

**DRAFT
Feasibility Study (FS) Report**

**Landfill 14 (L4 Site)
Fort Lee Military Reservation
Fort Lee, Virginia**

Prepared for:

U.S. Army Corps Of Engineers
Baltimore District
Baltimore, Maryland

Contract Number: DACW45-93-D-0024

Prepared by:
Fluor Daniel Inc.
100 Fluor Daniel Drive
Greenville, South Carolina 29607

September 1999

FLUOR DANIEL

Table of Contents

<u>SECTION</u>	<u>PAGE</u>
1.0 EXECUTIVE SUMMARY	1
2.0 INTRODUCTION	1
2.1 Regulatory Background	1
2.2 Purpose and Scope	2
3.0 SITE CHARACTERIZATION	2
3.1 Site Description	2
3.2 Nature and Extent of Contamination	5
4.0 DEVELOPMENT OF REMEDIAL ACTION OBJECTIVES	8
4.1 Selection of Applicable or Relevant and Appropriate Requirements.....	8
4.1.1 <u>Chemical-Specific ARARs</u>	9
4.1.1.1 Federal ARARs	9
4.1.1.2 State ARARs	11
4.1.2.1 Threatened or Endangered Species	14
4.1.2.2 Floodplain and Wetlands	14
4.1.3 <u>Action-Specific ARARs</u>	15
5.0 IDENTIFICATION OF REMEDIAL ACTION ALTERNATIVES	18
5.1 No Action	18
5.2 Soil Cover and Institutional Controls	18
5.3 Soil Removal with Disposal or Treatment and Institutional Controls.....	18
6.0 RECOMMENDED REMEDIAL ACTION	19
6.1 Remedial Action Scope	19
6.1.1 <u>Site Reconnaissance</u>	19
6.1.2 <u>Project Planning</u>	20
6.1.3 <u>Project Engineering & Design</u>	20
6.1.4 <u>Construction of the Remedy</u>	20
6.1.5 <u>Compliance and Reporting</u>	21
6.1.6 <u>Meetings</u>	21

FLUOR DANIEL

List of Tables

4-1	SUMMARY OF CHEMICAL-SPECIFIC ARARs.....	10
4-2	POTENTIAL LOCATION-SPECIFIC ARARs.	13
4-3	POTENTIAL ACTION-SPECIFIC ARARs.....	16

List of Figures

Figure 1	Location Map - L4 Site.....	4
Figure 2	Groundwater Elevation Contour Map 1/25/99 - Former Landfill 14 (L4 Site). . . .	7

FLUOR DANIEL**List of Acronyms**

AHA	Activity Hazard Analysis
ARAR	Applicable or Relevant and Appropriate Requirements
bls	below land surface
BNA	Base, neutral, and acid
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
COC	Contaminants of concern
CQC	Contractor's Quality Control
DR Site	Open Detonation Range
EE/CA	Engineering Evaluation and Cost Analysis
IRA	Interim Remedial Action
JMM	James M. Montgomery Consulting Engineers, Inc.
MW	Monitoring well
NGVD	National Geodetic Vertical Datum
PA/SI	Preliminary Assessment/Site Investigation
Pb	Lead
PP	Priority pollutant
PRTE	Pre-Remedial Toxicological Evaluation
RA	Remedial Action
RI/FS	Remedial Investigation/Feasibility Study
TPH-L	Total petroleum hydrocarbon-light fraction
USACE	U.S. Army Corps of Engineers
USACE-TM	U.S. Army Corps of Engineers-Technical Manager
USEPA	United States Environmental Protection Agency
UXO	Unexploded ordnance
VaDEQ	Virginia Department of Environmental Quality
VOC	Volatile organic compounds

FLUOR DANIEL

1.0 EXECUTIVE SUMMARY

The Site Investigation (SI) Confirmation Sampling Report identified metals as a contaminant of concern (COC) in the soil at the Landfill 14 (L4 Site) located at Fort Lee, Virginia. This Feasibility Study (FS) provides the regulatory compliant methods for identifying remedial objectives, remedial alternatives and identifying feasible site management options. The L4 Site FS Report recognizes three possible options to the environmental conditions identified at the Site which include the following:

- no action,
- soil cover, and
- soil removal.

The preliminary recommendation of this report is to pursue the soil cover option. This option, in conjunction with additional institutional controls, will allow the ecological and human receptor protection objectives to be met. The remedial action is a final solution to the site objectives but will be implemented as an interim action within the total firing range which will undergo closure at a future date in accordance with Army Range Rules. An Engineering Evaluation and Cost Analysis (EE/CA) will follow this FS Report as the next step in the environmental remediation of this Site.

2.0 INTRODUCTION

2.1 Regulatory Background

Congress passed the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) in 1980. It and its subsequent amendments and reauthorizations is environmental clean up legislation which provides for liability, site identification and prioritization, funding for clean up work (the superfund), and notification of involved parties. It is generally a vehicle allowing clean up of environmentally contaminated areas, especially abandoned sites. The U.S. Army is using this vehicle as well as other legislation to remediate environmental hazards on its properties.

While the L4 Site is not currently classified as a CERCLA or Superfund site, the U.S. Army is proceeding with this Interim Remedial Action (IRA) under CERCLA guidelines.

FLUOR DANIEL

Applicable or relevant and appropriate requirements (ARARs) are discussed later in this report.

2.2 Purpose and Scope

Several parcels of land at Fort Lee with potential environmental problems are being investigated and cleaned up for the purpose of the U.S. Army to demonstrate environmental responsibility and stewardship of U.S. property and eliminate potential health hazards and closure requirement under the Solid Waste Program. The Army is also positioning their land for possible future use by the government or by private interests were applicable.

The L4 Site at Fort Lee, Virginia was investigated and determined to require limited environmental action to achieve closure under the Solid Waste Program. The work is being conducted through the Baltimore District of the U.S. Army Corps of Engineers (USACE) under the Contract Number DACW45-93-D-0024 to Fluor Daniel, Inc.

This report will focus on compliance with relevant and appropriate requirements of the Virginia Solid Waste Regulations and will demonstrate that the site does not present a significant risk to human health and the environment.

Although the SI Report included a Pre-Remedial Toxicological Assessment (PRTE) for a future residential land use, this is not a realistic scenario for the site since the site contains landfill areas. This report has, therefore, been based on the assumption that institutional controls will be utilized to eliminate residential exposure to the site groundwater.

3.0 SITE CHARACTERIZATION

3.1 Site Description

The Landfill 14 (L4 Site) is located in the northwest portion of the Fort Lee complex. This landfill was used to dispose of construction debris, primarily from the demolition of the old Army hospital. The construction debris was reported to have been contaminated with asbestos materials. Interviews with Fort Lee personnel verified this information. No other hazardous substances were believed to have been

FLUOR DANIEL

deposited at this site. Garbage from Fort Lee was also reportedly taken to this landfill. The landfill was closed in 1975.

A trailer park is located approximately 1,000 feet northwest of the site across Puddledock Road. A berm stretches across the western border of this site keeping storm water runoff from migrating westward to the sand and gravel pits. The southwestern corner of the landfill along the railroad was observed to be lower in elevation than the remainder of the site and surface drainage follows the topography and leaves the Site in the southwest corner of the Site.

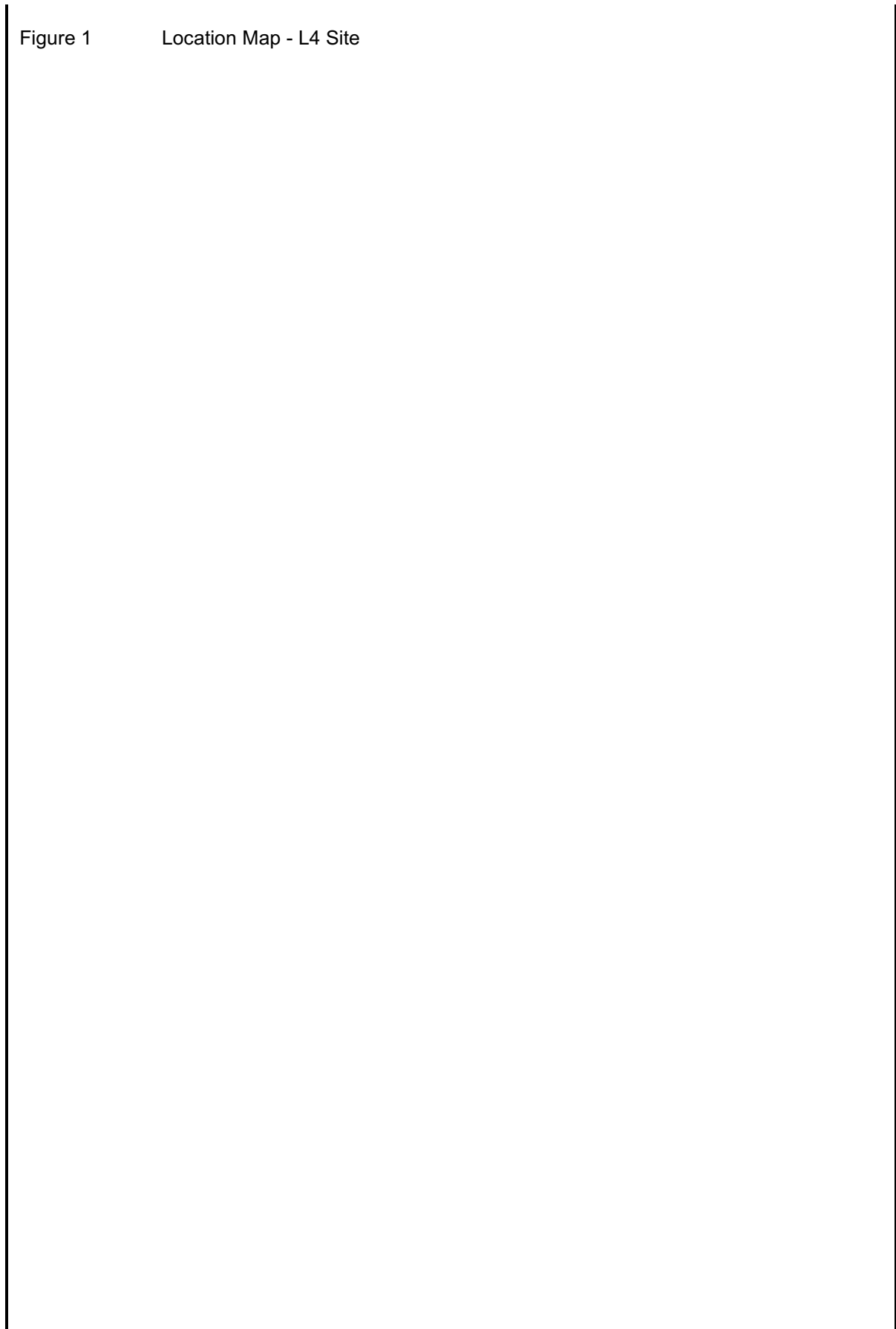
Landfill 14 Site geology appears to be fairly simple. The northern end of the Landfill 14 Site is underlain predominantly by fine grained, slightly silty sand. Intertonguing of clay occurs at approximately 7-1/2 ft. bls, surfaces at the southern end, and extends to a thickness of approximately 7 ft. Fine to medium grained sand mixed with clay, silt and some gravel then extends to approximately 75 ft. bls beneath LL4.

Groundwater discharges near the center of Landfill 14. Flow from the discharge was estimated to be less than 2 gallons per minute at the time of the field events. Comparison of survey data with the groundwater elevation contour map confirmed that the discharge point matched the elevation of the water table. Sediment sample SD01 and surface water sample SW01 were collected from the discharge area.

Groundwater is encountered at approximately 12 feet bls at the northern end of Landfill 14. Locally, the groundwater flow direction is south-southwest toward Harrison Branch Creek. Groundwater flow velocity was determined from slug tests performed in the three monitoring wells. A geometric average of 0.0028 ft/min. is estimated.

FLUOR DANIEL

Figure 1 Location Map - L4 Site



FLUOR DANIEL

The groundwater flow gradient (hydraulic gradient) at Landfill 14 is approximately 0.024. Annual groundwater movement (average linear velocity) was calculated to be 176.6 feet per year (ft./yr.) using an estimated effective porosity of 20%.

3.2 Nature and Extent of Contamination

Fluor Daniel conducted a Preliminary Assessment (PA) at the site in 1995. Based on the PA, the Virginia Department of Environmental Quality (VaDEQ) recommended a comprehensive Site Investigation (SI) to determine whether surface soil, sediment, surface water, subsurface soil, and/or groundwater has been impacted by contaminants associated with the L4 Site.

The SI was conducted in two phases. The first phase was conducted in August of 1997 with the installation of three (3) monitoring wells, and the collection of subsurface soils, surface soils and surface water/sediment samples. The second phase was conducted in November of 1998. The second phase consisted of the installation of an additional downgradient groundwater monitoring well. Samples were analyzed for VOCs, BNAs, pesticides/PCBs, chlorinated herbicides, TAL metals and asbestos.

VOCs and BNA compounds were detected in subsurface soil samples, while pesticide/PCB and chlorinated were not detected above method detection limits. However, none of the detected compounds were above soil screening limits (SSLs). Antimony, calcium, cobalt, sodium and thallium were detected above background levels in subsurface soils. No asbestos was detected in subsurface soil samples.

VOCs, BNA and chlorinated pesticide compounds were detected in surface soil samples. However, none of these detected compounds were above SSLs. No chlorinated herbicides were detected above the method detection limits. Aluminum, barium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, thallium, vanadium and zinc were detected above background levels for surface soil samples. Asbestos was not detected above method detection limits in surface soil samples.

VOCs and pesticides were detected in sediment samples, however, no BNA, PCB or chlorinated herbicides were detected above the method detection limit. Aluminum, antimony, barium, calcium, chromium, cobalt, copper, iron, lead,

FLUOR DANIEL

magnesium, manganese, mercury, potassium, vanadium and zinc were detected above background levels for sediment samples.

VOCs and BNA compounds were detected in surface water samples. Pesticide/PCB and chlorinated herbicide compounds were not detected above method reporting limits. TAL metals were detected in all surface water samples. Surface Water Quality Standards were exceeded for iron and manganese. Quality standards were not available for aluminum, antimony, calcium, cobalt, magnesium, potassium, silver, sodium and vanadium.

BNA and pesticide compounds were detected in groundwater samples, however, VOC, PCB and chlorinated herbicides were not detected above the method reporting limits. Aluminum, arsenic, barium, beryllium, calcium, chromium, cobalt, copper, iron, lead, manganese, nickel, potassium, selenium, silver, vanadium and zinc were detected above background for groundwater samples.

A Preremedial Toxicological Evaluation (PRTE) was performed as part of the SI to determine if any significant risks were posed to human or ecological receptors. Human health risks from surface/subsurface soils and sediments were determined to be below target risk levels for trespassers, off-site resident or potential future residents. Ecological receptors had a minor risk to surface soils and moderate risk for sediments. Ecological risks to subsurface soil were below target risk levels. Human health risks to potential user of groundwater exceeded the target risk levels, however, shallow groundwater is not used as a potable water source in this area. Risk levels for surface water were below the target ranges for human receptors. Ecological receptors were at potential risk from groundwater discharging to the surface and surface water. Surface water quality criteria for several metals were exceeded; however, these results are based on unfiltered water results which overestimate the potential risk to ecological receptors.

The SI determined that the landfilled portion of the site should be closed under the existing Virginia Solid Waste Regulations. The proper landfill boundaries should be determined in order to determine the area of proper coverage. Also access to the landfill area should be restricted by use of fencing and signage. Positive surface drainage in the landfill area should also be addressed. Institutional controls over the use of the site should also be put in place for this site.

FLUOR DANIEL

Figure 2 Groundwater Elevation Contour Map 1/25/99 - Former Landfill 14 (L4 Site)

FLUOR DANIEL

4.0 DEVELOPMENT OF REMEDIAL ACTION OBJECTIVES

Remedial action objectives were developed for the L4 Site taking into consideration media of concern and the corresponding recommendations from the SI, selection of ARARs, and the determination of preliminary risk-based remediation goals (PRGs).

4.1 Selection of Applicable or Relevant and Appropriate Requirements

CERCLA requires that remedial actions meet the ARARs of Federal and State environmental standards, requirements, criteria or limitations. ARARs associated with State rules, regulations and guidance must be utilized when they are more stringent than Federal ARARs. Advisories or guidance issued by Federal or state government outside of the public/legislative review and approval process are not legally binding and therefore, are not potential ARARs. However, such material is treated as To Be Considered (TBC) items in the ARAR development process.

The definitions of ARARs are:

- Applicable Requirements - Under the NCP, cleanup standards, standards of control and other substantive environmental protection requirements, criteria, or limitations promulgated under Federal or state law that specifically address a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstance at a CERCLA site (40 CFR Part 300.5).
- Relevant and Appropriate Requirements - Under the NCP, cleanup standards, standards of control and other substantive environmental protection requirements, criteria, or limitations promulgated under Federal or state law that, while not "applicable" to a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstance at a CERCLA site, address problems or situations sufficiently similar to those encountered at the CERCLA site that their use is well suited to the particular site (40 CFR Part 300.5).
- To Be Considered - United States Environmental Protection Agency (USEPA) has also created another category of requirements known as TBCs which include non-promulgated criteria, advisories and guidance issued by Federal or State government.

FLUOR DANIEL

ARARs are classified into three (3) broad categories, and will be presented based upon these categories:

- Chemical-specific ARARs are usually health- or risk-based numerical values or methodologies used to determine acceptable concentrations of chemicals that may be found in or discharged to the environment (e.g., MCLs that establish safe levels in drinking water. Chemical-specific ARARs govern the extent of site cleanup).
- Location-specific ARARs restrict actions or contaminant concentrations in certain environmentally sensitive areas. Examples of areas regulated under various Federal laws include floodplain, wetlands and locations where endangered species or historically significant cultural resources are present. Location-specific ARARs govern the development or use of naturally or culturally sensitive site features.
- Action-specific ARARs are usually technically- or activity-based requirements or limitations on actions or conditions involving remedial activities.

4.1.1 Chemical-Specific ARARs

The Federal and State chemical-specific ARARs are summarized in Table 4-1.

4.1.1.1 Federal ARARs

There are no Federal regulations that are applicable to the WT Site.

The Safe Drinking Water Act (SDWA) MCLs apply to public water systems which are defined as *systems for the provision of piped water for human consumption with at least 15 service connections or serving at least 25 persons*. The MCLs are enforceable standards that take into consideration human health effects, available treatment technologies and cost of treatment. The site groundwater is not used as a source of drinking water; therefore, SDWA MCLs are not applicable.

FLUOR DANIEL

**TABLE 4-1
 SUMMARY OF CHEMICAL-SPECIFIC ARARs
 FEASIBILITY STUDY
 FORT LEE, VIRGINIA**

ARAR/TBC	Description	Classification	Statutory Citation/Reference
Quality Criteria for Water	Scientific data and guidance of the environmental effects of pollutants which can be useful to derive regulatory requirements based on considerations of water quality impacts. These criteria are also useful in protecting aquatic life by minimizing impacts from sediment.	To Be Considered	USEPA 440/5-86-001 1986
Surface Water Quality Standards	Enforceable Standards that shall apply to all surface waters.	Applicable	9VAC25-260-140
EPA Region III Risk-Based Concentrations (RBCs)	Non-enforceable levels used to screen sites not yet on the NPL	To Be Considered	USEPA 1998
Soil/SW/SED BTAG	Non-enforceable guidance for ecological assessment	To Be Considered	USEPA 1995a
EPA Region III Soil Screening Levels (SSLs)	SSLs provide reasonable maximum estimates of transfer of contaminants from soil to other media	To Be Considered	USEPA 1995a
Solid Waste Management Regulations	Provides action levels for contaminants released from solid waste management units. Clean-up standards are based on risk assessment.	Relevant and Appropriate	VR 672-20-10/ 9VAC 20-80-10 et seq.

FLUOR DANIEL

TBCs for groundwater include USEPA Region III's Risk-Based Concentrations, which are non-enforceable levels used to screen sites that are not yet on the NPL.

Federal TBCs for sediment include the sediment Biological Technical Assistance Guideline (BTAG) Levels, which are non-enforceable guidance for ecological assessment of sediment.

Federal Water Quality Criteria (WQC) under the Clean Water Act are not rules and they do not have regulatory impact. Federal WQC are not enforceable but may be included as TBC criteria for surface water.

Other Federal TBCs for surface water include the surface water BTAG Levels, which are non-enforceable guidance for ecological assessment of surface water.

The Federal TBCs for soil include USEPA Region III's Soil Screening Levels (SSLs), which provide reasonable maximum estimates of transfer of contaminants from soil to other media, and soil BTAG Levels, which are non-enforceable guidance for ecological assessment of soil.

4.1.1.2 State ARARs

Virginia has promulgated the Virginia Water Quality Standards (WQS) VR 680-21-00 (Commonwealth of Virginia, State Water Control Board Regulations (VWCB), 1992). These would be considered as applicable standards. The Virginia WQSs include both Surface Water Standards and Groundwater Standards. Surface water adjacent to the southern boundary of the site is a result of water being impounded from construction of the Norfolk and Western Railway and Virginia Route 36. This ditch system empties into Harrison Branch approximately 500 feet southwest of the Site. Groundwater also discharges to surface water drainage. This implies that for the ecological assessment, freshwater standards are applicable. Human health standards are applicable for human health assessments. Under the Virginia Solid Waste

FLUOR DANIEL

Management Regulations, relevant and appropriate to the L4 Site, groundwater must not exceed the Surface Water Quality Standards at the groundwater interface with surface water. Conduct test pit survey to determine the actual boundaries of the landfill area. However, surface water samples collected from the Site and surrounding areas were not filtered which the Surface Water Quality Standards are based on represent an over estimate of elements actually present.

The Groundwater Protection Levels (GPL) under the Virginia Solid Waste Management Regulations VR 672-20-10 (Commonwealth of Virginia, Department of Waste Management (VADWM), 1993) are potential TBCs. The Virginia GPLs are referenced in the Solid Waste Management Regulations as levels to be considered during the process. However, action levels are defined based on risk. The GPLs, therefore, will not be considered as ARARs since RBCs have been developed through the PRTE.

There are no set maximum allowable levels for chemicals in sediments or soil in the State of Virginia. Under the Virginia Solid Waste Management Regulations, applicable to the WT Site, both action levels and clean-up standards for soil should be developed through the risk assessment.

4.1.2 Location-Specific ARARs

The potential location-specific Federal and State ARARs are summarized in Table 4-2.

**TABLE 4-2
 POTENTIAL LOCATION-SPECIFIC ARARs
 FEASIBILITY STUDY
 FORT LEE, VIRGINIA**

ARAR/TBC	Description	Classification	Statutory Citation/Reference
Endangered Species Act	Provides a means whereby the ecosystems, upon which endangered species and threatened species depend, may be conserved.	Applicable	16 USC 1531
Statement of Procedures on Floodplain Management and Wetlands Protection	Provides guidance for construction of facilities or management of property identified as floodplains/wetlands.	Applicable	40 CFR Part 6, Appendix A
Federal Wetlands Executive Order	Provides for consideration of wetlands during remedial actions.	Applicable	Executive Order 11990
Federal Floodplain Executive Order	Provides for consideration of floodplain during remedial actions.	Applicable	Executive Order 11988
Virginia Natural Area Preserves Act	Provides for protection of threatened or endangered species. Protection measures should include the implementation of management recommendations and consultation of the Virginia Department of Conservation and Recreation's Division of Natural Heritage (DNH).	Applicable	Section 10-1-209 through 217, Code of Virginia
Virginia Statutes - Wetlands	Provides for regulation and protection of wetlands areas which may be affected by certain activities.	Applicable	Virginia Statutes, Chapter 13, Article 3, Section 28.2-1306

FLUOR DANIEL

4.1.2.1 Threatened or Endangered Species

Seven (7) rare species are known to exist on the Fort Lee complex. Five (5) are animal species and two (2) are plant species.

Animals:

Bald Eagle (*Haliaeetus leucocephalus*)

Cooper's Hawk (*Accipiter cooperii*)

American Kestrel (*Falco sparverius*)

Attenuated Bluet (*Enallagma daeckii*)

Lesser Siren (*Siren intermedia*)

Plants:

Virginia Thistle (*Cirsium virginianum*)

Beakrush (*Rhynchospora perplexa*)

Three (3) rare animal species are known to occur near the L4 Site, the Bald Eagle, Cooper's Hawk and American Kestrel. The eagle has legal status at both Federal (US Fish and Wildlife Service under the Endangered Species Act) and State level. The other species are monitored by the Virginia Department of Conservation and Recreation, Division of Natural Heritage (DNH) under the Virginia Natural Area Preserves Act.

The Endangered Species Act provides protection for various species of animals and plants threatened with extinction and should be considered a potential Federal ARAR for the L4 Site.

The Virginia Department of Conservation and Recreation, provides protection for threatened or endangered species at the State level and should be considered as potential State ARARs.

4.1.2.2 Floodplain and Wetlands

The U.S. Fish and Wildlife Services has produced, as a part of a nationwide wetland inventory [United States Geological Survey (USGS)], maps identifying and classifying wetlands. There were three (3) primary wetland areas identified at Fort Lee. Although the

FLUOR DANIEL

L4 Site is not connected with any of these areas, the area south of the site adjacent to drainage ditch would be considered a wetland. However, this area is not considered an isolated wetlands.

If any remedial actions are contemplated which would impact a floodplain or wetland, USEPA guidance contained in 40 CFR 264.18(b) and 40 CFR Part 6, Appendix A would be considered ARARs.

The Virginia Department of Conservation and Recreation provides protection against any proposed land use or management practices that may adversely impact a wetland area and should be considered as potential State ARARs.

4.1.3 Action-Specific ARARs

USEPA guidance (USEPA, 1988) identifies potential CERCLA remedial alternatives. A limited number of remedial alternatives will be considered for the L4 Site.

Table 4-3 lists potential remedial actions with their corresponding Federal and State ARARs. All activities involving land disturbance will be required to file an erosion and sediment control plan per Code of Virginia 10.1-560 (Virginia Erosion and Sediment Control Act).

FLUOR DANIEL

**TABLE 4-3
 POTENTIAL ACTION-SPECIFIC ARARs
 FEASIBILITY STUDY
 FORT LEE, VIRGINIA**

Action	Requirements	Prerequisites	Citation
Landfill Closure	Owner/operator must close the facility to minimize the need for further maintenance, and controls, minimizes or eliminates, to the extent necessary to protect human health and the environment, the post-closure escape of uncontrolled leachate, surface, runoff, or waste decomposition products to the groundwater, surface water, decomposition gas migration, or the atmosphere.		VR 672-20-10 Section 5.3 E
Landfill Closure (continued)	The final cover system shall be designed and constructed to: <ul style="list-style-type: none"> - have a hydraulic conductivity less than or equal to the hydraulic conductivity of any bottom liner system or natural subsoil present, or a hydraulic conductivity no greater than 1×10^{-5} cm/sec, whichever is less - minimize infiltration through the closed disposal unit by the use of an infiltration layer that contains a minimum 18 inches of earthen material - minimize erosion of the final cover by the use of an erosion layer that contains a minimum of 6 inches of earthen material that is capable of sustaining native plant growth - Finished side slopes shall be stable and be configured to adequately control erosion and runoff. Slopes of 33 percent will be allowed provided that adequate runoff controls are established 		9 VAC 20-80-250.E
	Post closure care and groundwater monitoring		VR 672-20-10 Section 5.3F
Virginia Stormwater Management Act; Virginia Stormwater Management Regulations	Requires all land-disturbing activities to be in compliance with local stormwater management, where they exist.		Code of Virginia sections 10.1-603.1 et. seq.; VR 215-02-00/4 VAC 3-20-10 et. seq.

FLUOR DANIEL

**TABLE 4-3 (Continued)
POTENTIAL ACTION-SPECIFIC ARARs
FEASIBILITY STUDY
FORT LEE, VIRGINIA**

Action	Requirements	Prerequisites	Citation
All	Regulations and guidance promulgated under United States Occupational Safety and Health Administration (OSHA) provide for protection of human health.	Workers must enter CERCLA site and are involved in waste removal, sampling, or treatment.	29 CFR Parts 1910 and 1926

FLUOR DANIEL

5.0 IDENTIFICATION OF REMEDIAL ACTION ALTERNATIVES

The following three (3) alternatives for remedial action are listed with their advantages and disadvantages for meeting the remedial objectives.

5.1 No Action

Advantages:

- No cost other than the development of groundwater documentation costs.
- Monitoring program.
- Develop Remedial Plan at a later date if groundwater dictates.

Disadvantages:

- a. Potential ecological and human receptors are not protected.
- b. Site does not meet ARARs for closure under Solid Waste Regulations.

5.2 Soil Cover and Institutional Controls

Advantages:

- a. Low Cost
- b. Potential ecological and human receptors are protected from contact with the contaminated soil.
- c. Surface can be contoured to improve rainwater drainage away from the site, minimizing transport of contaminated soil and groundwater recharge.
- d. Allow site to meet Solid Waste Closure Requirements.

Disadvantages:

- a. A relatively sizable expenditure of funds is required for planning and implementation.

5.3 Soil Removal with Disposal or Treatment and Institutional Controls

Advantages:

- a. Potential ecological and human receptors are protected by the removal of potential contaminants.
- b. Transport of contaminated soil and groundwater is mitigated by removing the soil.

FLUOR DANIEL

Disadvantages:

- a. Costs for disposal or treatment can be very high.
- b. This option would take the longest time.

6.0 RECOMMENDED REMEDIAL ACTION

The preliminary recommendation of this report is to perform a remedial action which involves covering the contaminated area with soil. All of the objectives identified for the L4 Site can be met with this alternative and a relatively small expenditure of funds and time can be expected. The recommended remedial action is a final solution to the site objectives but will be implemented as an interim action.

6.1 Remedial Action Scope

6.1.1 Site Reconnaissance

The Contractor shall perform site reconnaissance in preparation for the Remedial Action. The Contractor shall identify specialized Health and Safety requirements. The Contractor shall survey the current topography of the L4 Site. The Contractor shall identify all available on-site utility services and utility requirements for the Remedial Action.

Assume the following:

- The Contractor (Project Engineer, and survey crew) shall conduct one (1) site visit to the L4 Site.
- The surveyor shall be licensed and registered in the Commonwealth of Virginia. The lateral locations shall be surveyed with respect to the Virginia State Plane Coordinate system. The elevations shall be surveyed with respect to National Geodetic Vertical Datum (NGVD) system.
- Based on the survey, the Contractor shall develop a topographic map of the site with a scale of 1-inch equals 40-feet and a 1-foot contour interval. The topographic map shall also identify the site boundaries and the locations of monitoring wells.

FLUOR DANIEL

- Conduct test pit survey to determine the actual boundaries of the landfill area.

6.1.2 Project Planning

- Review of existing data
- Development of a Project Work Plan
- Development of an Activity Hazard Analysis (AHA)
- Development of a Contractor's Quality Control (CQC) Plan

6.1.3 Project Engineering & Design

The Contractor shall develop the Remedial Design for the project. The Remedial Design shall be detailed in a final design document. The Remedial Design shall include, but not be limited to, Design Definition, Design Specifications, and Design Drawings. The contractor will perform an Engineering Evaluation and Cost Analysis (EE/CA)

6.1.4 Construction of the Remedy

- Mobilization/Demobilization
- Site Preparation, Clearing and Shredding
- Construction of the Soil Cover and Drainage Improvement
- Protect and integrate existing Monitoring Wells into the installed cover elevations
- Installation of Security Fencing

Construction Specifics

The L4 Site considered in this scope of work consists of an area approximately two (2) acres. A compacted soil cover of 2 ft. minimum is to be applied over an identified area (250 x 600 foot area) and graded such that storm water will drain away from the middle and be collected in the natural drainage features around the perimeter. There are no hydraulic conductivity requirements for the soil cover since the site is not a landfill. However, the soil used for the cover is to be a uniformly graded, loam, clay loam, or sandy clay loam as defined by the U.S. Department of Agriculture. At this time, no modifications are planned for the existing berm located on the northern edge of the L4 Site.

FLUOR DANIEL

During the clearing and grubbing construction stage, existing scrub pines and bushes will be removed. This will enable the tree roots to remain in the ground and eliminate underground disturbances.

Following final grading of the soil cover, the area will be seeded with grass to protect the cover against erosion.

6.1.5 Compliance and Reporting

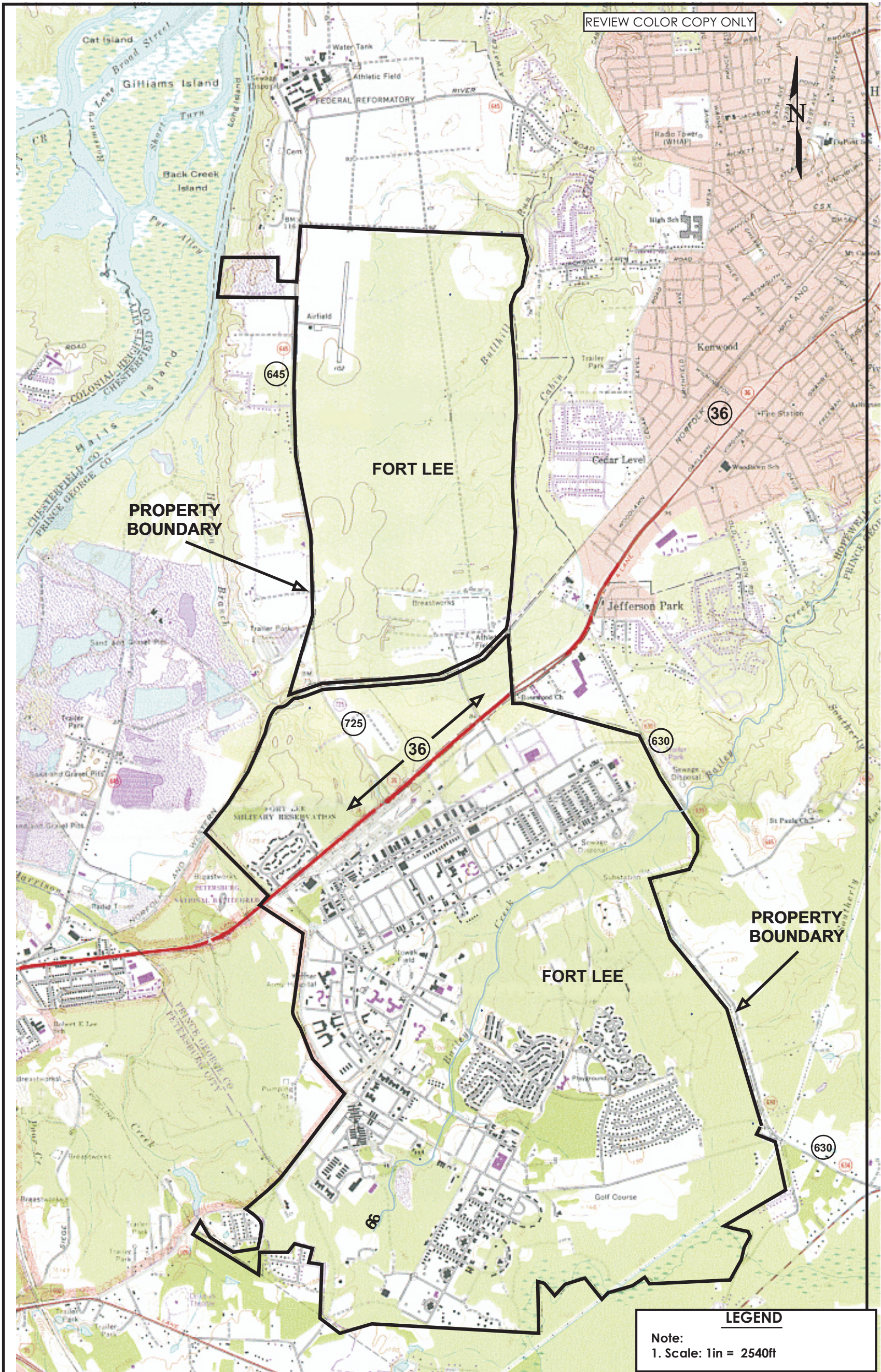
- Close Out Report

The report shall detail the activities, the implemented IRA, the final configuration of the site, and verification that the identified hazards have been remedied. Site photographs and a topographic map depicting the as-built conditions shall also be included.

6.1.6 Meetings

The following preliminary meetings are foreseen as required to provide proper reviews, guidance, and input for the successful implementation of this project.

- Project Kick-Off Meeting
- Work Plan Review - VaDEQ
- Pre-construction Meeting
- Draft IRA Report Meeting
- Close-Out Meeting



RECREATED BY M VIGIL	DATE 03/12/01
REVISED BY J. MITCHELL	DATE 03/12/01
APPROVED BY J. GERVAIS	DATE 03/12/01



E N G I N E E R I N G
GREENVILLE SOUTH CAROLINA

**GENERAL SITE LOCATION MAP
FORT LEE, VIRGINIA**

FIGURE 1-2

REV. 0

LANDFILL 16

<u>MEDIUM</u>	<u>RECEPTOR</u>	<u>CANCER RISK HAZARD INDEX</u>	
Surface soils	Future Resident	No COPC's	1.5E+00 (iron= 0.77)
Ground water	Future Resident	1.7E-03	5.9E+01

No surface soil COPC's for industrial exposure

Groundwater exceeds ARAR's

bis(2-ethylhexyl) phthalate- MCL. One detection above MCL.

gamma-BHC- GWPL. Detected once.

Arsenic- GWPL. Filtered less than GWPL.

Chromium- GWPL&MCL. filtered non detect.

Lead- GWPL&MCL. filtered non detect.

Manganese GWPL. filtered non detect.

Mercury- GWPL. filtered non detect.

Thallium- GWPL. Detected once.

Zinc - GWPL. one filtered result above GWPL.

LANDFILL 15

<u>MEDIUM</u>	<u>RECEPTOR</u>	<u>CANCER RISK HAZARD INDEX</u>	
Surface soils	Future Resident	7.2E-05	2.4E+00 (arsenic = 1.1)
Ground water	Future Resident	1.2E-03	2.3E+00

Arsenic is the only COPC for surface soil under industrial scenerio, but falls out.

Concentrations in Groundwater exceed ARARS

Arsenic- GWPL. filtered below GWPL.

Chromium- GWPL. not detected in filtered.

Lead- MCL. not detected in filtered.

Thallium- MCL. not detected in filtered.

Zinc- GWPL. filtered values below GWPL.

LANDFILL 14

<u>MEDIUM</u>	<u>RECEPTOR</u>	<u>CANCER RISK HAZARD INDEX</u>	
Surface soils	Off-site Resident	No COPC's	1.70E-01
	Future Resident	No COPC's	1.2E+00 (iron= 0.69)
Ground water	Future Resident	1.3E-03	1.2E+01
Surface water	Trespasser	<1.0E-06	2.7E-01
Sediment	Trespasser	<1.0E-06	1.1E-01

No COPCs for industrial exposure

Concentrations in Groundwater exceed ARARs

Lead - MCL

Selenium - GWPL. One hit above GWPL.

Zinc- GWPL. One hit above GWPL.

PT Site

<u>MEDIUM</u>	<u>RECEPTOR</u>	<u>CANCER RISK HAZARD INDEX</u>	
Surface soils	Future Resident	9.2E-06	1.0E+00 (iron= 0.6)
Ground water	Future Resident	1.0E-03	4.8E+01

No COPC's for industrial exposure

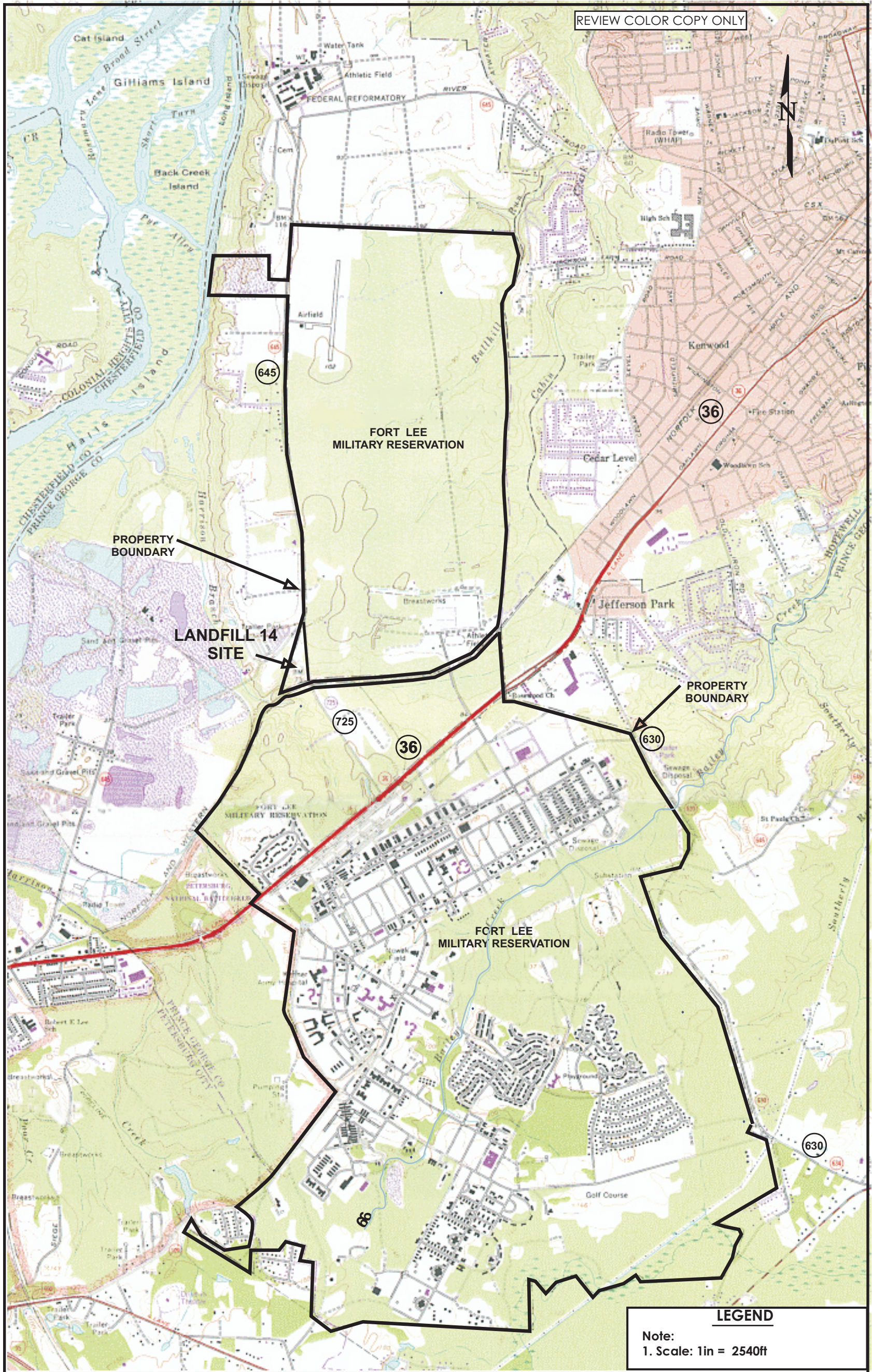
Concentrations in groundwater exceed ARARs

Benzene- GWPL&MCL


bis(2-ethylhexyl) phthalate- MCL

Beryllium- MCL. One detection above MCL

Lead- GWPL&MCL

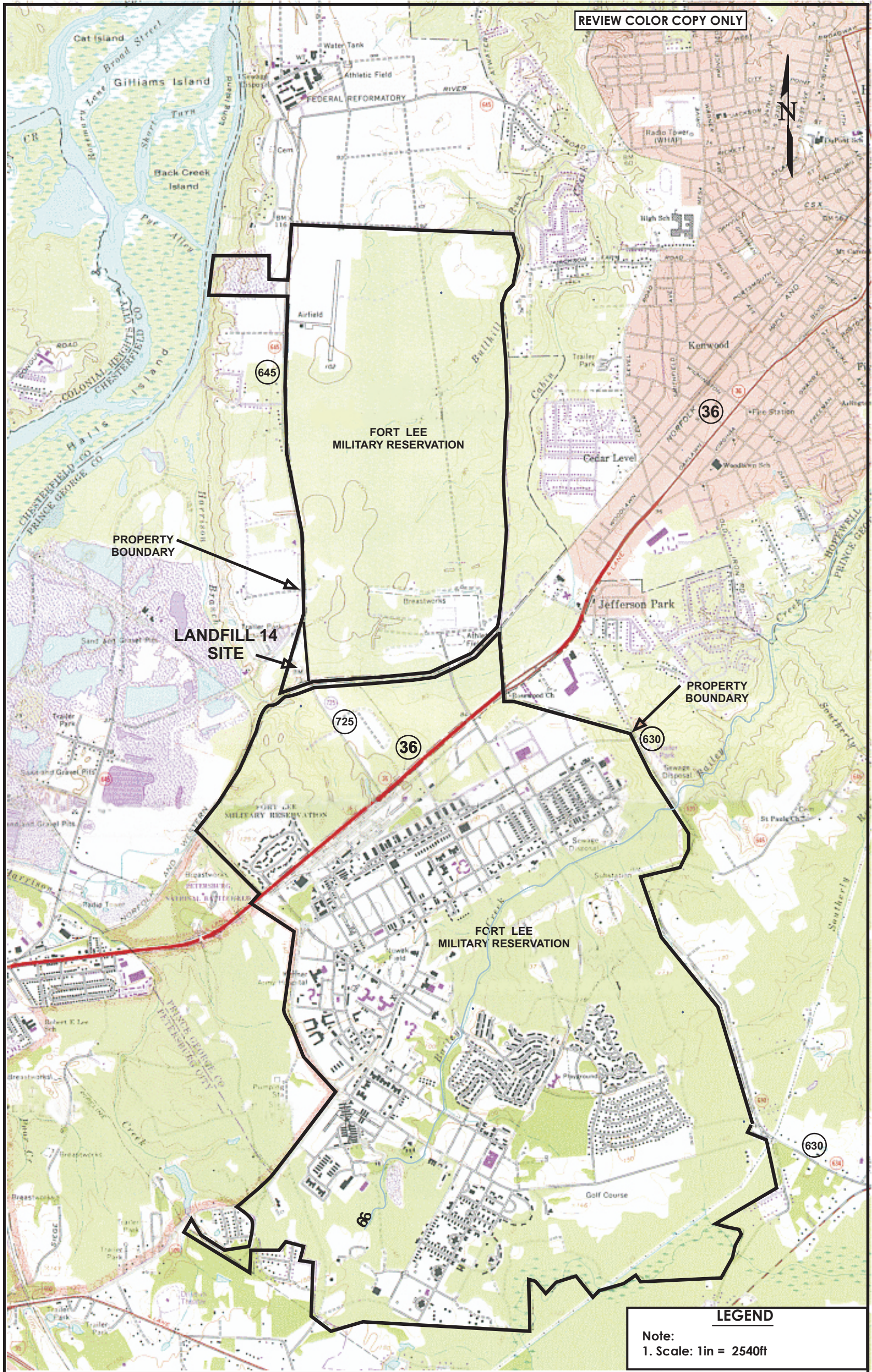


RECREATED BY R. MURRAY	DATE 04/20/01
REVISED BY J. Gervais	DATE 05/16/01
APPROVED BY J. Gervais	DATE 05/16/01

FLUOR DANIEL 


E N G I N E E R I N G
GREENVILLE SOUTH CAROLINA

GENERAL SITE LOCATION MAP LANDFILL 14 (L4 SITE) FORT LEE, VIRGINIA	
FIGURE 2	REV. 0



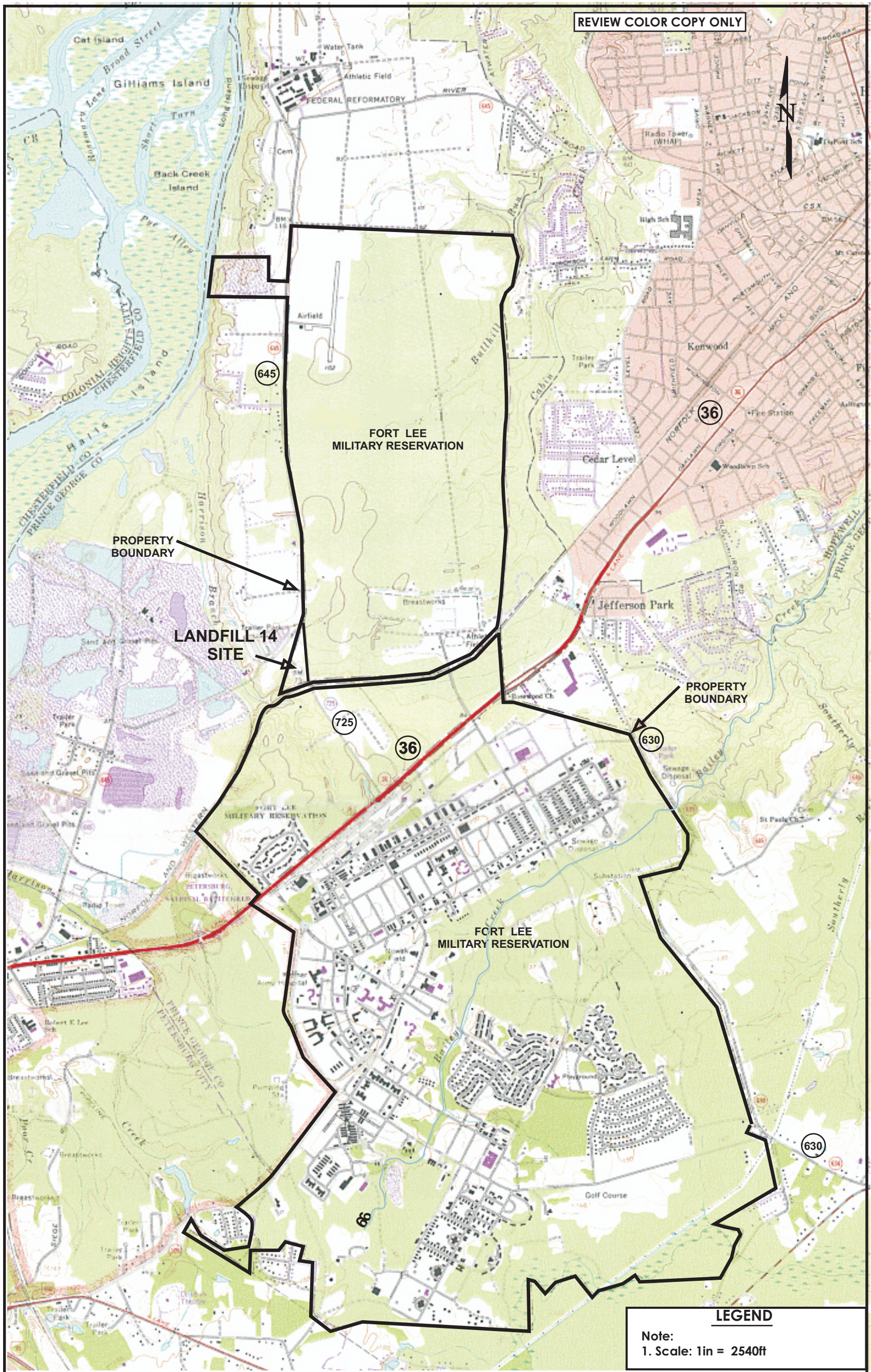
LEGEND
 Note:
 1. Scale: 1in = 2540ft

RECREATED BY R. MURRAY	DATE 04/20/01
REVISED BY J. Gervais	DATE 05/16/01
APPROVED BY J. Gervais	DATE 05/16/01

FLUOR DANIEL 


E N G I N E E R I N G
 GREENVILLE SOUTH CAROLINA

GENERAL SITE LOCATION MAP LANDFILL 14 (L4 SITE) FORT LEE, VIRGINIA	
FIGURE 2	REV. 0



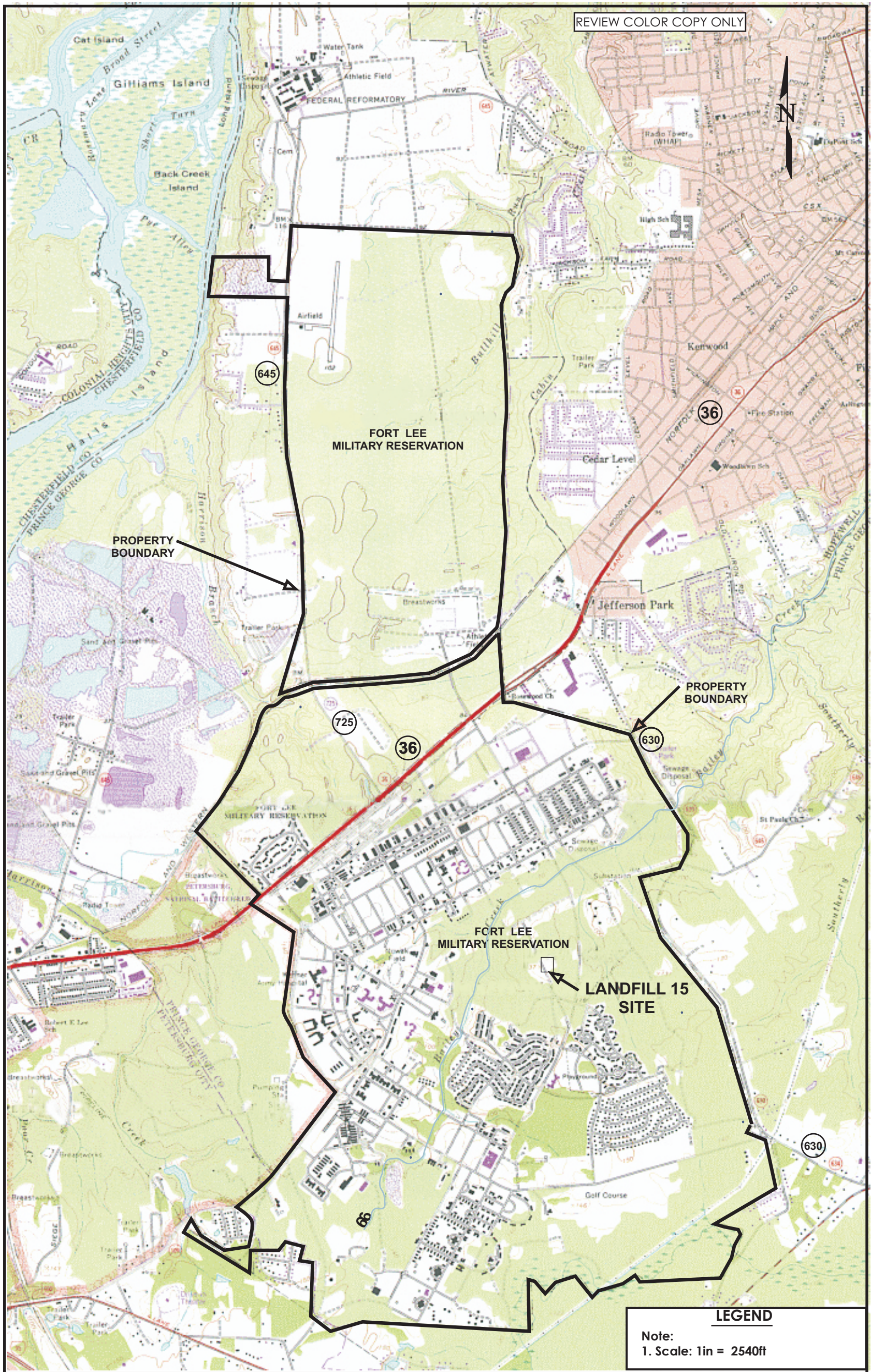
LEGEND
 Note:
 1. Scale: 1in = 2540ft

RECREATED BY R. MURRAY	DATE 04/20/01
REVISED BY J. Gervais	DATE 05/16/01
APPROVED BY J. Gervais	DATE 05/16/01

FLUOR DANIEL 

E N G I N E E R I N G
 GREENVILLE SOUTH CAROLINA

GENERAL SITE LOCATION MAP LANDFILL 14 (L4 SITE) FORT LEE, VIRGINIA	
FIGURE 1	REV. 0



RECREATED BY R. MURRAY	DATE 04/20/01
REVISED BY J. GERVAIS	DATE 04/24/01
APPROVED BY J. Gervais	DATE 04/24/01



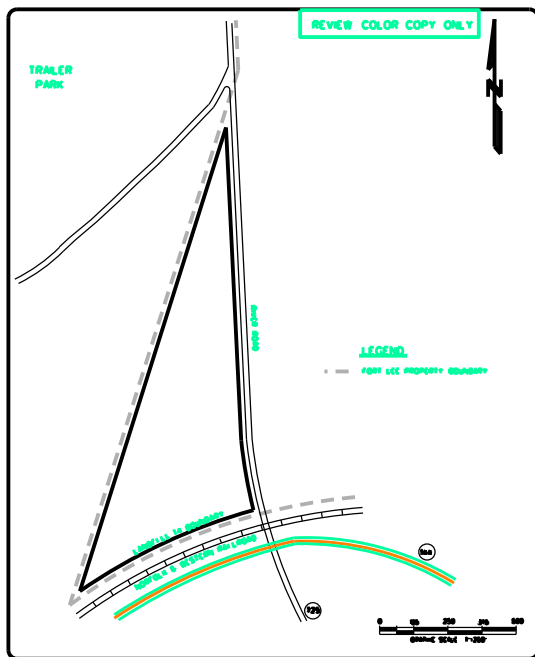
E N G I N E E R I N G
GREENVILLE SOUTH CAROLINA

**GENERAL SITE LOCATION MAP
LANDFILL 15 (L5 SITE)
FORT LEE, VIRGINIA**

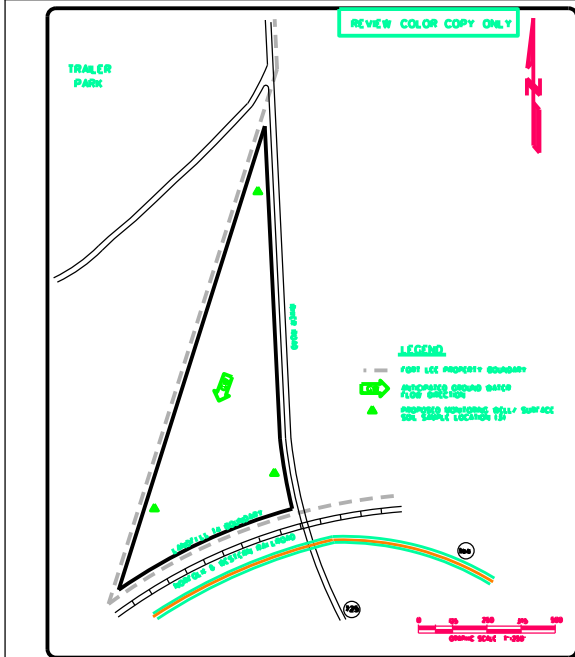
FIGURE 2

REV. 0

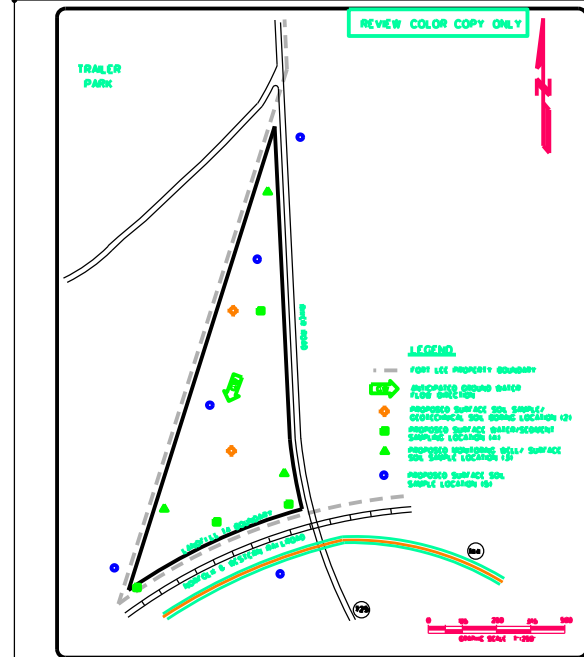
L5GENLOCMAP



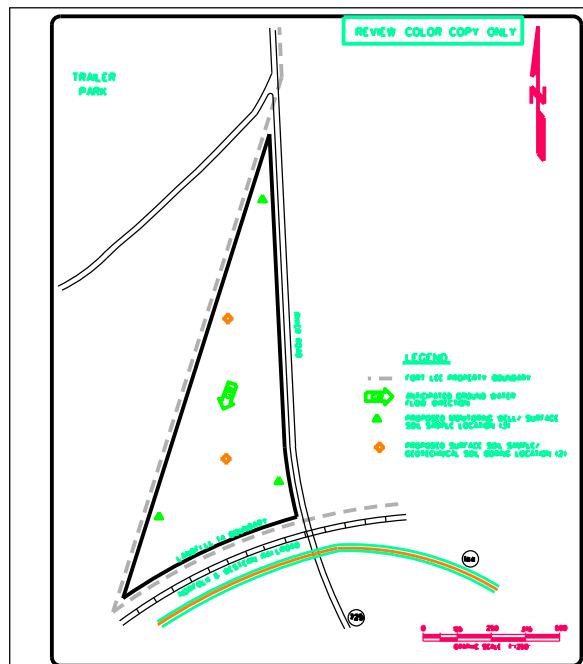
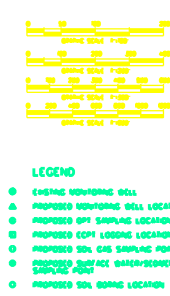
DRAWN BY B J WHITFIELD	DATE 1-05-97		SITE MAP FORMER LANDFILL 14 14-0 SITE FORT LEE, VIRGINIA
REVISED BY J. GERVAS	DATE 11/15/02		
APPROVED BY A SAPYTA	DATE 11/15/02		DGC. NO. FIGURE 2 REV. 0



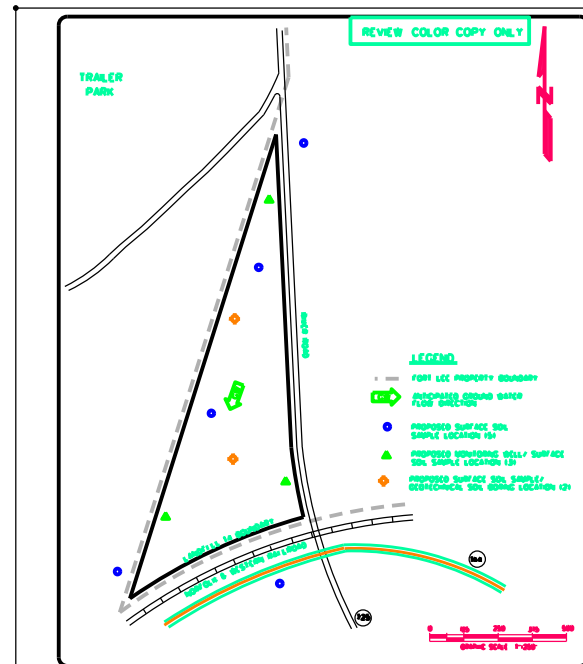
DRAWN BY B J WHITFIELD	DATE 1-05-97		PROPOSED MONITORING WELL SURFACE SOIL SAMPLING LOCATIONS FORMER LANDFILL 14 14-1 SITE FORT LEE, VIRGINIA
REVISED BY D. ASTI	DATE 4-15-97		
APPROVED BY D. ASTI	DATE 6-09-97		DGC. NO. FIG. 4-1 REV. 0



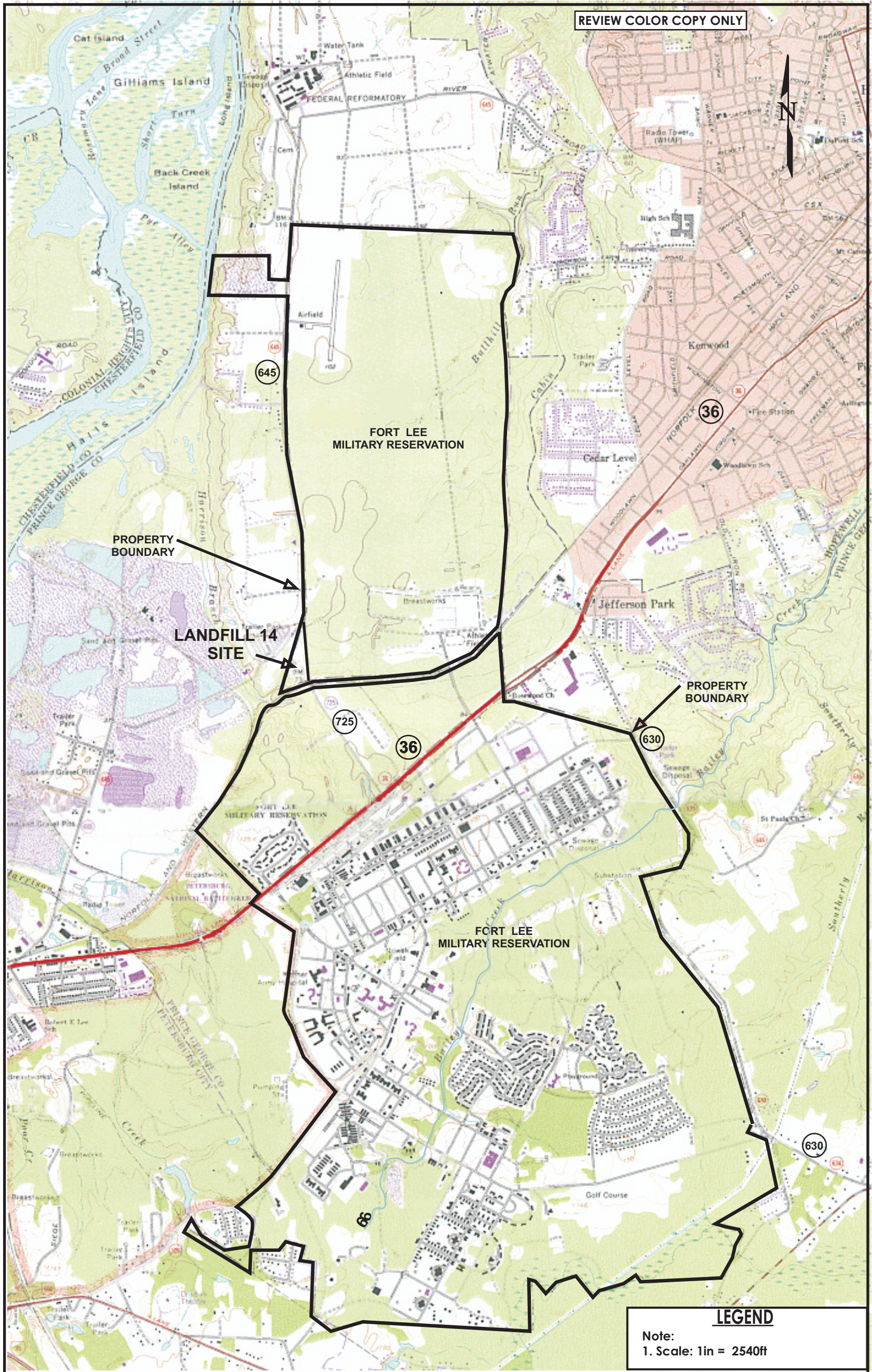
DRAWN BY B J WHITFIELD	DATE 1-05-97		PROPOSED SAMPLING LOCATIONS FORMER LANDFILL 14 14-1 SITE FORT LEE, VIRGINIA
REVISED BY D. ASTI	DATE 4-15-97		
APPROVED BY D. ASTI	DATE 6-09-97		DGC. NO. FIG. 4-1 REV. 0



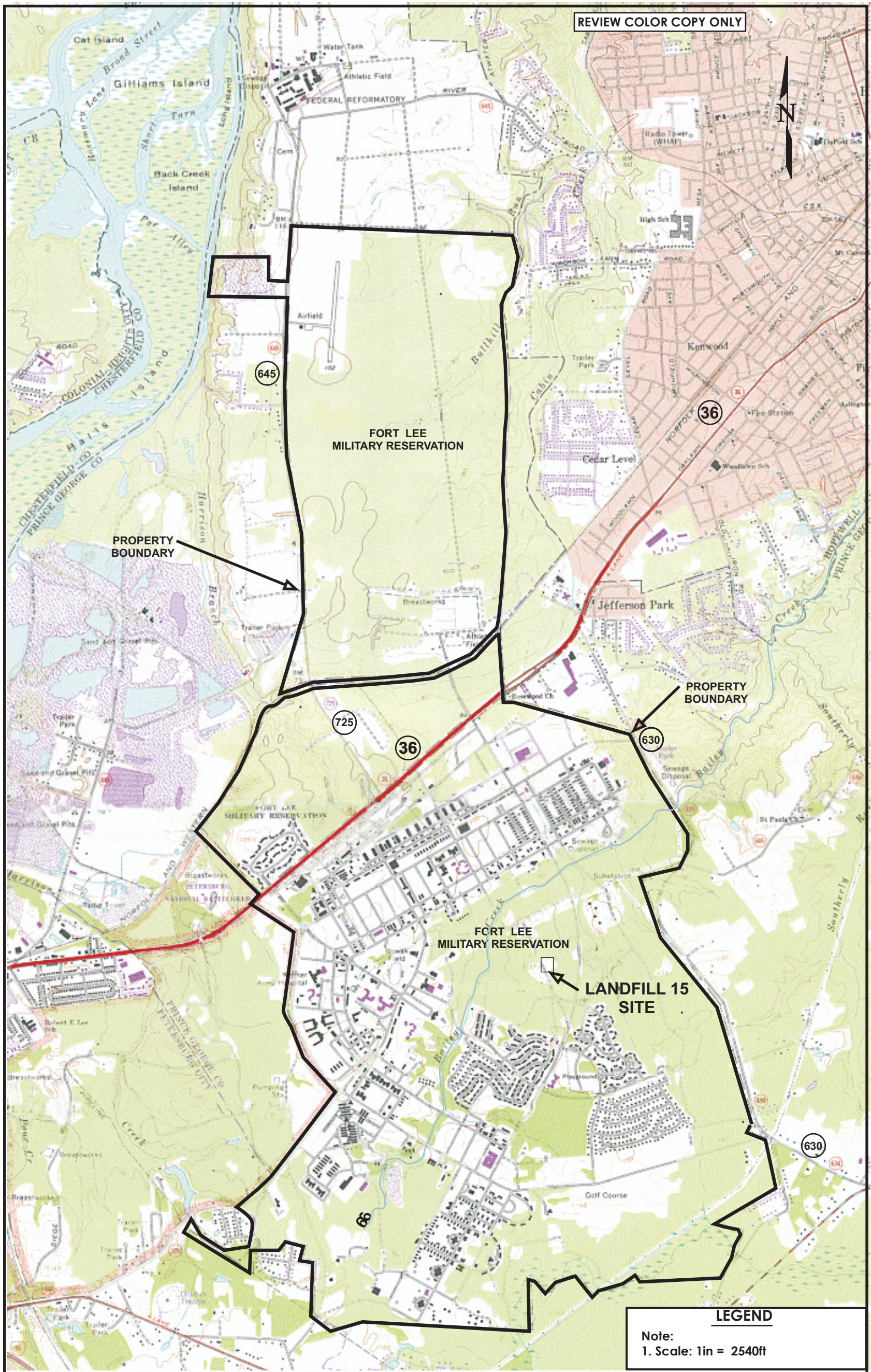
DRAWN BY B J WHITFIELD	DATE 1-05-97		PROPOSED MONITORING WELL SURFACE SOIL SAMPLING LOCATIONS FORMER LANDFILL 14 14-1 SITE FORT LEE, VIRGINIA
REVISED BY D. ASTI	DATE 4-15-97		
APPROVED BY D. ASTI	DATE 6-09-97		DGC. NO. FIG. 4-4 REV. 0




DRAWN BY B J WHITFIELD	DATE 1-05-97		PROPOSED SURFACE SOIL SAMPLING LOCATIONS FORMER LANDFILL 14 14-1 SITE FORT LEE, VIRGINIA
REVISED BY D. ASTI	DATE 6-04-97		
APPROVED BY D. ASTI	DATE 6-09-97		DGC. NO. FIG. 4-5 REV. 0



RECREATED BY R. MURRAY	DATE 04/20/01	<div style="font-size: 2em; font-weight: bold; margin-bottom: 10px;">FLUOR DANIEL</div> <div style="font-weight: bold; font-size: 1.2em; margin-top: 10px;">ENGINEERING</div> GREENVILLE SOUTH CAROLINA	GENERAL SITE LOCATION MAP LANDFILL 14 (L4 SITE) FORT LEE, VIRGINIA	
REVISED BY J. Gervais	DATE 05/16/01		FIGURE 2	REV. 0
APPROVED BY J. Gervais	DATE 05/16/01		L4GENLOCMAP	



RECREATED BY R. MURRAY	DATE 04/20/01	FLUOR DANIEL 	GENERAL SITE LOCATION MAP LANDFILL 15 (L5 SITE) FORT LEE, VIRGINIA	
REVISED BY J. GERVAIS	DATE 04/24/01			
APPROVED BY J. Gervais	DATE 04/24/01		E N G I N E E R I N G GREENVILLE SOUTH CAROLINA	FIGURE 2

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SS1501	9708G48401	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Toluene	35	UG/KG	6		108-88-3
LL6SS1501	9708G48401	08/19/97	09/01/97	09/01/97	SW8270	SOIL	2-Hexanone	14	UG/KG	6		591-78-6
LL6SS1501	9708G48401	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Xylene (total)	6	UG/KG	6		1330-20-7
LL6SS1502	9708G48402	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Trichloroethene	1	UG/KG	6	J	79-01-6
LL6SS1502	9708G48402	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Toluene	23	UG/KG	6		108-88-3
LL6SS1503	9708G48403	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Toluene	12	UG/KG	5		108-88-3
LL6SS1505	9708G48405	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Trichloroethene	2	UG/KG	5	J	79-01-6
LL6SS1505	9708G48405	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Toluene	3	UG/KG	5	J	108-88-3
LL6SS1505	9708G48405	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Tetrachloroethene	2	UG/KG	5	J	127-18-4
LL6SS1507	9708G48407	08/20/97	09/01/97	09/01/97	SW8270	SOIL	1,2-Dichloroethene (total)	4	UG/KG	5	J	540-59-0
LL6SS1508	9708G51219	08/21/97	09/04/97	09/04/97	SW8260	SOIL	Acetone	7	UG/KG	6		67-64-1

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SD1501	9708G48409	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Acetone	6	UG/KG	5		67-64-1
LL6SD1501	9708G48409	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Trichloroethene	7	UG/KG	5		79-01-6
LL6SD1501	9708G48409	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Toluene	4	UG/KG	5	J	108-88-3
LL6SD1501	9708G48409	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Tetrachloroethene	3	UG/KG	5	J	127-18-4
LL6SD1502	9708G48410	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Trichloroethene	4	UG/KG	6	J	79-01-6
LL6SD1502	9708G48410	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Tetrachloroethene	2	UG/KG	6	J	127-18-4
LL6SD1503	9708G48411	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Trichloroethene	7	UG/KG	6		79-01-6
LL6SD1503	9708G48411	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Tetrachloroethene	4	UG/KG	6	J	127-18-4
LL6SD1504	9708G48412	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Trichloroethene	8	UG/KG	5		79-01-6
LL6SD1504	9708G48412	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Toluene	1	UG/KG	5	J	108-88-3
LL6SD1504	9708G48412	08/19/97	09/01/97	09/01/97	SW8270	SOIL	Tetrachloroethene	6	UG/KG	5		127-18-4
LL6SD1505	9708G48413	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Methylene Chloride	7	UG/KG	5		75-09-2
LL6SD1505	9708G48413	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Trichloroethene	3	UG/KG	5	J	79-01-6
LL6SD1505	9708G48413	08/19/97	09/02/97	09/02/97	SW8270	SOIL	4-Methyl-2-pentanone	6	UG/KG	5		108-10-1
LL6SD1505	9708G48413	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Tetrachloroethene	3	UG/KG	5	J	127-18-4
LL6SD1505	9708G48413	08/19/97	09/02/97	09/02/97	SW8270	SOIL	2-Hexanone	18	UG/KG	5		591-78-6
LL6SD1505	9708G48413	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Styrene	1	UG/KG	5	J	100-42-5
LL6SD1505D	9708G48414	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Trichloroethene	10	UG/KG	6		79-01-6
LL6SD1505D	9708G48414	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Tetrachloroethene	7	UG/KG	6		127-18-4
LL6SD1506	9708G48415	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Toluene	48	UG/KG	5		108-88-3
LL6SD1506	9708G48415	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Xylene (total)	6	UG/KG	5		1330-20-7
LL6SD1507	9708G48416	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Trichloroethene	2	UG/KG	5	J	79-01-6
LL6SD1507	9708G48416	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Toluene	78	UG/KG	5		108-88-3
LL6SD1507	9708G48416	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Ethylbenzene	1	UG/KG	5	J	100-41-4
LL6SD1507	9708G48416	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Xylene (total)	10	UG/KG	5		1330-20-7
LL6SD1507	9708G48416	08/19/97	09/02/97	09/03/97	SW8270	SOIL	Toluene	13	UG/KG	5		108-88-3
LL6SD1507	9708G48416	08/19/97	09/02/97	09/03/97	SW8270	SOIL	Xylene (total)	4	UG/KG	5	J	1330-20-7
LL6SD1507D	9708G48417	08/19/97	09/02/97	09/02/97	SW8270	SOIL	1,2-Dichloroethene (total)	1	UG/KG	5	J	540-59-0
LL6SD1507D	9708G48417	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Trichloroethene	2	UG/KG	5	J	79-01-6
LL6SD1507D	9708G48417	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Tetrachloroethene	2	UG/KG	5	J	127-18-4
LL6SD1508	9708G48418	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Toluene	76	UG/KG	6		108-88-3
LL6SD1508	9708G48418	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Ethylbenzene	2	UG/KG	6	J	100-41-4
LL6SD1508	9708G48418	08/19/97	09/02/97	09/02/97	SW8270	SOIL	Xylene (total)	11	UG/KG	6		1330-20-7
LL6SD1508	9708G48418	08/19/97	09/02/97	09/03/97	SW8270	SOIL	Toluene	20	UG/KG	6		108-88-3
LL6SD1508	9708G48418	08/19/97	09/02/97	09/03/97	SW8270	SOIL	Xylene (total)	4	UG/KG	6	J	1330-20-7

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SS1503	9708G48403	08/19/97	08/27/97	08/28/97	SW8270	SOIL	bis(2-Ethylhexyl)phthalate	78	UG/KG	340	J	117-81-7
LL6SS1508	9708G51219	08/21/97	08/28/97	09/21/97	SW8270	SOIL	Benzoic acid	850	UG/KG	1900	J	65-85-0
LL6SS1508D	9708G51220	08/21/97	08/28/97	09/21/97	SW8270	SOIL	Benzoic acid	650	UG/KG	1800	J	65-85-0
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SD1502	9708G48410	08/19/97	08/27/97	08/29/97	SW8270	SOIL	Benzo(b)fluoranthene	50	UG/KG	390	J	205-99-2
LL6SD1508	9708G48418	08/19/97	08/27/97	09/09/97	SW8270	SOIL	Benzoic acid	1600	UG/KG	1800	J	65-85-0

surface soils

	Benzoic acid	bis(2-Ethylhexyl)phthalate	
LL6SS1503			78
LL6SS1508	850		
LL6SS1508D	650		

ug/kg

sediment

	Benzoic acid	Benzo(b)fluoranthene	
LL6SD1502			50
LL6SD1508	1600		

ug/kg

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SS1501	9708G48401	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDE	2.8	UG/KG		8 J	72-55-9
LL6SS1501	9708G48401	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDD	1.6	UG/KG		8 J	72-54-8
LL6SS1501	9708G48401	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDT	1.6	UG/KG		8 J	50-29-3
LL6SS1503	9708G48403	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDE	5.2	UG/KG		6.9	72-55-9
LL6SS1503	9708G48403	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDT	6.9	UG/KG		6.9	50-29-3
LL6SS1504	9708G48404	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDE	2.9	UG/KG		7.4 J	72-55-9
LL6SS1504	9708G48404	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDT	4.4	UG/KG		7.4	50-29-3
LL6SS1505	9708G48405	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDE	16	UG/KG		7.1	72-55-9
LL6SS1505	9708G48405	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDT	13	UG/KG		7.1	50-29-3
LL6SS1506	9708G48406	08/20/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDE	8	UG/KG		6.7	72-55-9
LL6SS1506	9708G48406	08/20/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDT	4.7	UG/KG		6.7	50-29-3
LL6SS1507	9708G48407	08/20/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDE	56	UG/KG		7.1	72-55-9
LL6SS1507	9708G48407	08/20/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDD	3.2	UG/KG		7.1 J	72-54-8
LL6SS1507	9708G48407	08/20/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDT	19	UG/KG		7.1	50-29-3
LL6SS1508	9708G51219	08/21/97	08/28/97	09/05/97	SW8081	SOIL	4,4'-DDE	1.1	UG/KG		3.8 J	72-55-9
LL6SS1508	9708G51219	08/21/97	08/28/97	09/05/97	SW8081	SOIL	Endosulfan II	3	UG/KG		3.8	33213-65-9
LL6SS1508D	9708G51220	08/21/97	08/28/97	09/05/97	SW8081	SOIL	Endosulfan II	6.8	UG/KG		3.8	33213-65-9
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SD1501	9708G48409	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDE	2.5	UG/KG		7.1 J	72-55-9
LL6SD1502	9708G48410	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDE	3.5	UG/KG		7.8 J	72-55-9
LL6SD1502	9708G48410	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDD	3.1	UG/KG		7.8 J	72-54-8
LL6SD1504	9708G48412	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDE	5.5	UG/KG		6.9	72-55-9
LL6SD1504	9708G48412	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDT	4.2	UG/KG		6.9	50-29-3
LL6SD1505	9708G48413	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDT	3.4	UG/KG		6.8	50-29-3
LL6SD1506	9708G48415	08/19/97	08/27/97	09/03/97	SW8081	SOIL	4,4'-DDT	3.1	UG/KG		7 J	50-29-3
LL6SD1507	9708G48416	08/19/97	08/27/97	09/04/97	SW8081	SOIL	4,4'-DDE	42	UG/KG		7	72-55-9
LL6SD1507	9708G48416	08/19/97	08/27/97	09/04/97	SW8081	SOIL	4,4'-DDT	18	UG/KG		7	50-29-3
LL6SD1507D	9708G48417	08/19/97	08/27/97	09/04/97	SW8081	SOIL	4,4'-DDE	41	UG/KG		7	72-55-9
LL6SD1507D	9708G48417	08/19/97	08/27/97	09/04/97	SW8081	SOIL	4,4'-DDT	16	UG/KG		7	50-29-3
LL6SD1508	9708G48418	08/19/97	08/27/97	09/04/97	SW8081	SOIL	4,4'-DDE	45	UG/KG		7.2	72-55-9
LL6SD1508	9708G48418	08/19/97	08/27/97	09/04/97	SW8081	SOIL	4,4'-DDT	20	UG/KG		7.2	50-29-3

surface soils

	4,4'-DDD	4,4'-DDE	4,4'-DDT	Endosulfan II
LL6SS1501	1.6	2.8	1.6	
LL6SS1503		5.2	6.9	
LL6SS1504		2.9	4.4	
LL6SS1505		16	13	
LL6SS1506		8	4.7	
LL6SS1507	3.2	56	19	
LL6SS1508		1.1		3
LL6SS1508D				6.8

ug/kg

sediments

	4,4'-DDD	4,4'-DDE	4,4'-DDT
LL6SD1501		2.5	
LL6SD1502	3.1	3.5	
LL6SD1504		5.5	4.2
LL6SD1505			3.4
LL6SD1506			3.1
LL6SD1507		42	18
LL6SD1507D		41	16
LL6SD1508		45	20

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	4650	MG/KG	1.4		7429-90-5
LL6SS1501	9708G48401	08/19/97	09/08/97	09/12/97	SW7060	SOIL	Arsenic, Total	0.84	MG/KG	0.8		7440-38-2
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	12.4	MG/KG	0.01		7440-39-3
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.09	MG/KG	0.01		7440-41-7
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	267	MG/KG	1.4		7440-70-2
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.59	MG/KG	0.03		7440-48-4
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	6.1	MG/KG	0.03		7440-47-3
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	2.3	MG/KG	0.02		7440-50-8
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	4700	MG/KG	0.8		7439-89-6
LL6SS1501	9708G48401	08/19/97	09/05/97	09/05/97	SW7471	SOIL	Mercury, Total	0.04	MG/KG	0.03		7439-97-6
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	195	MG/KG	1		7440-09-7
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	143	MG/KG	1.4		7439-95-4
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	19.6	MG/KG	0.03		7439-96-5
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	80.7	MG/KG	10.1		7440-23-5
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	1.3	MG/KG	0.04		7440-02-0
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	8.1	MG/KG	0.07		7439-92-1
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.2	MG/KG	0.09		7440-36-0
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.12	MG/KG	0.11		7782-49-2
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	12.8	MG/KG	0.04		7440-62-2
LL6SS1501	9708G48401	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	8	MG/KG	0.02		7440-66-6
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	1730	MG/KG	1.4		7429-90-5
LL6SS1502	9708G48402	08/19/97	09/08/97	09/11/97	SW7060	SOIL	Arsenic, Total	0.2	MG/KG	0.16		7440-38-2
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	16.5	MG/KG	0.01		7440-39-3
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.07	MG/KG	0.01		7440-41-7
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	39.7	MG/KG	1.4		7440-70-2
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.48	MG/KG	0.03		7440-48-4
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	2.2	MG/KG	0.03		7440-47-3
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	1.2	MG/KG	0.02		7440-50-8
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	1730	MG/KG	0.78		7439-89-6
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	86.5	MG/KG	1		7440-09-7
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	76.8	MG/KG	1.4		7439-95-4
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	17.9	MG/KG	0.03		7439-96-5
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	83.6	MG/KG	9.9		7440-23-5
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	0.59	MG/KG	0.04		7440-02-0
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	6.3	MG/KG	0.07		7439-92-1
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	4.1	MG/KG	0.04		7440-62-2
LL6SS1502	9708G48402	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	3.3	MG/KG	0.02		7440-66-6
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	2940	MG/KG	1.2		7429-90-5
LL6SS1503	9708G48403	08/19/97	09/08/97	09/11/97	SW7060	SOIL	Arsenic, Total	0.7	MG/KG	0.19		7440-38-2
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	17.1	MG/KG	0.01		7440-39-3
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.11	MG/KG	0.01		7440-41-7
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	214	MG/KG	1.2		7440-70-2
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.64	MG/KG	0.03		7440-48-4
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	4.1	MG/KG	0.03		7440-47-3
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	2	MG/KG	0.02		7440-50-8
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	3350	MG/KG	0.7		7439-89-6
LL6SS1503	9708G48403	08/19/97	09/05/97	09/05/97	SW7471	SOIL	Mercury, Total	0.03	MG/KG	0.02		7439-97-6
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	124	MG/KG	0.9		7440-09-7
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	128	MG/KG	1.2		7439-95-4
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	30.5	MG/KG	0.03		7439-96-5

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	101	MG/KG	8.9		7440-23-5
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	1	MG/KG	0.03		7440-02-0
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	10.6	MG/KG	0.07		7439-92-1
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.14	MG/KG	0.08		7440-36-0
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.12	MG/KG	0.1		7782-49-2
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	8.1	MG/KG	0.03		7440-62-2
LL6SS1503	9708G48403	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	6.2	MG/KG	0.02		7440-66-6
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	3660	MG/KG	1.3		7429-90-5
LL6SS1504	9708G48404	08/19/97	09/08/97	09/11/97	SW7060	SOIL	Arsenic, Total	0.83	MG/KG	0.18		7440-38-2
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	16.5	MG/KG	0.01		7440-39-3
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.11	MG/KG	0.01		7440-41-7
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	980	MG/KG	1.3		7440-70-2
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.84	MG/KG	0.03		7440-48-4
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	4.8	MG/KG	0.03		7440-47-3
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	2.4	MG/KG	0.02		7440-50-8
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	4020	MG/KG	0.75		7439-89-6
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	226	MG/KG	0.96		7440-09-7
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	221	MG/KG	1.3		7439-95-4
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	52.1	MG/KG	0.03		7439-96-5
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	108	MG/KG	9.5		7440-23-5
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	1.5	MG/KG	0.04		7440-02-0
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	28.1	MG/KG	0.07		7439-92-1
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.21	MG/KG	0.09		7440-36-0
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.22	MG/KG	0.1		7782-49-2
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	10.7	MG/KG	0.04		7440-62-2
LL6SS1504	9708G48404	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	24.3	MG/KG	0.02		7440-66-6
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	2520	MG/KG	1.3		7429-90-5
LL6SS1505	9708G48405	08/19/97	09/08/97	09/11/97	SW7060	SOIL	Arsenic, Total	0.53	MG/KG	0.17		7440-38-2
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	9.5	MG/KG	0.01		7440-39-3
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.07	MG/KG	0.01		7440-41-7
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	289	MG/KG	1.3		7440-70-2
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.36	MG/KG	0.03		7440-48-4
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	4	MG/KG	0.03		7440-47-3
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	1.6	MG/KG	0.02		7440-50-8
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	3250	MG/KG	0.72		7439-89-6
LL6SS1505	9708G48405	08/19/97	09/05/97	09/05/97	SW7471	SOIL	Mercury, Total	0.03	MG/KG	0.02		7439-97-6
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	127	MG/KG	0.92		7440-09-7
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	105	MG/KG	1.3		7439-95-4
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	15.7	MG/KG	0.03		7439-96-5
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	60.5	MG/KG	9.1		7440-23-5
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	1.1	MG/KG	0.04		7440-02-0
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	16.7	MG/KG	0.07		7439-92-1
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.15	MG/KG	0.08		7440-36-0
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.23	MG/KG	0.1		7782-49-2
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	11.5	MG/KG	0.04		7440-62-2
LL6SS1505	9708G48405	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	5.2	MG/KG	0.02		7440-66-6
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	1860	MG/KG	1.3		7429-90-5
LL6SS1506	9708G48406	08/20/97	09/08/97	09/11/97	SW7060	SOIL	Arsenic, Total	0.36	MG/KG	0.15		7440-38-2
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	8.4	MG/KG	0.01		7440-39-3
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.06	MG/KG	0.01		7440-41-7

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	218	MG/KG	1.3		7440-70-2
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.27	MG/KG	0.03		7440-48-4
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	2.3	MG/KG	0.03		7440-47-3
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	1.4	MG/KG	0.02		7440-50-8
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	1690	MG/KG	0.74		7439-89-6
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	86.9	MG/KG	0.95		7440-09-7
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	75.1	MG/KG	1.3		7439-95-4
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	17.7	MG/KG	0.03		7439-96-5
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	62	MG/KG	9.5		7440-23-5
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	0.85	MG/KG	0.04		7440-02-0
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	9.1	MG/KG	0.07		7439-92-1
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.12	MG/KG	0.09		7440-36-0
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	6.4	MG/KG	0.04		7440-62-2
LL6SS1506	9708G48406	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	3.3	MG/KG	0.02		7440-66-6
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	2020	MG/KG	1.3		7429-90-5
LL6SS1507	9708G48407	08/20/97	09/08/97	09/11/97	SW7060	SOIL	Arsenic, Total	0.44	MG/KG	0.17		7440-38-2
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	7.2	MG/KG	0.01		7440-39-3
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.05	MG/KG	0.01		7440-41-7
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	113	MG/KG	1.3		7440-70-2
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.23	MG/KG	0.03		7440-48-4
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	2.7	MG/KG	0.03		7440-47-3
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	1.6	MG/KG	0.02		7440-50-8
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	2180	MG/KG	0.74		7439-89-6
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	89.2	MG/KG	0.95		7440-09-7
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	75.8	MG/KG	1.3		7439-95-4
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	12.6	MG/KG	0.03		7439-96-5
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	59.8	MG/KG	9.5		7440-23-5
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	0.87	MG/KG	0.04		7440-02-0
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	10.3	MG/KG	0.07		7439-92-1
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.19	MG/KG	0.1		7782-49-2
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	7	MG/KG	0.04		7440-62-2
LL6SS1507	9708G48407	08/20/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	3.1	MG/KG	0.02		7440-66-6
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Aluminum, Total	19200	MG/KG	1.5		7429-90-5
LL6SS1508	9708G51219	08/21/97	09/18/97	09/23/97	SW7060	SOIL	Arsenic, Total	3.1	MG/KG	0.37		7440-38-2
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Barium, Total	27.5	MG/KG	0.02		7440-39-3
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Beryllium, Total	0.25	MG/KG	0.02		7440-41-7
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Calcium, Total	45.2	MG/KG	1.5		7440-70-2
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Cobalt, Total	2.2	MG/KG	0.04		7440-48-4
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Chromium, Total	23.2	MG/KG	0.04		7440-47-3
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Copper, Total	8.5	MG/KG	0.03		7440-50-8
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Iron, Total	17700	MG/KG	0.83		7439-89-6
LL6SS1508	9708G51219	08/21/97	09/05/97	09/05/97	SW7471	SOIL	Mercury, Total	0.04	MG/KG	0.03		7439-97-6
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Potassium, Total	496	MG/KG	1.1		7440-09-7
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Magnesium, Total	393	MG/KG	1.5		7439-95-4
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Manganese, Total	20.7	MG/KG	0.03		7439-96-5
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Sodium, Total	96.1	MG/KG	10.6		7440-23-5
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Nickel, Total	6	MG/KG	0.04		7440-02-0
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Lead, Total	9.1	MG/KG	0.08		7439-92-1
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Antimony, Total	0.22	MG/KG	0.1		7440-36-0
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Vanadium, Total	40.8	MG/KG	0.04		7440-62-2

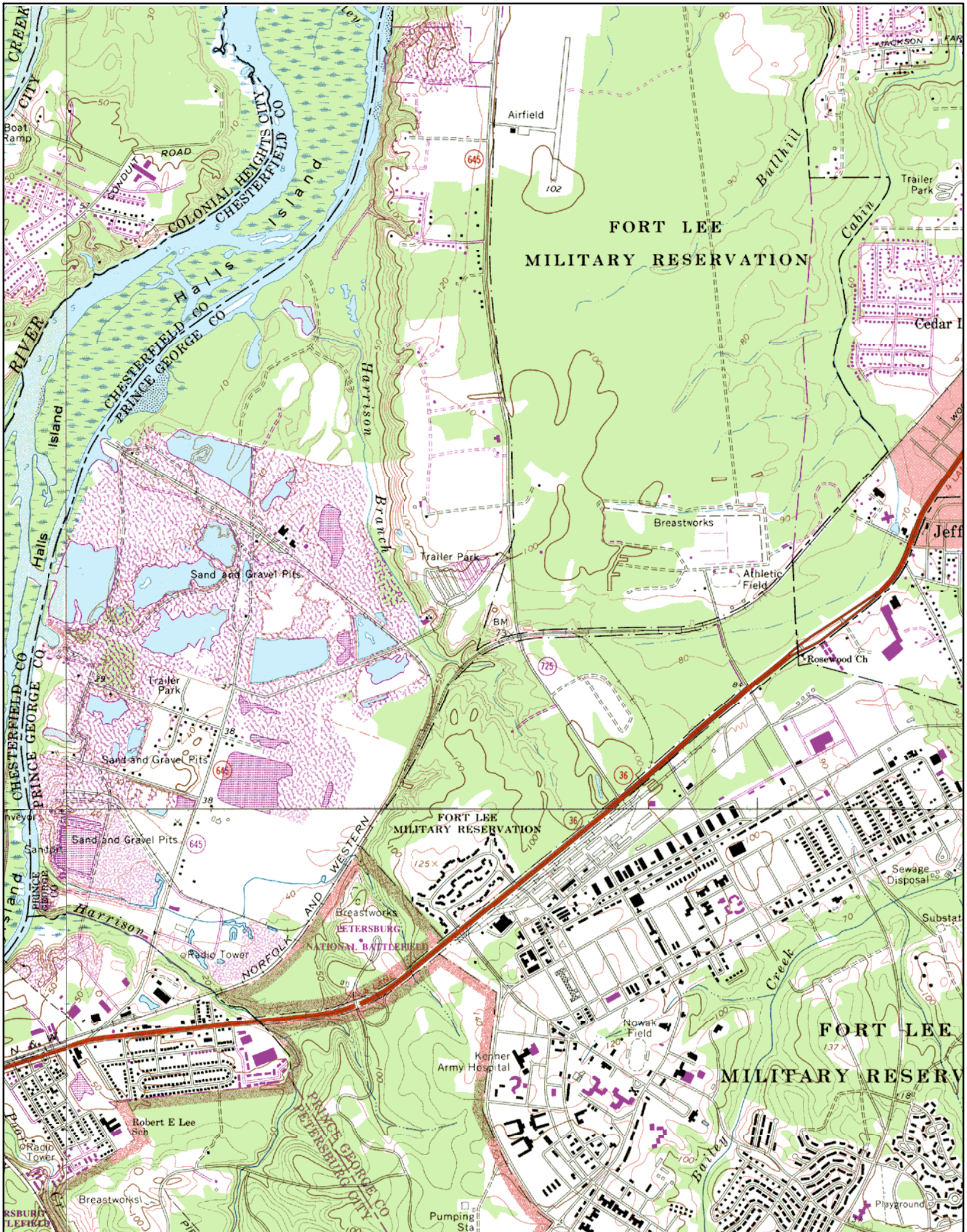
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SS1508	9708G51219	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Zinc, Total	13	MG/KG	0.02		7440-66-6
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Aluminum, Total	16700	MG/KG	1.5		7429-90-5
LL6SS1508D	9708G51220	08/21/97	09/18/97	09/23/97	SW7060	SOIL	Arsenic, Total	2.9	MG/KG	0.35		7440-38-2
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Barium, Total	25.2	MG/KG	0.02		7440-39-3
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Beryllium, Total	0.23	MG/KG	0.02		7440-41-7
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Calcium, Total	45.7	MG/KG	1.5		7440-70-2
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Cobalt, Total	1.9	MG/KG	0.04		7440-48-4
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Chromium, Total	22.3	MG/KG	0.04		7440-47-3
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Copper, Total	8	MG/KG	0.03		7440-50-8
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Iron, Total	18000	MG/KG	0.87		7439-89-6
LL6SS1508D	9708G51220	08/21/97	09/05/97	09/05/97	SW7471	SOIL	Mercury, Total	0.04	MG/KG	0.03		7439-97-6
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Potassium, Total	401	MG/KG	1.1		7440-09-7
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Magnesium, Total	311	MG/KG	1.5		7439-95-4
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Manganese, Total	19.3	MG/KG	0.03		7439-96-5
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Sodium, Total	89.6	MG/KG	11		7440-23-5
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Nickel, Total	4.8	MG/KG	0.04		7440-02-0
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Lead, Total	9.1	MG/KG	0.08		7439-92-1
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Antimony, Total	0.34	MG/KG	0.1		7440-36-0
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Vanadium, Total	40.5	MG/KG	0.04		7440-62-2
LL6SS1508D	9708G51220	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Zinc, Total	10.8	MG/KG	0.02		7440-66-6
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	2070	MG/KG	1.3		7429-90-5
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	7.4	MG/KG	0.01		7440-39-3
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.06	MG/KG	0.01		7440-41-7
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	54.4	MG/KG	1.3		7440-70-2
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.38	MG/KG	0.03		7440-48-4
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	3.2	MG/KG	0.03		7440-47-3
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	1.5	MG/KG	0.02		7440-50-8
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	2380	MG/KG	0.75		7439-89-6
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	152	MG/KG	0.95		7440-09-7
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	135	MG/KG	1.3		7439-95-4
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	18.7	MG/KG	0.03		7439-96-5
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	63.1	MG/KG	9.5		7440-23-5
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	0.7	MG/KG	0.04		7440-02-0
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	8	MG/KG	0.07		7439-92-1
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.25	MG/KG	0.09		7440-36-0
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.13	MG/KG	0.1		7782-49-2
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	7.4	MG/KG	0.04		7440-62-2
LL6SD1501	9708G48409	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	4.7	MG/KG	0.02		7440-66-6
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	5560	MG/KG	1.4		7429-90-5
LL6SD1502	9708G48410	08/19/97	09/08/97	09/15/97	SW7060	SOIL	Arsenic, Total	3.5	MG/KG	0.98		7440-38-2
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	28.1	MG/KG	0.02		7440-39-3
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.12	MG/KG	0.02		7440-41-7
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	3140	MG/KG	1.4		7440-70-2
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.98	MG/KG	0.04		7440-48-4
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	8.4	MG/KG	0.04		7440-47-3
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	10.9	MG/KG	0.03		7440-50-8

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	12600	MG/KG	0.81		7439-89-6
LL6SD1502	9708G48410	08/19/97	09/05/97	09/05/97	SW7471	SOIL	Mercury, Total	0.04	MG/KG	0.03		7439-97-6
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	204	MG/KG	1		7440-09-7
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	180	MG/KG	1.4		7439-95-4
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	57.6	MG/KG	0.03		7439-96-5
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	82.4	MG/KG	10.2		7440-23-5
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	2	MG/KG	0.04		7440-02-0
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	17.4	MG/KG	0.08		7439-92-1
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.27	MG/KG	0.1		7440-36-0
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.23	MG/KG	0.11		7782-49-2
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	17	MG/KG	0.04		7440-62-2
LL6SD1502	9708G48410	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	38.9	MG/KG	0.02		7440-66-6
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	5830	MG/KG	1.4		7429-90-5
LL6SD1503	9708G48411	08/19/97	09/08/97	09/12/97	SW7060	SOIL	Arsenic, Total	1.2	MG/KG	1		7440-38-2
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	28.2	MG/KG	0.01		7440-39-3
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.12	MG/KG	0.01		7440-41-7
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	1880	MG/KG	1.4		7440-70-2
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	1.1	MG/KG	0.03		7440-48-4
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	7.1	MG/KG	0.03		7440-47-3
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	5.6	MG/KG	0.02		7440-50-8
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	6470	MG/KG	0.77		7439-89-6
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	264	MG/KG	0.99		7440-09-7
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	199	MG/KG	1.4		7439-95-4
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	217	MG/KG	0.03		7439-96-5
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	103	MG/KG	9.8		7440-23-5
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	2.1	MG/KG	0.04		7440-02-0
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	11.9	MG/KG	0.07		7439-92-1
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.14	MG/KG	0.09		7440-36-0
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.18	MG/KG	0.11		7782-49-2
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	15.8	MG/KG	0.04		7440-62-2
LL6SD1503	9708G48411	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	22.7	MG/KG	0.02		7440-66-6
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	1650	MG/KG	1.2		7429-90-5
LL6SD1504	9708G48412	08/19/97	09/08/97	09/11/97	SW7060	SOIL	Arsenic, Total	0.51	MG/KG	0.19		7440-38-2
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	7.6	MG/KG	0.01		7440-39-3
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.05	MG/KG	0.01		7440-41-7
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	144	MG/KG	1.2		7440-70-2
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.25	MG/KG	0.03		7440-48-4
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	2.2	MG/KG	0.03		7440-47-3
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	1.3	MG/KG	0.02		7440-50-8
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	1690	MG/KG	0.69		7439-89-6
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	71.6	MG/KG	0.89		7440-09-7
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	60.9	MG/KG	1.2		7439-95-4
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	15.1	MG/KG	0.03		7439-96-5
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	52.1	MG/KG	8.8		7440-23-5
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	0.55	MG/KG	0.03		7440-02-0
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	7.4	MG/KG	0.06		7439-92-1
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.17	MG/KG	0.08		7440-36-0
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.11	MG/KG	0.09		7782-49-2
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	5.5	MG/KG	0.03		7440-62-2
LL6SD1504	9708G48412	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	2.8	MG/KG	0.02		7440-66-6

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	1550	MG/KG	1.2		7429-90-5
LL6SD1505	9708G48413	08/19/97	09/08/97	09/11/97	SW7060	SOIL	Arsenic, Total	0.5	MG/KG	0.17		7440-38-2
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	8.9	MG/KG	0.01		7440-39-3
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.04	MG/KG	0.01		7440-41-7
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	125	MG/KG	1.2		7440-70-2
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.21	MG/KG	0.03		7440-48-4
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	2.1	MG/KG	0.03		7440-47-3
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	1	MG/KG	0.02		7440-50-8
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	1450	MG/KG	0.69		7439-89-6
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	75.2	MG/KG	0.89		7440-09-7
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	65.3	MG/KG	1.2		7439-95-4
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	26.6	MG/KG	0.03		7439-96-5
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	53.7	MG/KG	8.8		7440-23-5
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	0.73	MG/KG	0.03		7440-02-0
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	10.3	MG/KG	0.06		7439-92-1
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.11	MG/KG	0.08		7440-36-0
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.2	MG/KG	0.09		7782-49-2
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	5.8	MG/KG	0.03		7440-62-2
LL6SD1505	9708G48413	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	2.7	MG/KG	0.02		7440-66-6
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	1750	MG/KG	1.3		7429-90-5
LL6SD1505D	9708G48414	08/19/97	09/08/97	09/11/97	SW7060	SOIL	Arsenic, Total	0.47	MG/KG	0.19		7440-38-2
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	9.3	MG/KG	0.01		7440-39-3
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.05	MG/KG	0.01		7440-41-7
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	94.4	MG/KG	1.4		7440-70-2
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.22	MG/KG	0.03		7440-48-4
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	2.3	MG/KG	0.03		7440-47-3
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	1.1	MG/KG	0.02		7440-50-8
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	1620	MG/KG	0.76		7439-89-6
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	81.5	MG/KG	0.97		7440-09-7
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	73.1	MG/KG	1.3		7439-95-4
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	21.5	MG/KG	0.03		7439-96-5
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	56.3	MG/KG	9.6		7440-23-5
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	0.78	MG/KG	0.04		7440-02-0
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	11.2	MG/KG	0.07		7439-92-1
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.09	MG/KG	0.09		7440-36-0
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.24	MG/KG	0.1		7782-49-2
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	6.1	MG/KG	0.04		7440-62-2
LL6SD1505D	9708G48414	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	3.1	MG/KG	0.02		7440-66-6
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	3130	MG/KG	1.3		7429-90-5
LL6SD1506	9708G48415	08/19/97	09/08/97	09/11/97	SW7060	SOIL	Arsenic, Total	0.64	MG/KG	0.2		7440-38-2
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	18	MG/KG	0.01		7440-39-3
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.12	MG/KG	0.01		7440-41-7
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	1270	MG/KG	1.3		7440-70-2
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.87	MG/KG	0.03		7440-48-4
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	4.6	MG/KG	0.03		7440-47-3
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	3.3	MG/KG	0.02		7440-50-8
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	4110	MG/KG	0.72		7439-89-6
LL6SD1506	9708G48415	08/19/97	09/05/97	09/05/97	SW7471	SOIL	Mercury, Total	0.03	MG/KG	0.02		7439-97-6
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	221	MG/KG	0.92		7440-09-7
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	217	MG/KG	1.3		7439-95-4

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	60	MG/KG	0.03		7439-96-5
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	107	MG/KG	9.1		7440-23-5
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	1.3	MG/KG	0.04		7440-02-0
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	26.4	MG/KG	0.07		7439-92-1
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.17	MG/KG	0.08		7440-36-0
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.26	MG/KG	0.1		7782-49-2
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	11.2	MG/KG	0.04		7440-62-2
LL6SD1506	9708G48415	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	26.6	MG/KG	0.02		7440-66-6
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	1710	MG/KG	1.2		7429-90-5
LL6SD1507	9708G48416	08/19/97	09/08/97	09/11/97	SW7060	SOIL	Arsenic, Total	1	MG/KG	0.16		7440-38-2
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	5.8	MG/KG	0.01		7440-39-3
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.04	MG/KG	0.01		7440-41-7
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	81.1	MG/KG	1.2		7440-70-2
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.16	MG/KG	0.03		7440-48-4
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	2.5	MG/KG	0.03		7440-47-3
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	1.6	MG/KG	0.02		7440-50-8
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	2270	MG/KG	0.69		7439-89-6
LL6SD1507	9708G48416	08/19/97	09/05/97	09/05/97	SW7471	SOIL	Mercury, Total	0.04	MG/KG	0.02		7439-97-6
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	74.9	MG/KG	0.88		7440-09-7
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	59.1	MG/KG	1.2		7439-95-4
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	8.9	MG/KG	0.03		7439-96-5
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	39.4	MG/KG	8.7		7440-23-5
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	0.61	MG/KG	0.03		7440-02-0
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	9.2	MG/KG	0.06		7439-92-1
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.17	MG/KG	0.09		7782-49-2
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	7.2	MG/KG	0.03		7440-62-2
LL6SD1507	9708G48416	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	2.6	MG/KG	0.02		7440-66-6
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	1690	MG/KG	1.4		7429-90-5
LL6SD1507D	9708G48417	08/19/97	09/08/97	09/12/97	SW7060	SOIL	Arsenic, Total	0.9	MG/KG	0.35		7440-38-2
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	5.7	MG/KG	0.02		7440-39-3
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.04	MG/KG	0.02		7440-41-7
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	87.6	MG/KG	1.4		7440-70-2
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.15	MG/KG	0.04		7440-48-4
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	2.5	MG/KG	0.04		7440-47-3
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	1.4	MG/KG	0.03		7440-50-8
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	2030	MG/KG	0.81		7439-89-6
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	78.3	MG/KG	1		7440-09-7
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	61.7	MG/KG	1.4		7439-95-4
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	10.3	MG/KG	0.03		7439-96-5
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	42.7	MG/KG	10.3		7440-23-5
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	0.55	MG/KG	0.04		7440-02-0
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	9	MG/KG	0.08		7439-92-1
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.12	MG/KG	0.1		7440-36-0
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.16	MG/KG	0.11		7782-49-2
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	6.6	MG/KG	0.04		7440-62-2
LL6SD1507D	9708G48417	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	2.5	MG/KG	0.02		7440-66-6
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Aluminum, Total	5030	MG/KG	1.3		7429-90-5
LL6SD1508	9708G48418	08/19/97	09/08/97	09/11/97	SW7060	SOIL	Arsenic, Total	1.2	MG/KG	0.2		7440-38-2
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Barium, Total	15	MG/KG	0.01		7440-39-3
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Beryllium, Total	0.1	MG/KG	0.01		7440-41-7

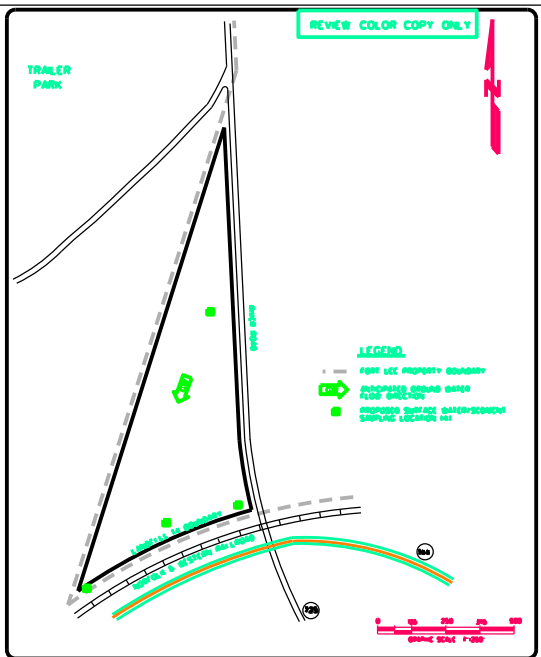
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Calcium, Total	132	MG/KG	1.3		7440-70-2
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Cobalt, Total	0.54	MG/KG	0.03		7440-48-4
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Chromium, Total	6.4	MG/KG	0.03		7440-47-3
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Copper, Total	2.9	MG/KG	0.02		7440-50-8
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Iron, Total	5380	MG/KG	0.75		7439-89-6
LL6SD1508	9708G48418	08/19/97	09/05/97	09/05/97	SW7471	SOIL	Mercury, Total	0.03	MG/KG	0.02		7439-97-6
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Potassium, Total	173	MG/KG	0.96		7440-09-7
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Magnesium, Total	138	MG/KG	1.3		7439-95-4
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Manganese, Total	17	MG/KG	0.03		7439-96-5
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Sodium, Total	92.8	MG/KG	9.6		7440-23-5
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Nickel, Total	1.8	MG/KG	0.04		7440-02-0
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Lead, Total	16.4	MG/KG	0.07		7439-92-1
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Antimony, Total	0.09	MG/KG	0.09		7440-36-0
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Selenium, Total	0.31	MG/KG	0.1		7782-49-2
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Vanadium, Total	16.5	MG/KG	0.04		7440-62-2
LL6SD1508	9708G48418	08/19/97	08/28/97	08/29/97	SW6010	SOIL	Zinc, Total	6	MG/KG	0.02		7440-66-6



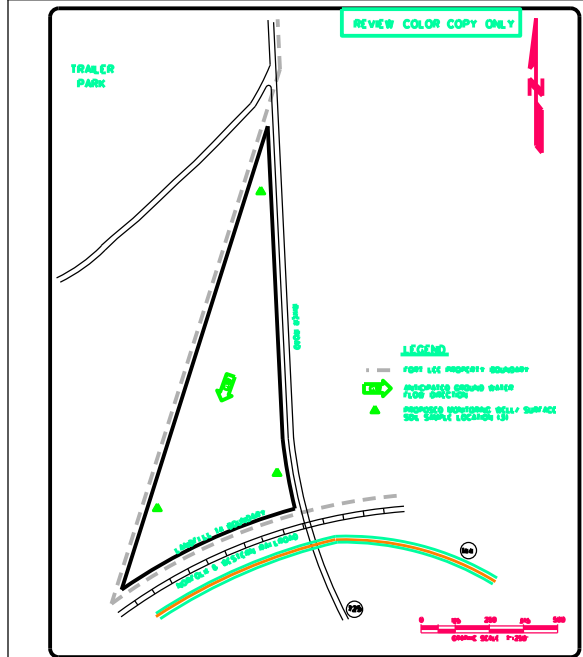
FORT LEE
MILITARY RESERVATION

FORT LEE
MILITARY RESERVATION

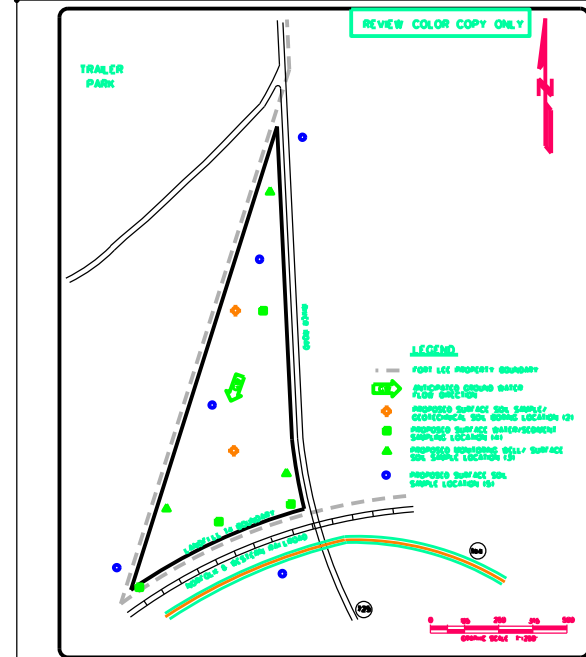
FORT LEE
MILITARY RESERVATION



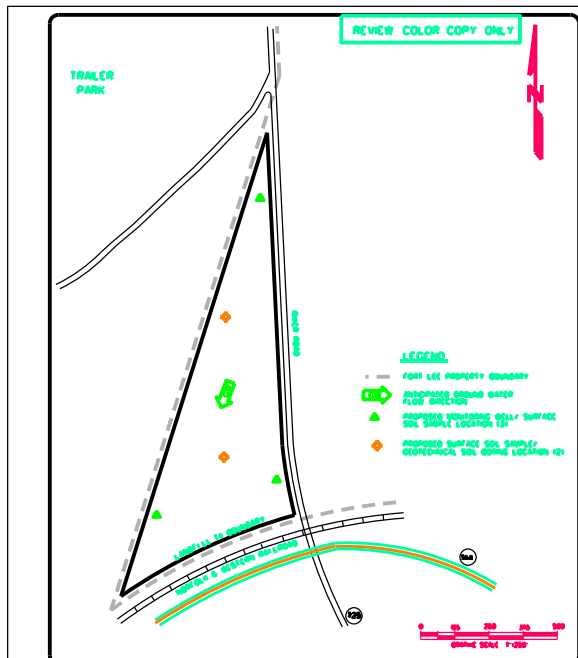
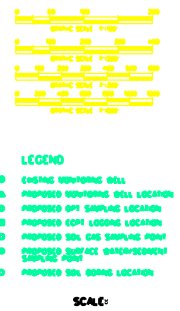
DRAWN BY B. J. WHITFIELD	DATE 1-05-97	 PROPOSED SURFACE WATER/ SEWAGE TREATMENT SAMPLING LOCATIONS FORMER LANDFILL 14 ILL-41 SITE FORT LEE, VIRGINIA	DWG. NO.	FIG. 4-8	REV. 0
REVISED BY D. ASTI	DATE 4-15-97		APPROVED BY D. ASTI	DATE 6-09-97	
 PROPOSED SURFACE WATER/ SEWAGE TREATMENT SAMPLING LOCATIONS FORMER LANDFILL 14 ILL-41 SITE FORT LEE, VIRGINIA			DWG. NO.	FIG. 4-8	REV. 0



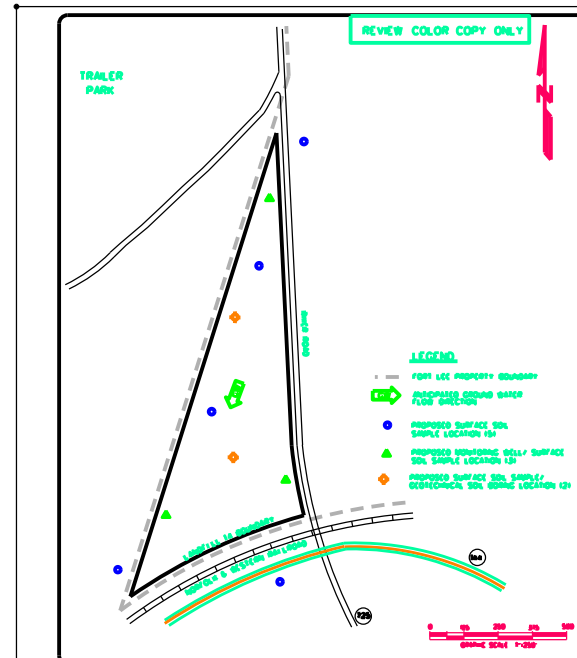
DRAWN BY B. J. WHITFIELD	DATE 1-05-97	 PROPOSED MONITORING WELL/ SURFACE SOIL SAMPLING LOCATIONS FORMER LANDFILL 14 ILL-41 SITE FORT LEE, VIRGINIA	DWG. NO.	FIG. 4-1	REV. 0
REVISED BY D. ASTI	DATE 4-15-97		APPROVED BY D. ASTI	DATE 6-09-97	
 PROPOSED MONITORING WELL/ SURFACE SOIL SAMPLING LOCATIONS FORMER LANDFILL 14 ILL-41 SITE FORT LEE, VIRGINIA			DWG. NO.	FIG. 4-1	REV. 0



DRAWN BY B. J. WHITFIELD	DATE 1-05-97	 PROPOSED SURFACE SOIL SAMPLING LOCATIONS FORMER LANDFILL 14 ILL-41 SITE FORT LEE, VIRGINIA	DWG. NO.	FIG. 4-1	REV. 0
REVISED BY D. ASTI	DATE 4-15-97		APPROVED BY D. ASTI	DATE 6-09-97	
 PROPOSED SURFACE SOIL SAMPLING LOCATIONS FORMER LANDFILL 14 ILL-41 SITE FORT LEE, VIRGINIA			DWG. NO.	FIG. 4-1	REV. 0



DRAWN BY B. J. WHITFIELD	DATE 1-05-97	 PROPOSED MONITORING WELL/ SURFACE SOIL SAMPLING LOCATIONS FORMER LANDFILL 14 ILL-41 SITE FORT LEE, VIRGINIA	DWG. NO.	FIG. 4-4	REV. 0
REVISED BY D. ASTI	DATE 4-15-97		APPROVED BY D. ASTI	DATE 6-09-97	
 PROPOSED MONITORING WELL/ SURFACE SOIL SAMPLING LOCATIONS FORMER LANDFILL 14 ILL-41 SITE FORT LEE, VIRGINIA			DWG. NO.	FIG. 4-4	REV. 0



DRAWN BY B. J. WHITFIELD	DATE 1-05-97	 PROPOSED SURFACE SOIL SAMPLING LOCATIONS FORMER LANDFILL 14 ILL-41 SITE FORT LEE, VIRGINIA	DWG. NO.	FIG. 4-6	REV. 0
REVISED BY D. ASTI	DATE 6-04-97		APPROVED BY D. ASTI	DATE 6-09-97	
 PROPOSED SURFACE SOIL SAMPLING LOCATIONS FORMER LANDFILL 14 ILL-41 SITE FORT LEE, VIRGINIA			DWG. NO.	FIG. 4-6	REV. 0

groundwater						
	bis(2-Ethylhexyl)phthalate	Butylbenzylphthalate				
LL4MW1502			2			
LL4MW1503D	5					
ug/l						
surface soils						
	Benzoic acid	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	bis(2-Ethylhexyl)phthalate	
LL4SS1505(0.5)						63
LL4SS1505(0.5)D		40	44	72		110
LL4SS1507(0.5)						
LL4SS1510(0.5)	1300					
	Butylbenzylphthalate	Chrysene	Diethylphthalate	Fluoranthene	Phenanthrene	Pyrene
LL4SS1505(0.5)	140					
LL4SS1505(0.5)D		51		63	48	69
LL4SS1507(0.5)			120			
LL4SS1510(0.5)						
ug/kg						
subsurface soils						
	bis(2-Ethylhexyl)phthalate					
LL4MS1503(4)	120					
LL4SB1502(6)	47					
ug/kg						
surface water						
	bis(2-Ethylhexyl)phthalate					
LL4SW1501	7					
LL4SW1502	28					
LL4SW1503	10					
LL4SW1503D	2					
ug/l						

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4MW1501	9709G78901	09/04/97	09/22/97	09/22/97	E130.1	WATER	Hardness by EDTA	19.1	MG/L	1		
LL4MW1502	9709G78902	09/04/97	09/22/97	09/22/97	E130.1	WATER	Hardness by EDTA	36.2	MG/L	1		
LL4MW1503	9709G78903	09/04/97	09/22/97	09/22/97	E130.1	WATER	Hardness by EDTA	38.2	MG/L	1		
LL4MW1503	9709G78903	09/04/97	09/18/97	09/19/97	E415.1	WATER	Total Organic Carbon	2.2	MG/L	1		
LL4MW1503	9709G78903	09/04/97	09/18/97	09/19/97	E415.1	WATER	TOC Test 2	2.3	MG/L	1		
LL4MW1503D	9709G78904	09/04/97	09/22/97	09/22/97	E130.1	WATER	Hardness by EDTA	42.2	MG/L	1		
LL4MW1503D	9709G78904	09/04/97	09/18/97	09/19/97	E415.1	WATER	Total Organic Carbon	2.4	MG/L	1		
LL4MW1503D	9709G78904	09/04/97	09/18/97	09/19/97	E415.1	WATER	TOC Test 2	2.3	MG/L	1		
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SW1504	9708G64901	08/26/97	09/08/97	09/08/97	E130.1	WATER	Hardness by EDTA	106	MG/L	1		
LL4SW1504	9708G64901	08/26/97	09/26/97	09/26/97	E415.1	WATER	Total Organic Carbon	34.3	MG/L	10		
LL4SW1504	9708G64901	08/26/97	09/26/97	09/26/97	E415.1	WATER	TOC Test 2	34.3	MG/L	10		
LL4SW1503	9708G64902	08/26/97	09/08/97	09/08/97	E130.1	WATER	Hardness by EDTA	45.2	MG/L	1		
LL4SW1503	9708G64902	08/26/97	09/18/97	09/18/97	E415.1	WATER	Total Organic Carbon	16.3	MG/L	1		
LL4SW1503	9708G64902	08/26/97	09/18/97	09/18/97	E415.1	WATER	TOC Test 2	16.4	MG/L	1		
LL4SW1503D	9708G64903	08/26/97	09/08/97	09/08/97	E130.1	WATER	Hardness by EDTA	568	MG/L	1		
LL4SW1503D	9708G64903	08/26/97	09/18/97	09/18/97	E415.1	WATER	Total Organic Carbon	4.2	MG/L	1		
LL4SW1503D	9708G64903	08/26/97	09/18/97	09/18/97	E415.1	WATER	TOC Test 2	4.1	MG/L	1		
LL4SW1502	9708G64904	08/26/97	09/08/97	09/08/97	E130.1	WATER	Hardness by EDTA	75.4	MG/L	1		
LL4SW1502	9708G64904	08/26/97	09/26/97	09/26/97	E415.1	WATER	Total Organic Carbon	32.5	MG/L	5		
LL4SW1502	9708G64904	08/26/97	09/26/97	09/26/97	E415.1	WATER	TOC Test 2	32.8	MG/L	5		
LL4SW1501	9708G64905	08/26/97	09/08/97	09/08/97	E130.1	WATER	Hardness by EDTA	95.5	MG/L	1		
LL4SW1501	9708G64905	08/26/97	09/18/97	09/18/97	E415.1	WATER	Total Organic Carbon	4.2	MG/L	1		
LL4SW1501	9708G64905	08/26/97	09/18/97	09/18/97	E415.1	WATER	TOC Test 2	3.7	MG/L	1		

groundwater

	Hardness by EDTA	Total Organic Carbon
LL4MW1501	19.1	
LL4MW1502	36.2	
LL4MW1503	38.2	2.2
LL4MW1503D	42.2	2.4

mg/l

surface water

	Hardness by EDTA	Total Organic Carbon
LL4SW1501	95.5	4.2
LL4SW1502	75.4	32.5
LL4SW1503	45.2	16.3
LL4SW1503D	56.8	4.2
LL4SW1504	106	34.3

mg/l

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Aluminum, Total	12200	UG/L	28.6		7429-90-5
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Arsenic, Total	4.8	UG/L	2.5		7440-38-2
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Barium, Total	316	UG/L	0.3		7440-39-3
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Beryllium, Total	0.89	UG/L	0.3		7440-41-7
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Calcium, Total	3940	UG/L	28.7		7440-70-2
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Cobalt, Total	2.9	UG/L	0.7		7440-48-4
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Chromium, Total	16.4	UG/L	0.7		7440-47-3
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Copper, Total	14.5	UG/L	0.5		7440-50-8
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Iron, Total	30300	UG/L	16.1		7439-89-6
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Potassium, Total	4400	UG/L	20.6		7440-09-7
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Magnesium, Total	2450	UG/L	28.6		7439-95-4
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Manganese, Total	37	UG/L	0.6		7439-96-5
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Sodium, Total	4540	UG/L	205		7440-23-5
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Nickel, Total	1	UG/L	0.8		7440-02-0
LL4MW1501	9709G789-0	09/04/97	09/19/97	09/19/97		WATER	Lead, Total	20	UG/L	1		7439-92-1
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Vanadium, Total	45.9	UG/L	0.8		7440-62-2
LL4MW1501	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Zinc, Total	23.7	UG/L	0.4		7440-66-6
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Aluminum, Total	24100	UG/L	28.6		7429-90-5
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Arsenic, Total	48.8	UG/L	2.5		7440-38-2
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Barium, Total	273	UG/L	0.3		7440-39-3
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Beryllium, Total	2.8	UG/L	0.3		7440-41-7
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Calcium, Total	6860	UG/L	28.7		7440-70-2
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Cobalt, Total	38.2	UG/L	0.7		7440-48-4
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Chromium, Total	43.3	UG/L	0.7		7440-47-3
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Copper, Total	59.6	UG/L	0.5		7440-50-8
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Iron, Total	49100	UG/L	16.1		7439-89-6
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Potassium, Total	6820	UG/L	20.6		7440-09-7
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Magnesium, Total	3550	UG/L	28.6		7439-95-4
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Manganese, Total	169	UG/L	0.6		7439-96-5
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Sodium, Total	3930	UG/L	205		7440-23-5
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Nickel, Total	24.3	UG/L	0.8		7440-02-0
LL4MW1502	9709G789-0	09/04/97	09/19/97	09/19/97		WATER	Lead, Total	21.2	UG/L	1		7439-92-1
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Selenium, Total	23	UG/L	2.2		7782-49-2
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Vanadium, Total	157	UG/L	0.8		7440-62-2
LL4MW1502	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Zinc, Total	108	UG/L	0.4		7440-66-6
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Aluminum, Total	8680	UG/L	28.6		7429-90-5
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Barium, Total	146	UG/L	0.3		7440-39-3
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Beryllium, Total	1	UG/L	0.3		7440-41-7
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Calcium, Total	9160	UG/L	28.7		7440-70-2
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Cobalt, Total	40.2	UG/L	0.7		7440-48-4
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Chromium, Total	12.8	UG/L	0.7		7440-47-3
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Copper, Total	9.2	UG/L	0.5		7440-50-8
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Iron, Total	12600	UG/L	16.1		7439-89-6
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Potassium, Total	3940	UG/L	20.6		7440-09-7
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Magnesium, Total	1990	UG/L	28.6		7439-95-4
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Manganese, Total	670	UG/L	0.6		7439-96-5
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Sodium, Total	4330	UG/L	205		7440-23-5
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Nickel, Total	4.3	UG/L	0.8		7440-02-0
LL4MW1503	9709G789-0	09/04/97	09/19/97	09/19/97		WATER	Lead, Total	21.2	UG/L	1		7439-92-1
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Selenium, Total	2.3	UG/L	2.2		7782-49-2

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Vanadium, Total	27.1	UG/L	0.8		7440-62-2
LL4MW1503	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Zinc, Total	28.9	UG/L	0.4		7440-66-6
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Silver, Total	9.8	UG/L	0.6		7440-22-4
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Aluminum, Total	11200	UG/L	28.6		7429-90-5
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Barium, Total	155	UG/L	0.3		7440-39-3
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Beryllium, Total	1.1	UG/L	0.3		7440-41-7
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Calcium, Total	9110	UG/L	28.7		7440-70-2
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Cobalt, Total	42.4	UG/L	0.7		7440-48-4
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Chromium, Total	15.9	UG/L	0.7		7440-47-3
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Copper, Total	10.7	UG/L	0.5		7440-50-8
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Iron, Total	14400	UG/L	16.1		7439-89-6
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Potassium, Total	3970	UG/L	20.6		7440-09-7
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Magnesium, Total	2050	UG/L	28.6		7439-95-4
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Manganese, Total	686	UG/L	0.6		7439-96-5
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Sodium, Total	4240	UG/L	205		7440-23-5
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Nickel, Total	3.8	UG/L	0.8		7440-02-0
LL4MW1503D	9709G789-0	09/04/97	09/19/97	09/19/97		WATER	Lead, Total	25.6	UG/L	1		7439-92-1
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Vanadium, Total	33.3	UG/L	0.8		7440-62-2
LL4MW1503D	9709G789-0	09/04/97	09/10/97	09/16/97		WATER	Zinc, Total	29.2	UG/L	0.4		7440-66-6

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Aluminum, Total	5780	MG/KG	1.7		7429-90-5
LL4SS1504(0.5)	9709G76501	09/02/97	09/23/97	09/24/97	SW7060	SOIL	Arsenic, Total	0.81	MG/KG	0.12		7440-38-2
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Barium, Total	9.6	MG/KG	0.02		7440-39-3
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Beryllium, Total	0.23	MG/KG	0.02		7440-41-7
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Calcium, Total	64.4	MG/KG	1.7		7440-70-2
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Cobalt, Total	3.4	MG/KG	0.04		7440-48-4
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Chromium, Total	4.9	MG/KG	0.04		7440-47-3
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Copper, Total	4.3	MG/KG	0.03		7440-50-8
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Iron, Total	3620	MG/KG	0.96		7439-89-6
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Potassium, Total	205	MG/KG	1.2		7440-09-7
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Magnesium, Total	138	MG/KG	1.7		7439-95-4
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Manganese, Total	99.6	MG/KG	0.04		7439-96-5
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Sodium, Total	86.4	MG/KG	12.3		7440-23-5
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Nickel, Total	1.1	MG/KG	0.05		7440-02-0
LL4SS1504(0.5)	9709G76501	09/02/97	09/23/97	09/24/97	SW7421	SOIL	Lead, Total	9.5	MG/KG	0.46		7439-92-1
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Selenium, Total	0.2	MG/KG	0.13		7782-49-2
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Vanadium, Total	12.1	MG/KG	0.05		7440-62-2
LL4SS1504(0.5)	9709G76501	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Zinc, Total	6.3	MG/KG	0.02		7440-66-6
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Aluminum, Total	3880	MG/KG	1.6		7429-90-5
LL4SS1505(0.5)	9709G76502	09/02/97	09/23/97	09/24/97	SW7060	SOIL	Arsenic, Total	0.95	MG/KG	0.13		7440-38-2
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Barium, Total	15.8	MG/KG	0.02		7440-39-3
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Beryllium, Total	0.17	MG/KG	0.02		7440-41-7
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Calcium, Total	754	MG/KG	1.6		7440-70-2
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Cadmium, Total	0.07	MG/KG	0.02		7440-43-9
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Cobalt, Total	1.4	MG/KG	0.04		7440-48-4
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Chromium, Total	11.1	MG/KG	0.04		7440-47-3
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Copper, Total	4	MG/KG	0.03		7440-50-8
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Iron, Total	6320	MG/KG	0.89		7439-89-6
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Potassium, Total	488	MG/KG	1.1		7440-09-7

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Magnesium, Total	446	MG/KG	1.6		7439-95-4
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Manganese, Total	58.5	MG/KG	0.03		7439-96-5
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Sodium, Total	104	MG/KG	11.3		7440-23-5
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Nickel, Total	1.9	MG/KG	0.04		7440-02-0
LL4SS1505(0.5)	9709G76502	09/02/97	09/23/97	09/24/97	SW7421	SOIL	Lead, Total	54.7	MG/KG	2.1		7439-92-1
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Vanadium, Total	18.6	MG/KG	0.04		7440-62-2
LL4SS1505(0.5)	9709G76502	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Zinc, Total	49.8	MG/KG	0.02		7440-66-6
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Aluminum, Total	5130	MG/KG	1.4		7429-90-5
LL4SS1506(0.5)	9709G76503	09/02/97	09/23/97	09/29/97	SW7060	SOIL	Arsenic, Total	0.79	MG/KG	0.13		7440-38-2
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Barium, Total	15.6	MG/KG	0.01		7440-39-3
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Beryllium, Total	0.2	MG/KG	0.01		7440-41-7
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Calcium, Total	361	MG/KG	1.4		7440-70-2
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Cobalt, Total	0.83	MG/KG	0.03		7440-48-4
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Chromium, Total	4.8	MG/KG	0.03		7440-47-3
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Copper, Total	2.2	MG/KG	0.02		7440-50-8
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Iron, Total	2550	MG/KG	0.78		7439-89-6
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Potassium, Total	262	MG/KG	1		7440-09-7
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Magnesium, Total	239	MG/KG	1.4		7439-95-4
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Manganese, Total	21	MG/KG	0.03		7439-96-5
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Sodium, Total	61.9	MG/KG	9.9		7440-23-5
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Nickel, Total	1.7	MG/KG	0.04		7440-02-0
LL4SS1506(0.5)	9709G76503	09/02/97	09/23/97	09/24/97	SW7421	SOIL	Lead, Total	4.3	MG/KG	0.1		7439-92-1
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Vanadium, Total	10.2	MG/KG	0.04		7440-62-2
LL4SS1506(0.5)	9709G76503	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Zinc, Total	6.3	MG/KG	0.02		7440-66-6
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Aluminum, Total	3980	MG/KG	1.5		7429-90-5
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Barium, Total	14.4	MG/KG	0.02		7440-39-3
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Beryllium, Total	0.48	MG/KG	0.02		7440-41-7
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Calcium, Total	83.8	MG/KG	1.5		7440-70-2
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Cobalt, Total	0.57	MG/KG	0.04		7440-48-4
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Chromium, Total	5.8	MG/KG	0.04		7440-47-3
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Copper, Total	2.2	MG/KG	0.03		7440-50-8
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Iron, Total	4760	MG/KG	0.82		7439-89-6
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Potassium, Total	130	MG/KG	1.1		7440-09-7
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Magnesium, Total	112	MG/KG	1.5		7439-95-4
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Manganese, Total	17.7	MG/KG	0.03		7439-96-5
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Sodium, Total	109	MG/KG	10.5		7440-23-5
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Nickel, Total	1.6	MG/KG	0.04		7440-02-0
LL4SS1507(0.5)	9709G76504	09/02/97	09/23/97	09/24/97	SW7421	SOIL	Lead, Total	5.8	MG/KG	1.1		7439-92-1
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Selenium, Total	0.18	MG/KG	0.11		7782-49-2
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Vanadium, Total	9	MG/KG	0.04		7440-62-2
LL4SS1507(0.5)	9709G76504	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Zinc, Total	4.5	MG/KG	0.02		7440-66-6
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Aluminum, Total	5890	MG/KG	1.4		7429-90-5
LL4SS1508(0.5)	9709G76505	09/02/97	09/23/97	09/29/97	SW7060	SOIL	Arsenic, Total	0.69	MG/KG	0.12		7440-38-2
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Barium, Total	12.2	MG/KG	0.01		7440-39-3
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Beryllium, Total	0.11	MG/KG	0.01		7440-41-7
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Calcium, Total	208	MG/KG	1.4		7440-70-2
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Cobalt, Total	0.96	MG/KG	0.03		7440-48-4
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Chromium, Total	6.1	MG/KG	0.03		7440-47-3
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Copper, Total	2.6	MG/KG	0.02		7440-50-8
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Iron, Total	3650	MG/KG	0.78		7439-89-6

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Potassium, Total	166	MG/KG	0.99		7440-09-7
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Magnesium, Total	141	MG/KG	1.4		7439-95-4
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Manganese, Total	109	MG/KG	0.03		7439-96-5
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Sodium, Total	77	MG/KG	9.9		7440-23-5
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Nickel, Total	1.6	MG/KG	0.04		7440-02-0
LL4SS1508(0.5)	9709G76505	09/02/97	09/23/97	09/24/97	SW7421	SOIL	Lead, Total	21.3	MG/KG	0.46		7439-92-1
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Selenium, Total	0.19	MG/KG	0.11		7782-49-2
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Vanadium, Total	15	MG/KG	0.04		7440-62-2
LL4SS1508(0.5)	9709G76505	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Zinc, Total	7.2	MG/KG	0.02		7440-66-6
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Aluminum, Total	18900	MG/KG	1.5		7429-90-5
LL4SS1509(0.5)	9709G76506	09/02/97	09/23/97	09/30/97	SW7060	SOIL	Arsenic, Total	1.3	MG/KG	0.64		7440-38-2
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Barium, Total	34.2	MG/KG	0.02		7440-39-3
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Beryllium, Total	0.25	MG/KG	0.02		7440-41-7
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Calcium, Total	864	MG/KG	1.5		7440-70-2
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Cadmium, Total	0.14	MG/KG	0.02		7440-43-9
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Cobalt, Total	2.5	MG/KG	0.04		7440-48-4
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Chromium, Total	21.5	MG/KG	0.04		7440-47-3
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Copper, Total	8	MG/KG	0.03		7440-50-8
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Iron, Total	16300	MG/KG	0.86		7439-89-6
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Potassium, Total	631	MG/KG	1.1		7440-09-7
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Magnesium, Total	622	MG/KG	1.5		7439-95-4
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Manganese, Total	38.8	MG/KG	0.03		7439-96-5
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Sodium, Total	187	MG/KG	10.9		7440-23-5
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Nickel, Total	5.4	MG/KG	0.04		7440-02-0
LL4SS1509(0.5)	9709G76506	09/02/97	09/23/97	09/24/97	SW7421	SOIL	Lead, Total	15.4	MG/KG	0.5		7439-92-1
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Vanadium, Total	40.2	MG/KG	0.04		7440-62-2
LL4SS1509(0.5)	9709G76506	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Zinc, Total	21.4	MG/KG	0.02		7440-66-6
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Aluminum, Total	5940	MG/KG	1.4		7429-90-5
LL4SS1510(0.5)	9709G76507	09/02/97	09/23/97	09/29/97	SW7060	SOIL	Arsenic, Total	1.4	MG/KG	0.14		7440-38-2
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Barium, Total	35.3	MG/KG	0.02		7440-39-3
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Beryllium, Total	0.24	MG/KG	0.02		7440-41-7
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Calcium, Total	173	MG/KG	1.4		7440-70-2
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Cobalt, Total	1.3	MG/KG	0.04		7440-48-4
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Chromium, Total	5.6	MG/KG	0.04		7440-47-3
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Copper, Total	2.6	MG/KG	0.03		7440-50-8
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Iron, Total	4070	MG/KG	0.81		7439-89-6
LL4SS1510(0.5)	9709G76507	09/02/97	09/19/97	09/19/97	SW7471	SOIL	Mercury, Total	0.05	MG/KG	0.04		7439-97-6
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Potassium, Total	212	MG/KG	1		7440-09-7
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Magnesium, Total	251	MG/KG	1.4		7439-95-4
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Manganese, Total	121	MG/KG	0.03		7439-96-5
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Sodium, Total	140	MG/KG	10.2		7440-23-5
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Nickel, Total	2.6	MG/KG	0.04		7440-02-0
LL4SS1510(0.5)	9709G76507	09/02/97	09/23/97	09/25/97	SW7421	SOIL	Lead, Total	29	MG/KG	2.1		7439-92-1
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Selenium, Total	0.45	MG/KG	0.11		7782-49-2
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Vanadium, Total	14	MG/KG	0.04		7440-62-2
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Zinc, Total	10.4	MG/KG	0.02		7440-66-6
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Aluminum, Total	4340	MG/KG	1.4		7429-90-5
LL4SS1505(0.5)D	9709G76508	09/02/97	09/23/97	09/29/97	SW7060	SOIL	Arsenic, Total	0.96	MG/KG	0.13		7440-38-2
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Barium, Total	18.7	MG/KG	0.02		7440-39-3
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Beryllium, Total	0.2	MG/KG	0.02		7440-41-7

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Calcium, Total	949	MG/KG	1.4		7440-70-2
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Cadmium, Total	0.12	MG/KG	0.02		7440-43-9
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Cobalt, Total	1.9	MG/KG	0.04		7440-48-4
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Chromium, Total	5.5	MG/KG	0.04		7440-47-3
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Copper, Total	4.6	MG/KG	0.03		7440-50-8
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Iron, Total	3950	MG/KG	0.81		7439-89-6
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Potassium, Total	360	MG/KG	1		7440-09-7
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Magnesium, Total	392	MG/KG	1.4		7439-95-4
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Manganese, Total	73.6	MG/KG	0.03		7439-96-5
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Sodium, Total	135	MG/KG	10.3		7440-23-5
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Nickel, Total	2.4	MG/KG	0.04		7440-02-0
LL4SS1505(0.5)D	9709G76508	09/02/97	09/23/97	09/25/97	SW7421	SOIL	Lead, Total	61.5	MG/KG	2		7439-92-1
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Selenium, Total	0.14	MG/KG	0.11		7782-49-2
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Vanadium, Total	12.6	MG/KG	0.04		7440-62-2
LL4SS1505(0.5)D	9709G76508	09/02/97	09/16/97	09/18/97	SW6010	SOIL	Zinc, Total	68	MG/KG	0.02		7440-66-6
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Aluminum, Total	2990	MG/KG	1.2		7429-90-5
LL4SS1501(0.5)	9708G65406	08/27/97	09/19/97	09/22/97	SW7060	SOIL	Arsenic, Total	2	MG/KG	0.06		7440-38-2
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Barium, Total	11.1	MG/KG	0.01		7440-39-3
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Beryllium, Total	0.12	MG/KG	0.01		7440-41-7
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Calcium, Total	149	MG/KG	1.2		7440-70-2
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Cobalt, Total	0.36	MG/KG	0.03		7440-48-4
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Chromium, Total	3.2	MG/KG	0.03		7440-47-3
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Copper, Total	2.9	MG/KG	0.02		7440-50-8
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Iron, Total	5160	MG/KG	0.69		7439-89-6
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Potassium, Total	151	MG/KG	0.88		7440-09-7
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Magnesium, Total	109	MG/KG	1.2		7439-95-4
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Manganese, Total	5.9	MG/KG	0.03		7439-96-5
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Sodium, Total	68.2	MG/KG	8.7		7440-23-5
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Nickel, Total	0.33	MG/KG	0.03		7440-02-0
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Lead, Total	6.6	MG/KG	0.06		7439-92-1
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Selenium, Total	0.2	MG/KG	0.09		7782-49-2
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Vanadium, Total	8.7	MG/KG	0.03		7440-62-2
LL4SS1501(0.5)	9708G65406	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Zinc, Total	5.9	MG/KG	0.02		7440-66-6
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Aluminum, Total	3010	MG/KG	1.3		7429-90-5
LL4SS1502(0.5)	9708G65407	08/27/97	09/19/97	09/22/97	SW7060	SOIL	Arsenic, Total	1.5	MG/KG	0.06		7440-38-2
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Barium, Total	12.2	MG/KG	0.01		7440-39-3
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Beryllium, Total	0.11	MG/KG	0.01		7440-41-7
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Calcium, Total	83.4	MG/KG	1.3		7440-70-2
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Cobalt, Total	1.4	MG/KG	0.03		7440-48-4
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Chromium, Total	3	MG/KG	0.03		7440-47-3
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Copper, Total	2.7	MG/KG	0.02		7440-50-8
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Iron, Total	3260	MG/KG	0.75		7439-89-6
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Potassium, Total	155	MG/KG	0.96		7440-09-7
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Magnesium, Total	110	MG/KG	1.3		7439-95-4
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Manganese, Total	43.7	MG/KG	0.03		7439-96-5
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Sodium, Total	66.1	MG/KG	9.5		7440-23-5
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Nickel, Total	0.4	MG/KG	0.04		7440-02-0
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Lead, Total	9.8	MG/KG	0.07		7439-92-1
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Selenium, Total	0.23	MG/KG	0.1		7782-49-2
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Vanadium, Total	9.3	MG/KG	0.04		7440-62-2

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SS1502(0.5)	9708G65407	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Zinc, Total	3.9	MG/KG	0.02		7440-66-6
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Aluminum, Total	6160	MG/KG	1.5		7429-90-5
LL4SS1503(0.5)	9708G65408	08/27/97	09/19/97	09/22/97	SW7060	SOIL	Arsenic, Total	1.4	MG/KG	0.07		7440-38-2
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Barium, Total	13.8	MG/KG	0.02		7440-39-3
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Beryllium, Total	0.2	MG/KG	0.02		7440-41-7
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Calcium, Total	65	MG/KG	1.6		7440-70-2
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Cobalt, Total	2.9	MG/KG	0.04		7440-48-4
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Chromium, Total	5	MG/KG	0.04		7440-47-3
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Copper, Total	3	MG/KG	0.03		7440-50-8
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Iron, Total	3860	MG/KG	0.87		7439-89-6
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Potassium, Total	162	MG/KG	1.1		7440-09-7
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Magnesium, Total	124	MG/KG	1.5		7439-95-4
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Manganese, Total	94.6	MG/KG	0.03		7439-96-5
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Sodium, Total	62.5	MG/KG	11.1		7440-23-5
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Nickel, Total	0.87	MG/KG	0.04		7440-02-0
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Lead, Total	8.4	MG/KG	0.08		7439-92-1
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Selenium, Total	0.17	MG/KG	0.12		7782-49-2
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Vanadium, Total	13.3	MG/KG	0.04		7440-62-2
LL4SS1503(0.5)	9708G65408	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Zinc, Total	4.9	MG/KG	0.02		7440-66-6
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Aluminum, Total	5460	MG/KG	1.4		7429-90-5
LL4SS1503(0.5)D	9708G65409	08/27/97	09/19/97	09/22/97	SW7060	SOIL	Arsenic, Total	1.1	MG/KG	0.06		7440-38-2
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Barium, Total	15.9	MG/KG	0.02		7440-39-3
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Beryllium, Total	0.18	MG/KG	0.02		7440-41-7
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Calcium, Total	55.2	MG/KG	1.4		7440-70-2
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Cobalt, Total	2.5	MG/KG	0.04		7440-48-4
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Chromium, Total	4.3	MG/KG	0.04		7440-47-3
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Copper, Total	2.8	MG/KG	0.03		7440-50-8
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Iron, Total	3580	MG/KG	0.81		7439-89-6
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Potassium, Total	138	MG/KG	1		7440-09-7
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Magnesium, Total	100	MG/KG	1.4		7439-95-4
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Manganese, Total	86	MG/KG	0.03		7439-96-5
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Sodium, Total	57.6	MG/KG	10.3		7440-23-5
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Nickel, Total	0.66	MG/KG	0.04		7440-02-0
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Lead, Total	6	MG/KG	0.08		7439-92-1
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Selenium, Total	0.2	MG/KG	0.11		7782-49-2
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Vanadium, Total	12.6	MG/KG	0.04		7440-62-2
LL4SS1503(0.5)D	9708G65409	08/27/97	09/10/97	09/16/97	SW6010	SOIL	Zinc, Total	4.8	MG/KG	0.02		7440-66-6

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Aluminum, Total	6640	MG/KG	2.7		7429-90-5
LL4SD1504	9708G65401	08/26/97	09/19/97	09/22/97	SW7060	SOIL	Arsenic, Total	0.91	MG/KG	0.13		7440-38-2
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Barium, Total	93.1	MG/KG	0.03		7440-39-3
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Beryllium, Total	0.19	MG/KG	0.03		7440-41-7
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Calcium, Total	1040	MG/KG	2.7		7440-70-2
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Cobalt, Total	1.7	MG/KG	0.07		7440-48-4
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Chromium, Total	6.8	MG/KG	0.07		7440-47-3
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Copper, Total	3	MG/KG	0.05		7440-50-8
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Iron, Total	48500	MG/KG	1.5		7439-89-6
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Potassium, Total	219	MG/KG	1.9		7440-09-7
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Magnesium, Total	217	MG/KG	2.7		7439-95-4

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Manganese, Total	201	MG/KG	0.06		7439-96-5
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Sodium, Total	136	MG/KG	19.2		7440-23-5
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Nickel, Total	1.1	MG/KG	0.07		7440-02-0
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Lead, Total	11.6	MG/KG	0.14		7439-92-1
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Antimony, Total	0.3	MG/KG	0.18		7440-36-0
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Selenium, Total	0.66	MG/KG	0.21		7782-49-2
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Vanadium, Total	14.1	MG/KG	0.07		7440-62-2
LL4SD1504	9708G65401	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Zinc, Total	12.5	MG/KG	0.04		7440-66-6
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Aluminum, Total	929	MG/KG	1.7		7429-90-5
LL4SD1503	9708G65402	08/26/97	09/19/97	09/22/97	SW7060	SOIL	Arsenic, Total	0.14	MG/KG	0.07		7440-38-2
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Barium, Total	9.6	MG/KG	0.02		7440-39-3
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Beryllium, Total	0.12	MG/KG	0.02		7440-41-7
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Calcium, Total	197	MG/KG	1.7		7440-70-2
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Cobalt, Total	0.71	MG/KG	0.04		7440-48-4
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Chromium, Total	1.8	MG/KG	0.04		7440-47-3
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Copper, Total	1.4	MG/KG	0.03		7440-50-8
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Iron, Total	1540	MG/KG	0.93		7439-89-6
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Potassium, Total	74.3	MG/KG	1.2		7440-09-7
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Magnesium, Total	86.3	MG/KG	1.7		7439-95-4
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Manganese, Total	20.8	MG/KG	0.03		7439-96-5
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Sodium, Total	31.1	MG/KG	11.8		7440-23-5
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Nickel, Total	0.31	MG/KG	0.05		7440-02-0
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Lead, Total	5	MG/KG	0.09		7439-92-1
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Vanadium, Total	2.8	MG/KG	0.05		7440-62-2
LL4SD1503	9708G65402	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Zinc, Total	5.6	MG/KG	0.02		7440-66-6
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Aluminum, Total	975	MG/KG	1.6		7429-90-5
LL4SD1502	9708G65403	08/26/97	09/19/97	09/22/97	SW7060	SOIL	Arsenic, Total	0.13	MG/KG	0.08		7440-38-2
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Barium, Total	9.4	MG/KG	0.02		7440-39-3
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Beryllium, Total	0.11	MG/KG	0.02		7440-41-7
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Calcium, Total	194	MG/KG	1.6		7440-70-2
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Cobalt, Total	0.55	MG/KG	0.04		7440-48-4
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Chromium, Total	1.4	MG/KG	0.04		7440-47-3
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Copper, Total	1.3	MG/KG	0.03		7440-50-8
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Iron, Total	1130	MG/KG	0.89		7439-89-6
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Potassium, Total	140	MG/KG	1.1		7440-09-7
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Magnesium, Total	128	MG/KG	1.6		7439-95-4
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Manganese, Total	11.5	MG/KG	0.03		7439-96-5
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Sodium, Total	37.2	MG/KG	11.3		7440-23-5
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Nickel, Total	0.44	MG/KG	0.04		7440-02-0
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Lead, Total	4.4	MG/KG	0.08		7439-92-1
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Selenium, Total	0.18	MG/KG	0.12		7782-49-2
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Vanadium, Total	2.5	MG/KG	0.04		7440-62-2
LL4SD1502	9708G65403	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Zinc, Total	7.3	MG/KG	0.02		7440-66-6
LL4SD1501	9708G65404	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Aluminum, Total	4540	MG/KG	6		7429-90-5
LL4SD1501	9708G65404	08/26/97	09/19/97	09/22/97	SW7060	SOIL	Arsenic, Total	1	MG/KG	0.27		7440-38-2
LL4SD1501	9708G65404	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Barium, Total	267	MG/KG	0.06		7440-39-3
LL4SD1501	9708G65404	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Beryllium, Total	1.2	MG/KG	0.06		7440-41-7
LL4SD1501	9708G65404	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Calcium, Total	5960	MG/KG	6.1		7440-70-2
LL4SD1501	9708G65404	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Cobalt, Total	3.4	MG/KG	0.15		7440-48-4
LL4SD1501	9708G65404	08/26/97	09/10/97	09/16/97	SW6010	SOIL	Chromium, Total	17	MG/KG	0.15		7440-47-3

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4MS1502(8)	9708G51202	08/20/97	09/18/97	09/22/97	SW7060	SOIL	Arsenic, Total	0.62	MG/KG	0.08		7440-38-2
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Barium, Total	21.2	MG/KG	0.02		7440-39-3
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Beryllium, Total	0.27	MG/KG	0.02		7440-41-7
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Calcium, Total	675	MG/KG	1.6		7440-70-2
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Cobalt, Total	0.69	MG/KG	0.04		7440-48-4
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Chromium, Total	8	MG/KG	0.04		7440-47-3
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Copper, Total	2.7	MG/KG	0.03		7440-50-8
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Iron, Total	3480	MG/KG	0.87		7439-89-6
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Potassium, Total	165	MG/KG	1.1		7440-09-7
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Magnesium, Total	237	MG/KG	1.5		7439-95-4
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Manganese, Total	9.7	MG/KG	0.03		7439-96-5
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Sodium, Total	69.3	MG/KG	11.1		7440-23-5
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Nickel, Total	1.1	MG/KG	0.04		7440-02-0
LL4MS1502(8)	9708G51202	08/20/97	09/11/97	09/16/97	SW6010	SOIL	Lead, Total	2	MG/KG	0.08		7439-92-1
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Antimony, Total	0.16	MG/KG	0.1		7440-36-0
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Vanadium, Total	12.6	MG/KG	0.04		7440-62-2
LL4MS1502(8)	9708G51202	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Zinc, Total	3.4	MG/KG	0.02		7440-66-6
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Aluminum, Total	2930	MG/KG	1.5		7429-90-5
LL4MS1503(4)	9708G51203	08/21/97	09/18/97	09/22/97	SW7060	SOIL	Arsenic, Total	0.09	MG/KG	0.07		7440-38-2
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Barium, Total	12.4	MG/KG	0.02		7440-39-3
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Beryllium, Total	0.21	MG/KG	0.02		7440-41-7
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Calcium, Total	142	MG/KG	1.5		7440-70-2
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Cobalt, Total	0.42	MG/KG	0.04		7440-48-4
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Chromium, Total	4.3	MG/KG	0.04		7440-47-3
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Copper, Total	0.74	MG/KG	0.03		7440-50-8
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Iron, Total	695	MG/KG	0.86		7439-89-6
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Potassium, Total	92.2	MG/KG	1.1		7440-09-7
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Magnesium, Total	98.4	MG/KG	1.5		7439-95-4
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Manganese, Total	15.4	MG/KG	0.03		7439-96-5
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Sodium, Total	71	MG/KG	10.9		7440-23-5
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Nickel, Total	1	MG/KG	0.04		7440-02-0
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Lead, Total	3.8	MG/KG	0.08		7439-92-1
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Antimony, Total	0.22	MG/KG	0.1		7440-36-0
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Selenium, Total	0.29	MG/KG	0.12		7782-49-2
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Vanadium, Total	2.8	MG/KG	0.04		7440-62-2
LL4MS1503(4)	9708G51203	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Zinc, Total	2	MG/KG	0.02		7440-66-6
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Aluminum, Total	7260	MG/KG	1.5		7429-90-5
LL4MS1503(4)D	9708G51204	08/21/97	09/18/97	09/23/97	SW7060	SOIL	Arsenic, Total	0.3	MG/KG	0.15		7440-38-2
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Barium, Total	12.6	MG/KG	0.02		7440-39-3
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Beryllium, Total	0.14	MG/KG	0.02		7440-41-7
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Calcium, Total	134	MG/KG	1.5		7440-70-2
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Cobalt, Total	1.4	MG/KG	0.04		7440-48-4
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Chromium, Total	7.3	MG/KG	0.04		7440-47-3
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Copper, Total	1.4	MG/KG	0.03		7440-50-8
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Iron, Total	3300	MG/KG	0.85		7439-89-6
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Potassium, Total	147	MG/KG	1.1		7440-09-7
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Magnesium, Total	142	MG/KG	1.5		7439-95-4
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Manganese, Total	36.9	MG/KG	0.03		7439-96-5
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Sodium, Total	54.2	MG/KG	10.8		7440-23-5
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Nickel, Total	1.3	MG/KG	0.04		7440-02-0

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Lead, Total	6.1	MG/KG	0.08		7439-92-1
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Antimony, Total	0.14	MG/KG	0.1		7440-36-0
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Vanadium, Total	10.4	MG/KG	0.04		7440-62-2
LL4MS1503(4)D	9708G51204	08/21/97	08/29/97	09/03/97	SW6010	SOIL	Zinc, Total	3.3	MG/KG	0.02		7440-66-6
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Aluminum, Total	7540	MG/KG	1.6		7429-90-5
LL4SB1501(8)	9708G51205	08/20/97	09/18/97	09/22/97	SW7060	SOIL	Arsenic, Total	0.29	MG/KG	0.07		7440-38-2
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Barium, Total	7.8	MG/KG	0.02		7440-39-3
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Beryllium, Total	0.15	MG/KG	0.02		7440-41-7
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Calcium, Total	40.3	MG/KG	1.6		7440-70-2
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Cobalt, Total	2.4	MG/KG	0.04		7440-48-4
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Chromium, Total	5.5	MG/KG	0.04		7440-47-3
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Copper, Total	2.1	MG/KG	0.03		7440-50-8
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Iron, Total	15400	MG/KG	0.91		7439-89-6
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Potassium, Total	150	MG/KG	1.2		7440-09-7
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Magnesium, Total	107	MG/KG	1.6		7439-95-4
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Manganese, Total	44.8	MG/KG	0.03		7439-96-5
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Sodium, Total	49.1	MG/KG	11.5		7440-23-5
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Nickel, Total	1	MG/KG	0.04		7440-02-0
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Lead, Total	3.1	MG/KG	0.08		7439-92-1
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Vanadium, Total	8.5	MG/KG	0.04		7440-62-2
LL4SB1501(8)	9708G51205	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Zinc, Total	3.2	MG/KG	0.02		7440-66-6
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Aluminum, Total	1080	MG/KG	1.6		7429-90-5
LL4SB1502(6)	9708G51206	08/20/97	09/18/97	09/22/97	SW7060	SOIL	Arsenic, Total	0.48	MG/KG	0.07		7440-38-2
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Barium, Total	15.8	MG/KG	0.02		7440-39-3
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Beryllium, Total	0.23	MG/KG	0.02		7440-41-7
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Calcium, Total	116	MG/KG	1.6		7440-70-2
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Cobalt, Total	2.5	MG/KG	0.04		7440-48-4
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Chromium, Total	2.4	MG/KG	0.04		7440-47-3
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Copper, Total	3.4	MG/KG	0.03		7440-50-8
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Iron, Total	2210	MG/KG	0.88		7439-89-6
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Potassium, Total	181	MG/KG	1.1		7440-09-7
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Magnesium, Total	97.4	MG/KG	1.6		7439-95-4
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Manganese, Total	63.3	MG/KG	0.03		7439-96-5
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Sodium, Total	79.6	MG/KG	11.1		7440-23-5
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Nickel, Total	0.37	MG/KG	0.04		7440-02-0
LL4SB1502(6)	9708G51206	08/20/97	09/11/97	09/16/97	SW6010	SOIL	Lead, Total	2.9	MG/KG	0.09		7439-92-1
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Vanadium, Total	7.4	MG/KG	0.04		7440-62-2
LL4SB1502(6)	9708G51206	08/20/97	08/29/97	09/03/97	SW6010	SOIL	Zinc, Total	1.9	MG/KG	0.02		7440-66-6
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Silver, Total	1.1	UG/L	0.6		7440-22-4
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Aluminum, Total	901	UG/L	28.6		7429-90-5
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Barium, Total	1170	UG/L	0.3		7440-39-3
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Calcium, Total	38900	UG/L	28.7		7440-70-2
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Cobalt, Total	4.2	UG/L	0.7		7440-48-4
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Chromium, Total	3	UG/L	0.7		7440-47-3
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Copper, Total	4.4	UG/L	0.5		7440-50-8
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Iron, Total	436000	UG/L	16.1		7439-89-6
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Potassium, Total	3880	UG/L	20.6		7440-09-7
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Magnesium, Total	3570	UG/L	28.6		7439-95-4

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Manganese, Total	4690	UG/L	0.6		7439-96-5
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Sodium, Total	5180	UG/L	205		7440-23-5
LL4SW1504	9708G64901	08/26/97	09/19/97	09/19/97	SW7421	WATER	Lead, Total	13.6	UG/L	1		7439-92-1
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Antimony, Total	2.9	UG/L	1.9		7440-36-0
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Selenium, Total	6.2	UG/L	2.2		7782-49-2
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Vanadium, Total	6.8	UG/L	0.8		7440-62-2
LL4SW1504	9708G64901	08/26/97	09/10/97	09/16/97	SW6010	WATER	Zinc, Total	19.6	UG/L	0.4		7440-66-6
LL4SW1503	9708G64902	08/26/97	09/10/97	09/16/97	SW6010	WATER	Aluminum, Total	1040	UG/L	28.6		7429-90-5
LL4SW1503	9708G64902	08/26/97	09/10/97	09/16/97	SW6010	WATER	Barium, Total	92.8	UG/L	0.3		7440-39-3
LL4SW1503	9708G64902	08/26/97	09/10/97	09/16/97	SW6010	WATER	Calcium, Total	9840	UG/L	28.7		7440-70-2
LL4SW1503	9708G64902	08/26/97	09/10/97	09/16/97	SW6010	WATER	Cobalt, Total	2.6	UG/L	0.7		7440-48-4
LL4SW1503	9708G64902	08/26/97	09/10/97	09/16/97	SW6010	WATER	Chromium, Total	2.6	UG/L	0.7		7440-47-3
LL4SW1503	9708G64902	08/26/97	09/10/97	09/16/97	SW6010	WATER	Copper, Total	3.1	UG/L	0.5		7440-50-8
LL4SW1503	9708G64902	08/26/97	09/10/97	09/16/97	SW6010	WATER	Iron, Total	9040	UG/L	16.1		7439-89-6
LL4SW1503	9708G64902	08/26/97	09/10/97	09/16/97	SW6010	WATER	Potassium, Total	3390	UG/L	20.6		7440-09-7
LL4SW1503	9708G64902	08/26/97	09/10/97	09/16/97	SW6010	WATER	Magnesium, Total	3270	UG/L	28.6		7439-95-4
LL4SW1503	9708G64902	08/26/97	09/10/97	09/16/97	SW6010	WATER	Manganese, Total	281	UG/L	0.6		7439-96-5
LL4SW1503	9708G64902	08/26/97	09/10/97	09/16/97	SW6010	WATER	Sodium, Total	9140	UG/L	205		7440-23-5
LL4SW1503	9708G64902	08/26/97	09/19/97	09/19/97	SW7421	WATER	Lead, Total	7.7	UG/L	1		7439-92-1
LL4SW1503	9708G64902	08/26/97	09/10/97	09/16/97	SW6010	WATER	Vanadium, Total	4.7	UG/L	0.8		7440-62-2
LL4SW1503	9708G64902	08/26/97	09/10/97	09/16/97	SW6010	WATER	Zinc, Total	23.3	UG/L	0.4		7440-66-6
LL4SW1503D	9708G64903	08/26/97	09/10/97	09/16/97	SW6010	WATER	Aluminum, Total	112	UG/L	28.6		7429-90-5
LL4SW1503D	9708G64903	08/26/97	09/10/97	09/16/97	SW6010	WATER	Barium, Total	78.9	UG/L	0.3		7440-39-3
LL4SW1503D	9708G64903	08/26/97	09/10/97	09/16/97	SW6010	WATER	Calcium, Total	9300	UG/L	28.7		7440-70-2
LL4SW1503D	9708G64903	08/26/97	09/10/97	09/16/97	SW6010	WATER	Cobalt, Total	1	UG/L	0.7		7440-48-4
LL4SW1503D	9708G64903	08/26/97	09/10/97	09/16/97	SW6010	WATER	Chromium, Total	1.6	UG/L	0.7		7440-47-3
LL4SW1503D	9708G64903	08/26/97	09/10/97	09/16/97	SW6010	WATER	Copper, Total	0.72	UG/L	0.5		7440-50-8
LL4SW1503D	9708G64903	08/26/97	09/10/97	09/16/97	SW6010	WATER	Iron, Total	5770	UG/L	16.1		7439-89-6
LL4SW1503D	9708G64903	08/26/97	09/10/97	09/16/97	SW6010	WATER	Potassium, Total	3230	UG/L	20.6		7440-09-7
LL4SW1503D	9708G64903	08/26/97	09/10/97	09/16/97	SW6010	WATER	Magnesium, Total	3100	UG/L	28.6		7439-95-4
LL4SW1503D	9708G64903	08/26/97	09/10/97	09/16/97	SW6010	WATER	Manganese, Total	218	UG/L	0.6		7439-96-5
LL4SW1503D	9708G64903	08/26/97	09/10/97	09/16/97	SW6010	WATER	Sodium, Total	8860	UG/L	205		7440-23-5
LL4SW1503D	9708G64903	08/26/97	09/19/97	09/19/97	SW7421	WATER	Lead, Total	4.3	UG/L	1		7439-92-1
LL4SW1503D	9708G64903	08/26/97	09/10/97	09/16/97	SW6010	WATER	Vanadium, Total	1.1	UG/L	0.8		7440-62-2
LL4SW1503D	9708G64903	08/26/97	09/10/97	09/16/97	SW6010	WATER	Zinc, Total	20.6	UG/L	0.4		7440-66-6
LL4SW1502	9708G64904	08/26/97	09/10/97	09/16/97	SW6010	WATER	Aluminum, Total	538	UG/L	28.6		7429-90-5
LL4SW1502	9708G64904	08/26/97	09/10/97	09/16/97	SW6010	WATER	Barium, Total	380	UG/L	0.3		7440-39-3
LL4SW1502	9708G64904	08/26/97	09/10/97	09/16/97	SW6010	WATER	Calcium, Total	9510	UG/L	28.7		7440-70-2
LL4SW1502	9708G64904	08/26/97	09/10/97	09/16/97	SW6010	WATER	Cobalt, Total	1.6	UG/L	0.7		7440-48-4
LL4SW1502	9708G64904	08/26/97	09/10/97	09/16/97	SW6010	WATER	Chromium, Total	1.8	UG/L	0.7		7440-47-3
LL4SW1502	9708G64904	08/26/97	09/10/97	09/16/97	SW6010	WATER	Copper, Total	2	UG/L	0.5		7440-50-8
LL4SW1502	9708G64904	08/26/97	09/10/97	09/16/97	SW6010	WATER	Iron, Total	5140	UG/L	16.1		7439-89-6
LL4SW1502	9708G64904	08/26/97	09/10/97	09/16/97	SW6010	WATER	Potassium, Total	3780	UG/L	20.6		7440-09-7
LL4SW1502	9708G64904	08/26/97	09/10/97	09/16/97	SW6010	WATER	Magnesium, Total	3500	UG/L	28.6		7439-95-4
LL4SW1502	9708G64904	08/26/97	09/10/97	09/16/97	SW6010	WATER	Manganese, Total	265	UG/L	0.6		7439-96-5
LL4SW1502	9708G64904	08/26/97	09/10/97	09/16/97	SW6010	WATER	Sodium, Total	10200	UG/L	205		7440-23-5
LL4SW1502	9708G64904	08/26/97	09/19/97	09/19/97	SW7421	WATER	Lead, Total	8	UG/L	1		7439-92-1
LL4SW1502	9708G64904	08/26/97	09/10/97	09/16/97	SW6010	WATER	Vanadium, Total	1.8	UG/L	0.8		7440-62-2
LL4SW1502	9708G64904	08/26/97	09/10/97	09/16/97	SW6010	WATER	Zinc, Total	29.8	UG/L	0.4		7440-66-6
LL4SW1501	9708G64905	08/26/97	09/10/97	09/16/97	SW6010	WATER	Aluminum, Total	69	UG/L	28.6		7429-90-5

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SW1501	9708G64905	08/26/97	09/10/97	09/16/97	SW6010	WATER	Barium, Total	170	UG/L	0.3		7440-39-3
LL4SW1501	9708G64905	08/26/97	09/10/97	09/16/97	SW6010	WATER	Calcium, Total	26900	UG/L	28.7		7440-70-2
LL4SW1501	9708G64905	08/26/97	09/10/97	09/16/97	SW6010	WATER	Chromium, Total	1.7	UG/L	0.7		7440-47-3
LL4SW1501	9708G64905	08/26/97	09/10/97	09/16/97	SW6010	WATER	Copper, Total	1.3	UG/L	0.5		7440-50-8
LL4SW1501	9708G64905	08/26/97	09/10/97	09/16/97	SW6010	WATER	Iron, Total	24300	UG/L	16.1		7439-89-6
LL4SW1501	9708G64905	08/26/97	09/10/97	09/16/97	SW6010	WATER	Potassium, Total	3300	UG/L	20.6		7440-09-7
LL4SW1501	9708G64905	08/26/97	09/10/97	09/16/97	SW6010	WATER	Magnesium, Total	3030	UG/L	28.6		7439-95-4
LL4SW1501	9708G64905	08/26/97	09/10/97	09/16/97	SW6010	WATER	Manganese, Total	505	UG/L	0.6		7439-96-5
LL4SW1501	9708G64905	08/26/97	09/10/97	09/16/97	SW6010	WATER	Sodium, Total	4350	UG/L	205		7440-23-5
LL4SW1501	9708G64905	08/26/97	09/19/97	09/19/97	SW7421	WATER	Lead, Total	6	UG/L	1		7439-92-1
LL4SW1501	9708G64905	08/26/97	09/10/97	09/16/97	SW6010	WATER	Vanadium, Total	1.1	UG/L	0.8		7440-62-2
LL4SW1501	9708G64905	08/26/97	09/10/97	09/16/97	SW6010	WATER	Zinc, Total	20	UG/L	0.4		7440-66-6

sediments											
	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total
LL4SD1501	4540	1	1	267	1.2	5960	17	3.4	15.1	240000	154
LL4SD1502	975		0.13	9.4	0.11	194	1.4	0.55	1.3	1130	4.4
LL4SD1503	929		0.14	9.6	0.12	197	1.8	0.71	1.4	1540	5
LL4SD1503D	1010		0.17	11.9	0.17	207	1.7	0.54	2.4	1380	8.6
LL4SD1504	6640	0.3	0.91	93.1	0.19	1040	6.8	1.7	3	48500	11.6
	Magnesium, Total	Manganese, Total	Mercury, Total	Nickel, Total	Potassium, Total	Selenium, Total	Sodium, Total	Vanadium, Total	Zinc, Total		
LL4SD1501	443	335	0.23	0.72	466		377	42.5	105		
LL4SD1502	128	11.5		0.44	140	0.18	37.2	2.5	7.3		
LL4SD1503	86.3	20.8		0.31	74.3		31.1	2.8	5.6		
LL4SD1503D	72.1	12.2		0.5	76.4	0.28	40	3.3	7.7		
LL4SD1504	217	201		1.1	219	0.66	136	14.1	12.5		
mg/kg											
subsurface soils											
	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total
LL4MS1501(14)	1930		0.7	11	0.08	51.3	2.7	0.18	1.6	1180	1.9
LL4MS1502(8)	2950	0.16	0.62	21.2	0.27	675	8	0.69	2.7	3480	2
LL4MS1503(4)	2930	0.22	0.09	12.4	0.21	142	4.3	0.42	0.74	695	3.8
LL4MS1503(4)D	7260	0.14	0.3	12.6	0.14	134	7.3	1.4	1.4	3300	6.1
LL4SB1501(8)	7540		0.29	7.8	0.15	40.3	5.5	2.4	2.1	15400	3.1
LL4SB1502(6)	1080		0.48	15.8	0.23	116	2.4	2.5	3.4	2210	2.9
	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Sodium, Total	Vanadium, Total	Zinc, Total			
LL4MS1501(14)	136	1.4		128	0.13	62.1	4.3	1.5			
LL4MS1502(8)	237	9.7	1.1	165		69.3	12.6	3.4			
LL4MS1503(4)	98.4	15.4	1	92.2	0.29	71	2.8	2			
LL4MS1503(4)D	142	36.9	1.3	147		54.2	10.4	3.3			
LL4SB1501(8)	107	44.8	1	150		49.1	8.5	3.2			
LL4SB1502(6)	97.4	63.3	0.37	181		79.6	7.4	1.9			
mg/kg											
surface water											
	Aluminum, Total	Antimony, Total	Barium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total		
LL4SW1501	69		170	26900	1.7		1.3	24300	6		
LL4SW1502	538		380	9510	1.8	1.6	2	5140	8		
LL4SW1503	1040		92.8	9840	2.6	2.6	3.1	9040	7.7		
LL4SW1503D	112		78.9	9300	1.6	1	0.72	5770	4.3		
LL4SW1504	901	2.9	1170	38900	3	4.2	4.4	436000	13.6		
	Magnesium, Total	Manganese, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Vanadium, Total	Zinc, Total			
LL4SW1501	3030	505	3300			4350	1.1	20			
LL4SW1502	3500	265	3780			10200	1.8	29.8			
LL4SW1503	3270	281	3390			9140	4.7	23.3			
LL4SW1503D	3100	218	3230			8860	1.1	20.6			
LL4SW1504	3570	4690	3880	6.2	1.1	5180	6.8	19.6			
ug/l											

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SS1504(0.5)	9709G76501	09/02/97	09/08/97	09/13/97	SW8081	SOIL	4,4'-DDE	1.2	UG/KG	4.1	J	72-55-9
LL4SS1504(0.5)	9709G76501	09/02/97	09/08/97	09/13/97	SW8081	SOIL	4,4'-DDT	2.5	UG/KG	4.1		50-29-3
LL4SS1505(0.5)	9709G76502	09/02/97	09/08/97	09/13/97	SW8081	SOIL	4,4'-DDE	28	UG/KG	190	J	72-55-9
LL4SS1505(0.5)	9709G76502	09/02/97	09/08/97	09/13/97	SW8081	SOIL	4,4'-DDD	49	UG/KG	190	J	72-54-8
LL4SS1505(0.5)	9709G76502	09/02/97	09/08/97	09/13/97	SW8081	SOIL	4,4'-DDT	70	UG/KG	190	J	50-29-3
LL4SS1508(0.5)	9709G76505	09/02/97	09/08/97	09/14/97	SW8081	SOIL	4,4'-DDE	1.1	UG/KG	3.6	J	72-55-9
LL4SS1510(0.5)	9709G76507	09/02/97	09/08/97	09/14/97	SW8081	SOIL	4,4'-DDE	3.5	UG/KG	17	J	72-55-9
LL4SS1510(0.5)	9709G76507	09/02/97	09/08/97	09/14/97	SW8081	SOIL	4,4'-DDT	3.1	UG/KG	17	J	50-29-3
LL4SS1505(0.5)D	9709G76508	09/02/97	09/08/97	09/14/97	SW8081	SOIL	4,4'-DDE	25	UG/KG	170	J	72-55-9
LL4SS1505(0.5)D	9709G76508	09/02/97	09/08/97	09/14/97	SW8081	SOIL	4,4'-DDD	39	UG/KG	170	J	72-54-8
LL4SS1505(0.5)D	9709G76508	09/02/97	09/08/97	09/14/97	SW8081	SOIL	4,4'-DDT	34	UG/KG	170	J	50-29-3
LL4SS1501(0.5)	9708G65406	08/27/97	09/04/97	09/10/97	SW8081	SOIL	4,4'-DDT	1.4	UG/KG	3.4	J	50-29-3
LL4SS1502(0.5)	9708G65407	08/27/97	09/04/97	09/10/97	SW8081	SOIL	4,4'-DDT	3.1	UG/KG	3.4		50-29-3
LL4SS1503(0.5)	9708G65408	08/27/97	09/04/97	09/10/97	SW8081	SOIL	4,4'-DDT	2.6	UG/KG	4.2		50-29-3
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SD1501	9708G65404	08/26/97	09/04/97	09/10/97	SW8081	SOIL	4,4'-DDD	280	UG/KG	75		72-54-8
LL4SD1501	9708G65404	08/26/97	09/04/97	09/10/97	SW8081	SOIL	Chlordane	390	UG/KG	380		12789-03-6
surface water												
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS

surface soils			
	4,4'-DDD	4,4'-DDE	4,4'-DDT
LL4SS1501(0.5)			1.4
LL4SS1502(0.5)			3.1
LL4SS1503(0.5)			2.6
LL4SS1504(0.5)		1.2	2.5
LL4SS1505(0.5)	49	28	70
LL4SS1505(0.5)D	39	25	34
LL4SS1508(0.5)		1.1	
LL4SS1510(0.5)		3.5	3.1
ug/kg			
sediments			
	4,4'-DDD	Chlordane	
LL4SD1501	280	390	
ug/kg			

CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/16/97	SW8260	SOIL	Methylene Chloride	8	UG/KG		5	75-09-2
LL4SS1510(0.5)	9709G76507	09/02/97	09/16/97	09/16/97	SW8260	SOIL	Trichloroethene	51	UG/KG		5	79-01-6
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SD1504	9708G65401	08/26/97	09/09/97	09/09/97	SW8260	SOIL	Acetone	21	UG/KG		11	67-64-1
LL4SD1503	9708G65402	08/26/97	09/09/97	09/09/97	SW8260	SOIL	Acetone	22	UG/KG		6	67-64-1
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4MS1501(14)	9708G51201	08/19/97	09/02/97	09/02/97	SW8260	SOIL	Acetone	49	UG/KG		6	67-64-1
LL4MS1502(8)	9708G51202	08/20/97	09/02/97	09/03/97	SW8260	SOIL	Acetone	32	UG/KG		6	67-64-1
LL4MS1503(4)D	9708G51204	08/21/97	09/04/97	09/04/97	SW8260	SOIL	Acetone	12	UG/KG		6	67-64-1
LL4SB1501(8)	9708G51205	08/20/97	09/02/97	09/03/97	SW8260	SOIL	Acetone	7	UG/KG		6	67-64-1
CLIENT_ID	LAB_ID	DATE_SUM	DATE_EXT	DATE_ANA	METHOD	MATRIX	PARAMETER	CONC	UNITS	DL	QUALIFIER	CAS
LL4SW1504	9708G64901	08/26/97	09/08/97	09/08/97	SW8260	WATER	Methylene Chloride	1	UG/L		2 JB	75-09-2
LL4SW1504	9708G64901	08/26/97	09/08/97	09/08/97	SW8260	WATER	Acetone	2	UG/L		3 JB	67-64-1
LL4SW1503	9708G64902	08/26/97	09/08/97	09/08/97	SW8260	WATER	Methylene Chloride	4	UG/L		2 B	75-09-2
LL4SW1503	9708G64902	08/26/97	09/08/97	09/08/97	SW8260	WATER	Acetone	4	UG/L		3 B	67-64-1
LL4SW1503D	9708G64903	08/26/97	09/08/97	09/08/97	SW8260	WATER	Methylene Chloride	1	UG/L		2 JB	75-09-2
LL4SW1503D	9708G64903	08/26/97	09/08/97	09/08/97	SW8260	WATER	Acetone	5	UG/L		3 B	67-64-1
LL4SW1503D	9708G64903	08/26/97	09/08/97	09/08/97	SW8260	WATER	Carbon Disulfide	0.2	UG/L		2 J	75-15-0
LL4SW1502	9708G64904	08/26/97	09/08/97	09/08/97	SW8260	WATER	Methylene Chloride	2	UG/L		2 B	75-09-2
LL4SW1502	9708G64904	08/26/97	09/08/97	09/08/97	SW8260	WATER	Acetone	6	UG/L		3 B	67-64-1
LL4SW1502	9708G64904	08/26/97	09/08/97	09/08/97	SW8260	WATER	Carbon Disulfide	0.3	UG/L		2 J	75-15-0
LL4SW1502	9708G64904	08/26/97	09/08/97	09/08/97	SW8260	WATER	Toluene	0.3	UG/L		0.5 J	108-88-3
LL4SW1501	9708G64905	08/26/97	09/08/97	09/08/97	SW8260	WATER	Methylene Chloride	2	UG/L		2 B	75-09-2
LL4SW1501	9708G64905	08/26/97	09/08/97	09/08/97	SW8260	WATER	Acetone	2	UG/L		3 JB	67-64-1
LL4SW15TB	9708G64906	08/26/97	09/08/97	09/08/97	SW8260	WATER	Methylene Chloride	2	UG/L		2 JB	75-09-2
LL4SW15TB	9708G64906	08/26/97	09/08/97	09/08/97	SW8260	WATER	Acetone	3	UG/L		3 B	67-64-1

surface soil

	Methylene Chloride	Trichloroethene
LL4SS1510(0.5)	8	51

ug/kg

sediment

	Acetone
LL4SD1503	22
LL4SD1504	21

ug/kg

subsurface soils

	Acetone
LL4MS1501(14)	49
LL4MS1502(8)	32
LL4MS1503(4)D	12
LL4SB1501(8)	7

ug/kg

surface water

	Carbon Disulfide	Toluene
LL4SW1502	0.3	0.3
LL4SW1503D	0.2	

ug/l