]	0.66[6]
	Benzo(b)fluoranthene	1/1	0.260 J	NA	0.84	7.8	0.66
	Benzo(k)fluoranthene	1/1	0.390 J	NA	8.4	78	0.66
	Benzo(a)pyrene	1/1	0.410 J	NA	0.66	0.78	0.66
	Indeno(1,2,3-cd)pyrene	1/1	0.290 J	NA	0.84[6]	7.8[6]	0.66[6]
	Benzo(g,h,i)pyrene	1/1	0.290 J	NA	NA	NA	NA
TCL Pesticides/ PCBs (mg/kg)	Endrin	1/1	0.0067 J	NA	20	610	NA

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TABLE 3-1 (Continued)
DATA SUMMARY - SOIL [1]
LOWER SUBASE
NSB-NLON, GROTON, CONNECTICUT

Chemical		Frequency of Detection	Range of Detection	Background Concentration[2]	Connecticut Cleanup Standards[3]		
					Direct Exposure		Pollutant Mobility[4]
					Residential	Industrial	
TAL Inorganics: (mg/kg)	Aluminum	1/1	4,060	13,898.1	68,000[6]	2,000,000[6]	NA
	Antimony	1/1	1.3	NA	27	8,200	NA
	Arsenic	1/1	2.1	2.54	0.35	3.3	NA
	Barium	1/1	22.2	40.78	4,700	140,000	NA
	Beryllium	1/1	0.15 J	0.53	0.14	1.3	NA
	Cadmium	1/1	0.11 J	6.9	34	1,000	NA
	Calcium	1/1	742	547.8	NA	NA	NA
	Chromium (total)	1/1	9.1	17.08	100[5]	100[5]	NA
	Cobalt	1/1	2.8	7.07	540[6]	16,000[6]	NA
	Copper	1/1	20.5	18.61	2,500	76,000	NA
	Cobalt	1/1	2.8	7.07	540[6]	16,000[6]	NA
?Lead	Copper	1/1	20.5	18.61	2,500	76,000	NA
	Manganese	1/1	101	153.0	340[6]	10,000[6]	NA
	Nickel	1/1	6.5	10.21	1,400	7,500	NA
	Potassium	1/1	1,330 J	1,508.9	NA	NA	NA
	Sodium	1/1	403	61.58	NA	NA	NA
	Vanadium	1/1	9.6	27.77	420	14,000	NA
	Zinc	1/1	38.6 J	31.94	20,000	610,000	NA
Misc. Parameters: (mg/kg)	TPH	5/5	25.7-2,450 J	NA	500	2,500	200

DRAFT

TABLE 3-1 (Continued)
DATA SUMMARY - SOIL [1]
LOWER SUBASE
NSB-NLON, GROTON, CONNECTICUT

Chemical		Frequency of Detection	Range of Detection	Background Concentration[2]	Connecticut Cleanup Standards[3]		
					Direct Exposure		Pollutant Mobility[4]
					Residential	Industrial	
TCLP Inorganics: (mg/L)	Barium	1/1	0.253	NA	NA	NA	1.0
	Cadmium	1/1	0.0022	NA	NA	NA	0.005
	Chromium (total)	1/1	0.0081	NA	NA	NA	0.05
	Lead	1/1	**51.9**	NA	NA	NA	0.015

J Estimated value; analytical result below Contract Required Quantitation Limit (CRQL).
NA Not available/not applicable.
TAL Target Analyte List.
TCL Target Compound List.
TCLP Toxicity Characterstic Leaching Procedure.
TPH Total Petroleum Hydrocarbons.

(1) Complete analytical results presented in Appendix G.
(2) 95% Upper Confidence Limit (UCL) of background by Atlantic Environmental Services, Inc.(July 1994). UCLs developed as part of the Phase II RI Report (February 1995).
(3) CTDEP Cleanup Standard Regulations (December 1994) appendices presented in Appendix H.
(4) Mobility Criteria for classified GA Area.
(5) Cleanup Standard for hexavalent chromium.
(6) Calculated according to CTDEP Cleanup Standard Regulations (December 1994). See Appendix I for calculations.

Note: Bolded value indicates that concentration exceeds one or more cleanup standard and/or background, if available.

DRAFT

3.2.2 Oil/Sludge

The sample (CSLNV-1105) of oil/sludge was analyzed to determine if the material possessed organic compounds, PCBs, or metals at hazardous concentrations. A summary of positive detections for the sample of oil/sludge with relevant Connecticut Cleanup Standards is presented in Table 3-2.

TCLP chloroform was the only organic compound detected in the oil/sludge. Its concentration (0.012 mg/L) did not exceed the Federal Maximum Concentration.

Of the various inorganic analytes detected, only TCLP lead exceeded cleanup standards. TCLP lead concentration (3.1 mg/L) exceeded the groundwater pollutant mobility.

TABLE 3-2

DATA SUMMARY - OIL/SLUDGE [1]
LOWER SUBASE
NSB-NLON, GROTON, CONNECTICUT

Chemical		Frequency of Detection	Range of Detection	Connecticut Cleanup Standards[2]		
				Direct Exposure		Pollutant Mobility[3]
				Residential	Industrial	
TAL Inorganics:	Barium	1/1	5.0	4,700	140,000	NA
(mg/kg)	Cadmium	1/1	1.0	34	1,000	NA
	Chromium (total)	1/1	11.0	100[4]	100[4]	NA
	Copper	1/1	27.0	2,500	76,000	NA
	Iron	1/1	960	NA	NA	NA
	Lead	1/1	225	500	1,000	NA
	Magnesium	1/1	236	NA	NA	NA
	Manganese	1/1	9.0	340[5]	10,000[5]	NA
	Mercury	1/1	0.026	20	610	NA
	Tin	1/1	25	41,000[5]	1,200,000[5]	NA
	Zinc	1/1	30.0	20,000	610,000	NA
TCLP Organics:	Chloroform	1/1	0.012	NA	NA	0.1[6]
(mg/L)						
TCLP Inorganics:	Lead	1/1	**3.1**	NA	NA	0.015
(mg/L)						

J Estimated value; analytical result below Contract Required Quantitation Limit (CRQL).
NA Not available/not applicable.
TAL Target Analyte List.
TCLP Toxicity Characterstic Leaching Procedure.
(1) Complete analytical results presented in Appendix G.
(2) CTDEP Cleanup Standard Regulations (December 1994) appendices presented in Appendix H.
(3) Mobility Criteria for classified GA Area.
(4) Cleanup Standard for hexavalent chromium.
(5) Calculated according to CTDEP Cleanup Standard Regulations (December 1994). See Appendix I for calculations.
(6) Federal Maximum Contaminant Level (MCL) for trihalomethanes.
Note: Bolded value indicates that concentration exceeds one or more cleanup standard and/or background, if available.

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4.0 REMOVAL SITE EVALUATION

Recommendations for further remedial actions along Albacore Road near Pier 4 are presented in this section. Recommendations were based on evaluation of the data collected during the RSE field investigation and the results of the Phase II RI (Halliburton NUS, February 1995). This evaluation also considers the removal actions performed to date, the potential for recurring releases of petroleum product into the Thames River, and the potential for exposure for receptors on the Lower SUBASE.

Lead is identified as the only potential chemical of concern. Given current and anticipated future industrial land use of the area, direct lead exposures are not likely to occur except during construction activities and are not considered of great concern. It is recommended additional remedial investigations focusing on lead be conducted.

Since no further releases into the Thames River along the bulkhead near Pier 4 have occurred, and due to the location and position of the product at this time, no further removal actions are considered warranted at present.

REFERENCES

Atlantic Environmental Services, Inc. Phase I Remedial Investigation, Naval Submarine Base-New London, Groton, Connecticut. August 1992.

Halliburton NUS Corporation. Phase II Remedial Investigation, Naval Submarine Base-New London, Groton, Connecticut. February 1995.

Naval Environmental Support Office (NESO). Oil Contamination of the Groundwater at SUBASE, New London, Connecticut. 1979.

State of Connecticut Department of Environmental Protection. Proposal for the Connecticut Clean-up Standard Regulations. December 1994.

Wehran Engineering Corporation. Site Investigation-Subsurface Oil Contamination-Lower Subase: Naval Submarine Base, New London-Groton, Connecticut. 1987.

? Removal Action Report

APPENDIX A

BORING LOGS

BORING LOG **NUS CORPORATION**

PROJECT: NSB New London BORING NO.: QW-1
PROJECT NO.: 9594 DATE: 11/29/94 DRILLER: Mark Schock
ELEVATION: 7.86 ft FIELD GEOLOGIST: A. Kendrick
WATER LEVEL DATA:
(Date, Time & Conditions)

Time	SAMPLE NO. & TYPE OR ROD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR ROD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.) OR SCREENED INTERVAL	MATERIAL DESCRIPTION: SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	BOREHOLE CONDITIONS	REMARKS
1120					0.5			Asphalt Cover (0.0-0.5)		
			11							
1340	S-1	0.5-2.2	17 / 16			M-V Dense	lt. Brn + tan	SAND and GRAVEL, dry		Fill Material, concrete at 1.0' in 2nd Hole
1450	S-2	2.2-2.4	50/.2 / 50/.3	1.7/1.7 / 0.3/0.3				Asphalt at 2.2'-2.5'		
			10 / 17					- very hard - Auger refusal offset hole + drill to 3.0'		Fill, no odor or evid. of staining
1505	S-3	3.0-5.0	12 / 13	1.5/2.0		"	"	SAND and GRAVEL, dry		
1430	S-4	5.0-6.0	1/1.0 / 50/0.0	0.5/1.0	6.0					Oil saturated fill
		7.0			6.5			PLANKING ~ 6.0-6.5'		at 6.0' (Sample taken) Auger to 7.0'
		8.0						Auger to 7.0'		
		9.0								
		10.0						Void		
		11.0			11.0					
						V. Soft	Blk.	Black Silty Sludge + Fill		
								EOB @ 11.0'		

REMARKS Drill Rig = Mobile B-61 S-4 - Sample from 5.0-6.0
H.S.A = 8.25" ID (Not sent for analysis

BORING QW-1

PAGE 1 of 1

BORING LOG — **NUS CORPORATION**

PROJECT: NSB New London — BORING NO.: QW-2
PROJECT NO.: 9594 — DATE: 11/30/94 — DRILLER: Mark Schock
ELEVATION: 7.94 ft — FIELD GEOLOGIST: A. Kendrick
WATER LEVEL DATA :
(Date, Time & Conditions)

Time	SAMPLE NO. & TYPE	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY / SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
15:45		1.0			1.0			~0.0-0.3 - Asphalt ~0.3-1.0 - Concrete		
	S-1 1.0-3.0	2.0	17 / 13			M. Dense	H. Brn.	SAND and GRAVEL,		Fill Material
		3.0	10 / 14	1.2/2.0				dry		no odor or evid. of oil.
	S-2 3.0-4.0	4.0	6 / 8	0.5/1.0				"		
16:30	S-3 4.0-6.0	5.0	20 / 18							
	S-4 6.0-6.2	6.0	11 / 9	1.0/2.0	6.0					
		7.0			6.5			Wood from 6.0-6.5 -Spin 4" casing through		
		8.0								
		9.0						VOID 6.5'-10.0'		
12/1 0835		10.0			10.0					
	S-5 10-13	11.0	1/1.0			v. soft	Blk.	Black silty sludge		oil odor.
		12.0	1/1.0					and fill material		No sample recovery
		13.0	1/1.0	0.2/3.0	13.0					
								EOB @ 13.0'		

REMARKS
Sample taken at 4.0-6.0 (BTEX + TPH) 16:30

BORING QW-2

PAGE 1 OF 1

* See Legend on Back

BORING LOG — **NUS CORPORATION**

PROJECT: NSB New London — BORING NO.: QW-3
PROJECT NO.: 9594 — DATE: 12/1/94 — DRILLER: Mark Schock
ELEVATION: 7.86 ft — FIELD GEOLOGIST: A. Kendrick
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE	DEPTH (ft.) OR RUN NO.	BLOWS 5" OR ROD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	1.0			1.0			Asphalt 0.0-0.3' Concrete 0.3'-1.0'		
S-1 1.0-3.0	2.0	22 27			M. Dense	Brn & Blk	SAND + GRAVEL		Fill Material
	3.0	12 10	1.5/2.0				(asphalt frags		
S-2 3.0-5.0	4.0	5 6							
	5.0	4 3	0.3/2.0				"		"
S-3 5.0-6.5	6.0	2 2							very slight odor in samp
	7.0	2	0.4/1.5	6.5 / 7.0			Wood Planking 6.5'-7.0'		obtain for BTEX + TPH
	8.0								
	9.0						VOID		
	10.0			10.0					
							Fill @ 10.0		
							EOB @ 10'		

REMARKS: Spin casing to 7.5'

BORING QW-3

PAGE 1 OF 1

* See Legend on Back

BORING LOG — **NUS CORPORATION**

PROJECT: NSB - NLON / QUAY WALL — BORING NO.: QW-4
PROJECT NO.: 9541 — DATE: 12-5-94 — DRILLER: Mark Shoch / Scott Sm
ELEVATION: 7.80 ft — FIELD GEOLOGIST: Tim Evans / Keith Simpson
WATER LEVEL DATA: @ 0955 River ~ 3.8' BGS QW-4 ~ 4.7' BGS
(Date, Time & Conditions) Cool (50°F) raining 12-5-94 High Tide @ 1039
Low Tide @ 1734

SAMPLE NO. & TYPE	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY · SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY: CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	1.0						Asphalt 3" Concrete 9"		
S-1 @	2.0	12 / 14	1.9/2.0		M Dense	DBrn	Silty Sand & Gravel Tr Brick	SP	M Gr Sand Pebbles-Cobbles
0920	3.0	10 / 14							
S-2 @	4.0	12 / 18	1.0/2.0		M Dense	Tan	Silty Sand Tr Gravel	SP	Gr: Cobbles M-C Gr Sand
0924	5.0	10 / 11							
S-3 @	6.0	20 / 12	0.6/2.0		Dense	Gray	Gravel Cobble Tr Silty Sand (Gneiss)	–	
0934	7.0	22 / 14		7.0					
S-4 @	8.0	7	.25/.25				Silty Sand Some Gravel Wood Planking @ ~7.5'	SP	M-C Gr, Cobbles Wet Oil-Soaked
0940	9.0								Refusal @ ~7.75' (Beam or Pylon?)
	10.0								Move ~4' N Refusal @ ~7.25
1510				10.5'			(Clear to bottom of void)		4" Casing mushrooming in
				TD 10.5					HSA (6¼" ID) thru planking
S-5 @ 7.0'	-	120/1"					wood)		Set 6" SC to 7.5'
							6" SC 0'-7.5'		
							Bentonite 7.0' - 4.0'		
							Send sample QW-4 for TPH + BTEX	to	SW Labs of OK

REMARKS: CME 75 HSA Rig
3" SS Automatic Hammer 140# Wt 30" Drop
4¼" ID Auger ; 6¼" ID Augers ; 4" SC ; 6" SC

BORING QW-4

PAGE 1 OF 1

* See Legend on Back

BORING LOG — **NUS CORPORATION**

PROJECT: NSB-NLON — BORING NO.: QW-5
PROJECT NO.: 9594 — DATE: 12-12-94 — DRILLER: Scott Sambor
ELEVATION: 7.84 ft — FIELD GEOLOGIST: Tim Evans
WATER LEVEL DATA: Low Tide @ 1149
(Date, Time & Conditions) High Tide @ 1739

SAMPLE NO. & TYPE	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	1.0						Asphalt 3" Concrete 9"		
S-1 @	2.0	5 9	1.2/2.0		M Dense	Tan	Silty Sand & Gravel	GP	m-c Gr Pebbles
1126	3.0	7 8							
S-2 @	4.0	7 9	0.1/2.0		M Dense	Gray	Gravel Cobble		~~wet~~ River Level 7.3' BGS @ 1143
1138	5.0	7 7							Wet @ 6' 1154
S-3 @	6.0	2 4			M Dense	Tan	Silty Sand & Gravel		m-c Gr Pebbles
1143	7.0	5 7		7.0			Wood Planking		
4-6' S-4 @	~~8.0~~	5 5					Silty Sand & Gravel		
1154	~~9.0~~	2 3							
S-5 @	10.0	2 3		10.0			Silty Sand & Gravel		Oil/Grease in H_2O
*6-7 1210		50/.1		TD					
							HSA to 6.5'		
							4" Casing 0'-7.5'		
							Pellets 1'-7.5'		
							Cement Foot @ 7.5'		
							5-2" SS		
							* Sample sent to SW Labs of OK		BTEX & TPH

REMARKS: CME 75 HSA Rig
6¼" ID, 9½" OD Augers
2" SS x 2' Automatic Hammer

BORING QW-5

PAGE 1 OF 1

* See Legend on Back

BORING LOG — **NUS CORPORATION**

PROJECT: NSB NLON — BORING NO.: QW-6
PROJECT NO.: 9594 — DATE: 12-13-94 — DRILLER: Terry Brown
ELEVATION: 7.45 ft — FIELD GEOLOGIST: Tim Evans
WATER LEVEL DATA: Low Tide 1238
(Date, Time & Conditions) High Tide 18:27

SAMPLE NO. & TYPE	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY / SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY/ CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	1.0			0.7			Concrete		
S-1 @ 1410	1.5	2 / 1 / 2	0.2/2.0		V Loose	Tan	Silty Sand & some Gravel	SW	M-C Gr Pebbles
S-2 @ 1437	3.5	2 / 4 / 6 / 5	0.1/2.0		Dense	Tan		SW	Poor Recovery
S-3 @ 1439	5.5	4 / 4 / 3 / 2	0.5/2.0		Dense	Tan/Grey		SW	Wet @ ~6-7' River @ ~6.0' @ 1440
S-4 @ 1448	7.5	7 / 4 / 2 / 2	0.3/2.0		V Loose			SW	
S-5 @ 1457	9.5	2 / 2 / 2 / 2	0.3/2.0		V Loose	Gray	Silty Sand	SP	M-VC Gr
S-6 @ 1510	11.5	2 / 2 / 3 / 3	0.75/2.0		V Loose	Gray	Black Organic @ 13.0'	SP	
	13.5	3							
							8¾" Core Drill - 11"		
							2" SS - 6		

REMARKS: Core Drill
8¼" ϕ Thin Wall Corer
CME 75 HSA Rig 2" SS

BORING QW-6

PAGE 1 OF 1

* See Legend on Back

APPENDIX B

SAMPLE LOGSHEETS

HALLIBURTON NUS
Environmental Corporation

SAMPLE LOG SHEET

PAGE 1 OF 1

☐ SURFACE SOIL
☒ SUBSURFACE SOIL
☐ SEDIMENT
☐ LAGOON/POND
☐ OTHER

SAMPLERS SIGNATURE [signature]

SITE NAME NSB New London

SITE NUMBER Quay Wall

ANALYSES

SAMPLE No.	SAMPLE METHOD	DEPTH (FT)	DATE	TIME	SAMPLED BY	CONCENTRATION (L)LOW (H)HIGH	(G)GRAB (C)COMPOSITE	TAL Metals	TCLP Metals	TCL VOA	TCL SVOA	Pest / PCBs	PCBs Only	BTEX	TPH						No. OF CONT TOTAL	SOIL DESCRIPTION
QW-1	Auger	5.0-6.0	11/30/94	1530	AK	M	G	2	2	2	1	1			1						9	Med. to High Conc. Soil/Slud
QW-2	S.S.	5.0-6.0	11/30/94	1630	AK	M	G							2	1						3	Med to Low Conc. soil
QW-3	SS	5.0-6.0	12/1/94	1130	AK	L	G							2	1						3	Low conc. soil
QW-4	SS	7.0-7.25	12/6/94	0940	TSE	L	G							2	1						3	Silty Sand
QW-5	SS	6.0-7.0	12/12/94	1210	TSE	L	G							2	1						3	Silty Sand & Gravel
								20z.	20z	20z	20z	20z	20z	20z	20z							
								2	8	2	8	8	8	2	4							

REMARKS:

LAB: Southwest Labs of OK
1700 West Albany
Broken Arrow OK 74012

ACAD: FORMS\LOG.DWG 2/11/93 MB

Halliburton NUS CORPORATION

SAMPLE LOG SHEET

Page ____ of ____

Container Data

Project Site Name: NSB NLON Project Site Number: 9594

NUS Source No.: RW - Sludge Source Location: Quay Wall

Container Source	Container Description
☐ Drum ☐ Bung Top ☐ Lever Lock ☐ Bolted Ring ☐ Other ____ ☐ Bag / Sack ☐ Tank ☒ Other Navy Haz Waste Hauler	Color: Gray Condition: Good Markings: Navy Vol. of Contents: 3/4 Full Other:

Disposition of Sample

☒ Container Sampled

☐ Container opened but not sampled. Reason ____

Container not opened. Reason ____

Sample Description

	Layer 1	Layer 2	Layer 3
Phase	☐Sol. ☒Liq.	☐Sol. ☐Liq.	☐Sol. ☐Liq.
Color	Black		
Viscosity	☐L ☒M ☐H	☐L ☐M ☐H	☐L ☐M ☐H
~~% of Total Volume~~	Oil Sludge		
Other	Surface		

Monitor Reading:

Sample Method: Plastic Bailer

Type of Sample

☒ Low Concentration
☐ High Concentration

☒ Grab
☐ Composite
☐ Grab - Composite

Sample Date & Time: 12/7/94 1525

Sampled By: TE / KS

Signature(s):

Analysis: Specific Gravity

	Organic	Inorganic
Traffic Report #		
Tag #		
AB #		
Date Shipped		
Time Shipped		
Lab		
Volume		

SAMPLE LOG SHEET

HALLIBURTON NUS
Environmental Corporation

- ☐ Monitoring Well Data
- ☐ Domestic Well Data
- ☒ Other Equipment Blank

Page ____ of ____

Case # ____

By ____

Project Site Name NSB-NLON Project Site Number 9594

NUS Source No. EB-5 Source Location Gray Wall

Total Well Depth:	Purge Data				
Well Casing Size & Depth:	Volume	pH	S.C.	Temp. (°C)	Color & Turbidity
Static Water Level:					
One Casing Volume:					
Start Purge (hrs.):					
End Purge (hrs.):					
Total Purge Time (min.):					
Total Amount Purged (gal.):					
Monitor Reading:					
Purge Method:					
Sample Method:					
Depth Sampled:					

Sample Date & Time:	Sample Data			
11-30-94 1640	pH	S.C.	Temp. (°C)	Color & Turbidity
Sampled By: TJE				

Signature(s):

Observations / Notes:

Equipment Rinsate Blank of Stainless Steel Trowel

Type of Sample
- ☒ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative				
TCL VOC	HCl				
TCL SVOC					
TCL Pest/PCB					
TAL Metals +	HNO_3				
Boron					
TPH	H_2SO_4				

SAMPLE LOG SHEET

HALLIBURTON NUS
Environmental Corporation

☐ Monitoring Well Data
☐ Domestic Well Data
☒ Other Trip Blank

Page ____ of ____
Case # ____
By ____

Project Site Name NSB NLON Project Site Number 9594
NUS Source No. TB-10 Source Location Quay Wall

Total Well Depth:	Purge Data				
Well Casing Size & Depth:	Volume	pH	S.C.	Temp. (°C)	Color & Turbidity
Static Water Level:					
One Casing Volume:					
Start Purge (hrs.):					
End Purge (hrs.):					
Total Purge Time (min.):					
Total Amount Purged (gal.):					
Monitor Reading:					
Purge Method:					
Sample Method:					
Depth Sampled:					

Sample Date & Time: 10-26-94 0940	Sample Data			
	pH	S.C.	Temp. (°C)	Color & Turbidity
Sampled By: SW Labs of OK				

Signature(s):

Type of Sample
- ☒ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Observations / Notes:

Lab prepared trip blank

Sent w/ samples 12/13/94

Analysis:	Preservative
TCL VOC	HCl

APPENDIX C

CHAIN OF CUSTODY RECORDS

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature] [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 oz glass BTEX	8 oz glass TPH	2 oz glass TCL VOCs	~~8 oz glass TPH~~	8 oz glass TCL pest/PCB	~~8 oz glass TCL pest/PCB~~	~~TBE~~ 40 mL vial TCL VOC	1L Amber TCL SVOC	1L PE TAL Metals	1L PE CN	1L Amber TCL pest/PCB	1L Amber TOC	REMARKS
Lower Subase	12/5/94	0940		✓	QW-4	3	2	1											
UPPER ROCK LAKE	12/6/94	1100		✓	SW-01	9							2	2	1	1	2	1	
"	"	1115		✓	SD-01	3			2	X TBE	1								
"	"	1125		✓	SD-02	3			2		1								

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	12.6.94 1630				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SW LAB AB# 2399778946	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Timothy S C

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 oz glass BTEX	4 oz glass TPH	40 ml vial TCL VOC				REMARKS
Quay wall	12/13/94	1210		✓	QW-5	3	2	1					
	10/20/94	0940		✓	TB-10	2			2				Trip Blank

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
Timothy S C	12-13-94 1200				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	

Order No. 7044

CHAIN OF CUSTODY RECORD

Lower Base

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Andrew Kendrick

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 oz Glass	8 oz Glass	4 oz Glass ICE				REMARKS
Lower Base	11/30/94	1630		✓	QW-2	3	2	1					
↓	12/1/94	1530		✓	QW-3	3	2	1					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	12-1-94 1800				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: FedEx AB# 1699904194	

Order No. 70440

CHAIN OF CUSTODY RECORD

9594/1300

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Andrew Kendrick

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 oz glass TCL VOAs	4 oz glass TPH	6 oz glass TCL SVOC, PAH/PCB	8 oz glass TCL Metals	40 ml vial TCL VOA	1 L amber TCL SVOC	1 L Amber TCL PAH/PCB	1 L PE TAL Metals & Cyanide	1 L Amber TPH	REMARKS
Lower Basr	11/30/94	1530		✓	QW-1	6	2	1	1	2						
↓	↓	1640		✓	EB-5	9				2	2	2	2	1	2	Equip Blank

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	11-30-94 1800				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Air Bill No. 169990 4124 South West Labs	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
4594	NSB-NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	AROMATIC GRAVITY						REMARKS
VAC TRUCK	12/7	1525		—	QW-SLUDGE	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	12.7.94 1630	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SW LAB A.B.# 1699904275	

Order No. 70440 (0693)

APPENDIX D

WELL CONSTRUCTION SHEETS

HALLIBURTON NUS
Environmental Corporation

BORING NO.: [illegible]

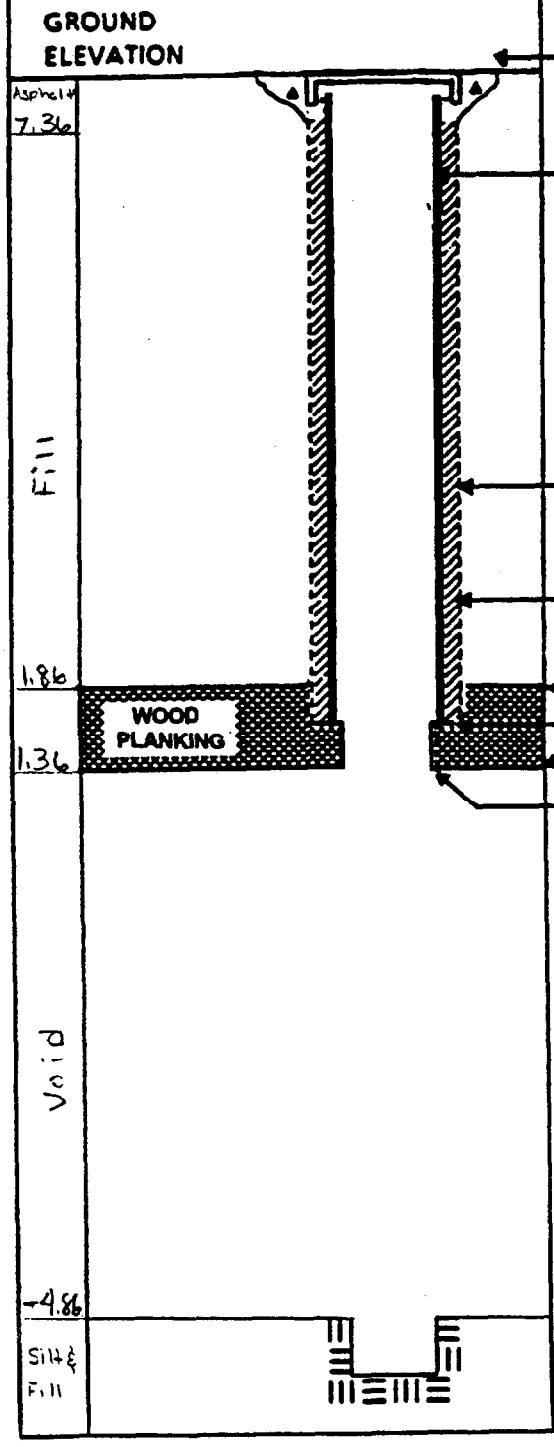
MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB NLON
PROJECT NO.: 9594
ELEVATION: 7.86 ft msl
FIELD GEOLOGIST: A. Kendrick

LOCATION: Groton, CT
BORING: QW-1
DATE: 11-29-94

DRILLER: Mark Shock
DRILLING METHOD: HSA
DEVELOPMENT METHOD: N/A



TYPE OF SURFACE SEAL: Concrete Pad w/ 8 in ø curb box

I.D. OF CASING: 6 in

TYPE OF CASING: Steel

TEMP. / PERM.: Permanent

DIAMETER OF HOLE: 6½ in

TYPE OF CASING SEAL: Cement/Bentonite Grout

ELEVATION / DEPTH TOP WOOD PLANKING: 1.86/6.0

ELEVATION / DEPTH BOTTOM OF CASING: 1.36/6.5

ELEVATION / DEPTH BOT. WOOD PLANKING: 1.36/6.5

DIAMETER OF HOLE IN WOOD PLANKING: 4.0 in

TOTAL ELEV/DEPTH OF HOLE: -4.86/11.0 ft

BORING NO.: _____

HALLIBURTON NUS
Environmental Corporation

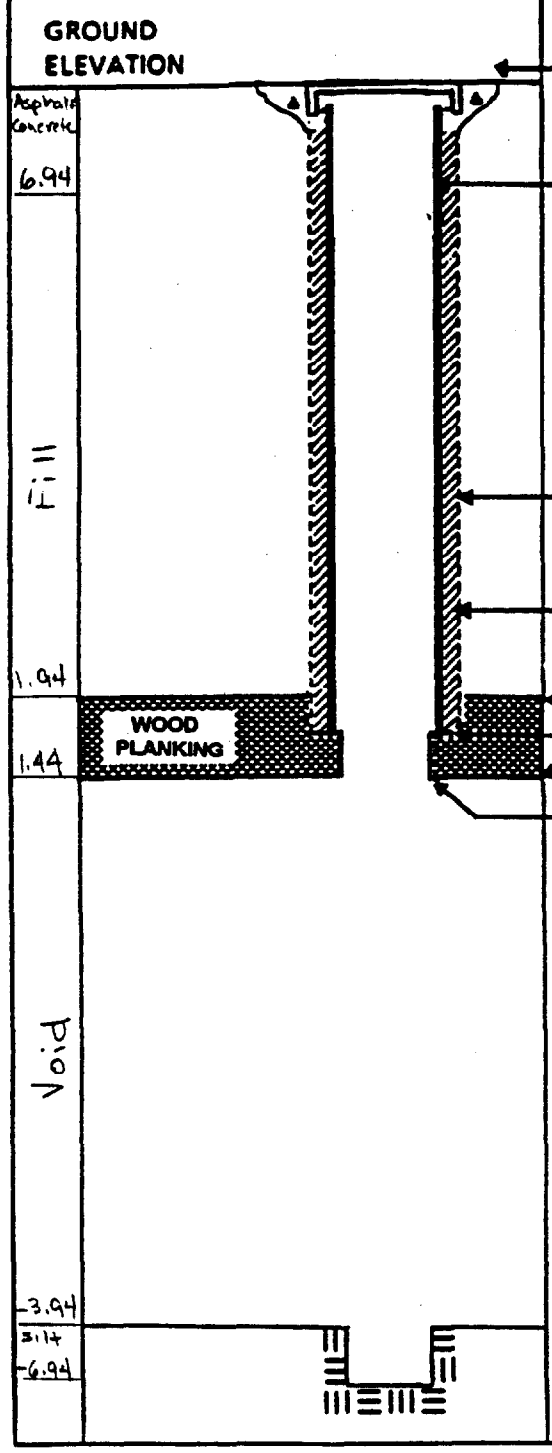
MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB NLON
PROJECT NO.: 9594
ELEVATION: 7.94 ft msl
FIELD GEOLOGIST: A. Kendrick

LOCATION: Groton, CT
BORING: QW-2
DATE: 11-30-94

DRILLER: Mark Shock
DRILLING METHOD: HSA
DEVELOPMENT METHOD: N/A



TYPE OF SURFACE SEAL: Concrete Pad w/ 6in ø curb box

I.D. OF CASING: 4 in

TYPE OF CASING: Steel

TEMP. / PERM.: Permanent

DIAMETER OF HOLE: 6½ in

TYPE OF CASING SEAL: Cement / Bentonite Grout

ELEVATION / DEPTH TOP WOOD PLANKING: 1.94 ft / 6.0 ft

ELEVATION / DEPTH BOTTOM OF CASING: —

ELEVATION / DEPTH BOT. WOOD PLANKING: 1.44 / 6.0

DIAMETER OF HOLE IN WOOD PLANKING: 4 in

TOTAL ELEV/DEPTH OF HOLE: -6.94 / 13.0 ft

HALLIBURTON NUS
Environmental Corporation

BORING NO.: _____

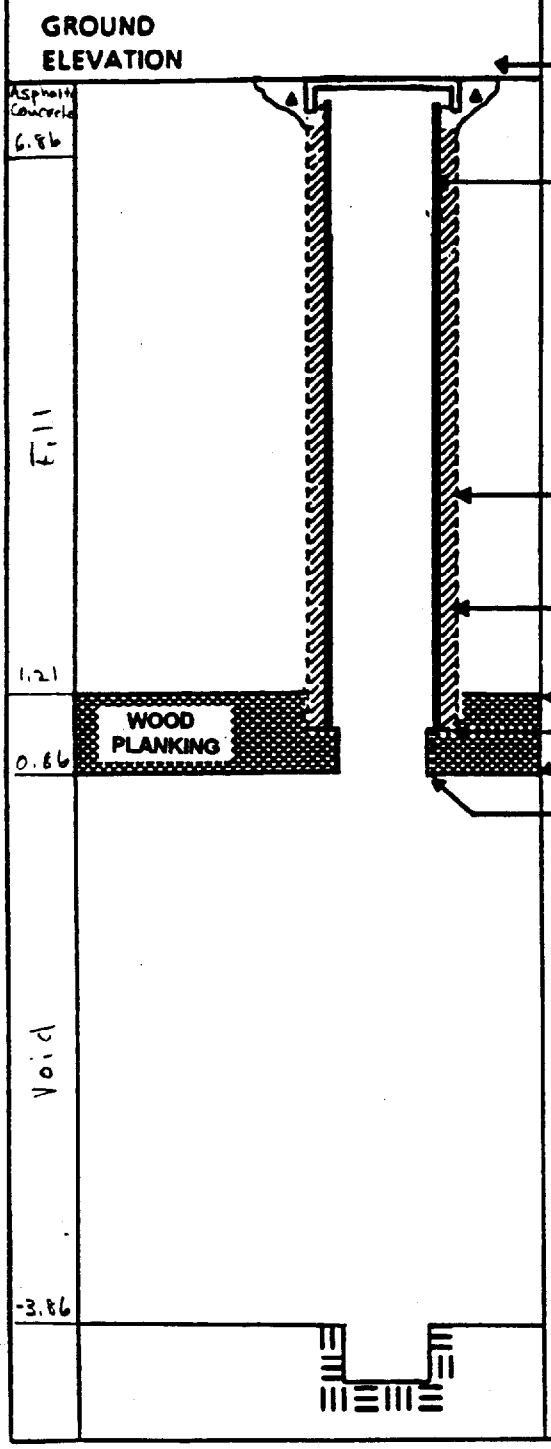
MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB NLON
PROJECT NO.: 9594
ELEVATION: 7.86 ft msl
FIELD GEOLOGIST: A. Kendrick

LOCATION: Groton, CT
BORING: QW-2
DATE: 12-1-94

DRILLER: Mark Shock
DRILLING METHOD: HSA
DEVELOPMENT METHOD: N/A



TYPE OF SURFACE SEAL: Concrete Pad w/ 6in ø curb box

I.D. OF CASING: 4 in

TYPE OF CASING: Steel

TEMP. / PERM.: Permanent

DIAMETER OF HOLE: 6½ in

TYPE OF CASING SEAL: Cement / Bentonite Grout

ELEVATION / DEPTH TOP WOOD PLANKING: 1.21 / 6.5

ELEVATION / DEPTH BOTTOM OF CASING: 0.86 / 7.0

ELEVATION / DEPTH BOT. WOOD PLANKING: 0.86 / 7.0

DIAMETER OF HOLE IN WOOD PLANKING: 4.0 in

TOTAL ELEV/DEPTH OF HOLE: -3.86 / 10.0 ft

HALLIBURTON NUS
Environmental Corporation

BORING NO.: _____

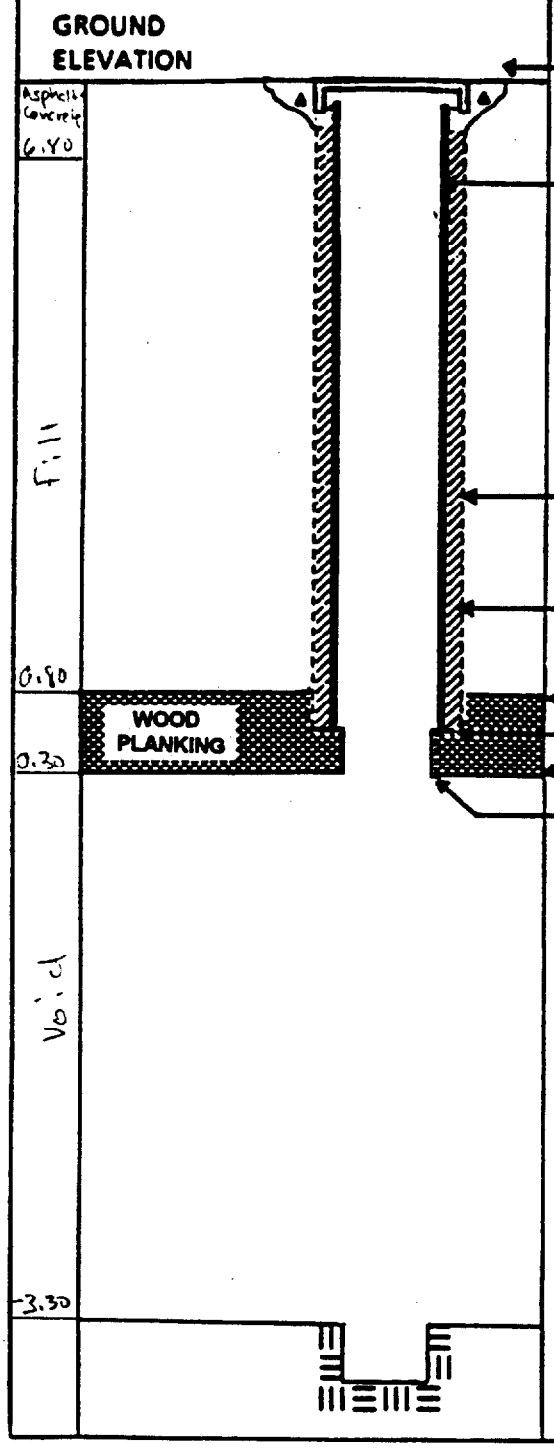
MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB NLON
PROJECT NO.: 9594
ELEVATION: 7.80 ft MSL
FIELD GEOLOGIST: T. Evans

LOCATION: Groton, CT
BORING: QW-4
DATE: 12-5-94

DRILLER: Mark Shock
DRILLING METHOD: HSA
DEVELOPMENT METHOD: N/A



TYPE OF SURFACE SEAL: Concrete Pad w/ 8 in Ø curb box

I.D. OF CASING: 6 in

TYPE OF CASING: Steel

TEMP. / PERM.: Permanent

DIAMETER OF HOLE: 6 1/2 in

TYPE OF CASING SEAL: Cement / Bentonite Grout

ELEVATION / DEPTH TOP WOOD PLANKING: 0.80' / 7.0'

ELEVATION / DEPTH BOTTOM OF CASING: 0.30' / 7.5'

ELEVATION / DEPTH BOT. WOOD PLANKING: 0.30 / 7.5'

DIAMETER OF HOLE IN WOOD PLANKING: 6 in

TOTAL ELEV/DEPTH OF HOLE: -3.30 / 10.5 ft

HALLIBURTON NUS
Environmental Corporation

BORING NO.: _____

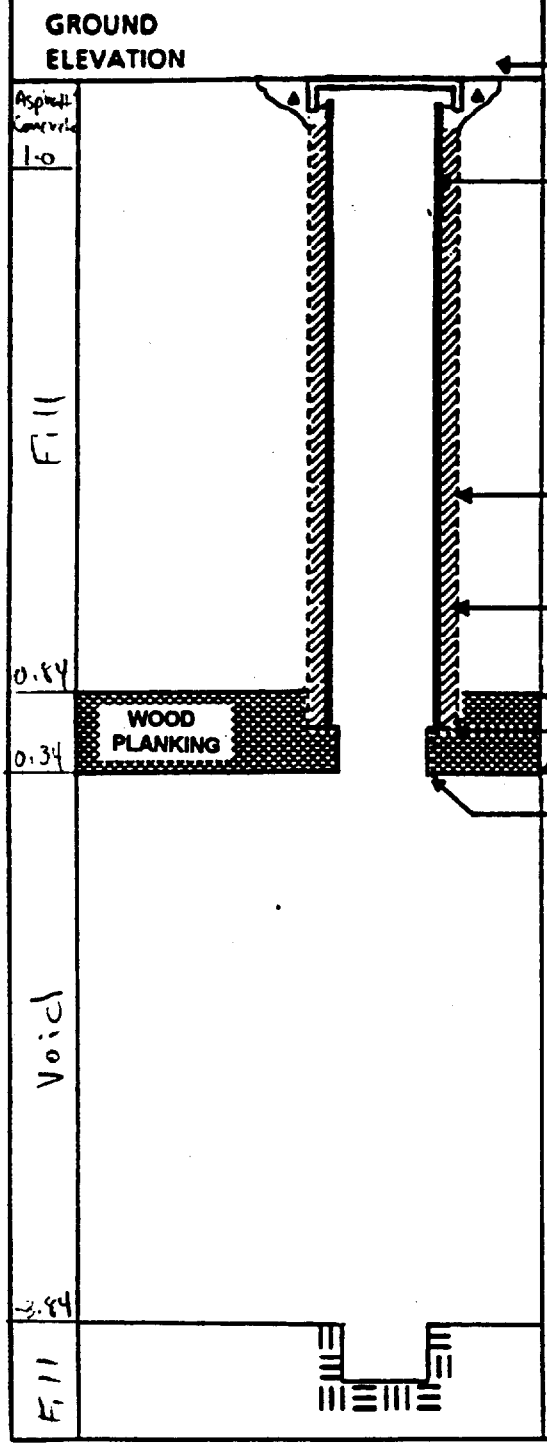
MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB NLON
PROJECT NO.: 9594
ELEVATION: 7.84 ft msl
FIELD GEOLOGIST: T. Evans

LOCATION: Groton, CT
BORING: QW-5
DATE: 12-12-94

DRILLER: Scott Sambor
DRILLING METHOD: HSA
DEVELOPMENT METHOD: N/A



TYPE OF SURFACE SEAL: Concrete Pad w/ 6 in ø curb box

I.D. OF CASING: 4 in

TYPE OF CASING: Steel

TEMP. / PERM.: Permanent

DIAMETER OF HOLE: 10

TYPE OF CASING SEAL: Cement / Bentonite Grout

ELEVATION / DEPTH TOP WOOD PLANKING: 0.84 / 7.0

ELEVATION / DEPTH BOTTOM OF CASING: 0.34 / 7.5

ELEVATION / DEPTH BOT. WOOD PLANKING: 0.34 / 7.5

DIAMETER OF HOLE IN WOOD PLANKING: 4 in

TOTAL ELEV/DEPTH OF HOLE: -3.84 / 10.0 ft

APPENDIX E

DYE/RECOVERY TEST
WATER LEVEL MEASUREMENT SHEETS

GROUNDWATER LEVEL MEASUREMENT SHEET

Halliburton NUS CORPORATION

Project Name: - NSB-NLON
Location: Lower Subase
Weather Conditions: overcast 50°F
Tidally Influenced Yes ✓ No ___

Project No.: 9594 / 1300
Personnel: KS / RE
Measuring Device: M-scope
Remarks: Dye test

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
QW-3	12-7-94	0924			5.73			
		0953			5.40			
		1012			5.15			
QW-1	12-7-94	1000			5.23			
		1009			5.09			
		1021			5.02			
		1031			4.91			
		1049			4.62			
		1113			4.59			
		1124			4.47			
		1402			4.40			

* All measurements to the nearest 0.01 foot

QW-1
QW-3

GROUNDWATER LEVEL MEASUREMENT SHEET

Halliburton NUS CORPORATION

Project Name: NSB-N LON/Quay Wall
Location: Lower Subase
Weather Conditions: overcast 50°F
Tidally Influenced Yes ✓ No ___

Project No.: 9594 / 1306
Personnel: KS, TE
Measuring Device: M-Scope
Remarks: Dye Test

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
QW-2	12-7-94	0923			5.81			
		0951			5.55			
		1003			5.35			
		1012			5.30			
		1023			5.02			
		1034			5.06			
		1051			4.74			
		1115			4.63			
		1126			4.52			
		1406			4.47			

* All measurements to the nearest 0.01 foot

QW-2

GROUNDWATER LEVEL MEASUREMENT SHEET

Halliburton NUS CORPORATION

Project Name: NSB - NLON
Location: Lower Subase
Weather Conditions: overcast 50°F
Tidally Influenced Yes ✓ No ___

Project No.: 9594 / 1300
Personnel: KS / RE
Measuring Device: M-Scope
Remarks: Dye test

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
QW-4	12-7-94	0925			5.68'			
		1353			4.20			No Dye

* All measurements to the nearest 0.01 foot

QW-4

GROUNDWATER LEVEL MEASUREMENT SHEET

Halliburton NUS CORPORATION

Project Name: - NSB NLON
Location: Lower Subase
Weather Conditions: overcast 50°F
Tidally Influenced Yes ✓ No ___

Project No.: 9594 / 1300
Personnel: KS / TE
Measuring Device: M-Scope
Remarks: Dye Test

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
13MW16	12-7-94	0923			5.58			
		0940			5.26			
		0949			5.10			
		1001			5.01			
		1011			4.86			
		1022			4.67			
		1033			~~4.64~~	4.58		
		1050			4.42			
		1114			4.26			
		1125			4.16			
		1358		19.85	4.22			No Dye

* All measurements to the nearest 0.01 foot

13MW16

GROUNDWATER LEVEL MEASUREMENT SHEET

Halliburton NUS CORPORATION

Project Name: NSB-NLON
Location: Lower Sibase
Weather Conditions: overcast 50°F
Tidally Influenced Yes ✓ No ___

Project No.: 9594 / 1300
Personnel: CS / TE
Measuring Device: M-Scope
Remarks: Dye Test

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
*STM-2	12-7-94	0925			6.25			
		0941			6.05			
TE		~~0949~~			~~5.10~~			
		1001			5.76			
		1011			5.69			
		1022			5.52			
		1032			5.40			
		1049			5.20			
		1114			5.02			
		1125			4.94			
		1403			4.90			

* All measurements to the nearest 0.01 foot

* Storm Sewer manhole

STM. 2

GROUNDWATER LEVEL MEASUREMENT SHEET

Halliburton NUS CORPORATION

Project Name: NSB- NLON
Location: Lower Subase
Weather Conditions: Overcast 50°F
Tidally Influenced Yes ✓ No ___

Project No.: 9594 / 1300
Personnel: KS / TE
Measuring Device: M-scope
Remarks: Dye Test

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
QW-SG	12-7-94	0920			6.12			
		0946			5.77			
		0950			5.67			
		1002			5.52			
		1009			5.53			
		1020			5.35			
		1030			5.20			
		1045			5.04			
		1112			4.89			
		1123			4.75			
		1351			4.69			

* All measurements to the nearest 0.01 foot

QW-SG

APPENDIX F

TIDAL DATA

Reference Point Elevation assumed 7.5 feet MSL

Number of TUBERs:1
Channel Number : 0
TUBER Addresses :1
Serial Numbers :20694
Site Names :QW-SG
Engineer Names :TSE
Number of Logs : 2462
Depth : 10.9499
Ordnance Data : 0
Imp / Metric :Feet
Well / Ordnance :Wellhead
Start Date :12-13-1994
Start Time :08:48:07
Initial Reading :0
WakeUp Period :1
Number of Rates :1
IntervalSamples 1800

Date	Time	Depth
12/13/94	8:48:07	5.641
12/13/94	9:18:07	5.835
12/13/94	9:48:07	6.183
12/13/94	10:18:07	6.468
12/13/94	10:48:07	6.693
12/13/94	11:18:07	6.989
12/13/94	11:48:07	7.101
12/13/94	12:18:07	7.224
12/13/94	12:48:07	7.346
12/13/94	13:18:07	7.295
12/13/94	13:48:07	7.163
12/13/94	14:18:07	6.958
12/13/94	14:48:07	6.704
12/13/94	15:18:07	6.408
12/13/94	15:48:07	6.163
12/13/94	16:18:07	6.02
12/13/94	16:48:07	5.785
12/13/94	17:18:07	5.632
12/13/94	17:48:07	5.622
12/13/94	18:18:07	5.581
12/13/94	18:48:07	5.632
12/13/94	19:18:07	5.744
12/13/94	19:48:07	5.867
12/13/94	20:18:07	6.02
12/13/94	20:48:07	6.173
12/13/94	21:18:07	6.316
12/13/94	21:48:07	6.428
12/13/94	22:18:07	6.55
12/13/94	22:48:07	6.673
12/13/94	23:18:07	6.795
12/13/94	23:48:07	6.867
12/14/94	0:18:07	6.836
12/14/94	0:48:07	6.795
12/14/94	1:18:07	6.602
12/14/94	1:48:07	6.336
12/14/94	2:18:07	6.173
12/14/94	2:48:07	5.918
12/14/94	3:18:07	5.652
12/14/94	3:48:07	5.377
12/14/94	4:18:07	5.009
12/14/94	4:48:07	4.723
12/14/94	5:18:07	4.407
12/14/94	5:48:07	4.182
12/14/94	6:18:07	4.131
12/14/94	6:48:07	4.07
12/14/94	7:18:07	4.131
12/14/94	7:48:07	4.305
12/14/94	8:18:07	4.489
12/14/94	8:48:07	4.621
12/14/94	9:18:07	5.009
12/14/94	9:48:07	5.213
12/14/94	10:18:07	5.581
12/14/94	10:48:07	5.897
12/14/94	11:18:07	6.122
12/14/94	11:48:07	6.499
12/14/94	12:18:07	6.714
12/14/94	12:48:07	6.857
12/14/94	13:18:07	6.989
12/14/94	13:48:07	6.989
12/14/94	14:18:07	6.836
12/14/94	14:48:07	6.663
12/14/94	15:18:07	6.448
12/14/94	15:48:07	6.111
12/14/94	16:18:07	5.795
12/14/94	16:48:07	5.642
12/14/94	17:18:07	5.458
12/14/94	17:48:07	5.284
12/14/94	18:18:07	5.203
12/14/94	18:48:07	5.182
12/14/94	19:18:07	5.203
12/14/94	19:48:07	5.223
12/14/94	20:18:07	5.366
12/14/94	20:48:07	5.529
12/14/94	21:18:07	5.57
12/14/94	21:48:07	5.805
12/14/94	22:18:07	5.999
12/14/94	22:48:07	6.142
12/14/94	23:18:07	6.356
12/14/94	23:48:07	6.55
12/15/94	0:18:07	6.785
12/15/94	0:48:07	6.826
12/15/94	1:18:07	6.775
12/15/94	1:48:07	6.693
12/15/94	2:18:07	6.632
12/15/94	2:48:07	6.428
12/15/94	3:18:07	6.152
12/15/94	3:48:07	5.968
12/15/94	4:18:07	5.662
12/15/94	4:48:07	5.315
12/15/94	5:18:07	5.081
12/15/94	5:48:07	4.866
12/15/94	6:18:07	4.662
12/15/94	6:48:07	4.56
12/15/94	7:18:07	4.417
12/15/94	7:48:07	4.315
12/15/94	8:18:07	4.397
12/15/94	8:48:07	4.56
12/15/94	9:18:07	4.764
12/15/94	9:48:07	5.121
12/15/94	10:18:07	5.407
12/15/94	10:48:07	5.621
12/15/94	11:18:07	5.744
12/15/94	11:48:07	6.019
12/15/94	12:18:07	6.264
12/15/94	12:48:07	6.448
12/15/94	13:18:07	6.683
12/15/94	13:48:07	6.703
12/15/94	14:18:07	6.713
12/15/94	14:48:07	6.734
12/15/94	15:18:07	6.601
12/15/94	15:48:07	6.315
12/15/94	16:18:07	5.968
12/15/94	16:48:07	5.682
12/15/94	17:18:07	5.386
12/15/94	17:48:07	5.141
12/15/94	18:18:07	4.968
12/15/94	18:48:07	4.845
12/15/94	19:18:07	4.825
12/15/94	19:48:07	4.845
12/15/94	20:18:07	4.876
12/15/94	20:48:07	4.947
12/15/94	21:18:07	4.988
12/15/94	21:48:07	5.141
12/15/94	22:18:07	5.264
12/15/94	22:48:07	5.448
12/15/94	23:18:07	5.672
12/15/94	23:48:07	5.938
12/16/94	0:18:07	6.203
12/16/94	0:48:07	6.458

12/16/94	1:18:07	6.54	12/17/94	1:48:07	6.121	12/18/94	2:18:07	5.917
12/16/94	1:48:07	6.632	12/17/94	2:18:07	6.233	12/18/94	2:48:07	6.019
12/16/94	2:18:07	6.611	12/17/94	2:48:07	6.101	12/18/94	3:18:07	5.968
12/16/94	2:48:07	6.366	12/17/94	3:18:07	5.978	12/18/94	3:48:07	6.019
12/16/94	3:18:07	6.121	12/17/94	3:48:07	5.876	12/18/94	4:18:07	5.856
12/16/94	3:48:07	5.917	12/17/94	4:18:07	5.59	12/18/94	4:48:07	5.651
12/16/94	4:18:07	5.591	12/17/94	4:48:07	5.355	12/18/94	5:18:07	5.376
12/16/94	4:48:07	5.386	12/17/94	5:18:07	5.172	12/18/94	5:48:07	5.172
12/16/94	5:18:07	5.172	12/17/94	5:48:07	4.671	12/18/94	6:18:07	4.814
12/16/94	5:48:07	4.927	12/17/94	6:18:07	4.437	12/18/94	6:48:07	4.671
12/16/94	6:18:07	4.631	12/17/94	6:48:07	4.192	12/18/94	7:18:07	4.518
12/16/94	6:48:07	4.406	12/17/94	7:18:07	3.804	12/18/94	7:48:07	4.181
12/16/94	7:18:07	4.243	12/17/94	7:48:07	3.569	12/18/94	8:18:07	4.059
12/16/94	7:48:07	4.059	12/17/94	8:18:07	3.467	12/18/94	8:48:07	3.987
12/16/94	8:18:07	3.998	12/17/94	8:48:07	3.436	12/18/94	9:18:07	3.742
12/16/94	8:48:07	4.059	12/17/94	9:18:07	3.6	12/18/94	9:48:07	3.977
12/16/94	9:18:07	4.192	12/17/94	9:48:07	3.804	12/18/94	10:18:07	4.11
12/16/94	9:48:07	4.467	12/17/94	10:18:07	3.977	12/18/94	10:48:07	4.447
12/16/94	10:18:07	4.733	12/17/94	10:48:07	4.284	12/18/94	11:18:07	4.702
12/16/94	10:48:07	5.029	12/17/94	11:18:07	4.457	12/18/94	11:48:07	4.876
12/16/94	11:18:07	5.417	12/17/94	11:48:07	4.763	12/18/94	12:18:07	5.355
12/16/94	11:48:07	5.723	12/17/94	12:18:07	5.039	12/18/94	12:48:07	5.519
12/16/94	12:18:07	5.999	12/17/94	12:48:07	5.315	12/18/94	13:18:07	5.886
12/16/94	12:48:07	6.193	12/17/94	13:18:07	5.733	12/18/94	13:48:07	6.111
12/16/94	13:18:07	6.54	12/17/94	13:48:07	6.019	12/18/94	14:18:07	6.203
12/16/94	13:48:07	6.764	12/17/94	14:18:07	6.244	12/18/94	14:48:07	6.478
12/16/94	14:18:07	6.907	12/17/94	14:48:07	6.499	12/18/94	15:18:07	6.642
12/16/94	14:48:07	6.968	12/17/94	15:18:07	6.632	12/18/94	15:48:07	6.774
12/16/94	15:18:07	6.989	12/17/94	15:48:07	6.54	12/18/94	16:18:07	6.734
12/16/94	15:48:07	6.846	12/17/94	16:18:07	6.397	12/18/94	16:48:07	6.642
12/16/94	16:18:07	6.519	12/17/94	16:48:07	6.172	12/18/94	17:18:07	6.305
12/16/94	16:48:07	6.233	12/17/94	17:18:07	5.825	12/18/94	17:48:07	6.039
12/16/94	17:18:07	5.907	12/17/94	17:48:07	5.458	12/18/94	18:18:07	5.743
12/16/94	17:48:07	5.58	12/17/94	18:18:07	5.141	12/18/94	18:48:07	5.437
12/16/94	18:18:07	5.233	12/17/94	18:48:07	4.865	12/18/94	19:18:07	5.223
12/16/94	18:48:07	5.07	12/17/94	19:18:07	4.712	12/18/94	19:48:07	5.018
12/16/94	19:18:07	4.896	12/17/94	19:48:07	4.559	12/18/94	20:18:07	4.743
12/16/94	19:48:07	4.753	12/17/94	20:18:07	4.385	12/18/94	20:48:07	4.569
12/16/94	20:18:07	4.723	12/17/94	20:48:07	4.304	12/18/94	21:18:07	4.477
12/16/94	20:48:07	4.733	12/17/94	21:18:07	4.202	12/18/94	21:48:07	4.437
12/16/94	21:18:07	4.712	12/17/94	21:48:07	4.171	12/18/94	22:18:07	4.447
12/16/94	21:48:07	4.743	12/17/94	22:18:07	4.294	12/18/94	22:48:07	4.6
12/16/94	22:18:07	4.947	12/17/94	22:48:07	4.416	12/18/94	23:18:07	4.804
12/16/94	22:48:07	4.988	12/17/94	23:18:07	4.63	12/18/94	23:48:07	4.947
12/16/94	23:18:07	5.121	12/17/94	23:48:07	4.784	12/19/94	0:18:07	5.11
12/16/94	23:48:07	5.355	12/18/94	0:18:07	5.029	12/19/94	0:48:07	5.264
12/17/94	0:18:07	5.57	12/18/94	0:48:07	5.335	12/19/94	1:18:07	5.488
12/17/94	0:48:07	5.805	12/18/94	1:18:07	5.519	12/19/94	1:48:07	5.713
12/17/94	1:18:07	5.999	12/18/94	1:48:07	5.682	12/19/94	2:18:07	5.978

12/19/94	2:48:07	6.284	12/20/94	3:18:07	6.683	12/21/94	3:48:07	6.826
12/19/94	3:18:07	6.499	12/20/94	3:48:07	6.907	12/21/94	4:18:07	7.009
12/19/94	3:48:07	6.468	12/20/94	4:18:07	6.928	12/21/94	4:48:07	7.112
12/19/94	4:18:07	6.325	12/20/94	4:48:07	6.866	12/21/94	5:18:07	7.091
12/19/94	4:48:07	6.111	12/20/94	5:18:07	6.795	12/21/94	5:48:07	7.061
12/19/94	5:18:07	5.907	12/20/94	5:48:07	6.509	12/21/94	6:18:07	6.846
12/19/94	5:48:07	5.509	12/20/94	6:18:07	6.131	12/21/94	6:48:07	6.591
12/19/94	6:18:07	5.192	12/20/94	6:48:07	5.825	12/21/94	7:18:07	6.346
12/19/94	6:48:07	4.947	12/20/94	7:18:07	5.662	12/21/94	7:48:07	6.07
12/19/94	7:18:07	4.682	12/20/94	7:48:07	5.407	12/21/94	8:18:07	5.835
12/19/94	7:48:07	4.406	12/20/94	8:18:07	5.131	12/21/94	8:48:07	5.57
12/19/94	8:18:07	4.273	12/20/94	8:48:07	4.957	12/21/94	9:18:07	5.325
12/19/94	8:48:07	4.039	12/20/94	9:18:07	4.753	12/21/94	9:48:07	5.162
12/19/94	9:18:07	3.824	12/20/94	9:48:07	4.529	12/21/94	10:18:07	4.988
12/19/94	9:48:07	3.773	12/20/94	10:18:07	4.478	12/21/94	10:48:07	4.835
12/19/94	10:18:07	3.834	12/20/94	10:48:07	4.294	12/21/94	11:18:07	4.876
12/19/94	10:48:07	3.936	12/20/94	11:18:07	4.6	12/21/94	11:48:07	4.876
12/19/94	11:18:07	4.263	12/20/94	11:48:07	4.907	12/21/94	12:18:07	5.07
12/19/94	11:48:07	4.661	12/20/94	12:18:07	5.162	12/21/94	12:48:07	5.478
12/19/94	12:18:07	4.835	12/20/94	12:48:07	5.468	12/21/94	13:18:07	5.662
12/19/94	12:48:07	5.121	12/20/94	13:18:07	5.764	12/21/94	13:48:07	5.927
12/19/94	13:18:07	5.437	12/20/94	13:48:07	6.019	12/21/94	14:18:07	6.356
12/19/94	13:48:07	5.703	12/20/94	14:18:07	6.285	12/21/94	14:48:07	6.601
12/19/94	14:18:07	6.009	12/20/94	14:48:07	6.53	12/21/94	15:18:07	6.805
12/19/94	14:48:07	6.407	12/20/94	15:18:07	6.856	12/21/94	15:48:07	7.101
12/19/94	15:18:07	6.662	12/20/94	15:48:07	7.173	12/21/94	16:18:07	7.428
12/19/94	15:48:07	6.897	12/20/94	16:18:07	7.459	12/21/94	16:48:07	7.653
12/19/94	16:18:07	7.081	12/20/94	16:48:07	7.581	12/21/94	17:18:07	7.785
12/19/94	16:48:07	7.05	12/20/94	17:18:07	7.653	12/21/94	17:48:07	7.877
12/19/94	17:18:07	6.958	12/20/94	17:48:07	7.469	12/21/94	18:18:07	7.806
12/19/94	17:48:07	6.764	12/20/94	18:18:07	7.224	12/21/94	18:48:07	7.632
12/19/94	18:18:07	6.428	12/20/94	18:48:07	6.897	12/21/94	19:18:07	7.316
12/19/94	18:48:07	6.152	12/20/94	19:18:07	6.591	12/21/94	19:48:07	7.05
12/19/94	19:18:07	5.876	12/20/94	19:48:07	6.285	12/21/94	20:18:07	6.713
12/19/94	19:48:07	5.59	12/20/94	20:18:07	5.989	12/21/94	20:48:07	6.407
12/19/94	20:18:07	5.366	12/20/94	20:48:07	5.805	12/21/94	21:18:07	6.121
12/19/94	20:48:07	5.202	12/20/94	21:18:07	5.529	12/21/94	21:48:07	5.835
12/19/94	21:18:07	4.968	12/20/94	21:48:07	5.233	12/21/94	22:18:07	5.611
12/19/94	21:48:07	4.845	12/20/94	22:18:07	5.111	12/21/94	22:48:07	5.417
12/19/94	22:18:07	4.794	12/20/94	22:48:07	4.958	12/21/94	23:18:07	5.264
12/19/94	22:48:07	4.804	12/20/94	23:18:07	4.866	12/21/94	23:48:07	5.233
12/19/94	23:18:07	4.917	12/20/94	23:48:07	5.039	12/22/94	0:18:07	5.213
12/19/94	23:48:07	5.141	12/21/94	0:18:07	5.284	12/22/94	0:48:07	5.376
12/20/94	0:18:07	5.325	12/21/94	0:48:07	5.458	12/22/94	1:18:07	5.601
12/20/94	0:48:07	5.58	12/21/94	1:18:07	5.682	12/22/94	1:48:07	5.764
12/20/94	1:18:07	5.743	12/21/94	1:48:07	5.948	12/22/94	2:18:07	6.05
12/20/94	1:48:07	5.988	12/21/94	2:18:07	6.111	12/22/94	2:48:07	6.407
12/20/94	2:18:07	6.254	12/21/94	2:48:07	6.397	12/22/94	3:18:07	6.591
12/20/94	2:48:07	6.438	12/21/94	3:18:07	6.642	12/22/94	3:48:07	6.785

12/22/94	4:18:07	6.948	12/23/94	4:48:07	6.142	12/24/94	5:18:07	2.61
12/22/94	4:48:07	7.122	12/23/94	5:18:07	6.305	12/24/94	5:48:07	3.049
12/22/94	5:18:07	7.203	12/23/94	5:48:07	6.479	12/24/94	6:18:07	3.447
12/22/94	5:48:07	7.224	12/23/94	6:18:07	6.55	12/24/94	6:48:07	3.947
12/22/94	6:18:07	7.163	12/23/94	6:48:07	6.489	12/24/94	7:18:07	4.498
12/22/94	6:48:07	7.101	12/23/94	7:18:07	6.561	12/24/94	7:48:07	4.876
12/22/94	7:18:07	6.856	12/23/94	7:48:07	6.387	12/24/94	8:18:07	5.152
12/22/94	7:48:07	6.591	12/23/94	8:18:07	6.03	12/24/94	8:48:07	5.305
12/22/94	8:18:07	6.264	12/23/94	8:48:07	5.836	12/24/94	9:18:07	5.356
12/22/94	8:48:07	6.009	12/23/94	9:18:07	5.581	12/24/94	9:48:07	5.121
12/22/94	9:18:07	5.785	12/23/94	9:48:07	5.203	12/24/94	10:18:07	4.733
12/22/94	9:48:07	5.57	12/23/94	10:18:07	5.019	12/24/94	10:48:07	4.631
12/22/94	10:18:07	5.427	12/23/94	10:48:07	4.805	12/24/94	11:18:07	4.407
12/22/94	10:48:07	5.254	12/23/94	11:18:07	4.509	12/24/94	11:48:07	4.396
12/22/94	11:18:07	5.152	12/23/94	11:48:07	4.356	12/24/94	12:18:07	4.386
12/22/94	11:48:07	5.101	12/23/94	12:18:07	4.356	12/24/94	12:48:07	4.447
12/22/94	12:18:07	5.019	12/23/94	12:48:07	4.213	12/24/94	13:18:07	4.529
12/22/94	12:48:07	5.203	12/23/94	13:18:07	4.284	12/24/94	13:48:07	4.448
12/22/94	13:18:07	5.366	12/23/94	13:48:07	4.458	12/24/94	14:18:07	4.519
12/22/94	13:48:07	5.672	12/23/94	14:18:07	4.54	12/24/94	14:48:07	4.519
12/22/94	14:18:07	5.958	12/23/94	14:48:07	4.723	12/24/94	15:18:07	4.652
12/22/94	14:48:07	6.173	12/23/94	15:18:07	4.866	12/24/94	15:48:07	4.774
12/22/94	15:18:07	6.397	12/23/94	15:48:07	5.142	12/24/94	16:18:07	4.815
12/22/94	15:48:07	6.55	12/23/94	16:18:07	5.417	12/24/94	16:48:07	4.856
12/22/94	16:18:07	6.734	12/23/94	16:48:07	5.479	12/24/94	17:18:07	4.805
12/22/94	16:48:07	7.05	12/23/94	17:18:07	5.754	12/24/94	17:48:07	4.835
12/22/94	17:18:07	7.255	12/23/94	17:48:07	5.989	12/24/94	18:18:07	4.764
12/22/94	17:48:07	7.408	12/23/94	18:18:07	6.122	12/24/94	18:48:07	4.886
12/22/94	18:18:07	7.52	12/23/94	18:48:07	6.203	12/24/94	19:18:07	5.142
12/22/94	18:48:07	7.53	12/23/94	19:18:07	6.04	12/24/94	19:48:07	5.142
12/22/94	19:18:07	7.398	12/23/94	19:48:07	6.183	12/24/94	20:18:07	5.244
12/22/94	19:48:07	7.163	12/23/94	20:18:07	5.897	12/24/94	20:48:07	5.07
12/22/94	20:18:07	6.805	12/23/94	20:48:07	5.509	12/24/94	21:18:07	4.866
12/22/94	20:48:07	6.499	12/23/94	21:18:07	5.264	12/24/94	21:48:07	4.693
12/22/94	21:18:07	6.193	12/23/94	21:48:07	5.029	12/24/94	22:18:07	4.345
12/22/94	21:48:07	5.764	12/23/94	22:18:07	4.58	12/24/94	22:48:07	3.988
12/22/94	22:18:07	5.57	12/23/94	22:48:07	4.171	12/24/94	23:18:07	3.764
12/22/94	22:48:07	5.295	12/23/94	23:18:07	3.59	12/24/94	23:48:07	3.468
12/22/94	23:18:07	5.009	12/23/94	23:48:07	3.222	12/25/94	0:18:07	3.141
12/22/94	23:48:07	4.856	12/24/94	0:18:07	2.691	12/25/94	0:48:07	3.008
12/23/94	0:18:07	4.774	12/24/94	0:48:07	2.477	12/25/94	1:18:07	2.927
12/23/94	0:48:07	4.682	12/24/94	1:18:07	2.294	12/25/94	1:48:07	2.967
12/23/94	1:18:07	4.764	12/24/94	1:48:07	2.263	12/25/94	2:18:07	3.1
12/23/94	1:48:07	4.907	12/24/94	2:18:07	2.14	12/25/94	2:48:07	3.294
12/23/94	2:18:07	5.131	12/24/94	2:48:07	2.11	12/25/94	3:18:07	3.406
12/23/94	2:48:07	5.397	12/24/94	3:18:07	1.998	12/25/94	3:48:07	3.804
12/23/94	3:18:07	5.57	12/24/94	3:48:07	1.977	12/25/94	4:18:07	4.029
12/23/94	3:48:07	5.764	12/24/94	4:18:07	2.191	12/25/94	4:48:07	4.182
12/23/94	4:18:07	5.999	12/24/94	4:48:07	2.304	12/25/94	5:18:07	4.6

12/25/94	5:48:07	4.886	12/26/94	6:18:07	4.703	12/27/94	6:48:07	4.815
12/25/94	6:18:07	5.09	12/26/94	6:48:07	4.938	12/27/94	7:18:07	5.081
12/25/94	6:48:07	5.417	12/26/94	7:18:07	5.213	12/27/94	7:48:07	5.397
12/25/94	7:18:07	5.652	12/26/94	7:48:07	5.489	12/27/94	8:18:07	5.642
12/25/94	7:48:07	5.897	12/26/94	8:18:07	5.785	12/27/94	8:48:07	5.999
12/25/94	8:18:07	6.03	12/26/94	8:48:07	5.969	12/27/94	9:18:07	6.316
12/25/94	8:48:07	6.091	12/26/94	9:18:07	6.152	12/27/94	9:48:07	6.53
12/25/94	9:18:07	5.989	12/26/94	9:48:07	6.265	12/27/94	10:18:07	6.755
12/25/94	9:48:07	5.795	12/26/94	10:18:07	6.214	12/27/94	10:48:07	6.887
12/25/94	10:18:07	5.652	12/26/94	10:48:07	6.203	12/27/94	11:18:07	6.908
12/25/94	10:48:07	5.407	12/26/94	11:18:07	6.152	12/27/94	11:48:07	6.836
12/25/94	11:18:07	5.182	12/26/94	11:48:07	5.887	12/27/94	12:18:07	6.622
12/25/94	11:48:07	4.927	12/26/94	12:18:07	5.468	12/27/94	12:48:07	6.265
12/25/94	12:18:07	4.488	12/26/94	12:48:07	5.285	12/27/94	13:18:07	5.958
12/25/94	12:48:07	4.162	12/26/94	13:18:07	4.989	12/27/94	13:48:07	5.683
12/25/94	13:18:07	3.978	12/26/94	13:48:07	4.774	12/27/94	14:18:07	5.458
12/25/94	13:48:07	3.876	12/26/94	14:18:07	4.631	12/27/94	14:48:07	5.172
12/25/94	14:18:07	3.723	12/26/94	14:48:07	4.427	12/27/94	15:18:07	5.081
12/25/94	14:48:07	3.682	12/26/94	15:18:07	4.376	12/27/94	15:48:07	4.999
12/25/94	15:18:07	3.733	12/26/94	15:48:07	4.417	12/27/94	16:18:07	4.938
12/25/94	15:48:07	3.825	12/26/94	16:18:07	4.499	12/27/94	16:48:07	4.887
12/25/94	16:18:07	3.876	12/26/94	16:48:07	4.591	12/27/94	17:18:07	4.897
12/25/94	16:48:07	4.07	12/26/94	17:18:07	4.723	12/27/94	17:48:07	4.907
12/25/94	17:18:07	4.223	12/26/94	17:48:07	4.968	12/27/94	18:18:07	5.019
12/25/94	17:48:07	4.427	12/26/94	18:18:07	5.142	12/27/94	18:48:07	5.264
12/25/94	18:18:07	4.815	12/26/94	18:48:07	5.387	12/27/94	19:18:07	5.509
12/25/94	18:48:07	5.111	12/26/94	19:18:07	5.744	12/27/94	19:48:07	5.744
12/25/94	19:18:07	5.448	12/26/94	19:48:07	6.04	12/27/94	20:18:07	5.999
12/25/94	19:48:07	5.795	12/26/94	20:18:07	6.397	12/27/94	20:48:07	6.214
12/25/94	20:18:07	6.019	12/26/94	20:48:07	6.663	12/27/94	21:18:07	6.418
12/25/94	20:48:07	6.264	12/26/94	21:18:07	6.775	12/27/94	21:48:07	6.653
12/25/94	21:18:07	6.346	12/26/94	21:48:07	6.867	12/27/94	22:18:07	6.734
12/25/94	21:48:07	6.203	12/26/94	22:18:07	6.867	12/27/94	22:48:07	6.805
12/25/94	22:18:07	5.978	12/26/94	22:48:07	6.663	12/27/94	23:18:07	6.826
12/25/94	22:48:07	5.774	12/26/94	23:18:07	6.387	12/27/94	23:48:07	6.683
12/25/94	23:18:07	5.447	12/26/94	23:48:07	6.081	12/28/94	0:18:07	6.376
12/25/94	23:48:07	5.09	12/27/94	0:18:07	5.724	12/28/94	0:48:07	6.08
12/26/94	0:18:07	4.876	12/27/94	0:48:07	5.336	12/28/94	1:18:07	5.723
12/26/94	0:48:07	4.631	12/27/94	1:18:07	5.05	12/28/94	1:48:07	5.305
12/26/94	1:18:07	4.345	12/27/94	1:48:07	4.785	12/28/94	2:18:07	5.039
12/26/94	1:48:07	4.141	12/27/94	2:18:07	4.54	12/28/94	2:48:07	4.743
12/26/94	2:18:07	3.977	12/27/94	2:48:07	4.295	12/28/94	3:18:07	4.498
12/26/94	2:48:07	3.835	12/27/94	3:18:07	4.141	12/28/94	3:48:07	4.284
12/26/94	3:18:07	3.805	12/27/94	3:48:07	3.978	12/28/94	4:18:07	4.029
12/26/94	3:48:07	3.886	12/27/94	4:18:07	3.927	12/28/94	4:48:07	3.815
12/26/94	4:18:07	3.978	12/27/94	4:48:07	4.05	12/28/94	5:18:07	3.774
12/26/94	4:48:07	4.101	12/27/94	5:18:07	4.142	12/28/94	5:48:07	3.795
12/26/94	5:18:07	4.295	12/27/94	5:48:07	4.325	12/28/94	6:18:07	4.009
12/26/94	5:48:07	4.509	12/27/94	6:18:07	4.591	12/28/94	6:48:07	4.284

12/28/94	7:18:07	4.58	12/29/94	7:48:07	4.856	12/30/94	8:18:07	5.336
12/28/94	7:48:07	4.815	12/29/94	8:18:07	5.183	12/30/94	8:48:07	5.54
12/28/94	8:18:07	5.132	12/29/94	8:48:07	5.458	12/30/94	9:18:07	5.846
12/28/94	8:48:07	5.428	12/29/94	9:18:07	5.744	12/30/94	9:48:07	6.122
12/28/94	9:18:07	5.673	12/29/94	9:48:07	6.091	12/30/94	10:18:07	6.306
12/28/94	9:48:07	6.04	12/29/94	10:18:07	6.316	12/30/94	10:48:07	6.714
12/28/94	10:18:07	6.326	12/29/94	10:48:07	6.816	12/30/94	11:18:07	6.989
12/28/94	10:48:07	6.653	12/29/94	11:18:07	7.296	12/30/94	11:48:07	7.336
12/28/94	11:18:07	6.887	12/29/94	11:48:07	7.694	12/30/94	12:18:07	7.765
12/28/94	11:48:07	7.061	12/29/94	12:18:07	7.98	12/30/94	12:48:07	8.102
12/28/94	12:18:07	7.04	12/29/94	12:48:07	8.225	12/30/94	13:18:07	8.214
12/28/94	12:48:07	6.806	12/29/94	13:18:07	8.286	12/30/94	13:48:07	8.286
12/28/94	13:18:07	6.499	12/29/94	13:48:07	8.163	12/30/94	14:18:07	8.194
12/28/94	13:48:07	6.183	12/29/94	14:18:07	8.051	12/30/94	14:48:07	8.01
12/28/94	14:18:07	5.734	12/29/94	14:48:07	7.745	12/30/94	15:18:07	7.592
12/28/94	14:48:07	5.356	12/29/94	15:18:07	7.408	12/30/94	15:48:07	7.102
12/28/94	15:18:07	5.162	12/29/94	15:48:07	7.02	12/30/94	16:18:07	6.571
12/28/94	15:48:07	4.907	12/29/94	16:18:07	6.785	12/30/94	16:48:07	6.112
12/28/94	16:18:07	4.683	12/29/94	16:48:07	6.469	12/30/94	17:18:07	5.744
12/28/94	16:48:07	4.56	12/29/94	17:18:07	6.306	12/30/94	17:48:07	5.499
12/28/94	17:18:07	4.376	12/29/94	17:48:07	6.203	12/30/94	18:18:07	5.285
12/28/94	17:48:07	4.335	12/29/94	18:18:07	6.05	12/30/94	18:48:07	5.152
12/28/94	18:18:07	4.417	12/29/94	18:48:07	6.04	12/30/94	19:18:07	5.091
12/28/94	18:48:07	4.55	12/29/94	19:18:07	6.081	12/30/94	19:48:07	5.132
12/28/94	19:18:07	4.805	12/29/94	19:48:07	6.214	12/30/94	20:18:07	5.172
12/28/94	19:48:07	5.081	12/29/94	20:18:07	6.438	12/30/94	20:48:07	5.336
12/28/94	20:18:07	5.326	12/29/94	20:48:07	6.673	12/30/94	21:18:07	5.622
12/28/94	20:48:07	5.56	12/29/94	21:18:07	6.898	12/30/94	21:48:07	5.897
12/28/94	21:18:07	5.918	12/29/94	21:48:07	7.051	12/30/94	22:18:07	6.081
12/28/94	21:48:07	6.244	12/29/94	22:18:07	7.234	12/30/94	22:48:07	6.346
12/28/94	22:18:07	6.571	12/29/94	22:48:07	7.53	12/30/94	23:18:07	6.663
12/28/94	22:48:07	6.826	12/29/94	23:18:07	7.806	12/30/94	23:48:07	6.928
12/28/94	23:18:07	6.979	12/29/94	23:48:07	8.082	12/31/94	0:18:07	7.204
12/28/94	23:48:07	7.112	12/30/94	0:18:07	8.337	12/31/94	0:48:07	7.561
12/29/94	0:18:07	7.112	12/30/94	0:48:07	8.398	12/31/94	1:18:07	7.745
12/29/94	0:48:07	6.969	12/30/94	1:18:07	8.367	12/31/94	1:48:07	7.888
12/29/94	1:18:07	6.724	12/30/94	1:48:07	8.265	12/31/94	2:18:07	7.816
12/29/94	1:48:07	6.418	12/30/94	2:18:07	7.908	12/31/94	2:48:07	7.673
12/29/94	2:18:07	6.05	12/30/94	2:48:07	7.581	12/31/94	3:18:07	7.306
12/29/94	2:48:07	5.591	12/30/94	3:18:07	7.234	12/31/94	3:48:07	6.744
12/29/94	3:18:07	5.295	12/30/94	3:48:07	6.805	12/31/94	4:18:07	6.142
12/29/94	3:48:07	5.06	12/30/94	4:18:07	6.438	12/31/94	4:48:07	5.683
12/29/94	4:18:07	4.754	12/30/94	4:48:07	6.162	12/31/94	5:18:07	5.254
12/29/94	4:48:07	4.621	12/30/94	5:18:07	5.927	12/31/94	5:48:07	4.774
12/29/94	5:18:07	4.448	12/30/94	5:48:07	5.621	12/31/94	6:18:07	4.315
12/29/94	5:48:07	4.274	12/30/94	6:18:07	5.407	12/31/94	6:48:07	4.111
12/29/94	6:18:07	4.233	12/30/94	6:48:07	5.234	12/31/94	7:18:07	3.856
12/29/94	6:48:07	4.356	12/30/94	7:18:07	5.193	12/31/94	7:48:07	3.764
12/29/94	7:18:07	4.58	12/30/94	7:48:07	5.234	12/31/94	8:18:07	3.835

12/31/94	8:48:07	3.835	1/1/95	9:18:07	3.008	1/2/95	9:48:07	3.376
12/31/94	9:18:07	4.172	1/1/95	9:48:07	3.243	1/2/95	10:18:07	3.498
12/31/94	9:48:07	4.54	1/1/95	10:18:07	3.692	1/2/95	10:48:07	3.998
12/31/94	10:18:07	4.917	1/1/95	10:48:07	4.029	1/2/95	11:18:07	4.407
12/31/94	10:48:07	5.397	1/1/95	11:18:07	4.243	1/2/95	11:48:07	4.611
12/31/94	11:18:07	5.816	1/1/95	11:48:07	4.56	1/2/95	12:18:07	4.713
12/31/94	11:48:07	6.122	1/1/95	12:18:07	4.999	1/2/95	12:48:07	5.131
12/31/94	12:18:07	6.459	1/1/95	12:48:07	5.376	1/2/95	13:18:07	5.601
12/31/94	12:48:07	6.887	1/1/95	13:18:07	5.856	1/2/95	13:48:07	6.081
12/31/94	13:18:07	7.479	1/1/95	13:48:07	6.509	1/2/95	14:18:07	6.622
12/31/94	13:48:07	7.867	1/1/95	14:18:07	6.959	1/2/95	14:48:07	6.856
12/31/94	14:18:07	8.174	1/1/95	14:48:07	7.285	1/2/95	15:18:07	7.459
12/31/94	14:48:07	8.245	1/1/95	15:18:07	7.663	1/2/95	15:48:07	7.826
12/31/94	15:18:07	8.174	1/1/95	15:48:07	7.755	1/2/95	16:18:07	7.887
12/31/94	15:48:07	7.826	1/1/95	16:18:07	7.591	1/2/95	16:48:07	7.949
12/31/94	16:18:07	7.296	1/1/95	16:48:07	7.204	1/2/95	17:18:07	8
12/31/94	16:48:07	6.714	1/1/95	17:18:07	6.703	1/2/95	17:48:07	7.52
12/31/94	17:18:07	6.163	1/1/95	17:48:07	6.091	1/2/95	18:18:07	6.969
12/31/94	17:48:07	5.673	1/1/95	18:18:07	5.601	1/2/95	18:48:07	6.571
12/31/94	18:18:07	5.438	1/1/95	18:48:07	5.182	1/2/95	19:18:07	5.958
12/31/94	18:48:07	5.111	1/1/95	19:18:07	4.958	1/2/95	19:48:07	5.56
12/31/94	19:18:07	5.04	1/1/95	19:48:07	4.958	1/2/95	20:18:07	5.397
12/31/94	19:48:07	4.887	1/1/95	20:18:07	4.907	1/2/95	20:48:07	5.111
12/31/94	20:18:07	4.774	1/1/95	20:48:07	4.743	1/2/95	21:18:07	5.019
12/31/94	20:48:07	4.866	1/1/95	21:18:07	4.641	1/2/95	21:48:07	5.05
12/31/94	21:18:07	4.948	1/1/95	21:48:07	4.57	1/2/95	22:18:07	4.948
12/31/94	21:48:07	5.05	1/1/95	22:18:07	4.499	1/2/95	22:48:07	5.029
12/31/94	22:18:07	5.458	1/1/95	22:48:07	4.723	1/2/95	23:18:07	5.295
12/31/94	22:48:07	5.785	1/1/95	23:18:07	5.121	1/2/95	23:48:07	5.55
12/31/94	23:18:07	6.03	1/1/95	23:48:07	5.407	1/3/95	0:18:07	5.938
12/31/94	23:48:07	6.326	1/2/95	0:18:07	5.662	1/3/95	0:48:07	6.254
1/1/95	0:18:07	6.561	1/2/95	0:48:07	5.948	1/3/95	1:18:07	6.448
1/1/95	0:48:07	6.816	1/2/95	1:18:07	6.173	1/3/95	1:48:07	6.714
1/1/95	1:18:07	7.153	1/2/95	1:48:07	6.489	1/3/95	2:18:07	7.122
1/1/95	1:48:07	7.398	1/2/95	2:18:07	6.775	1/3/95	2:48:07	7.459
1/1/95	2:18:07	7.612	1/2/95	2:48:07	7.112	1/3/95	3:18:07	7.816
1/1/95	2:48:07	7.704	1/2/95	3:18:07	7.275	1/3/95	3:48:07	8.163
1/1/95	3:18:07	7.571	1/2/95	3:48:07	7.306	1/3/95	4:18:07	8.184
1/1/95	3:48:07	7.265	1/2/95	4:18:07	7.102	1/3/95	4:48:07	8.102
1/1/95	4:18:07	6.877	1/2/95	4:48:07	6.714	1/3/95	5:18:07	7.949
1/1/95	4:48:07	6.315	1/2/95	5:18:07	6.326	1/3/95	5:48:07	7.653
1/1/95	5:18:07	5.703	1/2/95	5:48:07	5.724	1/3/95	6:18:07	7.254
1/1/95	5:48:07	5.213	1/2/95	6:18:07	5.091	1/3/95	6:48:07	6.785
1/1/95	6:18:07	4.682	1/2/95	6:48:07	4.57	1/3/95	7:18:07	6.274
1/1/95	6:48:07	4.274	1/2/95	7:18:07	3.968	1/3/95	7:48:07	5.764
1/1/95	7:18:07	3.937	1/2/95	7:48:07	3.825	1/3/95	8:18:07	5.284
1/1/95	7:48:07	3.559	1/2/95	8:18:07	3.478	1/3/95	8:48:07	4.968
1/1/95	8:18:07	3.202	1/2/95	8:48:07	3.069	1/3/95	9:18:07	4.641
1/1/95	8:48:07	3.059	1/2/95	9:18:07	3.263	1/3/95	9:48:07	4.294

1/3/95	10:18:07	4.222	1/4/95	10:48:07	4.244	1/5/95	11:18:07	3.967
1/3/95	10:48:07	4.264	1/4/95	11:18:07	4.233	1/5/95	11:48:07	3.988
1/3/95	11:18:07	4.284	1/4/95	11:48:07	4.244	1/5/95	12:18:07	4.018
1/3/95	11:48:07	4.621	1/4/95	12:18:07	4.356	1/5/95	12:48:07	3.999
1/3/95	12:18:07	4.968	1/4/95	12:48:07	4.57	1/5/95	13:18:07	4.274
1/3/95	12:48:07	5.325	1/4/95	13:18:07	4.815	1/5/95	13:48:07	4.478
1/3/95	13:18:07	5.754	1/4/95	13:48:07	5.193	1/5/95	14:18:07	4.581
1/3/95	13:48:07	6.03	1/4/95	14:18:07	5.52	1/5/95	14:48:07	4.877
1/3/95	14:18:07	6.356	1/4/95	14:48:07	5.734	1/5/95	15:18:07	5.04
1/3/95	14:48:07	6.683	1/4/95	15:18:07	5.805	1/5/95	15:48:07	5.03
1/3/95	15:18:07	7.081	1/4/95	15:48:07	5.826	1/5/95	16:18:07	4.999
1/3/95	15:48:07	7.408	1/4/95	16:18:07	5.867	1/5/95	16:48:07	5.234
1/3/95	16:18:07	7.745	1/4/95	16:48:07	6.234	1/5/95	17:18:07	5.336
1/3/95	16:48:07	7.99	1/4/95	17:18:07	6.357	1/5/95	17:48:07	5.438
1/3/95	17:18:07	8	1/4/95	17:48:07	6.591	1/5/95	18:18:07	5.642
1/3/95	17:48:07	7.888	1/4/95	18:18:07	6.54	1/5/95	18:48:07	5.765
1/3/95	18:18:07	7.602	1/4/95	18:48:07	6.499	1/5/95	19:18:07	5.805
1/3/95	18:48:07	7.244	1/4/95	19:18:07	6.152	1/5/95	19:48:07	5.652
1/3/95	19:18:07	6.908	1/4/95	19:48:07	5.805	1/5/95	20:18:07	5.367
1/3/95	19:48:07	6.438	1/4/95	20:18:07	5.458	1/5/95	20:48:07	5.091
1/3/95	20:18:07	5.958	1/4/95	20:48:07	5.162	1/5/95	21:18:07	4.785
1/3/95	20:48:07	5.713	1/4/95	21:18:07	4.815	1/5/95	21:48:07	4.509
1/3/95	21:18:07	5.376	1/4/95	21:48:07	4.621	1/5/95	22:18:07	4.325
1/3/95	21:48:07	4.988	1/4/95	22:18:07	4.427	1/5/95	22:48:07	4.131
1/3/95	22:18:07	4.764	1/4/95	22:48:07	4.203	1/5/95	23:18:07	3.958
1/3/95	22:48:07	4.723	1/4/95	23:18:07	4.04	1/5/95	23:48:07	3.784
1/3/95	23:18:07	4.662	1/4/95	23:48:07	3.978	1/6/95	0:18:07	3.693
1/3/95	23:48:07	4.846	1/5/95	0:18:07	3.989	1/6/95	0:48:07	3.58
1/4/95	0:18:07	5.101	1/5/95	0:48:07	4.162	1/6/95	1:18:07	3.652
1/4/95	0:48:07	5.458	1/5/95	1:18:07	4.244	1/6/95	1:48:07	3.815
1/4/95	1:18:07	5.826	1/5/95	1:48:07	4.315	1/6/95	2:18:07	4.142
1/4/95	1:48:07	6.224	1/5/95	2:18:07	4.764	1/6/95	2:48:07	4.162
1/4/95	2:18:07	6.51	1/5/95	2:48:07	4.754	1/6/95	3:18:07	4.672
1/4/95	2:48:07	6.785	1/5/95	3:18:07	4.917	1/6/95	3:48:07	4.856
1/4/95	3:18:07	7.102	1/5/95	3:48:07	5.101	1/6/95	4:18:07	5.019
1/4/95	3:48:07	7.326	1/5/95	4:18:07	5.285	1/6/95	4:48:07	5.162
1/4/95	4:18:07	7.581	1/5/95	4:48:07	5.458	1/6/95	5:18:07	5.407
1/4/95	4:48:07	7.775	1/5/95	5:18:07	5.744	1/6/95	5:48:07	5.775
1/4/95	5:18:07	7.775	1/5/95	5:48:07	5.928	1/6/95	6:18:07	5.887
1/4/95	5:48:07	7.745	1/5/95	6:18:07	6.02	1/6/95	6:48:07	6.091
1/4/95	6:18:07	7.602	1/5/95	6:48:07	6.08	1/6/95	7:18:07	6.173
1/4/95	6:48:07	7.326	1/5/95	7:18:07	5.927	1/6/95	7:48:07	6.071
1/4/95	7:18:07	6.898	1/5/95	7:48:07	5.59	1/6/95	8:18:07	5.918
1/4/95	7:48:07	6.459	1/5/95	8:18:07	5.202	1/6/95	8:48:07	5.611
1/4/95	8:18:07	6.04	1/5/95	8:48:07	4.917	1/6/95	9:18:07	5.377
1/4/95	8:48:07	5.601	1/5/95	9:18:07	4.57	1/6/95	9:48:07	5.193
1/4/95	9:18:07	5.224	1/5/95	9:48:07	4.335	1/6/95	10:18:07	5.152
1/4/95	9:48:07	4.917	1/5/95	10:18:07	4.182	1/6/95	10:48:07	5.101
1/4/95	10:18:07	4.601	1/5/95	10:48:07	4.161	1/6/95	11:18:07	4.968

1/6/95	11:48:07	4.632	1/7/95	12:18:07	4.437	1/8/95	12:48:07	4.172
1/6/95	12:18:07	4.295	1/7/95	12:48:07	4.672	1/8/95	13:18:07	4.08
1/6/95	12:48:07	4.468	1/7/95	13:18:07	4.519	1/8/95	13:48:07	4.039
1/6/95	13:18:07	4.417	1/7/95	13:48:07	4.427	1/8/95	14:18:07	3.988
1/6/95	13:48:07	4.499	1/7/95	14:18:07	4.692	1/8/95	14:48:07	3.866
1/6/95	14:18:07	4.693	1/7/95	14:48:07	4.693	1/8/95	15:18:07	3.907
1/6/95	14:48:07	4.856	1/7/95	15:18:07	4.56	1/8/95	15:48:07	3.876
1/6/95	15:18:07	4.856	1/7/95	15:48:07	5.111	1/8/95	16:18:07	3.886
1/6/95	15:48:07	5.03	1/7/95	16:18:07	5.336	1/8/95	16:48:07	3.978
1/6/95	16:18:07	5.203	1/7/95	16:48:07	5.325	1/8/95	17:18:07	4.101
1/6/95	16:48:07	5.346	1/7/95	17:18:07	5.713	1/8/95	17:48:07	4.05
1/6/95	17:18:07	5.499	1/7/95	17:48:07	5.662	1/8/95	18:18:07	4.244
1/6/95	17:48:07	5.744	1/7/95	18:18:07	5.703	1/8/95	18:48:07	4.407
1/6/95	18:18:07	5.918	1/7/95	18:48:07	5.928	1/8/95	19:18:07	4.601
1/6/95	18:48:07	6.112	1/7/95	19:18:07	6.122	1/8/95	19:48:07	4.805
1/6/95	19:18:07	6.305	1/7/95	19:48:07	6.448	1/8/95	20:18:07	4.968
1/6/95	19:48:07	6.377	1/7/95	20:18:07	6.663	1/8/95	20:48:07	5.03
1/6/95	20:18:07	6.387	1/7/95	20:48:07	6.387	1/8/95	21:18:07	5.091
1/6/95	20:48:07	6.234	1/7/95	21:18:07	5.846	1/8/95	21:48:07	5.081
1/6/95	21:18:07	5.795	1/7/95	21:48:07	5.601	1/8/95	22:18:07	4.928
1/6/95	21:48:07	5.571	1/7/95	22:18:07	5.448	1/8/95	22:48:07	4.693
1/6/95	22:18:07	5.285	1/7/95	22:48:07	5.121	1/8/95	23:18:07	4.397
1/6/95	22:48:07	4.856	1/7/95	23:18:07	4.835	1/8/95	23:48:07	4.101
1/6/95	23:18:07	4.591	1/7/95	23:48:07	4.774	1/9/95	0:18:07	3.835
1/6/95	23:48:07	4.499	1/8/95	0:18:07	4.386	1/9/95	0:48:07	3.723
1/7/95	0:18:07	4.264	1/8/95	0:48:07	3.968	1/9/95	1:18:07	3.478
1/7/95	0:48:07	4.05	1/8/95	1:18:07	3.682	1/9/95	1:48:07	3.213
1/7/95	1:18:07	3.897	1/8/95	1:48:07	3.376	1/9/95	2:18:07	3.141
1/7/95	1:48:07	3.754	1/8/95	2:18:07	3.345	1/9/95	2:48:07	3.039
1/7/95	2:18:07	3.764	1/8/95	2:48:07	3.498	1/9/95	3:18:07	2.958
1/7/95	2:48:07	3.988	1/8/95	3:18:07	3.498	1/9/95	3:48:07	3.009
1/7/95	3:18:07	4.009	1/8/95	3:48:07	3.539	1/9/95	4:18:07	3.039
1/7/95	3:48:07	4.05	1/8/95	4:18:07	3.58	1/9/95	4:48:07	3.09
1/7/95	4:18:07	4.172	1/8/95	4:48:07	3.723	1/9/95	5:18:07	3.294
1/7/95	4:48:07	4.05	1/8/95	5:18:07	3.682	1/9/95	5:48:07	3.437
1/7/95	5:18:07	4.009	1/8/95	5:48:07	3.907	1/9/95	6:18:07	3.539
1/7/95	5:48:07	4.264	1/8/95	6:18:07	4.029	1/9/95	6:48:07	3.713
1/7/95	6:18:07	4.397	1/8/95	6:48:07	4.192	1/9/95	7:18:07	3.846
1/7/95	6:48:07	4.672	1/8/95	7:18:07	4.448	1/9/95	7:48:07	3.764
1/7/95	7:18:07	4.917	1/8/95	7:48:07	4.621	1/9/95	8:18:07	4.009
1/7/95	7:48:07	4.897	1/8/95	8:18:07	4.652	1/9/95	8:48:07	4.356
1/7/95	8:18:07	5.224	1/8/95	8:48:07	4.744	1/9/95	9:18:07	4.57
1/7/95	8:48:07	5.182	1/8/95	9:18:07	4.886	1/9/95	9:48:07	4.693
1/7/95	9:18:07	4.815	1/8/95	9:48:07	4.968	1/9/95	10:18:07	4.887
1/7/95	9:48:07	5.509	1/8/95	10:18:07	4.835	1/9/95	10:48:07	5.029
1/7/95	10:18:07	5.192	1/8/95	10:48:07	4.948	1/9/95	11:18:07	5.1
1/7/95	10:48:07	4.621	1/8/95	11:18:07	4.703	1/9/95	11:48:07	4.998
1/7/95	11:18:07	4.753	1/8/95	11:48:07	4.417	1/9/95	12:18:07	4.886
1/7/95	11:48:07	4.702	1/8/95	12:18:07	4.254	1/9/95	12:48:07	4.58

1/9/95	13:18:07	4.467	1/10/95	13:48:07	4.264	1/11/95	14:18:07	4.029
1/9/95	13:48:07	4.325	1/10/95	14:18:07	4.213	1/11/95	14:48:07	3.743
1/9/95	14:18:07	4.12	1/10/95	14:48:07	4.07	1/11/95	15:18:07	3.661
1/9/95	14:48:07	4.253	1/10/95	15:18:07	3.999	1/11/95	15:48:07	3.498
1/9/95	15:18:07	4.161	1/10/95	15:48:07	3.937	1/11/95	16:18:07	3.385
1/9/95	15:48:07	4.069	1/10/95	16:18:07	3.754	1/11/95	16:48:07	3.263
1/9/95	16:18:07	4.131	1/10/95	16:48:07	3.539	1/11/95	17:18:07	3.191
1/9/95	16:48:07	3.988	1/10/95	17:18:07	3.468	1/11/95	17:48:07	3.1
1/9/95	17:18:07	3.968	1/10/95	17:48:07	3.407	1/11/95	18:18:07	3.048
1/9/95	17:48:07	4.101	1/10/95	18:18:07	3.509	1/11/95	18:48:07	3.152
1/9/95	18:18:07	4.193	1/10/95	18:48:07	3.692	1/11/95	19:18:07	3.223
1/9/95	18:48:07	4.254	1/10/95	19:18:07	3.866	1/11/95	19:48:07	3.376
1/9/95	19:18:07	4.417	1/10/95	19:48:07	3.978	1/11/95	20:18:07	3.488
1/9/95	19:48:07	4.55	1/10/95	20:18:07	4.04	1/11/95	20:48:07	3.346
1/9/95	20:18:07	4.703	1/10/95	20:48:07	4.203	1/11/95	21:18:07	3.662
1/9/95	20:48:07	4.856	1/10/95	21:18:07	4.233	1/11/95	21:48:07	3.938
1/9/95	21:18:07	5.03	1/10/95	21:48:07	4.346	1/11/95	22:18:07	3.887
1/9/95	21:48:07	5.07	1/10/95	22:18:07	4.478	1/11/95	22:48:07	3.968
1/9/95	22:18:07	5.009	1/10/95	22:48:07	4.478	1/11/95	23:18:07	4.07
1/9/95	22:48:07	4.968	1/10/95	23:18:07	4.468	1/11/95	23:48:07	4.152
1/9/95	23:18:07	4.825	1/10/95	23:48:07	4.427	1/12/95	0:18:07	4.111
1/9/95	23:48:07	4.519	1/11/95	0:18:07	4.366	1/12/95	0:48:07	4.009
1/10/95	0:18:07	4.387	1/11/95	0:48:07	4.162	1/12/95	1:18:07	3.989
1/10/95	0:48:07	4.111	1/11/95	1:18:07	3.978	1/12/95	1:48:07	3.938
1/10/95	1:18:07	3.948	1/11/95	1:48:07	3.784	1/12/95	2:18:07	3.693
1/10/95	1:48:07	3.774	1/11/95	2:18:07	3.55	1/12/95	2:48:07	3.652
1/10/95	2:18:07	3.55	1/11/95	2:48:07	3.335	1/12/95	3:18:07	3.407
1/10/95	2:48:07	3.356	1/11/95	3:18:07	3.1	1/12/95	3:48:07	3.111
1/10/95	3:18:07	3.202	1/11/95	3:48:07	2.866	1/12/95	4:18:07	2.958
1/10/95	3:48:07	3.039	1/11/95	4:18:07	2.713	1/12/95	4:48:07	2.764
1/10/95	4:18:07	2.927	1/11/95	4:48:07	2.57	1/12/95	5:18:07	2.641
1/10/95	4:48:07	2.886	1/11/95	5:18:07	2.478	1/12/95	5:48:07	2.529
1/10/95	5:18:07	2.815	1/11/95	5:48:07	2.57	1/12/95	6:18:07	2.458
1/10/95	5:48:07	2.886	1/11/95	6:18:07	2.559	1/12/95	6:48:07	2.355
1/10/95	6:18:07	3.019	1/11/95	6:48:07	2.661	1/12/95	7:18:07	2.59
1/10/95	6:48:07	3.192	1/11/95	7:18:07	2.794	1/12/95	7:48:07	2.713
1/10/95	7:18:07	3.417	1/11/95	7:48:07	2.896	1/12/95	8:18:07	2.815
1/10/95	7:48:07	3.57	1/11/95	8:18:07	3.111	1/12/95	8:48:07	3.09
1/10/95	8:18:07	3.59	1/11/95	8:48:07	3.356	1/12/95	9:18:07	3.325
1/10/95	8:48:07	3.825	1/11/95	9:18:07	3.396	1/12/95	9:48:07	3.601
1/10/95	9:18:07	3.968	1/11/95	9:48:07	3.621	1/12/95	10:18:07	3.784
1/10/95	9:48:07	4.182	1/11/95	10:18:07	3.897	1/12/95	10:48:07	4.08
1/10/95	10:18:07	4.417	1/11/95	10:48:07	4.131	1/12/95	11:18:07	4.356
1/10/95	10:48:07	4.805	1/11/95	11:18:07	4.325	1/12/95	11:48:07	4.621
1/10/95	11:18:07	4.948	1/11/95	11:48:07	4.489	1/12/95	12:18:07	4.795
1/10/95	11:48:07	4.979	1/11/95	12:18:07	4.672	1/12/95	12:48:07	4.928
1/10/95	12:18:07	4.825	1/11/95	12:48:07	4.549	1/12/95	13:18:07	5.05
1/10/95	12:48:07	4.703	1/11/95	13:18:07	4.335	1/12/95	13:48:07	5.009
1/10/95	13:18:07	4.591	1/11/95	13:48:07	4.202	1/12/95	14:18:07	4.815

1/12/95	14:48:07	4.703	1/13/95	15:18:07	5.978	1/14/95	15:48:07	5.662
1/12/95	15:18:07	4.489	1/13/95	15:48:07	5.55	1/14/95	16:18:07	5.377
1/12/95	15:48:07	4.305	1/13/95	16:18:07	5.131	1/14/95	16:48:07	4.866
1/12/95	16:18:07	4.121	1/13/95	16:48:07	4.651	1/14/95	17:18:07	4.57
1/12/95	16:48:07	3.999	1/13/95	17:18:07	4.376	1/14/95	17:48:07	4.284
1/12/95	17:18:07	3.805	1/13/95	17:48:07	4.202	1/14/95	18:18:07	4.039
1/12/95	17:48:07	3.764	1/13/95	18:18:07	4.029	1/14/95	18:48:07	3.866
1/12/95	18:18:07	3.774	1/13/95	18:48:07	3.937	1/14/95	19:18:07	3.754
1/12/95	18:48:07	3.733	1/13/95	19:18:07	3.906	1/14/95	19:48:07	3.631
1/12/95	19:18:07	3.743	1/13/95	19:48:07	3.957	1/14/95	20:18:07	3.641
1/12/95	19:48:07	3.784	1/13/95	20:18:07	3.988	1/14/95	20:48:07	3.682
1/12/95	20:18:07	3.958	1/13/95	20:48:07	4.091	1/14/95	21:18:07	3.794
1/12/95	20:48:07	4.152	1/13/95	21:18:07	4.254	1/14/95	21:48:07	3.958
1/12/95	21:18:07	4.325	1/13/95	21:48:07	4.284	1/14/95	22:18:07	4.131
1/12/95	21:48:07	4.591	1/13/95	22:18:07	4.489	1/14/95	22:48:07	4.274
1/12/95	22:18:07	4.774	1/13/95	22:48:07	4.672	1/14/95	23:18:07	4.55
1/12/95	22:48:07	4.877	1/13/95	23:18:07	4.785	1/14/95	23:48:07	4.754
1/12/95	23:18:07	5.03	1/13/95	23:48:07	4.907	1/15/95	0:18:07	4.948
1/12/95	23:48:07	5.132	1/14/95	0:18:07	5.121	1/15/95	0:48:07	5.172
1/13/95	0:18:07	5.224	1/14/95	0:48:07	5.244	1/15/95	1:18:07	5.285
1/13/95	0:48:07	5.244	1/14/95	1:18:07	5.377	1/15/95	1:48:07	5.203
1/13/95	1:18:07	5.162	1/14/95	1:48:07	5.356	1/15/95	2:18:07	5.275
1/13/95	1:48:07	4.968	1/14/95	2:18:07	5.264	1/15/95	2:48:07	5.305
1/13/95	2:18:07	4.805	1/14/95	2:48:07	5.121	1/15/95	3:18:07	5.162
1/13/95	2:48:07	4.621	1/14/95	3:18:07	4.958	1/15/95	3:48:07	4.978
1/13/95	3:18:07	4.438	1/14/95	3:48:07	4.734	1/15/95	4:18:07	4.754
1/13/95	3:48:07	4.244	1/14/95	4:18:07	4.509	1/15/95	4:48:07	4.57
1/13/95	4:18:07	4.019	1/14/95	4:48:07	4.274	1/15/95	5:18:07	4.264
1/13/95	4:48:07	3.968	1/14/95	5:18:07	4.009	1/15/95	5:48:07	3.948
1/13/95	5:18:07	3.682	1/14/95	5:48:07	3.846	1/15/95	6:18:07	3.713
1/13/95	5:48:07	3.386	1/14/95	6:18:07	3.57	1/15/95	6:48:07	3.59
1/13/95	6:18:07	3.223	1/14/95	6:48:07	3.427	1/15/95	7:18:07	3.284
1/13/95	6:48:07	3.1	1/14/95	7:18:07	3.335	1/15/95	7:48:07	3.1
1/13/95	7:18:07	3.172	1/14/95	7:48:07	3.284	1/15/95	8:18:07	3.111
1/13/95	7:48:07	3.192	1/14/95	8:18:07	3.274	1/15/95	8:48:07	3.131
1/13/95	8:18:07	3.345	1/14/95	8:48:07	3.427	1/15/95	9:18:07	3.141
1/13/95	8:48:07	3.58	1/14/95	9:18:07	3.58	1/15/95	9:48:07	3.376
1/13/95	9:18:07	3.846	1/14/95	9:48:07	3.743	1/15/95	10:18:07	3.713
1/13/95	9:48:07	4.091	1/14/95	10:18:07	4.101	1/15/95	10:48:07	3.948
1/13/95	10:18:07	4.397	1/14/95	10:48:07	4.56	1/15/95	11:18:07	4.376
1/13/95	10:48:07	4.734	1/14/95	11:18:07	4.785	1/15/95	11:48:07	4.723
1/13/95	11:18:07	4.805	1/14/95	11:48:07	5.091	1/15/95	12:18:07	4.856
1/13/95	11:48:07	5.346	1/14/95	12:18:07	5.438	1/15/95	12:48:07	5.234
1/13/95	12:18:07	5.662	1/14/95	12:48:07	5.775	1/15/95	13:18:07	5.489
1/13/95	12:48:07	5.877	1/14/95	13:18:07	5.928	1/15/95	13:48:07	5.805
1/13/95	13:18:07	5.979	1/14/95	13:48:07	6.091	1/15/95	14:18:07	6.009
1/13/95	13:48:07	6.03	1/14/95	14:18:07	6.132	1/15/95	14:48:07	6.275
1/13/95	14:18:07	6.061	1/14/95	14:48:07	6.122	1/15/95	15:18:07	6.316
1/13/95	14:48:07	5.978	1/14/95	15:18:07	5.938	1/15/95	15:48:07	6.142

1/15/95	16:18:07	5.846	1/16/95	16:48:07	5.846	1/17/95	17:18:07	6.081
1/15/95	16:48:07	5.499	1/16/95	17:18:07	5.601	1/17/95	17:48:07	5.713
1/15/95	17:18:07	5.029	1/16/95	17:48:07	5.366	1/17/95	18:18:07	5.162
1/15/95	17:48:07	4.712	1/16/95	18:18:07	5.04	1/17/95	18:48:07	4.866
1/15/95	18:18:07	4.376	1/16/95	18:48:07	4.682	1/17/95	19:18:07	4.529
1/15/95	18:48:07	4.171	1/16/95	19:18:07	4.407	1/17/95	19:48:07	4.161
1/15/95	19:18:07	3.967	1/16/95	19:48:07	4.152	1/17/95	20:18:07	4.018
1/15/95	19:48:07	3.875	1/16/95	20:18:07	3.917	1/17/95	20:48:07	3.804
1/15/95	20:18:07	3.804	1/16/95	20:48:07	3.856	1/17/95	21:18:07	3.63
1/15/95	20:48:07	3.794	1/16/95	21:18:07	3.815	1/17/95	21:48:07	3.549
1/15/95	21:18:07	3.773	1/16/95	21:48:07	3.866	1/17/95	22:18:07	3.487
1/15/95	21:48:07	3.763	1/16/95	22:18:07	3.907	1/17/95	22:48:07	3.467
1/15/95	22:18:07	3.875	1/16/95	22:48:07	4.009	1/17/95	23:18:07	3.59
1/15/95	22:48:07	4.366	1/16/95	23:18:07	4.172	1/17/95	23:48:07	3.671
1/15/95	23:18:07	4.631	1/16/95	23:48:07	4.315	1/18/95	0:18:07	3.926
1/15/95	23:48:07	4.703	1/17/95	0:18:07	4.58	1/18/95	0:48:07	4.172
1/16/95	0:18:07	5.142	1/17/95	0:48:07	4.876	1/18/95	1:18:07	4.417
1/16/95	0:48:07	5.172	1/17/95	1:18:07	5.183	1/18/95	1:48:07	4.713
1/16/95	1:18:07	5.356	1/17/95	1:48:07	5.407	1/18/95	2:18:07	4.927
1/16/95	1:48:07	5.724	1/17/95	2:18:07	5.56	1/18/95	2:48:07	5.132
1/16/95	2:18:07	5.703	1/17/95	2:48:07	5.734	1/18/95	3:18:07	5.315
1/16/95	2:48:07	5.764	1/17/95	3:18:07	5.754	1/18/95	3:48:07	5.417
1/16/95	3:18:07	5.897	1/17/95	3:48:07	5.693	1/18/95	4:18:07	5.458
1/16/95	3:48:07	5.642	1/17/95	4:18:07	5.632	1/18/95	4:48:07	5.346
1/16/95	4:18:07	5.356	1/17/95	4:48:07	5.428	1/18/95	5:18:07	5.132
1/16/95	4:48:07	5.346	1/17/95	5:18:07	5.081	1/18/95	5:48:07	4.795
1/16/95	5:18:07	5.04	1/17/95	5:48:07	4.846	1/18/95	6:18:07	4.458
1/16/95	5:48:07	4.713	1/17/95	6:18:07	4.54	1/18/95	6:48:07	4.08
1/16/95	6:18:07	4.407	1/17/95	6:48:07	4.101	1/18/95	7:18:07	3.692
1/16/95	6:48:07	4.356	1/17/95	7:18:07	3.835	1/18/95	7:48:07	3.366
1/16/95	7:18:07	4.08	1/17/95	7:48:07	3.539	1/18/95	8:18:07	2.988
1/16/95	7:48:07	3.723	1/17/95	8:18:07	3.325	1/18/95	8:48:07	2.702
1/16/95	8:18:07	3.59	1/17/95	8:48:07	3.151	1/18/95	9:18:07	2.508
1/16/95	8:48:07	3.468	1/17/95	9:18:07	3.019	1/18/95	9:48:07	2.324
1/16/95	9:18:07	3.458	1/17/95	9:48:07	3.039	1/18/95	10:18:07	2.294
1/16/95	9:48:07	3.58	1/17/95	10:18:07	3.162	1/18/95	10:48:07	2.416
1/16/95	10:18:07	3.784	1/17/95	10:48:07	3.345	1/18/95	11:18:07	2.529
1/16/95	10:48:07	4.06	1/17/95	11:18:07	3.743	1/18/95	11:48:07	2.763
1/16/95	11:18:07	4.254	1/17/95	11:48:07	4.141	1/18/95	12:18:07	3.121
1/16/95	11:48:07	4.58	1/17/95	12:18:07	4.417	1/18/95	12:48:07	3.345
1/16/95	12:18:07	5.101	1/17/95	12:48:07	4.703	1/18/95	13:18:07	3.641
1/16/95	12:48:07	5.254	1/17/95	13:18:07	4.999	1/18/95	13:48:07	3.947
1/16/95	13:18:07	5.55	1/17/95	13:48:07	5.244	1/18/95	14:18:07	4.213
1/16/95	13:48:07	5.897	1/17/95	14:18:07	5.591	1/18/95	14:48:07	4.448
1/16/95	14:18:07	6.132	1/17/95	14:48:07	5.897	1/18/95	15:18:07	4.897
1/16/95	14:48:07	6.295	1/17/95	15:18:07	6.132	1/18/95	15:48:07	5.213
1/16/95	15:18:07	6.346	1/17/95	15:48:07	6.397	1/18/95	16:18:07	5.366
1/16/95	15:48:07	6.295	1/17/95	16:18:07	6.295	1/18/95	16:48:07	5.458
1/16/95	16:18:07	6.152	1/17/95	16:48:07	6.173	1/18/95	17:18:07	5.346

1/18/95	17:48:07	5.05	1/19/95	18:18:07	5.376	1/20/95	18:48:07	5.101
1/18/95	18:18:07	4.754	1/19/95	18:48:07	5.152	1/20/95	19:18:07	5.162
1/18/95	18:48:07	4.407	1/19/95	19:18:07	4.754	1/20/95	19:48:07	5.142
1/18/95	19:18:07	3.856	1/19/95	19:48:07	4.55	1/20/95	20:18:07	4.886
1/18/95	19:48:07	3.662	1/19/95	20:18:07	4.325	1/20/95	20:48:07	4.682
1/18/95	20:18:07	3.294	1/19/95	20:48:07	3.937	1/20/95	21:18:07	4.386
1/18/95	20:48:07	2.998	1/19/95	21:18:07	3.722	1/20/95	21:48:07	3.937
1/18/95	21:18:07	2.937	1/19/95	21:48:07	3.528	1/20/95	22:18:07	3.539
1/18/95	21:48:07	2.702	1/19/95	22:18:07	3.161	1/20/95	22:48:07	3.182
1/18/95	22:18:07	2.478	1/19/95	22:48:07	3.12	1/20/95	23:18:07	2.927
1/18/95	22:48:07	2.529	1/19/95	23:18:07	3.028	1/20/95	23:48:07	2.906
1/18/95	23:18:07	2.416	1/19/95	23:48:07	2.926	1/21/95	0:18:07	2.967
1/18/95	23:48:07	2.559	1/20/95	0:18:07	3.161	1/21/95	0:48:07	3.172
1/19/95	0:18:07	2.998	1/20/95	0:48:07	3.365	1/21/95	1:18:07	3.345
1/19/95	0:48:07	3.11	1/20/95	1:18:07	3.528	1/21/95	1:48:07	3.488
1/19/95	1:18:07	3.427	1/20/95	1:48:07	3.865	1/21/95	2:18:07	3.672
1/19/95	1:48:07	3.713	1/20/95	2:18:07	4.141	1/21/95	2:48:07	3.835
1/19/95	2:18:07	3.896	1/20/95	2:48:07	4.407	1/21/95	3:18:07	4.131
1/19/95	2:48:07	4.172	1/20/95	3:18:07	4.754	1/21/95	3:48:07	4.407
1/19/95	3:18:07	4.488	1/20/95	3:48:07	5.009	1/21/95	4:18:07	4.693
1/19/95	3:48:07	4.672	1/20/95	4:18:07	5.213	1/21/95	4:48:07	4.999
1/19/95	4:18:07	4.866	1/20/95	4:48:07	5.428	1/21/95	5:18:07	5.274
1/19/95	4:48:07	4.927	1/20/95	5:18:07	5.611	1/21/95	5:48:07	5.458
1/19/95	5:18:07	4.866	1/20/95	5:48:07	5.581	1/21/95	6:18:07	5.601
1/19/95	5:48:07	4.764	1/20/95	6:18:07	5.519	1/21/95	6:48:07	5.642
1/19/95	6:18:07	4.611	1/20/95	6:48:07	5.417	1/21/95	7:18:07	5.56
1/19/95	6:48:07	4.254	1/20/95	7:18:07	4.917	1/21/95	7:48:07	5.172
1/19/95	7:18:07	3.937	1/20/95	7:48:07	4.509	1/21/95	8:18:07	4.886
1/19/95	7:48:07	3.631	1/20/95	8:18:07	4.233	1/21/95	8:48:07	4.682
1/19/95	8:18:07	3.213	1/20/95	8:48:07	3.794	1/21/95	9:18:07	4.356
1/19/95	8:48:07	2.937	1/20/95	9:18:07	3.519	1/21/95	9:48:07	4.08
1/19/95	9:18:07	2.712	1/20/95	9:48:07	3.335	1/21/95	10:18:07	3.927
1/19/95	9:48:07	2.447	1/20/95	10:18:07	3.121	1/21/95	10:48:07	3.753
1/19/95	10:18:07	2.273	1/20/95	10:48:07	2.978	1/21/95	11:18:07	3.508
1/19/95	10:48:07	2.233	1/20/95	11:18:07	2.896	1/21/95	11:48:07	3.386
1/19/95	11:18:07	2.171	1/20/95	11:48:07	2.825	1/21/95	12:18:07	3.325
1/19/95	11:48:07	2.416	1/20/95	12:18:07	2.692	1/21/95	12:48:07	3.314
1/19/95	12:18:07	2.753	1/20/95	12:48:07	2.753	1/21/95	13:18:07	3.508
1/19/95	12:48:07	3.039	1/20/95	13:18:07	2.957	1/21/95	13:48:07	3.713
1/19/95	13:18:07	3.376	1/20/95	13:48:07	2.733	1/21/95	14:18:07	3.927
1/19/95	13:48:07	3.743	1/20/95	14:18:07	3.396	1/21/95	14:48:07	4.203
1/19/95	14:18:07	4.049	1/20/95	14:48:07	4.06	1/21/95	15:18:07	4.417
1/19/95	14:48:07	4.366	1/20/95	15:18:07	4.243	1/21/95	15:48:07	4.662
1/19/95	15:18:07	4.703	1/20/95	15:48:07	4.703	1/21/95	16:18:07	4.907
1/19/95	15:48:07	5.06	1/20/95	16:18:07	4.733	1/21/95	16:48:07	5.091
1/19/95	16:18:07	5.325	1/20/95	16:48:07	5.111	1/21/95	17:18:07	5.244
1/19/95	16:48:07	5.499	1/20/95	17:18:07	5.121	1/21/95	17:48:07	5.468
1/19/95	17:18:07	5.621	1/20/95	17:48:07	5.07	1/21/95	18:18:07	5.591
1/19/95	17:48:07	5.499	1/20/95	18:18:07	5.183	1/21/95	18:48:07	5.693

1/21/95	19:18:07	5.652	1/22/95	19:48:07	6.02	1/23/95	20:18:07	6.02
1/21/95	19:48:07	5.499	1/22/95	20:18:07	6.02	1/23/95	20:48:07	6.101
1/21/95	20:18:07	5.366	1/22/95	20:48:07	5.866	1/23/95	21:18:07	5.948
1/21/95	20:48:07	5.029	1/22/95	21:18:07	5.611	1/23/95	21:48:07	5.683
1/21/95	21:18:07	4.652	1/22/95	21:48:07	5.509	1/23/95	22:18:07	5.438
1/21/95	21:48:07	4.243	1/22/95	22:18:07	5.142	1/23/95	22:48:07	4.989
1/21/95	22:18:07	3.947	1/22/95	22:48:07	4.733	1/23/95	23:18:07	4.601
1/21/95	22:48:07	3.671	1/22/95	23:18:07	4.203	1/23/95	23:48:07	4.264
1/21/95	23:18:07	3.457	1/22/95	23:48:07	3.794	1/24/95	0:18:07	3.917
1/21/95	23:48:07	3.202	1/23/95	0:18:07	3.478	1/24/95	0:48:07	3.549
1/22/95	0:18:07	3.048	1/23/95	0:48:07	3.355	1/24/95	1:18:07	3.324
1/22/95	0:48:07	2.885	1/23/95	1:18:07	3.386	1/24/95	1:48:07	3.181
1/22/95	1:18:07	2.834	1/23/95	1:48:07	3.549	1/24/95	2:18:07	3.028
1/22/95	1:48:07	3.028	1/23/95	2:18:07	3.723	1/24/95	2:48:07	3.028
1/22/95	2:18:07	3.314	1/23/95	2:48:07	3.866	1/24/95	3:18:07	3.048
1/22/95	2:48:07	3.579	1/23/95	3:18:07	3.968	1/24/95	3:48:07	3.14
1/22/95	3:18:07	3.906	1/23/95	3:48:07	4.162	1/24/95	4:18:07	3.365
1/22/95	3:48:07	4.11	1/23/95	4:18:07	4.305	1/24/95	4:48:07	3.498
1/22/95	4:18:07	4.294	1/23/95	4:48:07	4.529	1/24/95	5:18:07	3.702
1/22/95	4:48:07	4.468	1/23/95	5:18:07	4.866	1/24/95	5:48:07	3.977
1/22/95	5:18:07	4.744	1/23/95	5:48:07	5.04	1/24/95	6:18:07	4.222
1/22/95	5:48:07	5.019	1/23/95	6:18:07	5.336	1/24/95	6:48:07	4.427
1/22/95	6:18:07	5.336	1/23/95	6:48:07	5.591	1/24/95	7:18:07	4.713
1/22/95	6:48:07	5.489	1/23/95	7:18:07	5.815	1/24/95	7:48:07	5.009
1/22/95	7:18:07	5.611	1/23/95	7:48:07	5.999	1/24/95	8:18:07	5.213
1/22/95	7:48:07	5.642	1/23/95	8:18:07	5.969	1/24/95	8:48:07	5.407
1/22/95	8:18:07	5.499	1/23/95	8:48:07	5.999	1/24/95	9:18:07	5.55
1/22/95	8:48:07	5.244	1/23/95	9:18:07	5.785	1/24/95	9:48:07	5.611
1/22/95	9:18:07	5.029	1/23/95	9:48:07	5.53	1/24/95	10:18:07	5.448
1/22/95	9:48:07	4.693	1/23/95	10:18:07	5.53	1/24/95	10:48:07	5.366
1/22/95	10:18:07	4.366	1/23/95	10:48:07	5.203	1/24/95	11:18:07	5.172
1/22/95	10:48:07	4.152	1/23/95	11:18:07	5.05	1/24/95	11:48:07	4.907
1/22/95	11:18:07	3.988	1/23/95	11:48:07	4.907	1/24/95	12:18:07	4.672
1/22/95	11:48:07	3.835	1/23/95	12:18:07	4.672	1/24/95	12:48:07	4.478
1/22/95	12:18:07	3.692	1/23/95	12:48:07	4.509	1/24/95	13:18:07	4.284
1/22/95	12:48:07	3.702	1/23/95	13:18:07	4.264	1/24/95	13:48:07	4.142
1/22/95	13:18:07	3.651	1/23/95	13:48:07	4.162	1/24/95	14:18:07	3.999
1/22/95	13:48:07	3.713	1/23/95	14:18:07	4.111	1/24/95	14:48:07	4.05
1/22/95	14:18:07	3.947	1/23/95	14:48:07	4.152	1/24/95	15:18:07	3.978
1/22/95	14:48:07	4.213	1/23/95	15:18:07	4.315	1/24/95	15:48:07	4.05
1/22/95	15:18:07	4.437	1/23/95	15:48:07	4.499	1/24/95	16:18:07	4.039
1/22/95	15:48:07	4.784	1/23/95	16:18:07	4.682	1/24/95	16:48:07	4.142
1/22/95	16:18:07	4.917	1/23/95	16:48:07	4.815	1/24/95	17:18:07	4.284
1/22/95	16:48:07	5.029	1/23/95	17:18:07	4.876	1/24/95	17:48:07	4.407
1/22/95	17:18:07	5.234	1/23/95	17:48:07	5.04	1/24/95	18:18:07	4.55
1/22/95	17:48:07	5.387	1/23/95	18:18:07	5.203	1/24/95	18:48:07	4.703
1/22/95	18:18:07	5.56	1/23/95	18:48:07	5.397	1/24/95	19:18:07	4.938
1/22/95	18:48:07	5.764	1/23/95	19:18:07	5.611	1/24/95	19:48:07	5.234
1/22/95	19:18:07	5.948	1/23/95	19:48:07	5.887	1/24/95	20:18:07	5.499

1/24/95	20:48:07	5.744	1/25/95	21:18:07	5.571	1/26/95	21:48:07	5.377
1/24/95	21:18:07	5.877	1/25/95	21:48:07	5.754	1/26/95	22:18:07	5.611
1/24/95	21:48:07	5.826	1/25/95	22:18:07	5.836	1/26/95	22:48:07	5.795
1/24/95	22:18:07	5.673	1/25/95	22:48:07	5.846	1/26/95	23:18:07	5.867
1/24/95	22:48:07	5.397	1/25/95	23:18:07	5.754	1/26/95	23:48:07	5.897
1/24/95	23:18:07	5.162	1/25/95	23:48:07	5.54	1/27/95	0:18:07	5.897
1/24/95	23:48:07	4.815	1/26/95	0:18:07	5.254	1/27/95	0:48:07	5.693
1/25/95	0:18:07	4.407	1/26/95	0:48:07	4.958	1/27/95	1:18:07	5.448
1/25/95	0:48:07	4.131	1/26/95	1:18:07	4.621	1/27/95	1:48:07	5.07
1/25/95	1:18:07	3.897	1/26/95	1:48:07	4.274	1/27/95	2:18:07	4.693
1/25/95	1:48:07	3.703	1/26/95	2:18:07	3.978	1/27/95	2:48:07	4.427
1/25/95	2:18:07	3.478	1/26/95	2:48:07	3.702	1/27/95	3:18:07	4.111
1/25/95	2:48:07	3.325	1/26/95	3:18:07	3.487	1/27/95	3:48:07	3.937
1/25/95	3:18:07	3.172	1/26/95	3:48:07	3.232	1/27/95	4:18:07	3.713
1/25/95	3:48:07	3.08	1/26/95	4:18:07	3.089	1/27/95	4:48:07	3.499
1/25/95	4:18:07	3.07	1/26/95	4:48:07	3.018	1/27/95	5:18:07	3.427
1/25/95	4:48:07	3.162	1/26/95	5:18:07	3.008	1/27/95	5:48:07	3.325
1/25/95	5:18:07	3.356	1/26/95	5:48:07	3.1	1/27/95	6:18:07	3.335
1/25/95	5:48:07	3.59	1/26/95	6:18:07	3.273	1/27/95	6:48:07	3.448
1/25/95	6:18:07	3.754	1/26/95	6:48:07	3.528	1/27/95	7:18:07	3.641
1/25/95	6:48:07	4.009	1/26/95	7:18:07	3.784	1/27/95	7:48:07	3.937
1/25/95	7:18:07	4.254	1/26/95	7:48:07	4.018	1/27/95	8:18:07	4.121
1/25/95	7:48:07	4.284	1/26/95	8:18:07	4.233	1/27/95	8:48:07	4.387
1/25/95	8:18:07	4.632	1/26/95	8:48:07	4.519	1/27/95	9:18:07	4.652
1/25/95	8:48:07	4.968	1/26/95	9:18:07	4.723	1/27/95	9:48:07	4.938
1/25/95	9:18:07	5.264	1/26/95	9:48:07	5.04	1/27/95	10:18:07	5.254
1/25/95	9:48:07	5.52	1/26/95	10:18:07	5.52	1/27/95	10:48:07	5.795
1/25/95	10:18:07	5.754	1/26/95	10:48:07	6.01	1/27/95	11:18:07	6.285
1/25/95	10:48:07	6.02	1/26/95	11:18:07	6.234	1/27/95	11:48:07	6.693
1/25/95	11:18:07	6.01	1/26/95	11:48:07	6.408	1/27/95	12:18:07	6.847
1/25/95	11:48:07	5.805	1/26/95	12:18:07	6.295	1/27/95	12:48:07	6.887
1/25/95	12:18:07	5.591	1/26/95	12:48:07	6.163	1/27/95	13:18:07	6.796
1/25/95	12:48:07	5.213	1/26/95	13:18:07	5.816	1/27/95	13:48:07	6.489
1/25/95	13:18:07	4.774	1/26/95	13:48:07	5.55	1/27/95	14:18:07	6.163
1/25/95	13:48:07	4.57	1/26/95	14:18:07	5.254	1/27/95	14:48:07	5.877
1/25/95	14:18:07	4.315	1/26/95	14:48:07	5.009	1/27/95	15:18:07	5.55
1/25/95	14:48:07	4.162	1/26/95	15:18:07	4.846	1/27/95	15:48:07	5.234
1/25/95	15:18:07	4.05	1/26/95	15:48:07	4.683	1/27/95	16:18:07	4.907
1/25/95	15:48:07	3.958	1/26/95	16:18:07	4.601	1/27/95	16:48:07	4.754
1/25/95	16:18:07	3.907	1/26/95	16:48:07	4.295	1/27/95	17:18:07	4.499
1/25/95	16:48:07	3.897	1/26/95	17:18:07	4.101	1/27/95	17:48:07	4.284
1/25/95	17:18:07	3.978	1/26/95	17:48:07	4.019	1/27/95	18:18:07	4.244
1/25/95	17:48:07	4.08	1/26/95	18:18:07	3.978	1/27/95	18:48:07	4.203
1/25/95	18:18:07	4.162	1/26/95	18:48:07	4.04	1/27/95	19:18:07	4.213
1/25/95	18:48:07	4.295	1/26/95	19:18:07	4.264	1/27/95	19:48:07	4.427
1/25/95	19:18:07	4.519	1/26/95	19:48:07	4.448	1/27/95	20:18:07	4.703
1/25/95	19:48:07	4.764	1/26/95	20:18:07	4.642	1/27/95	20:48:07	4.825
1/25/95	20:18:07	4.989	1/26/95	20:48:07	4.897	1/27/95	21:18:07	5.07
1/25/95	20:48:07	5.264	1/26/95	21:18:07	5.132	1/27/95	21:48:07	5.244

1/27/95	22:18:07	5.509	1/28/95	22:48:07	4.254	1/29/95	23:18:07	3.641
1/27/95	22:48:07	5.703	1/28/95	23:18:07	4.499	1/29/95	23:48:07	3.866
1/27/95	23:18:07	5.877	1/28/95	23:48:07	4.652	1/30/95	0:18:07	4.121
1/27/95	23:48:07	6.071	1/29/95	0:18:07	4.958	1/30/95	0:48:07	4.376
1/28/95	0:18:07	6.173	1/29/95	0:48:07	5.234	1/30/95	1:18:07	4.774
1/28/95	0:48:07	6.091	1/29/95	1:18:07	5.407	1/30/95	1:48:07	5.081
1/28/95	1:18:07	6.01	1/29/95	1:48:07	5.479	1/30/95	2:18:07	5.244
1/28/95	1:48:07	5.918	1/29/95	2:18:07	5.428	1/30/95	2:48:07	5.285
1/28/95	2:18:07	5.693	1/29/95	2:48:07	5.173	1/30/95	3:18:07	5.213
1/28/95	2:48:07	5.377	1/29/95	3:18:07	4.764	1/30/95	3:48:07	4.897
1/28/95	3:18:07	4.958	1/29/95	3:48:07	4.305	1/30/95	4:18:07	4.54
1/28/95	3:48:07	4.56	1/29/95	4:18:07	3.876	1/30/95	4:48:07	4.121
1/28/95	4:18:07	4.131	1/29/95	4:48:07	3.458	1/30/95	5:18:07	3.682
1/28/95	4:48:07	3.835	1/29/95	5:18:07	3.131	1/30/95	5:48:07	3.264
1/28/95	5:18:07	3.59	1/29/95	5:48:07	2.805	1/30/95	6:18:07	2.917
1/28/95	5:48:07	3.375	1/29/95	6:18:07	2.509	1/30/95	6:48:07	2.61
1/28/95	6:18:07	3.232	1/29/95	6:48:07	2.253	1/30/95	7:18:07	2.293
1/28/95	6:48:07	3.191	1/29/95	7:18:07	1.968	1/30/95	7:48:07	2.038
1/28/95	7:18:07	3.202	1/29/95	7:48:07	1.896	1/30/95	8:18:07	1.864
1/28/95	7:48:07	3.212	1/29/95	8:18:07	1.865	1/30/95	8:48:07	1.915
1/28/95	8:18:07	3.375	1/29/95	8:48:07	1.917	1/30/95	9:18:07	2.007
1/28/95	8:48:07	3.6	1/29/95	9:18:07	2.223	1/30/95	9:48:07	2.303
1/28/95	9:18:07	3.824	1/29/95	9:48:07	2.498	1/30/95	10:18:07	2.712
1/28/95	9:48:07	3.988	1/29/95	10:18:07	2.835	1/30/95	10:48:07	3.161
1/28/95	10:18:07	4.447	1/29/95	10:48:07	3.346	1/30/95	11:18:07	3.63
1/28/95	10:48:07	4.825	1/29/95	11:18:07	3.805	1/30/95	11:48:07	4.018
1/28/95	11:18:07	5.224	1/29/95	11:48:07	4.233	1/30/95	12:18:07	4.365
1/28/95	11:48:07	5.652	1/29/95	12:18:07	4.55	1/30/95	12:48:07	4.733
1/28/95	12:18:07	6.183	1/29/95	12:48:07	4.968	1/30/95	13:18:07	5.162
1/28/95	12:48:07	6.489	1/29/95	13:18:07	5.448	1/30/95	13:48:07	5.56
1/28/95	13:18:07	6.673	1/29/95	13:48:07	5.816	1/30/95	14:18:07	5.918
1/28/95	13:48:07	6.734	1/29/95	14:18:07	6.04	1/30/95	14:48:07	6.193
1/28/95	14:18:07	6.612	1/29/95	14:48:07	6.214	1/30/95	15:18:07	6.377
1/28/95	14:48:07	6.459	1/29/95	15:18:07	6.04	1/30/95	15:48:07	6.265
1/28/95	15:18:07	5.989	1/29/95	15:48:07	5.591	1/30/95	16:18:07	6.101
1/28/95	15:48:07	5.632	1/29/95	16:18:07	5.173	1/30/95	16:48:07	5.581
1/28/95	16:18:07	4.632	1/29/95	16:48:07	4.56	1/30/95	17:18:07	5.009
1/28/95	16:48:07	4.142	1/29/95	17:18:07	3.825	1/30/95	17:48:07	4.488
1/28/95	17:18:07	3.846	1/29/95	17:48:07	3.407	1/30/95	18:18:07	3.958
1/28/95	17:48:07	3.59	1/29/95	18:18:07	3.151	1/30/95	18:48:07	3.57
1/28/95	18:18:07	3.284	1/29/95	18:48:07	2.845	1/30/95	19:18:07	3.304
1/28/95	18:48:07	3.223	1/29/95	19:18:07	2.733	1/30/95	19:48:07	3.07
1/28/95	19:18:07	3.111	1/29/95	19:48:07	2.692	1/30/95	20:18:07	2.988
1/28/95	19:48:07	3.121	1/29/95	20:18:07	2.529	1/30/95	20:48:07	2.835
1/28/95	20:18:07	3.305	1/29/95	20:48:07	2.6	1/30/95	21:18:07	2.855
1/28/95	20:48:07	3.315	1/29/95	21:18:07	2.733	1/30/95	21:48:07	2.957
1/28/95	21:18:07	3.59	1/29/95	21:48:07	2.937	1/30/95	22:18:07	3.029
1/28/95	21:48:07	3.825	1/29/95	22:18:07	3.202	1/30/95	22:48:07	3.335
1/28/95	22:18:07	3.886	1/29/95	22:48:07	3.427	1/30/95	23:18:07	3.713

1/30/95	23:48:07	3.886	2/1/95	0:18:07	4.06	2/2/95	0:48:07	3.733
1/31/95	0:18:07	4.182	2/1/95	0:48:07	4.356	2/2/95	1:18:07	4.06
1/31/95	0:48:07	4.488	2/1/95	1:18:07	4.693	2/2/95	1:48:07	4.366
1/31/95	1:18:07	4.774	2/1/95	1:48:07	4.989	2/2/95	2:18:07	4.56
1/31/95	1:48:07	5.152	2/1/95	2:18:07	5.428	2/2/95	2:48:07	4.897
1/31/95	2:18:07	5.52	2/1/95	2:48:07	5.826	2/2/95	3:18:07	5.203
1/31/95	2:48:07	5.826	2/1/95	3:18:07	6.183	2/2/95	3:48:07	5.469
1/31/95	3:18:07	5.928	2/1/95	3:48:07	6.438	2/2/95	4:18:07	5.765
1/31/95	3:48:07	5.969	2/1/95	4:18:07	6.53	2/2/95	4:48:07	5.856
1/31/95	4:18:07	5.826	2/1/95	4:48:07	6.51	2/2/95	5:18:07	5.856
1/31/95	4:48:07	5.397	2/1/95	5:18:07	6.275	2/2/95	5:48:07	5.826
1/31/95	5:18:07	4.968	2/1/95	5:48:07	5.999	2/2/95	6:18:07	5.611
1/31/95	5:48:07	4.499	2/1/95	6:18:07	5.601	2/2/95	6:48:07	5.193
1/31/95	6:18:07	4.06	2/1/95	6:48:07	5.152	2/2/95	7:18:07	4.774
1/31/95	6:48:07	3.59	2/1/95	7:18:07	4.652	2/2/95	7:48:07	4.335
1/31/95	7:18:07	3.192	2/1/95	7:48:07	4.182	2/2/95	8:18:07	3.917
1/31/95	7:48:07	2.855	2/1/95	8:18:07	3.907	2/2/95	8:48:07	3.488
1/31/95	8:18:07	2.559	2/1/95	8:48:07	3.62	2/2/95	9:18:07	3.253
1/31/95	8:48:07	2.284	2/1/95	9:18:07	3.416	2/2/95	9:48:07	3.07
1/31/95	9:18:07	2.11	2/1/95	9:48:07	3.242	2/2/95	10:18:07	2.906
1/31/95	9:48:07	2.202	2/1/95	10:18:07	3.212	2/2/95	10:48:07	2.917
1/31/95	10:18:07	2.294	2/1/95	10:48:07	3.314	2/2/95	11:18:07	3.029
1/31/95	10:48:07	2.672	2/1/95	11:18:07	3.63	2/2/95	11:48:07	3.223
1/31/95	11:18:07	3.202	2/1/95	11:48:07	3.937	2/2/95	12:18:07	3.427
1/31/95	11:48:07	3.56	2/1/95	12:18:07	4.345	2/2/95	12:48:07	3.784
1/31/95	12:18:07	3.907	2/1/95	12:48:07	4.845	2/2/95	13:18:07	4.111
1/31/95	12:48:07	4.233	2/1/95	13:18:07	5.019	2/2/95	13:48:07	4.376
1/31/95	13:18:07	4.55	2/1/95	13:48:07	5.284	2/2/95	14:18:07	4.57
1/31/95	13:48:07	4.805	2/1/95	14:18:07	5.59	2/2/95	14:48:07	4.795
1/31/95	14:18:07	5.234	2/1/95	14:48:07	5.867	2/2/95	15:18:07	5.04
1/31/95	14:48:07	5.826	2/1/95	15:18:07	6.091			
1/31/95	15:18:07	6.152	2/1/95	15:48:07	6.499			
1/31/95	15:48:07	6.459	2/1/95	16:18:07	6.775			
1/31/95	16:18:07	6.51	2/1/95	16:48:07	6.826			
1/31/95	16:48:07	6.305	2/1/95	17:18:07	6.744			
1/31/95	17:18:07	5.867	2/1/95	17:48:07	6.499			
1/31/95	17:48:07	5.346	2/1/95	18:18:07	5.969			
1/31/95	18:18:07	4.774	2/1/95	18:48:07	5.387			
1/31/95	18:48:07	4.295	2/1/95	19:18:07	4.927			
1/31/95	19:18:07	3.886	2/1/95	19:48:07	4.407			
1/31/95	19:48:07	3.59	2/1/95	20:18:07	4.05			
1/31/95	20:18:07	3.437	2/1/95	20:48:07	3.743			
1/31/95	20:48:07	3.345	2/1/95	21:18:07	3.56			
1/31/95	21:18:07	3.233	2/1/95	21:48:07	3.437			
1/31/95	21:48:07	3.172	2/1/95	22:18:07	3.264			
1/31/95	22:18:07	3.202	2/1/95	22:48:07	3.172			
1/31/95	22:48:07	3.274	2/1/95	23:18:07	3.111			
1/31/95	23:18:07	3.488	2/1/95	23:48:07	3.192			
1/31/95	23:48:07	3.743	2/2/95	0:18:07	3.478			

Reference Point Elevation 7.30 feet msl

Number of TUBERs:1
Channel Number : 0
TUBER Addresses :1
Serial Numbers :21394
Site Names :STM-4
Engineer Names :TSE
Number of Logs : 2460
Depth : 12.6199
Ordnance Data : 0
Imp / Metric :Feet
Well / Ordnance :Wellhead
Start Date :12-13-1994
Start Time :09:37:04
Initial Reading :0
WakeUp Period :1
Number of Rates :1
IntervalSamples 1800

Date	Time	Depth
12/13/94	9:37:04	5.382
12/13/94	10:07:04	5.770
12/13/94	10:37:04	6.617
12/13/94	11:07:04	6.362
12/13/94	11:37:04	6.158
12/13/94	12:07:04	6.117
12/13/94	12:37:04	6.505
12/13/94	13:07:04	6.597
12/13/94	13:37:04	6.464
12/13/94	14:07:04	6.311
12/13/94	14:37:04	6.107
12/13/94	15:07:04	5.821
12/13/94	15:37:04	5.553
12/13/94	16:07:04	5.297
12/13/94	16:37:04	5.052
12/13/94	17:07:04	4.889
12/13/94	17:37:04	4.756
12/13/94	18:07:04	4.705
12/13/94	18:37:04	4.736
12/13/94	19:07:04	4.817
12/13/94	19:37:04	4.930
12/13/94	20:07:04	5.052
12/13/94	20:37:04	5.205
12/13/94	21:07:04	5.328
12/13/94	21:37:04	5.440
12/13/94	22:07:04	5.522
12/13/94	22:37:04	5.645
12/13/94	23:07:04	5.777
12/13/94	23:37:04	5.900
12/14/94	0:07:04	5.910
12/14/94	0:37:04	5.849
12/14/94	1:07:04	5.757
12/14/94	1:37:04	5.573
12/14/94	2:07:04	5.379
12/14/94	2:37:04	5.154
12/14/94	3:07:04	4.848
12/14/94	3:37:04	4.633
12/14/94	4:07:04	4.303
12/14/94	4:37:04	3.997
12/14/94	5:07:04	3.752
12/14/94	5:37:04	3.527
12/14/94	6:07:04	3.353
12/14/94	6:37:04	3.261
12/14/94	7:07:04	3.210
12/14/94	7:37:04	3.384
12/14/94	8:07:04	3.486
12/14/94	8:37:04	3.619
12/14/94	9:07:04	3.915
12/14/94	9:37:04	4.150
12/14/94	10:07:04	4.447
12/14/94	10:37:04	4.773
12/14/94	11:07:04	5.060
12/14/94	11:37:04	5.356
12/14/94	12:07:04	5.581
12/14/94	12:37:04	5.775
12/14/94	13:07:04	5.959
12/14/94	13:37:04	6.091
12/14/94	14:07:04	6.030
12/14/94	14:37:04	5.877
12/14/94	15:07:04	5.683
12/14/94	15:37:04	5.448
12/14/94	16:07:04	5.080
12/14/94	16:37:04	4.855
12/14/94	17:07:04	4.691
12/14/94	17:37:04	4.477
12/14/94	18:07:04	4.385
12/14/94	18:37:04	4.365
12/14/94	19:07:04	4.324
12/14/94	19:37:04	4.385
12/14/94	20:07:04	4.446
12/14/94	20:37:04	4.569
12/14/94	21:07:04	4.640
12/14/94	21:37:04	4.824
12/14/94	22:07:04	5.029
12/14/94	22:37:04	5.182
12/14/94	23:07:04	5.335
12/14/94	23:37:04	5.478
12/15/94	0:07:04	5.652
12/15/94	0:37:04	5.856
12/15/94	1:07:04	5.887
12/15/94	1:37:04	5.805
12/15/94	2:07:04	5.744
12/15/94	2:37:04	5.642
12/15/94	3:07:04	5.427
12/15/94	3:37:04	5.192
12/15/94	4:07:04	4.937
12/15/94	4:37:04	4.640
12/15/94	5:07:04	4.324
12/15/94	5:37:04	4.140
12/15/94	6:07:04	3.936
12/15/94	6:37:04	3.721
12/15/94	7:07:04	3.629
12/15/94	7:37:04	3.578
12/15/94	8:07:04	3.558
12/15/94	8:37:04	3.731
12/15/94	9:07:04	3.905
12/15/94	9:37:04	4.191
12/15/94	10:07:04	4.518
12/15/94	10:37:04	4.804
12/15/94	11:07:04	5.100
12/15/94	11:37:04	5.382
12/15/94	12:07:04	5.586
12/15/94	12:37:04	5.801
12/15/94	13:07:04	6.005
12/15/94	13:37:04	6.189
12/15/94	14:07:04	6.260
12/15/94	14:37:04	6.280
12/15/94	15:07:04	6.240
12/15/94	15:37:04	6.035
12/15/94	16:07:04	5.760
12/15/94	16:37:04	5.443
12/15/94	17:07:04	5.086
12/15/94	17:37:04	4.804
12/15/94	18:07:04	4.579
12/15/94	18:37:04	4.436
12/15/94	19:07:04	4.385
12/15/94	19:37:04	4.365
12/15/94	20:07:04	4.395
12/15/94	20:37:04	4.416
12/15/94	21:07:04	4.477
12/15/94	21:37:04	4.579
12/15/94	22:07:04	4.681
12/15/94	22:37:04	4.824
12/15/94	23:07:04	5.284
12/15/94	23:37:04	5.509
12/16/94	0:07:04	5.713
12/16/94	0:37:04	5.938
12/16/94	1:07:04	6.142
12/16/94	1:37:04	6.275

12/16/94	2:07:04	6.357	12/17/94	2:37:04	5.938	12/18/94	3:07:04	5.959
12/16/94	2:37:04	6.183	12/17/94	3:07:04	5.703	12/18/94	3:37:04	5.948
12/16/94	3:07:04	5.969	12/17/94	3:37:04	5.652	12/18/94	4:07:04	5.979
12/16/94	3:37:04	5.764	12/17/94	4:07:04	5.468	12/18/94	4:37:04	5.754
12/16/94	4:07:04	5.509	12/17/94	4:37:04	5.162	12/18/94	5:07:04	5.458
12/16/94	4:37:04	5.202	12/17/94	5:07:04	4.947	12/18/94	5:37:04	5.386
12/16/94	5:07:04	4.998	12/17/94	5:37:04	4.692	12/18/94	6:07:04	4.988
12/16/94	5:37:04	4.804	12/17/94	6:07:04	4.303	12/18/94	6:37:04	4.692
12/16/94	6:07:04	4.549	12/17/94	6:37:04	4.119	12/18/94	7:07:04	4.620
12/16/94	6:37:04	4.385	12/17/94	7:07:04	3.854	12/18/94	7:37:04	4.232
12/16/94	7:07:04	4.119	12/17/94	7:37:04	3.537	12/18/94	8:07:04	4.058
12/16/94	7:37:04	3.915	12/17/94	8:07:04	3.425	12/18/94	8:37:04	3.946
12/16/94	8:07:04	3.854	12/17/94	8:37:04	3.271	12/18/94	9:07:04	3.701
12/16/94	8:37:04	3.833	12/17/94	9:07:04	3.353	12/18/94	9:37:04	3.721
12/16/94	9:07:04	3.854	12/17/94	9:37:04	3.445	12/18/94	10:07:04	3.833
12/16/94	9:37:04	4.079	12/17/94	10:07:04	3.619	12/18/94	10:37:04	4.140
12/16/94	10:07:04	4.385	12/17/94	10:37:04	3.946	12/18/94	11:07:04	4.375
12/16/94	10:37:04	4.630	12/17/94	11:07:04	4.068	12/18/94	11:37:04	4.661
12/16/94	11:07:04	4.988	12/17/94	11:37:04	4.344	12/18/94	12:07:04	4.967
12/16/94	11:37:04	5.274	12/17/94	12:07:04	4.651	12/18/94	12:37:04	5.243
12/16/94	12:07:04	5.540	12/17/94	12:37:04	4.845	12/18/94	13:07:04	5.448
12/16/94	12:37:04	5.734	12/17/94	13:07:04	5.202	12/18/94	13:37:04	5.724
12/16/94	13:07:04	5.938	12/17/94	13:37:04	5.535	12/18/94	14:07:04	6.010
12/16/94	13:37:04	6.214	12/17/94	14:07:04	5.729	12/18/94	14:37:04	6.193
12/16/94	14:07:04	6.480	12/17/94	14:37:04	5.944	12/18/94	15:07:04	6.428
12/16/94	14:37:04	6.623	12/17/94	15:07:04	6.178	12/18/94	15:37:04	6.653
12/16/94	15:07:04	6.684	12/17/94	15:37:04	6.260	12/18/94	16:07:04	6.755
12/16/94	15:37:04	6.582	12/17/94	16:07:04	6.209	12/18/94	16:37:04	6.674
12/16/94	16:07:04	6.418	12/17/94	16:37:04	6.035	12/18/94	17:07:04	6.439
12/16/94	16:37:04	6.102	12/17/94	17:07:04	5.770	12/18/94	17:37:04	6.173
12/16/94	17:07:04	5.836	12/17/94	17:37:04	5.351	12/18/94	18:07:04	5.928
12/16/94	17:37:04	5.489	12/17/94	18:07:04	5.035	12/18/94	18:37:04	5.550
12/16/94	18:07:04	5.141	12/17/94	18:37:04	4.759	12/18/94	19:07:04	5.233
12/16/94	18:37:04	4.927	12/17/94	19:07:04	4.576	12/18/94	19:37:04	5.111
12/16/94	19:07:04	4.732	12/17/94	19:37:04	4.436	12/18/94	20:07:04	4.876
12/16/94	19:37:04	4.569	12/17/94	20:07:04	4.303	12/18/94	20:37:04	4.661
12/16/94	20:07:04	4.477	12/17/94	20:37:04	4.160	12/18/94	21:07:04	4.518
12/16/94	20:37:04	4.528	12/17/94	21:07:04	4.109	12/18/94	21:37:04	4.375
12/16/94	21:07:04	4.487	12/17/94	21:37:04	4.038	12/18/94	22:07:04	4.354
12/16/94	21:37:04	4.477	12/17/94	22:07:04	4.038	12/18/94	22:37:04	4.436
12/16/94	22:07:04	4.641	12/17/94	22:37:04	4.171	12/18/94	23:07:04	4.579
12/16/94	22:37:04	4.712	12/17/94	23:07:04	4.365	12/18/94	23:37:04	4.773
12/16/94	23:07:04	4.824	12/17/94	23:37:04	4.681	12/19/94	0:07:04	4.865
12/16/94	23:37:04	4.988	12/18/94	0:07:04	4.967	12/19/94	0:37:04	5.070
12/17/94	0:07:04	5.182	12/18/94	0:37:04	5.427	12/19/94	1:07:04	5.243
12/17/94	0:37:04	5.366	12/18/94	1:07:04	5.724	12/19/94	1:37:04	5.427
12/17/94	1:07:04	5.601	12/18/94	1:37:04	5.775	12/19/94	2:07:04	5.632
12/17/94	1:37:04	5.734	12/18/94	2:07:04	5.928	12/19/94	2:37:04	5.805
12/17/94	2:07:04	5.856	12/18/94	2:37:04	6.112	12/19/94	3:07:04	6.030

12/19/94	3:37:04	6.193	12/20/94	4:07:04	6.296	12/21/94	4:37:04	6.735
12/19/94	4:07:04	6.153	12/20/94	4:37:04	6.275	12/21/94	5:07:04	6.776
12/19/94	4:37:04	5.979	12/20/94	5:07:04	6.245	12/21/94	5:37:04	6.766
12/19/94	5:07:04	5.775	12/20/94	5:37:04	6.091	12/21/94	6:07:04	6.653
12/19/94	5:37:04	5.458	12/20/94	6:07:04	5.785	12/21/94	6:37:04	6.439
12/19/94	6:07:04	5.090	12/20/94	6:37:04	5.458	12/21/94	7:07:04	6.224
12/19/94	6:37:04	4.845	12/20/94	7:07:04	5.172	12/21/94	7:37:04	5.969
12/19/94	7:07:04	4.600	12/20/94	7:37:04	4.947	12/21/94	8:07:04	5.744
12/19/94	7:37:04	4.303	12/20/94	8:07:04	4.712	12/21/94	8:37:04	5.427
12/19/94	8:07:04	4.119	12/20/94	8:37:04	4.804	12/21/94	9:07:04	5.223
12/19/94	8:37:04	3.946	12/20/94	9:07:04	4.651	12/21/94	9:37:04	4.998
12/19/94	9:07:04	3.711	12/20/94	9:37:04	4.447	12/21/94	10:07:04	4.855
12/19/94	9:37:04	3.568	12/20/94	10:07:04	4.283	12/21/94	10:37:04	4.671
12/19/94	10:07:04	3.537	12/20/94	10:37:04	4.263	12/21/94	11:07:04	4.661
12/19/94	10:37:04	3.629	12/20/94	11:07:04	4.314	12/21/94	11:37:04	4.661
12/19/94	11:07:04	3.885	12/20/94	11:37:04	4.508	12/21/94	12:07:04	4.672
12/19/94	11:37:04	4.191	12/20/94	12:07:04	4.784	12/21/94	12:37:04	4.978
12/19/94	12:07:04	4.426	12/20/94	12:37:04	5.009	12/21/94	13:07:04	5.274
12/19/94	12:37:04	4.722	12/20/94	13:07:04	5.305	12/21/94	13:37:04	5.540
12/19/94	13:07:04	4.998	12/20/94	13:37:04	5.570	12/21/94	14:07:04	5.754
12/19/94	13:37:04	5.274	12/20/94	14:07:04	5.754	12/21/94	14:37:04	6.061
12/19/94	14:07:04	5.509	12/20/94	14:37:04	6.000	12/21/94	15:07:04	6.306
12/19/94	14:37:04	5.724	12/20/94	15:07:04	6.265	12/21/94	15:37:04	6.572
12/19/94	15:07:04	6.030	12/20/94	15:37:04	6.592	12/21/94	16:07:04	6.817
12/19/94	15:37:04	6.311	12/20/94	16:07:04	6.837	12/21/94	16:37:04	6.980
12/19/94	16:07:04	6.556	12/20/94	16:37:04	6.980	12/21/94	17:07:04	7.103
12/19/94	16:37:04	6.668	12/20/94	17:07:04	7.093	12/21/94	17:37:04	7.230
12/19/94	17:07:04	6.556	12/20/94	17:37:04	7.154	12/21/94	18:07:04	7.332
12/19/94	17:37:04	6.434	12/20/94	18:07:04	7.103	12/21/94	18:37:04	7.393
12/19/94	18:07:04	6.168	12/20/94	18:37:04	6.939	12/21/94	19:07:04	7.271
12/19/94	18:37:04	5.862	12/20/94	19:07:04	6.572	12/21/94	19:37:04	7.097
12/19/94	19:07:04	5.586	12/20/94	19:37:04	6.183	12/21/94	20:07:04	6.872
12/19/94	19:37:04	5.260	12/20/94	20:07:04	5.908	12/21/94	20:37:04	6.372
12/19/94	20:07:04	4.953	12/20/94	20:37:04	5.652	12/21/94	21:07:04	6.035
12/19/94	20:37:04	4.770	12/20/94	21:07:04	5.397	12/21/94	21:37:04	5.790
12/19/94	21:07:04	4.545	12/20/94	21:37:04	5.101	12/21/94	22:07:04	5.505
12/19/94	21:37:04	4.385	12/20/94	22:07:04	4.896	12/21/94	22:37:04	5.280
12/19/94	22:07:04	4.293	12/20/94	22:37:04	4.774	12/21/94	23:07:04	5.076
12/19/94	22:37:04	4.263	12/20/94	23:07:04	4.661	12/21/94	23:37:04	4.998
12/19/94	23:07:04	4.293	12/20/94	23:37:04	4.712	12/22/94	0:07:04	4.998
12/19/94	23:37:04	4.436	12/21/94	0:07:04	4.886	12/22/94	0:37:04	5.050
12/20/94	0:07:04	4.610	12/21/94	0:37:04	5.101	12/22/94	1:07:04	5.244
12/20/94	0:37:04	4.855	12/21/94	1:07:04	5.305	12/22/94	1:37:04	5.428
12/20/94	1:07:04	5.070	12/21/94	1:37:04	5.540	12/22/94	2:07:04	5.622
12/20/94	1:37:04	5.254	12/21/94	2:07:04	5.683	12/22/94	2:37:04	5.857
12/20/94	2:07:04	5.427	12/21/94	2:37:04	5.877	12/22/94	3:07:04	6.102
12/20/94	2:37:04	5.621	12/21/94	3:07:04	6.132	12/22/94	3:37:04	6.337
12/20/94	3:07:04	5.856	12/21/94	3:37:04	6.347	12/22/94	4:07:04	6.551
12/20/94	3:37:04	6.122	12/21/94	4:07:04	6.582	12/22/94	4:37:04	6.674

12/22/94	5:07:04	6.807	12/23/94	5:37:04	6.020	12/24/94	6:07:04	2.598
12/22/94	5:37:04	6.878	12/23/94	6:07:04	6.204	12/24/94	6:37:04	3.313
12/22/94	6:07:04	6.899	12/23/94	6:37:04	6.245	12/24/94	7:07:04	4.253
12/22/94	6:37:04	6.817	12/23/94	7:07:04	6.235	12/24/94	7:37:04	4.723
12/22/94	7:07:04	6.756	12/23/94	7:37:04	6.184	12/24/94	8:07:04	4.988
12/22/94	7:37:04	6.459	12/23/94	8:07:04	5.949	12/24/94	8:37:04	4.968
12/22/94	8:07:04	6.153	12/23/94	8:37:04	5.683	12/24/94	9:07:04	5.264
12/22/94	8:37:04	5.897	12/23/94	9:07:04	5.428	12/24/94	9:37:04	5.121
12/22/94	9:07:04	5.673	12/23/94	9:37:04	5.131	12/24/94	10:07:04	5.070
12/22/94	9:37:04	5.346	12/23/94	10:07:04	4.825	12/24/94	10:37:04	4.958
12/22/94	10:07:04	5.121	12/23/94	10:37:04	4.682	12/24/94	11:07:04	4.815
12/22/94	10:37:04	4.968	12/23/94	11:07:04	4.437	12/24/94	11:37:04	4.580
12/22/94	11:07:04	4.794	12/23/94	11:37:04	4.181	12/24/94	12:07:04	4.631
12/22/94	11:37:04	4.641	12/23/94	12:07:04	4.151	12/24/94	12:37:04	3.977
12/22/94	12:07:04	4.621	12/23/94	12:37:04	4.048	12/24/94	13:07:04	4.794
12/22/94	12:37:04	4.651	12/23/94	13:07:04	3.997	12/24/94	13:37:04	4.743
12/22/94	13:07:04	4.825	12/23/94	13:37:04	4.110	12/24/94	14:07:04	4.580
12/22/94	13:37:04	5.060	12/23/94	14:07:04	4.212	12/24/94	14:37:04	4.447
12/22/94	14:07:04	5.346	12/23/94	14:37:04	4.324	12/24/94	15:07:04	4.559
12/22/94	14:37:04	5.591	12/23/94	15:07:04	4.518	12/24/94	15:37:04	4.733
12/22/94	15:07:04	5.775	12/23/94	15:37:04	4.692	12/24/94	16:07:04	4.825
12/22/94	15:37:04	6.010	12/23/94	16:07:04	4.978	12/24/94	16:37:04	4.917
12/22/94	16:07:04	6.225	12/23/94	16:37:04	5.091	12/24/94	17:07:04	4.897
12/22/94	16:37:04	6.429	12/23/94	17:07:04	5.325	12/24/94	17:37:04	4.917
12/22/94	17:07:04	6.725	12/23/94	17:37:04	5.448	12/24/94	18:07:04	4.876
12/22/94	17:37:04	6.878	12/23/94	18:07:04	5.673	12/24/94	18:37:04	4.886
12/22/94	18:07:04	6.981	12/23/94	18:37:04	5.795	12/24/94	19:07:04	5.091
12/22/94	18:37:04	7.072	12/23/94	19:07:04	5.744	12/24/94	19:37:04	5.152
12/22/94	19:07:04	7.113	12/23/94	19:37:04	6.280	12/24/94	20:07:04	5.254
12/22/94	19:37:04	7.042	12/23/94	20:07:04	6.148	12/24/94	20:37:04	5.193
12/22/94	20:07:04	6.817	12/23/94	20:37:04	5.954	12/24/94	21:07:04	5.019
12/22/94	20:37:04	6.388	12/23/94	21:07:04	5.709	12/24/94	21:37:04	4.866
12/22/94	21:07:04	6.092	12/23/94	21:37:04	5.423	12/24/94	22:07:04	4.682
12/22/94	21:37:04	5.775	12/23/94	22:07:04	5.454	12/24/94	22:37:04	4.314
12/22/94	22:07:04	5.377	12/23/94	22:37:04	4.912	12/24/94	23:07:04	4.069
12/22/94	22:37:04	5.152	12/23/94	23:07:04	4.341	12/24/94	23:37:04	3.783
12/22/94	23:07:04	4.896	12/23/94	23:37:04	4.177	12/25/94	0:07:04	3.456
12/22/94	23:37:04	4.702	12/24/94	0:07:04	3.779	12/25/94	0:37:04	3.293
12/23/94	0:07:04	4.580	12/24/94	0:37:04	3.320	12/25/94	1:07:04	3.139
12/23/94	0:37:04	4.416	12/24/94	1:07:04	2.554	12/25/94	1:37:04	3.027
12/23/94	1:07:04	4.457	12/24/94	1:37:04	1.617	12/25/94	2:07:04	3.129
12/23/94	1:37:04	4.600	12/24/94	2:07:04	1.964	12/25/94	2:37:04	3.334
12/23/94	2:07:04	4.713	12/24/94	2:37:04	1.505	12/25/94	3:07:04	3.385
12/23/94	2:37:04	4.988	12/24/94	3:07:04	1.484	12/25/94	3:37:04	3.651
12/23/94	3:07:04	5.182	12/24/94	3:37:04	1.106	12/25/94	4:07:04	3.926
12/23/94	3:37:04	5.356	12/24/94	4:07:04	0.881	12/25/94	4:37:04	4.151
12/23/94	4:07:04	5.571	12/24/94	4:37:04	1.270	12/25/94	5:07:04	4.386
12/23/94	4:37:04	5.683	12/24/94	5:07:04	1.893	12/25/94	5:37:04	4.693
12/23/94	5:07:04	5.857	12/24/94	5:37:04	2.066	12/25/94	6:07:04	4.897

12/25/94	6:37:04	5.101	12/26/94	7:07:04	4.550	12/27/94	7:37:04	4.611
12/25/94	7:07:04	5.367	12/26/94	7:37:04	4.815	12/27/94	8:07:04	4.918
12/25/94	7:37:04	5.561	12/26/94	8:07:04	5.071	12/27/94	8:37:04	5.204
12/25/94	8:07:04	5.704	12/26/94	8:37:04	5.255	12/27/94	9:07:04	5.408
12/25/94	8:37:04	5.786	12/26/94	9:07:04	5.367	12/27/94	9:37:04	5.653
12/25/94	9:07:04	5.847	12/26/94	9:37:04	5.479	12/27/94	10:07:04	5.919
12/25/94	9:37:04	5.653	12/26/94	10:07:04	5.541	12/27/94	10:37:04	6.164
12/25/94	10:07:04	5.449	12/26/94	10:37:04	5.469	12/27/94	11:07:04	6.317
12/25/94	10:37:04	5.152	12/26/94	11:07:04	5.449	12/27/94	11:37:04	6.348
12/25/94	11:07:04	4.856	12/26/94	11:37:04	5.234	12/27/94	12:07:04	6.266
12/25/94	11:37:04	4.570	12/26/94	12:07:04	4.948	12/27/94	12:37:04	6.041
12/25/94	12:07:04	4.315	12/26/94	12:37:04	4.734	12/27/94	13:07:04	5.776
12/25/94	12:37:04	4.008	12/26/94	13:07:04	4.468	12/27/94	13:37:04	5.479
12/25/94	13:07:04	3.783	12/26/94	13:37:04	4.243	12/27/94	14:07:04	5.193
12/25/94	13:37:04	3.671	12/26/94	14:07:04	4.121	12/27/94	14:37:04	5.009
12/25/94	14:07:04	3.528	12/26/94	14:37:04	4.008	12/27/94	15:07:04	4.846
12/25/94	14:37:04	3.528	12/26/94	15:07:04	3.967	12/27/94	15:37:04	4.774
12/25/94	15:07:04	3.538	12/26/94	15:37:04	4.018	12/27/94	16:07:04	4.713
12/25/94	15:37:04	3.610	12/26/94	16:07:04	4.059	12/27/94	16:37:04	4.631
12/25/94	16:07:04	3.661	12/26/94	16:37:04	4.100	12/27/94	17:07:04	4.601
12/25/94	16:37:04	3.783	12/26/94	17:07:04	4.182	12/27/94	17:37:04	4.601
12/25/94	17:07:04	3.957	12/26/94	17:37:04	4.345	12/27/94	18:07:04	4.662
12/25/94	17:37:04	4.090	12/26/94	18:07:04	4.529	12/27/94	18:37:04	4.846
12/25/94	18:07:04	4.345	12/26/94	18:37:04	4.693	12/27/94	19:07:04	5.061
12/25/94	18:37:04	4.621	12/26/94	19:07:04	4.968	12/27/94	19:37:04	5.214
12/25/94	19:07:04	4.876	12/26/94	19:37:04	5.234	12/27/94	20:07:04	5.479
12/25/94	19:37:04	5.183	12/26/94	20:07:04	5.428	12/27/94	20:37:04	5.653
12/25/94	20:07:04	5.387	12/26/94	20:37:04	5.714	12/27/94	21:07:04	5.837
12/25/94	20:37:04	5.540	12/26/94	21:07:04	6.010	12/27/94	21:37:04	6.062
12/25/94	21:07:04	5.704	12/26/94	21:37:04	6.174	12/27/94	22:07:04	6.256
12/25/94	21:37:04	5.770	12/26/94	22:07:04	6.235	12/27/94	22:37:04	6.358
12/25/94	22:07:04	5.607	12/26/94	22:37:04	6.143	12/27/94	23:07:04	6.450
12/25/94	22:37:04	5.423	12/26/94	23:07:04	5.908	12/27/94	23:37:04	6.423
12/25/94	23:07:04	5.127	12/26/94	23:37:04	5.663	12/28/94	0:07:04	6.229
12/25/94	23:37:04	4.810	12/27/94	0:07:04	5.367	12/28/94	0:37:04	5.944
12/26/94	0:07:04	4.494	12/27/94	0:37:04	4.948	12/28/94	1:07:04	5.678
12/26/94	0:37:04	4.280	12/27/94	1:07:04	4.631	12/28/94	1:37:04	5.229
12/26/94	1:07:04	4.004	12/27/94	1:37:04	4.376	12/28/94	2:07:04	4.912
12/26/94	1:37:04	3.790	12/27/94	2:07:04	4.131	12/28/94	2:37:04	4.647
12/26/94	2:07:04	3.647	12/27/94	2:37:04	3.886	12/28/94	3:07:04	4.453
12/26/94	2:37:04	3.483	12/27/94	3:07:04	3.702	12/28/94	3:37:04	4.208
12/26/94	3:07:04	3.391	12/27/94	3:37:04	3.579	12/28/94	4:07:04	4.014
12/26/94	3:37:04	3.365	12/27/94	4:07:04	3.446	12/28/94	4:37:04	3.790
12/26/94	4:07:04	3.426	12/27/94	4:37:04	3.447	12/28/94	5:07:04	3.636
12/26/94	4:37:04	3.559	12/27/94	5:07:04	3.538	12/28/94	5:37:04	3.620
12/26/94	5:07:04	3.743	12/27/94	5:37:04	3.692	12/28/94	6:07:04	3.682
12/26/94	5:37:04	3.896	12/27/94	6:07:04	3.927	12/28/94	6:37:04	3.937
12/26/94	6:07:04	4.080	12/27/94	6:37:04	4.141	12/28/94	7:07:04	4.203
12/26/94	6:37:04	4.325	12/27/94	7:07:04	4.335	12/28/94	7:37:04	4.468

12/28/94	8:07:04	4.734	12/29/94	8:37:04	5.122	12/30/94	9:07:04	5.234
12/28/94	8:37:04	4.999	12/29/94	9:07:04	5.377	12/30/94	9:37:04	5.439
12/28/94	9:07:04	5.255	12/29/94	9:37:04	5.643	12/30/94	10:07:04	5.663
12/28/94	9:37:04	5.561	12/29/94	10:07:04	5.868	12/30/94	10:37:04	5.939
12/28/94	10:07:04	5.786	12/29/94	10:37:04	6.154	12/30/94	11:07:04	6.297
12/28/94	10:37:04	6.092	12/29/94	11:07:04	6.572	12/30/94	11:37:04	6.572
12/28/94	11:07:04	6.419	12/29/94	11:37:04	6.899	12/30/94	12:07:04	6.787
12/28/94	11:37:04	6.726	12/29/94	12:07:04	7.104	12/30/94	12:37:04	7.002
12/28/94	12:07:04	6.899	12/29/94	12:37:04	7.267	12/30/94	13:07:04	7.196
12/28/94	12:37:04	6.869	12/29/94	13:07:04	7.420	12/30/94	13:37:04	7.379
12/28/94	13:07:04	6.634	12/29/94	13:37:04	7.563	12/30/94	14:07:04	7.523
12/28/94	13:37:04	6.368	12/29/94	14:07:04	7.625	12/30/94	14:37:04	7.563
12/28/94	14:07:04	6.062	12/29/94	14:37:04	7.553	12/30/94	15:07:04	7.451
12/28/94	14:37:04	5.592	12/29/94	15:07:04	7.359	12/30/94	15:37:04	7.247
12/28/94	15:07:04	5.367	12/29/94	15:37:04	7.124	12/30/94	16:07:04	6.971
12/28/94	15:37:04	5.153	12/29/94	16:07:04	6.859	12/30/94	16:37:04	6.572
12/28/94	16:07:04	4.897	12/29/94	16:37:04	6.368	12/30/94	17:07:04	5.796
12/28/94	16:37:04	4.734	12/29/94	17:07:04	5.960	12/30/94	17:37:04	5.255
12/28/94	17:07:04	4.570	12/29/94	17:37:04	5.745	12/30/94	18:07:04	4.867
12/28/94	17:37:04	4.468	12/29/94	18:07:04	5.612	12/30/94	18:37:04	4.662
12/28/94	18:07:04	4.478	12/29/94	18:37:04	5.449	12/30/94	19:07:04	4.529
12/28/94	18:37:04	4.550	12/29/94	19:07:04	5.439	12/30/94	19:37:04	4.519
12/28/94	19:07:04	4.713	12/29/94	19:37:04	5.592	12/30/94	20:07:04	4.631
12/28/94	19:37:04	4.958	12/29/94	20:07:04	5.776	12/30/94	20:37:04	4.785
12/28/94	20:07:04	5.193	12/29/94	20:37:04	5.990	12/30/94	21:07:04	4.979
12/28/94	20:37:04	5.377	12/29/94	21:07:04	6.215	12/30/94	21:37:04	5.214
12/28/94	21:07:04	5.684	12/29/94	21:37:04	6.419	12/30/94	22:07:04	5.418
12/28/94	21:37:04	5.919	12/29/94	22:07:04	6.532	12/30/94	22:37:04	5.622
12/28/94	22:07:04	6.133	12/29/94	22:37:04	6.695	12/30/94	23:07:04	5.878
12/28/94	22:37:04	6.450	12/29/94	23:07:04	6.818	12/30/94	23:37:04	6.174
12/28/94	23:07:04	6.716	12/29/94	23:37:04	6.971	12/31/94	0:07:04	6.450
12/28/94	23:37:04	6.899	12/30/94	0:07:04	7.114	12/31/94	0:37:04	6.654
12/29/94	0:07:04	6.991	12/30/94	0:37:04	7.288	12/31/94	1:07:04	6.818
12/29/94	0:37:04	6.991	12/30/94	1:07:04	7.400	12/31/94	1:37:04	6.971
12/29/94	1:07:04	6.777	12/30/94	1:37:04	7.434	12/31/94	2:07:04	7.093
12/29/94	1:37:04	6.511	12/30/94	2:07:04	7.465	12/31/94	2:37:04	7.155
12/29/94	2:07:04	6.195	12/30/94	2:37:04	7.311	12/31/94	3:07:04	7.053
12/29/94	2:37:04	5.868	12/30/94	3:07:04	7.117	12/31/94	3:37:04	6.838
12/29/94	3:07:04	5.398	12/30/94	3:37:04	6.883	12/31/94	4:07:04	6.491
12/29/94	3:37:04	5.153	12/30/94	4:07:04	6.576	12/31/94	4:37:04	5.755
12/29/94	4:07:04	4.887	12/30/94	4:37:04	5.974	12/31/94	5:07:04	5.050
12/29/94	4:37:04	4.652	12/30/94	5:07:04	5.617	12/31/94	5:37:04	4.540
12/29/94	5:07:04	4.478	12/30/94	5:37:04	5.270	12/31/94	6:07:04	4.182
12/29/94	5:37:04	4.305	12/30/94	6:07:04	4.933	12/31/94	6:37:04	3.927
12/29/94	6:07:04	4.121	12/30/94	6:37:04	4.749	12/31/94	7:07:04	3.681
12/29/94	6:37:04	4.141	12/30/94	7:07:04	4.637	12/31/94	7:37:04	3.487
12/29/94	7:07:04	4.335	12/30/94	7:37:04	4.601	12/31/94	8:07:04	3.426
12/29/94	7:37:04	4.529	12/30/94	8:07:04	4.775	12/31/94	8:37:04	3.375
12/29/94	8:07:04	4.856	12/30/94	8:37:04	4.979	12/31/94	9:07:04	3.610

12/31/94	9:37:04	3.947	1/1/95	10:07:04	3.958	1/2/95	10:37:04	3.743
12/31/94	10:07:04	4.294	1/1/95	10:37:04	4.274	1/2/95	11:07:04	4.121
12/31/94	10:37:04	4.672	1/1/95	11:07:04	4.519	1/2/95	11:37:04	4.489
12/31/94	11:07:04	5.132	1/1/95	11:37:04	4.550	1/2/95	12:07:04	4.703
12/31/94	11:37:04	5.449	1/1/95	12:07:04	4.805	1/2/95	12:37:04	5.010
12/31/94	12:07:04	5.704	1/1/95	12:37:04	5.214	1/2/95	13:07:04	5.337
12/31/94	12:37:04	6.092	1/1/95	13:07:04	5.592	1/2/95	13:37:04	5.745
12/31/94	13:07:04	6.583	1/1/95	13:37:04	6.001	1/2/95	14:07:04	6.001
12/31/94	13:37:04	6.879	1/1/95	14:07:04	6.389	1/2/95	14:37:04	6.409
12/31/94	14:07:04	7.093	1/1/95	14:37:04	6.848	1/2/95	15:07:04	6.787
12/31/94	14:37:04	7.288	1/1/95	15:07:04	7.155	1/2/95	15:37:04	7.063
12/31/94	15:07:04	7.461	1/1/95	15:37:04	7.308	1/2/95	16:07:04	7.216
12/31/94	15:37:04	7.563	1/1/95	16:07:04	7.420	1/2/95	16:37:04	7.329
12/31/94	16:07:04	7.451	1/1/95	16:37:04	7.451	1/2/95	17:07:04	7.400
12/31/94	16:37:04	7.216	1/1/95	17:07:04	7.267	1/2/95	17:37:04	7.461
12/31/94	17:07:04	6.889	1/1/95	17:37:04	6.767	1/2/95	18:07:04	7.288
12/31/94	17:37:04	6.164	1/1/95	18:07:04	6.092	1/2/95	18:37:04	6.991
12/31/94	18:07:04	5.582	1/1/95	18:37:04	5.439	1/2/95	19:07:04	6.511
12/31/94	18:37:04	5.071	1/1/95	19:07:04	5.102	1/2/95	19:37:04	5.745
12/31/94	19:07:04	4.867	1/1/95	19:37:04	4.938	1/2/95	20:07:04	5.214
12/31/94	19:37:04	4.795	1/1/95	20:07:04	4.918	1/2/95	20:37:04	4.918
12/31/94	20:07:04	4.652	1/1/95	20:37:04	4.775	1/2/95	21:07:04	4.662
12/31/94	20:37:04	4.683	1/1/95	21:07:04	4.703	1/2/95	21:37:04	4.724
12/31/94	21:07:04	4.724	1/1/95	21:37:04	4.601	1/2/95	22:07:04	4.632
12/31/94	21:37:04	4.846	1/1/95	22:07:04	4.509	1/2/95	22:37:04	4.560
12/31/94	22:07:04	5.142	1/1/95	22:37:04	4.601	1/2/95	23:07:04	4.703
12/31/94	22:37:04	5.449	1/1/95	23:07:04	4.846	1/2/95	23:37:04	4.959
12/31/94	23:07:04	5.684	1/1/95	23:37:04	5.194	1/3/95	0:07:04	5.224
12/31/94	23:37:04	5.888	1/2/95	0:07:04	5.469	1/3/95	0:37:04	5.439
1/1/95	0:07:04	6.184	1/2/95	0:37:04	5.725	1/3/95	1:07:04	5.694
1/1/95	0:37:04	6.440	1/2/95	1:07:04	5.909	1/3/95	1:37:04	5.939
1/1/95	1:07:04	6.746	1/2/95	1:37:04	6.133	1/3/95	2:07:04	6.246
1/1/95	1:37:04	6.991	1/2/95	2:07:04	6.440	1/3/95	2:37:04	6.522
1/1/95	2:07:04	7.165	1/2/95	2:37:04	6.767	1/3/95	3:07:04	6.695
1/1/95	2:37:04	7.308	1/2/95	3:07:04	7.012	1/3/95	3:37:04	6.869
1/1/95	3:07:04	7.492	1/2/95	3:37:04	7.145	1/3/95	4:07:04	7.053
1/1/95	3:37:04	7.628	1/2/95	4:07:04	7.206	1/3/95	4:37:04	7.206
1/1/95	4:07:04	7.505	1/2/95	4:37:04	7.032	1/3/95	5:07:04	7.298
1/1/95	4:37:04	7.148	1/2/95	5:07:04	6.644	1/3/95	5:37:04	7.291
1/1/95	5:07:04	6.495	1/2/95	5:37:04	6.246	1/3/95	6:07:04	7.128
1/1/95	5:37:04	6.158	1/2/95	6:07:04	5.674	1/3/95	6:37:04	6.913
1/1/95	6:07:04	5.454	1/2/95	6:37:04	5.102	1/3/95	7:07:04	6.607
1/1/95	6:37:04	4.953	1/2/95	7:07:04	4.601	1/3/95	7:37:04	5.933
1/1/95	7:07:04	4.596	1/2/95	7:37:04	4.080	1/3/95	8:07:04	5.362
1/1/95	7:37:04	4.259	1/2/95	8:07:04	3.917	1/3/95	8:37:04	4.698
1/1/95	8:07:04	3.657	1/2/95	8:37:04	3.518	1/3/95	9:07:04	4.392
1/1/95	8:37:04	3.800	1/2/95	9:07:04	3.283	1/3/95	9:37:04	4.075
1/1/95	9:07:04	3.657	1/2/95	9:37:04	3.437	1/3/95	10:07:04	3.851
1/1/95	9:37:04	3.620	1/2/95	10:07:04	3.498	1/3/95	10:37:04	3.841

1/3/95	11:07:04	3.830	1/4/95	11:37:04	4.121	1/5/95	12:07:04	4.872
1/3/95	11:37:04	4.060	1/4/95	12:07:04	4.151	1/5/95	12:37:04	4.872
1/3/95	12:07:04	4.448	1/4/95	12:37:04	4.437	1/5/95	13:07:04	4.984
1/3/95	12:37:04	4.805	1/4/95	13:07:04	4.723	1/5/95	13:37:04	5.183
1/3/95	13:07:04	5.142	1/4/95	13:37:04	5.050	1/5/95	14:07:04	5.377
1/3/95	13:37:04	5.459	1/4/95	14:07:04	5.367	1/5/95	14:37:04	5.510
1/3/95	14:07:04	5.653	1/4/95	14:37:04	5.633	1/5/95	15:07:04	5.734
1/3/95	14:37:04	5.949	1/4/95	15:07:04	5.816	1/5/95	15:37:04	5.888
1/3/95	15:07:04	6.266	1/4/95	15:37:04	6.113	1/5/95	16:07:04	6.031
1/3/95	15:37:04	6.583	1/4/95	16:07:04	6.419	1/5/95	16:37:04	6.153
1/3/95	16:07:04	6.808	1/4/95	16:37:04	6.766	1/5/95	17:07:04	6.276
1/3/95	16:37:04	6.961	1/4/95	17:07:04	6.961	1/5/95	17:37:04	6.490
1/3/95	17:07:04	7.114	1/4/95	17:37:04	7.104	1/5/95	18:07:04	6.623
1/3/95	17:37:04	7.237	1/4/95	18:07:04	7.216	1/5/95	18:37:04	6.736
1/3/95	18:07:04	7.298	1/4/95	18:37:04	7.277	1/5/95	19:07:04	6.868
1/3/95	18:37:04	7.145	1/4/95	19:07:04	7.277	1/5/95	19:37:04	6.930
1/3/95	19:07:04	6.951	1/4/95	19:37:04	7.124	1/5/95	20:07:04	6.889
1/3/95	19:37:04	6.705	1/4/95	20:07:04	6.920	1/5/95	20:37:04	6.746
1/3/95	20:07:04	6.092	1/4/95	20:37:04	6.572	1/5/95	21:07:04	6.480
1/3/95	20:37:04	5.653	1/4/95	21:07:04	6.082	1/5/95	21:37:04	5.969
1/3/95	21:07:04	5.245	1/4/95	21:37:04	5.765	1/5/95	22:07:04	5.622
1/3/95	21:37:04	4.867	1/4/95	22:07:04	5.551	1/5/95	22:37:04	5.387
1/3/95	22:07:04	4.601	1/4/95	22:37:04	5.265	1/5/95	23:07:04	5.040
1/3/95	22:37:04	4.489	1/4/95	23:07:04	5.061	1/5/95	23:37:04	4.876
1/3/95	23:07:04	4.366	1/4/95	23:37:04	4.907	1/6/95	0:07:04	4.743
1/3/95	23:37:04	4.427	1/5/95	0:07:04	4.866	1/6/95	0:37:04	4.631
1/4/95	0:07:04	4.662	1/5/95	0:37:04	4.948	1/6/95	1:07:04	4.539
1/4/95	0:37:04	4.969	1/5/95	1:07:04	5.152	1/6/95	1:37:04	4.651
1/4/95	1:07:04	5.326	1/5/95	1:37:04	5.285	1/6/95	2:07:04	4.927
1/4/95	1:37:04	5.561	1/5/95	2:07:04	5.510	1/6/95	2:37:04	5.183
1/4/95	2:07:04	5.857	1/5/95	2:37:04	5.786	1/6/95	3:07:04	5.408
1/4/95	2:37:04	6.133	1/5/95	3:07:04	5.969	1/6/95	3:37:04	5.745
1/4/95	3:07:04	6.450	1/5/95	3:37:04	6.245	1/6/95	4:07:04	6.041
1/4/95	3:37:04	6.675	1/5/95	4:07:04	6.460	1/6/95	4:37:04	6.307
1/4/95	4:07:04	6.859	1/5/95	4:37:04	6.572	1/6/95	5:07:04	6.501
1/4/95	4:37:04	7.012	1/5/95	5:07:04	6.705	1/6/95	5:37:04	6.654
1/4/95	5:07:04	7.145	1/5/95	5:37:04	6.868	1/6/95	6:07:04	6.787
1/4/95	5:37:04	7.236	1/5/95	6:07:04	6.991	1/6/95	6:37:04	6.930
1/4/95	6:07:04	7.308	1/5/95	6:37:04	7.154	1/6/95	7:07:04	7.052
1/4/95	6:37:04	7.236	1/5/95	7:07:04	7.257	1/6/95	7:37:04	7.175
1/4/95	7:07:04	7.053	1/5/95	7:37:04	7.291	1/6/95	8:07:04	7.246
1/4/95	7:37:04	6.828	1/5/95	8:07:04	7.138	1/6/95	8:37:04	7.195
1/4/95	8:07:04	6.235	1/5/95	8:37:04	6.944	1/6/95	9:07:04	7.062
1/4/95	8:37:04	5.755	1/5/95	9:07:04	6.679	1/6/95	9:37:04	6.879
1/4/95	9:07:04	5.214	1/5/95	9:37:04	6.280	1/6/95	10:07:04	6.705
1/4/95	9:37:04	4.836	1/5/95	10:07:04	5.668	1/6/95	10:37:04	6.419
1/4/95	10:07:04	4.601	1/5/95	10:37:04	5.321	1/6/95	11:07:04	6.020
1/4/95	10:37:04	4.315	1/5/95	11:07:04	5.025	1/6/95	11:37:04	5.867
1/4/95	11:07:04	4.172	1/5/95	11:37:04	4.882	1/6/95	12:07:04	5.653

1/6/95	12:37:04	5.469	1/7/95	13:07:04	5.209	1/8/95	13:37:04	4.744
1/6/95	13:07:04	5.377	1/7/95	13:37:04	4.994	1/8/95	14:07:04	4.744
1/6/95	13:37:04	5.356	1/7/95	14:07:04	5.147	1/8/95	14:37:04	4.631
1/6/95	14:07:04	5.561	1/7/95	14:37:04	5.188	1/8/95	15:07:04	4.570
1/6/95	14:37:04	5.683	1/7/95	15:07:04	5.035	1/8/95	15:37:04	4.662
1/6/95	15:07:04	5.786	1/7/95	15:37:04	5.346	1/8/95	16:07:04	4.662
1/6/95	15:37:04	6.000	1/7/95	16:07:04	5.694	1/8/95	16:37:04	4.836
1/6/95	16:07:04	6.184	1/7/95	16:37:04	5.735	1/8/95	17:07:04	5.030
1/6/95	16:37:04	6.307	1/7/95	17:07:04	5.939	1/8/95	17:37:04	5.142
1/6/95	17:07:04	6.480	1/7/95	17:37:04	6.235	1/8/95	18:07:04	5.265
1/6/95	17:37:04	6.685	1/7/95	18:07:04	6.296	1/8/95	18:37:04	5.418
1/6/95	18:07:04	6.828	1/7/95	18:37:04	6.388	1/8/95	19:07:04	5.581
1/6/95	18:37:04	6.930	1/7/95	19:07:04	6.593	1/8/95	19:37:04	5.776
1/6/95	19:07:04	7.042	1/7/95	19:37:04	6.756	1/8/95	20:07:04	5.980
1/6/95	19:37:04	7.195	1/7/95	20:07:04	6.899	1/8/95	20:37:04	6.133
1/6/95	20:07:04	7.308	1/7/95	20:37:04	6.960	1/8/95	21:07:04	6.256
1/6/95	20:37:04	7.349	1/7/95	21:07:04	6.909	1/8/95	21:37:04	6.317
1/6/95	21:07:04	7.297	1/7/95	21:37:04	6.644	1/8/95	22:07:04	6.296
1/6/95	21:37:04	7.144	1/7/95	22:07:04	6.245	1/8/95	22:37:04	6.072
1/6/95	22:07:04	6.940	1/7/95	22:37:04	5.949	1/8/95	23:07:04	5.867
1/6/95	22:37:04	6.511	1/7/95	23:07:04	5.622	1/8/95	23:37:04	5.592
1/6/95	23:07:04	6.092	1/7/95	23:37:04	5.438	1/9/95	0:07:04	5.316
1/6/95	23:37:04	5.806	1/8/95	0:07:04	5.285	1/9/95	0:37:04	4.907
1/7/95	0:07:04	5.438	1/8/95	0:37:04	4.887	1/9/95	1:07:04	4.672
1/7/95	0:37:04	5.162	1/8/95	1:07:04	4.560	1/9/95	1:37:04	4.376
1/7/95	1:07:04	5.050	1/8/95	1:37:04	4.366	1/9/95	2:07:04	4.253
1/7/95	1:37:04	4.856	1/8/95	2:07:04	4.100	1/9/95	2:37:04	4.172
1/7/95	2:07:04	4.754	1/8/95	2:37:04	4.080	1/9/95	3:07:04	4.070
1/7/95	2:37:04	4.805	1/8/95	3:07:04	4.243	1/9/95	3:37:04	4.008
1/7/95	3:07:04	4.989	1/8/95	3:37:04	4.253	1/9/95	4:07:04	4.049
1/7/95	3:37:04	5.050	1/8/95	4:07:04	4.335	1/9/95	4:37:04	4.110
1/7/95	4:07:04	4.999	1/8/95	4:37:04	4.396	1/9/95	5:07:04	4.223
1/7/95	4:37:04	5.203	1/8/95	5:07:04	4.437	1/9/95	5:37:04	4.387
1/7/95	5:07:04	4.662	1/8/95	5:37:04	4.631	1/9/95	6:07:04	4.520
1/7/95	5:37:04	5.193	1/8/95	6:07:04	4.907	1/9/95	6:37:04	4.693
1/7/95	6:07:04	5.561	1/8/95	6:37:04	5.142	1/9/95	7:07:04	4.918
1/7/95	6:37:04	5.367	1/8/95	7:07:04	5.285	1/9/95	7:37:04	5.102
1/7/95	7:07:04	5.305	1/8/95	7:37:04	5.459	1/9/95	8:07:04	5.245
1/7/95	7:37:04	5.367	1/8/95	8:07:04	5.683	1/9/95	8:37:04	5.418
1/7/95	8:07:04	5.510	1/8/95	8:37:04	5.786	1/9/95	9:07:04	5.602
1/7/95	8:37:04	5.786	1/8/95	9:07:04	5.847	1/9/95	9:37:04	5.776
1/7/95	9:07:04	5.397	1/8/95	9:37:04	5.980	1/9/95	10:07:04	5.929
1/7/95	9:37:04	5.658	1/8/95	10:07:04	5.959	1/9/95	10:37:04	6.021
1/7/95	10:07:04	5.923	1/8/95	10:37:04	5.816	1/9/95	11:07:04	6.011
1/7/95	10:37:04	5.505	1/8/95	11:07:04	5.694	1/9/95	11:37:04	6.066
1/7/95	11:07:04	5.382	1/8/95	11:37:04	5.510	1/9/95	12:07:04	5.923
1/7/95	11:37:04	5.433	1/8/95	12:07:04	5.224	1/9/95	12:37:04	5.780
1/7/95	12:07:04	5.147	1/8/95	12:37:04	5.050	1/9/95	13:07:04	5.576
1/7/95	12:37:04	5.045	1/8/95	13:07:04	4.815	1/9/95	13:37:04	5.392

1/9/95	14:07:04	5.188	1/10/95	14:37:04	5.377	1/11/95	15:07:04	5.321
1/9/95	14:37:04	5.076	1/10/95	15:07:04	5.173	1/11/95	15:37:04	5.178
1/9/95	15:07:04	5.015	1/10/95	15:37:04	5.091	1/11/95	16:07:04	4.984
1/9/95	15:37:04	4.953	1/10/95	16:07:04	5.009	1/11/95	16:37:04	4.821
1/9/95	16:07:04	4.984	1/10/95	16:37:04	4.907	1/11/95	17:07:04	4.770
1/9/95	16:37:04	5.066	1/10/95	17:07:04	4.846	1/11/95	17:37:04	4.657
1/9/95	17:07:04	5.076	1/10/95	17:37:04	4.846	1/11/95	18:07:04	4.565
1/9/95	17:37:04	5.173	1/10/95	18:07:04	4.856	1/11/95	18:37:04	4.647
1/9/95	18:07:04	5.296	1/10/95	18:37:04	4.969	1/11/95	19:07:04	4.718
1/9/95	18:37:04	5.367	1/10/95	19:07:04	5.193	1/11/95	19:37:04	4.867
1/9/95	19:07:04	5.520	1/10/95	19:37:04	5.316	1/11/95	20:07:04	4.979
1/9/95	19:37:04	5.704	1/10/95	20:07:04	5.428	1/11/95	20:37:04	5.102
1/9/95	20:07:04	5.909	1/10/95	20:37:04	5.571	1/11/95	21:07:04	5.204
1/9/95	20:37:04	6.113	1/10/95	21:07:04	5.765	1/11/95	21:37:04	5.378
1/9/95	21:07:04	6.286	1/10/95	21:37:04	5.878	1/11/95	22:07:04	5.500
1/9/95	21:37:04	6.419	1/10/95	22:07:04	6.011	1/11/95	22:37:04	5.582
1/9/95	22:07:04	6.460	1/10/95	22:37:04	6.113	1/11/95	23:07:04	5.694
1/9/95	22:37:04	6.409	1/10/95	23:07:04	6.113	1/11/95	23:37:04	5.766
1/9/95	23:07:04	6.327	1/10/95	23:37:04	6.072	1/12/95	0:07:04	5.766
1/9/95	23:37:04	6.133	1/11/95	0:07:04	6.052	1/12/95	0:37:04	5.735
1/10/95	0:07:04	5.888	1/11/95	0:37:04	5.868	1/12/95	1:07:04	5.643
1/10/95	0:37:04	5.694	1/11/95	1:07:04	5.674	1/12/95	1:37:04	5.561
1/10/95	1:07:04	5.439	1/11/95	1:37:04	5.479	1/12/95	2:07:04	5.326
1/10/95	1:37:04	5.204	1/11/95	2:07:04	5.204	1/12/95	2:37:04	5.183
1/10/95	2:07:04	5.020	1/11/95	2:37:04	4.969	1/12/95	3:07:04	4.979
1/10/95	2:37:04	4.764	1/11/95	3:07:04	4.724	1/12/95	3:37:04	4.734
1/10/95	3:07:04	4.642	1/11/95	3:37:04	4.489	1/12/95	4:07:04	4.560
1/10/95	3:37:04	4.499	1/11/95	4:07:04	4.335	1/12/95	4:37:04	4.285
1/10/95	4:07:04	4.356	1/11/95	4:37:04	4.203	1/12/95	5:07:04	4.213
1/10/95	4:37:04	4.294	1/11/95	5:07:04	4.060	1/12/95	5:37:04	4.080
1/10/95	5:07:04	4.254	1/11/95	5:37:04	4.060	1/12/95	6:07:04	3.999
1/10/95	5:37:04	4.274	1/11/95	6:07:04	4.131	1/12/95	6:37:04	3.927
1/10/95	6:07:04	4.417	1/11/95	6:37:04	4.162	1/12/95	7:07:04	3.958
1/10/95	6:37:04	4.601	1/11/95	7:07:04	4.233	1/12/95	7:37:04	4.111
1/10/95	7:07:04	4.764	1/11/95	7:37:04	4.376	1/12/95	8:07:04	4.233
1/10/95	7:37:04	5.040	1/11/95	8:07:04	4.580	1/12/95	8:37:04	4.458
1/10/95	8:07:04	5.183	1/11/95	8:37:04	4.754	1/12/95	9:07:04	4.693
1/10/95	8:37:04	5.306	1/11/95	9:07:04	4.989	1/12/95	9:37:04	4.938
1/10/95	9:07:04	5.469	1/11/95	9:37:04	5.204	1/12/95	10:07:04	5.173
1/10/95	9:37:04	5.694	1/11/95	10:07:04	5.347	1/12/95	10:37:04	5.398
1/10/95	10:07:04	5.867	1/11/95	10:37:04	5.582	1/12/95	11:07:04	5.674
1/10/95	10:37:04	6.021	1/11/95	11:07:04	5.806	1/12/95	11:37:04	5.888
1/10/95	11:07:04	6.215	1/11/95	11:37:04	6.041	1/12/95	12:07:04	6.092
1/10/95	11:37:04	6.337	1/11/95	12:07:04	6.235	1/12/95	12:37:04	6.266
1/10/95	12:07:04	6.296	1/11/95	12:37:04	6.297	1/12/95	13:07:04	6.399
1/10/95	12:37:04	6.194	1/11/95	13:07:04	6.143	1/12/95	13:37:04	6.470
1/10/95	13:07:04	6.010	1/11/95	13:37:04	5.984	1/12/95	14:07:04	6.358
1/10/95	13:37:04	5.796	1/11/95	14:07:04	5.821	1/12/95	14:37:04	6.246
1/10/95	14:07:04	5.571	1/11/95	14:37:04	5.607	1/12/95	15:07:04	6.052

1/12/95	15:37:04	5.888	1/13/95	16:07:04	6.362	1/14/95	16:37:04	6.328
1/12/95	16:07:04	5.663	1/13/95	16:37:04	6.097	1/14/95	17:07:04	5.991
1/12/95	16:37:04	5.428	1/13/95	17:07:04	5.831	1/14/95	17:37:04	5.684
1/12/95	17:07:04	5.296	1/13/95	17:37:04	5.484	1/14/95	18:07:04	5.367
1/12/95	17:37:04	5.173	1/13/95	18:07:04	5.321	1/14/95	18:37:04	5.132
1/12/95	18:07:04	5.081	1/13/95	18:37:04	5.209	1/14/95	19:07:04	5.020
1/12/95	18:37:04	5.061	1/13/95	19:07:04	5.137	1/14/95	19:37:04	4.887
1/12/95	19:07:04	5.081	1/13/95	19:37:04	5.198	1/14/95	20:07:04	4.836
1/12/95	19:37:04	5.091	1/13/95	20:07:04	5.229	1/14/95	20:37:04	4.846
1/12/95	20:07:04	5.173	1/13/95	20:37:04	5.280	1/14/95	21:07:04	4.887
1/12/95	20:37:04	5.307	1/13/95	21:07:04	5.443	1/14/95	21:37:04	5.000
1/12/95	21:07:04	5.460	1/13/95	21:37:04	5.572	1/14/95	22:07:04	5.184
1/12/95	21:37:04	5.654	1/13/95	22:07:04	5.664	1/14/95	22:37:04	5.368
1/12/95	22:07:04	5.776	1/13/95	22:37:04	5.858	1/14/95	23:07:04	5.562
1/12/95	22:37:04	5.919	1/13/95	23:07:04	6.052	1/14/95	23:37:04	5.745
1/12/95	23:07:04	6.083	1/13/95	23:37:04	6.185	1/15/95	0:07:04	5.919
1/12/95	23:37:04	6.277	1/14/95	0:07:04	6.389	1/15/95	0:37:04	6.103
1/13/95	0:07:04	6.420	1/14/95	0:37:04	6.594	1/15/95	1:07:04	6.328
1/13/95	0:37:04	6.522	1/14/95	1:07:04	6.706	1/15/95	1:37:04	6.420
1/13/95	1:07:04	6.512	1/14/95	1:37:04	6.747	1/15/95	2:07:04	6.420
1/13/95	1:37:04	6.451	1/14/95	2:07:04	6.675	1/15/95	2:37:04	6.430
1/13/95	2:07:04	6.338	1/14/95	2:37:04	6.604	1/15/95	3:07:04	6.358
1/13/95	2:37:04	6.165	1/14/95	3:07:04	6.451	1/15/95	3:37:04	6.226
1/13/95	3:07:04	5.970	1/14/95	3:37:04	6.236	1/15/95	4:07:04	6.052
1/13/95	3:37:04	5.787	1/14/95	4:07:04	6.032	1/15/95	4:37:04	5.827
1/13/95	4:07:04	5.511	1/14/95	4:37:04	5.807	1/15/95	5:07:04	5.562
1/13/95	4:37:04	5.307	1/14/95	5:07:04	5.521	1/15/95	5:37:04	5.316
1/13/95	5:07:04	5.092	1/14/95	5:37:04	5.256	1/15/95	6:07:04	5.000
1/13/95	5:37:04	4.816	1/14/95	6:07:04	5.021	1/15/95	6:37:04	4.847
1/13/95	6:07:04	4.653	1/14/95	6:37:04	4.796	1/15/95	7:07:04	4.704
1/13/95	6:37:04	4.530	1/14/95	7:07:04	4.704	1/15/95	7:37:04	4.458
1/13/95	7:07:04	4.479	1/14/95	7:37:04	4.643	1/15/95	8:07:04	4.387
1/13/95	7:37:04	4.489	1/14/95	8:07:04	4.612	1/15/95	8:37:04	4.377
1/13/95	8:07:04	4.551	1/14/95	8:37:04	4.663	1/15/95	9:07:04	4.326
1/13/95	8:37:04	4.663	1/14/95	9:07:04	4.745	1/15/95	9:37:04	4.458
1/13/95	9:07:04	4.898	1/14/95	9:37:04	4.878	1/15/95	10:07:04	4.734
1/13/95	9:37:04	5.092	1/14/95	10:07:04	5.102	1/15/95	10:37:04	4.990
1/13/95	10:07:04	5.357	1/14/95	10:37:04	5.367	1/15/95	11:07:04	5.296
1/13/95	10:37:04	5.602	1/14/95	11:07:04	5.602	1/15/95	11:37:04	5.704
1/13/95	11:07:04	5.776	1/14/95	11:37:04	5.848	1/15/95	12:07:04	5.898
1/13/95	11:37:04	6.011	1/14/95	12:07:04	6.113	1/15/95	12:37:04	6.052
1/13/95	12:07:04	6.297	1/14/95	12:37:04	6.389	1/15/95	13:07:04	6.297
1/13/95	12:37:04	6.603	1/14/95	13:07:04	6.675	1/15/95	13:37:04	6.603
1/13/95	13:07:04	6.777	1/14/95	13:37:04	6.869	1/15/95	14:07:04	6.797
1/13/95	13:37:04	6.900	1/14/95	14:07:04	6.951	1/15/95	14:37:04	7.063
1/13/95	14:07:04	6.951	1/14/95	14:37:04	7.053	1/15/95	15:07:04	7.185
1/13/95	14:37:04	6.920	1/14/95	15:07:04	7.063	1/15/95	15:37:04	7.175
1/13/95	15:07:04	6.828	1/14/95	15:37:04	6.920	1/15/95	16:07:04	7.002
1/13/95	15:37:04	6.668	1/14/95	16:07:04	6.695	1/15/95	16:37:04	6.736

1/15/95	17:07:04	6.317	1/16/95	17:37:04	6.287	1/17/95	18:07:04	6.113
1/15/95	17:37:04	5.995	1/16/95	18:07:04	6.082	1/17/95	18:37:04	5.725
1/15/95	18:07:04	5.586	1/16/95	18:37:04	5.745	1/17/95	19:07:04	5.388
1/15/95	18:37:04	5.331	1/16/95	19:07:04	5.408	1/17/95	19:37:04	5.004
1/15/95	19:07:04	5.117	1/16/95	19:37:04	5.184	1/17/95	20:07:04	4.800
1/15/95	19:37:04	5.004	1/16/95	20:07:04	4.949	1/17/95	20:37:04	4.657
1/15/95	20:07:04	4.861	1/16/95	20:37:04	4.836	1/17/95	21:07:04	4.412
1/15/95	20:37:04	4.800	1/16/95	21:07:04	4.734	1/17/95	21:37:04	4.341
1/15/95	21:07:04	4.790	1/16/95	21:37:04	4.775	1/17/95	22:07:04	4.290
1/15/95	21:37:04	4.770	1/16/95	22:07:04	4.826	1/17/95	22:37:04	4.249
1/15/95	22:07:04	4.831	1/16/95	22:37:04	4.857	1/17/95	23:07:04	4.269
1/15/95	22:37:04	5.147	1/16/95	23:07:04	4.938	1/17/95	23:37:04	4.382
1/15/95	23:07:04	5.382	1/16/95	23:37:04	5.071	1/18/95	0:07:04	4.586
1/15/95	23:37:04	5.664	1/17/95	0:07:04	5.296	1/18/95	0:37:04	4.831
1/16/95	0:07:04	6.062	1/17/95	0:37:04	5.562	1/18/95	1:07:04	4.994
1/16/95	0:37:04	6.185	1/17/95	1:07:04	5.797	1/18/95	1:37:04	5.214
1/16/95	1:07:04	6.195	1/17/95	1:37:04	5.960	1/18/95	2:07:04	5.378
1/16/95	1:37:04	6.256	1/17/95	2:07:04	6.124	1/18/95	2:37:04	5.572
1/16/95	2:07:04	6.440	1/17/95	2:37:04	6.307	1/18/95	3:07:04	5.807
1/16/95	2:37:04	6.603	1/17/95	3:07:04	6.450	1/18/95	3:37:04	5.991
1/16/95	3:07:04	6.746	1/17/95	3:37:04	6.410	1/18/95	4:07:04	6.123
1/16/95	3:37:04	6.583	1/17/95	4:07:04	6.348	1/18/95	4:37:04	6.072
1/16/95	4:07:04	6.460	1/17/95	4:37:04	6.277	1/18/95	5:07:04	5.960
1/16/95	4:37:04	6.236	1/17/95	5:07:04	6.021	1/18/95	5:37:04	5.715
1/16/95	5:07:04	6.103	1/17/95	5:37:04	5.766	1/18/95	6:07:04	5.459
1/16/95	5:37:04	5.786	1/17/95	6:07:04	5.439	1/18/95	6:37:04	5.102
1/16/95	6:07:04	5.654	1/17/95	6:37:04	5.092	1/18/95	7:07:04	4.744
1/16/95	6:37:04	5.378	1/17/95	7:07:04	4.826	1/18/95	7:37:04	4.438
1/16/95	7:07:04	5.112	1/17/95	7:37:04	4.561	1/18/95	8:07:04	4.132
1/16/95	7:37:04	4.939	1/17/95	8:07:04	4.295	1/18/95	8:37:04	3.815
1/16/95	8:07:04	4.714	1/17/95	8:37:04	4.122	1/18/95	9:07:04	3.600
1/16/95	8:37:04	4.448	1/17/95	9:07:04	3.927	1/18/95	9:37:04	3.427
1/16/95	9:07:04	4.448	1/17/95	9:37:04	3.825	1/18/95	10:07:04	3.284
1/16/95	9:37:04	4.448	1/17/95	10:07:04	3.825	1/18/95	10:37:04	3.284
1/16/95	10:07:04	4.366	1/17/95	10:37:04	3.887	1/18/95	11:07:04	3.417
1/16/95	10:37:04	4.816	1/17/95	11:07:04	4.193	1/18/95	11:37:04	3.580
1/16/95	11:07:04	5.092	1/17/95	11:37:04	4.571	1/18/95	12:07:04	3.846
1/16/95	11:37:04	5.276	1/17/95	12:07:04	4.826	1/18/95	12:37:04	4.111
1/16/95	12:07:04	5.633	1/17/95	12:37:04	5.112	1/18/95	13:07:04	4.693
1/16/95	12:37:04	5.909	1/17/95	13:07:04	5.408	1/18/95	13:37:04	5.010
1/16/95	13:07:04	6.052	1/17/95	13:37:04	5.623	1/18/95	14:07:04	5.265
1/16/95	13:37:04	6.225	1/17/95	14:07:04	5.817	1/18/95	14:37:04	5.490
1/16/95	14:07:04	6.501	1/17/95	14:37:04	6.113	1/18/95	15:07:04	5.735
1/16/95	14:37:04	6.757	1/17/95	15:07:04	6.409	1/18/95	15:37:04	6.052
1/16/95	15:07:04	6.951	1/17/95	15:37:04	6.695	1/18/95	16:07:04	6.409
1/16/95	15:37:04	6.910	1/17/95	16:07:04	6.849	1/18/95	16:37:04	6.603
1/16/95	16:07:04	6.849	1/17/95	16:37:04	6.798	1/18/95	17:07:04	6.695
1/16/95	16:37:04	6.665	1/17/95	17:07:04	6.685	1/18/95	17:37:04	6.471
1/16/95	17:07:04	6.430	1/17/95	17:37:04	6.522	1/18/95	18:07:04	6.195

1/18/95	18:37:04	5.919	1/19/95	19:07:04	6.195	1/20/95	19:37:04	5.470
1/18/95	19:07:04	5.531	1/19/95	19:37:04	5.899	1/20/95	20:07:04	5.296
1/18/95	19:37:04	5.112	1/19/95	20:07:04	5.694	1/20/95	20:37:04	5.133
1/18/95	20:07:04	4.877	1/19/95	20:37:04	5.337	1/20/95	21:07:04	4.959
1/18/95	20:37:04	4.540	1/19/95	21:07:04	5.041	1/20/95	21:37:04	4.551
1/18/95	21:07:04	4.346	1/19/95	21:37:04	4.943	1/20/95	22:07:04	4.173
1/18/95	21:37:04	4.203	1/19/95	22:07:04	4.616	1/20/95	22:37:04	3.795
1/18/95	22:07:04	3.948	1/19/95	22:37:04	4.412	1/20/95	23:07:04	3.499
1/18/95	22:37:04	3.856	1/19/95	23:07:04	4.310	1/20/95	23:37:04	3.264
1/18/95	23:07:04	3.866	1/19/95	23:37:04	4.147	1/21/95	0:07:04	3.274
1/18/95	23:37:04	3.805	1/20/95	0:07:04	4.239	1/21/95	0:37:04	3.305
1/19/95	0:07:04	4.101	1/20/95	0:37:04	4.422	1/21/95	1:07:04	3.509
1/19/95	0:37:04	4.387	1/20/95	1:07:04	4.555	1/21/95	1:37:04	3.672
1/19/95	1:07:04	4.499	1/20/95	1:37:04	4.688	1/21/95	2:07:04	3.815
1/19/95	1:37:04	4.846	1/20/95	2:07:04	4.994	1/21/95	2:37:04	4.020
1/19/95	2:07:04	5.030	1/20/95	2:37:04	5.239	1/21/95	3:07:04	4.203
1/19/95	2:37:04	5.276	1/20/95	3:07:04	5.474	1/21/95	3:37:04	4.500
1/19/95	3:07:04	5.572	1/20/95	3:37:04	5.715	1/21/95	4:07:04	4.735
1/19/95	3:37:04	5.725	1/20/95	4:07:04	5.879	1/21/95	4:37:04	5.031
1/19/95	4:07:04	5.878	1/20/95	4:37:04	6.073	1/21/95	5:07:04	5.317
1/19/95	4:37:04	6.083	1/20/95	5:07:04	6.052	1/21/95	5:37:04	5.593
1/19/95	5:07:04	6.144	1/20/95	5:37:04	6.144	1/21/95	6:07:04	5.715
1/19/95	5:37:04	6.042	1/20/95	6:07:04	6.165	1/21/95	6:37:04	5.797
1/19/95	6:07:04	5.950	1/20/95	6:37:04	6.073	1/21/95	7:07:04	5.797
1/19/95	6:37:04	5.766	1/20/95	7:07:04	5.848	1/21/95	7:37:04	5.623
1/19/95	7:07:04	5.357	1/20/95	7:37:04	5.388	1/21/95	8:07:04	5.215
1/19/95	7:37:04	5.061	1/20/95	8:07:04	5.010	1/21/95	8:37:04	4.959
1/19/95	8:07:04	4.775	1/20/95	8:37:04	4.765	1/21/95	9:07:04	4.694
1/19/95	8:37:04	4.428	1/20/95	9:07:04	4.418	1/21/95	9:37:04	4.418
1/19/95	9:07:04	4.213	1/20/95	9:37:04	4.142	1/21/95	10:07:04	4.244
1/19/95	9:37:04	3.927	1/20/95	10:07:04	3.958	1/21/95	10:37:04	4.030
1/19/95	10:07:04	3.713	1/20/95	10:37:04	3.805	1/21/95	11:07:04	3.846
1/19/95	10:37:04	3.580	1/20/95	11:07:04	3.703	1/21/95	11:37:04	3.683
1/19/95	11:07:04	3.478	1/20/95	11:37:04	3.611	1/21/95	12:07:04	3.580
1/19/95	11:37:04	3.560	1/20/95	12:07:04	3.478	1/21/95	12:37:04	3.488
1/19/95	12:07:04	3.825	1/20/95	12:37:04	3.529	1/21/95	13:07:04	3.601
1/19/95	12:37:04	4.152	1/20/95	13:07:04	3.141	1/21/95	13:37:04	3.785
1/19/95	13:07:04	4.397	1/20/95	13:37:04	2.059	1/21/95	14:07:04	3.969
1/19/95	13:37:04	4.755	1/20/95	14:07:04	2.038	1/21/95	14:37:04	4.224
1/19/95	14:07:04	5.041	1/20/95	14:37:04	2.559	1/21/95	15:07:04	4.469
1/19/95	14:37:04	5.347	1/20/95	15:07:04	4.183	1/21/95	15:37:04	4.694
1/19/95	15:07:04	5.684	1/20/95	15:37:04	4.336	1/21/95	16:07:04	4.898
1/19/95	15:37:04	5.888	1/20/95	16:07:04	4.888	1/21/95	16:37:04	5.123
1/19/95	16:07:04	6.154	1/20/95	16:37:04	5.092	1/21/95	17:07:04	5.296
1/19/95	16:37:04	6.440	1/20/95	17:07:04	5.296	1/21/95	17:37:04	5.511
1/19/95	17:07:04	6.644	1/20/95	17:37:04	5.337	1/21/95	18:07:04	5.623
1/19/95	17:37:04	6.695	1/20/95	18:07:04	5.398	1/21/95	18:37:04	5.746
1/19/95	18:07:04	6.563	1/20/95	18:37:04	5.501	1/21/95	19:07:04	5.868
1/19/95	18:37:04	6.430	1/20/95	19:07:04	5.409	1/21/95	19:37:04	5.817

1/21/95	20:07:04	5.684	1/22/95	20:37:04	6.267	1/23/95	21:07:04	6.717
1/21/95	20:37:04	5.429	1/22/95	21:07:04	6.033	1/23/95	21:37:04	6.441
1/21/95	21:07:04	5.051	1/22/95	21:37:04	5.828	1/23/95	22:07:04	6.216
1/21/95	21:37:04	4.734	1/22/95	22:07:04	5.634	1/23/95	22:37:04	5.941
1/21/95	22:07:04	4.407	1/22/95	22:37:04	5.277	1/23/95	23:07:04	5.563
1/21/95	22:37:04	4.142	1/22/95	23:07:04	4.776	1/23/95	23:37:04	5.083
1/21/95	23:07:04	3.927	1/22/95	23:37:04	4.388	1/24/95	0:07:04	4.787
1/21/95	23:37:04	3.698	1/23/95	0:07:04	4.000	1/24/95	0:37:04	4.429
1/22/95	0:07:04	3.493	1/23/95	0:37:04	3.806	1/24/95	1:07:04	4.123
1/22/95	0:37:04	3.289	1/23/95	1:07:04	3.745	1/24/95	1:37:04	3.922
1/22/95	1:07:04	3.146	1/23/95	1:37:04	3.796	1/24/95	2:07:04	3.769
1/22/95	1:37:04	3.167	1/23/95	2:07:04	3.990	1/24/95	2:37:04	3.677
1/22/95	2:07:04	3.371	1/23/95	2:37:04	4.082	1/24/95	3:07:04	3.606
1/22/95	2:37:04	3.657	1/23/95	3:07:04	4.347	1/24/95	3:37:04	3.708
1/22/95	3:07:04	3.973	1/23/95	3:37:04	4.664	1/24/95	4:07:04	3.881
1/22/95	3:37:04	4.249	1/23/95	4:07:04	4.797	1/24/95	4:37:04	4.014
1/22/95	4:07:04	4.484	1/23/95	4:37:04	5.032	1/24/95	5:07:04	4.188
1/22/95	4:37:04	4.667	1/23/95	5:07:04	5.328	1/24/95	5:37:04	4.453
1/22/95	5:07:04	4.882	1/23/95	5:37:04	5.583	1/24/95	6:07:04	4.749
1/22/95	5:37:04	5.153	1/23/95	6:07:04	5.767	1/24/95	6:37:04	5.004
1/22/95	6:07:04	5.419	1/23/95	6:37:04	6.043	1/24/95	7:07:04	5.260
1/22/95	6:37:04	5.623	1/23/95	7:07:04	6.360	1/24/95	7:37:04	5.501
1/22/95	7:07:04	5.797	1/23/95	7:37:04	6.574	1/24/95	8:07:04	5.675
1/22/95	7:37:04	5.909	1/23/95	8:07:04	6.686	1/24/95	8:37:04	5.910
1/22/95	8:07:04	5.919	1/23/95	8:37:04	6.707	1/24/95	9:07:04	6.104
1/22/95	8:37:04	5.715	1/23/95	9:07:04	6.645	1/24/95	9:37:04	6.257
1/22/95	9:07:04	5.480	1/23/95	9:37:04	6.390	1/24/95	10:07:04	6.186
1/22/95	9:37:04	5.204	1/23/95	10:07:04	6.165	1/24/95	10:37:04	6.135
1/22/95	10:07:04	4.867	1/23/95	10:37:04	6.023	1/24/95	11:07:04	5.951
1/22/95	10:37:04	4.571	1/23/95	11:07:04	5.767	1/24/95	11:37:04	5.757
1/22/95	11:07:04	4.407	1/23/95	11:37:04	5.583	1/24/95	12:07:04	5.399
1/22/95	11:37:04	4.254	1/23/95	12:07:04	5.338	1/24/95	12:37:04	5.154
1/22/95	12:07:04	4.050	1/23/95	12:37:04	5.124	1/24/95	13:07:04	4.899
1/22/95	12:37:04	3.958	1/23/95	13:07:04	4.991	1/24/95	13:37:04	4.705
1/22/95	13:07:04	3.917	1/23/95	13:37:04	4.787	1/24/95	14:07:04	4.572
1/22/95	13:37:04	3.927	1/23/95	14:07:04	4.726	1/24/95	14:37:04	4.501
1/22/95	14:07:04	4.081	1/23/95	14:37:04	4.705	1/24/95	15:07:04	4.470
1/22/95	14:37:04	4.295	1/23/95	15:07:04	4.766	1/24/95	15:37:04	4.521
1/22/95	15:07:04	4.561	1/23/95	15:37:04	4.950	1/24/95	16:07:04	4.572
1/22/95	15:37:04	4.847	1/23/95	16:07:04	5.165	1/24/95	16:37:04	4.613
1/22/95	16:07:04	5.071	1/23/95	16:37:04	5.348	1/24/95	17:07:04	4.756
1/22/95	16:37:04	5.235	1/23/95	17:07:04	5.481	1/24/95	17:37:04	4.909
1/22/95	17:07:04	5.357	1/23/95	17:37:04	5.573	1/24/95	18:07:04	5.042
1/22/95	17:37:04	5.511	1/23/95	18:07:04	5.706	1/24/95	18:37:04	5.215
1/22/95	18:07:04	5.644	1/23/95	18:37:04	5.890	1/24/95	19:07:04	5.399
1/22/95	18:37:04	5.859	1/23/95	19:07:04	6.104	1/24/95	19:37:04	5.604
1/22/95	19:07:04	6.073	1/23/95	19:37:04	6.329	1/24/95	20:07:04	5.849
1/22/95	19:37:04	6.237	1/23/95	20:07:04	6.564	1/24/95	20:37:04	6.135
1/22/95	20:07:04	6.298	1/23/95	20:37:04	6.707	1/24/95	21:07:04	6.370

1/24/95	21:37:04	6.472	1/25/95	22:07:04	6.380	1/26/95	22:37:04	6.328
1/24/95	22:07:04	6.421	1/25/95	22:37:04	6.451	1/26/95	23:07:04	6.440
1/24/95	22:37:04	6.227	1/25/95	23:07:04	6.431	1/26/95	23:37:04	6.502
1/24/95	23:07:04	5.941	1/25/95	23:37:04	6.257	1/27/95	0:07:04	6.553
1/24/95	23:37:04	5.665	1/26/95	0:07:04	6.022	1/27/95	0:37:04	6.481
1/25/95	0:07:04	5.328	1/26/95	0:37:04	5.808	1/27/95	1:07:04	6.277
1/25/95	0:37:04	4.858	1/26/95	1:07:04	5.501	1/27/95	1:37:04	5.950
1/25/95	1:07:04	4.582	1/26/95	1:37:04	5.134	1/27/95	2:07:04	5.634
1/25/95	1:37:04	4.368	1/26/95	2:07:04	4.735	1/27/95	2:37:04	5.296
1/25/95	2:07:04	4.112	1/26/95	2:37:04	4.419	1/27/95	3:07:04	4.847
1/25/95	2:37:04	3.959	1/26/95	3:07:04	4.194	1/27/95	3:37:04	4.602
1/25/95	3:07:04	3.806	1/26/95	3:37:04	3.994	1/27/95	4:07:04	4.377
1/25/95	3:37:04	3.643	1/26/95	4:07:04	3.820	1/27/95	4:37:04	4.153
1/25/95	4:07:04	3.622	1/26/95	4:37:04	3.698	1/27/95	5:07:04	4.020
1/25/95	4:37:04	3.592	1/26/95	5:07:04	3.667	1/27/95	5:37:04	3.897
1/25/95	5:07:04	3.755	1/26/95	5:37:04	3.667	1/27/95	6:07:04	3.897
1/25/95	5:37:04	3.949	1/26/95	6:07:04	3.800	1/27/95	6:37:04	3.938
1/25/95	6:07:04	4.163	1/26/95	6:37:04	4.024	1/27/95	7:07:04	4.071
1/25/95	6:37:04	4.368	1/26/95	7:07:04	4.280	1/27/95	7:37:04	4.296
1/25/95	7:07:04	4.633	1/26/95	7:37:04	4.494	1/27/95	8:07:04	4.592
1/25/95	7:37:04	4.858	1/26/95	8:07:04	4.718	1/27/95	8:37:04	4.816
1/25/95	8:07:04	5.072	1/26/95	8:37:04	4.943	1/27/95	9:07:04	5.051
1/25/95	8:37:04	5.307	1/26/95	9:07:04	5.168	1/27/95	9:37:04	5.327
1/25/95	9:07:04	5.552	1/26/95	9:37:04	5.389	1/27/95	10:07:04	5.634
1/25/95	9:37:04	5.828	1/26/95	10:07:04	5.726	1/27/95	10:37:04	6.022
1/25/95	10:07:04	6.124	1/26/95	10:37:04	6.124	1/27/95	11:07:04	6.757
1/25/95	10:37:04	6.278	1/26/95	11:07:04	6.410	1/27/95	11:37:04	6.982
1/25/95	11:07:04	6.339	1/26/95	11:37:04	6.563	1/27/95	12:07:04	7.135
1/25/95	11:37:04	6.257	1/26/95	12:07:04	6.686	1/27/95	12:37:04	7.288
1/25/95	12:07:04	6.053	1/26/95	12:37:04	6.655	1/27/95	13:07:04	7.380
1/25/95	12:37:04	5.777	1/26/95	13:07:04	6.492	1/27/95	13:37:04	7.391
1/25/95	13:07:04	5.461	1/26/95	13:37:04	6.124	1/27/95	14:07:04	7.268
1/25/95	13:37:04	5.113	1/26/95	14:07:04	5.858	1/27/95	14:37:04	7.064
1/25/95	14:07:04	4.838	1/26/95	14:37:04	5.562	1/27/95	15:07:04	6.768
1/25/95	14:37:04	4.654	1/26/95	15:07:04	5.286	1/27/95	15:37:04	6.165
1/25/95	15:07:04	4.501	1/26/95	15:37:04	5.072	1/27/95	16:07:04	5.787
1/25/95	15:37:04	4.429	1/26/95	16:07:04	4.929	1/27/95	16:37:04	5.481
1/25/95	16:07:04	4.398	1/26/95	16:37:04	4.847	1/27/95	17:07:04	5.327
1/25/95	16:37:04	4.388	1/26/95	17:07:04	4.674	1/27/95	17:37:04	5.164
1/25/95	17:07:04	4.429	1/26/95	17:37:04	4.531	1/27/95	18:07:04	5.062
1/25/95	17:37:04	4.501	1/26/95	18:07:04	4.500	1/27/95	18:37:04	5.062
1/25/95	18:07:04	4.592	1/26/95	18:37:04	4.520	1/27/95	19:07:04	5.072
1/25/95	18:37:04	4.725	1/26/95	19:07:04	4.643	1/27/95	19:37:04	5.195
1/25/95	19:07:04	4.929	1/26/95	19:37:04	4.888	1/27/95	20:07:04	5.460
1/25/95	19:37:04	5.164	1/26/95	20:07:04	5.113	1/27/95	20:37:04	5.685
1/25/95	20:07:04	5.369	1/26/95	20:37:04	5.338	1/27/95	21:07:04	5.930
1/25/95	20:37:04	5.604	1/26/95	21:07:04	5.583	1/27/95	21:37:04	6.216
1/25/95	21:07:04	5.910	1/26/95	21:37:04	5.807	1/27/95	22:07:04	6.451
1/25/95	21:37:04	6.247	1/26/95	22:07:04	6.083	1/27/95	22:37:04	6.747

1/27/95	23:07:04	6.880	1/28/95	23:37:04	6.339	1/30/95	0:07:04	5.859
1/27/95	23:37:04	6.992	1/29/95	0:07:04	6.594	1/30/95	0:37:04	6.155
1/28/95	0:07:04	7.145	1/29/95	0:37:04	6.829	1/30/95	1:07:04	6.522
1/28/95	0:37:04	7.268	1/29/95	1:07:04	6.992	1/30/95	1:37:04	6.798
1/28/95	1:07:04	7.339	1/29/95	1:37:04	7.115	1/30/95	2:07:04	6.961
1/28/95	1:37:04	7.370	1/29/95	2:07:04	7.237	1/30/95	2:37:04	7.094
1/28/95	2:07:04	7.309	1/29/95	2:37:04	7.288	1/30/95	3:07:04	7.186
1/28/95	2:37:04	7.145	1/29/95	3:07:04	7.156	1/30/95	3:37:04	7.166
1/28/95	3:07:04	6.931	1/29/95	3:37:04	6.921	1/30/95	4:07:04	7.002
1/28/95	3:37:04	6.441	1/29/95	4:07:04	6.359	1/30/95	4:37:04	6.665
1/28/95	4:07:04	5.909	1/29/95	4:37:04	5.818	1/30/95	5:07:04	6.042
1/28/95	4:37:04	5.480	1/29/95	5:07:04	5.235	1/30/95	5:37:04	5.562
1/28/95	5:07:04	5.072	1/29/95	5:37:04	4.888	1/30/95	6:07:04	5.000
1/28/95	5:37:04	4.861	1/29/95	6:07:04	4.571	1/30/95	6:37:04	4.633
1/28/95	6:07:04	4.688	1/29/95	6:37:04	4.326	1/30/95	7:07:04	4.336
1/28/95	6:37:04	4.596	1/29/95	7:07:04	4.091	1/30/95	7:37:04	4.086
1/28/95	7:07:04	4.586	1/29/95	7:37:04	3.938	1/30/95	8:07:04	3.841
1/28/95	7:37:04	4.596	1/29/95	8:07:04	3.826	1/30/95	8:37:04	3.657
1/28/95	8:07:04	4.647	1/29/95	8:37:04	3.775	1/30/95	9:07:04	3.616
1/28/95	8:37:04	4.861	1/29/95	9:07:04	3.908	1/30/95	9:37:04	3.687
1/28/95	9:07:04	5.096	1/29/95	9:37:04	4.183	1/30/95	10:07:04	3.943
1/28/95	9:37:04	5.321	1/29/95	10:07:04	4.449	1/30/95	10:37:04	4.290
1/28/95	10:07:04	5.607	1/29/95	10:37:04	4.827	1/30/95	11:07:04	4.678
1/28/95	10:37:04	5.882	1/29/95	11:07:04	5.205	1/30/95	11:37:04	5.025
1/28/95	11:07:04	6.178	1/29/95	11:37:04	5.532	1/30/95	12:07:04	5.372
1/28/95	11:37:04	6.512	1/29/95	12:07:04	5.777	1/30/95	12:37:04	5.627
1/28/95	12:07:04	6.829	1/29/95	12:37:04	6.104	1/30/95	13:07:04	5.862
1/28/95	12:37:04	7.023	1/29/95	13:07:04	6.522	1/30/95	13:37:04	6.206
1/28/95	13:07:04	7.176	1/29/95	13:37:04	6.808	1/30/95	14:07:04	6.573
1/28/95	13:37:04	7.339	1/29/95	14:07:04	7.002	1/30/95	14:37:04	6.859
1/28/95	14:07:04	7.472	1/29/95	14:37:04	7.135	1/30/95	15:07:04	7.023
1/28/95	14:37:04	7.472	1/29/95	15:07:04	7.227	1/30/95	15:37:04	7.135
1/28/95	15:07:04	7.339	1/29/95	15:37:04	7.196	1/30/95	16:07:04	7.217
1/28/95	15:37:04	7.115	1/29/95	16:07:04	7.002	1/30/95	16:37:04	7.156
1/28/95	16:07:04	6.829	1/29/95	16:37:04	6.635	1/30/95	17:07:04	6.900
1/28/95	16:37:04	6.114	1/29/95	17:07:04	5.950	1/30/95	17:37:04	6.257
1/28/95	17:07:04	5.644	1/29/95	17:37:04	5.389	1/30/95	18:07:04	5.695
1/28/95	17:37:04	5.215	1/29/95	18:07:04	4.970	1/30/95	18:37:04	5.052
1/28/95	18:07:04	4.939	1/29/95	18:37:04	4.704	1/30/95	19:07:04	4.694
1/28/95	18:37:04	4.766	1/29/95	19:07:04	4.500	1/30/95	19:37:04	4.500
1/28/95	19:07:04	4.664	1/29/95	19:37:04	4.439	1/30/95	20:07:04	4.347
1/28/95	19:37:04	4.664	1/29/95	20:07:04	4.367	1/30/95	20:37:04	4.224
1/28/95	20:07:04	4.776	1/29/95	20:37:04	4.316	1/30/95	21:07:04	4.143
1/28/95	20:37:04	4.898	1/29/95	21:07:04	4.449	1/30/95	21:37:04	4.163
1/28/95	21:07:04	5.021	1/29/95	21:37:04	4.612	1/30/95	22:07:04	4.275
1/28/95	21:37:04	5.307	1/29/95	22:07:04	4.837	1/30/95	22:37:04	4.490
1/28/95	22:07:04	5.542	1/29/95	22:37:04	5.123	1/30/95	23:07:04	4.847
1/28/95	22:37:04	5.726	1/29/95	23:07:04	5.358	1/30/95	23:37:04	5.092
1/28/95	23:07:04	6.032	1/29/95	23:37:04	5.613	1/31/95	0:07:04	5.327

1/31/95	0:37:04	5.603	2/1/95	1:07:04	5.328	2/2/95	1:37:04	5.063
1/31/95	1:07:04	5.859	2/1/95	1:37:04	5.614	2/2/95	2:07:04	5.277
1/31/95	1:37:04	6.185	2/1/95	2:07:04	5.900	2/2/95	2:37:04	5.553
1/31/95	2:07:04	6.533	2/1/95	2:37:04	6.319	2/2/95	3:07:04	5.818
1/31/95	2:37:04	6.809	2/1/95	3:07:04	6.737	2/2/95	3:37:04	6.104
1/31/95	3:07:04	6.993	2/1/95	3:37:04	6.931	2/2/95	4:07:04	6.431
1/31/95	3:37:04	7.095	2/1/95	4:07:04	7.094	2/2/95	4:37:04	6.727
1/31/95	4:07:04	7.176	2/1/95	4:37:04	7.237	2/2/95	5:07:04	6.829
1/31/95	4:37:04	7.105	2/1/95	5:07:04	7.309	2/2/95	5:37:04	6.890
1/31/95	5:07:04	6.870	2/1/95	5:37:04	7.207	2/2/95	6:07:04	6.819
1/31/95	5:37:04	6.278	2/1/95	6:07:04	7.023	2/2/95	6:37:04	6.502
1/31/95	6:07:04	5.808	2/1/95	6:37:04	6.676	2/2/95	7:07:04	6.094
1/31/95	6:37:04	5.205	2/1/95	7:07:04	6.052	2/2/95	7:37:04	5.726
1/31/95	7:07:04	4.807	2/1/95	7:37:04	5.583	2/2/95	8:07:04	5.154
1/31/95	7:37:04	4.449	2/1/95	8:07:04	5.052	2/2/95	8:37:04	4.725
1/31/95	8:07:04	4.163	2/1/95	8:37:04	4.735	2/2/95	9:07:04	4.388
1/31/95	8:37:04	3.888	2/1/95	9:07:04	4.439	2/2/95	9:37:04	4.133
1/31/95	9:07:04	3.653	2/1/95	9:37:04	4.269	2/2/95	10:07:04	3.949
1/31/95	9:37:04	3.520	2/1/95	10:07:04	4.116	2/2/95	10:37:04	3.796
1/31/95	10:07:04	3.489	2/1/95	10:37:04	4.126	2/2/95	11:07:04	3.785
1/31/95	10:37:04	3.612	2/1/95	11:07:04	4.218	2/2/95	11:37:04	3.867
1/31/95	11:07:04	3.939	2/1/95	11:37:04	4.422	2/2/95	12:07:04	4.061
1/31/95	11:37:04	4.347	2/1/95	12:07:04	4.821	2/2/95	12:37:04	4.408
1/31/95	12:07:04	4.695	2/1/95	12:37:04	5.219	2/2/95	13:07:04	4.654
1/31/95	12:37:04	5.032	2/1/95	13:07:04	5.484	2/2/95	13:37:04	4.909
1/31/95	13:07:04	5.358	2/1/95	13:37:04	5.678	2/2/95	14:07:04	5.174
1/31/95	13:37:04	5.573	2/1/95	14:07:04	5.933	2/2/95	14:37:04	5.420
1/31/95	14:07:04	5.808	2/1/95	14:37:04	6.158	2/2/95	15:07:04	5.624
1/31/95	14:37:04	6.186	2/1/95	15:07:04	6.393			
1/31/95	15:07:04	6.625	2/1/95	15:37:04	6.727			
1/31/95	15:37:04	6.881	2/1/95	16:07:04	6.942			
1/31/95	16:07:04	7.034	2/1/95	16:37:04	7.105			
1/31/95	16:37:04	7.146	2/1/95	17:07:04	7.238			
1/31/95	17:07:04	7.136	2/1/95	17:37:04	7.279			
1/31/95	17:37:04	6.932	2/1/95	18:07:04	7.166			
1/31/95	18:07:04	6.380	2/1/95	18:37:04	6.911			
1/31/95	18:37:04	5.808	2/1/95	19:07:04	6.247			
1/31/95	19:07:04	5.134	2/1/95	19:37:04	5.706			
1/31/95	19:37:04	4.767	2/1/95	20:07:04	5.073			
1/31/95	20:07:04	4.470	2/1/95	20:37:04	4.736			
1/31/95	20:37:04	4.307	2/1/95	21:07:04	4.542			
1/31/95	21:07:04	4.195	2/1/95	21:37:04	4.399			
1/31/95	21:37:04	4.062	2/1/95	22:07:04	4.215			
1/31/95	22:07:04	4.052	2/1/95	22:37:04	4.082			
1/31/95	22:37:04	4.082	2/1/95	23:07:04	4.001			
1/31/95	23:07:04	4.185	2/1/95	23:37:04	3.980			
1/31/95	23:37:04	4.450	2/2/95	0:07:04	4.174			
2/1/95	0:07:04	4.695	2/2/95	0:37:04	4.440			
2/1/95	0:37:04	4.971	2/2/95	1:07:04	4.746			

APPENDIX G

ANALYTICAL RESULTS

CTO 1. NSB NEW LONDON, GROTON, CONNECTICUT
LABORATORY: SOUTHWEST LABORATORY OF OKLAHOMA

CLIENT ID:		QW-2		QW-3	
LABORATORY ID:		20754.09		20754.10	
Sample Depth (ft)		5.0-6.0		5.0-6.0	
BTEX SOILS (UG/KG)					
ANALYTE	MDL				
BENZENE	1	1.15	U	1.4	
TOLUENE	1	1.15	U	3.2	
ETHYLBENZENE	1	18	J	0.7	J
XYLENE (TOTAL)	1	20.3	J	5.4	
% SOLIDS:		87.0		84.0	
DILUTION FACTOR:		1.0		1.0	

CTO 129, NSB NEW LONDON, GROTON, CONNECTICUT
LABORATORY: SOUTHWEST LABORATORY OF OKLAHOMA

CLIENT ID:		QW-4		QW-5	
LABORATORY ID:		20788.01		20844.01	
Sample Depth (ft)		7.0-7.25		6.0-7.0	
BTEX SOILS (UG/KG)					
ANALYTE	RDL				
BENZENE	1.0	1.23	UJ	1.17	U
TOLUENE	1.0	1.23	UJ	1.17	U
ETHYLBENZENE	1.0	1.23	UJ	1.17	U
XYLENE (TOTAL)	1.0	0.616	J	1.17	U
% SOLIDS:		81.0		85.0	
DILUTION FACTOR:		1.0		1.0	

CTO 129, NSB NEW LONDON, GROTON, CONNECTICUT
LABORATORY: SOUTHWEST LABORATORY OF OKLAHOMA

CLIENT ID:			QW-1
LABORATORY ID:			20748.19
Sample Depth (ft)			5.0 - 6.0
TCL VOLATILE SOILS (UG/KG)			
ANALYTE	CRQL	MDL	
CHLOROMETHANE	10	1.9	13 U
BROMOMETHANE	10	2.8	13 U
VINYL CHLORIDE	10	1.9	13 U
CHLOROETHANE	10	2.9	13 U
METHYLENE CHLORIDE	10	2.1	13 U
ACETONE	10	3.7	13 U
CARBON DISULFIDE	10	1.4	13 U
1,1-DICHLOROETHENE	10	1.1	13 U
1,1-DICHLOROETHANE	10	1.6	13 U
1,2-DICHLOROETHENE (TOTAL)	10	1.2	13 U
CHLOROFORM	10	1.3	13 U
1,2-DICHLOROETHANE	10	2.8	13 U
2-BUTANONE	10	3.9	13 U
1,1,1-TRICHLOROETHANE	10	0.6	13 U
CARBON TETRACHLORIDE	10	1.2	13 U
BROMODICHLOROMETHANE	10	0.7	13 U
1,2-DICHLOROPROPANE	10	1.0	13 U
CIS-1,3-DICHLOROPROPENE	10	1.0	13 U
TRICHLOROETHENE	10	1.1	13 U
DIBROMOCHLOROMETHANE	10	1.4	13 U
1,1,2-TRICHLOROETHANE	10	1.1	13 U
BENZENE	10	1.2	13 U
TRANS-1,3-DICHLOROPROPENE	10	0.9	13 U
BROMOFORM	10	2.5	13 U
4-METHYL-2-PENTANONE	10	4.0	13 U
2-HEXANONE	10	4.8	13 U
TETRACHLOROETHENE	10	1.3	13 U
1,1,2,2-TETRACHLOROETHANE	10	1.7	13 U
TOLUENE	10	0.9	3 J
CHLOROBENZENE	10	0.8	13 U
ETHYLBENZENE	10	2.6	13 U
STYRENE	10	0.9	13 U
XYLENE (TOTAL)	10	1.7	13 U
VINYL ACETATE	10	4.9	13 U
% SOLIDS:			78.0
DILUTION FACTOR:			1.0

* RESULT FROM DILUTION ANALYSIS

CTO 129, NSB NEW LONDON, GROTON, CONNECTICUT
LABORATORY: SOUTHWEST LABORATORY OF OKLAHOMA

CLIENT ID:			QW-1	
LABORATORY ID:			20748.19	
Sample Depth (ft)			5.0-6.0	
TCL SEMIVOLATILE SOILS (UG/KG)				
ANALYTE	CRQL	MDL		
2,4-DINITROPHENOL	800	87	1000	U
4-NITROPHENOL	800	68	1000	U
DIBENZOFURAN	330	28	420	U
2,4-DINITROTOLUENE	330	46	420	U
DIETHYL PHTHALATE	330	37	420	U
4-CHLOROPHENYL-PHENYLETHER	330	61	420	U
FLUORENE	330	30	420	U
4-NITROANILINE	800	89	1000	U
4,6-DINITRO-2-METHYLPHENOL	800	68	1000	U
N-NITROSODIPHENYLAMINE	330	31	420	U
4-BROMOPHENYL-PHENYLETHER	330	96	420	U
HEXACHLOROBENZENE	330	95	420	U
PENTACHLOROPHENOL	800	287	1000	U
PHENANTHRENE	330	45	190	J
ANTHRACENE	330	56	59	J
CARBAZOLE	330	56	420	U
DI-N-BUTYL PHTHALATE	330	43	420	U
FLUORANTHENE	330	41	620	
PYRENE	330	92	830	
BUTYLBENZYL PHTHALATE	330	86	420	U
3,3'-DICHLOROBENZIDINE	330	80	420	U
BENZO(A)ANTHRACENE	330	29	400	J
CHRYSENE	330	27	430	
BIS(2-ETHYLHEXYL)PHTHALATE	330	91	420	U
DI-N-OCTYL PHTHALATE	330	43	420	U
BENZO(B)FLUORANTHENE	330	142	260	J
BENZO(K)FLUORANTHENE	330	166	390	J
BENZO(A)PYRENE	330	31	410	J
INDENO(1,2,3-CD)PYRENE	330	67	290	J
DIBENZ(A,H)ANTHRACENE	330	81	420	U
BENZO(G,H,I)PERYLENE	330	66	290	J
BENZYL ALCOHOL	330	81	420	U
BENZOIC ACID	1700	69	2200	U
% SOLIDS:			78.0	
DILUTION FACTOR:			1.0	

CTO 129, NSB NEW LONDON, GROTON, CONNECTICUT
LABORATORY: SOUTHWEST LABORATORY OF OKLAHOMA

CLIENT ID:			QW-1
LABORATORY ID:			20748.19
Sample Depth (ft)			5.0-6.0
TCL SEMIVOLATILE SOILS (UG/KG)			
ANALYTE	CRQL	MDL	
PHENOL	330	75	420 U
BIS(2-CHLOROETHYL)ETHER	330	63	420 U
2-CHLOROPHENOL	330	65	420 U
1,3-DICHLOROBENZENE	330	57	420 U
1,4-DICHLOROBENZENE	330	55	420 U
1,2-DICHLOROBENZENE	330	65	420 U
2-METHYLPHENOL	330	23	420 U
2,2'-OXYBIS(1-CHLOROPROPANE)	330	195	420 U
4-METHYLPHENOL	330	60	420 U
N-NITROSO-DI-N-PROPYLAMINE	330	100	420 U
HEXACHLOROETHANE	330	52	420 U
NITROBENZENE	330	21	420 U
ISOPHORONE	330	46	420 U
2-NITROPHENOL	330	29	420 U
2,4-DIMETHYLPHENOL	330	78	420 U
2,4-DICHLOROPHENOL	330	42	420 U
1,2,4-TRICHLOROBENZENE	330	52	420 U
NAPHTHALENE	330	45	39 J
4-CHLOROANILINE	330	89	420 U
BIS(2-CHLOROETHOXY)METHANE	330	35	420 U
HEXACHLOROBUTADIENE	330	78	420 U
4-CHLORO-3-METHYLPHENOL	330	41	420 U
2-METHYLNAPHTHALENE	330	29	420 U
HEXACHLOROCYCLOPENTADIENE	330	259	420 U
2,4,6-TRICHLOROPHENOL	330	54	420 U
2,4,5-TRICHLOROPHENOL	800	83	1000 U
2-CHLORONAPHTHALENE	330	33	420 U
2-NITROANILINE	800	60	1000 U
DIMETHYL PHTHALATE	330	25	420 U
ACENAPHTHYLENE	330	29	420 U
2,6-DINITROTOLUENE	330	39	420 U
3-NITROANILINE	800	164	1000 U
ACENAPHTHENE	330	37	420 U

CTO 129, NSB NEW LONDON, GROTON, CONNECTICUT
LABORATORY: SOUTHWEST LABORATORY OF OKLAHOMA

CLIENT ID:			QW-1
LABORATORY ID:			20748.19
Sample Depth (ft)			5.0-6.0
TCL PESTICIDE/PCB SOILS (UG/KG)			
ANALYTE	CRQL	MDL	
ALPHA-BHC	1.7	0.07	2.2 U
BETA-BHC	1.7	0.15	2.2 UJ
DELTA-BHC	1.7	0.07	2.2 U
GAMMA-BHC (LINDANE)	1.7	0.07	2.2 UJ
HEPTACHLOR	1.7	0.16	2.2 U
ALDRIN	1.7	0.07	2.2 UJ
HEPTACHLOR EPOXIDE	1.7	0.05	2.2 U
ENDOSULFAN I	1.7	0.08	2.2 U
DIELDRIN	3.3	0.24	4.2 U
4,4'-DDE	3.3	0.10	4.2 UJ
ENDRIN	3.3	0.15	6.7
ENDOSULFAN II	3.3	0.13	4.2 U
4,4'-DDD	3.3	0.09	4.2 UJ
ENDOSULFAN SULFATE	3.3	2.9	4.2 U
4,4'-DDT	3.3	0.14	4.2 UJ
METHOXYCHLOR	17	0.66	22 UJ
ENDRIN KETONE	3.3	0.12	4.2 U
ENDRIN ALDEHYDE	3.3	0.1	4.2 U
ALPHA-CHLORDANE	1.7	0.12	2.2 U
GAMMA-CHLORDANE	1.7	0.09	2.2 U
TOXAPHENE	170	1.0	220 U
AROCLOR-1016	33	1.0	42 U
AROCLOR-1221	67	1.3	86 U
AROCLOR-1232	33	0.33	42 U
AROCLOR-1242	33	0.33	42 U
AROCLOR-1248	33	1.3	42 U
AROCLOR-1254	33	1.7	42 U
AROCLOR-1260	33	1.3	42 U
% SOLIDS:			78.0
DILUTION FACTOR:			1.0

* RESULT FROM DILUTION ANALYSIS

CTO 129, NSB NEW LONDON, GROTON, CONNECTICUT
LABORATORY: SOUTHWEST LABORATORY OF OKLAHOMA

CLIENT ID:			QW-1	
LABORATORY ID:			20748.19	
Sample Depth (ft)			5.0-6.0	
TAL METAL SOILS (MG/KG)				
ANALYTE	CRDL	IDL		
ALUMINUM	20	0.9	4060	
ANTIMONY	6	0.4	1.3	
ARSENIC	1	0.6	2.1	
BARIUM	20	0.1	22.2	
BERYLLIUM	0.5	0.1	0.15	J
BORON	5	0.3	1.3	U
CADMIUM	0.5	0.1	0.11	J
CALCIUM	500	1.1	742	
CHROMIUM	1	0.1	9.1	
COBALT	5	0.1	2.8	
COPPER	2.5	0.2	20.5	
IRON	10	0.7	6700	
LEAD	0.3	0.2	1470	
MAGNESIUM	500	1.2	1890	
MANGANESE	1.5	0.1	101	
MERCURY	0.1	0.1	0.13	U
NICKEL	4	0.1	6.5	
POTASSIUM	500	68.9	1330	J
SELENIUM	0.5	0.5	0.56	U
SILVER	1	0.1	0.11	U
SODIUM	500	14.3	403	
THALLIUM	1	0.6	0.67	U
VANADIUM	5	0.1	9.6	
ZINC	2	0.1	38.6	J
CYANIDE	0.5	0.5	NR	
% SOLIDS:			90.0	

CTO 129, NSB NEW LONDON, GROTON, CONNECTICUT
LABORATORY: SOUTHWEST LABORATORY OF OKLAHOMA

CLIENT ID:		QW-1		QW-2	QW-3
LABORATORY ID:		20748.19		20754.09	20754.10
Sample Depth (ft)		5.0-6.0		5.0-6.0	5.0-6.0
MISCELLANEOUS SOILS (MG/KG)					
ANALYTE	RDL				
TOTAL PETROLEUM HYDROCARBONS	10	2450	J	1730	642
% SOLIDS:		22.0		87.0	84.0

CTO 129, NSB NEW LONDON, GROTON, CONNECTICUT
LABORATORY: SOUTHWEST LABORATORY OF OKLAHOMA

CLIENT ID:		QW-4	QW-5	QW-SLUDGE
LABORATORY ID:		20788.01	20844.01	20803.01
Sample Depth (ft)		7.0-7.25	6.0-7.0	–
MISCELLANEOUS SOILS (MG/KG)				
ANALYTE	RDL			
TOTAL PETROLEUM HYDROCARBONS	10	1360	25.7	NA
SPECIFIC GRAVITY	NA	NA	NA	0.97
% SOLIDS:		81.0	85.0	NA

CTO 129, NSB NEW LONDON, GROTON, CONNECTICUT
LABORATORY: SOUTHWEST LABORATORY OF OKLAHOMA

CLIENT ID:	QW-1
LABORATORY ID:	20748.20
Sample Depth (ft)	5.0-6.0

TCLP METAL SOILS (UG/L)

ANALYTE	*RL	IDL		
ARSENIC	5000	3	3.0	U
BARIUM	100000	1	253	
CADMIUM	1000	1	2.2	
CHROMIUM	5000	1	8.1	
LEAD	5000	1	51900	
MERCURY	200	0.2	0.20	U
SELENIUM	1000	2	14.6	U
SILVER	5000	1	1.0	U

* REGULATORY LIMIT

FREE PRODUCT

TOTAL METALS

METALS	RESULTS	METHOD
Arsenic, Total	<1.0 mg/Kg	6010
Barium, Total	5.0 mg/Kg	6010
Boron, Total	<2 mg/Kg	6010
Cadmium, Total	1.0 mg/Kg	6010
Chromium, Total	11.0 mg/Kg	6010
Copper, Total	27.0 mg/Kg	6010
Iron, Total	980 mg/Kg	6010
Lead, Total	225 mg/Kg	6010
Magnesium, Total	236 mg/Kg	6010
Manganese, Total	9.0 mg/Kg	6010
Mercury, Total	0.025 mg/Kg	7471
Selenium, Total	<1.0 mg/Kg	6010
Silver, Total	<1.0 mg/Kg	6010
Tin, Total	25 mg/Kg	6010
Zinc, Total	30.0 mg/Kg	6010

FREE PRODUCT

Sample ID#: CSLNV-1105 Date: 8 November 1994
Page 2

TCLP Volatile Organics (EPA 1311/8240)

PARAMETER	RESULTS	COMPONENT MDL	REGULATORY LEVELS
Acetone	Not Detected	<5.0 ug/L	---------
Acrolein	Not Detected	<5.0 ug/L	---------
Acrylonitrile	Not Detected	<5.0 ug/L	---------
Benzene	Not Detected	<5.0 ug/L	500 ug/L
Bromodichloromethane	Not Detected	<5.0 ug/L	---------
Bromoform	Not Detected	<5.0 ug/L	---------
Bromomethane	Not Detected	<5.0 ug/L	---------
2-Butanone (MEK)	Not Detected	<5.0 ug/L	200,000 ug/L
Carbon Disulfide	Not Detected	<5.0 ug/L	---------
Carbon Tetrachloride	Not Detected	<5.0 ug/L	500 ug/L
Chlorobenzene	Not Detected	<5.0 ug/L	100,000 ug/L
Chlorodibromomethane	Not Detected	<5.0 ug/L	---------
Chloroethane	Not Detected	<5.0 ug/L	---------
2-Chloroethyl vinyl ether	Not Detected	<5.0 ug/L	---------
Chloroform	12 ug/L	<5.0 ug/L	6,000 ug/L
Chloromethane	Not Detected	<5.0 ug/L	---------
1,2-Dichlorobenzene	Not Detected	<5.0 ug/L	---------
1,3-Dichlorobenzene	Not Detected	<5.0 ug/L	---------
1,4-Dichlorobenzene	Not Detected	<5.0 ug/L	7,500 ug/L
1,1-Dichloroethane	Not Detected	<5.0 ug/L	---------
1,2-Dichloroethane	Not Detected	<5.0 ug/L	500 ug/L
1,1-Dichloroethylene	Not Detected	<5.0 ug/L	700 ug/L
cis-1,2-Dichloroethylene	Not Detected	<5.0 ug/L	---------
trans-1,2-Dichloroethylene	Not Detected	<5.0 ug/L	---------
1,2-Dichloropropane	Not Detected	<5.0 ug/L	---------
cis-1,3-Dichloropropene	Not Detected	<5.0 ug/L	---------
trans-1,3-Dichloropropene	Not Detected	<5.0 ug/L	---------
Ethyl benzene	Not Detected	<5.0 ug/L	---------
2-Hexanone	Not Detected	<5.0 ug/L	---------
Methylene chloride	Not Detected	<5.0 ug/L	---------
4-Methyl-2-pentanone	Not Detected	<5.0 ug/L	---------
Styrene	Not Detected	<5.0 ug/L	---------
1,1,2,2-Tetrachloroethane	Not Detected	<5.0 ug/L	---------
Tetrachloroethylene	Not Detected	<5.0 ug/L	700 ug/L
Toluene	Not Detected	<5.0 ug/L	---------
1,1,1-Trichloroethane	Not Detected	<5.0 ug/L	---------
1,1,2-Trichloroethane	Not Detected	<5.0 ug/L	---------
Trichloroethylene	Not Detected	<5.0 ug/L	500 ug/L
Trichlorofluoromethane	Not Detected	<5.0 ug/L	---------
1,2,3-Trichloropropane	Not Detected	<5.0 ug/L	---------
Vinyl Acetate	Not Detected	<5.0 ug/L	---------
Vinyl Chloride	Not Detected	<5.0 ug/L	200 ug/L
Xylene	Not Detected	<5.0 ug/L	---------

Crystal Springs Laboratory, Inc.

Environmental & Chemical Testing

CT Dept. of Health PH-0642

178 Bridge Street R
Groton, Connecticut 06340
(203) 445-1751

Sample ID#: CSLNV-1105

Date: 8 November 1994

Date Received: 11-05-94

Sampled by: E.A. Cioffi

Time Received: 10:00 A.M.

Test: Oil FREE PRODUCT

Location: Vacuum Truck 64-0005
Naval Submarine Base New London
Groton, CT

Report to:

Name: Mike Brown
Street: Environmental Division Code 1600
Naval Submarine Base New London
Town, State: Groton, CT

TCLP Extraction: EPA 1311

TCLP METALS	RESULTS	METHOD	REGULATORY LEVELS
Arsenic	<0.05 mg/L	6010	5.0 mg/L
Barium	<0.05 mg/L	6010	100.0 mg/L
Cadmium	<0.05 mg/L	6010	1.0 mg/L
Chromium	<0.05 mg/L	6010	5.0 mg/L
Lead	3.1 mg/L	6010	5.0 mg/L
Mercury	<0.005 mg/L	7470	0.2 mg/L
Selenium	<0.1 mg/L	6010	1.0 mg/L
Silver	<0.05 mg/L	6010	5.0 mg/L

FREE PRODUCT

OTHER ANALYTES

PARAMETER	RESULTS	METHOD
pH	6.84	1010
Cyanide, Total		
Flash Point	>200° F	9040
Polychlorinated Biphenyls (Total PCB's)	<10.0 mg/Kg	8080

MDL - Method Detection Limit

All procedures are in strict compliance with U.S.E.P.A., CT Dept. of Health, and CT D.E.P. guidelines.

Dr. Eugene A. Cioffi, Director

APPENDIX H

CONNECTICUT CLEANUP STANDARDS
(CTDEP, DECEMBER 1994)

APPENDIX A

DRAFT

DIRECT EXPOSURE CRITERIA FOR SOIL

DECEMBER 1994

Draft Direct Exposure Criteria for Soil
Explanation of the Basis for the Criteria
December, 1994

Human exposure to pollutants in soil can occur through ingestion, dermal contact, or inhalation of volatilized compounds or particulates. The direct exposure criteria proposed in this appendix are based primarily on the ingestion exposure pathway. This exposure route appears to be the most quantitatively significant route. However, for nickel, hexavalent chromium, and benzo(a)pyrene, the proposed criteria are based on dermal contact as well because the skin is the primary organ affected or is one of the target organs.

The equations used to calculate the direct exposure criteria, as well as the values used in the equations, are shown on the next two pages. The first set of values used in the equations are based on the assumption that the site is or may, in the future, be used for residential purposes and that children and adults may be exposed to the pollutants. These values were used to calculate the Residential Direct Exposure Criteria. The second set of values used in the equations are based on exposure assumptions more appropriate for an adult worker and are used to calculate the Industrial/Commercial Direct Exposure Criteria.

In addition, for volatile and semi-volatile organic compounds, the Department is proposing ceiling concentrations, or an upper limit on the allowable concentrations in soil. The ceiling concentrations are intended to minimize the overall degradation of the environment, minimize the potential for odor problems, and minimize potential risks to public safety and health from the volatilization of these compounds.

	Ceiling Concentration	
	Residential Criteria	Industrial Criteria
Volatile Compounds	500 ppm	1000 ppm
Semi-volatile Compounds	1000 ppm	2500 ppm

For some compounds, the criteria have been established at the concentration that can be reliably and accurately analyzed by laboratories in the State of Connecticut. These criteria were established at a level equal to the method detection limit multiplied by a factor of 2.

The appendix indicates for each compound listed whether the proposed criteria reflects a ceiling concentration ("C"), a risk-based concentration ("RB"), or a detection level ("DL")

Equations for Calculating Risk-based Residential Direct Exposure Criteria

Carcinogens:

$$Risk = CSF \cdot DOSE$$

$$DOSE = DEC \cdot (EXPOSURE_{CHILD} + EXPOSURE_{ADULT})$$

$$DEC = RISK \cdot 1/CSF/[(IR_C \cdot EF \cdot ED_C \cdot CF/BW_C \cdot AT) + (IR_A \cdot EF \cdot ED_A \cdot CF/BW_A \cdot AT)]$$

Non-Carcinogens:

$$HI = DOSE/RfD$$

$$DOSE = DEC \cdot (EXPOSURE_{CHILD} + EXPOSURE_{ADULT})$$

$$DEC = RfD \cdot HI/[(IR_C \cdot EF \cdot ED_C \cdot CF/BW_C \cdot AT_C) + (IR_A \cdot EF \cdot ED_A \cdot CF/BW_A \cdot AT_A)]$$

For sites that are or may be used for residential purposes:

Character	Description	Units	Value
DEC	Direct Exposure Criteria	mg/kg	calculated
IR_C	Ingestion Rate, Child	mg/day	200
IR_A	Ingestion Rate, Adult	mg/day	100
EF	Exposure Frequency	days/year	365
ED_C	Exposure Duration, Child	years	6
ED_A	Exposure Duration, Adult	years	24
CF	Conversion Factor	kg/mg	0.000001
CSF	Cancer Slope Factor (oral)	$(mg/kg\text{-}day)^{-1}$	
RfD	Reference Dose	(mg/kg-day)	
BW_C	Body Weight, Child	kg	15

Character	Description	Units	Value
BW_A	Body Weight, Adult	kg	70
AT	Averaging Time, carcinogens	days	25550
AT_C	Averaging Time, non-carcinogens Child	days	2190
AT_A	Averaging Time, non-carcinogens Adult	days	8760
RISK	Target Cancer Risk Level	unitless	1.0E-06
HI	Hazard Index	unitless	1.0

Equations for Calculating Risk-based Industrial/Commercial Direct Exposure Criteria

Carcinogens:

RISK = CSF•DOSE

DOSE = DEC•(EXPOSURE)

DEC = RISK•1/CSF/(IR•EF•ED•CF/BW•AT)

Non-carcinogens:

HI = DOSE/RfD

DOSE = DEC•(EXPOSURE)

DEC = RfD•HI/(IR•EF•ED•CF/BW•AT_A)

For sites that are or may be used only for industrial or commercial purposes:

Character	Description	Units	Value
DEC	Direct Exposure Criteria	mg/kg	
IR	Ingestion Rate	mg/day	50
EF	Exposure Frequency	days/year	250
ED	Exposure Duration	years	25
CF	Conversion Factor	kg/mg	0.000001
CSF	Cancer Slope Factor(oral)	$(mg/kg\text{-}day)^{-1}$	
RfD	Reference Dose	(mg/kg-day)	
BW	Body Weight	kg	70
AT	Averaging Time, carcinogens	days	25550

Character	Description	Units	Value
AT_A	Averaging Time, non-carcinogens Adult	days	9125
RISK	Target Cancer Risk	unitless	1.0E-06
HI	Hazard Index	unitless	1.0

Direct Exposure Criteria for Soil
Draft December 1994

Chemical	Residential Criteria in mg/kg (ppm)	Industrial/ Commercial Criteria in mg/kg (ppm)	Basis for Crit.
Volatile Organic Compounds			
Acetone	500	1000	C
Acrylonitrile	1.1	11	RB
Benzene	21	200	RB
Bromoform	78	720	RB
2-Butanone (MEK)	500	1000	C
Carbon tetrachloride	4.7	44	RB
Chlorobenzene	500	1000	C
Chloroform	100	940	C
Dibromochloromethane	7.3	68	RB
1,2-Dichlorobenzene	500	1000	C
1,3-Dichlorobenzene	500	1000	C
1,4-Dichlorobenzene	26	240	RB
1,1-Dichloroethane	500	1000	C
1,2-Dichloroethane	6.7	63	RB
1,1-Dichloroethylene	1	9.5	RB
cis-1,2-Dichloroethylene	500	1000	C
trans-1,2-Dichloroethylene	500	1000	C
1,2-Dichloropropane	9	84	RB
1,3-Dichloropropene	3.4	32	RB
Ethylbenzene	500	1000	C
Ethylene dibromide (EDB)	0.007	0.067	RB
Methyl-tert-butyl-ether	500	1000	C
Methyl isobutyl ketone	500	1000	C

Chemical	Residential Criteria in mg/kg (ppm)	Industrial/ Commercial Criteria in mg/kg (ppm)	Basis for Crit.
Methylene chloride	82	760	RB
Styrene	500	1000	C
1,1,1,2-Tetrachloroethane	24	220	RB
1,1,2,2-Tetrachloroethane	3.1	29	RB
Tetrachloroethylene	12	110	RB
Toluene	500	1000	C
1,1,1-Trichloroethane	500	1000	C
1,1,2-Trichloroethane	11	100	RB
Trichloroethylene	56	520	RB
Vinyl chloride	0.32	3	RB
Xylenes	500	1000	C
Semivolatile Compounds			
Acenaphthylene	1000	2500	C
Anthracene	1000	2500	C
Benzo(a)anthracene	0.84	7.8	DL/RB
Benzo(b)fluoranthene	0.84	7.8	DL/RB
Benzo(k)fluoranthene	8.4	78	RB
Benzo(a)pyrene	0.66	0.78	DL/RB
Bis(2-chloroethyl)ether	0.66	5.2	DL/RB
Bis(2-chloroisopropyl) ether	8.8	82	RB
Bis(2-ethyl hexyl) phthalate	44	410	RB
Butyl benzl phthalate	1000	2500	C
2-chlorophenol	340	2500	RB/C
Di-n-butyl phthalate	1000	2500	C

Chemical	Residential Criteria in mg/kg (ppm)	Industrial/ Commercial Criteria in mg/kg (ppm)	Basis for Crit.
Di-n-octyl phthalate	1000	2500	C
2,4-Dichlorophenol	200	2500	RB/C
Fluoranthene	1000	2500	C
Fluorene	1000	2500	C
Hexachloroethane	44	410	RB
Hexachlorobenzene	0.38	3.6	RB
Naphthalene	1000	2500	C
Pentachlorophenol	5.1	48	RB
Phenanthrene	1000	2500	C
Phenol	1000	2500	C
Pyrene	1000	2500	C
Inorganic Compounds			
Antimony	27	8200	RB
Arsenic	0.35	3.3	RB
Barium	4700	140000	RB
Beryllium	0.14	1.3	RB
Cadmium	34	1000	RB
Chromium, trivalent	3900	51000	RB
Chromium, hexavalent	100	100	RB
Copper	2500	76000	RB
Cyanide	1400	41000	RB
Lead	500	1000	RB
Mercury	20	610	RB
Nickel	1400	7500	RB
Selenium	340	10000	RB

Chemical	Residential Criteria in mg/kg (ppm)	Industrial/ Commercial in mg/kg (ppm)	Basis for Crit.
Silver	340	10000	RB
Thallium	5.4	160	RB
Vanadium	470	14000	RB
Zinc	20000	610000	RB
Pesticides, PCB's, and Total Petroleum Hydrocarbons (TPH)			
Alachlor	7.7	72	RB
Aldicarb	14	410	RB
Atrazine	2.8	26	RB
Chlordane	0.49	2.2	RB
Dieldrin	0.038	0.36	RB
Endrin	20	610	RB
2-4 D	680	20000	RB
Heptachlor epoxide	0.067	0.63	RB
Heptachlor	0.14	1.3	RB
Lindane	20	610	RB
Methoxychlor	340	10000	RB
Toxaphene	0.56	5.2	RB
PCB's	2	2	DL
TPH	500	2500	RB

APPENDIX B

DRAFT

POLLUTANT MOBILITY CRITERIA FOR SOIL

DECEMBER 1994

Draft Pollutant Mobility Criteria for Soil
Explanation of the Basis for the Criteria
December, 1994

Volatile Organic Compounds, Semivolatile Organic Compounds and Pesticides

For volatile organic compounds, the pollutant mobility criteria were established based on research that indicates that the Toxicity Characteristic Leaching Procedure (TCLP) analytical test is a good representation of the actual degree of volatile organic leaching from unsaturated polluted soils. Since the TCLP test requires a soil-to-extract ratio of 20:1, the Department derived the pollutant mobility criteria in Appendix B using the applicable ground-water protection criteria, multiplied by 20 to account for the dilution inherent in the TCLP test. With the exceptions described below, remediation decisions for volatile organic compounds as wells as semivolatile organic compounds and pesticides may be made either based on the mass-based concentrations contained in Appendix B (20 X the ground-water protection criteria), or may be based on a comparison of the results of a TCLP analysis to the ground-water protection criteria for that compound. In GB areas, the TCLP results may be compared to the ground-water protection criteria times a dilution factor of 10.

The correlation between the TCLP result and actual degree of leaching is only valid if the compound is adsorbed to the soil and is not present as a separate phase. If a separate phase is present, the TCLP result will significantly under-predict the actual degree of leaching. For most compounds, the result of a TCLP analysis at the groundwater protection criteria is low enough to be sure that no separate phase is present in the soil. For four compounds denoted in Appendix B with an asterisk, however, the ground-water protection criteria is so high in relation to the solubility of the compound that a TCLP result at the ground-water protection criteria cannot be relied upon because the compound may be present as a separate phase. Accordingly, for 1,2 Dichlorobenzene, Ethyl benzene, Toluene and Xylenes, remedial decisions must be based on a mass analysis at the criteria in Appendix B. For those compounds the criteria in Appendix B reflects the highest concentration at which the Department is confident that no separate phase exists in the soil.

For some of the semivolatile compounds, the mobility criteria based on the ground-water protection criteria multiplied by 20 was a concentration lower than that which can be reliably and accurately analyzed. Consequently, for those compounds, the criteria in appendix B were established at a level equal to the method detection limit multiplied by a factor of 2.

Inorganic Compounds

The pollutant mobility criteria for inorganic heavy metals has been the subject of a research project carried out by the University of Connecticut, Environmental Research Institute (ERI). The study, which is on-going, has two goals:

(1) to evaluate and recommend to the Department a batch-leaching analytical procedure that can be relied upon to characterize the potential degree of leaching of metals in the unsaturated zone at any site subject, and

(2) to propose a protocol for the establishment of a site-specific pollutant mobility criteria for heavy metals in the unsaturated zone.

Preliminary results of the research indicate that either the TCLP or the Synthetic Precipitation Leaching Procedure (SPLP)(EPA method 1312) can be used to conservatively characterize the degree of leaching of heavy metals. The criteria proposed for heavy metals in Appendix B are therefore based on comparing the result of a TCLP or SPLP analysis to the ground-water protection criteria for GA or GAA areas, or to the ground-water protection criteria multiplied by 10 for GB areas.

Pollutant Mobility Criteria for Soil
Draft December 1994

Chemical	GA, GAA Mobility Criteria in mg/kg (ppm)	GB Mobility Criteria in mg/kg (ppm)
Volatile Organic Compounds		
Acetone	14	140
Acrylonitrile	0.01	0.1
Benzene	0.02	0.2
Bromoform	0.08	0.8
2-Butanone(MEK)	8	80
Carbon tetrachloride	.01	.12
Chlorobenzene	2	20
Chloroform	0.12	1.2
Dibromochloromethane	0.01	0.1
1,2-Dichlorobenzene	1.6*	1.6*
1,3-Dichlorobenzene	12	120
1,4-Dichlorobenzene	0.03	0.3
1,1-Dichloroethane	1.4	14
1,2-Dichloroethane	0.02	0.2
1,1-Dichloroethylene	0.14	1.4
cis-1,2-Dichloroethylene	1.4	14
trans-1,2-Dichloroethylene	2	20
1,2-Dichloropropane	0.1	1.0
1,3-Dichloropropene	0.01	0.1
Ethyl benzene	2.6*	2.6*
Ethylene dibromide (EDB)	0.01	0.1
Methyl-tert-butyl-ether	2	20
Methyl isobutyl ketone	7	14
Methylene chloride	0.1	1.0

Chemical	GA, GAA Mobility Criteria in mg/kg (ppm)	GB Mobility Criteria in mg/kg (ppm)
Styrene	2	20
1,1,1,2-Tetrachloroethane	0.02	0.2
1,1,2,2-Tetrachloroethane	0.01	0.1
Tetrachloroethylene	0.1	1
Toluene	8.7*	8.7*
1,1,1-Trichloroethane	4	40
1,1,2-Trichloroethane	0.01	0.12
Trichloroethylene	0.1	1.0
Vinyl chloride	0.04	0.40
Xylenes	1.4*	1.4*
Semivolatile Compounds		
Acenaphthylene	8.4	84
Anthracene	40	400
Benzo(a)anthracene	0.66	0.66
Benzo(b)fluoranthene	0.66	0.66
Benzo(k)fluoranthene	0.66	0.66
Benzo(a)pyrene	0.66	0.66
Bis(2-chloroethyl)ether	0.66	2.4
Bis(2-chloroisopropyl)ether	0.66	2.4
Bis(2-ethyl hexyl)phthalate	0.66	0.66
Butyl benzl phthalate	20	200
2-chlorophenol	0.72	7.2
Di-n-butyl phthalate	14	140
Di-n-octyl phthalate	2	20
2,4-Dichlorophenol	0.66	4
Fluoranthene	5.6	56
Fluorene	5.6	56

Chemical	GA, GAA Mobility Criteria in mg/kg (ppm)	GB Mobility Criteria in mg/kg (ppm)
Hexachloroethane	0.66	0.66
Hexachlorobenzene	0.66	0.66
Naphthalene	5.6	56
Pentachlorophenol	0.66	0.66
Phenanthrene	4	40
Phenol	80	800
Pyrene	4	40
Pesticides, and PCB's		
Alachlor	0.018	0.140
Aldicarb	0.06	0.6
Atrazine	0.07	0.12
Chlordane	0.012	0.04
Dieldrin	0.0004	0.004
2-4 D	1.4	14
Heptachlor epoxide	0.002	0.012
Heptachlor	0.002	0.008
Lindane	0.004	0.04
Methoxychlor	0.720	7.2
Simazine	0.04	0.40
Toxaphene	0.02	0.20
PCB's	2	10

Except for the volatile organic compounds denoted with an asterisk, the pollutant mobility criteria for the above compounds in GA or GAA areas may also be determined by comparing the results of a TCLP analysis to the ground-water protection criteria. In GB areas, the criteria may be determined by comparing the TCLP results to the ground-water protection criteria times a dilution factor of 10.

Total Petroleum Hydrocarbon By EPA Method 418.1	200	500

Inorganic Compounds	GA, GAA Mobility Criteria By TCLP or BY SPLP in mg/l (ppm)	GB Mobility Criteria By TCLP or by SPLP in mg/l (ppm)
Antimony	0.006	0.06
Arsenic	0.05	0.5
Barium	1.0	10.0
Beryllium	0.002	0.02
Cadmium	0.005	0.05
Chromium, total	0.05	0.5
Copper	0.250	2.50
Cyanide	0.140	1.4
Lead	0.015	0.15
Mercury	0.002	0.02
Nickel	0.1	1.0
Selenium	0.036	0.36
Silver	0.036	0.36
Thallium	0.002	0.02
Vanadium	0.05	0.50
Zinc	2.0	20.0

APPENDIX I

CALCULATED CLEANUP STANDARDS
(CTDEP, DECEMBER 1994)

CALCULATION WORKSHEET Order No. 19116 (01-91)

CLIENT: NSB-NLON, GROTON, CONNECTICUT	JOB NUMBER: 9594
SUBJECT: CALCULATION OF DIRECT EXPOSURE SOIL CLEANUP STANDARDS FOR ADDITIONAL CHEMICALS	
BASED ON: CTDEP, DECEMBER 1994	DRAWING NUMBER:
BY: KMS / CHECKED BY: MJS 3/6/95	APPROVED BY: / DATE: 03/06/95

OBJECTIVE: To calculate soil cleanup standards for direct exposure to contaminated soil. Risk-based values are calculated for several chemicals not presented in the CTDEP guidance. Standards for noncarcinogenic and carcinogenic effects are developed for a residential and industrial exposure setting.

RELEVANT EQUATIONS: All equations are presented in Appendix A of the CTDEP guidance (which is provided in Appendix C of this report).

Exposure Assumptions: All assumptions are outlined in the CTDEP guidance.

SAMPLE CALCULATIONS:

Residential Setting:

$$DEC_{carc.} = \frac{1E-6}{CSF\left[\frac{(200\,\frac{mg}{day})(365\,\frac{days}{yr})(6\,yrs)(1E-6\,\frac{kg}{mg})}{(15\,kg)(25550\,days)} + \frac{(100\,\frac{mg}{day})(365\,\frac{days}{yr})(24\,yrs)(1E-6\,\frac{kg}{mg})}{(70\,kg)(25550\,days)}\right]}$$

$$= \frac{0.6125\ days}{CSF}$$

$$DEC_{noncarc} = \frac{(RfD)(1.0)}{\left[\frac{(200\,\frac{mg}{day})(365\,\frac{days}{yr})(6\,yrs)(1E-6\,\frac{kg}{mg})}{(15\,kg)(2190\,days)} + \frac{(100\,\frac{mg}{day})(365\,\frac{days}{yr})(24\,yrs)(1E-6\,\frac{kg}{mg})}{(70\,kg)(8760\,days)}\right]}$$

$$= (6.774E+4\ days)(RfD)$$

CALCULATION WORKSHEET Order No. 19116 (01-91)

CLIENT: NSB-NLON, GROTON, CONNECTICUT	JOB NUMBER: 9594
SUBJECT: CALCULATION OF DIRECT EXPOSURE SOIL CLEANUP STANDARDS FOR ADDITIONAL CHEMICALS	
BASED ON: CTDEP, DECEMBER 1994	DRAWING NUMBER:
BY: KMS / CHECKED BY: MJS 3/6/95	APPROVED BY: / DATE: 03/06/95

Industrial Setting:

$$DEC_{carc.} = \frac{1E-6}{CSF\left[\frac{(50\ \frac{mg}{day})(250\ \frac{days}{yr})(25\ yrs)(1E-6\ \frac{kg}{mg})}{(70\ kg)(25550\ days)}\right]}$$

$$= \frac{5.723\ days}{CSF}$$

$$DEC_{noncarc.} = \frac{(RfD)(1.0)}{\left[\frac{(50\ \frac{mg}{day})(250\ \frac{days}{yr})(25\ yrs)(1E-6\ \frac{kg}{mg})}{(70\ kg)(9125\ days)}\right]}$$

$$= (2.044\ E+6\ days)(RfD)$$

Chemical	RfD (mg/kg-day)	CSF (kg-day/mg)	Residential DEC (mg/kg) Noncarc.	Residential DEC (mg/kg) Carc.	Industrial DEC (mg/kg) Noncarc.	Industrial DEC (mg/kg) Carc.
chrysene	–	7.3E-3 (1)	–	84	–	780
Indeno(1,2,3-cd)pyrene	–	7.3E-1 (1)	–	0.84	–	7.8
Aluminum	1E+0 (2)	–	68,000	–	2,000,000	–
Cobalt	8E-3 (3)	–	540	–	16,000	–
Manganese	5E-3 (3)	–	340	–	10,000	–
Tin	6E-1 (4)	–	41,000	–	1,200,000	–

(1) Calculated based on PAH guidance (USEPA, July 1993).
(2) ECAO, 1994.
(3) Calculated from Toxic Dose-Low (TD_{Lo}).
(4) HEAST, 1993.