GW - 40

# MONITORING REPORTS

DATE: 1990

WESTON
MANAGERS DESIGNERS/CONSULTANTS
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SUITE 1000
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PHONE: (505) 255-1445

February 8, 1991

Tim Kinney
P.O. Box 256
Farmington, NM 87499

Re: Lee Acres Landfill
RI Data
Giant Property

Dear Tim:

Enclosed are the following data from work that has previously been performed on Giant property and the access road through Giant property. Also enclosed is Plate I showing the sampling locations.

- Hydrocone data
- Cone penetrometer data
- Soil borehole logs
- Well logs
- Analytical data from BLM wells
- Analytical data from Giant wells
- Analytical data from fire water pond
- Water level data

There are now 4 complete rounds of data on all wells installed last year. This analytical data is presented by location and only presents data above detection limits.

We are sorry that you have not received this data sooner. We thought you had received the data, and it was never our intention to hold this data back.

If you have any questions, please call.

Sincerely,

ROY F. WESTON, INC.

Berg Keshian, Jr. P.E.
Project Manager

BK/jem

Enclosures
pc: B. Murphy-BLM

Hydrocone DATA

## INTRODUCTION

This report presents the results of a ground water sampling investigation in and adjacent to the Lee Acres landfill in the city of Farmington, New Mexico. Ground water samples were taken at various locations in and adjacent to the Lee Acres landfill. The water samples were collected using the Fugro Hydopunch method in order to determine the sites of future monitoring wells and to determine the extent of any contamination.

## SITE INVESTIGATION

The ground water investigation was conducted on December 16, 1989 through January 13, 1990. The sampling plan called for a total of 60 samples to be collected. However, due to the geological structure only 40 samples were collected and analyzed on site. These samples were analyzed for 8010/8020 volatiles and chlorides on site. Sulfates and TDS samples were sent to Weston's laboratory in Stockton, California for analysis.

## PARAMETERS FOR LABORATORY ANALYSIS

The water samples were analyzed for 8010/8020 using a Varian gas chromatograph equipted with a Photoionization detector (PID) and a Hall electrolytic detector (Hall). The Hall was used to determine the concentration of the volatile halogenated organic compounds (Method 8010). The PID was used to determine the concentration of the aromatic volatile compounds (Method 8020).

## QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES-

Daily QA/QC procedures were implamented in order to insure the quality of the on site data. A method blank and calibration blank were analyzed daily. A blank spike, matrix spike and replicate were also anaylzed daily. Surrogate spikes were added to all samples at a concentration of 50 ug/L.

## QA OBJECTIVES AND DATA USEABILITY

The recommended QA objectives are provided as guidelines based on laboratory QA/QC protocals and control limits.
The failure to meet recommended QA objectives may not adversely impact the useability of the data. Further, any failures to meet the recommended QA objectives must be looked at on a case by case basis.

CASE NARRATIVE
8010/8020 VOLATILES

CLIENT: BLM/LEE ACRES

RFW # : 8917DEC01

This batch consisted of 2 water samples collected on 12-17-89.

The samples were received by Weston's mobile laboratory and analyzed according to criteria set forth by EPA Method 8010/8020 for Volatile target compounds on 12/17/89.

The following is a summary of the QA/QC results from this batch.

- The method blank was free of contamination.
- The blank spike recoveries for 1,1,2,2-tetrachloroethane, benzene, toluene and ethylbenzene were not within mobile lab guidelines. As a result a recalibration was done for the 8020 compounds.
- The matrix spike recoveries were within guidelines for 8010 compounds. However, recoveries were low for 8020 compounds.
- The replicate was within mobile lab guidelines.
- The surrogate spike recoveries were within guidelines, with the exception of a,a,a-trifluorotoluene for the method blank and blank spike.
- The initial calibration criteria was met for all runs.

Anthony B. Melon

Anthony B.Melon
Project Scientist
Weston Analytics mobile services

# BLM LEE ACRES - 8010/8020 RESULTS

Date Analyzed: 12/17/89

SAMPLE INFORMATION

| Sample ID: | HP01 | HP01 D | HP01 MS | HP02 | HP03 | HP03 D | HP03 MS | Detection Limit |
|---|---|---|---|---|---|---|---|---|
| DF: | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Units: | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| Analytes | | | | | | | | |
| Bromomethane | 10U | 10U | NS | 10U | 10U | 10U | NS | 1 |
| Vinyl chloride | 5U | 5U | NS | 5U | 5U | 5U | NS | 5 |
| Chloroethane | 5U | 5U | NS | 5U | 5U | 5U | NS | 5 |
| Dichloromethane | 5U | 5U | NS | 5U | 5U | 5U | NS | 5 |
| Trichlorofluoromethane | 2U | 2U | NS | 2U | 2U | 2U | NS | 2 |
| 1,1-Dichloroethene | 2U | 2U | NS | 2U | 2U | 2U | NS | 2 |
| 1,1-Dichloroethane | 2U | 2U | NS | 2U | 2U | 2U | NS | 2 |
| trans-1,2-Dichloroethane | 2U | 2U | 118% | 2U | 2U | 2U | 135% | 2 |
| Chloroform | 2U | 2U | NS | 2U | 2U | 2U | NS | 2 |
| 1,2-Dichloroethane | 2U | 2U | 86% | 2U | 2U | 2U | 131% | 2 |
| 1,1,1-Trichloroethane | 2U | 2U | 127% | 2U | 2U | 2U | 140% | 2 |
| Carbon tetrachloride | 2U | 2U | NS | 2U | 2U | 2U | NS | 2 |
| Bromodichloromethane | 2U | 2U | 117% | 2U | 2U | 2U | 127% | 2 |
| 1,2-Dichloropropane | 2U | 2U | NS | 2U | 2U | 2U | NS | 2 |
| cis-1,3-Dichloropropene | 2U | 2U | 112% | 2U | 2U | 2U | 135% | 2 |
| Trichloroethene | 2U | 2U | NS | 2U | 2U | 2U | NS | 2 |
| Dibromochloromethane | 2U | 2U | NS | 2U | 2U | 2U | NS | 2 |
| 1,1,2-Trichloroethane | 2U | 2U | NS | 2U | 2U | 2U | NS | 2 |
| trans-1,3-Dichloropropene | 2U | 2U | 90% | 2U | 2U | 2U | 137% | 2 |
| 2-chloroethylvinyl ether | 5U | 5U | NS | 5U | 5U | 5U | NS | 5 |
| Bromoform | 10U | 10U | 99% | 10U | 10U | 10U | 130% | 10 |
| 1,1,2,2-Tetrachloroethane | 2U | 2U | 123% | 2U | 2U | 2U | 141% | 2 |
| Tetrachloroethene | 2U | 2U | NS | 2U | 2U | 2U | NS | 2 |
| Chlorobenzene | 2U | 2U | NS | 2U | 2U | 2U | NS | 2 |
| 1,3-Dichlorobenzene | 5U | 5U | NS | 5U | 5U | 5U | NS | 5 |
| 1,2-Dichlorobenzene | 5U | 5U | NS | 5U | 5U | 5U | NS | 5 |
| 1,4-Dichlorobenzene | 5U | 5U | NS | 5U | 5U | 5U | NS | 5 |
| Benzene | 2U | 2U | 41% | 2U | 2U | 2U | 122% | 2 |
| Toluene | 2U | 2U | 38% | 2U | 2U | 2U | 132% | 2 |
| Ethylbenzene | 2U | 2U | 42% | 2U | 2U | 2U | 140% | 2 |
| m-Xylene | 2U | 2U | NS | 2U | 2U | 2U | NS | 2 |
| o+p-Xylene | 2U | 2U | NS | 2U | 2U | 2U | NS | 2 |
| Surrogate Recoveries: | | | | | | | | |
| Bromochloromethane: | 109% | 119% | 101% | 110% | 94% | 100% | 134% | --- |
| ααα-Trifluorotoluene: | 116% | 123% | 115% | 116% | 93% | 94% | 89% | --- |

U = Analyzed, not detected.
J = Present at less than detection limit
NS = Not spiked
B = Present in blank.
E = Outside calibration range.

CASE NARRATIVE
8010/8020 VOLATILES

CLIENT: BLM/LEE ACRES

RFW # : 8918DEC02

This batch consisted of 2 water samples collected on 12/18/89.

The samples were received by Weston's mobile laboratory and anaylzed according to criteria set forth by EPA method 8010/8020 on for Volatile target compounds on 12/18/89.

The following is a summary of the QA/QC results from this batch.

- Blanks were free of contamination.
- The blank spike recoveries were within mobile lab guidelines with the exception of vinyl chloride(220%). However, this compound has not been found at this site.
- The matrix spike recoveries were high due to the concentrating of the matrix spike solution during storage.
- Surrogate spike recoveries were within mobile lab guidelines.
- Continuing calibration criteria was met for all compounds with the exception of trichlorofluoromethane and 1,1-dichloroethane (48% and 62% respectively). However, the analysis was not jeopardized due to the compounds not being found in this batch of samples.

Anthony B. Melon
Project Scientist
Weston Analytics mobile services

# BLM LEE ACRES - 8010/8020 RESULTS

Date Analyzed: 12/18/89

SAMPLE INFORMATION

| Sample ID: | GBR 32 | GBR 32 | HP 04 | HP 05 | Method Blank | Purge A XY/DCB Ck Std | Purge B Purge C Bk Spike | Detection Limit |
|---|---|---|---|---|---|---|---|---|
| DF: | 1 | 5 | 1 | 1 | 1 | 1 | 1 | |
| Units: | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| Analytes | | | | | | | | |
| Bromomethane | 10U | NA | 10U | 10U | 10U | NS | 115% | 10 |
| Vinyl chloride | 5U | NA | 5U | 5U | 5U | NS | 220% | 5 |
| Chloroethane | 5U | NA | 5U | 5U | 5U | NS | 111% | 5 |
| Dichloromethane | 5U | NA | 5U | 5U | 5U | 103% | NS | 5 |
| Trichlorofluoromethane | 2U | NA | 2U | 2U | 2U | 48% | NS | 2 |
| 1,1-Dichloroethene | 2U | NA | 2U | 2U | 2U | 62% | NS | 2 |
| 1,1-Dichloroethane | 0.5J | 294 | 2U | 2U | 2U | 85% | NS | 2 |
| trans-1,2-Dichloroethene | E | NA | 2U | 2U | 2U | NS | 121% | 2 |
| Chloroform | 2U | NA | 2U | 2U | 2U | 91% | NS | 2 |
| 1,2-Dichloroethane | 2U | NA | 2U | 2U | 2U | NS | 97% | 2 |
| 1,1,1-trichloroethane | 2U | NA | 2U | 2U | 2U | NS | 124% | 2 |
| Carbon tetrachloride | 2U | NA | 2U | 2U | 2U | 65% | NS | 2 |
| Bromodichloromethane | 2U | NA | 2U | 2U | 2U | NS | 119% | 2 |
| 1,2-Dichloropropane | 2U | NA | 2U | 2U | 2U | 96% | NS | 2 |
| cis-1,3-Dichloropropane | 2U | NA | 2U | 2U | 2U | NS | 115% | 2 |
| Trichloroethene | 12 | NA | 2U | 2U | 2U | 88% | NS | 2 |
| Dibromochloromethane | 2U | NA | 2U | 2U | 2U | 102% | NS | 2 |
| 1,1,2-Trichloroethane | 2U | NA | 2U | 2U | 2U | 102% | NS | 2 |
| trans-1,3-Dichloropropene | 5U | NA | 5U | 5U | 5U | NS | 106% | 2 |
| 2-chloroethylvinyl ether | 5U | NA | 5U | 5U | 5U | 107% | NS | 5 |
| Bromoform | 10U | NA | 10U | 10U | 10U | NS | 102% | 10 |
| 1,1,2,2-Tetrachloroethane | 2U | NA | 2U | 2U | 2U | NS | 127% | 2 |
| Tetrachloroethene | 26 | NA | 2U | 2U | 2U | 77% | NS | 2 |
| Chlorobenzene | 2U | NA | 2U | 2U | 2U | 89% | NS | 2 |
| 1,3-Dichlorobenzene | 5U | NA | NS | 5U | 5U | 113% | NS | 5 |
| 1,2-Dichlorobenzene | 5U | NA | NS | 5U | 5U | 116% | NS | 5 |
| 1,4-Dichlorobenzene | 5U | NA | NS | 5U | 5U | 128% | NS | 5 |
| Benzene | 2U | NA | NS | 2U | 2U | NS | 97% | 2 |
| Toluene | 2U | NA | NS | 2U | 2U | NS | 97% | 2 |
| Ethylbenzene | 2U | NA | NS | 2U | 2U | NS | 98% | 2 |
| m-Xylene | 2U | NA | NS | 2U | 2U | 71% | NS | 2 |
| o+p-Xylene | 2U | NA | NS | 2U | 2U | 83% | NS | 2 |
| Surrogate Recoveries: | | | | | | | | |
| Bromochloromethane: | 102% | 92% | 97% | 95% | 76% | 103% | 70% | --- |
| *aaa*-Trifluorotoluene: | 95% | 90% | 82% | 83% | 102% | 136% | 93% | --- |

U = Analyzed, not detected.
J = Present at less than detection limit
NS = Not spiked
B = Present in blank.
E = Outside calibration range.

CASE NARRATIVE
8010/8020 VOLATILES

CLIENT: BLM/LEE ACRES

RFW # : 8919DEC03

This batch consisted of 4 water samples collected on 12/19/89.

The samples were received by Weston's mobile laboratory and analyzed according to criteria set forth by EPA Method 8010/8020 for Volatile compounds on 12/19/89.

The following is a summary of the QA/QC results from this batch.

- The blanks were free of contamination.
- The blank spike recoveries were within mobile lab guidelines.
- The surrogate recoveries were within mobile lab guidelines.
- The replicate was within mobile lab guidelines.
- Inital calibration criteria was met with the execption of trichloroethylene (200%) and dichloromethane (186%).



Anthony B. Melon
Project Scientist
Weston Analytics mobile services

# BLM LEE ACRES - 8010/8020 RESULTS

Date Analyzed: 12/19/89

SAMPLE INFORMATION

| Sample ID: | HP06 | HP06 D | HP06 MS | HP07 | HP08 | HP08 D | HP08 MS | Detection Limits |
|---|---|---|---|---|---|---|---|---|
| DF: | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Units: | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| Analytes | | | | | | | | |
| Bromomethane | 10U | 10U | NS | 10U | 10U | 10U | NS | |
| Vinyl chloride | 5U | 5U | NS | 5U | 5U | 5U | NS | |
| Chloroethane | 5U | 5U | NS | 5U | 5U | 5U | NS | |
| Dichloromethane | 5U | 5U | NS | 5U | 5U | 5U | NS | |
| Trichlorofluoromethane | 2U | 2U | NS | 2U | 2U | 2U | NS | |
| 1,1-Dichloroethene | 2U | 2U | NS | 2U | 2U | 2U | NS | |
| 1,1-Dichloroethane | 2U | 2U | NS | 2U | 2U | 2U | NS | |
| trans-1,2-Dichloroethene | 2U | 2U | 127% | 2U | 2U | 2U | 125% | |
| Chloroform | 2U | 2U | NS | 2U | 2U | 2U | NS | |
| 1,2-Dichloroethane | 2U | 2U | 123% | 2U | 2U | 2U | NS | |
| 1,1,1-Trichloroethane | 2U | 2U | 126% | 2U | 2U | 2U | NS | |
| Carbon tetrachloride | 2U | 2U | NS | 2U | 2U | 2U | NS | |
| Bromodichloromethane | 2U | 2U | 118% | 2U | 2U | 2U | 125% | |
| 1,2-Dichloropropane | 2U | 2U | NS | 2U | 2U | 2U | NS | |
| cis-1,3-Dichloropropene | 2U | 2U | 118% | 2U | 2U | 2U | 123% | |
| Trichloroethene | 2U | 2U | NS | 2U | 2U | 2U | NS | |
| Dibromochloromethane | 2U | 2U | NS | 2U | 2U | 2U | NS | |
| 1,1,2-Trichloroethane | 2U | 2U | NS | 2U | 2U | 2U | NS | |
| trans-1,3-Dichloropropene | 2U | 2U | 115% | 2U | 2U | 2U | 126% | |
| 2-chloroethylvinyl ether | 5U | 5U | NS | 5U | 5U | 5U | NS | |
| Bromoform | 10U | 10U | 106% | 10U | 10U | 10U | 114% | |
| 1,1,2,2-Tetrachloroethane | 2U | 2U | 106% | 2U | 2U | 2U | 135% | |
| Tetrachloroethene | 2U | 2U | NS | 2U | 2U | 2U | NS | |
| Chlorobenzene | 2U | 2U | NS | 2U | 2U | 2U | NS | |
| 1,3-Dichlorobenzene | 5U | 5U | NS | 5U | 5U | 5U | NS | |
| 1,2-Dichlorobenzene | 5U | 5U | NS | 5U | 5U | 5U | NS | |
| 1,4-Dichlorobenzene | 5U | 5U | NS | 5U | 5U | 5U | NS | |
| Benzene | 2U | 2U | 79% | 2U | 2U | 2U | 77% | |
| Toluene | 2U | 2U | 108% | 2U | 2U | 2U | 74% | |
| Ethylbenzene | 2U | 2U | 78% | 2U | 2U | 2U | 82% | |
| m-Xylene | 2U | 2U | NS | 2U | 2U | 2U | NS | |
| o+p-Xylene | 2U | 2U | NS | 2U | 2U | 2U | NS | |
| Surrogate Recoveries: | | | | | | | | |
| Bromochloromethane: | 96% | 90% | 89% | 84% | 84% | 82% | 86% | --- |
| ααα-Trifluorotoluene: | 105% | 98% | 95% | 81% | 92% | 83% | 85% | --- |

U = Analyzed, not detected.
J = Present at less than detection limit
NS = Not spiked
B = Present in blank.
E = Outside calibration range.

CASE NARRATIVE
8010/8020 VOLATILES

CLIENT: BLM/LEE ACRES

RFW # : 8920DEC04

This batch consisted of 3 water samples collected on 12/20/89.

The samples were received by Weston's mobile laboratory and analyzed according to criteria set forth by EPA Method 8010/8020 for Volatile compounds on 12/20/89.

The following is a summary of the QA/QC results from this batch.

- The blank was free of contamination.
- The blank spike recoveries were within mobile lab guidelines.
- The surrogate recoveries were within mobile lab guidelines.
- The replicate was within mobile lab guidelines.
- The inital calibration criteria was met with the exception of dichloromethane (213%), 1,1,2-trichloroethane (141%) and the 1,2-dichlorobenzene (144%). However, these compounds were not identified in this batch of samples.



Anthony B. Melon
Project Scientist
Weston Analytics mobile services
jeopardize the analysis, due to these compounds

# BLM LEE ACRES - 8010/8020 RESULTS

Date Analyzed: 12/20/89

SAMPLE INFORMATION

| Sample ID: | HP 09 | HP 10 | Field Dup HP 10 | Field Blank HP 10 | Purge A DCB Ck Std | Purge B Purge C Bk Spike | Method Blank | Detection Limit |
|---|---|---|---|---|---|---|---|---|
| DF: | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Units: | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| Analytes | | | | | | | | |
| Bromomethane | 10U | 10U | 10U | 10U | NS | 112% | 10U | 10 |
| Vinyl chloride | 5U | 5U | 5U | 5U | NS | 101% | 5U | 5 |
| Chloroethane | 5U | 5U | 5U | 5U | NS | 122% | 5U | 5 |
| Dichloromethane | 5U | 5U | 5U | 5U | 218% | NS | 5U | 5 |
| Trichlorofluoromethane | 2U | 2U | 2U | 2U | 100% | NS | 2U | 2 |
| 1,1-Dichloroethene | 2U | 2U | 2U | 2U | 101% | NS | 2U | 2 |
| 1,1-Dichloroethane | 2U | 2U | 2U | 2U | 114% | NS | 2U | 2 |
| trans-1,2-Dichloroethene | 2U | 2U | 2U | 2U | NS | 125% | 2U | 2 |
| Chloroform | 2U | 2U | 2U | 2U | 112% | NS | 2U | 2 |
| 1,2-Dichloroethane | 2U | 2U | 2U | 2U | NS | 123% | 2U | 2 |
| 1,1,1-Trichloroethane | 2U | 2U | 2U | 2U | NS | 119% | 2U | 2 |
| Carbon tetrachloride | 2U | 2U | 2U | 2U | 119% | NS | 2U | 2 |
| Bromodichloromethane | 2U | 2U | 2U | 2U | NS | 115% | 2U | 2 |
| 1,2-Dichloropropane | 2U | 2U | 2U | 2U | 109% | NS | 2U | 2 |
| cis-1,3-Dichloropropene | 2U | 2U | 2U | 2U | NS | 125% | 2U | 2 |
| Trichloroethene | 2U | 2U | 2U | 2U | 200% | NS | 2U | 2 |
| Dibromochloromethane | 2U | 2U | 2U | 2U | 141% | NS | 2U | 2 |
| 1,1,2-Trichloroethane | 2U | 2U | 2U | 2U | 141% | NS | 2U | 2 |
| trans-1,3-Dichloropropene | 2U | 2U | 2U | 2U | NS | 125% | 2U | 2 |
| 2-chloroethylvinyl ether | 5U | 5U | 5U | 5U | 132% | NS | 5U | 5 |
| Bromoform | 10U | 10U | 10U | 10U | NS | 111% | 10U | 10 |
| 1,1,2,2-Tetrachloroethane | 2U | 2U | 2U | 2U | NS | 120% | 2U | 2 |
| Tetrachloroethene | 2U | 2U | 2U | 2U | 120% | NS | 2U | 2 |
| Chlorobenzene | 2U | 2U | 2U | 2U | 116% | NS | 2U | 2 |
| 1,3-Dichlorobenzene | 5U | 5U | 5U | 5U | 125% | NS | 5U | 5 |
| 1,2-Dichlorobenzene | 5U | 5U | 5U | 5U | 103% | NS | 5U | 5 |
| 1,4-Dichlorobenzene | 5U | 5U | 5U | 5U | 138% | NS | 5U | 5 |
| Benzene | 2U | 2U | 2U | 2U | NS | 97% | 2U | 2 |
| Toluene | 2U | 2U | 2U | 2U | NS | 97% | 2U | 2 |
| Ethylbenzene | 2U | 2U | 2U | 2U | NS | 98% | 2U | 2 |
| m-Xylene | 2U | 2U | 2U | 2U | NS | NS | 2U | 2 |
| o+p-Xylene | 2U | 2U | 2U | 2U | NS | NS | 2U | 2 |
| Surrogate Recoveries: | | | | | | | | |
| Bromochloromethane: | 89% | 89% | 85% | 75% | 85% | 93% | 84% | --- |
| ααα-Trifluorotoluene: | 94% | 90% | 83% | 87% | 96% | 107% | 107% | --- |

U = Analyzed, not detected.
J = Present at less than detection limit
NS = Not spiked
B = Present in blank.
E = Outside calibration range.

CASE NARRATIVE
8010/8020 VOLATILES

CLEINT: BLM/LEE ACRES

RFW # : 9008JAN05

This batch consisted of 4 water samples collected on 01/06 and 01/08/90.

The samples were received by Weston's mobile laboratory and analyzed according to criteria set forth by EPA method 8010/8020 for Volatile compounds on 01/08/90.

The following is a summary of the QA/QC results from this batch.

- The method blank was free of contamination.
- The blank spike recoveries were within mobile lab guidelines with the exception of 1,2-dichloroethane (58%).
- The matrix spike recoveries were within mobile lab guidelines with the exception of 1,2-dichloroethane (55%).
- The surrogate spike recoveries were within mobile lab guidelines.
- The replicate was within mobile lab guidelines.
- Initial calibration criteria was met for all compounds with the exception of chloromethane and vinyl chloride ( no recovery and corr coef = 0.953). However, these compounds have not detected on site.
- Continuing calibration criteria was met for all compounds with the exception of dichloromethane (159%) and 1,2-dichloroethane (58%).

Anthony B. Melon
Project Scientist
Weston Analytics mobile services

# BLM LEE ACRES - 8010/8020 RESULTS

Date Analyzed: 01/07/90

SAMPLE INFORMATION

| Sample ID: | HP1431 | HP1431 | HP1311 | HP1331 | HP1336 | Method Blank | Detection Limit |
|---|---|---|---|---|---|---|---|
| DF: | 1 | 10 | 1 | 10 | 1 | 1 | |
| Units: | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| Analytes | | | | | | | |
| Bromomethane | 10U | NA | 10U | NA | 10U | 10U | 10 |
| Vinyl chloride | 5U | NA | 5U | NA | 5U | 5U | 5 |
| Chloroethane | 5U | NA | 5U | NA | 5U | 5U | 5 |
| Dichloromethane | 1.2JB | NA | 0.5JB | NA | 1.4JB | 1.75JB | 5 |
| Trichlorofluoromethane | 2U | NA | 2U | NA | 2U | 2U | 2 |
| 1,1-Dichloroethene | 2U | NA | 2U | NA | 2U | 2U | 2 |
| 1,1-Dichloroethane | 0.8J | NA | 0.6J | NA | 1.2J | 2U | 2 |
| trans-1,2-Dichloroethane | E | 37 | 2U | 36 | 1.3J | 2U | 2 |
| Chloroform | 9.5B | NA | 2U | NA | 2U | 1.8J | 2 |
| 1,2-Dichloroethane | 2U | NA | 2U | NA | 2U | 2U | 2 |
| 1,1,1-Trichloroethane | 2U | NA | 2U | NA | 2U | 2U | 2 |
| Carbon tetrachloride | 2U | NA | 2U | NA | 2U | 2U | 2 |
| Bromodichloromethane | 2U | NA | 2U | NA | 2U | 2U | 2 |
| 1,2-Dichloropropane | 2U | NA | 2U | NA | 2U | 2U | 2 |
| cis-1,3-Dichloropropene | 2U | NA | 2U | NA | 2U | 2U | 2 |
| Trichloroethene | 2.7 | NA | 3.5 | NA | 0.8J | 2U | 2 |
| Dibromochloromethane | 2U | NA | 2U | NA | 2U | 2U | 2 |
| 1,1,2-Trichloroethane | 2U | NA | 2U | NA | 2U | 2U | 2 |
| trans-1,3-Dichloropropene | 0.6J | NA | 2U | NA | 2U | 2U | 2 |
| 2-chloroethylvinyl ether | 5U | NA | 5U | NA | 5U | 5U | 5 |
| Bromoform | 10U | NA | 10U | NA | 10U | 10U | 10 |
| 1,1,2,2-Tetrachloroethane | 2U | NA | 2U | NA | 2U | 2U | 2 |
| Tetrachloroethene | 5.2 | NA | 5.9 | NA | 1.9 | 2U | 2 |
| Chlorobenzene | 2U | NA | 2U | NA | 2U | 2U | 2 |
| 1,3-Dichlorobenzene | 5U | NA | 5U | NA | 5U | 5U | 5 |
| 1,2-Dichlorobenzene | 5U | NA | 5U | NA | 5U | 5U | 5 |
| 1,4-Dichlorobenzene | 5U | NA | 5U | NA | 5U | 5U | 5 |
| Benzene | 2U | NA | 2U | NA | 2U | 2U | 2 |
| Toluene | 2U | NA | 2U | NA | 2U | 2U | 2 |
| Ethylbenzene | 2U | NA | 2U | NA | 2U | 2U | 2 |
| m-Xylene | 2U | NA | 2U | NA | 2U | 2U | 2 |
| o,p-Xylene | 2U | NA | 2U | NA | 2U | 2U | 2 |

Surrogate Recoveries:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane: | 115% | 115% | 97% | 118% | 125% | 115% | --- | --- |
| ααα-Trifluorotoluene: | 116% | 122% | 93% | 121% | 128% | 109% | --- | --- |

U = Analyzed, not detected.
J = Present at less than detection limit
NS = Not spiked
B = Present in blank.
E = Outside calibration range.

# BLM LEE ACRES - 8010/8020 RESULTS

Date Analyzed: 01/09/90

SAMPLE INFORMATION

| Sample ID: | HP26 D | HP26MS | HP1435 | HP1531 | HP1536 | HP16 | Detection Limit |
|---|---|---|---|---|---|---|---|
| DF: | 1 | 1 | 1 | 1 | 1 | 1 | -- |
| Units: | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| Analytes | | | | | | | |
| Bromomethane | 10U | NS | 10U | 10U | 10U | 10U | 10 |
| Vinyl chloride | 5U | NS | 5U | 5U | 5U | 5U | 5 |
| Chloroethane | 5U | NS | 5U | 5U | 5U | 5U | 5 |
| Dichloromethane | 5U | NS | 5U | 5U | 5U | 5U | 5 |
| Trichlorofluoromethane | 2U | NS | 2U | 2U | 2U | 2U | 2 |
| 1,1-Dichloroethene | 2U | NS | 2U | 2U | 2U | 2U | 2 |
| 1,1-Dichloroethane | 2U | NS | 4.0 | 2U | 2U | 2U | 2 |
| trans-1,2-Dichloroethene | 2U | 75% | 3.8 | 2U | 1.8J | 2U | 2 |
| Chloroform | 2U | NS | 7.2 | 7.5 | 11 | 46 | 2 |
| 1,2-Dichloroethane | 2U | 55% | 2U | 8.0 | 2U | 2U | 2 |
| 1,1,1-Trichloroethane | 2U | 115% | 2U | 2U | 2U | 2U | 2 |
| Carbon tetrachloride | 2U | NS | 2U | 2U | 2U | 2U | 2 |
| Bromodichloromethane | 2U | 114% | 2U | 2U | 2U | 2U | 2 |
| 1,2-Dichloropropane | 2U | NS | 2U | 2U | 2U | 2U | 2 |
| cis-1,3-Dichloropropene | 2U | 119% | 2U | 2U | 2U | 2U | 2 |
| Trichloroethene | 2U | NS | 2U | 5.9 | 2U | 2U | 2 |
| Dibromochloromethane | 2U | NS | 2U | 2U | 2U | 2U | 2 |
| 1,1,2-Trichloroethane | 2U | NS | 2U | 2U | 2U | 2U | 2 |
| trans-1,3-Dichloropropene | 2U | 106% | 2U | 2U | 2U | 2U | 2 |
| 2-chloroethylvinyl ether | 5U | NS | 5U | 5U | 5U | 5U | 5 |
| Bromoform | 10U | 110% | 10U | 10U | 10U | 10U | 10 |
| 1,1,2,2-Tetrachloroethane | 2U | 150% | 2U | 2U | 2U | 2U | 2 |
| Tetrachloroethene | 2U | NS | 2U | 2U | 2U | 2U | 2 |
| Chlorobenzene | 2U | NS | 2U | 2U | 2U | 2U | 2 |
| 1,3-Dichlorobenzene | 5U | NS | 5U | 5U | 5U | 5U | 5 |
| 1,2-Dichlorobenzene | 5U | NS | 5U | 5U | 5U | 5U | 5 |
| 1,4-Dichlorobenzene | 5U | NS | 5U | 5U | 5U | 5U | 5 |
| Benzene | 2U | 103% | 2U | 2U | 2U | 2U | 2 |
| Toluene | 2U | 100% | 2U | 2U | 2U | 2U | 2 |
| Ethylbenzene | 2U | 115% | 2U | 2U | 2U | 2U | 2 |
| m-Xylene | 2U | NS | 2U | 2U | 2U | 2U | 2 |
| o,p-Xylene | 2U | NS | 2U | 2U | 2U | 2U | 2 |
| Surrogate Recoveries: | | | | | | | |
| Bromochloromethane: | 107% | 114% | 102% | 85% | 104% | 92% | --- |
| ααα-Trifluorotoluene: | 81% | 116% | 73% | 72% | 81% | 76% | --- |

U = Analyzed, not detected.
J = Present at less than detection limit
NS = Not spiked
B = Present in blank.
E = Outside calibration range.

ROY F. WESTON INC
CHLORIDE CASE NARRATIVE

CLIENT: BLM/LEE ACRES

The samples were received by Weston's mobile laboratory and analyzed for chloride using EPA Method 325.3 (Titrimetric, Mercuric Nitrate).

The following is a summary of the QA/QC results:

- All required holding times were met.
- All method blanks were anaylzed below detection limits.
- All replicates were within mobile lab guidelines.
- All blank spike recoveries were within control limits.



Anthony B. Melon
Project Scientist
Weston Analytics mobile services

ROY F.WESTON INC.

CHLORIDE DATA SUMMARY REPORT

CLIENT: BLM/LEE ACRES

| SAMPLE ID | ANAYLTE | RESULT | UNITS | DETECTION LIMIT |
|---|---|---|---|---|
| HP01 | CHLORIDE | 67 | MG/L | 1.0 |
| HP02 | CHLORIDE | 45 | MG/L | 1.0 |
| HP03 | CHLORIDE | 80 | MG/L | 1.0 |
| HP03 DUP | CHLORIDE | 82 | MG/L | 1.0 |
| HP04 | CHLORIDE | 100 | MG/L | 1.0 |
| HP05 | CHLORIDE | 44 | MG/L | 1.0 |
| HP06 | CHLORIDE | 160 | MG/L | 1.0 |
| HP07 | CHLORIDE | 190 | MG/L | 1.0 |
| HP07 DUP | CHLORIDE | 190 | MG/L | 1.0 |
| HP08 | CHLORIDE | 41 | MG/L | 1.0 |
| HP09 | CHLORIDE | 87 | MG/L | 1.0 |
| HP09 DUP | CHLORIDE | 88 | MG/L | 1.0 |
| HP10 | CHLORIDE | 200 | MG/L | 1.0 |
| HP10 FIELD DUP | CHLROIDE | 200 | MG/L | 1.0 |
| HP10 FIELD BLANK | CHLORIDE | <1 | MG/L | 1.0 |
| HP1331 | CHLORIDE | 150 | MG/L | 1.0 |
| HP1336 | CHLORIDE | 130 | MG/L | 1.0 |

ROY F. WESTON INC.

CHLORIDE DATA SUMMARY REPORT

CLIENT: BLM/LEE ACRES

| SAMPLE ID | ANALYTE | RESULT | UNITS | DETECTION LIMIT |
|---|---|---|---|---|
| HP1431 | CHLORIDE | 150 | MG/L | 1.0 |
| HP1431 DUP | CHLORIDE | 150 | MG/L | 1.0 |
| HP1435 | CHLORIDE | 140 | MG/L | 1.0 |
| HP1531 | CHLORIDE | 220 | MG/L | 1.0 |
| HP1536 | CHLORIDE | 250 | MG/L | 1.0 |
| HP1536 DUP | CHLORIDE | 250 | MG/L | 1.0 |
| HP16 | CHLORIDE | 26 | MG/L | 1.0 |
| HP17 | CHLORIDE | 30 | MG/L | 1.0 |
| HP17 FIELD DUP | CHLORIDE | 31 | MG/L | 1.0 |
| HP17 FIELD BLANK | CHLORIDE | <1 | MG/L | 1.0 |
| HP18 | CHLORIDE | 48 | MG/L | 1.0 |
| HP19 | CHLORIDE | 49 | MG/L | 1.0 |
| HP20 | CHLORIDE | 37 | MG/L | 1.0 |
| HP21 | CHLORIDE | 44 | MG/L | 1.0 |
| HP21 DUP | CHLORIDE | 43 | MG/L | 1.0 |
| HP22 | CHLORIDE | 110 | MG/L | 1.0 |
| HP23 | CHLORIDE | 520 | MG/L | 1.0 |
| HP24 | CHLORIDE | 1800 | MG/L | 5.0 |

Inorganic Results for
Hydro Punch Samples at BLM (Lee Acres)

| Sample ID | Bicarbonate (mg/l) | Bromide (mg/l) | Carbonate (mg/l) | Chloride by IC (mg/l) | Chloride (mg/l) | Iodide (mg/l) | Nitrate Nitrite (mg/l) | Tot. Kjedahl Nitrogen (mg/l) | Sulfide (mg/l) | Sulfate (mg/l) | Specific Conductivity (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HP1336 | -- | -- | -- | -- | 130 | -- | -- | -- | -- | -- | -- |
| HP 1331 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 883 | -- |
| HP 1336 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 786 | -- |
| HP1431 | -- | -- | -- | -- | 150 | -- | -- | -- | -- | -- | -- |
| HP 1431 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 911 | -- |
| HP1435 | -- | -- | -- | -- | 140 | -- | -- | -- | -- | -- | -- |
| HP 1435 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 892 | -- |
| HP1531 | -- | -- | -- | -- | 220 | -- | -- | -- | -- | -- | -- |
| HP1536 | -- | -- | -- | -- | 250 | -- | -- | -- | -- | -- | -- |
| HP 1531 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 622 | -- |
| HP 1536 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 790 | -- |
| HP16 | -- | -- | -- | -- | 26 | -- | -- | -- | -- | -- | -- |
| HP 1636 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 727 | -- |
| HP17 | -- | -- | -- | -- | 30 | -- | -- | -- | -- | -- | -- |
| HP17 FIELD DUP | -- | -- | -- | -- | 31 | -- | -- | -- | -- | -- | -- |
| HP 1743 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 700 | -- |
| HP 1743 DUP | -- | -- | -- | -- | -- | -- | -- | -- | -- | 852 | -- |
| HP 1743 RB | -- | -- | -- | -- | -- | -- | -- | -- | -- | 14.4 | -- |
| HP18 | -- | -- | -- | -- | 48 | -- | -- | -- | -- | -- | -- |
| HP 1848 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 674 | -- |
| HP19 | -- | -- | -- | -- | 49 | -- | -- | -- | -- | -- | -- |
| HP 1944 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 545 | -- |
| HP20 | -- | -- | -- | -- | 37 | -- | -- | -- | -- | -- | -- |
| HP 2035 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 597 | -- |
| HP21 | -- | -- | -- | -- | 44 | -- | -- | -- | -- | -- | -- |

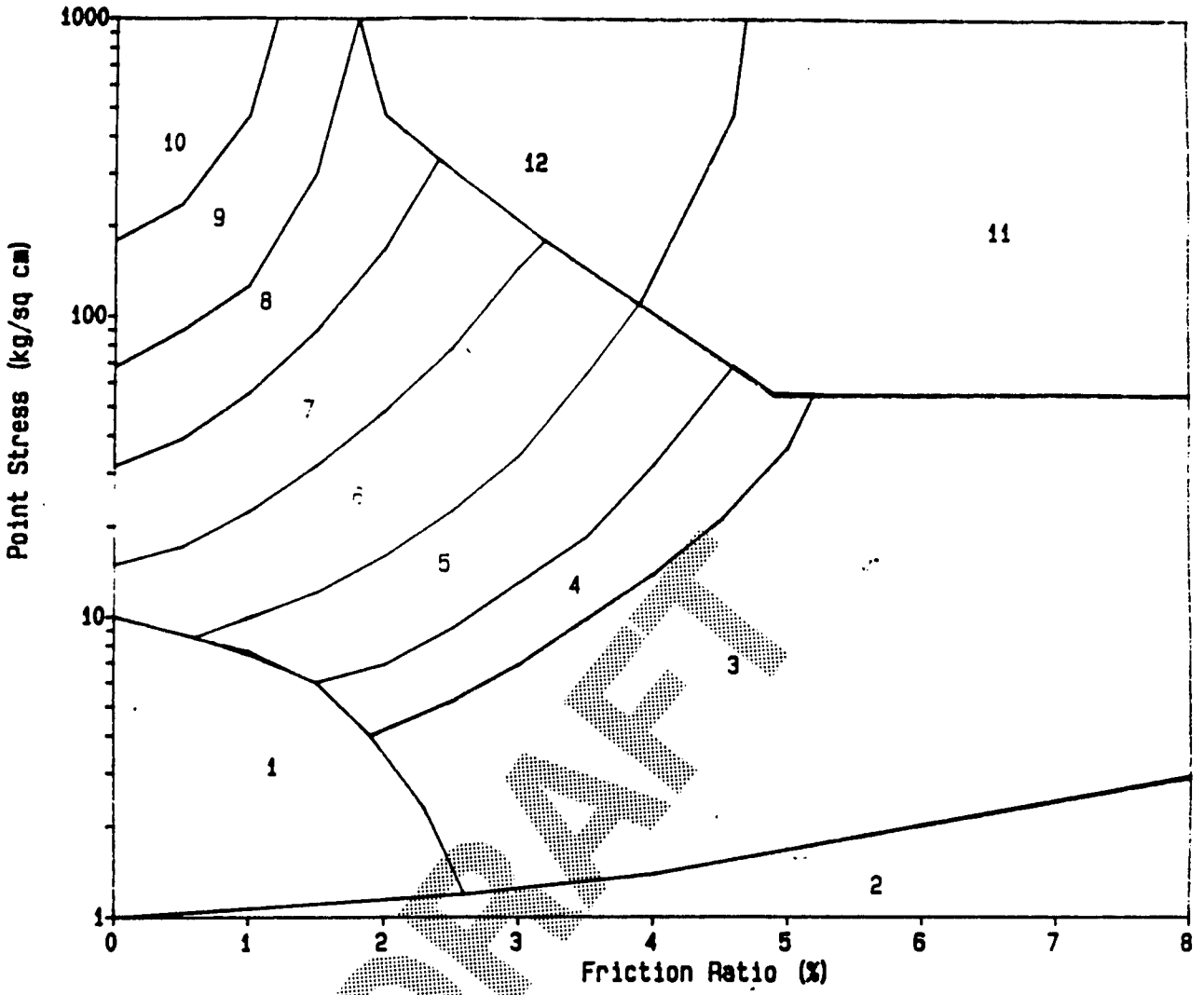


Notes: - Analyte not reported
- Analyte reported below detection

U - Analyzed but not detected
J - Present below detection limit

B - Present in laboratory blank

# Piezocone Classification Data






| Zone | Qc/N | Soil Behavior Type |
|---|---|---|
| 1 | 2.0 | Sensitive Fine Grained |
| 2 | 1.0 | Organic Material |
| 3 | 1.0 | CLAY |
| 4 | 1.5 | Silty CLAY to CLAY |
| 5 | 2.0 | clayey SILT to silty CLAY |
| 6 | 2.5 | sandy SILT to clayey SILT |
| 7 | 3.0 | silty SAND to sandy SILT |
| 8 | 4.0 | SAND to silty SAND |
| 9 | 5.0 | SAND |
| 10 | 6.0 | gravelly SAND to SAND |
| 11 | 1.0 | hard fine Grained Soil |
| 12 | 2.0 | cemented SAND to clayey SAND |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP80 File: 58CP80A.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 1.1 | 1.1 | 17.1 | 0.1 | 0.0 | 0.4 | 7 | silty SAND to sandy SILT | * | 3 | 32 | 5 | 106 | 0.07 | 6.4 |
| 2 | 1.1 | 12.8 | 11.7 | 96.7 | 1.2 | 0.7 | 1.1 | 8 | SAND to silty SAND | * | 26 | 39 | 51 | 251 | 0.78 | 5.9 |
| 3 | 12.8 | 20.6 | 7.8 | 92.5 | 1.0 | 1.5 | 1.0 | 8 | SAND to silty SAND | * | 24 | 39 | 48 | 246 | 1.23 | 3.9 |
| 4 | 20.6 | 23.4 | 2.8 | 48.4 | 1.1 | 6.1 | 2.3 | 6 | sandy SILT to clayey SILT | | 21 | 32 | 61 | 178 | 1.38 | 3.3 |
| 5 | 23.4 | 24.4 | 1.0 | 92.3 | 1.2 | 3.3 | 1.3 | 8 | SAND to silty SAND | * | 28 | 38 | 54 | 245 | 1.44 | 3.2 |
| 6 | 24.4 | 31.1 | 6.7 | 50.6 | 1.3 | 25.1 | 2.8 | 6 | sandy SILT to clayey SILT | | 26 | 31 | 71 | 182 | 1.84 | 3.5 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP81 File: 58CP81.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.7 | 0.7 | 3.5 | 0.0 | 0.0 | 0.1 | 1 | Sensitive Fine Grained Soil | * | 2 | | | 48 | 0.04 | 6.4 |
| 2 | 0.7 | 4.6 | 3.9 | 96.7 | 1.1 | 0.1 | 1.0 | 8 | SAND to silty SAND | * | 25 | 40 | 49 | 251 | 0.28 | 5.5 |
| 3 | 4.6 | 9.6 | 5.0 | 53.5 | 0.6 | 0.9 | 1.1 | 7 | silty SAND to sandy SILT | * | 13 | 36 | 41 | 187 | 0.57 | 4.3 |
| 4 | 9.6 | 14.7 | 5.1 | 99.6 | 1.5 | 1.4 | 1.2 | 8 | SAND to silty SAND | * | 29 | 39 | 54 | 255 | 0.88 | 3.8 |
| 5 | 14.7 | 22.9 | 8.2 | 27.7 | 1.5 | 47.1 | 5.9 | 3 | CLAY | | 27 | | | 134 | 1.36 | 3.8 |
| 6 | 22.9 | 24.4 | 1.5 | 20.7 | 1.2 | 45.0 | 6.2 | 3 | CLAY | | 21 | | | 116 | 1.44 | 3.2 |
| 7 | 24.4 | 30.6 | 6.2 | 50.1 | 1.4 | 31.1 | 3.0 | 6 | sandy SILT to clayey SILT | | 27 | 30 | 75 | 181 | 1.81 | 3.5 |
| 8 | 30.6 | 33.0 | 2.4 | 23.2 | 1.2 | 66.8 | 5.2 | 3 | CLAY | | 20 | | | 123 | 1.95 | 3.2 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP82 File: 58CP82.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.7 | 0.7 | 1.1 | 0.0 | 0.0 | 0.6 | 1 | Sensitive Fine Grained Soil | * | 2 | | | 27 | 0.04 | 6.4 |
| 2 | 0.7 | 6.3 | 5.6 | 92.9 | 1.1 | 0.0 | 1.0 | 8 | SAND to silty SAND | * | 24 | 40 | 48 | 246 | 0.38 | 5.7 |
| 3 | 6.3 | 8.7 | 2.4 | 55.7 | 0.5 | 0.0 | 1.0 | 7 | silty SAND to sandy SILT | * | 13 | 36 | 40 | 191 | 0.52 | 3.6 |
| 4 | 8.7 | 17.4 | 8.7 | 94.8 | 1.0 | 0.2 | 1.0 | 8 | SAND to silty SAND | * | 24 | 40 | 49 | 249 | 1.04 | 4.2 |
| 5 | 17.4 | 19.7 | 2.3 | 51.1 | 3.1 | 17.9 | 6.7 | 3 | CLAY | | 59 | | | 183 | 1.16 | 3.3 |
| 6 | 19.7 | 23.0 | 3.3 | 60.3 | 1.8 | 6.9 | 3.0 | 6 | sandy SILT to clayey SILT | | 34 | 31 | 81 | 198 | 1.36 | 3.4 |
| 7 | 23.0 | 25.9 | 2.9 | 36.1 | 2.0 | 58.3 | 6.2 | 3 | CLAY | | 40 | | | 153 | 1.53 | 3.3 |
| 8 | 25.9 | 31.3 | 5.4 | 23.3 | 1.2 | 88.9 | 5.2 | 3 | CLAY | | 20 | | | 123 | 1.85 | 3.4 |
| 9 | 31.3 | 41.6 | 10.3 | 131.2 | 0.9 | 36.5 | 0.8 | 9 | SAND | * | 29 | 41 | 53 | 293 | | |
| 10 | 41.6 | 43.7 | 2.1 | 41.6 | 1.9 | 52.2 | 4.7 | 4 | Silty CLAY to CLAY | | 35 | | | 165 | 2.58 | 3.2 |
| 11 | 43.7 | 46.7 | 3.0 | 117.4 | 1.5 | 27.8 | 1.3 | 8 | SAND to silty SAND | * | 37 | 40 | 61 | 277 | 2.76 | 3.2 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP83 File: 58CP83.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.8 | 0.8 | 4.3 | 0.1 | 0.0 | 2.3 | 3 | CLAY | | 3 | | | 53 | 0.05 | 6.4 |
| 2 | 0.8 | 2.5 | 1.7 | 100.0 | 3.8 | 0.0 | 2.4 | 7 | silty SAND to sandy SILT | | 49 | 36 | 81 | 255 | 0.15 | 4.8 |
| 3 | 2.5 | 9.0 | 6.5 | 49.1 | 0.7 | 0.3 | 1.5 | 7 | silty SAND to sandy SILT | * | 15 | 35 | 44 | 179 | 0.54 | 5.0 |
| 4 | 9.0 | 15.4 | 6.4 | 24.6 | 1.4 | 48.3 | 6.3 | 3 | CLAY | | 25 | | | 127 | 0.92 | 4.0 |
| 5 | 15.4 | 27.6 | 12.2 | 105.8 | 1.3 | 1.8 | 1.1 | 8 | SAND to silty SAND | * | 29 | 40 | 53 | 263 | 1.65 | 4.0 |
| 6 | 27.6 | 29.0 | 1.4 | 20.9 | 1.0 | 55.8 | 6.0 | 3 | CLAY | | 21 | | | 117 | 1.71 | 3.2 |
| 7 | 29.0 | 31.1 | 2.1 | 70.9 | 1.2 | 36.9 | 2.2 | 7 | silty SAND to sandy SILT | | 31 | 35 | 66 | 215 | 1.84 | 3.2 |
| 8 | 31.1 | 32.6 | 1.5 | 21.1 | 1.0 | 67.8 | 5.8 | 3 | CLAY | | 20 | | | 117 | 1.92 | 3.2 |
| 9 | 32.6 | 37.1 | 4.5 | 43.5 | 1.9 | 53.6 | 4.7 | 4 | silty CLAY to CLAY | | 37 | | | 168 | 2.19 | 3.3 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP84 File: 58CP84.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 1.6 | 1.6 | 1.5 | 0.0 | 0.0 | 4.8 | 2 | Organic Material | | 2 | | | 31 | 0.10 | 6.4 |
| 2 | 1.6 | 6.7 | 5.1 | 82.8 | 1.1 | 1.3 | 1.0 | 8 | SAND to silty SAND | * | 21 | 39 | 46 | 232 | 0.40 | 5.1 |
| 3 | 6.7 | 8.1 | 1.4 | 29.1 | 0.5 | 19.3 | 2.8 | 6 | sandy SILT to clayey SILT | | 14 | 28 | 60 | 138 | 0.48 | 3.4 |
| 4 | 8.1 | 12.4 | 4.3 | 99.6 | 1.8 | 1.3 | 1.2 | 8 | SAND to silty SAND | * | 29 | 39 | 54 | 255 | 0.74 | 3.8 |
| 5 | 12.4 | 14.4 | 2.0 | 52.1 | 0.5 | 2.5 | 0.9 | 7 | silty SAND to sandy SILT | * | 12 | 36 | 36 | 184 | 0.85 | 3.4 |
| 6 | 14.4 | 16.3 | 1.9 | 101.2 | 0.8 | 1.6 | 0.7 | 8 | SAND to silty SAND | * | 21 | 40 | 45 | 257 | 0.96 | 3.3 |
| 7 | 16.3 | 18.3 | 2.0 | 72.5 | 0.8 | 2.1 | 1.1 | 8 | SAND to silty SAND | * | 20 | 37 | 45 | 217 | 1.08 | 3.3 |
| 8 | 18.3 | 25.7 | 7.4 | 110.1 | 1.3 | 1.0 | 0.9 | 8 | SAND to silty SAND | * | 26 | 40 | 50 | 268 | 1.53 | 3.7 |
| 9 | 25.7 | 30.9 | 5.2 | 26.7 | 1.1 | 30.7 | 4.7 | 3 | CLAY | | 21 | | | 132 | 1.83 | 3.4 |
| 10 | 30.9 | 33.6 | 2.7 | 76.0 | 1.0 | 32.5 | 1.7 | 7 | silty SAND to sandy SILT | * | 27 | 36 | 59 | 223 | 1.98 | 3.2 |
| 11 | 33.6 | 43.6 | 10.0 | 147.2 | 1.9 | 32.8 | 1.2 | 8 | SAND to silty SAND | | 44 | 41 | 63 | 310 | 2.59 | 3.5 |

## Piezocone Sounding Test Results

Project: CPT NUMBER: CP111 File: 58CP111B.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.4 | 0.4 | 1.1 | 0.0 | 0.0 | 0.0 | 1 | Sensitive Fine Grained Soil | * | 2 | | | 27 | 0.02 | 6.4 |
| 2 | 0.5 | 0.9 | 0.4 | 1.2 | 0.0 | 0.0 | 4.7 | 2 | Organic Material | | 2 | | | 28 | 0.05 | 4.0 |
| 3 | 0.9 | 7.0 | 6.1 | 57.7 | 0.6 | 0.0 | 1.0 | 8 | SAND to silty SAND | * | 14 | 36 | 41 | 194 | 0.42 | 5.6 |
| 4 | 7.0 | 7.6 | 0.6 | 110.6 | 0.9 | 0.6 | 0.8 | 8 | SAND to silty SAND | * | 24 | 40 | 49 | 269 | 0.45 | 3.2 |
| 5 | 7.6 | 7.8 | 0.2 | 125.0 | 0.8 | 9.5 | 2.6 | 7 | silty SAND to sandy SILT | | 69 | 36 | 92 | 286 | 0.46 | 3.1 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP117 File: 58CP117.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.7 | 0.7 | 1.7 | 0.0 | 0.0 | 0.2 | 1 | Sensitive Fine Grained Soil | * | 2 | | | 33 | 0.04 | 6.4 |
| 2 | 0.7 | 3.5 | 2.8 | 46.2 | 0.2 | 0.7 | 0.3 | 8 | SAND to silty SAND | * | 6 | 36 | 24 | 174 | 0.21 | 5.3 |
| 3 | 3.5 | 4.1 | 0.6 | 92.6 | 2.1 | 1.1 | 2.2 | 7 | silty SAND to sandy SILT | | 43 | 36 | 72 | 246 | 0.24 | 3.4 |
| 4 | 4.1 | 13.5 | 9.4 | 90.1 | 0.8 | 1.1 | 0.7 | 8 | SAND to silty SAND | * | 18 | 40 | 43 | 242 | 0.81 | 4.9 |
| 5 | 13.5 | 15.9 | 2.4 | 51.9 | 1.2 | 2.3 | 2.7 | 6 | sandy SILT to clayey SILT | | 25 | 31 | 69 | 184 | 0.94 | 3.4 |
| 6 | 16.0 | 18.1 | 2.1 | 24.3 | 1.4 | 31.1 | 6.0 | 3 | CLAY | | 24 | | | 126 | 1.07 | 3.3 |
| 7 | 18.1 | 20.7 | 2.6 | 34.2 | 1.1 | 12.5 | 3.6 | 5 | clayey SILT to silty CLAY | | 21 | | | 149 | 1.22 | 3.3 |
| 8 | 20.7 | 28.7 | 8.0 | 76.8 | 1.1 | 9.8 | 1.5 | 7 | silty SAND to sandy SILT | * | 25 | 37 | 54 | 224 | 1.70 | 3.6 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP118 File: 58CP118.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.8 | 0.8 | 2.5 | 0.1 | 0.0 | 1.0 | 1 | Sensitive Fine Grained Soil | | 2 | | | 40 | 0.05 | 6.4 |
| 2 | 0.8 | 7.7 | 6.9 | 84.5 | 0.8 | 0.0 | 0.8 | 8 | SAND to silty SAND | * | 18 | 39 | 44 | 235 | 0.47 | 5.8 |
| 3 | 7.7 | 9.8 | 2.1 | 61.3 | 1.5 | 5.2 | 3.0 | 6 | sandy SILT to clayey SILT | | 35 | 31 | 82 | 200 | 0.58 | 3.5 |
| 4 | 9.8 | 11.3 | 1.5 | 53.7 | 4.0 | 32.5 | 7.4 | 3 | CLAY | | 66 | | | 187 | 0.67 | 3.3 |
| 5 | 11.3 | 17.9 | 6.6 | 91.8 | 7.4 | 34.4 | 6.8 | 11 | hard fine Grained Soil | | 100 | 23 | 100 | 245 | 1.07 | 3.3 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP119
Unit Weight: 115 pcf
Water Depth: 100 ft

File: 58CP119.OUT

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.9 | 0.9 | 1.1 | 0.0 | 0.0 | 0.3 | 1 | Sensitive Fine Grained Soil | * | 2 | | | 27 | 0.05 | 6.4 |
| 2 | 0.9 | 16.0 | 15.1 | 72.6 | 0.9 | 2.1 | 1.1 | 8 | SAND to silty SAND | * | 20 | 37 | 45 | 218 | 0.97 | 6.0 |
| 3 | 16.0 | 18.3 | 2.3 | 102.8 | 9.2 | 27.6 | 6.2 | 11 | hard fine Grained Soil | | 100 | 24 | 100 | 259 | 1.08 | 3.3 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP120 File: 58CP120.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.6 | 0.6 | 2.2 | 0.0 | 1.0 | 0.5 | 1 | Sensitive Fine Grained Soil | * | 2 | | | 38 | 0.04 | 6.4 |
| 2 | 0.6 | 1.9 | 1.3 | 87.9 | 1.5 | 1.0 | 1.2 | 8 | SAND to silty SAND | * | 25 | 38 | 51 | 239 | 0.11 | 4.8 |
| 3 | 1.9 | 11.9 | 10.0 | 51.3 | 0.6 | 1.2 | 1.2 | 7 | silty SAND to sandy SILT | * | 14 | 35 | 42 | 183 | 0.72 | 5.5 |
| 4 | 11.9 | 12.8 | 0.9 | 29.3 | 1.7 | 35.0 | 6.3 | 3 | CLAY | | 30 | | | 138 | 0.76 | 3.2 |
| 5 | 12.8 | 13.4 | 0.6 | 66.3 | 2.4 | 34.6 | 3.7 | 5 | clayey SILT to silty CLAY | | 47 | | | 208 | 0.79 | 3.2 |
| 6 | 13.3 | 20.5 | 7.2 | 94.2 | 7.8 | 26.9 | 6.9 | 11 | hard fine Grained Soil | | 100 | 23 | 100 | 248 | 1.22 | 3.8 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP121 File: 58CP121A.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 1.7 | 1.7 | 1.2 | 0.0 | 0.0 | 2.3 | 1 | Sensitive Fine Grained Soil | | 2 | | | 28 | 0.10 | 6.4 |
| 2 | 1.7 | 3.9 | 2.2 | 36.4 | 0.3 | 0.4 | 0.8 | 7 | silty SAND to sandy SILT | * | 8 | 35 | 27 | 154 | 0.23 | 4.4 |

## Piezocone Sounding Test Results

Project: CPT NUMBER: CP121 File: 58CP1218.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 1.7 | 1.7 | 85.7 | 1.9 | 0.0 | 1.8 | 7 | silty SAND to sandy SILT | * | 32 | 36 | 63 | 236 | 0.10 | 6.4 |
| 2 | 1.7 | 3.8 | 2.1 | 83.2 | 4.6 | 4.3 | 5.4 | 11 | hard fine Grained Soil | | 97 | 25 | 100 | 233 | 0.23 | 4.4 |
| 3 | 3.8 | 4.6 | 0.8 | 55.3 | 3.4 | 22.6 | 6.3 | 11 | hard fine Grained Soil | | 62 | 23 | 100 | 190 | 0.27 | 3.4 |
| 4 | 4.5 | 9.3 | 4.8 | 71.4 | 4.8 | 32.1 | 6.6 | 11 | hard fine Grained Soil | | 92 | 23 | 100 | 216 | 0.56 | 4.3 |
| 5 | 9.3 | 10.0 | 0.7 | 109.1 | 9.0 | 2.0 | 3.4 | 6 | sandy SILT to clayey SILT | | 80 | 33 | 100 | 267 | 0.59 | 3.2 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP122 File: 58CP122.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.5 | 0.5 | 1.8 | 0.1 | -0.1 | 0.9 | 1 | Sensitive Fine Grained Soil | | 2 | | | 34 | 0.03 | 6.4 |
| 2 | 0.6 | 1.5 | 0.9 | 68.2 | 2.6 | 0.1 | 3.1 | 6 | sandy SILT to clayey SILT | | 42 | 31 | 86 | 211 | 0.09 | 4.5 |
| 3 | 1.5 | 2.3 | 0.8 | 108.3 | 6.2 | 0.0 | 3.8 | 6 | sandy SILT to clayey SILT | | 93 | 32 | 100 | 266 | 0.14 | 3.3 |
| 4 | 2.2 | 3.9 | 1.7 | 104.0 | 5.0 | 1.0 | 2.8 | 6 | sandy SILT to clayey SILT | | 59 | 35 | 92 | 260 | 0.23 | 4.0 |
| 5 | 3.9 | 4.2 | 0.3 | 120.0 | 6.6 | 0.0 | 1.1 | 8 | SAND to silty SAND | * | 35 | 40 | 57 | 280 | 0.25 | 3.2 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP123 File: 58CP123.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.3 | 0.3 | 6.5 | 0.1 | 0.0 | 0.3 | 1 | Sensitive Fine Grained Soil | * | 2 | | | 65 | 0.32 | 6.4 |
| 2 | 0.3 | 8.9 | 8.6 | 74.3 | 0.8 | 0.8 | 1.0 | 8 | SAND to silty SAND | * | 19 | 38 | 44 | 220 | 0.54 | 6.2 |
| 3 | 8.9 | 11.9 | 3.0 | 52.8 | 0.9 | 1.7 | 1.9 | 7 | silty SAND to sandy SILT | * | 21 | 34 | 54 | 186 | 0.71 | 3.6 |
| 4 | 11.9 | 13.4 | 1.5 | 22.3 | 1.2 | 26.7 | 6.0 | 3 | CLAY | | 22 | | | 121 | 0.79 | 3.3 |
| 5 | 13.3 | 16.2 | 2.9 | 52.9 | 0.8 | 5.1 | 2.0 | 7 | silty SAND to sandy SILT | * | 21 | 34 | 57 | 186 | 0.96 | 3.4 |
| 6 | 16.3 | 17.4 | 1.1 | 26.8 | 1.4 | 33.0 | 6.0 | 3 | CLAY | | 26 | | | 132 | 1.03 | 3.2 |
| 7 | 17.3 | 18.4 | 1.1 | 39.6 | 1.2 | 14.4 | 3.3 | 5 | clayey SILT to silty CLAY | | 23 | | | 161 | 1.09 | 3.2 |
| 8 | 18.4 | 19.0 | 0.6 | 23.2 | 1.1 | 39.8 | 6.1 | 3 | CLAY | | 23 | | | 123 | 1.12 | 3.2 |
| 9 | 19.0 | 20.9 | 1.9 | 38.1 | 1.1 | 22.4 | 3.1 | 5 | clayey SILT to silty CLAY | | 21 | | | 158 | 1.23 | 3.3 |
| 10 | 20.9 | 21.4 | 0.5 | 33.2 | 1.5 | 19.9 | 5.1 | 3 | CLAY | | 28 | | | 147 | 1.26 | 3.1 |
| 11 | 21.5 | 22.4 | 0.9 | 45.6 | 1.0 | 8.4 | 2.5 | 6 | sandy SILT to clayey SILT | | 21 | 31 | 63 | 172 | 1.32 | 3.2 |
| 12 | 22.4 | 23.0 | 0.6 | 31.2 | 1.3 | 21.9 | 5.2 | 3 | CLAY | | 27 | | | 143 | 1.36 | 3.1 |
| 13 | 23.0 | 23.8 | 0.8 | 31.1 | 1.3 | 44.8 | 4.5 | 4 | Silty CLAY to CLAY | | 23 | | | 142 | 1.40 | 3.2 |
| 14 | 23.8 | 24.9 | 1.1 | 46.3 | 1.2 | 20.6 | 2.7 | 6 | sandy SILT to clayey SILT | | 23 | 31 | 67 | 174 | 1.47 | 3.2 |
| 15 | 24.9 | 31.0 | 6.1 | 21.9 | 1.0 | 50.7 | 4.9 | 3 | CLAY | | 17 | | | 120 | 1.84 | 3.5 |
| 16 | 31.0 | 33.2 | 2.2 | 86.1 | 2.1 | 26.6 | 1.2 | 8 | SAND to silty SAND | * | 24 | 38 | 50 | 237 | 1.96 | 3.2 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP124 File: 58CP124.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.8 | 0.8 | 1.3 | 0.0 | 0.0 | 1.3 | 1 | Sensitive Fine Grained Soil | | 2 | | | 29 | 0.05 | 6.4 |
| 2 | 0.8 | 13.7 | 12.9 | 74.8 | 0.6 | 0.7 | 0.8 | 8 | SAND to silty SAND | * | 16 | 38 | 42 | 221 | 0.83 | 6.3 |
| 3 | 13.7 | 19.6 | 5.9 | 101.0 | 1.1 | 1.2 | 0.8 | 8 | SAND to silty SAND | * | 22 | 40 | 47 | 257 | 1.17 | 3.7 |
| 4 | 19.6 | 22.1 | 2.5 | 57.6 | 1.9 | 5.2 | 3.3 | 6 | sandy SILT to clayey SILT | | 36 | 30 | 86 | 194 | 1.31 | 3.3 |
| 5 | 22.1 | 23.6 | 1.5 | 20.1 | 0.9 | 45.8 | 5.7 | 3 | CLAY | | 19 | | | 115 | 1.39 | 3.2 |
| 6 | 23.7 | 29.3 | 5.6 | 72.8 | 0.9 | 20.3 | 1.4 | 7 | silty SAND to sandy SILT | * | 23 | 37 | 50 | 218 | 1.74 | 3.5 |
| 7 | 29.3 | 29.7 | 0.4 | 44.0 | 1.0 | 50.3 | 4.8 | 4 | silty CLAY to CLAY | | 39 | | | 169 | 1.75 | 3.1 |
| 8 | 29.8 | 31.0 | 1.2 | 79.4 | 1.5 | 56.8 | 2.1 | 7 | silty SAND to sandy SILT | | 34 | 35 | 66 | 228 | 1.83 | 3.2 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP125 File: 58CP125.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.6 | 0.6 | 1.3 | 0.0 | 0.0 | 0.4 | 1 | Sensitive Fine Grained Soil | * | 2 | | | 29 | 0.04 | 6.4 |
| 2 | 0.6 | 17.0 | 16.4 | 78.6 | 0.9 | 0.8 | 1.1 | 8 | SAND to silty SAND | * | 21 | 38 | 47 | 226 | 1.03 | 6.2 |
| 3 | 17.0 | 21.0 | 4.0 | 101.0 | 8.2 | 14.5 | 6.4 | 11 | hard fine Grained Soil | | .. 100 | 24 | 100 | 257 | 1.24 | 3.5 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP126 File: 58CP126.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.6 | 0.6 | 1.9 | 0.0 | 0.0 | 0.3 | 1 | Sensitive Fine Grained Soil | * | 2 | | | 35 | 0.04 | 6.4 |
| 2 | 0.6 | 5.6 | 5.0 | 67.7 | 0.6 | 0.0 | 0.9 | 8 | SAND to silty SAND | * | 15 | 37 | 42 | 210 | 0.34 | 5.8 |
| 3 | 5.6 | 12.3 | 6.7 | 100.4 | 1.9 | 0.0 | 1.1 | 8 | SAND to silty SAND | * | 28 | 40 | 52 | 256 | 0.74 | 4.3 |
| 4 | 12.3 | 15.9 | 3.6 | 89.7 | 1.1 | 0.5 | 1.3 | 8 | SAND to silty SAND | * | 27 | 38 | 53 | 242 | 0.94 | 3.5 |
| 5 | 15.9 | 16.4 | 0.5 | 94.0 | 3.9 | 2.6 | 4.2 | 11 | hard fine Grained Soil | | 84 | 29 | 100 | 248 | 0.97 | 3.2 |
| 6 | 16.4 | 17.9 | 1.5 | 102.7 | 2.6 | 2.6 | 1.6 | 7 | silty SAND to sandy SILT | * | 37 | 38 | 63 | 259 | 1.06 | 3.2 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP127 File: 58CP127.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 1.1 | 1.1 | 6.8 | 0.1 | 0.0 | 0.7 | 1 | Sensitive Fine Grained Soil | * | 2 | | | 67 | 0.07 | 6.4 |
| 2 | 1.1 | 6.3 | 5.2 | 73.0 | 0.7 | 0.0 | 1.0 | 8 | SAND to silty SAND | * | 18 | 38 | 44 | 218 | 0.38 | 5.4 |
| 3 | 6.2 | 14.6 | 8.4 | 97.2 | 3.5 | 1.0 | 2.9 | 6 | sandy SILT to clayey SILT | | 56 | 34 | 92 | 252 | 0.88 | 4.4 |
| 4 | 14.7 | 15.3 | 0.6 | 110.0 | 7.9 | 2.6 | 3.3 | 6 | sandy SILT to clayey SILT | | 78 | 33 | 100 | 268 | 0.90 | 3.2 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP128 File: 58CP128.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.4 | 0.4 | 1.1 | 0.0 | -0.2 | 0.1 | 1 | Sensitive Fine Grained Soil | * | 2 | | | 27 | 0.02 | 6.4 |
| 2 | 0.4 | 7.5 | 7.1 | 67.1 | 0.8 | 0.0 | 1.0 | 8 | SAND to silty SAND | * | 17 | 37 | 43 | 209 | 0.45 | 6.1 |
| 3 | 7.5 | 14.1 | 6.6 | 71.4 | 5.2 | 23.3 | 6.6 | 11 | hard fine Grained Soil | | 92 | 23 | 100 | 216 | 0.84 | 4.1 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP129 File: S8CP129.OUT
Unit Weight: 115 pcf
Water Depth: 100 ft

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.5 | 0.5 | 1.1 | 0.0 | 0.0 | 0.4 | 1 | Sensitive Fine Grained Soil | * | 2 | | | 27 | 0.33 | 6.4 |
| 2 | 0.4 | 5.0 | 4.6 | 78.0 | 1.5 | 0.3 | 1.8 | 7 | silty SAND to sandy SILT | * | 29 | 36 | 61 | 226 | 0.30 | 5.9 |
| 3 | 5.1 | 9.2 | 4.1 | 98.0 | 6.4 | 8.5 | 5.8 | 11 | Hard fine Grained Soil | | 100 | 25 | 100 | 253 | 0.55 | 4.0 |

Piezocone Sounding Test Results

Project: CPT NUMBER: CP130
Unit Weight: 115 pcf
Water Depth: 100 ft

File: 58CP130.OUT

| Lyr # | From (ft) | To (ft) | Thick (ft) | Point Stress (tsf) | Sleeve Stress (tsf) | Elec Cond (mmh/m) | Frict Ratio (%) | Mat Zone | Material Behavior Type | Liq Pot | Blow / Ft (#) | Frict Angle (deg) | Rel Den (%) | Young Mod (tsf) | Undrnd Strngth (tsf) | OCR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 1.9 | 1.9 | 1.4 | 0.2 | 0.0 | 4.0 | 3 | CLAY | | 2 | | | 30 | 0.12 | 6.4 |
| 2 | 1.9 | 2.4 | 0.5 | 79.8 | 2.5 | 0.4 | 1.0 | 8 | SAND to silty SAND | * | 21 | 38 | 45 | 228 | 0.14 | 3.5 |

# EXPLANATION OF GEOLOGIC LOGS

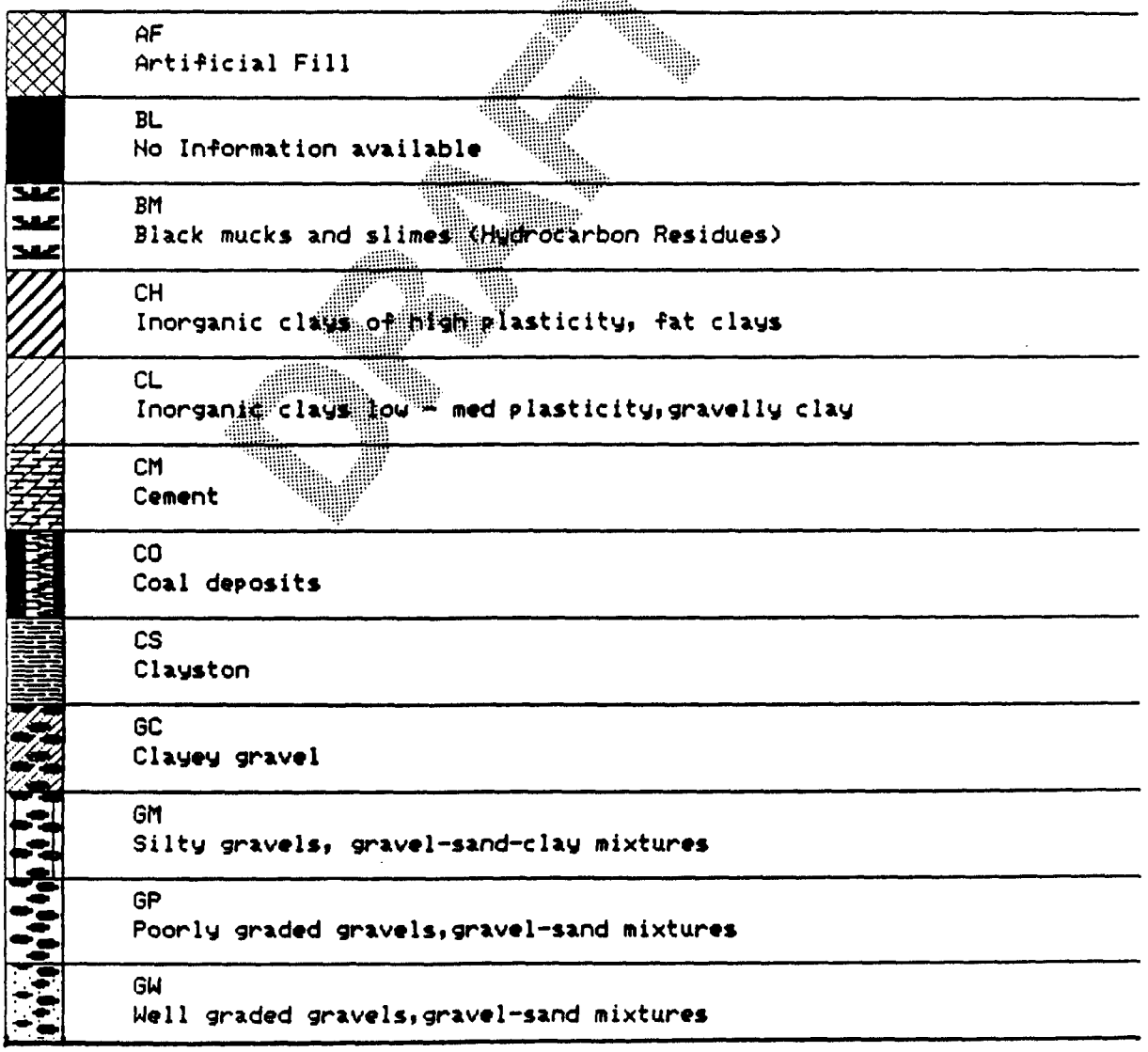
**WELL TYPE:**

SA-screened in the shallow alluvial aquifer
DA-screened in the deep alluvial aquifer, just above bedrock
BR-screened in the bedrock aquifer

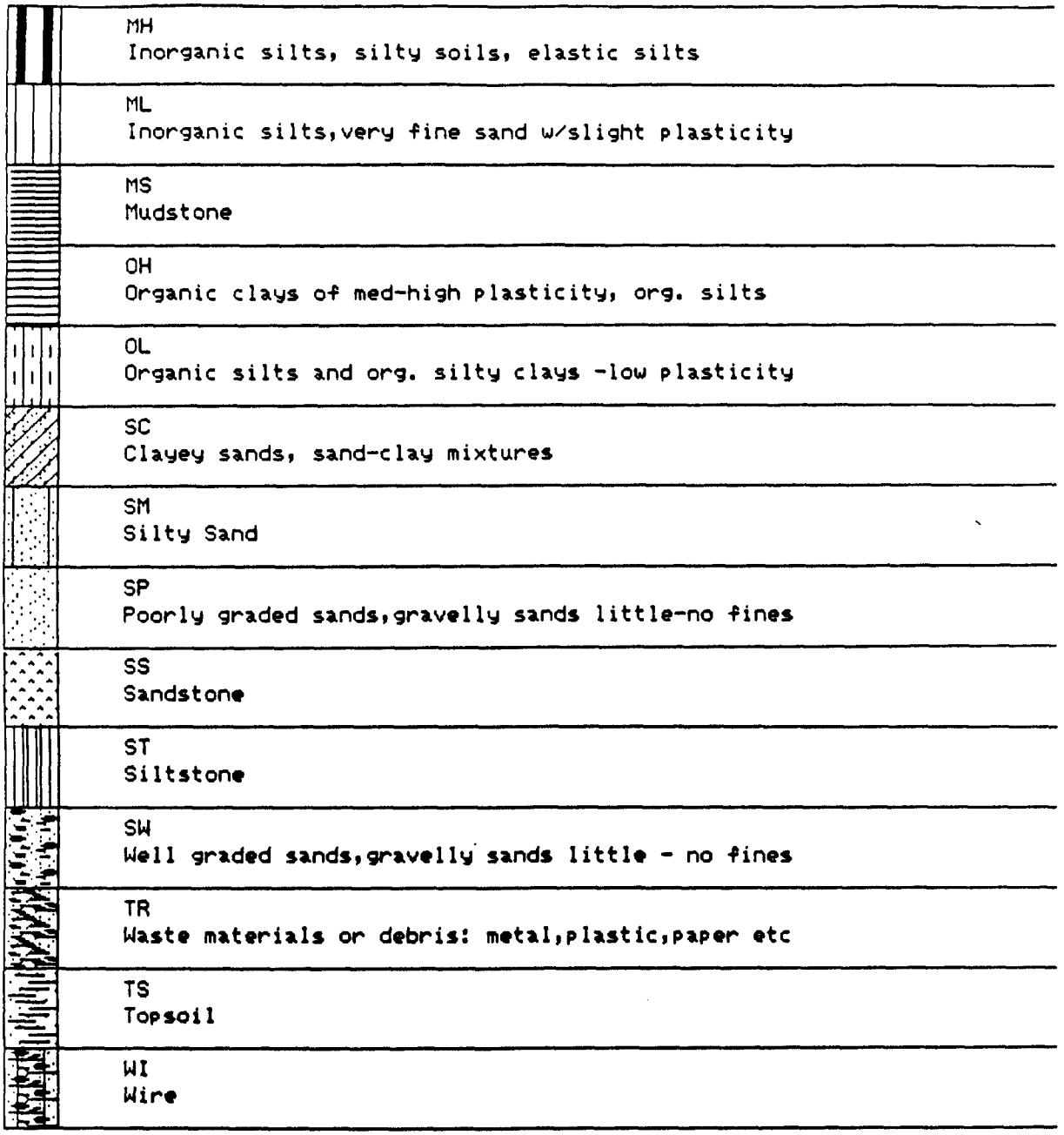
**SAMPLE ANALYSIS (COLUMN LABELED "A"):**

GS-typical geochemical suite for VOAs, Pesticides/PCBs, BNAs, and metals.
VO-VOAs only
MO-metals only
GT-geotechnical analysis
OA-other analysis

**LITHOLOGIC MATERIALS GRAPHICS (COLUMN LABELED "LITH"):**



LITHOLOGIC MATERIALS GRAPHICS (COLUMN LABELED "LITH"):



## WELL CONSTRUCTION MATERIALS GRAPHICS (COLUMN LABELED "WELL CONSTRUCT"):

BC
Solid pipe surrounded by Bentonite-Cement Grout.

BF
10/20 Silica sand backfill without pipe

BP
Solid pipe surrounded by 1/4" bentonite pellets

BS
Solid pipe surrounded by bentonite slurry

NB
Natural sediment backfill or sluff in bh wo/pipe

SB
1/4" bentonite pellet seal without pipe

SL
Slotted pipe surrounded by 10/20 Silica sand.

SM
Solid pipe surrounded by 70 mesh Silica Sand

SS
Solid pipe surrounded by 10/20 Silica Sand



## SAMPLE TYPE GRAPHICS (COLUMN LABELED "T"):

CB
Augered using center bit - no sample

CC
Continuous core samp using 3 3/8" ID split barrel

DB
Drive sp samp using 2" ID split sp w/brass liners

DS
Drive spoon sample using 2" ID split spoon

RC
Continuous core sample using 3" ID split barrel

# GEOLOGIC LOG

## LEE ACRES LANDFILL

Project Number: 2878-04-01-0004



| | | | |
|---|---|---|---|
| **Borehole/Well Id:** | BH30 | **Drilling Company:** | STEWART BROTHERS |
| **Northing (ft):** | 2077225 | **Driller:** | T. RODRIGUEZ |
| **Easting (ft):** | 423645 | **Rig Type:** | FAILING F-10 |
| **Ground Surface Elev (ft):** | 5418 | **Drilling Method:** | AUGER |
| **Top of Casing Elev (ft):** | NA | **Drilling Fluid:** | NONE |
| **Total Depth (ft):** | 22.5 | **Date Started:** | 3/13/90 |
| **Logged By:** | E.LARSON/E.MIGNARDOT | **Date Completed:** | 3/13/90 |
| **Checked By:** | MICHAEL SKELLY | **Well Type:** | NA |
| **Comments:** | Two geochemical and one geotechnical sample collected. | | |

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | TS | **TOPSOIL**<br>0.0 to 0.9': SILT AND CLAY; dark yellowish brown (10YR 4/2); firm; moist; trace fine sand; trace roots. | Instrument Background Levels:<br>HNU = 1.2 Units<br>OVA = 1.0 PPM<br>CGI = 0.0% LEL<br>O2 = 21%<br>H2S = 0.0 PPM<br>All readings in breathing zone, |
| | | | | | | SM | **ALLUVIUM**<br>0.9 to 2.8': SAND AND SILT; very pale orange (10YR 8/2); compact; dry; very fine to medium grained; trace gravel. | |
| 5 | | | | | | SW | 2.8 to 3.5': SAND; grayish orange (10YR 7/4); loose; dry; fine to very coarse grained; trace silt; trace gravel.<br>5.0 to 5.6': SAND; as above. | on cuttings and on core: are background unless otherwise noted.<br>00.0 to 05.0' Sample Recovered 03.5/05.0' = 70% |
| | | | GS | 3006 | | ML | 5.6 to 7.4': SILT; moderate yellowish brown (10YR 5/4); soft to slightly firm; damp; trace very fine to fine grained sand; trace clay; trace tiny caliche stringers.<br>7.4 to 10.0': NO RECOVERY; assume as above. | 05.0 to 10.0' Sample Recovered 02.4/05.0' = 48% |
| 10 | | | | | | SC | 10.0 to 14.4': CLAYEY SILTY SAND; dark yellowish brown (10YR 4/2); soft to firm; damp; homogeneous; very fine to medium grained; trace clay found as clasts; trace small gravel; trace tiny caliche pods and stringers. | 10.0 to 15.0' Sample Recovered 04.4/05.0' = 88% |
| 15 | | | | | | | | |

GROUNDWATER

| DEPTH | HOUR | DATE |
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WESTON

# GEOLOGIC LOG

**LEE ACRES LANDFILL**

Project Number: 2878-04-01-0004



**Borehole/Well Id:** BH30

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | GS | | | SC | 15.0 to 17.1': CLAYEY SILTY SAND; as above. | 15.0 to 17.5' Sample Recovered 02.1/02.5' = 84% |
| | | | | | | CL | 17.5 to 18.5': SILTY CLAY; dark yellowish brown (10YR 4/2) to pale brown (5YR 5/2); slightly firm; slightly plastic; dry; some fine to coarse sand; trace tiny to medium gravels. | 17.5 to 20.0' Sample Recovered 01.9/02.5' = 76% |
| 20 | | | GT | 30<br>210 | | CS | BEDROCK<br>18.5 to 19.4': CLAYSTONE; brownish gray (5YR 4/1); firm to stiff; dry; weathered; hackly in places; friable.<br>20.0 to 22.5': CLAYSTONE; as above; very stiff; slightly weathered; trace caliche stringers and along fracture planes; small gravel at 20.4'. | 20.0 to 22.5' Sample Recovered 02.5/02.5' = 100% |
| 25 | | | | | | | Total Depth = 22.5'. | |
| 30 | | | | | | | | |

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WESTON

# GEOLOGIC LOG

## LEE ACRES LANDFILL

Project Number: 2878-04-01-0004

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| | | | |
|---|---|---|---|
| **Borehole/Well Id:** | BH31 | **Drilling Company:** | STEWART BROTHERS |
| **Northing (ft):** | 2077210 | **Driller:** | T. RODRIGUEZ |
| **Easting (ft):** | 423795 | **Rig Type:** | FAILING F-10 |
| **Ground Surface Elev (ft):** | 5425 | **Drilling Method:** | AUGER |
| **Top of Casing Elev (ft):** | NA | **Drilling Fluid:** | NONE |
| **Total Depth (ft):** | 10.0 | **Date Started:** | 3/13/90 |
| **Logged By:** | ERIC LARSON | **Date Completed:** | 3/13/90 |
| **Checked By:** | MICHAEL SKELLY | **Well Type:** | NA |

**Comments:** Encountered large boulder at 6.0'; met refusal; redrilled borehole 5' south of original location; centerbit used from 0.0 to 7.5'; continuous sample used from 7.5 to 10.0'. One geochemical and one geotechnical sample collected.

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | TS | **TOPSOIL**<br>0.0 to 0.7': SAND, SILT, AND CLAY; dark yellowish brown (10YR 4/2); firm; moist; fine to medium grained; some roots. | Instrument Background Levels:<br>HNU = 1.3 Units<br>OVA = 1.0 PPM<br>CGI = 0.0% LEL<br>O2 = 21%<br>H2S = 0.0 PPM<br>All readings in breathing zone, on cuttings and on core: are background unless otherwise noted. |
| | | | GS | 3104 | | SM | **ALLUVIUM**<br>0.7 to 3.5': SILTY SAND; moderate yellowish brown; firm to stiff; damp; calcareous; very fine to medium grained; slightly cemented; some clay; trace caliche stringers; some caliche deposited throughout; trace iron oxide staining on grains. | 00.0 to 05.0' Sample<br>Recovered 03.5/05.0' = 70% |
| 5 | | | | | | | 5.0 to 6.0': SILTY SAND; as above; soft; moist; noncalcareous; trace caliche deposits; trace small to medium gravel. | 05.0 to 06.0' Sample<br>Recovered 00.4/01.0' = 40% |
| | | | | | | GW | 6.0 to 7.5': CENTERBIT USED; assume SANDY GRAVELS. | |
| | | | | | | CS | **BEDROCK**<br>7.5 to 10.0': CLAYSTONE; brownish gray (5YR 4/1) to dark gray (N3); very stiff to hard; dry; slightly friable; slightly weathered; hackly; trace tiny caliche nodules and stringers; trace limonite / hematite accretions on fractures surfaces and staining on grains. | 07.5 to 10.0' Sample<br>Recovered 02.9/02.5' = 116%<br>2' slough |
| 10 | | | GT | 31<br>098 | | | Total Depth = 10.0'. | |
| 15 | | | | | | | | |

GROUNDWATER

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# GEOLOGIC LOG

## LEE ACRES LANDFILL

Project Number: 2878-04-01-0004

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|---|---|---|---|
| **Borehole/Well Id:** | BH32 | **Drilling Company:** | STEWART BROTHERS |
| **Northing (ft):** | 2077110 | **Driller:** | T. RODRIGUEZ |
| **Easting (ft):** | 423630 | **Rig Type:** | FAILING F-10 |
| **Ground Surface Elev (ft):** | 5412 | **Drilling Method:** | AUGER |
| **Top of Casing Elev (ft):** | NA | **Drilling Fluid:** | NONE |
| **Total Depth (ft):** | 10.0 | **Date Started:** | 3/14/90 |
| **Logged By:** | ERIC LARSON | **Date Completed:** | 3/14/90 |
| **Checked By:** | MICHAEL SKELLY | **Well Type:** | NA |
| **Comments:** | One geochemical and one geotechnical sample collected. | | |

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | SW | **ALLUVIUM**<br>0.0 to 1.0': SAND; dark yellowish brown (10YR 4/2); slightly firm; damp; very fine to coarse grained; trace roots; trace small gravel; some silt.<br>1.0 to 5.0': NO RECOVERY; assume as above. | Instrument Background Levels:<br>HNU = Not operational<br>OVA = 1.0 PPM<br>CGI = 0.0% LEL<br>O2 = 21%<br>H2S = 0.0 PPM<br>All readings in breathing zone, on cuttings and on core: are background unless otherwise noted.<br>00.0 to 05.0' Sample<br>Recovered 01.0/05.0' = 20% |
| 5 | | | | | | | 5.0 to 5.2': SAND; moderate yellowish brown (10YR 5/4); loose; dry; very fine to very coarse grained; trace silt; trace tiny to medium gravel.<br>5.2 to 7.5': NO RECOVERY; assume as above; encountered SANDY GRAVELS from 7.0 to 7.5'. | 05.0 to 07.5' Sample<br>Recovered 00.2/02.5' = 8% |
| | | | GS | 3208 | | GW | 7.5 to 8.2': SANDY GRAVELS; grayish orange (10YR 7/4); loose; dry; very fine to very coarse grained; some (15%) silt; gravels are tiny to large; gravels are small to medium. | 07.5 to 10.0' Sample<br>Recovered 02.5/02.5' = 100% |
| 10 | | | GT | 32<br>908 | | CS | **BEDROCK**<br>8.2 to 10.0': CLAYSTONE; medium gray (N5) to medium dark gray (N4); very stiff to hard; dry; hackly; trace (2%) silt; trace limonite stringers. | |
| | | | | | | | Total Depth = 10.0'. | |
| 15 | | | | | | | | |

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# GEOLOGIC LOG

## LEE ACRES LANDFILL

Project Number: 2878-04-01-0004

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|---|---|---|---|
| **Borehole/Well Id:** | BH33 | **Drilling Company:** | STEWART BROTHERS |
| **Northing (ft):** | 2077035 | **Driller:** | T. RODRIGUEZ |
| **Easting (ft):** | 423713 | **Rig Type:** | FAILING F-10 |
| **Ground Surface Elev (ft):** | 5417 | **Drilling Method:** | AUGER |
| **Top of Casing Elev (ft):** | NA | **Drilling Fluid:** | NONE |
| **Total Depth (ft):** | 12.5 | **Date Started:** | 3/14/90 |
| **Logged By:** | ED MIGNARDOT | **Date Completed:** | 3/14/90 |
| **Checked By:** | MICHAEL SKELLY | **Well Type:** | NA |
| **Comments:** | One geochemical sample collected. | | |

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | SP | **ALLUVIUM**<br>0.0 to 2.3': SAND; pale yellowish brown (10YR 6/2) to dark yellowish brown (10YR 4/2); unconsolidated; damp to moist; fine to medium grained; homogeneous; some silt; trace roots.<br><br>2.5 to 3.0': SAND; as above. | Instrument Background Levels:<br>HNU = Not operational<br>OVA = 1.0 PPM<br>CGI = 0.0% LEL<br>O2 = 21%<br>All readings in breathing zone, on cuttings and on core: are background unless otherwise noted. |
| | | | GS | 3304 | | SM | 3.0 to 4.0': SILTY SAND; pale brown (5YR 5/2) to dark yellowish brown (10YR 4/2); firm; damp; very fine to medium grained; locally calcareous; trace clay; trace clay; trace gravels; trace caliche fragments. | 00.0 to 02.5' Sample<br>Recovered 02.3/02.5' = 92%<br>02.5 to 05.0' Sample<br>Recovered 01.5/02.5' = 60% |
| 5 | | | | | | SW | 5.0 to 7.5': SAND; pale yellowish brown (10YR 6/2) to dark yellowish brown (10YR 4/2); soft; damp; fine to coarse grained; some silt; trace roots; trace caliche deposits.<br><br>7.5 to 10.0': NO RECOVERY; assume as above; drill rate indicates SANDY GRAVEL encountered from 9.0 to 10.0'. | 05.0 to 07.5' Sample<br>Recovered 02.4/02.5' = 96%<br><br>07.5 to 10.0' Sample<br>Recovered 00.4/02.5' = 16% |
| | | | | | | GW | | |
| 10 | | | | | | SC | 10.0 to 10.2': CLAYEY SAND; pale brown (5YR 5/2) to grayish brown (10YR 3/2); soft; to firm; dry; very fine to coarse grained; weakly consolidated. | 10.0 to 11.5' Sample<br>Recovered 00.2/02.5' = 8% |
| | | | | | | CS | **BEDROCK**<br>11.5 to 11.6': CLAYSTONE; grayish brown (5YR 3/2) to moderate brown (5YR 3/4); very firm to stiff; dry; slightly hackly; locally friable; trace silt; trace caliche fragments. | 11.5 to 12.5' Sample<br>Recovered 00.1/01.0' = 10% |
| 15 | | | | | | | Total Depth = 12.5'. | |

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WESTON

# GEOLOGIC LOG

## LEE ACRES LANDFILL

Project Number: 2878-04-01-0004



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|---|---|---|---|
| **Borehole/Well Id:** | BH39 | **Drilling Company:** | STEWART BROTHERS |
| **Northing (ft):** | 2077080 | **Driller:** | T. RODRIGUEZ |
| **Easting (ft):** | 423160 | **Rig Type:** | FAILING F-10 |
| **Ground Surface Elev (ft):** | 5413 | **Drilling Method:** | AUGER |
| **Top of Casing Elev (ft):** | NA | **Drilling Fluid:** | NONE |
| **Total Depth (ft):** | 40.2 | **Date Started:** | 2/19/90 |
| **Logged By:** | ERIC LARSON | **Date Completed:** | 2/19/90 |
| **Checked By:** | MICHAEL SKELLY | **Well Type:** | NA |
| **Comments:** | BH39 was designed to determine top of bedrock depth and lithology - center bit was used to drill from surface to 39.3' - continous sampler was used to collect core samples from 39.3 to 40.2'. One geotechnical sample collected. | | |

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | BL | **ALLUVIUM**<br>0.0 to 37.8': CENTERBIT USED; no lithologic information available until 37.8'. | Instrument Background Levels:<br>HNU = 1.4 Units<br>OVA = Not operational<br>CGI = 0.0% LEL<br>O2 = 21%<br>H2S = 0.0 PPM<br>All readings in breathing zone, on cuttings and on core: are background unless otherwise noted. |
| 5 | | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |



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| GEOLOGIC LOG | LEE ACRES LANDFILL | Project Number: 2878-04-01-0004 | PAGE: 2 of 3 |
|---|---|---|---|

**Borehole/Well Id:** BH39

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | | | BL | | |
| 20 | | | | | | | | |
| 25 | | | | | | | | |
| 30 | | | | | | | | |

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WESTON

# GEOLOGIC LOG

**LEE ACRES LANDFILL**

Project Number: 2878-04-01-0004



**Borehole/Well Id:** BH39

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 35 | | | | | | BL | | 40.0 to 40.2' Sample Recovered 02.6/00.2' = 1300% 2.4' slough |
| | | | GT | 39 402 | | SW | 37.8 to 39.0': SAND; pale yellowish brown (10YR 6/2); soft; saturated; fine to coarse grained; trace (4%) silt; trace (3%) tiny gravel. | 39.3 to 40.0' Sample Recovered 02.2/00.7' = 314% 1.5' slough |
| 40 | | | | | | GW | 39.0 to 39.3': SANDY GRAVEL; dark yellowish brown (10YR 4/2); soft; saturated; very fine to coarse grained; some (12%) silt; trace (5%) clay. | |
| | | | | | | SS | **BEDROCK** 39.3 to 41.2': SANDSTONE; moderate yellowish brown (10YR 5/4) to brownish gray (5YR 4/1) to dark gray (N3); mottled in layers; firm to very hard; weakly to well cemented; noncalcareous; moist; fine to coarse grained; trace (5%) silt; some limonite and organic staining on grains. | |
| 45 | | | | | | | Total Depth = 40.2'. | |
| 50 | | | | | | | | |

GROUNDWATER

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WESTON

# GEOLOGIC LOG

# LEE ACRES LANDFILL

Project Number: 2878-04-01-0004



| | | | |
|---|---|---|---|
| **Borehole/Well Id:** | BLM61 | **Drilling Company:** | STEWART BROTHERS |
| **Northing (ft):** | 2076990.54 | **Driller:** | T. RODRIGUEZ |
| **Easting (ft):** | 423472.98 | **Rig Type:** | FAILING F-10 |
| **Ground Surface Elev (ft):** | 5409.6 | **Drilling Method:** | AUGER |
| **Top of Casing Elev (ft):** | 5412.44 | **Drilling Fluid:** | NONE |
| **Total Depth (ft):** | 55.6 | **Date Started:** | 2/27/90 |
| **Logged By:** | R. MORROW | **Date Completed:** | 2/28/90 |
| **Checked By:** | MICHAEL SKELLY | **Well Type:** | BR |
| **Comments:** | Screened interval = 45.35 - 54.88 ft. BGS; Hollow stem auger to 41.4, air rotary with water misting to 55.55'. Three geochemical samples collected. | | |

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | SW | 0.0 to 2.5': SAND; pale yellowish brown (10YR 6/2) to grayish orange (10YR 7/4); homogeneous; fine upward sequence at 1.8'; trace fine gravel; fine to coarse grained; loose; damp to dry. | Instrument Background Levels:<br>HNU = 1.0 Units<br>H2S = 0.0 PPM<br>OVA = 0.0 PPM<br>All readings in breathing zone, on cuttings and on core: are background unless otherwise noted.<br>00.0 to 05.0' Sample<br>Recovered 02.5/05.0' = 50% |
| 5 | | | | | | | 5.0 to 7.6': SAND; same as above; damp. | 05.0 to 10.0' Sample<br>Recovered 02.6/05.0' = 52% |
| 10 | | | | | | | 10.0 to 15.0': SAND; same as above; trace coarse gravel. | 10.0 to 15.0' Sample<br>Recovered 00.5/05.0' = 10% |
| 15 | | | | | | | | |



GROUNDWATER

| | DEPTH | HOUR | DATE |
|---|---|---|---|
| ▽ | 31.0 | 12:57 | 02/27/90 |
| ▼ | 22.9 | 12:00 | 03/21/90 |

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| GEOLOGIC LOG | LEE ACRES LANDFILL | Project Number: 2878-04-01-0004 | PAGE: 2 of 4 |
|---|---|---|---|

**Borehole/Well Id:** BLM61

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | GS | 6115 | | SW | 15.0 to 17.5': SAND; same as above; trace fine gravel. | 15.0 to 17.5' Sample Recovered 01.9/02.5' = 76% |
| | | | | | | | 17.5 to 18.3': SAND; same as above. | 17.5 to 20.0' Sample Recovered 02.5/02.5' = 100% |
| | | | | | | SC | 18.3 to 22.8': SANDY CLAY; dark yellowish brown (10YR 4/2); homogeneous; fine to medium grained; trace silt; medium plastic clay; damp. | |
| 20 | | | | | | | | 20.0 to 22.5' Sample Recovered 02.5/02.5' = 100% |
| ▼ | | | | | | | 22.8 to 25.8': CLAYEY SAND; moderate yellowish brown (10YR 5/4); homogeneous; trace to some silt; trace carbonaceous material; fine to medium grained; trace coarse moderately well compacted; moist. | 22.5 to 25.0' Sample Recovered 02.0/02.5' = 80% |
| | | | GS | 6124 | | | | |
| 25 | | | | | | | | 25.0 to 30.0' Sample Recovered 01.5/05.0' = 30% |
| | | | | | | | 25.8 to 26.5': SILTY CLAY; dark yellowish brown (10YR 4/2); some very fine to fine grained sand; moist to wet. | |
| 30 | | | | | | SW | 30.0 to 30.7': SAND; pale yellowish brown (10YR 6/2); homogeneous; trace silt; very fine to coarse grained; loose; wet; saturated. | 30.0 to 31.9' Sample Recovered 00.8/01.9' = 42% |
| ▽ | | | | | | SM | 30.7 to 30.8': SILTY SAND; light olive gray (5Y 5/2) to light olive brown (5Y 6/6); homogeneous; silt to 35%; very fine to lower fine grained; moderate to well sorted; subrounded; quartzose sand; caliche with strong HCL reaction; well indurated; damp. | 32.4 to 35.0' Sample Recovered 00.0/02.6' = 0% |

GROUNDWATER

| | DEPTH | HOUR | DATE |
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| ▽ | 31.0 | 12:57 | 02/27/90 |
| ▼ | 22.9 | 12:00 | 03/21/90 |

WESTON

# GEOLOGIC LOG

**LEE ACRES LANDFILL**

Project Number: 2878-04-01-0004



**Borehole/Well Id:** BLM61

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 35 | | | | | | SM | 35.0 to 40.0': NO RECOVERY; assume as above. | 35.0 to 37.5' Sample<br>Recovered 00.0/02.5' = 0% |
| | | | | | | | | 37.5 to 40.0' Sample<br>Recovered 00.0/02.5' = 0% |
| | | | | | | | 40.0 to 40.15': SILTY SAND; moderate yellowish brown (10YR 5/4); homogeneous; laminated in part with limonite staining; grades to sand silt; very fine to upper fine grained; trace to some clay; wet. | |
| 40 | | GS | | 6140 | | SS | **BEDROCK**<br>40.15 to 40.3': SANDSTONE; light gray (N 7/0); slightly silty; some (15%) clay; fine to lower medium grained; poorly; indurated; wet. | 40.0 to 41.0' Sample<br>Recovered 01.4/01.0' = 140%<br>BH: OVA = 3 PPM |
| | | | | | | | 40.3 to 41.4': SANDSTONE; medium bluish gray (5B 5/1); homogeneous; trace to some silt; trace clay; very fine to fine grained; moderate to well indurated; slightly calcareous; increasingly calcareous with depth; moist to wet. | 41.4 to 46.4' Sample<br>Recovered 04.1/05.0' = 82%<br>RQD = 3.18/4.1 = 78% |
| | | | | | | | 41.4 to 42.0': CLAYSTONE; dusky yellowish brown (10YR 2/2); homogeneous; blocky to hackly texture; trace silt; trace carbonaceous material; moderate to high plastic clay; stiff to moderately hard; moist. | |
| 45 | | | | | | | 42.0 to 45.6': SANDSTONE; medium bluish gray (5B 5/1) to light bluish gray (5B 7/1); becoming lighter in color with depth; trace silt; trace fine gravel fine to coarse grained; predominantly medium grained; somewhat with depth; well indurated; hard; wet. | |
| | | | | | | | 46.4 to 50.65': SANDSTONE; light bluish gray (5B 7/1); massive; some interbedded with fine gravel layers; several fining upwards sequences; fine to very coarse grained; well indurated; hard; wet. | 46.4 to 54.4' Sample<br>Recovered 4.25/08.0' = 53%<br>RQD = 2.3/4.25 = 54% |
| 50 | | | | | | | 50.65 to 55.55': NO RECOVERY; assume as above. | |

GROUNDWATER

| | DEPTH | HOUR | DATE |
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| ▽ | 31.0 | 12:57 | 02/27/90 |
| ▼ | 22.9 | 12:00 | 03/21/90 |

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| GEOLOGIC LOG | LEE ACRES LANDFILL | Project Number: 2878-04-01-0004 | PAGE: 4 of 4 |
|---|---|---|---|

**Borehole/Well Id:** BLM61

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 55 | | | | | | SS | | |
| | | | | | | | Total Depth = 55.6'. | |
| 60 | | | | | | | | |
| 65 | | | | | | | | |
| 70 | | | | | | | | |

GROUNDWATER

| | DEPTH | HOUR | DATE |
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| ▽ | 31.0 | 12:57 | 02/27/90 |
| ▼ | 22.9 | 12:00 | 03/21/90 |

WESTON

# GEOLOGIC LOG

## LEE ACRES LANDFILL

Project Number: 2878-04-01-0004



| | | | |
|---|---|---|---|
| **Borehole/Well Id:** | BLM62 | **Drilling Company:** | STEWART BROTHERS |
| **Northing (ft):** | 2076999.82 | **Driller:** | T. RODRIGUEZ |
| **Easting (ft):** | 423478.33 | **Rig Type:** | FAILING F-10 |
| **Ground Surface Elev (ft):** | 5411.3 | **Drilling Method:** | AUGER |
| **Top of Casing Elev (ft):** | 5412.67 | **Drilling Fluid:** | NONE |
| **Total Depth (ft):** | 35.6 | **Date Started:** | 3/1/90 |
| **Logged By:** | R. MORROW | **Date Completed:** | 3/2/90 |
| **Checked By:** | MICHAEL SKELLY | **Well Type:** | SA |
| **Comments:** | Screened interval = 25.04 - 34.58 ft. BGS; covers the entire alluvial water table. | | |
| | No analytical samples taken. | | |

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | SW | Note: Drilled with centerbit from 0.0 to 28.0'; lithologic description from 0.0 to 28.0' are observations of cuttings.<br>ALLUVIUM<br>0.0 to 10.0': SAND; moderate yellowish brown (10YR 5/4) to dark yellowish orange (10YR 6/6); fine to coarse grained; damp. | Instrument Background Levels:<br>HNU = 1.0 Units<br>OVA = 0.0 PPM<br>H2S = 0.0 PPM<br>All readings in breathing zone, on cuttings and on core: are background unless otherwise noted.<br>00.0 to 10.0' Cutting Sample |
| 5 | | | | | | | | |
| 10 | | | | | | | 10.0 to 20.0': SAND; same as above; increasing fine gravel to 8%. | 10.0 to 15.0' Cutting Sample |
| 15 | | | | | | | | |



GROUNDWATER

| | DEPTH | HOUR | DATE |
|---|---|---|---|
| ▽ | 28.0 | 13:42 | 03/01/90 |
| ▼ | 29.1 | 12:00 | 03/21/90 |

WESTON

| GEOLOGIC LOG | LEE ACRES LANDFILL | Project Number: 2878-04-01-0004 | PAGE: 2 of 3 |
|---|---|---|---|

**Borehole/Well Id:** BLM62

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | | | SW | | 15.0 to 20.0' Cutting Sample |
| 20 | | | | | | | 20.0 to 25.0': SAND; becoming predominantly moderate brown (10YR 5/4); trace clay; trace silt; trace fine gravel; trace tree branch or root fragment; fine to very coarse grained; damp to moist. | 20.0 to 25.0' Cutting Sample |
| 25 | | | | | | | | |
| ▽ | | | | | | SC | Note: cuttings sample at 27.0'; increasing clay to clayey sand; cuttings are balled up; moist.<br>28.0 to 30.0': NO RECOVERY; assume as above. | 28.0 to 30.0' Sample<br>Recovered 00.0/02.0' = 0% |
| ▼ | | | | | | | | |
| 30 | | | | | | | 30.0 to 33.0': SANDY SILTY CLAY; dark yellowish brown (10YR 4/2); silt to 20%; sand to 35%; high plastic clay; ropey cuttings; very wet. | 30.0 to 33.0' Cutting Sample |
| | | | | | | | 35.0 to 35.6': SANDY CLAY; dark yellowish brown (10YR 4/2); homogeneous; sand to 35% grading to clayey sand; fine to medium grained; medium plastic clay; moist to wet. | |

GROUNDWATER

| | DEPTH | HOUR | DATE |
|---|---|---|---|
| ▽ | 28.0 | 13:42 | 03/01/90 |
| ▼ | 29.1 | 12:00 | 03/21/90 |

WESTON

| GEOLOGIC LOG | LEE ACRES LANDFILL | Project Number: 2878-04-01-0004 | PAGE: 3 of 3 |
|---|---|---|---|

**Borehole/Well Id:** BLM62

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 35 | | | | | | SC | | |
| | | | | | | SS | **BEDROCK**<br>35.2 to 35.6': SANDSTONE; very light gray (N 8/0) to light gray (N 7/0); homogeneous; predominantly very fine to lower medium grained; well cemented with siliceous and calcareous mixture; poor to well indurated becoming harder with depth; damp to dry. | 35.0 to 35.6' Sample<br>Recovered 00.6/00.6' = 100%<br>BH: OVA = 3.0 PPM<br>CORE: OVA = 1.2 PPM |
| | | | | | | | Total Depth = 35.6'. | |
| 40 | | | | | | | | |
| 45 | | | | | | | | |
| 50 | | | | | | | | |



GROUNDWATER

| | DEPTH | HOUR | DATE |
|---|---|---|---|
| ▽ | 28.0 | 13:42 | 03/01/90 |
| ▼ | 29.1 | 12:00 | 03/21/90 |

WESTON

# GEOLOGIC LOG

## LEE ACRES LANDFILL

Project Number: 2878-04-01-0004



| | | | |
|---|---|---|---|
| **Borehole/Well Id:** | BLM63 | **Drilling Company:** | STEWART BROTHERS |
| **Northing (ft):** | 2077086.74 | **Driller:** | T. RODRIGUEZ |
| **Easting (ft):** | 423520.20 | **Rig Type:** | FAILING F-10 |
| **Ground Surface Elev (ft):** | 5411.3 | **Drilling Method:** | AUGER |
| **Top of Casing Elev (ft):** | 5413.92 | **Drilling Fluid:** | NONE |
| **Total Depth (ft):** | 56.1 | **Date Started:** | 3/2/90 |
| **Logged By:** | R. MORROW | **Date Completed:** | 3/3/90 |
| **Checked By:** | MICHAEL SKELLY | **Well Type:** | BR |
| **Comments:** | Screened interval = 44.05 - 53.57 ft. BGS. One geochemical sample collected. | | |

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | SP | ALLUVIUM<br>0.0 to 5.0': SAND; moderate yellowish brown (10YR 5/4); homogeneous; fine to very coarse grained; predominantly medium to coarse grained; loose; damp. | Instrument Background Levels:<br>HNU = 1.0 Units<br>H2S = 0.0 PPM<br>All readings in breathing zone, on cuttings and on core: are background unless otherwise noted.<br>Trip Blank Sample RDM 0302<br>00.0 to 05.0' Sample<br>Recovered 0.92/05.0' = 18% |
| 5 | | | | | | | 5.0 to 7.5': SAND; same as above; trace fine gravel. | 05.0 to 07.5' Sample<br>Recovered 00.4/02.5' = 16% |
| | | | | | | | 7.5 to 10.0': SAND; same as above; one coarse gravel. | 07.5 to 10.0' Sample<br>Recovered 0.36/02.5' = 14% |
| 10 | | | | | | | 10.0 to 12.0': NOT RECOVERY; assume as above. | 10.0 to 12.5' Sample<br>Recovered 0.15/02.5' = 6% |
| | | | | | | SW | 12.5 to 15.0'; SAND; same as above; becoming predominantly fine grained; trace to some silt; trace clay; trace fine gravel; damp. | 12.5 to 15.0' Sample<br>Recovered 00.2/02.5' = 8% |
| 15 | | | | | | | | |



GROUNDWATER

| | DEPTH | HOUR | DATE |
|---|---|---|---|
| ▽ | | | |
| ▼ | 21.9 | 12:00 | 03/21/90 |

WESTON

| GEOLOGIC LOG | LEE ACRES LANDFILL | Project Number: 2878-04-01-0004 | PAGE: 2 of 4 |
|---|---|---|---|

**Borehole/Well Id:** BLM63

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| | | GS | | B63 15 B63 15D | | SC | 15.0 to 17.25': SANDY CLAY; dark yellowish brown (10YR 4/2) to moderate yellowish brown (10YR 5/4); grades between sandy clay and clayey sand; very fine to fine grained; moderately plastic clay; stiff; damp. | 15.0 to 20.0' Sample<br>Recovered 03.1/05.0' = 62% |
| 20 | | | | | | CS | BEDROCK<br>17.25 to 20.7': SILTY CLAYSTONE: dusky yellowish brown (10YR 2/2); some silt; some sand; trace fine gravel; medium plastic clay; very stiff; trace with caliche;<br><br>20.0 to 20.7': CLAYSTONE; same as above; one 12 cm quartzite gravel at 20.4; dry. | 20.0 to 21.0' Sample<br>Recovered 0.85/01.0' = 85% |
| | | | | | | ST | 20.7 to 21.5': SILTSTONE; dusky brown (5YR 2/2) to pale yellowish brown (10YR 6/2) to light olive gray (5YR 6/1); some (20%) very fine grained sand; abundant iron staining; weathered; very hard; dry.<br>22.7 to 24.5': CLAYSTONE AND SILTSTONE; mottled dark yellowish brown (10YR 5/4) and olive gray (5Y 3/2); predominantly siltstone; interbedded with claystone; claystone increasing with depth; highly weathered; blocky and hackly texture; some iron staining; moderately hard to hard; brittle; damp to dry. | 21.0 to 21.5' Sample<br>Recovered 00.5/00.5' = 100%<br>68 Blows<br>21.5 to 29.0' Sample<br>Recovered 06.3/07.5' = 84%<br>RQD = 4.5/6.3' = 71% |
| 25 | | | | | | SS | 24.5 to 29.5': SILTY SANDSTONE; light olive brown (5Y 5/6) to moderate olive brown (5Y 4/4); trace olive gray (5Y 6/1); becoming grayish olive (10Y 4/2) at base; massive; silty; grading to siltstone; trace clay spars; trace iron staining from 24.5 to 25.0'; very fine to fine grained sand; well cemented; hard; coarse gravel from 29.3 to 29.95'; dry to damp.<br><br>29.95 to 31.05': SILTY SANDSTONE; medium bluish gray (5B 5/1) to olive gray (5Y 3/2); silty; some clay; trace iron staining laminations at 30.05'; interbedded with clayey siltstone from 30.25 to 30.7'. | 29.0 to 38.0' Sample<br>Recovered 08.7/09.0' = 97%<br>RQD = 6.65/8.7' = 76% |
| 30 | | | | | | CS | 31.05 to 32.6': SILTY CLAYSTONE; light olive brown (5Y 5/6) to light olive gray (5Y 5/2); weathered; silty; some limonitic staining and very dark red (5R 2/6) concretions from 32.4 to 32.6': low to moderate plastic clay; damp.<br>32.6 to 36.1': CLAYSTONE; medium bluish gray (5B 5/1) to dark greenish gray (5G 4/1); mottled with very dark red (5R 2/6) blotches decreasing with depth; massive; trace to some silt; high plastic clay; stiff; moderately hard; damp to moist. | |

GROUNDWATER

| | DEPTH | HOUR | DATE |
|---|---|---|---|
| ▽ | | | |
| ▼ | 21.9 | 12:00 | 03/21/90 |

WESTON

| GEOLOGIC LOG | LEE ACRES LANDFILL | Project Number: 2878-04-01-0004 | PAGE: 3 of 4 |
|---|---|---|---|

**Borehole/Well Id:** BLM63

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 35 | | | | | | CS | 36.1 to 37.7': CLAYSTONE: brownish gray (5YR 4/1); massive; blocky; some silt; slightly carbonaceous increasing with depth; stiff; dry. | |
| | | | | | | | 38.0 to 42.36': NO RECOVERY; contact of above claystone and sandstone was determinable; assume as above. | 38.0 to 50.0' Sample Recovered 08.67/12.0' = 72%<br>RQD = 7.64/8.67' = 88% |
| 40 | | | | | | | | |
| 45 | | | | | | SS | 42.36': 50.0': SANDSTONE: light gray (N 7/0); several fining upward sequences; trace fine gravel; carbonaceous from 42.36 to 42.5'; fine to very coarse grained; predominantly fine to coarse grained; well cemented; very hard; moist to wet. | |
| 50 | | | | | | | 50.0 to 55.0': SANDSTONE; same as above; increasing fine gravel in top 2'. | 50.0 to 55.0' Sample Recovered 05.1/05.0' = 102%<br>RQD = 5.1/5.1' = 100 |



GROUNDWATER

| | DEPTH | HOUR | DATE |
|---|---|---|---|
| ▽ | | | |
| ▼ | 21.9 | 12:00 | 03/21/90 |

WESTON

# GEOLOGIC LOG

**LEE ACRES LANDFILL**

Project Number: 2878-04-01-0004



**Borehole/Well Id:** BLM63

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 55 | | | | | | SS | | |
| | | | | | | | Total Depth = 56.1'. | |
| 60 | | | | | | | | |
| 65 | | | | | | | | |
| 70 | | | | | | | | |

GROUNDWATER

| | DEPTH | HOUR | DATE |
|---|---|---|---|
| ▽ | | | |
| ▼ | 21.9 | 12:00 | 03/21/90 |

WESTON

# GEOLOGIC LOG

## LEE ACRES LANDFILL

Project Number: 2878-04-01-0004



| | | | |
|---|---|---|---|
| **Borehole/Well Id:** | BLM64 | **Drilling Company:** | STEWART BROTHERS |
| **Northing (ft):** | 2076923.20 | **Driller:** | T. RODRIGUEZ |
| **Easting (ft):** | 423546.11 | **Rig Type:** | FAILING F-10 |
| **Ground Surface Elev (ft):** | 5406.5 | **Drilling Method:** | AUGER |
| **Top of Casing Elev (ft):** | 5409.15 | **Drilling Fluid:** | NONE |
| **Total Depth (ft):** | 57.0 | **Date Started:** | 3/7/90 |
| **Logged By:** | R. MORROW | **Date Completed:** | 3/8/90 |
| **Checked By:** | MICHAEL SKELLY | **Well Type:** | BR |
| **Comments:** | Screened interval = 44.49 - 54.03 ft. BGS.; hollow stem auger to 21.0 ft. air rotary with water misting to 57.0 ft. One geochemical sample collected. | | |

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | SW | **ALLUVIUM**<br>0.0 to 5.0': SAND; grayish orange (10YR 7/4); to moderate yellowish brown (10YR 5/4); homogeneous; trace fine gravel; fine to coarse grained; predominantly medium to coarse grained; unconsolidated; damp. | Instrument Background Levels:<br>HNU = 0.0 Units<br>OVA = 0.0 PPM<br>H2S = 0.0 PPM<br>All readings in breathing zone, on cuttings and on core: are background unless otherwise noted.<br>00.0 to 05.0' Sample<br>Recovered 01.9/05.0' = 38% |
| 5 | | | | | | SC | 5.0 to 10.0': CLAYEY SAND; same as above; clay to 35%; moderate plastic; sand predominantly fine to medium grained; trace flat coarse gravel; damp. | 05.0 to 10.0' Sample<br>Recovered 00.9/05.0' = 18% |
| 10 | | | | | | | 10.0 to 12.5': CLAYEY SAND; dark yellowish brown (10YR 4/2); clay to 35% grading sandy clay; fine to medium grained sand; poorly consolidated; stiff; damp. | 10.0 to 12.5' Sample<br>Recovered 00.9/02.5' = 36% |
| | | | GS | 6413 | | CL | 12.5 to 13.6'; SANDY CLAY; same as above. | 12.5 to 15.0' Sample<br>Recovered 02.4/02.5' = 96% |
| 15 | | | | | | CS | **BEDROCK**<br>13.6 to 16.25': SILTY CLAYSTONE: dusky yellowish brown (10YR 2/2); massive; weathered; trace carbonaceous plant material; low to medium plastic clay; stiff; | |

GROUNDWATER

| | DEPTH | HOUR | DATE |
|---|---|---|---|
| ▽ | | | |
| ▼ | 18.4 | 12:00 | 03/21/90 |



WESTON

| GEOLOGIC LOG | LEE ACRES LANDFILL | Project Number: 2878-04-01-0004 | PAGE: 2 of 4 |
|---|---|---|---|

**Borehole/Well Id:** BLM64

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | | | CS | predominantly noncalcareous; mottled with white caliche; damp to dry. | 15.0 to 20.0' Sample<br>Recovered 05.0/05.0' = 100% |
| | | | | | | ST | 16.25 to 21.0': SANDY SILTSTONE; dusky yellow (5Y 6/4) to yellowish gray (5Y 7/2); laminated; blocky in part; highly weathered; highly iron stained at claystone siltstone contact; very fine to fine grained; poorly to moderately indurated; very slightly calcareous; trace calcareous laminations; dry. | |
| ▼ | | | | | | | | |
| 20 | | | | | | | | 20.0 to 21.0' Sample<br>Recovered 01.1/01.0' = 110% |
| | | | | | | | 21.0 to 27.4': NO RECOVERY; assume as above. | 21.0 to 31.0' Sample<br>Recovered 03.8/10.0' = 38%<br>RQD = 2.37/3.8' = 62% |
| 25 | | | | | | | | |
| | | | | | | | 27.4 to 30.5': CLAYEY SILTSTONE; light olive brown (5Y 5/6) and grayish red (5R 4/2); mottled; blocky in part; highly weathered; subfissile to laminated; occasional high angle fractures with black (N 1/0) staining along fracture; trace low angle fractures; some sand; highly iron stained at contact with sandstone at base; moderately indurated; moderately hard; damp to moist. | |
| 30 | | | | | | SS | 30.5 to 31.0': SANDSTONE; mottled gray olive (10Y 4/2) and yellowish gray (5Y 7/2); trace to some silt; predominantly fine to medium grained; trace black mineral graines; well cemented; moist. | 31.0 to 41.0' Sample<br>Recovered 07.8/10.0' = 78%<br>RQD = 7.4/9.8' = 95% |
| | | | | | | | 32.2 to 39.0': SANDSTONE; dark greenish gray (5G 4/1) fading to light bluish gray (5B 7/1) with depth; homogeneous; trace fine gravel; trace ????????; fine to medium grained; becoming medium to coarse grained at 38.5'; well cemented; damp to moist. | |

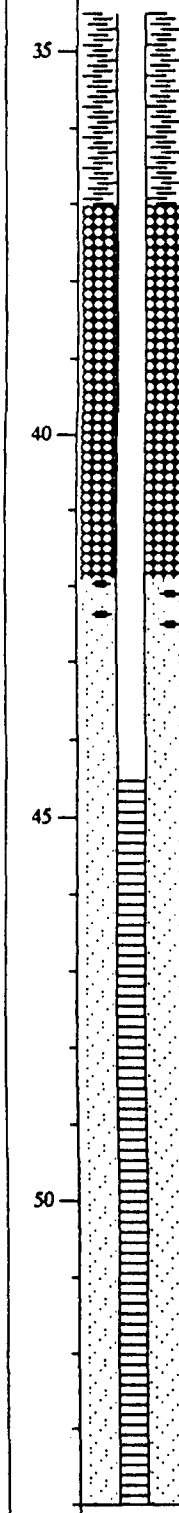
GROUNDWATER

| | DEPTH | HOUR | DATE |
|---|---|---|---|
| ▽ | | | |
| ▼ | 18.4 | 12:00 | 03/21/90 |

WESTON

| GEOLOGIC LOG | LEE ACRES LANDFILL | Project Number: 2878-04-01-0004 | PAGE: 3 of 4 |
|---|---|---|---|

**Borehole/Well Id:** BLM64




| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 35–40 | | | | | | SS | 41.0'to 55.0': SANDSTONE; medium to bluish gray (5B 5/1) to light bluish gray (5B 7/1); predominantly homogeneous; trace silt; fine to medium grained with depth; well cemented from 41.0 to 46.0'; poorly to moderately cemented from 46.0 to 50.0'; moist to wet. | 41.0 to 50.0' Sample<br>Recovered 10.0/10.0' = 101%<br>RQD = 10.1/10.1' = 100%<br><br>50.0 to 55.0' Sample<br>Recovered 01.3/05.0' = 26%<br>RQD = 0.0/1.3' = 0% |



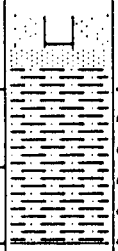
GROUNDWATER

| | DEPTH | HOUR | DATE |
|---|---|---|---|
| ▽ | | | |
| ▼ | 18.4 | 12:00 | 03/21/90 |

WESTON

| GEOLOGIC LOG | LEE ACRES LANDFILL | Project Number: 2878-04-01-0004 | PAGE: 4 of 4 |
|---|---|---|---|

**Borehole/Well Id:** BLM64

| Depth | Well Construct. | Sample T | Sample A | Sample ID | Lith | USCS | Lithologic Description | Notes |
|---|---|---|---|---|---|---|---|---|
| 55 |  | | | | | SS | A .2' thick clay and pebble layer at 54.5'; clay is dark gray (N 3/0); highly plastic; wet. | Note: over drilled from 55.0 to 57.0' to provide room for slough. |
| | | | | | | | Total Depth = 57.0'. | |
| 60 | | | | | | | | |
| 65 | | | | | | | | |
| 70 | | | | | | | | |

GROUNDWATER

| | DEPTH | HOUR | DATE |
|---|---|---|---|
| ▽ | | | |
| ▼ | 18.4 | 12:00 | 03/21/90 |

WESTON

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: S002 SHS-02/GS2
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 4 (4)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,2-DICHLOROBENZENE (602) | 12/12/89 | 0004 | UG/L | | 82 | 25 | RWS |
| 1,2-DICHLOROBENZENE (8020) | 12/12/89 | 0004 | UG/L | | 82 | 25 | RWS |
| 1,3-DICHLOROBENZENE (602) | 12/12/89 | 0004 | UG/L | | 190 | 25 | RWS |
| 1,3-DICHLOROBENZENE (8020) | 12/12/89 | 0004 | UG/L | | 190 | 25 | RWS |
| 2-METHYLNAPHTHALENE (625H) | 09/06/89 | 0003 | UG/L | | 86 | 50 | RWS |
| ACIDITY | 09/07/89 | 0001 | MG/L | | 0.00 | - | INL |
| ALKALINITY | 09/07/89 | 0001 | MG/L | | 894.62 | - | INL |
| ALUMINUM, SOLUBLE | 09/06/89 | 0003 | UG/L | | 479 | 200 | RWS |
| ALUMINUM, TOTAL | 09/06/89 | 0010 | UG/L | | 48800 | 200 | RWS |
| | 12/12/89 | 0002 | | | 5000 | 200 | RWS |
| BARIUM, SOLUBLE | 09/07/89 | 0001 | UG/L | | 1500 | 2. | RDC |
| | 12/12/89 | 0001 | | | 400 | 10. | RDC |
| BENZENE (602) | 12/12/89 | 0004 | UG/L | B | 59 | 25 | RWS |
| BENZENE (8020) | 12/12/89 | 0001 | UG/L | | 10 | 2.0 | RDC |
| | 12/12/89 | 0004 | | B | 59 | 25 | RWS |
| BERYLLIUM, TOTAL | 09/06/89 | 0010 | UG/L | | 7.3 | 5.0 | RWS |
| BICARBONATE | 09/06/89 | 0003 | MG/L | | 1070 | 10.0 | RWS |
| | 09/07/89 | 0001 | | | 1091.44 | - | INL |
| | 12/12/89 | 0002 | | | 986 | 10.0 | RWS |
| BROMIDE | 09/06/89 | 0003 | MG/L | | 3.8 | 0.25 | RWS |
| | 12/12/89 | 0002 | | | 3.2 | 0.50 | RWS |
| CALCIUM, SOLUBLE | 09/06/89 | 0003 | UG/L | | 398000 | 10000 | RWS |
| | 09/07/89 | 0001 | | | 201600 | - | INL |
| | 12/12/89 | 0008 | | | 272000 | 5000 | RWS |
| CALCIUM, TOTAL | 09/06/89 | 0010 | UG/L | | 460000 | 100000 | RWS |
| | 12/12/89 | 0002 | | | 276000 | 5000 | RWS |
| CARBONATE | 09/07/89 | 0001 | MG/L | | 0.00 | - | INL |
| CHLORIDE | 09/07/89 | 0001 | MG/L | | 297.35 | - | INL |
| CHLORIDE BY IC | 09/06/89 | 0003 | MG/L | | 388 | 0.50 | RWS |
| | 12/12/89 | 0002 | | | 361 | 10.0 | RWS |
| CHROMIUM, TOTAL | 09/06/89 | 0010 | UG/L | | 38.5 | 10.0 | RWS |
| COPPER, TOTAL | 09/06/89 | 0010 | UG/L | | 75.8 | 25.0 | RWS |
| | 12/12/89 | 0002 | | | 41.7 | 25.0 | RWS |
| DICHLOROMETHANE-METHYLENE CL (601) | 09/06/89 | 0003 | UG/L | | 0.51 | 0.50 | RWS |
| ETHYLBENZENE (602) | 12/12/89 | 0004 | UG/L | | 140 | 25 | RWS |
| ETHYLBENZENE (8020) | 12/12/89 | 0001 | UG/L | | 120 | 2.0 | RDC |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: S001 SHS-01/GS1/S01
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 4 (4)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| SILVER, SOLUBLE | 01/10/90 | 0004 | UG/L | | 27.0 | 10.0 | RWS |
| SODIUM, SOLUBLE | 09/06/89 | 0004 | UG/L | | 370000 | 50000 | RWS |
| | 09/07/89 | 0001 | | | 699000 | - | INL |
| | 12/12/89 | 0007 | | | 672000 | 25000 | RWS |
| SODIUM, TOTAL | 12/12/89 | 0001 | UG/L | | 710000 | 25000 | RWS |
| STRONTIUM, SOLUBLE | 09/06/89 | 0004 | UG/L | | 7510 | 1000 | RWS |
| | 12/12/89 | 0007 | | | 8350 | 1000 | RWS |
| | 01/10/90 | 0004 | | | 7610 | 1000 | RWS |
| STRONTIUM, TOTAL | 12/12/89 | 0001 | UG/L | | 8580 | 1000 | RWS |
| SULFATE | 09/06/89 | 0004 | MG/L | | 716 | 0.50 | RWS |
| | 09/07/89 | 0001 | | | 857.57 | - | INL |
| | 12/12/89 | 0001 | | | 1190 | 100 | RWS |
| | 01/10/90 | 0004 | | | 2370 | 100 | RWS |
| SULFIDE | 09/06/89 | 0004 | MG/L | | 2.4 | 2.0 | RWS |
| | 12/12/89 | 0001 | | | 33.1 | 10.0 | RWS |
| TOLUENE (602) | 12/12/89 | 0006 | UG/L | B | 44 | 12 | RWS |
| TOLUENE (8020) | 12/12/89 | 0006 | UG/L | B | 44 | 12 | RWS |
| TOTAL DISSOLVED SOLIDS | 09/06/89 | 0004 | MG/L | | 3030 | 10.0 | RWS |
| | 09/07/89 | 0001 | | | 3126 | - | INL |
| | 12/12/89 | 0001 | | | 3360 | 40.0 | RWS |
| | 01/10/90 | 0004 | | | 4500 | 33.0 | RWS |
| TOTAL XYLENES (602) | 12/12/89 | 0006 | UG/L | | 300 | 12 | RWS |
| TOTAL XYLENES (8020) | 12/12/89 | 0001 | UG/L | | 330 | 50 | RDC |
| | 12/12/89 | 0006 | | | 300 | 12 | RWS |
| TRICHLOROETHENE | 12/12/89 | 0001 | UG/L | | 6.2 | 1.0 | RDC |
| | 12/12/89 | 0006 | | | 2.4 | 0.50 | RWS |
| TRICHLOROETHENE (601) | 09/06/89 | 0004 | UG/L | | 4.00 | 0.50 | RWS |
| ZINC, SOLUBLE | 09/06/89 | 0004 | UG/L | | 32.6 | 20.0 | RWS |
| | 12/12/89 | 0007 | | | 231 | 20.0 | RWS |
| ZINC, TOTAL | 12/12/89 | 0001 | UG/L | | 167 | 20.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: S002 SHS-02/GS2
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 4 (4)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ETHYLBENZENE (8020) | 12/12/89 | 0004 | UG/L | | 140 | 25 | RWS |
| HARDNESS | 09/07/89 | 0001 | MG/L | | 1346.69 | - | INL |
| IRON, SOLUBLE | 09/06/89 | 0003 | UG/L | | 455 | 100 | RWS |
| IRON, TOTAL | 09/06/89 | 0010 | UG/L | | 35600 | 100 | RWS |
| | 12/12/89 | 0002 | | | 6320 | 100 | RWS |
| LAB CONDUCTIVITY | 09/07/89 | 0001 | UMHOS/CM | | 4446 | - | INL |
| LEAD, TOTAL | 09/06/89 | 0010 | UG/L | | 40.2 | 10.0 | RWS |
| | 12/12/89 | 0002 | | | 8.6 | 5.0 | RWS |
| MAGNESIUM, SOLUBLE | 09/06/89 | 0003 | UG/L | | 93100 | 5000 | RWS |
| | 09/07/89 | 0001 | | | 205190 | - | INL |
| | 12/12/89 | 0008 | | | 106000 | 5000 | RWS |
| MAGNESIUM, TOTAL | 09/06/89 | 0010 | UG/L | | 118000 | 100000 | RWS |
| | 12/12/89 | 0002 | | | 103000 | 5000 | RWS |
| MANGANESE, SOLUBLE | 09/06/89 | 0003 | UG/L | | 3140 | 15.0 | RWS |
| | 12/12/89 | 0008 | | | 793 | 15.0 | RWS |
| MANGANESE, TOTAL | 09/06/89 | 0010 | UG/L | | 5740 | 15.0 | RWS |
| | 12/12/89 | 0002 | | | 994 | 15.0 | RWS |
| MERCURY, TOTAL | 12/12/89 | 0002 | UG/L | | 0.42 | 0.20 | RWS |
| NAPTHALENE (625H) | 09/06/89 | 0003 | UG/L | | 140 | 50 | RWS |
| NITRATE | 09/07/89 | 0001 | MG/L | | 0.31 | - | INL |
| NITRATE NITRITE | 09/06/89 | 0003 | MG/L | | 1.2 | 0.60 | RWS |
| | 12/12/89 | 0004 | | | 2.4 | 0.50 | RWS |
| PH | 09/07/89 | 0001 | S.U. | | 7.48 | - | INL |
| PHENOL (625H) | 12/12/89 | 0004 | UG/L | | 12 | - | RWS |
| POTASSIUM, SOLUBLE | 09/07/89 | 0001 | UG/L | | 6850 | - | INL |
| POTASSIUM, TOTAL | 09/06/89 | 0010 | UG/L | | 14400 | 5000 | RWS |
| SODIUM, SOLUBLE | 09/06/89 | 0003 | UG/L | | 326000 | 50000 | RWS |
| | 09/07/89 | 0001 | | | 610200 | - | INL |
| | 12/12/89 | 0008 | | | 592000 | 50000 | RWS |
| SODIUM, TOTAL | 09/06/89 | 0010 | UG/L | | 635000 | 100000 | RWS |
| | 12/12/89 | 0002 | | | 590000 | 50000 | RWS |
| STRONTIUM, SOLUBLE | 09/06/89 | 0003 | UG/L | | 9460 | 1000 | RWS |
| | 12/12/89 | 0008 | | | 10000 | 1000 | RWS |
| STRONTIUM, TOTAL | 09/06/89 | 0010 | UG/L | | 10100 | 1000 | RWS |
| | 12/12/89 | 0002 | | | 9570 | 1000 | RWS |
| SULFATE | 09/06/89 | 0003 | MG/L | | 1150 | 0.50 | RWS |
| | 09/07/89 | 0001 | | | 1231.21 | - | INL |
| | 12/12/89 | 0002 | | | 1110 | 100 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: S002 SHS-02/GS2
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 4 (4)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| SULFIDE | 09/06/89 | 0003 | MG/L | | 102 | 2.0 | RWS |
| | 12/12/89 | 0002 | | | 53.3 | 10.0 | RWS |
| TETRACHLOROETHENE | 12/12/89 | 0001 | UG/L | | 1.7 | 0.10 | RDC |
| TETRACHLOROETHENE (601) | 09/06/89 | 0003 | UG/L | | 0.93 | 0.50 | RWS |
| TOLUENE (602) | 12/12/89 | 0004 | UG/L | B | 62 | 25 | RWS |
| TOLUENE (8020) | 12/12/89 | 0004 | UG/L | B | 62 | 25 | RWS |
| TOTAL DISSOLVED SOLIDS | 09/06/89 | 0003 | MG/L | | 3320 | 10.0 | RWS |
| | 09/07/89 | 0001 | | | 3089 | - | INL |
| | 12/12/89 | 0002 | | | 3140 | 25.0 | RWS |
| TOTAL XYLENES (602) | 12/12/89 | 0004 | UG/L | | 150 | 25 | RWS |
| TOTAL XYLENES (8020) | 12/12/89 | 0001 | UG/L | | 37 | 2.0 | RDC |
| | 12/12/89 | 0004 | | | 150 | 25 | RWS |
| VANADIUM, TOTAL | 09/06/89 | 0010 | UG/L | | 85.7 | 50.0 | RWS |
| ZINC, SOLUBLE | 09/06/89 | 0003 | UG/L | | 77.8 | 20.0 | RWS |
| | 12/12/89 | 0008 | | | 31.0 | 20.0 | RWS |
| ZINC, TOTAL | 09/06/89 | 0010 | UG/L | | 250 | 20.0 | RWS |
| | 12/12/89 | 0002 | | | 220 | 20.0 | RWS |

DATA FILE NAME: F:\DART\BLM01\GWQ10001.DAT

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: B061 BLM-61
NORTH COORDINATE: 2076990.54 FT
EAST COORDINATE: 423472.98 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: BEDROCK AQUIFER (BR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| BICARBONATE | 03/21/90 | 0004 | MG/L | | 106 | 10.0 | RWS |
| | 04/27/90 | 0006 | | | 116 | 10.0 | RWS |
| | 05/20/90 | 0004 | | | 98.0 | 10.0 | RWS |
| | 08/22/90 | 0005 | | | 136 | 10.0 | RWS |
| BROMIDE | 04/27/90 | 0006 | MG/L | | 0.61 | 0.25 | RWS |
| CALCIUM, SOLUBLE | 03/21/90 | 0004 | UG/L | | 370000 | 5000 | RWS |
| | 04/27/90 | 0006 | | | 384000 | 5000 | RWS |
| | 05/20/90 | 0004 | | | 398000 | 5000 | RWS |
| | 08/22/90 | 0005 | | | 410000 | 5000 | RWS |
| CHLORIDE | 04/27/90 | 0006 | MG/L | | 24.2 | 0.50 | RWS |
| | 05/20/90 | 0004 | | | 25.0 | 0.50 | RWS |
| | 08/22/90 | 0005 | | | 19.2 | 1.0 | RWS |
| CHLORIDE BY IC | 03/21/90 | 0004 | MG/L | | 17.5 | 0.50 | RWS |
| DICHLOROMETHANE-METHYLENE CHLORIDE | 03/21/90 | 0004 | UG/L | | 1.3 | 0.50 | RWS |
| | 05/20/90 | 0004 | | B | 48 | 0.50 | RWS |
| IRON, SOLUBLE | 03/21/90 | 0004 | UG/L | | 291 | 100 | RWS |
| | 05/20/90 | 0004 | | | 1040 | 100 | RWS |
| | 08/22/90 | 0005 | | | 1220 | 100 | RWS |
| MAGNESIUM, SOLUBLE | 03/21/90 | 0004 | UG/L | | 19300 | 5000 | RWS |
| | 04/27/90 | 0006 | | | 23400 | 5000 | RWS |
| | 05/20/90 | 0004 | | | 20900 | 5000 | RWS |
| | 08/22/90 | 0005 | | | 20300 | 5000 | RWS |
| MANGANESE, SOLUBLE | 03/21/90 | 0004 | UG/L | | 512 | 15.0 | RWS |
| | 04/27/90 | 0006 | | | 882 | 15.0 | RWS |
| | 05/20/90 | 0004 | | | 376 | 15.0 | RWS |
| | 08/22/90 | 0005 | | | 400 | 15.0 | RWS |
| NITRATE NITRITE | 05/20/90 | 0004 | MG/L | | 2.5 | 0.050 | RWS |
| POTASSIUM, SOLUBLE | 03/21/90 | 0004 | UG/L | | 7770 | 5000 | RWS |
| SODIUM, SOLUBLE | 03/21/90 | 0004 | UG/L | | 588000 | 50000 | RWS |
| | 04/27/90 | 0006 | | | 598000 | 25000 | RWS |
| | 05/20/90 | 0004 | | | 674000 | 50000 | RWS |
| | 08/22/90 | 0005 | | | 704000 | 50000 | RWS |
| STRONTIUM, SOLUBLE | 03/21/90 | 0004 | UG/L | | 7520 | 1000 | RWS |
| | 04/27/90 | 0006 | | | 7580 | 1000 | RWS |
| | 05/20/90 | 0004 | | | 8520 | 1000 | RWS |
| | 08/22/90 | 0005 | | | 7930 | 1000 | RWS |
| SULFATE | 03/21/90 | 0004 | MG/L | | 2150 | 25.0 | RWS |
| | 04/27/90 | 0006 | | | 2200 | 100 | RWS |
| | 05/20/90 | 0004 | | | 2440 | 10.0 | RWS |
| | 08/22/90 | 0005 | | | 2280 | 25.0 | RWS |
| TOLUENE (8020) | 03/21/90 | 0004 | UG/L | | 0.67 | 0.50 | RWS |
| TOTAL DISSOLVED SOLIDS | 03/21/90 | 0004 | MG/L | | 3590 | 10.0 | RWS |
| | 04/27/90 | 0006 | | | 3580 | 33.3 | RWS |
| | 05/20/90 | 0004 | | | 3760 | 33.3 | RWS |
| | 08/22/90 | 0005 | | | 3610 | 50.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: B062 BLM-62
NORTH COORDINATE: 2076999.82 FT
EAST COORDINATE: 423478.33 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| BICARBONATE | 03/21/90 | 0002 | MG/L | | 100 | 10.0 | RWS |
| | 03/21/90 | 0003 | | | 72.0 | 10.0 | RWS |
| | 04/27/90 | 0008 | | | 100 | 10.0 | RWS |
| | 05/20/90 | 0005 | | | 110 | 10.0 | RWS |
| | 05/20/90 | 0006 | | | 122 | 10.0 | RWS |
| | 08/22/90 | 0004 | | | 98.0 | 10.0 | RWS |
| BIS(2-ETHYLHEXYL)PHTHALATE (625H) | 03/21/90 | 0003 | UG/L | B | 23 | 10 | RWS |
| | 03/21/90 | R103 | | B | 20 | 10 | RWS |
| CALCIUM, SOLUBLE | 03/21/90 | 0002 | UG/L | | 371000 | 5000 | RWS |
| | 03/21/90 | 0003 | | | 359000 | 5000 | RWS |
| | 04/27/90 | 0008 | | | 401000 | 5000 | RWS |
| | 05/20/90 | 0005 | | | 396000 | 5000 | RWS |
| | 05/20/90 | 0006 | | | 397000 | 5000 | RWS |
| | 08/22/90 | 0004 | | | 355000 | 5000 | RWS |
| CHLORIDE | 04/27/90 | 0008 | MG/L | | 37.6 | 0.50 | RWS |
| | 05/20/90 | 0005 | | | 29.6 | 0.50 | RWS |
| | 05/20/90 | 0006 | | | 32.9 | 0.50 | RWS |
| | 08/22/90 | 0004 | | | 24.6 | 1.0 | RWS |
| CHLORIDE BY IC | 03/21/90 | 0002 | MG/L | | 22.8 | 0.50 | RWS |
| | 03/21/90 | 0003 | | | 19.0 | 1.0 | RWS |
| DICHLOROMETHANE-METHYLENE CHLORIDE | 03/21/90 | 0002 | UG/L | | 0.90 | 0.50 | RWS |
| | 03/21/90 | 0003 | | | 0.95 | 0.50 | RWS |
| | 05/20/90 | 0005 | | B | 44 | 0.50 | RWS |
| | 05/20/90 | 0006 | | B | 47 | 0.50 | RWS |
| IRON, SOLUBLE | 04/27/90 | 0008 | UG/L | | 1130 | 100 | RWS |
| MAGNESIUM, SOLUBLE | 03/21/90 | 0002 | UG/L | | 22600 | 5000 | RWS |
| | 03/21/90 | 0003 | | | 22000 | 5000 | RWS |
| | 04/27/90 | 0008 | | | 20000 | 5000 | RWS |
| | 05/20/90 | 0005 | | | 26100 | 5000 | RWS |
| | 05/20/90 | 0006 | | | 26400 | 5000 | RWS |
| | 08/22/90 | 0004 | | | 21500 | 5000 | RWS |
| MANGANESE, SOLUBLE | 03/21/90 | 0002 | UG/L | | 861 | 15.0 | RWS |
| | 03/21/90 | 0003 | | | 896 | 15.0 | RWS |
| | 04/27/90 | 0008 | | | 375 | 15.0 | RWS |
| | 05/20/90 | 0005 | | | 807 | 15.0 | RWS |
| | 05/20/90 | 0006 | | | 811 | 15.0 | RWS |
| | 08/22/90 | 0004 | | | 820 | 15.0 | RWS |
| NITRATE NITRITE | 05/20/90 | 0005 | MG/L | | 1.4 | 0.050 | RWS |
| | 05/20/90 | 0006 | | | 2.5 | 0.050 | RWS |
| POTASSIUM, SOLUBLE | 03/21/90 | 0002 | UG/L | | 5560 | 5000 | RWS |
| | 03/21/90 | 0003 | | | 6900 | 5000 | RWS |
| SODIUM, SOLUBLE | 03/21/90 | 0002 | UG/L | | 562000 | 50000 | RWS |
| | 03/21/90 | 0003 | | | 619000 | 50000 | RWS |
| | 04/27/90 | 0008 | | | 697000 | 25000 | RWS |
| | 05/20/90 | 0005 | | | 578000 | 50000 | RWS |
| | 05/20/90 | 0006 | | | 617000 | 50000 | RWS |
| | 08/22/90 | 0004 | | | 486000 | 5000 | RWS |
| STRONTIUM, SOLUBLE | 03/21/90 | 0002 | UG/L | | 7270 | 1000 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: 8062 BLM-62
NORTH COORDINATE: 2076999.82 FT
EAST COORDINATE: 423478.33 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| STRONTIUM, SOLUBLE | 03/21/90 | 0003 | UG/L | | 7050 | 1000 | RWS |
| | 04/27/90 | 0008 | | | 7970 | 1000 | RWS |
| | 05/20/90 | 0005 | | | 8780 | 1000 | RWS |
| | 05/20/90 | 0006 | | | 8760 | 1000 | RWS |
| | 08/22/90 | 0004 | | | 6880 | 1000 | RWS |
| SULFATE | 03/21/90 | 0002 | MG/L | | 1920 | 25.0 | RWS |
| | 03/21/90 | 0003 | | | 2000 | 25.0 | RWS |
| | 04/27/90 | 0008 | | | 2120 | 100 | RWS |
| | 05/20/90 | 0005 | | | 2540 | 10.0 | RWS |
| | 05/20/90 | 0006 | | | 2560 | 10.0 | RWS |
| | 08/22/90 | 0004 | | | 2320 | 25.0 | RWS |
| SULFIDE | 04/27/90 | 0008 | MG/L | | 11.0 | 10.0 | RWS |
| TOTAL DISSOLVED SOLIDS | 03/21/90 | 0002 | MG/L | | 3480 | 10.0 | RWS |
| | 03/21/90 | 0003 | | | 3380 | 10.0 | RWS |
| | 04/27/90 | 0008 | | | 3700 | 33.3 | RWS |
| | 05/20/90 | 0005 | | | 3580 | 33.3 | RWS |
| | 05/20/90 | 0006 | | | 3500 | 33.3 | RWS |
| | 08/22/90 | 0004 | | | 4250 | 50.0 | RWS |
| ZINC, SOLUBLE | 04/27/90 | 0008 | UG/L | | 21.5 | 20.0 | RWS |
| | 08/22/90 | 0004 | | | 108 | 20.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: B061 BLM-61
NORTH COORDINATE: 2076990.54 FT
EAST COORDINATE: 423472.98 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: BEDROCK AQUIFER (BR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| TOTAL XYLENES (8020) | 03/21/90 | 0004 | UG/L | | 1.2 | 0.50 | RWS |
| ZINC, SOLUBLE | 04/27/90 | 0006 | UG/L | | 30.8 | 20.0 | RWS |
| | 08/22/90 | 0005 | | | 68.0 | 20.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: 8063 BLM-63
NORTH COORDINATE: 2077086.74 FT
EAST COORDINATE: 423520.20 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: BEDROCK AQUIFER (BR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1,1-TRICHLOROETHANE | 05/20/90 | 0009 | UG/L | | 1.3 | 0.50 | RWS |
| ALUMINUM, SOLUBLE | 04/30/90 | 0023 | UG/L | | 544 | 200 | RWS |
| ARSENIC, SOLUBLE | 04/30/90 | 0023 | UG/L | | 30.5 | 10.0 | RWS |
| BICARBONATE | 03/21/90 | 0001 | MG/L | | 76.0 | 10.0 | RWS |
| | 04/30/90 | 0023 | | | 108 | 10.0 | RWS |
| | 05/20/90 | 0009 | | | 126 | 10.0 | RWS |
| | 08/22/90 | 0003 | | | 134 | 10.0 | RWS |
| CALCIUM, SOLUBLE | 03/21/90 | 0001 | UG/L | | 336000 | 5000 | RWS |
| | 04/30/90 | 0023 | | | 411000 | 5000 | RWS |
| | 05/20/90 | 0009 | | | 391000 | 5000 | RWS |
| | 08/22/90 | 0003 | | | 397000 | 5000 | RWS |
| CHLORIDE | 04/30/90 | 0023 | MG/L | | 23.8 | 0.50 | RWS |
| | 05/20/90 | 0009 | | | 24.5 | 0.50 | RWS |
| | 08/22/90 | 0003 | | | 18.9 | 1.0 | RWS |
| CHLORIDE BY IC | 03/21/90 | 0001 | MG/L | | 14.7 | 1.0 | RWS |
| CHLOROFORM | 03/21/90 | 0001 | UG/L | | 1.8 | 0.50 | RWS |
| DICHLOROMETHANE-METHYLENE CHLORIDE | 03/21/90 | 0001 | UG/L | | 0.92 | 0.50 | RWS |
| | 04/30/90 | 0023 | | B | 1.1 | 0.50 | RWS |
| | 05/20/90 | 0009 | | B | 23 | 0.50 | RWS |
| IRON, SOLUBLE | 04/30/90 | 0023 | UG/L | | 423 | 100 | RWS |
| | 08/22/90 | 0003 | | | 125 | 100 | RWS |
| MAGNESIUM, SOLUBLE | 03/21/90 | 0001 | UG/L | | 17300 | 5000 | RWS |
| | 04/30/90 | 0023 | | | 22600 | 5000 | RWS |
| | 05/20/90 | 0009 | | | 23400 | 5000 | RWS |
| | 08/22/90 | 0003 | | | 22600 | 5000 | RWS |
| MANGANESE, SOLUBLE | 03/21/90 | 0001 | UG/L | | 252 | 15.0 | RWS |
| | 04/30/90 | 0023 | | | 443 | 15.0 | RWS |
| | 05/20/90 | 0009 | | | 358 | 15.0 | RWS |
| | 08/22/90 | 0003 | | | 481 | 15.0 | RWS |
| NITRATE NITRITE | 05/20/90 | 0009 | MG/L | | 2.0 | 0.050 | RWS |
| POTASSIUM, SOLUBLE | 03/21/90 | 0001 | UG/L | | 12400 | 5000 | RWS |
| | 05/20/90 | 0009 | | | 7000 | 5000 | RWS |
| SELENIUM, SOLUBLE | 04/30/90 | 0023 | UG/L | | 30.1 | 5.0 | RWS |
| SODIUM, SOLUBLE | 03/21/90 | 0001 | UG/L | | 538000 | 50000 | RWS |
| | 04/30/90 | 0023 | | | 687000 | 50000 | RWS |
| | 05/20/90 | 0009 | | | 664000 | 50000 | RWS |
| | 08/22/90 | 0003 | | | 674000 | 50000 | RWS |
| STRONTIUM, SOLUBLE | 03/21/90 | 0001 | UG/L | | 6910 | 1000 | RWS |
| | 04/30/90 | 0023 | | | 7900 | 1000 | RWS |
| | 05/20/90 | 0009 | | | 8590 | 1000 | RWS |
| | 08/22/90 | 0003 | | | 7590 | 1000 | RWS |
| SULFATE | 03/21/90 | 0001 | MG/L | | 1950 | 25.0 | RWS |
| | 04/30/90 | 0023 | | | 2180 | 20.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: B063 BLM-63
NORTH COORDINATE: 2077086.74 FT
EAST COORDINATE: 423520.20 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: BEDROCK AQUIFER (BR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| SULFATE | 05/20/90 | 0009 | MG/L | | 3000 | 10.0 | RWS |
| | 08/22/90 | 0003 | | | 2280 | 25.0 | RWS |
| TOTAL DISSOLVED SOLIDS | 03/21/90 | 0001 | MG/L | | 3270 | 10.0 | RWS |
| | 04/30/90 | 0023 | | | 3820 | 33.0 | RWS |
| | 05/20/90 | 0009 | | | 3590 | 33.3 | RWS |
| | 08/22/90 | 0003 | | | 3550 | 50.0 | RWS |
| ZINC, SOLUBLE | 04/30/90 | 0023 | UG/L | | 87.8 | 20.0 | RWS |
| | 08/22/90 | 0003 | | | 191 | 20.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: B064 BLM-64
NORTH COORDINATE: 2076923.20 FT
EAST COORDINATE: 423546.11 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: BEDROCK AQUIFER (BR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1,1-TRICHLOROETHANE | 05/20/90 | 0008 | UG/L | | 1.4 | 0.50 | RWS |
| BICARBONATE | 03/21/90 | 0005 | MG/L | | 100 | 10.0 | RWS |
| | 04/28/90 | 0010 | | | 124 | 10.0 | RWS |
| | 04/28/90 | 0012 | | | 128 | 10.0 | RWS |
| | 05/20/90 | 0008 | | | 96.0 | 10.0 | RWS |
| | 08/22/90 | 0006 | | | 100 | 10.0 | RWS |
| CALCIUM, SOLUBLE | 03/21/90 | 0005 | UG/L | | 363000 | 5000 | RWS |
| | 04/28/90 | 0010 | | | 385000 | 5000 | RWS |
| | 05/20/90 | 0008 | | | 391000 | 5000 | RWS |
| | 08/22/90 | 0006 | | | 393000 | 5000 | RWS |
| CHLORIDE | 04/28/90 | 0010 | MG/L | | 23.9 | 0.50 | RWS |
| | 04/28/90 | 0012 | | | 23.9 | 0.50 | RWS |
| | 05/20/90 | 0008 | | | 25.7 | 0.50 | RWS |
| | 08/22/90 | 0006 | | | 19.0 | 1.0 | RWS |
| CHLORIDE BY IC | 03/21/90 | 0005 | MG/L | | 17.0 | 0.50 | RWS |
| DICHLOROMETHANE-METHYLENE CHLORIDE | 05/20/90 | 0008 | UG/L | B | 24 | 0.50 | RWS |
| IRON, SOLUBLE | 05/20/90 | 0008 | UG/L | | 230 | 100 | RWS |
| | 08/22/90 | 0006 | | | 270 | 100 | RWS |
| MAGNESIUM, SOLUBLE | 03/21/90 | 0005 | UG/L | | 19700 | 5000 | RWS |
| | 04/28/90 | 0010 | | | 20000 | 5000 | RWS |
| | 05/20/90 | 0008 | | | 22900 | 5000 | RWS |
| | 08/22/90 | 0006 | | | 19800 | 5000 | RWS |
| MANGANESE, SOLUBLE | 03/21/90 | 0005 | UG/L | | 462 | 15.0 | RWS |
| | 04/28/90 | 0010 | | | 739 | 15.0 | RWS |
| | 05/20/90 | 0008 | | | 606 | 15.0 | RWS |
| | 08/22/90 | 0006 | | | 568 | 15.0 | RWS |
| NITRATE NITRITE | 05/20/90 | 0008 | MG/L | | 2.0 | 0.050 | RWS |
| POTASSIUM, SOLUBLE | 03/21/90 | 0005 | UG/L | | 8550 | 5000 | RWS |
| | 08/22/90 | 0006 | | | 5230 | 5000 | RWS |
| SODIUM, SOLUBLE | 03/21/90 | 0005 | UG/L | | 576000 | 50000 | RWS |
| | 04/28/90 | 0010 | | | 635000 | 25000 | RWS |
| | 05/20/90 | 0008 | | | 674000 | 50000 | RWS |
| | 08/22/90 | 0006 | | | 609000 | 50000 | RWS |
| STRONTIUM, SOLUBLE | 03/21/90 | 0005 | UG/L | | 7210 | 1000 | RWS |
| | 04/28/90 | 0010 | | | 7380 | 1000 | RWS |
| | 05/20/90 | 0008 | | | 8590 | 1000 | RWS |
| | 08/22/90 | 0006 | | | 7540 | 1000 | RWS |
| SULFATE | 03/21/90 | 0005 | MG/L | | 2230 | 25.0 | RWS |
| | 04/28/90 | 0010 | | | 2060 | 20.0 | RWS |
| | 04/28/90 | 0012 | | | 5830 | 25.0 | RWS |
| | 05/20/90 | 0008 | | | 2440 | 10.0 | RWS |
| | 08/22/90 | 0006 | | | 2000 | 25.0 | RWS |
| TOLUENE (8020) | 03/21/90 | 0005 | UG/L | | 0.98 | 0.50 | RWS |
| TOTAL DISSOLVED SOLIDS | 03/21/90 | 0005 | MG/L | | 3550 | 10.0 | RWS |
| | 04/28/90 | 0010 | | | 3760 | 33.3 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: B064 BLM-64
NORTH COORDINATE: 2076923.20 FT
EAST COORDINATE: 423546.11 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: BEDROCK AQUIFER (BR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| TOTAL DISSOLVED SOLIDS | 04/28/90 | 0012 | MG/L | | 3500 | 33.3 | RWS |
| | 05/20/90 | 0008 | | | 3480 | 33.3 | RWS |
| | 08/22/90 | 0006 | | | 3480 | 50.0 | RWS |
| TOTAL XYLENES (8020) | 03/21/90 | 0005 | UG/L | | 1.0 | 0.50 | RWS |
| ZINC, SOLUBLE | 03/21/90 | 0005 | UG/L | | 34.7 | 20.0 | RWS |
| | 04/28/90 | 0010 | | | 23.3 | 20.0 | RWS |
| | 08/22/90 | 0006 | | | 115 | 20.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G005 GBR-05
NORTH COORDINATE: 2075193.99 FT
EAST COORDINATE: 423970.46 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,2-DICHLOROBENZENE | 01/10/90 | 0005 | UG/L | | 0.63 | 0.50 | RWS |
| ALUMINUM, TOTAL | 01/10/90 | 0005 | UG/L | | 34200 | 200 | RWS |
| BICARBONATE | 01/10/90 | 0005 | MG/L | | 430 | 10.0 | RWS |
| BROMIDE | 01/10/90 | 0005 | MG/L | | 2.4 | 0.50 | RWS |
| CALCIUM, SOLUBLE | 01/10/90 | 0009 | UG/L | | 346000 | 5000 | RWS |
| CALCIUM, TOTAL | 01/10/90 | 0005 | UG/L | | 467000 | 5000 | RWS |
| CHLORIDE BY IC | 01/10/90 | 0005 | MG/L | | 300 | 10.0 | RWS |
| CHROMIUM, TOTAL | 01/10/90 | 0005 | UG/L | | 23.7 | 10.0 | RWS |
| COBALT, SOLUBLE | 01/10/90 | 0009 | UG/L | | 80.5 | 50.0 | RWS |
| COPPER, TOTAL | 01/10/90 | 0005 | UG/L | | 31.3 | 25.0 | RWS |
| IRON, TOTAL | 01/10/90 | 0005 | UG/L | | 30700 | 100 | RWS |
| LEAD, TOTAL | 01/10/90 | 0005 | UG/L | | 25.8 | 5.0 | RWS |
| MAGNESIUM, SOLUBLE | 01/10/90 | 0009 | UG/L | | 31100 | 5000 | RWS |
| MAGNESIUM, TOTAL | 01/10/90 | 0005 | UG/L | | 51900 | 5000 | RWS |
| MANGANESE, SOLUBLE | 01/10/90 | 0009 | UG/L | | 4740 | 15.0 | RWS |
| MANGANESE, TOTAL | 01/10/90 | 0005 | UG/L | | 5340 | 15.0 | RWS |
| MERCURY, SOLUBLE | 01/10/90 | 0009 | UG/L | | 0.25 | 0.20 | RWS |
| MERCURY, TOTAL | 01/10/90 | 0005 | UG/L | | 0.25 | 0.20 | RWS |
| NICKEL, SOLUBLE | 01/10/90 | 0009 | UG/L | | 97.7 | 40.0 | RWS |
| NICKEL, TOTAL | 01/10/90 | 0005 | UG/L | | 191 | 40.0 | RWS |
| NITRATE NITRITE | 01/10/90 | 0005 | MG/L | | 0.46 | 0.10 | RWS |
| SODIUM, SOLUBLE | 01/10/90 | 0009 | UG/L | | 409000 | 5000 | RWS |
| SODIUM, TOTAL | 01/10/90 | 0005 | UG/L | | 589000 | 25000 | RWS |
| STRONTIUM, SOLUBLE | 01/10/90 | 0009 | UG/L | | 6230 | 1000 | RWS |
| STRONTIUM, TOTAL | 01/10/90 | 0005 | UG/L | | 9340 | 1000 | RWS |
| SULFATE | 01/10/90 | 0005 | MG/L | | 1030 | 100 | RWS |
| TOTAL DISSOLVED SOLIDS | 01/10/90 | 0005 | MG/L | | 2640 | 33.0 | RWS |
| VANADIUM, TOTAL | 01/10/90 | 0005 | UG/L | | 59.9 | 50.0 | RWS |
| ZINC, SOLUBLE | 01/10/90 | 0009 | UG/L | | 84.7 | 20.0 | RWS |
| ZINC, TOTAL | 01/10/90 | 0005 | UG/L | | 73.5 | 20.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G006 GBR-06
NORTH COORDINATE: 2075181.70 FT
EAST COORDINATE: 423954.28 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ALUMINUM, TOTAL | 01/09/90 | 0001 | UG/L | | 219000 | 2000 | RWS |
| BENZENE (8020) | 03/15/89 | 0001 | UG/L | | 222 | 2.0 | INL |
| | 06/13/89 | 0001 | | | 136 | 0.2 | INL |
| BICARBONATE | 01/09/90 | 0001 | MG/L | | 270 | 10.0 | RWS |
| CALCIUM, SOLUBLE | 01/09/90 | 0007 | UG/L | | 415000 | 5000 | RWS |
| CALCIUM, TOTAL | 01/09/90 | 0001 | UG/L | | 623000 | 50000 | RWS |
| CHLORIDE BY IC | 01/09/90 | 0001 | MG/L | | 154 | 10.0 | RWS |
| CHROMIUM, TOTAL | 01/09/90 | 0001 | UG/L | | 294 | 10.0 | RWS |
| COBALT, SOLUBLE | 01/09/90 | 0007 | UG/L | | 57.0 | 50.0 | RWS |
| COBALT, TOTAL | 01/09/90 | 0001 | UG/L | | 191 | 50.0 | RWS |
| COPPER, TOTAL | 01/09/90 | 0001 | UG/L | | 274 | 25.0 | RWS |
| DICHLOROMETHANE-METHYLENE CHLORIDE | 03/15/89 | 0001 | UG/L | | 2.0 | 0.1 | INL |
| ETHYLBENZENE (8020) | 03/15/89 | 0001 | UG/L | | 323 | 2.0 | INL |
| | 06/13/89 | 0001 | | | 149 | 0.2 | INL |
| IRON, TOTAL | 01/09/90 | 0001 | UG/L | | 45200 | 100 | RWS |
| LEAD, TOTAL | 01/09/90 | 0001 | UG/L | | 69.9 | 15.0 | RWS |
| M,P-XYLENE (8020) | 03/15/89 | 0001 | UG/L | | 265 | 2.0 | INL |
| | 06/13/89 | 0001 | | | 167 | 0.2 | INL |
| MAGNESIUM, SOLUBLE | 01/09/90 | 0007 | UG/L | | 34200 | 5000 | RWS |
| MAGNESIUM, TOTAL | 01/09/90 | 0001 | UG/L | | 69800 | 5000 | RWS |
| MANGANESE, SOLUBLE | 01/09/90 | 0007 | UG/L | | 7780 | 15.0 | RWS |
| MANGANESE, TOTAL | 01/09/90 | 0001 | UG/L | | 12000 | 15.0 | RWS |
| MERCURY, SOLUBLE | 01/09/90 | 0007 | UG/L | | 0.25 | 0.20 | RWS |
| MERCURY, TOTAL | 01/09/90 | 0001 | UG/L | | 0.41 | 0.20 | RWS |
| NICKEL, SOLUBLE | 01/09/90 | 0007 | UG/L | | 76.5 | 40.0 | RWS |
| NICKEL, TOTAL | 01/09/90 | 0001 | UG/L | | 252 | 40.0 | RWS |
| NITRATE NITRITE | 01/09/90 | 0001 | MG/L | | 0.45 | 0.10 | RWS |
| O-XYLENE (8020) | 03/15/89 | 0001 | UG/L | | 167 | 2.0 | INL |
| | 06/13/89 | 0001 | | | 39 | 0.2 | INL |
| POTASSIUM, SOLUBLE | 01/09/90 | 0007 | UG/L | | 9220 | 5000 | RWS |
| POTASSIUM, TOTAL | 01/09/90 | 0001 | UG/L | | 48500 | 5000 | RWS |
| SODIUM, SOLUBLE | 01/09/90 | 0007 | UG/L | | 326000 | 5000 | RWS |
| SODIUM, TOTAL | 01/09/90 | 0001 | UG/L | | 341000 | 5000 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G006 GBR-06
NORTH COORDINATE: 2075181.70 FT
EAST COORDINATE: 423954.28 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| STRONTIUM, SOLUBLE | 01/09/90 | 0007 | UG/L | | 7260 | 1000 | RWS |
| STRONTIUM, TOTAL | 01/09/90 | 0001 | UG/L | | 8500 | 1000 | RWS |
| SULFATE | 01/09/90 | 0001 | MG/L | | 1240 | 100 | RWS |
| TOLUENE (8020) | 03/15/89 | 0001 | UG/L | | 37.0 | 2.0 | INL |
| TOTAL DISSOLVED SOLIDS | 01/09/90 | 0001 | MG/L | | 2560 | 50.0 | RWS |
| VANADIUM, TOTAL | 01/09/90 | 0001 | UG/L | | 368 | 50.0 | RWS |
| ZINC, SOLUBLE | 01/09/90 | 0007 | UG/L | | 38.0 | 20.0 | RWS |
| ZINC, TOTAL | 01/09/90 | 0001 | UG/L | | 672 | 20.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G007 GBR-07
NORTH COORDINATE: 2075187.71 FT
EAST COORDINATE: 423962.16 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1,1-TRICHLOROETHANE | 01/09/90 | 0002 | UG/L | | 2.5 | 0.50 | RWS |
| 1,1-DICHLOROETHANE | 01/09/90 | 0002 | UG/L | | 0.99 | 0.50 | RWS |
| 1,2-DICHLOROBENZENE | 01/09/90 | 0002 | UG/L | | 1.7 | 0.50 | RWS |
| 1,2-DICHLOROETHANE | 01/09/90 | 0002 | UG/L | | 6.8 | 0.50 | RWS |
| 2-METHYLNAPHTHALENE (625H) | 01/09/90 | 0002 | UG/L | | 18 | 10 | RWS |
| ALUMINUM, TOTAL | 01/09/90 | 0002 | UG/L | | 7340 | 200 | RWS |
| BICARBONATE | 01/09/90 | 0002 | MG/L | | 1090 | 10.0 | RWS |
| BROMIDE | 01/09/90 | 0002 | MG/L | | 5.0 | 0.50 | RWS |
| CALCIUM, SOLUBLE | 01/09/90 | 0008 | UG/L | | 315000 | 5000 | RWS |
| CALCIUM, TOTAL | 01/09/90 | 0002 | UG/L | | 305000 | 5000 | RWS |
| CHLORIDE BY IC | 01/09/90 | 0002 | MG/L | | 531 | 10.0 | RWS |
| CHLOROFORM | 01/09/90 | 0002 | UG/L | | 23 | 0.50 | RWS |
| COPPER, SOLUBLE | 01/09/90 | 0008 | UG/L | | 30.3 | 25.0 | RWS |
| IRON, TOTAL | 01/09/90 | 0002 | UG/L | | 13100 | 100 | RWS |
| LEAD, SOLUBLE | 01/09/90 | 0008 | UG/L | | 6.8 | 5.0 | RWS |
| LEAD, TOTAL | 01/09/90 | 0002 | UG/L | | 28.7 | 5.0 | RWS |
| MAGNESIUM, SOLUBLE | 01/09/90 | 0008 | UG/L | | 38800 | 5000 | RWS |
| MAGNESIUM, TOTAL | 01/09/90 | 0002 | UG/L | | 39400 | 5000 | RWS |
| MANGANESE, SOLUBLE | 01/09/90 | 0008 | UG/L | | 2750 | 15.0 | RWS |
| MANGANESE, TOTAL | 01/09/90 | 0002 | UG/L | | 2880 | 15.0 | RWS |
| MERCURY, SOLUBLE | 01/09/90 | 0008 | UG/L | | 0.41 | 0.20 | RWS |
| NAPTHALENE (625H) | 01/09/90 | 0002 | UG/L | | 24 | 10 | RWS |
| NICKEL, SOLUBLE | 01/09/90 | 0008 | UG/L | | 115 | 40.0 | RWS |
| NICKEL, TOTAL | 01/09/90 | 0002 | UG/L | | 127 | 40.0 | RWS |
| NITRATE NITRITE | 01/09/90 | 0002 | MG/L | | 1.1 | 0.10 | RWS |
| PHENOL (625H) | 01/09/90 | 0002 | UG/L | B | 29 | 10 | RWS |
| SODIUM, SOLUBLE | 01/09/90 | 0008 | UG/L | | 591000 | 25000 | RWS |
| SODIUM, TOTAL | 01/09/90 | 0002 | UG/L | | 625000 | 25000 | RWS |
| STRONTIUM, SOLUBLE | 01/09/90 | 0008 | UG/L | | 6640 | 1000 | RWS |
| STRONTIUM, TOTAL | 01/09/90 | 0002 | UG/L | | 6440 | 1000 | RWS |
| SULFATE | 01/09/90 | 0002 | MG/L | | 460 | 10.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G007 GBR-07
NORTH COORDINATE: 2075187.71 FT
EAST COORDINATE: 423962.16 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| TOTAL DISSOLVED SOLIDS | 01/09/90 | 0002 | MG/L | | 2960 | 50.0 | RWS |
| TOTAL XYLENES (8020) | 01/09/90 | 0002 | UG/L | | 690 | - | RWS |
| ZINC, SOLUBLE | 01/09/90 | 0008 | UG/L | | 47.9 | 20.0 | RWS |
| ZINC, TOTAL | 01/09/90 | 0002 | UG/L | | 54.0 | 20.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G008 GBR-08
NORTH COORDINATE: 2075099.53 FT
EAST COORDINATE: 423760.15 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1,1-TRICHLOROETHANE | 01/10/90 | 0006 | UG/L | | 2.2 | 0.50 | RWS |
| 1,1-DICHLOROETHANE | 01/10/90 | 0006 | UG/L | | 1.3 | 0.50 | RWS |
| 1,2-DICHLOROBENZENE | 01/10/90 | 0006 | UG/L | | 0.77 | 0.50 | RWS |
| 2-METHYLNAPHTHALENE (625H) | 01/10/90 | 0006 | UG/L | | 29 | 10 | RWS |
| ALUMINUM, TOTAL | 01/10/90 | 0006 | UG/L | | 15000 | 200 | RWS |
| BICARBONATE | 01/10/90 | 0006 | MG/L | | 665 | 10.0 | RWS |
| BROMIDE | 01/10/90 | 0006 | MG/L | | 5.0 | 0.50 | RWS |
| CALCIUM, SOLUBLE | 01/10/90 | 0010 | UG/L | | 484000 | 5000 | RWS |
| CALCIUM, TOTAL | 01/10/90 | 0006 | UG/L | | 338000 | 5000 | RWS |
| CHLORIDE BY IC | 01/10/90 | 0006 | MG/L | | 710 | 10.0 | RWS |
| CHROMIUM, TOTAL | 01/10/90 | 0006 | UG/L | | 29.0 | 10.0 | RWS |
| COBALT, TOTAL | 01/10/90 | 0006 | UG/L | | 79.1 | 50.0 | RWS |
| IRON, TOTAL | 01/10/90 | 0006 | UG/L | | 12600 | 100 | RWS |
| LEAD, TOTAL | 01/10/90 | 0006 | UG/L | | 13.3 | 5.0 | RWS |
| MAGNESIUM, SOLUBLE | 01/10/90 | 0010 | UG/L | | 49200 | 5000 | RWS |
| MAGNESIUM, TOTAL | 01/10/90 | 0006 | UG/L | | 32100 | 5000 | RWS |
| MANGANESE, SOLUBLE | 01/10/90 | 0010 | UG/L | | 5200 | 15.0 | RWS |
| MANGANESE, TOTAL | 01/10/90 | 0006 | UG/L | | 4970 | 15.0 | RWS |
| MERCURY, SOLUBLE | 01/10/90 | 0010 | UG/L | | 0.25 | 0.20 | RWS |
| MERCURY, TOTAL | 01/10/90 | 0006 | UG/L | | 0.33 | 0.20 | RWS |
| NAPTHALENE (625H) | 01/10/90 | 0006 | UG/L | | 42 | 10 | RWS |
| NICKEL, SOLUBLE | 01/10/90 | 0010 | UG/L | | 182 | 40.0 | RWS |
| NICKEL, TOTAL | 01/10/90 | 0006 | UG/L | | 118 | 40.0 | RWS |
| NITRATE NITRITE | 01/10/90 | 0006 | MG/L | | 0.43 | 0.10 | RWS |
| SODIUM, SOLUBLE | 01/10/90 | 0010 | UG/L | | 732000 | 25000 | RWS |
| SODIUM, TOTAL | 01/10/90 | 0006 | UG/L | | 389000 | 5000 | RWS |
| STRONTIUM, SOLUBLE | 01/10/90 | 0010 | UG/L | | 9630 | 1000 | RWS |
| STRONTIUM, TOTAL | 01/10/90 | 0006 | UG/L | | 6070 | 1000 | RWS |
| SULFATE | 01/10/90 | 0006 | MG/L | | 1220 | 100 | RWS |
| TOTAL DISSOLVED SOLIDS | 01/10/90 | 0006 | MG/L | | 3690 | 33.0 | RWS |
| TOTAL XYLENES (8020) | 01/10/90 | 0006 | UG/L | | 130 | - | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G008 GBR-08
NORTH COORDINATE: 2075099.53 FT
EAST COORDINATE: 423760.15 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ZINC, SOLUBLE | 01/10/90 | 0010 | UG/L | | 44.8 | 20.0 | RWS |
| ZINC, TOTAL | 01/10/90 | 0006 | UG/L | | 164 | 20.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G009 GBR-09
NORTH COORDINATE: 2075104.84 FT
EAST COORDINATE: 423740.86 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| BICARBONATE | 08/25/88 | 0007 | MG/L | | 116 | - | RWS |
| CALCIUM, SOLUBLE | 08/25/88 | 0007 | UG/L | | 433540 | - | RWS |
| CHLORIDE BY IC | 08/25/88 | 0007 | MG/L | | 335 | - | RWS |
| DICHLOROMETHANE-METHYLENE CL (624H) | 08/25/88 | 0007 | UG/L | B | 6.0 | 5 | RWS |
| MAGNESIUM, SOLUBLE | 08/25/88 | 0007 | UG/L | | 36280 | - | RWS |
| POTASSIUM, SOLUBLE | 08/25/88 | 0007 | UG/L | | 9400 | - | RWS |
| SODIUM, SOLUBLE | 08/25/88 | 0007 | UG/L | | 597000 | - | RWS |
| SULFATE | 08/25/88 | 0007 | MG/L | | 1720 | - | RWS |
| SULFIDE | 08/25/88 | 0007 | MG/L | | 1.2 | - | RWS |
| TOTAL DISSOLVED SOLIDS | 08/25/88 | 0007 | MG/L | | 3680 | - | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G014 GBR-14 AND GRW-13
NORTH COORDINATE: 2075928.25 FT
EAST COORDINATE: 423667.55 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,2-DICHLOROETHANE | 04/02/90 | 0001 | UG/L | | 3.7 | 0.10 | RDC |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G015 GBR-15
NORTH COORDINATE: 2075894.40 FT
EAST COORDINATE: 423696.23 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1-DICHLOROETHANE | 04/03/90 | 0001 | UG/L | | 69 | 10 | RDC |
| BENZENE (8020) | 04/03/90 | 0001 | UG/L | | 110 | 4.0 | RDC |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G017 GBR-17
NORTH COORDINATE: 2076194.00 FT
EAST COORDINATE: 423431.19 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1,1-TRICHLOROETHANE | 03/14/89 | 0001 | UG/L | | 0.85 | 0.03 | INL |
| | 06/14/89 | 0001 | | | 1.4 | 1.0 | INL |
| | 04/03/90 | 0001 | | | 1.2 | 0.20 | RDC |
| ACETONE (624H) | 08/24/88 | 0001 | UG/L | B | 14 | 10 | RWS |
| BICARBONATE | 08/24/88 | 0001 | MG/L | | 123 | - | RWS |
| | 08/23/90 | 0007 | | | 228 | 10.0 | RWS |
| CALCIUM, SOLUBLE | 08/24/88 | 0001 | UG/L | | 392060 | - | RWS |
| | 08/23/90 | 0007 | | | 321000 | 5000 | RWS |
| CHLORIDE | 08/23/90 | 0007 | MG/L | | 87.6 | 0.50 | RWS |
| CHLORIDE BY IC | 08/24/88 | 0001 | MG/L | | 645 | - | RWS |
| CHROMIUM, SOLUBLE | 08/23/90 | 0007 | UG/L | | 14.5 | 10.0 | RWS |
| DICHLOROMETHANE-METHYLENE CHLORIDE | 03/14/89 | 0001 | UG/L | | 1.8 | 0.1 | INL |
| MAGNESIUM, SOLUBLE | 08/24/88 | 0001 | UG/L | | 38580 | - | RWS |
| | 08/23/90 | 0007 | | | 26400 | 5000 | RWS |
| NITRATE NITRITE | 08/23/90 | 0007 | MG/L | | 3.7 | 0.10 | RWS |
| POTASSIUM, SOLUBLE | 08/24/88 | 0001 | UG/L | | 3030 | - | RWS |
| SODIUM, SOLUBLE | 08/24/88 | 0001 | UG/L | | 285500 | - | RWS |
| | 08/23/90 | 0007 | | | 313000 | 5000 | RWS |
| STRONTIUM, SOLUBLE | 08/23/90 | 0007 | UG/L | | 5710 | 1000 | RWS |
| SULFATE | 08/24/88 | 0001 | MG/L | | 996 | - | RWS |
| | 08/23/90 | 0007 | | | 1290 | 5.0 | RWS |
| TOTAL DISSOLVED SOLIDS | 08/24/88 | 0001 | MG/L | | 2350 | - | RWS |
| | 08/23/90 | 0007 | | | 3070 | 50.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G018 GBR-18
NORTH COORDINATE: 2076976.92 FT
EAST COORDINATE: 423829.67 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: BEDROCK AQUIFER (BR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ACETONE (624H) | 08/24/88 | 0002 | UG/L | B | 110 | 10 | RWS |
| ALUMINUM, SOLUBLE | 04/26/90 | 0019 | UG/L | | 793 | 200 | RWS |
| BENZENE (8020) | 08/23/90 | 0008 | UG/L | | 1.7 | 0.50 | RWS |
| BICARBONATE | 08/24/88 | 0002 | MG/L | | 85 | - | RWS |
| | 03/22/90 | 0004 | | | 158 | 10.0 | RWS |
| | 04/26/90 | 0019 | | | 156 | 10.0 | RWS |
| | 05/19/90 | 0001 | | | 170 | 10.0 | RWS |
| | 08/23/90 | 0008 | | | 180 | 10.0 | RWS |
| BROMIDE | 03/22/90 | 0004 | MG/L | | 1.6 | 0.25 | RWS |
| | 05/19/90 | 0001 | | | 1.3 | 0.25 | RWS |
| | 08/23/90 | 0008 | | | 0.79 | 0.25 | RWS |
| CALCIUM, SOLUBLE | 08/24/88 | 0002 | UG/L | | 405740 | - | RWS |
| | 03/22/90 | 0004 | | | 412000 | 5000 | RWS |
| | 04/26/90 | 0019 | | | 443000 | 5000 | RWS |
| | 05/19/90 | 0001 | | | 444000 | 5000 | RWS |
| | 08/23/90 | 0008 | | | 407000 | 5000 | RWS |
| CHLORIDE | 04/26/90 | 0019 | MG/L | | 175 | 5.0 | RWS |
| | 05/19/90 | 0001 | | | 2080 | 10.0 | RWS |
| | 08/23/90 | 0008 | | | 222 | 0.50 | RWS |
| CHLORIDE BY IC | 08/24/88 | 0002 | MG/L | | 1021 | - | RWS |
| | 03/22/90 | 0004 | | | 205 | 5.0 | RWS |
| IRON, SOLUBLE | 04/26/90 | 0019 | UG/L | | 636 | 100 | RWS |
| LEAD, SOLUBLE | 04/26/90 | 0019 | UG/L | | 50.6 | 5.0 | RWS |
| MAGNESIUM, SOLUBLE | 08/24/88 | 0002 | UG/L | | 41500 | - | RWS |
| | 03/22/90 | 0004 | | | 39000 | 5000 | RWS |
| | 04/26/90 | 0019 | | | 39300 | 5000 | RWS |
| | 05/19/90 | 0001 | | | 43500 | 5000 | RWS |
| | 08/23/90 | 0008 | | | 40200 | 5000 | RWS |
| MANGANESE, SOLUBLE | 03/22/90 | 0004 | UG/L | | 33.6 | 15.0 | RWS |
| | 04/26/90 | 0019 | | | 104 | 15.0 | RWS |
| | 05/19/90 | 0001 | | | 51.5 | 15.0 | RWS |
| | 08/23/90 | 0008 | | | 38.3 | 15.0 | RWS |
| NITRATE NITRITE | 03/22/90 | 0004 | MG/L | | 5.0 | 0.50 | RWS |
| | 04/26/90 | 0019 | | | 3.3 | 1.0 | RWS |
| | 05/19/90 | 0001 | | | 4.7 | 0.050 | RWS |
| | 08/23/90 | 0008 | | | 5.0 | 0.10 | RWS |
| POTASSIUM, SOLUBLE | 08/24/88 | 0002 | UG/L | | 15030 | - | RWS |
| | 03/22/90 | 0004 | | | 15500 | 5000 | RWS |
| | 04/26/90 | 0019 | | | 16500 | 5000 | RWS |
| | 05/19/90 | 0001 | | | 14000 | 5000 | RWS |
| | 08/23/90 | 0008 | | | 14900 | 5000 | RWS |
| SELENIUM, SOLUBLE | 03/22/90 | 0004 | UG/L | | 36.0 | 5.0 | RWS |
| | 04/26/90 | 0019 | | | 37.6 | 5.0 | RWS |
| | 05/19/90 | 0001 | | | 41.2 | 5.0 | RWS |
| SODIUM, SOLUBLE | 08/24/88 | 0002 | UG/L | | 885900 | - | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G018 GBR-18
NORTH COORDINATE: 2076976.92 FT
EAST COORDINATE: 423829.67 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: BEDROCK AQUIFER (BR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| SODIUM, SOLUBLE | 03/22/90 | 0004 | UG/L | | 952000 | 50000 | RWS |
| | 04/26/90 | 0019 | | | 963000 | 25000 | RWS |
| | 05/19/90 | 0001 | | | 953000 | 50000 | RWS |
| | 08/23/90 | 0008 | | | 883000 | 50000 | RWS |
| STRONTIUM, SOLUBLE | 03/22/90 | 0004 | UG/L | | 9850 | 1000 | RWS |
| | 04/26/90 | 0019 | | | 9690 | 1000 | RWS |
| | 05/19/90 | 0001 | | | 11400 | 1000 | RWS |
| | 08/23/90 | 0008 | | | 9700 | 1000 | RWS |
| SULFATE | 08/24/88 | 0002 | MG/L | | 2793 | - | RWS |
| | 03/22/90 | 0004 | | | 1760 | 25.0 | RWS |
| | 04/26/90 | 0019 | | | 2650 | 50.0 | RWS |
| | 05/19/90 | 0001 | | | 3000 | 10.0 | RWS |
| | 08/23/90 | 0008 | | | 2810 | 50.0 | RWS |
| TOLUENE (8020) | 03/22/90 | 0004 | UG/L | | 0.65 | 0.50 | RWS |
| TOTAL DISSOLVED SOLIDS | 08/24/88 | 0002 | MG/L | | 4570 | - | RWS |
| | 03/22/90 | 0004 | | | 4480 | 33.3 | RWS |
| | 04/26/90 | 0019 | | | 4680 | 33.3 | RWS |
| | 05/19/90 | 0001 | | | 4740 | 33.3 | RWS |
| | 08/23/90 | 0008 | | | 4440 | 50.0 | RWS |
| TOTAL XYLENES (8020) | 03/22/90 | 0004 | UG/L | | 0.58 | 0.50 | RWS |
| ZINC, SOLUBLE | 03/22/90 | 0004 | UG/L | | 8370 | 20.0 | RWS |
| | 04/26/90 | 0019 | | | 69600 | 100 | RWS |
| | 05/19/90 | 0001 | | | 12800 | 20.0 | RWS |
| | 08/23/90 | 0008 | | | 7000 | 20.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G019 GBR-19
NORTH COORDINATE: 2075390.11 FT
EAST COORDINATE: 423599.04 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,2-CIS-DICHLOROETHENE (624H) | 08/25/88 | 0009 | UG/L | | 23 | 5 | RWS |
| BICARBONATE | 08/25/88 | 0009 | MG/L | | 338 | - | RWS |
| CALCIUM, SOLUBLE | 08/25/88 | 0009 | UG/L | | 297300 | - | RWS |
| CHLORIDE BY IC | 08/25/88 | 0009 | MG/L | | 438 | - | RWS |
| MAGNESIUM, SOLUBLE | 08/25/88 | 0009 | UG/L | | 27410 | - | RWS |
| POTASSIUM, SOLUBLE | 08/25/88 | 0009 | UG/L | | 4860 | - | RWS |
| SODIUM, SOLUBLE | 08/25/88 | 0009 | UG/L | | 666400 | - | RWS |
| SULFATE | 08/25/88 | 0009 | MG/L | | 1240 | - | RWS |
| SULFIDE | 08/25/88 | 0009 | MG/L | | 8.8 | - | RWS |
| TETRACHLOROETHENE (624H) | 08/25/88 | 0009 | UG/L | | 8.0 | 5 | RWS |
| TOTAL DISSOLVED SOLIDS | 08/25/88 | 0009 | MG/L | | 3070 | - | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G024 GBR-24S (SHALLOW)
NORTH COORDINATE: 2076033.31 FT
EAST COORDINATE: 423733.87 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1-DICHLOROETHANE (624H) | 08/25/88 | 0008 | UG/L | | 26 | 5 | RWS |
| ACETONE (624H) | 08/25/88 | 0008 | UG/L | B | 16 | 10 | RWS |
| BENZENE (624H) | 08/25/88 | 0008 | UG/L | | 37 | 5 | RWS |
| BICARBONATE | 08/25/88 | 0008 | MG/L | | 107 | - | RWS |
| CALCIUM, SOLUBLE | 08/25/88 | 0008 | UG/L | | 381190 | - | RWS |
| CHLORIDE BY IC | 08/25/88 | 0008 | MG/L | | 488 | - | RWS |
| DICHLOROMETHANE-METHYLENE CL (624H) | 08/25/88 | 0008 | UG/L | | 6.0 | 5 | RWS |
| ETHYLBENZENE (624H) | 08/25/88 | 0008 | UG/L | | 77 | 5 | RWS |
| MAGNESIUM, SOLUBLE | 08/25/88 | 0008 | UG/L | | 80690 | - | RWS |
| POTASSIUM, SOLUBLE | 08/25/88 | 0008 | UG/L | | 7730 | - | RWS |
| SODIUM, SOLUBLE | 08/25/88 | 0008 | UG/L | | 527500 | - | RWS |
| SULFATE | 08/25/88 | 0008 | MG/L | | 1790 | - | RWS |
| SULFIDE | 08/25/88 | 0008 | MG/L | | 30 | - | RWS |
| TOLUENE (624H) | 08/25/88 | 0008 | UG/L | | 7.0 | 5 | RWS |
| TOTAL DISSOLVED SOLIDS | 08/25/88 | 0008 | MG/L | | 3600 | - | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G029 GBR-29 AND GRW-03
NORTH COORDINATE: 2075082.87 FT
EAST COORDINATE: 423822.92 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,2-CIS-DICHLOROETHENE | 04/02/90 | 0001 | UG/L | | 10 | 2.0 | RDC |
| BENZENE (8020) | 04/02/90 | 0001 | UG/L | | 280 | 2.0 | RDC |
| ETHYLBENZENE (8020) | 04/02/90 | 0001 | UG/L | | 98 | 2.0 | RDC |
| TOTAL XYLENES (8020) | 04/02/90 | 0001 | UG/L | | 33 | 2.0 | RDC |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G030 GBR-30
NORTH COORDINATE: 2075965.18 FT
EAST COORDINATE: 423667.96 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1-DICHLOROETHANE | 03/14/89 | 0001 | UG/L | | 0.08 | 0.05 | INL |
| 1,2-DICHLOROETHANE | 03/14/89 | 0001 | UG/L | | 0.10 | 0.03 | INL |
| BENZENE (8020) | 03/14/89 | 0001 | UG/L | | 1.9 | 0.2 | INL |
| DICHLOROMETHANE-METHYLENE CHLORIDE | 03/14/89 | 0001 | UG/L | | 1.0 | 0.1 | INL |
| ETHYLBENZENE (8020) | 03/14/89<br>04/03/90 | 0001<br>0001 | UG/L | | 3.5<br>2.0 | 0.2<br>0.20 | INL<br>RDC |
| M,P-XYLENE (8020) | 03/14/89<br>06/13/89 | 0001<br>0001 | UG/L | | 8.2<br>4.3 | 0.2<br>0.2 | INL<br>INL |
| O-XYLENE (8020) | 03/14/89 | 0001 | UG/L | | 3.4 | 0.2 | INL |
| TOLUENE (8020) | 03/14/89 | 0001 | UG/L | | 5.3 | 0.2 | INL |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G031 GBR-31
NORTH COORDINATE: 2075745.06 FT
EAST COORDINATE: 423633.63 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1,1-TRICHLOROETHANE | 06/13/89 | 0001 | UG/L | | 1.6 | 1.0 | INL |
| 1,1-DICHLOROETHANE | 03/15/89 | 0001 | UG/L | | 0.18 | 0.05 | INL |
| | 06/13/89 | 0001 | | | 5.7 | 1.0 | INL |
| 1,2-CIS-DICHLOROETHENE | 04/04/90 | 0001 | UG/L | | 4.7 | 0.20 | RDC |
| 1,2-DICHLOROETHANE | 03/15/89 | 0001 | UG/L | | 0.84 | 0.03 | INL |
| | 04/04/90 | 0001 | | | 0.84 | 0.10 | RDC |
| 1-METHYLNAPHTHALENE | 03/15/89 | 0001 | UG/L | | 10.0 | 5.0 | INL |
| BICARBONATE | 08/25/88 | 0010 | MG/L | | 190 | - | RWS |
| CALCIUM, SOLUBLE | 08/25/88 | 0010 | UG/L | | 403080 | - | RWS |
| CHLORIDE BY IC | 08/25/88 | 0010 | MG/L | | 682 | - | RWS |
| CHLOROFORM | 06/13/89 | 0001 | UG/L | | 1.9 | 1.0 | INL |
| DICHLOROMETHANE-METHYLENE CHLORIDE | 03/15/89 | 0001 | UG/L | | 3.2 | 0.1 | INL |
| FLUORANTHENE | 03/15/89 | 0001 | UG/L | | 8.3 | 5.0 | INL |
| FLUORENE | 03/15/89 | 0001 | UG/L | | 20.0 | 5.0 | INL |
| MAGNESIUM, SOLUBLE | 08/25/88 | 0010 | UG/L | | 46600 | - | RWS |
| NAPTHALENE | 03/15/89 | 0001 | UG/L | | 7.4 | 5.0 | INL |
| PHENANTHRENE | 03/15/89 | 0001 | UG/L | | 15.8 | 5.0 | INL |
| POTASSIUM, SOLUBLE | 08/25/88 | 0010 | UG/L | | 5220 | - | RWS |
| SODIUM, SOLUBLE | 08/25/88 | 0010 | UG/L | | 567400 | - | RWS |
| SULFATE | 08/25/88 | 0010 | MG/L | | 1660 | - | RWS |
| SULFIDE | 08/25/88 | 0010 | MG/L | | 38 | - | RWS |
| TETRACHLOROETHENE | 03/15/89 | 0001 | UG/L | | 0.17 | 0.03 | INL |
| | 06/13/89 | 0001 | | | 17.2 | 1.0 | INL |
| TOTAL DISSOLVED SOLIDS | 08/25/88 | 0010 | MG/L | | 3815 | - | RWS |
| TOTAL XYLENES (8020) | 04/04/90 | 0001 | UG/L | | 6.0 | 0.20 | RDC |
| TRICHLOROETHENE | 06/13/89 | 0001 | UG/L | | 10.8 | 1.0 | INL |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G032 GBR-32
NORTH COORDINATE: 2077015.27 FT
EAST COORDINATE: 423444.62 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1,1-TRICHLOROETHANE | 12/10/89 | 0001 | UG/L | | 1.3 | 0.20 | RDC |
| | 12/20/89 | 0001 | | | 1.5 | 0.20 | RDC |
| | 04/26/90 | 0017 | | | 5.9 | 0.50 | RWS |
| | 05/18/90 | 0003 | | | 0.80 | 0.50 | RWS |
| 1,1,1-TRICHLOROETHANE (601) | 03/14/89 | 0001 | UG/L | | 0.78 | 0.03 | INL |
| | 06/13/89 | 0001 | | | 1.5 | 1.0 | INL |
| 1,1-DICHLOROETHANE | 12/10/89 | 0001 | UG/L | | 3.0 | 0.50 | RDC |
| | 12/20/89 | 0001 | | | 2.8 | 0.50 | RDC |
| | 03/22/90 | 0002 | | | 2.0 | 0.50 | RWS |
| | 04/09/90 | 0001 | | | 1.50 | 1.00 | SLD |
| | 04/26/90 | 0017 | | | 3.0 | 0.50 | RWS |
| | 05/18/90 | 0003 | | | 2.9 | 0.50 | RWS |
| | 09/18/90 | 0001 | | | 1.3 | 0.50 | RWS |
| 1,1-DICHLOROETHANE (601) | 06/13/89 | 0001 | UG/L | | 3.9 | 1.0 | INL |
| 1,1-DICHLOROETHENE (601) | 03/14/89 | 0001 | UG/L | | 3.1 | 0.1 | INL |
| 1,2-CIS-DICHLOROETHENE | 04/09/90 | 0001 | UG/L | | 88.30 | 1.00 | SLD |
| 1,2-CIS-DICHLOROETHENE (624H) | 08/24/88 | 0003 | UG/L | | 97 | 5 | RWS |
| 1,2-TRANS-DICHLOROETHENE | 12/10/89 | 0001 | UG/L | | 140 | 0.20 | RDC |
| | 12/20/89 | 0001 | | | 160 | 0.20 | RDC |
| ACETONE (624H) | 08/24/88 | 0003 | UG/L | B | 19 | 10 | RWS |
| ACIDITY | 12/11/89 | 0001 | MG/L | | 0.00 | - | INL |
| ALKALINITY | 03/14/89 | 0001 | MG/L | | 384 | - | INL |
| | 06/13/89 | 0001 | | | 375.24 | - | INL |
| | 12/11/89 | 0001 | | | 334.62 | - | INL |
| BENZENE (8020) | 03/14/89 | 0001 | UG/L | | 0.81 | 0.2 | RDC |
| | 12/10/89 | 0001 | | | 96 | 0.20 | RDC |
| | 03/22/90 | 0002 | | | 68 | 0.50 | RWS |
| | 04/26/90 | 0017 | | | 94 | 0.50 | RWS |
| | 05/18/90 | 0003 | | | 96 | 0.50 | RWS |
| | 09/18/90 | 0001 | | | 100 | 0.50 | RWS |
| BICARBONATE | 08/24/88 | 0003 | MG/L | | 175 | - | RWS |
| | 03/14/89 | 0001 | | | 468 | - | INL |
| | 06/13/89 | 0001 | | | 457.79 | - | INL |
| | 12/11/89 | 0001 | | | 408.24 | - | INL |
| | 03/22/90 | 0002 | | | 346 | 10.0 | RWS |
| | 04/26/90 | 0017 | | | 360 | 10.0 | RWS |
| | 05/18/90 | 0003 | | | 362 | 10.0 | RWS |
| BIS(2-ETHYLHEXYL)PHTHALATE (625H) | 04/26/90 | 0017 | UG/L | B | 20 | 10 | RWS |
| BROMIDE | 03/22/90 | 0002 | MG/L | | 1.7 | 0.25 | RWS |
| | 05/18/90 | 0003 | | | 1.9 | 0.25 | RWS |
| CALCIUM, SOLUBLE | 08/24/88 | 0003 | UG/L | | 567300 | - | RWS |
| | 03/14/89 | 0001 | | | 395000 | - | INL |
| | 06/13/89 | 0001 | | | 418100 | - | INL |
| | 12/11/89 | 0001 | | | 301090 | - | INL |
| | 03/22/90 | 0002 | | | 263000 | 5000 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G032 GBR-32
NORTH COORDINATE: 2077015.27 FT
EAST COORDINATE: 423444.62 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| CALCIUM, SOLUBLE | 04/26/90 | 0017 | UG/L | | 309000 | 5000 | RWS |
| | 05/18/90 | 0003 | | | 330000 | 5000 | RWS |
| | 09/18/90 | 0001 | | | 318000 | 5000 | RWS |
| CARBONATE | 06/13/89 | 0001 | MG/L | | 0.00 | - | INL |
| | 12/11/89 | 0001 | | | 0.00 | - | INL |
| CHLORIDE | 03/14/89 | 0001 | MG/L | | 541 | - | INL |
| | 06/13/89 | 0001 | | | 477.92 | - | INL |
| | 12/11/89 | 0001 | | | 331.88 | - | INL |
| | 04/26/90 | 0017 | | | 411 | 5.0 | RWS |
| | 05/18/90 | 0003 | | | 430 | 5.0 | RWS |
| CHLORIDE BY IC | 08/24/88 | 0003 | MG/L | | 2110 | - | RWS |
| | 03/22/90 | 0002 | | | 279 | 5.0 | RWS |
| CHLOROFORM (601) | 03/14/89 | 0001 | UG/L | | 0.4 | 0.1 | INL |
| | 06/13/89 | 0001 | | | 3.0 | 1.0 | INL |
| COBALT, SOLUBLE | 04/26/90 | 0017 | UG/L | | 52.8 | 50.0 | RWS |
| | 05/18/90 | 0003 | | | 50.3 | 50.0 | RWS |
| DICHLORODIFLUOROMETHANE | 05/18/90 | 0003 | UG/L | | 7.2 | 0.50 | RWS |
| DICHLOROMETHANE-METHYLENE CHLORIDE | 04/26/90 | 0017 | UG/L | | 2.3 | 0.50 | RWS |
| | 05/18/90 | 0003 | | | 2.2 | 0.50 | RWS |
| DICHLOROMETHANE-METHYLENE CL (601) | 03/14/89 | 0001 | UG/L | | 10.8 | 0.1 | INL |
| DICHLOROMETHANE-METHYLENE CL (624H) | 08/24/88 | 0003 | UG/L | B | 6.0 | 5 | RWS |
| HARDNESS | 03/14/89 | 0001 | MG/L | | 1133 | - | INL |
| | 06/13/89 | 0001 | | | 1080.01 | - | INL |
| | 12/11/89 | 0001 | | | 757.87 | - | INL |
| LAB CONDUCTIVITY | 06/13/89 | 0001 | UMHOS/CM | | 5000 | - | INL |
| | 12/11/89 | 0001 | | | 3721 | - | INL |
| MAGNESIUM, SOLUBLE | 08/24/88 | 0003 | UG/L | | 43480 | - | RWS |
| | 03/14/89 | 0001 | | | 36000 | - | INL |
| | 06/13/89 | 0001 | | | 8960 | - | INL |
| | 12/11/89 | 0001 | | | 1620 | - | INL |
| | 04/26/90 | 0017 | | | 30000 | 5000 | RWS |
| | 05/18/90 | 0003 | | | 28800 | 5000 | RWS |
| | 09/18/90 | 0001 | | | 34200 | 5000 | RWS |
| MANGANESE, SOLUBLE | 03/22/90 | 0002 | UG/L | | 2330 | 15.0 | RWS |
| | 04/26/90 | 0017 | | | 1950 | 15.0 | RWS |
| | 05/18/90 | 0003 | | | 1740 | 15.0 | RWS |
| | 09/18/90 | 0001 | | | 2480 | 15.0 | RWS |
| NICKEL, SOLUBLE | 03/22/90 | 0002 | UG/L | | 158 | 40.0 | RWS |
| | 04/26/90 | 0017 | | | 164 | 40.0 | RWS |
| | 05/18/90 | 0003 | | | 146 | 40.0 | RWS |
| | 09/18/90 | 0001 | | | 168 | 40.0 | RWS |
| NITRATE NITRITE | 03/14/89 | 0001 | MG/L | | 3.97 | - | INL |
| | 03/22/90 | 0002 | | | 1.5 | 0.10 | RWS |
| | 04/26/90 | 0017 | | | 0.67 | 0.20 | RWS |
| | 05/18/90 | 0003 | | | 1.8 | 0.050 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G032 GBR-32
NORTH COORDINATE: 2077015.27 FT
EAST COORDINATE: 423444.62 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| NITRATE NITRITE | 09/18/90 | 0001 | MG/L | | 0.68 | 0.10 | RWS |
| PH | 06/13/89 | 0001 | S.U. | | 7.26 | - | INL |
| | 12/11/89 | 0001 | | | 7.44 | - | INL |
| POTASSIUM, SOLUBLE | 08/24/88 | 0003 | UG/L | | 5570 | - | RWS |
| | 03/14/89 | 0001 | | | 3000 | - | INL |
| | 06/13/89 | 0001 | | | 2440 | - | INL |
| | 12/11/89 | 0001 | | | 2400 | - | INL |
| SELENIUM, SOLUBLE | 04/26/90 | 0017 | UG/L | | 5.8 | 5.0 | RWS |
| | 05/18/90 | 0003 | | | 10.6 | 5.0 | RWS |
| SODIUM, SOLUBLE | 08/24/88 | 0003 | UG/L | | 789100 | - | RWS |
| | 03/14/89 | 0001 | | | 780000 | - | INL |
| | 06/13/89 | 0001 | | | 801600 | - | INL |
| | 12/11/89 | 0001 | | | 627500 | - | INL |
| | 03/22/90 | 0002 | | | 769000 | 50000 | RWS |
| | 04/26/90 | 0017 | | | 728000 | 25000 | RWS |
| | 05/18/90 | 0003 | | | 684000 | 50000 | RWS |
| | 09/18/90 | 0001 | | | 738000 | 50000 | RWS |
| STRONTIUM, SOLUBLE | 03/22/90 | 0002 | UG/L | | 5250 | 1000 | RWS |
| | 04/26/90 | 0017 | | | 5820 | 1000 | RWS |
| | 05/18/90 | 0003 | | | 5050 | 1000 | RWS |
| | 09/18/90 | 0001 | | | 6470 | 1000 | RWS |
| SULFATE | 08/24/88 | 0003 | MG/L | | 995 | - | RWS |
| | 03/14/89 | 0001 | | | 1588 | - | INL |
| | 06/13/89 | 0001 | | | 1750.93 | - | INL |
| | 12/11/89 | 0001 | | | 0304.46 | - | INL |
| | 03/22/90 | 0002 | | | 1320 | 10.0 | RWS |
| | 04/26/90 | 0017 | | | 1590 | 5.0 | RWS |
| | 05/18/90 | 0003 | | | 1720 | 5.0 | RWS |
| TETRACHLOROETHENE | 12/10/89 | 0001 | UG/L | | 17 | 0.10 | RDC |
| | 12/20/89 | 0001 | | | 22 | 0.10 | RDC |
| | 03/22/90 | 0002 | | | 8.6 | 0.50 | RWS |
| | 04/09/90 | 0001 | | | 15.00 | 1.00 | SLD |
| | 04/26/90 | 0017 | | | 14 | 0.50 | RWS |
| | 05/18/90 | 0003 | | | 14 | 0.50 | RWS |
| | 09/18/90 | 0001 | | | 16 | 0.50 | RWS |
| TETRACHLOROETHENE (601) | 03/14/89 | 0001 | UG/L | | 11.7 | 0.03 | INL |
| | 06/13/89 | 0001 | | | 17.3 | 1.0 | INL |
| TETRACHLOROETHENE (624H) | 08/24/88 | 0003 | UG/L | | 15 | 5 | RWS |
| TOLUENE (8020) | 03/14/89 | 0001 | UG/L | | 1.1 | 0.2 | RDC |
| | 09/18/90 | 0001 | | | 1.3 | 0.50 | RWS |
| TOTAL DISSOLVED SOLIDS | 08/24/88 | 0003 | MG/L | | 4230 | - | RWS |
| | 03/14/89 | 0001 | | | 3573 | - | INL |
| | 06/13/89 | 0001 | | | 3682.43 | - | INL |
| | 12/11/89 | 0001 | | | 2770 | - | INL |
| | 03/22/90 | 0002 | | | 2930 | 33.3 | RWS |
| | 04/26/90 | 0017 | | | 3290 | 33.3 | RWS |
| | 05/18/90 | 0003 | | | 2930 | 33.3 | RWS |
| TOTAL XYLENES (8020) | 03/22/90 | 0002 | UG/L | | 0.89 | 0.50 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G032 GBR-32
NORTH COORDINATE: 2077015.27 FT
EAST COORDINATE: 423444.62 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| TRICHLOROETHENE | 12/10/89 | 0001 | UG/L | | 10 | 0.20 | RDC |
| | 12/20/89 | 0001 | | | 12 | 0.20 | RDC |
| | 03/22/90 | 0002 | | | 8.0 | 0.50 | RWS |
| | 04/09/90 | 0001 | | | 10.90 | 1.00 | SLD |
| | 04/26/90 | 0017 | | | 12 | 0.50 | RWS |
| | 05/18/90 | 0003 | | | 9.4 | 0.50 | RWS |
| | 09/18/90 | 0001 | | | 9.1 | 0.50 | RWS |
| TRICHLOROETHENE (601) | 03/14/89 | 0001 | UG/L | | 8.1 | 0.1 | INL |
| | 06/13/89 | 0001 | | | 12.2 | 1.0 | INL |
| TRICHLOROETHENE (624H) | 08/24/88 | 0003 | UG/L | | 10 | 5 | RWS |
| TRICHLOROFLUOROMETHANE | 12/20/89 | 0001 | UG/L | | 1.1 | 0.20 | RDC |
| ZINC, SOLUBLE | 03/22/90 | 0002 | UG/L | | 54.9 | 20.0 | RWS |
| | 09/18/90 | 0001 | | | 46.2 | 20.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G033 GBR-33
NORTH COORDINATE: 2075639.57 FT
EAST COORDINATE: 423663.76 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,2-CIS-DICHLOROETHENE | 04/04/90 | 0001 | UG/L | | 8.7 | 0.20 | RDC |
| 1,2-DICHLOROETHANE | 06/13/89 | 0001 | UG/L | | 1.8 | 1.0 | INL |
| BENZENE (8020) | 06/13/89 | 0001 | UG/L | | 32.6 | 0.2 | INL |
| ETHYLBENZENE (8020) | 06/13/89 | 0001 | UG/L | | 76.0 | 0.2 | INL |
| M,P-XYLENE (8020) | 06/13/89 | 0001 | UG/L | | 55.1 | 0.2 | INL |
| O-XYLENE (8020) | 06/13/89 | 0001 | UG/L | | 19.0 | 0.2 | INL |
| TETRACHLOROETHENE | 04/04/90 | 0001 | UG/L | | 1.7 | 0.10 | RDC |
| TOLUENE (8020) | 06/13/89 | 0001 | UG/L | | 11.3 | 0.2 | INL |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G043 GBR-43 AND GRW-04
NORTH COORDINATE: 2075085.74 FT
EAST COORDINATE: 423745.91 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| BENZENE (8020) | 04/02/90 | 0001 | UG/L | | 440 | 4.0 | RDC |
| ETHYLBENZENE (8020) | 04/02/90 | 0001 | UG/L | | 65 | 4.0 | RDC |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G044 GBR-44 AND GRW-06
NORTH COORDINATE: 2075176.00 FT
EAST COORDINATE: 423676.90 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1,1-TRICHLOROETHANE | 04/02/90 | 0001 | UG/L | | 1.1 | 0.20 | RDC |
| 1,2-DICHLOROETHANE | 04/02/90 | 0001 | UG/L | | 6.5 | 0.10 | RDC |
| BENZENE (8020) | 04/02/90 | 0001 | UG/L | | 16 | 0.20 | RDC |
| TETRACHLOROETHENE | 04/02/90 | 0001 | UG/L | | 1.9 | 0.10 | RDC |
| TOTAL XYLENES (8020) | 04/02/90 | 0001 | UG/L | | 3.4 | 0.20 | RDC |
| TRICHLOROETHENE | 04/02/90 | 0001 | UG/L | | 2.0 | 0.20 | RDC |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G047 GBR-47
NORTH COORDINATE: 2076861.28 FT
EAST COORDINATE: 423467.70 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1,1-TRICHLOROETHANE (601) | 03/15/89 | 0001 | UG/L | | 0.24 | 0.03 | INL |
| 1,1-DICHLOROETHANE (601) | 03/15/89 | 0001 | UG/L | | 0.81 | 0.05 | INL |
| 1,2-DICHLOROETHANE (601) | 03/15/89 | 0001 | UG/L | | 0.45 | 0.03 | INL |
| | 06/13/89 | 0001 | | | 9.3 | 1.0 | INL |
| ALKALINITY | 03/14/89 | 0001 | MG/L | | 230 | - | INL |
| | 03/15/89 | 0001 | | | 281 | - | INL |
| | 06/13/89 | 0001 | | | 252.83 | - | INL |
| BENZENE (8020) | 06/13/89 | 0001 | UG/L | | 17.7 | 0.2 | INL |
| BENZO(K)FLUORANTHENE (8100) | 03/15/89 | 0001 | UG/L | | 3.0 | 0.5 | INL |
| BICARBONATE | 03/14/89 | 0001 | MG/L | | 281 | - | INL |
| | 03/15/89 | 0001 | | | 343 | - | INL |
| | 06/13/89 | 0001 | | | 308.46 | - | INL |
| CALCIUM, SOLUBLE | 03/14/89 | 0001 | UG/L | | 424000 | - | INL |
| | 03/15/89 | 0001 | | | 573000 | - | INL |
| | 06/13/89 | 0001 | | | 565660 | - | INL |
| CARBONATE | 06/13/89 | 0001 | MG/L | | 0.00 | - | INL |
| CHLORIDE | 03/14/89 | 0001 | MG/L | | 162 | - | INL |
| | 03/15/89 | 0001 | | | 443 | - | INL |
| | 06/13/89 | 0001 | | | 891.04 | - | INL |
| CHLOROFORM (601) | 06/13/89 | 0001 | UG/L | | 1.0 | 1.0 | INL |
| CHRYSENE (8100) | 03/15/89 | 0001 | UG/L | | 7.6 | 0.5 | INL |
| DICHLOROMETHANE-METHYLENE CL (601) | 03/14/89 | 0001 | UG/L | | 3.1 | 0.1 | INL |
| | 03/15/89 | 0001 | | | 0.5 | 0.1 | INL |
| | 06/13/89 | 0001 | | | 4.0 | 1.0 | INL |
| HARDNESS | 03/14/89 | 0001 | MG/L | | 1227 | - | INL |
| | 03/15/89 | 0001 | | | 1588 | - | INL |
| | 06/13/89 | 0001 | | | 1522.96 | - | INL |
| LAB CONDUCTIVITY | 06/13/89 | 0001 | UMHOS/CM | | 5700 | - | INL |
| M,P-XYLENE (8020) | 06/13/89 | 0001 | UG/L | | 40.4 | 0.2 | INL |
| MAGNESIUM, SOLUBLE | 03/14/89 | 0001 | UG/L | | 41000 | - | INL |
| | 03/15/89 | 0001 | | | 38000 | - | INL |
| | 06/13/89 | 0001 | | | 27150 | - | INL |
| NITRATE NITRITE | 03/14/89 | 0001 | MG/L | | 3.14 | - | INL |
| | 03/15/89 | 0001 | | | 1.32 | - | INL |
| O-XYLENE (8020) | 06/13/89 | 0001 | UG/L | | 15.6 | 0.2 | INL |
| PH | 06/13/89 | 0001 | S.U. | | 7.03 | - | INL |
| POTASSIUM, SOLUBLE | 03/14/89 | 0001 | UG/L | | 1000 | - | INL |
| | 03/15/89 | 0001 | | | 3000 | - | INL |
| | 06/13/89 | 0001 | | | 6000 | - | INL |
| SODIUM, SOLUBLE | 03/14/89 | 0001 | UG/L | | 295000 | - | INL |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G047 GBR-47
NORTH COORDINATE: 2076861.28 FT
EAST COORDINATE: 423467.70 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| SODIUM, SOLUBLE | 03/15/89 | 0001 | UG/L | | 611000 | - | INL |
| | 06/13/89 | 0001 | | | 744400 | - | INL |
| SULFATE | 03/14/89 | 0001 | MG/L | | 1351 | - | INL |
| | 03/15/89 | 0001 | | | 1980 | - | INL |
| | 06/13/89 | 0001 | | | 1660.81 | - | INL |
| TETRACHLOROETHENE (601) | 03/15/89 | 0001 | UG/L | | 2.0 | 0.03 | INL |
| TOLUENE (602) | 03/15/89 | 0001 | UG/L | | 0.26 | 0.2 | INL |
| TOLUENE (8020) | 06/13/89 | 0001 | UG/L | | 22.5 | 0.2 | INL |
| TOTAL DISSOLVED SOLIDS | 03/14/89 | 0001 | MG/L | | 2412 | - | INL |
| | 03/15/89 | 0001 | | | 3816 | - | INL |
| | 06/13/89 | 0001 | | | 4044.96 | - | INL |
| TRICHLOROETHENE (601) | 03/15/89 | 0001 | UG/L | | 1.2 | 0.1 | INL |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G048 GBR-48
NORTH COORDINATE: 2077112.31 FT
EAST COORDINATE: 423445.93 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1,1-TRICHLOROETHANE | 03/22/90 | 0001 | UG/L | | 4.3 | 0.50 | RWS |
| | 04/26/90 | 0016 | | | 8.0 | 0.50 | RWS |
| | 05/18/90 | 0002 | | | 1.6 | 0.50 | RWS |
| 1,1,1-TRICHLOROETHANE (601) | 03/14/89 | 0001 | UG/L | | 0.69 | 0.03 | INL |
| 1,1,1-TRICHLOROETHANE (8020) | 06/13/89 | 0001 | UG/L | | 2.4 | 1.0 | INL |
| 1,1-DICHLOROETHANE | 03/22/90 | 0001 | UG/L | | 8.7 | 0.50 | RWS |
| | 04/26/90 | 0016 | | | 7.9 | 0.50 | RWS |
| | 05/18/90 | 0002 | | | 5.4 | 0.50 | RWS |
| | 08/23/90 | 0009 | | | 5.8 | 0.50 | RWS |
| 1,1-DICHLOROETHANE (8020) | 06/13/89 | 0001 | UG/L | | 5.2 | 1.0 | INL |
| 1,1-DICHLOROETHANE (601) | 03/14/89 | 0001 | UG/L | | 3.0 | 0.05 | INL |
| 1,2-CIS-DICHLOROETHENE | 04/09/90 | 0001 | UG/L | | 65.00 | 2.50 | SLD |
| ALKALINITY | 03/14/89 | 0001 | MG/L | | 396 | - | INL |
| | 06/13/89 | 0001 | | | 454.79 | - | INL |
| BENZENE (602) | 03/14/89 | 0001 | UG/L | | 0.24 | 0.2 | INL |
| BENZENE (8020) | 03/22/90 | 0001 | UG/L | | 80 | 0.50 | RWS |
| | 04/26/90 | 0016 | | | 110 | 0.50 | RWS |
| | 05/18/90 | 0002 | | | 96 | 0.50 | RWS |
| BICARBONATE | 03/14/89 | 0001 | MG/L | | 483 | - | INL |
| | 06/13/89 | 0001 | | | 554.85 | - | INL |
| | 03/22/90 | 0001 | | | 338 | 10.0 | RWS |
| | 04/26/90 | 0016 | | | 434 | 10.0 | RWS |
| | 05/18/90 | 0002 | | | 446 | 10.0 | RWS |
| | 08/23/90 | 0009 | | | 360 | 10.0 | RWS |
| BROMIDE | 03/22/90 | 0001 | MG/L | | 4.0 | 0.25 | RWS |
| | 05/18/90 | 0002 | | | 4.3 | 0.25 | RWS |
| | 08/23/90 | 0009 | | | 4.7 | 0.25 | RWS |
| CALCIUM, SOLUBLE | 03/14/89 | 0001 | UG/L | | 625000 | - | INL |
| | 06/13/89 | 0001 | | | 659940 | - | INL |
| | 03/22/90 | 0001 | | | 629000 | 25000 | RWS |
| | 04/26/90 | 0016 | | | 200000 | 5000 | RWS |
| | 05/18/90 | 0002 | | | 569000 | 5000 | RWS |
| | 08/23/90 | 0009 | | | 406000 | 5000 | RWS |
| CARBONATE | 06/13/89 | 0001 | MG/L | | 0.00 | - | INL |
| CHLORIDE | 03/14/89 | 0001 | MG/L | | 693 | - | INL |
| | 06/13/89 | 0001 | | | 1409.46 | - | INL |
| | 04/26/90 | 0016 | | | 888 | 25.0 | RWS |
| | 05/18/90 | 0002 | | | 1140 | 10.0 | RWS |
| | 08/23/90 | 0009 | | | 592 | 5.0 | RWS |
| CHLORIDE BY IC | 03/22/90 | 0001 | MG/L | | 1180 | 10.0 | RWS |
| CHLOROFORM | 03/22/90 | 0001 | UG/L | | 3.2 | 0.50 | RWS |
| | 04/09/90 | 0001 | | | 7.50 | 2.50 | SLD |
| CHLOROFORM (601) | 03/14/89 | 0001 | UG/L | | 0.5 | 0.1 | INL |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G048 GBR-48
NORTH COORDINATE: 2077112.31 FT
EAST COORDINATE: 423445.93 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| CHROMIUM, SOLUBLE | 08/23/90 | 0009 | UG/L | | 40.6 | 10.0 | RWS |
| COBALT, SOLUBLE | 03/22/90 | 0001 | UG/L | | 88.4 | 50.0 | RWS |
| | 05/18/90 | 0002 | | | 87.7 | 50.0 | RWS |
| | 08/23/90 | 0009 | | | 110 | 50.0 | RWS |
| COPPER, SOLUBLE | 04/26/90 | 0016 | UG/L | | 90.6 | 25.0 | RWS |
| DICHLORODIFLUOROMETHANE | 04/26/90 | 0016 | UG/L | | 9.9 | 0.50 | RWS |
| | 05/18/90 | 0002 | | | 10 | 0.50 | RWS |
| DICHLOROMETHANE-METHYLENE CHLORIDE | 05/18/90 | 0002 | UG/L | | 2.5 | 0.50 | RWS |
| | 08/23/90 | 0009 | | | 1.8 | 0.50 | RWS |
| DICHLOROMETHANE-METHYLENE CL (601) | 03/14/89 | 0001 | UG/L | | 0.6 | 0.1 | INL |
| HARDNESS | 03/14/89 | 0001 | MG/L | | 1732 | - | INL |
| | 06/13/89 | 0001 | | | 2065.46 | - | INL |
| IRON, SOLUBLE | 08/23/90 | 0009 | UG/L | | 23900 | 100 | RWS |
| LAB CONDUCTIVITY | 06/13/89 | 0001 | UMHOS/CM | | 8010 | - | INL |
| MAGNESIUM, SOLUBLE | 03/14/89 | 0001 | UG/L | | 42000 | - | INL |
| | 06/13/89 | 0001 | | | 101880 | - | INL |
| | 03/22/90 | 0001 | | | 60200 | 5000 | RWS |
| | 04/26/90 | 0016 | | | 20700 | 5000 | RWS |
| | 05/18/90 | 0002 | | | 63100 | 5000 | RWS |
| | 08/23/90 | 0009 | | | 47500 | 5000 | RWS |
| MANGANESE, SOLUBLE | 03/22/90 | 0001 | UG/L | | 2040 | 15.0 | RWS |
| | 04/26/90 | 0016 | | | 275 | 15.0 | RWS |
| | 05/18/90 | 0002 | | | 2120 | 15.0 | RWS |
| | 08/23/90 | 0009 | | | 1810 | 15.0 | RWS |
| MERCURY, SOLUBLE | 03/22/90 | 0001 | UG/L | | 10 | 0.40 | RWS |
| NICKEL, SOLUBLE | 03/22/90 | 0001 | UG/L | | 218 | 40.0 | RWS |
| | 04/26/90 | 0016 | | | 71.6 | 40.0 | RWS |
| | 05/18/90 | 0002 | | | 210 | 40.0 | RWS |
| | 08/23/90 | 0009 | | | 3580 | 40.0 | RWS |
| NITRATE NITRITE | 03/14/89 | 0001 | MG/L | | 6.20 | - | INL |
| | 03/22/90 | 0001 | | | 1.9 | 0.10 | RWS |
| | 04/26/90 | 0016 | | | 1.2 | 0.20 | RWS |
| | 05/18/90 | 0002 | | | 6.3 | 0.050 | RWS |
| | 08/23/90 | 0009 | | | 5.9 | 0.10 | RWS |
| PH | 06/13/89 | 0001 | S.U. | | 6.84 | - | INL |
| POTASSIUM, SOLUBLE | 03/14/89 | 0001 | UG/L | | 3000 | - | INL |
| | 06/13/89 | 0001 | | | 4900 | - | INL |
| | 03/22/90 | 0001 | | | 6310 | 5000 | RWS |
| | 08/23/90 | 0009 | | | 6230 | 5000 | RWS |
| SELENIUM, SOLUBLE | 03/22/90 | 0001 | UG/L | | 47.6 | 20.0 | RWS |
| | 04/26/90 | 0016 | | | 9.1 | 5.0 | RWS |
| | 05/18/90 | 0002 | | | 61.5 | 25.0 | RWS |
| | 08/23/90 | 0009 | | | 23.1 | 5.0 | RWS |
| SODIUM, SOLUBLE | 03/14/89 | 0001 | UG/L | | 770000 | - | INL |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G048 GBR-48
NORTH COORDINATE: 2077112.31 FT
EAST COORDINATE: 423445.93 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| SODIUM, SOLUBLE | 06/13/89 | 0001 | UG/L | | 1176000 | - | INL |
| | 03/22/90 | 0001 | | | 1060000 | 25000 | RWS |
| | 04/26/90 | 0016 | | | 386000 | 5000 | RWS |
| | 05/18/90 | 0002 | | | 1060000 | 50000 | RWS |
| | 08/23/90 | 0009 | | | 848000 | 50000 | RWS |
| STRONTIUM, SOLUBLE | 03/22/90 | 0001 | UG/L | | 11400 | 1000 | RWS |
| | 04/26/90 | 0016 | | | 3800 | 1000 | RWS |
| | 05/18/90 | 0002 | | | 10400 | 1000 | RWS |
| | 08/23/90 | 0009 | | | 8210 | 1000 | RWS |
| SULFATE | 03/14/89 | 0001 | MG/L | | 1960 | - | INL |
| | 06/13/89 | 0001 | | | 2055.85 | - | INL |
| | 03/22/90 | 0001 | | | 1800 | 10.0 | RWS |
| | 04/26/90 | 0016 | | | 1690 | 5.0 | RWS |
| | 05/18/90 | 0002 | | | 2000 | 10.0 | RWS |
| | 08/23/90 | 0009 | | | 1840 | 5.0 | RWS |
| SULFIDE | 04/26/90 | 0016 | MG/L | | 12.2 | 10.0 | RWS |
| | 08/23/90 | 0009 | | | 4.3 | 2.0 | RWS |
| TETRACHLOROETHENE | 03/22/90 | 0001 | UG/L | | 17 | 0.50 | RWS |
| | 04/09/90 | 0001 | | | 11.30 | 2.50 | SLD |
| | 04/26/90 | 0016 | | | 16 | 0.50 | RWS |
| | 05/18/90 | 0002 | | | 14 | 0.50 | RWS |
| | 08/23/90 | 0009 | | | 14 | 0.50 | RWS |
| TETRACHLOROETHENE (601) | 03/14/89 | 0001 | UG/L | | 7.4 | 0.03 | INL |
| TETRACHLOROETHENE (8020) | 06/13/89 | 0001 | UG/L | | 26.1 | 1.0 | INL |
| TOLUENE (602) | 03/14/89 | 0001 | UG/L | | 0.23 | 0.2 | INL |
| TOTAL DISSOLVED SOLIDS | 03/14/89 | 0001 | MG/L | | 4329 | - | INL |
| | 06/13/89 | 0001 | | | 5677.67 | - | INL |
| | 03/22/90 | 0001 | | | 5070 | 33.3 | RWS |
| | 04/26/90 | 0016 | | | 4650 | 33.3 | RWS |
| | 05/18/90 | 0002 | | | 4750 | 33.3 | RWS |
| | 08/23/90 | 0009 | | | 4630 | 50.0 | RWS |
| TRICHLOROETHENE | 03/22/90 | 0001 | UG/L | | 15 | 0.50 | RWS |
| | 04/09/90 | 0001 | | | 20.80 | 2.50 | SLD |
| | 04/26/90 | 0016 | | | 19 | 0.50 | RWS |
| | 05/18/90 | 0002 | | | 13 | 0.50 | RWS |
| | 08/23/90 | 0009 | | | 12 | 0.50 | RWS |
| TRICHLOROETHENE (601) | 03/14/89 | 0001 | UG/L | | 5.4 | 0.1 | INL |
| TRICHLOROETHENE (8020) | 06/13/89 | 0001 | UG/L | | 14.7 | 1.0 | INL |
| VINYL CHLORIDE | 03/22/90 | 0001 | UG/L | | 3.6 | 0.50 | RWS |
| ZINC, SOLUBLE | 03/22/90 | 0001 | UG/L | | 30.8 | 20.0 | RWS |
| | 04/26/90 | 0016 | | | 462 | 20.0 | RWS |
| | 08/23/90 | 0009 | | | 50.6 | 20.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G049 GBR-49
NORTH COORDINATE: 2076861.24 FT
EAST COORDINATE: 423467.25 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1,1-TRICHLOROETHANE (601) | 03/14/89 | 0001 | UG/L | | 3.5 | 0.03 | INL |
| 1,1-DICHLOROETHANE | 03/22/90 | 0003 | UG/L | | 0.53 | 0.50 | RWS |
| | 04/09/90 | 0001 | | | 1.20 | 1.00 | SLD |
| | 05/18/90 | 0004 | | | 1.4 | 0.50 | RWS |
| | 08/23/90 | 0010 | | | 0.82 | 0.50 | RWS |
| | 08/23/90 | 0011 | | | 1.5 | 0.50 | RWS |
| 1,1-DICHLOROETHANE (601) | 03/14/89 | 0001 | UG/L | | 10.4 | 0.05 | INL |
| 1,2-CIS-DICHLOROETHENE | 04/09/90 | 0001 | UG/L | | 86.70 | 1.00 | SLD |
| 1,2-DICHLOROETHANE (601) | 03/14/89 | 0001 | UG/L | | 0.07 | 0.03 | INL |
| 1,2-TRANS-DICHLOROETHENE | 12/10/89 | 0001 | UG/L | | 150 | 0.20 | RDC |
| 1,2-TRANS-DICHLOROETHENE (601) | 03/14/89 | 0001 | UG/L | | 0.3 | 0.1 | INL |
| ACIDITY | 12/11/89 | 0001 | MG/L | | 0.00 | - | INL |
| ALKALINITY | 03/14/89 | 0001 | MG/L | | 482 | - | INL |
| | 12/11/89 | 0001 | | | 356.40 | - | INL |
| BENZENE (602) | 03/14/89 | 0001 | UG/L | | 0.63 | 0.2 | INL |
| BENZENE (8020) | 12/10/89 | 0001 | UG/L | | 74 | 0.20 | RDC |
| | 03/22/90 | 0003 | | | 45 | 0.50 | RWS |
| | 05/18/90 | 0004 | | | 64 | 0.50 | RWS |
| BICARBONATE | 03/14/89 | 0001 | MG/L | | 587 | - | INL |
| | 12/11/89 | 0001 | | | 434.81 | - | INL |
| | 03/22/90 | 0003 | | | 338 | 10.0 | RWS |
| | 04/26/90 | 0018 | | | 350 | 10.0 | RWS |
| | 05/18/90 | 0004 | | | 342 | 10.0 | RWS |
| | 08/23/90 | 0010 | | | 322 | 10.0 | RWS |
| BROMIDE | 03/22/90 | 0003 | MG/L | | 1.5 | 0.25 | RWS |
| | 05/18/90 | 0004 | | | 1.4 | 0.25 | RWS |
| | 08/23/90 | 0010 | | | 0.68 | 0.25 | RWS |
| CALCIUM, SOLUBLE | 03/14/89 | 0001 | UG/L | | 733000 | - | INL |
| | 12/11/89 | 0001 | | | 507430 | - | INL |
| | 03/22/90 | 0003 | | | 266000 | 5000 | RWS |
| | 04/26/90 | 0018 | | | 253000 | 5000 | RWS |
| | 05/18/90 | 0004 | | | 274000 | 5000 | RWS |
| | 08/23/90 | 0010 | | | 274000 | 5000 | RWS |
| CARBONATE | 12/11/89 | 0001 | MG/L | | 0.00 | - | INL |
| CHLORIDE | 03/14/89 | 0001 | MG/L | | 1524 | - | INL |
| | 12/11/89 | 0001 | | | 385.41 | - | INL |
| | 04/26/90 | 0018 | | | 236 | 5.0 | RWS |
| | 05/18/90 | 0004 | | | 258 | 5.0 | RWS |
| | 08/23/90 | 0010 | | | 286 | 0.50 | RWS |
| CHLORIDE BY IC | 03/22/90 | 0003 | MG/L | | 219 | 5.0 | RWS |
| CHLOROFORM (601) | 03/14/89 | 0001 | UG/L | | 1.0 | 0.1 | INL |
| COBALT, SOLUBLE | 03/22/90 | 0003 | UG/L | | 104 | 50.0 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G049 GBR-49
NORTH COORDINATE: 2076861.24 FT
EAST COORDINATE: 423467.25 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| COBALT, SOLUBLE | 04/26/90 | 0018 | UG/L | | 91.6 | 50.0 | RWS |
| | 05/18/90 | 0004 | | | 91.0 | 50.0 | RWS |
| | 08/23/90 | 0010 | | | 54.8 | 50.0 | RWS |
| DICHLOROMETHANE-METHYLENE CHLORIDE | 05/18/90 | 0004 | UG/L | | 1.7 | 0.50 | RWS |
| | 08/23/90 | 0010 | | | 0.68 | 0.50 | RWS |
| | 08/23/90 | 0011 | | | 0.88 | 0.50 | RWS |
| DICHLOROMETHANE-METHYLENE CL (601) | 03/14/89 | 0001 | UG/L | | 2.5 | 0.1 | INL |
| ETHYLBENZENE (8020) | 08/23/90 | 0010 | UG/L | | 0.65 | 0.50 | RWS |
| HARDNESS | 03/14/89 | 0001 | MG/L | | 2171 | - | INL |
| | 12/11/89 | 0001 | | | 1098.91 | - | INL |
| IRON, SOLUBLE | 03/22/90 | 0003 | UG/L | | 331 | 100 | RWS |
| | 04/26/90 | 0018 | | | 183 | 100 | RWS |
| | 08/23/90 | 0010 | | | 210 | 100 | RWS |
| LAB CONDUCTIVITY | 12/11/89 | 0001 | UMHOS/CM | | 4227 | - | INL |
| M,P-XYLENE (602) | 03/14/89 | 0001 | UG/L | | 0.28 | 0.2 | INL |
| MAGNESIUM, SOLUBLE | 03/14/89 | 0001 | UG/L | | 83000 | - | INL |
| | 12/11/89 | 0001 | | | -40640 | - | INL |
| | 03/22/90 | 0003 | | | 20700 | 5000 | RWS |
| | 04/26/90 | 0018 | | | 19700 | 5000 | RWS |
| | 05/18/90 | 0004 | | | 22700 | 5000 | RWS |
| | 08/23/90 | 0010 | | | 24200 | 5000 | RWS |
| MANGANESE, SOLUBLE | 03/22/90 | 0003 | UG/L | | 884 | 15.0 | RWS |
| | 04/26/90 | 0018 | | | 643 | 15.0 | RWS |
| | 05/18/90 | 0004 | | | 1160 | 15.0 | RWS |
| | 08/23/90 | 0010 | | | 1640 | 15.0 | RWS |
| NICKEL, SOLUBLE | 03/22/90 | 0003 | UG/L | | 428 | 40.0 | RWS |
| | 04/26/90 | 0018 | | | 185 | 40.0 | RWS |
| | 05/18/90 | 0004 | | | 349 | 40.0 | RWS |
| | 08/23/90 | 0010 | | | 510 | 40.0 | RWS |
| NITRATE NITRITE | 03/14/89 | 0001 | MG/L | | 7.12 | - | INL |
| | 03/22/90 | 0003 | | | 1.6 | 0.10 | RWS |
| | 04/26/90 | 0018 | | | 0.77 | 0.20 | RWS |
| | 05/18/90 | 0004 | | | 1.5 | 0.050 | RWS |
| | 08/23/90 | 0010 | | | 0.80 | 0.10 | RWS |
| PH | 12/11/89 | 0001 | S.U. | | 7.33 | - | INL |
| POTASSIUM, SOLUBLE | 03/14/89 | 0001 | UG/L | | 7000 | - | INL |
| | 12/11/89 | 0001 | | | 1800 | - | INL |
| SELENIUM, SOLUBLE | 05/18/90 | 0004 | UG/L | | 7.4 | 5.0 | RWS |
| SODIUM, SOLUBLE | 03/14/89 | 0001 | UG/L | | 1199000 | - | INL |
| | 12/11/89 | 0001 | | | 643500 | - | INL |
| | 03/22/90 | 0003 | | | 630000 | 25000 | RWS |
| | 04/26/90 | 0018 | | | 605000 | 25000 | RWS |
| | 05/18/90 | 0004 | | | 606000 | 50000 | RWS |
| | 08/23/90 | 0010 | | | 616000 | 50000 | RWS |
| STRONTIUM, SOLUBLE | 03/22/90 | 0003 | UG/L | | 5250 | 1000 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G049 GBR-49
NORTH COORDINATE: 2076861.24 FT
EAST COORDINATE: 423467.25 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| STRONTIUM, SOLUBLE | 04/26/90 | 0018 | UG/L | | 4560 | 1000 | RWS |
| | 05/18/90 | 0004 | | | 4710 | 1000 | RWS |
| | 08/23/90 | 0010 | | | 5040 | 1000 | RWS |
| SULFATE | 03/14/89 | 0001 | MG/L | | 2077 | - | INL |
| | 12/11/89 | 0001 | | | 1554.65 | - | INL |
| | 03/22/90 | 0003 | | | 1180 | 10.0 | RWS |
| | 04/26/90 | 0018 | | | 1160 | 5.0 | RWS |
| | 05/18/90 | 0004 | | | 1310 | 5.0 | RWS |
| | 08/23/90 | 0010 | | | 1530 | 5.0 | RWS |
| TETRACHLOROETHENE | 12/10/89 | 0001 | UG/L | | 25 | 0.10 | RDC |
| | 03/22/90 | 0003 | | | 9.3 | 0.50 | RWS |
| | 04/09/90 | 0001 | | | 11.90 | 1.00 | SLD |
| | 05/18/90 | 0004 | | | 11 | 0.50 | RWS |
| | 08/23/90 | 0010 | | | 9.8 | 0.50 | RWS |
| | 08/23/90 | 0011 | | | 8.9 | 0.50 | RWS |
| TETRACHLOROETHENE (601) | 03/14/89 | 0001 | UG/L | | 25.3 | 0.03 | INL |
| TETRACHLOROETHENE (8020) | 06/14/89 | 0001 | UG/L | | 4.2 | 1.0 | INL |
| TOLUENE (8020) | 03/22/90 | 0003 | UG/L | | 0.80 | 0.50 | RWS |
| TOTAL DISSOLVED SOLIDS | 03/14/89 | 0001 | MG/L | | 5911 | - | INL |
| | 12/11/89 | 0001 | | | 3266 | - | INL |
| | 03/22/90 | 0003 | | | 2690 | 33.3 | RWS |
| | 04/26/90 | 0018 | | | 2720 | 33.3 | RWS |
| | 05/18/90 | 0004 | | | 2860 | 33.3 | RWS |
| | 08/23/90 | 0010 | | | 2980 | 50.0 | RWS |
| TOTAL XYLENES (8020) | 03/22/90 | 0003 | UG/L | | 1.6 | 0.50 | RWS |
| | 08/23/90 | 0010 | | | 1.0 | 0.50 | RWS |
| TRICHLOROETHENE | 12/10/89 | 0001 | UG/L | | 14 | 0.20 | RDC |
| | 03/22/90 | 0003 | | | 7.5 | 0.50 | RWS |
| | 04/09/90 | 0001 | | | 7.20 | 1.00 | SLD |
| | 05/18/90 | 0004 | | | 6.9 | 0.50 | RWS |
| | 08/23/90 | 0010 | | | 6.0 | 0.50 | RWS |
| | 08/23/90 | 0011 | | | 6.8 | 0.50 | RWS |
| TRICHLOROETHENE (601) | 03/14/89 | 0001 | UG/L | | 24.9 | 0.1 | INL |
| TRICHLOROETHENE (8020) | 06/14/89 | 0001 | UG/L | | 2.7 | 1.0 | INL |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G050 GBR-50
NORTH COORDINATE: 2077212.01 FT
EAST COORDINATE: 423372.38 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| BENZENE (8020) | 03/22/90 | 0005 | UG/L | | 0.66 | 0.50 | RWS |
| BICARBONATE | 03/22/90 | 0005 | MG/L | | 194 | 10.0 | RWS |
| | 04/26/90 | 0015 | | | 200 | 10.0 | RWS |
| | 05/18/90 | 0001 | | | 204 | 10.0 | RWS |
| | 08/23/90 | 0012 | | | 212 | 10.0 | RWS |
| BROMIDE | 03/22/90 | 0005 | MG/L | | 1.1 | 0.25 | RWS |
| | 05/18/90 | 0001 | | | 0.26 | 0.25 | RWS |
| | 08/23/90 | 0012 | | | 0.25 | 0.25 | RWS |
| CALCIUM, SOLUBLE | 03/22/90 | 0005 | UG/L | | 306000 | 5000 | RWS |
| | 04/26/90 | 0015 | | | 306000 | 5000 | RWS |
| | 05/18/90 | 0001 | | | 344000 | 5000 | RWS |
| | 08/23/90 | 0012 | | | 298000 | 5000 | RWS |
| CHLORIDE | 04/26/90 | 0015 | MG/L | | 87.9 | 5.0 | RWS |
| | 05/18/90 | 0001 | | | 87.8 | 0.50 | RWS |
| | 08/23/90 | 0012 | | | 74.1 | 0.50 | RWS |
| CHLORIDE BY IC | 03/22/90 | 0005 | MG/L | | 86.0 | 0.50 | RWS |
| MAGNESIUM, SOLUBLE | 03/22/90 | 0005 | UG/L | | 25300 | 5000 | RWS |
| | 04/26/90 | 0015 | | | 26100 | 5000 | RWS |
| | 05/18/90 | 0001 | | | 28400 | 5000 | RWS |
| | 08/23/90 | 0012 | | | 25300 | 5000 | RWS |
| MANGANESE, SOLUBLE | 03/22/90 | 0005 | UG/L | | 1450 | 15.0 | RWS |
| | 04/26/90 | 0015 | | | 2420 | 15.0 | RWS |
| | 05/18/90 | 0001 | | | 1320 | 15.0 | RWS |
| | 08/23/90 | 0012 | | | 1410 | 15.0 | RWS |
| NITRATE NITRITE | 03/22/90 | 0005 | MG/L | | 1.5 | 0.10 | RWS |
| | 04/26/90 | 0015 | | | 1.5 | 0.20 | RWS |
| | 05/18/90 | 0001 | | | 7.3 | 0.050 | RWS |
| | 08/23/90 | 0012 | | | 2.6 | 0.10 | RWS |
| POTASSIUM, SOLUBLE | 08/23/90 | 0012 | UG/L | | 5040 | 5000 | RWS |
| SELENIUM, SOLUBLE | 05/18/90 | 0001 | UG/L | | 5.1 | 5.0 | RWS |
| SODIUM, SOLUBLE | 03/22/90 | 0005 | UG/L | | 382000 | 5000 | RWS |
| | 04/26/90 | 0015 | | | 364000 | 5000 | RWS |
| | 05/18/90 | 0001 | | | 382000 | 5000 | RWS |
| | 08/23/90 | 0012 | | | 345000 | 5000 | RWS |
| STRONTIUM, SOLUBLE | 03/22/90 | 0005 | UG/L | | 5630 | 1000 | RWS |
| | 04/26/90 | 0015 | | | 5390 | 1000 | RWS |
| | 05/18/90 | 0001 | | | 5630 | 1000 | RWS |
| | 08/23/90 | 0012 | | | 5250 | 1000 | RWS |
| SULFATE | 03/22/90 | 0005 | MG/L | | 1340 | 10.0 | RWS |
| | 04/26/90 | 0015 | | | 1430 | 5.0 | RWS |
| | 05/18/90 | 0001 | | | 1320 | 5.0 | RWS |
| | 08/23/90 | 0012 | | | 1480 | 5.0 | RWS |
| TOLUENE (8020) | 03/22/90 | 0005 | UG/L | | 0.90 | 0.50 | RWS |
| TOTAL DISSOLVED SOLIDS | 03/22/90 | 0005 | MG/L | | 2260 | 33.3 | RWS |
| | 04/26/90 | 0015 | | | 2540 | 33.3 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G050 GBR-50
NORTH COORDINATE: 2077212.01 FT
EAST COORDINATE: 423372.38 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: SHALLOW ALLUVIAL AQUIFER (SA)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| TOTAL DISSOLVED SOLIDS | 05/18/90 | 0001 | MG/L | | 2350 | 33.3 | RWS |
| | 08/23/90 | 0012 | | | 2430 | 50.0 | RWS |
| TOTAL XYLENES (8020) | 03/22/90 | 0005 | UG/L | | 1.0 | 0.50 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G051 GBR-51
NORTH COORDINATE: 2075217.62 FT
EAST COORDINATE: 423579.42 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1,1-TRICHLOROETHANE | 06/12/89 | 0001 | UG/L | | 1.3 | 1.0 | INL |
| 1,1-DICHLOROETHANE | 06/12/89 | 0001 | UG/L | | 3.3 | 1.0 | INL |
| ALKALINITY | 06/12/89 | 0001 | MG/L | | 249.75 | - | INL |
| BICARBONATE | 06/12/89 | 0001 | MG/L | | 304.69 | - | INL |
| CALCIUM, SOLUBLE | 06/12/89 | 0001 | UG/L | | 200850 | - | INL |
| CARBONATE | 06/12/89 | 0001 | MG/L | | 0.00 | - | INL |
| CHLORIDE | 06/12/89 | 0001 | MG/L | | 137.71 | - | INL |
| HARDNESS | 06/12/89 | 0001 | MG/L | | 1094.94 | - | INL |
| LAB CONDUCTIVITY | 06/12/89 | 0001 | UMHOS/CM | | 3040 | - | INL |
| M,P-XYLENE (8020) | 06/12/89 | 0001 | UG/L | | 1.4 | 0.2 | INL |
| MAGNESIUM, SOLUBLE | 06/12/89 | 0001 | UG/L | | 144420 | - | INL |
| PH | 06/12/89 | 0001 | S.U. | | 7.44 | - | INL |
| POTASSIUM, SOLUBLE | 06/12/89 | 0001 | UG/L | | 960 | - | INL |
| SODIUM, SOLUBLE | 06/12/89 | 0001 | UG/L | | 346800 | - | INL |
| SULFATE | 06/12/89 | 0001 | MG/L | | 1361.65 | - | INL |
| TOTAL DISSOLVED SOLIDS | 06/12/89 | 0001 | MG/L | | 2340.46 | - | INL |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G052 GBR-52
NORTH COORDINATE: 2075220.49 FT
EAST COORDINATE: 423490.56 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ALKALINITY | 06/12/89 | 0001 | MG/L | | 183.15 | - | INL |
| BENZENE (8020) | 06/12/89 | 0001 | UG/L | | 7.6 | 0.2 | INL |
| BICARBONATE | 06/12/89 | 0001 | MG/L | | 223.44 | - | INL |
| CALCIUM, SOLUBLE | 06/12/89 | 0001 | UG/L | | 233640 | - | INL |
| CARBONATE | 06/12/89 | 0001 | MG/L | | 0.00 | - | INL |
| CHLORIDE | 06/12/89 | 0001 | MG/L | | 113.40 | - | INL |
| HARDNESS | 06/12/89 | 0001 | MG/L | | 1393.56 | - | INL |
| LAB CONDUCTIVITY | 06/12/89 | 0001 | UMHOS/CM | | 3200 | - | INL |
| MAGNESIUM, SOLUBLE | 06/12/89 | 0001 | UG/L | | 197140 | - | INL |
| PH | 06/12/89 | 0001 | S.U. | | 7.24 | - | INL |
| POTASSIUM, SOLUBLE | 06/12/89 | 0001 | UG/L | | 1600 | - | INL |
| SODIUM, SOLUBLE | 06/12/89 | 0001 | UG/L | | 317200 | - | INL |
| SULFATE | 06/12/89 | 0001 | MG/L | | 1662.05 | - | INL |
| TETRACHLOROETHENE (8020) | 06/12/89 | 0001 | UG/L | | 1.3 | 1.0 | INL |
| TOTAL DISSOLVED SOLIDS | 06/12/89 | 0001 | MG/L | | 2633.63 | - | INL |
| TRICHLOROFLUOROMETHANE (601) | 09/07/89 | 0001 | UG/L | | 110 | 0.10 | INL |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: G124 GBR-24D (DEEP)
NORTH COORDINATE: 2076033.31 FT
EAST COORDINATE: 423733.87 FT
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 3 (3)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,2-DICHLOROETHANE | 04/03/90 | 0001 | UG/L | | 13 | 0.10 | RDC |
| BENZENE (8020) | 04/03/90 | 0001 | UG/L | | 31 | 0.20 | RDC |
| ETHYLBENZENE (8020) | 04/03/90 | 0001 | UG/L | | 13 | 0.20 | RDC |
| TOLUENE (8020) | 04/03/90 | 0001 | UG/L | | 2.3 | 0.20 | RDC |
| TOTAL XYLENES (8020) | 04/03/90 | 0001 | UG/L | | 6.7 | 0.20 | RDC |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: S001 SHS-01/GS1/S01
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 4 (4)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| 1,1-DICHLOROETHANE (601) | 09/06/89 | 0004 | UG/L | | 2.90 | 0.50 | RWS |
| 1,2-DICHLOROBENZENE (601) | 09/06/89 | 0004 | UG/L | | 1.20 | 0.50 | RWS |
| 1,2-DICHLOROETHANE | 12/12/89<br>12/12/89 | 0001<br>0006 | UG/L | | 7.1<br>5.4 | 0.50<br>0.50 | RDC<br>RWS |
| 1,2-DICHLOROETHANE (601) | 09/06/89 | 0004 | UG/L | | 6.70 | 0.50 | RWS |
| 1,2-TRANS-DICHLOROETHENE | 12/12/89 | 0001 | UG/L | | 21 | 1.0 | RDC |
| 1,3-DICHLOROBENZENE (602) | 12/12/89 | 0006 | UG/L | B | 440 | 12 | RWS |
| 1,3-DICHLOROBENZENE (8020) | 12/12/89 | 0006 | UG/L | B | 440 | 12 | RWS |
| 2-METHYLNAPHTHALENE (625H) | 12/12/89 | 0006 | UG/L | | 25 | 10 | RWS |
| ACIDITY | 09/07/89 | 0001 | MG/L | | 0.00 | - | INL |
| ALKALINITY | 09/07/89 | 0001 | MG/L | | 807.34 | - | INL |
| ALUMINUM, TOTAL | 12/12/89 | 0001 | UG/L | | 238 | 200 | RWS |
| ARSENIC, SOLUBLE | 12/12/89 | 0001 | UG/L | | 24. | 2.0 | RDC |
| BARIUM, SOLUBLE | 09/07/89<br>12/12/89 | 0001<br>0001 | UG/L | | 270<br>240 | 2.<br>10. | RDC<br>RDC |
| BENZENE (602) | 12/12/89 | 0006 | UG/L | | 100 | 12 | RWS |
| BENZENE (8020) | 12/12/89 | 0006 | UG/L | | 100 | 12 | RWS |
| BERYLLIUM, SOLUBLE | 12/12/89 | 0001 | UG/L | | 240 | 10. | RDC |
| BETA-BHC | 12/12/89 | 0006 | UG/L | | 0.05 | 0.05 | RWS |
| BICARBONATE | 09/06/89<br>09/07/89<br>12/12/89 | 0004<br>0001<br>0001 | MG/L | | 898<br>984.95<br>815 | 10.0<br>-<br>10.0 | RWS<br>INL<br>RWS |
| BROMIDE | 09/06/89<br>12/12/89<br>01/10/90 | 0004<br>0001<br>0004 | MG/L | | 4.5<br>4.4<br>3.4 | 0.25<br>0.50<br>0.50 | RWS<br>RWS<br>RWS |
| CALCIUM, SOLUBLE | 09/06/89<br>09/07/89<br>12/12/89<br>01/10/90 | 0004<br>0001<br>0007<br>0004 | UG/L | | 430000<br>289500<br>375000<br>376000 | 10000<br>-<br>5000<br>5000 | RWS<br>INL<br>RWS<br>RWS |
| CALCIUM, TOTAL | 12/12/89 | 0001 | UG/L | | 382000 | 5000 | RWS |
| CARBONATE | 09/07/89 | 0001 | MG/L | | 0.00 | - | INL |
| CHLORIDE | 09/07/89 | 0001 | MG/L | | 683.92 | - | INL |
| CHLORIDE BY IC | 09/06/89<br>12/12/89<br>01/10/90 | 0004<br>0001<br>0004 | MG/L | | 687<br>783<br>30.7 | 0.50<br>100<br>1.0 | RWS<br>RWS<br>RWS |
| CHLOROETHANE (601) | 09/06/89 | 0004 | UG/L | | 1.50 | 0.50 | RWS |

GROUNDWATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: S001 SHS-01/GS1/S01
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
12/15/87 TO 09/18/90
REPORT DATE: 11/12/90

FORMATION OF COMPLETION: NOT REPORTED (NR)
HYDRAULIC FLOW RELATIONSHIP: SUBAREA 4 (4)

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| CHLOROFORM | 12/12/89 | 0001 | UG/L | | 5.7 | 0.50 | RDC |
| | 12/12/89 | 0006 | | | 16 | 0.50 | RWS |
| CHLOROFORM (601) | 09/06/89 | 0004 | UG/L | | 21.0 | 0.50 | RWS |
| CHROMIUM, SOLUBLE | 01/10/90 | 0004 | UG/L | | 66.1 | 10.0 | RWS |
| COPPER, SOLUBLE | 01/10/90 | 0004 | UG/L | | 40.6 | 25.0 | RWS |
| DICHLOROMETHANE-METHYLENE CL (601) | 09/06/89 | 0004 | UG/L | | 0.90 | 0.50 | RWS |
| ETHYLBENZENE (602) | 12/12/89 | 0006 | UG/L | B | 160 | 12 | RWS |
| ETHYLBENZENE (8020) | 12/12/89 | 0006 | UG/L | B | 160 | 12 | RWS |
| FLUORENE (625H) | 12/12/89 | 0006 | UG/L | | 16 | 10 | RWS |
| HARDNESS | 09/07/89 | 0001 | MG/L | | 1172.60 | - | INL |
| IRON, SOLUBLE | 09/06/89 | 0004 | UG/L | | 1710 | 100 | RWS |
| | 12/12/89 | 0007 | | | 1880 | 100 | RWS |
| | 01/10/90 | 0004 | | | 179 | 100 | RWS |
| IRON, TOTAL | 12/12/89 | 0001 | UG/L | | 10400 | 100 | RWS |
| LAB CONDUCTIVITY | 09/07/89 | 0001 | UMHOS/CM | | 5043 | - | INL |
| LEAD, SOLUBLE | 12/12/89 | 0001 | UG/L | | 30. | 2.0 | RDC |
| LEAD, TOTAL | 12/12/89 | 0001 | UG/L | | 10.0 | 5.0 | RWS |
| MAGNESIUM, SOLUBLE | 09/06/89 | 0004 | UG/L | | 41400 | 5000 | RWS |
| | 09/07/89 | 0001 | | | 109510 | - | INL |
| | 12/12/89 | 0007 | | | 43100 | 5000 | RWS |
| MAGNESIUM, TOTAL | 12/12/89 | 0001 | UG/L | | 43700 | 5000 | RWS |
| MANGANESE, SOLUBLE | 09/06/89 | 0004 | UG/L | | 2360 | 15.0 | RWS |
| | 12/12/89 | 0007 | | | 3660 | 15.0 | RWS |
| MANGANESE, TOTAL | 12/12/89 | 0001 | UG/L | | 3170 | 15.0 | RWS |
| MERCURY, SOLUBLE | 01/10/90 | 0004 | UG/L | | 0.25 | 0.20 | RWS |
| MERCURY, TOTAL | 12/12/89 | 0001 | UG/L | | 0.52 | 0.20 | RWS |
| NAPTHALENE (625H) | 12/12/89 | 0006 | UG/L | | 21 | 10 | RWS |
| NICKEL, SOLUBLE | 09/06/89 | 0004 | UG/L | | 142 | 40.0 | RWS |
| | 12/12/89 | 0007 | | | 160 | 40.0 | RWS |
| NICKEL, TOTAL | 12/12/89 | 0001 | UG/L | | 162 | 40.0 | RWS |
| NITRATE NITRITE | 09/06/89 | 0004 | MG/L | | 2.3 | 0.20 | RWS |
| PH | 09/07/89 | 0001 | S.U. | | 7.14 | - | INL |
| PHENANTHRENE (625H) | 12/12/89 | 0006 | UG/L | | 20 | 10 | RWS |
| POTASSIUM, SOLUBLE | 09/07/89 | 0001 | UG/L | | 2580 | - | INL |

SOIL CHEMISTRY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: B061 BLM-61
NORTH COORDINATE: 2076990.54 FT
EAST COORDINATE: 423472.98 FT
01/17/89 TO 03/21/90
REPORT DATE: 08/28/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | DEPTH RANGE (FT) | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|---|
| % SOLIDS | 02/27/90 | 0001 | 14 - 15 | % | | 96.5 | 10.0 | RWS |
| | 02/27/90 | 0002 | 23 - 24 | | | 83.5 | 10.0 | RWS |
| | 02/27/90 | 0003 | 39 - 40 | | | 85.4 | 10.0 | RWS |
| CHLORIDE BY IC | 02/27/90 | 0003 | 39 - 40 | MG/KG | | 102 | 5.9 | RWS |
| SULFATE | 02/27/90 | 0001 | 14 - 15 | MG/KG | | 7.7 | 5.2 | RWS |
| | 02/27/90 | 0002 | 23 - 24 | | | 56.2 | 6.0 | RWS |
| | 02/27/90 | 0003 | 39 - 40 | | | 263 | 5.9 | RWS |
| SULFIDE | 02/27/90 | 0003 | 39 - 40 | MG/KG | | 24.2 | 10.0 | RWS |

SOIL CHEMISTRY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: B063 BLM-63
NORTH COORDINATE: 2077086.74 FT
EAST COORDINATE: 423520.20 FT
01/17/89 TO 03/21/90
REPORT DATE: 08/28/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | DEPTH RANGE (FT) | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|---|
| % SOLIDS | 03/02/90 | 0001 | 14 - 15 | % | | 87.9 | 10.0 | RWS |
| | 03/02/90 | 0002 | 14 - 15 | | | 89.3 | 10.0 | RWS |
| SULFATE | 03/02/90 | 0001 | 14 - 15 | MG/KG | | 321 | 5.7 | RWS |
| | 03/02/90 | 0002 | 14 - 15 | | | 325 | 5.7 | RWS |

SOIL CHEMISTRY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: B064 BLM-64
NORTH COORDINATE: 2076923.20 FT
EAST COORDINATE: 423546.11 FT
01/17/89 TO 03/21/90
REPORT DATE: 08/28/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | DEPTH RANGE (FT) | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|---|
| % SOLIDS | 03/07/90 | 0002 | 12 - 13 | % | | 90.4 | 10.0 | RWS |
| | 03/07/90 | 0003 | 12 - 13 | | | 88.5 | 10.0 | RWS |
| SULFATE | 03/07/90 | 0002 | 12 - 13 | MG/KG | | 57.5 | 5.7 | RWS |
| | 03/07/90 | 0003 | 12 - 13 | | | 68.9 | 5.7 | RWS |

SOIL CHEMISTRY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: H030 BH30
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
01/17/89 TO 03/21/90
REPORT DATE: 08/28/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | DEPTH RANGE (FT) | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|---|
| % SOLIDS | 03/13/90 | 0001 | 5 - 6 | % | | 95.4 | 10.0 | RWS |
| | 03/13/90 | 0002 | 15 - 16 | | | 84.8 | 10.0 | RWS |
| CHLORIDE BY IC | 03/13/90 | 0001 | 5 - 6 | MG/KG | | 40.9 | 5.1 | RWS |
| | 03/13/90 | 0002 | 15 - 16 | | | 23.9 | 5.7 | RWS |
| SULFATE | 03/13/90 | 0001 | 5 - 6 | MG/KG | | 420 | 5.1 | RWS |
| | 03/13/90 | 0002 | 15 - 16 | | | 522 | 5.7 | RWS |

SOIL CHEMISTRY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: H031 BH31
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
01/17/89 TO 03/21/90
REPORT DATE: 08/28/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | DEPTH RANGE (FT) | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|---|
| % SOLIDS | 03/13/90 | 0003 | 3 - 4 | % | | 89.5 | 10.0 | RWS |
| CHLORIDE BY IC | 03/13/90 | 0003 | 3 - 4 | MG/KG | | 498 | 53.2 | RWS |
| SULFATE | 03/13/90 | 0003 | 3 - 4 | MG/KG | | 1160 | 5.3 | RWS |

SOIL CHEMISTRY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: H032 BH32
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
01/17/89 TO 03/21/90
REPORT DATE: 08/28/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | DEPTH RANGE (FT) | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|---|
| % SOLIDS | 03/14/90 | 0004 | 7 - 8 | % | | 97.5 | 10.0 | RWS |
| CHLORIDE BY IC | 03/14/90 | 0004 | 7 - 8 | MG/KG | | 6.7 | 4.8 | RWS |
| SULFATE | 03/14/90 | 0004 | 7 - 8 | MG/KG | | 63.1 | 4.8 | RWS |

SOIL CHEMISTRY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: H033 BH33
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
01/17/89 TO 03/21/90
REPORT DATE: 08/28/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | DEPTH RANGE (FT) | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|---|
| % SOLIDS | 03/14/90 | 0005 | 3 - 4 | % | | 89.3 | 10.0 | RWS |
| CHLORIDE BY IC | 03/14/90 | 0005 | 3 - 4 | MG/KG | | 342 | 51.0 | RWS |
| SULFATE | 03/14/90 | 0005 | 3 - 4 | MG/KG | | 2030 | 5.1 | RWS |
| TOTAL XYLENES (0812) | 03/14/90 | 0005 | 3 - 4 | UG/KG | | 2 | - | RWS |

DATA FILE NAME: F:\DART\BLM01\SCI10000.DAT

WATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: B261 LEACHATE FROM BLM-61
NORTH COORDINATE: 2076990.54 FT
EAST COORDINATE: 423472.98 FT
11/17/89 TO 06/26/90
REPORT DATE: 08/15/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ARSENIC, EP LEACHATE | 02/27/90 | 0005 | UG/L | U | 500 | 500 | RWS |
| | 02/27/90 | 0006 | | U | 500 | 500 | RWS |
| | 02/27/90 | 0007 | | U | 500 | 500 | RWS |
| BARIUM, EP LEACHATE | 02/27/90 | 0005 | UG/L | U | 1000 | 1000 | RWS |
| | 02/27/90 | 0006 | | U | 1000 | 1000 | RWS |
| | 02/27/90 | 0007 | | U | 1000 | 1000 | RWS |
| CADMIUM, EP LEACHATE | 02/27/90 | 0005 | UG/L | U | 100 | 100 | RWS |
| | 02/27/90 | 0006 | | U | 100 | 100 | RWS |
| | 02/27/90 | 0007 | | U | 100 | 100 | RWS |
| CHROMIUM, EP LEACHATE | 02/27/90 | 0005 | UG/L | U | 500 | 500 | RWS |
| | 02/27/90 | 0006 | | U | 500 | 500 | RWS |
| | 02/27/90 | 0007 | | U | 500 | 500 | RWS |
| LEAD, EP LEACHATE | 02/27/90 | 0005 | UG/L | U | 500 | 500 | RWS |
| | 02/27/90 | 0006 | | U | 500 | 500 | RWS |
| | 02/27/90 | 0007 | | U | 500 | 500 | RWS |
| MERCURY, EP LEACHATE | 02/27/90 | 0005 | UG/L | | 16.1 | 0.20 | RWS |
| | 02/27/90 | 0006 | | U | 2.0 | 2.0 | RWS |
| | 02/27/90 | 0007 | | U | 2.0 | 2.0 | RWS |
| SELENIUM, EP LEACHATE | 02/27/90 | 0005 | UG/L | U | 100 | 100 | RWS |
| | 02/27/90 | 0006 | | U | 100 | 100 | RWS |
| | 02/27/90 | 0007 | | U | 100 | 100 | RWS |
| SILVER, EP LEACHATE | 02/27/90 | 0005 | UG/L | U | 500 | 500 | RWS |
| | 02/27/90 | 0006 | | U | 500 | 500 | RWS |
| | 02/27/90 | 0007 | | U | 500 | 500 | RWS |
| STRONTIUM, EP LEACHATE | 02/27/90 | 0005 | UG/L | U | 500 | 500 | RWS |
| | 02/27/90 | 0006 | | | 1120 | 500 | RWS |
| | 02/27/90 | 0007 | | | 969 | 500 | RWS |
| TIN, EP LEACHATE | 02/27/90 | 0005 | UG/L | U | 500 | 500 | RWS |
| | 02/27/90 | 0006 | | U | 500 | 500 | RWS |
| | 02/27/90 | 0007 | | U | 500 | 500 | RWS |

PARAMETER VALUE INDICATOR (PVI): U - LESS THAN DETECTION LIMIT

WATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: B263 LEACHATE FROM BLM-63
NORTH COORDINATE: 2077086.74 FT
EAST COORDINATE: 423520.20 FT
11/17/89 TO 06/26/90
REPORT DATE: 08/15/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ARSENIC, EP LEACHATE | 03/02/90 | 0004 | UG/L | U | 500 | 500 | RWS |
| | 03/02/90 | 0005 | | U | 500 | 500 | RWS |
| BARIUM, EP LEACHATE | 03/02/90 | 0004 | UG/L | U | 1000 | 1000 | RWS |
| | 03/02/90 | 0005 | | U | 1000 | 1000 | RWS |
| CADMIUM, EP LEACHATE | 03/02/90 | 0004 | UG/L | U | 100 | 100 | RWS |
| | 03/02/90 | 0005 | | U | 100 | 100 | RWS |
| CHROMIUM, EP LEACHATE | 03/02/90 | 0004 | UG/L | U | 500 | 500 | RWS |
| | 03/02/90 | 0005 | | U | 500 | 500 | RWS |
| LEAD, EP LEACHATE | 03/02/90 | 0004 | UG/L | U | 500 | 500 | RWS |
| | 03/02/90 | 0005 | | U | 500 | 500 | RWS |
| MERCURY, EP LEACHATE | 03/02/90 | 0004 | UG/L | U | 0.20 | 0.20 | RWS |
| | 03/02/90 | 0005 | | U | 0.20 | 0.20 | RWS |
| SELENIUM, EP LEACHATE | 03/02/90 | 0004 | UG/L | U | 100 | 100 | RWS |
| | 03/02/90 | 0005 | | U | 100 | 100 | RWS |
| SILVER, EP LEACHATE | 03/02/90 | 0004 | UG/L | U | 500 | 500 | RWS |
| | 03/02/90 | 0005 | | U | 500 | 500 | RWS |
| STRONTIUM, EP LEACHATE | 03/02/90 | 0004 | UG/L | | 2790 | 500 | RWS |
| | 03/02/90 | 0005 | | U | 500 | 500 | RWS |
| TIN, EP LEACHATE | 03/02/90 | 0004 | UG/L | U | 500 | 500 | RWS |
| | 03/02/90 | 0005 | | U | 500 | 500 | RWS |

PARAMETER VALUE INDICATOR (PVI): U - LESS THAN DETECTION LIMIT

WATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: B264 LEACHATE FROM BLM-64
NORTH COORDINATE: 2076923.20 FT
EAST COORDINATE: 423546.11 FT
11/17/89 TO 06/26/90
REPORT DATE: 08/15/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ARSENIC, EP LEACHATE | 03/07/90 | 0004 | UG/L | U | 500 | 500 | RWS |
| | 03/07/90 | 0005 | | U | 500 | 500 | RWS |
| BARIUM, EP LEACHATE | 03/07/90 | 0004 | UG/L | U | 1000 | 1000 | RWS |
| | 03/07/90 | 0005 | | U | 1000 | 1000 | RWS |
| CADMIUM, EP LEACHATE | 03/07/90 | 0004 | UG/L | U | 100 | 100 | RWS |
| | 03/07/90 | 0005 | | U | 100 | 100 | RWS |
| CHROMIUM, EP LEACHATE | 03/07/90 | 0004 | UG/L | U | 500 | 500 | RWS |
| | 03/07/90 | 0005 | | U | 500 | 500 | RWS |
| LEAD, EP LEACHATE | 03/07/90 | 0004 | UG/L | U | 500 | 500 | RWS |
| | 03/07/90 | 0005 | | U | 500 | 500 | RWS |
| MERCURY, EP LEACHATE | 03/07/90 | 0004 | UG/L | | 7.5 | 0.20 | RWS |
| | 03/07/90 | 0005 | | | 5.4 | 0.20 | RWS |
| SELENIUM, EP LEACHATE | 03/07/90 | 0004 | UG/L | U | 100 | 100 | RWS |
| | 03/07/90 | 0005 | | U | 100 | 100 | RWS |
| SILVER, EP LEACHATE | 03/07/90 | 0004 | UG/L | U | 500 | 500 | RWS |
| | 03/07/90 | 0005 | | U | 500 | 500 | RWS |
| STRONTIUM, EP LEACHATE | 03/07/90 | 0004 | UG/L | | 1180 | 500 | RWS |
| | 03/07/90 | 0005 | | | 1120 | 500 | RWS |
| TIN, EP LEACHATE | 03/07/90 | 0004 | UG/L | U | 500 | 500 | RWS |
| | 03/07/90 | 0005 | | U | 500 | 500 | RWS |

PARAMETER VALUE INDICATOR (PVI): U - LESS THAN DETECTION LIMIT

WATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: H030 BH30
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
11/17/89 TO 06/26/90
REPORT DATE: 08/15/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ARSENIC, EP LEACHATE | 03/13/90 | 0007 | UG/L | U | 500 | 500 | RWS |
| | 03/13/90 | 0008 | | U | 500 | 500 | RWS |
| BARIUM, EP LEACHATE | 03/13/90 | 0007 | UG/L | U | 1000 | 1000 | RWS |
| | 03/13/90 | 0008 | | U | 1000 | 1000 | RWS |
| CADMIUM, EP LEACHATE | 03/13/90 | 0007 | UG/L | U | 100 | 100 | RWS |
| | 03/13/90 | 0008 | | U | 100 | 100 | RWS |
| CHROMIUM, EP LEACHATE | 03/13/90 | 0007 | UG/L | U | 500 | 500 | RWS |
| | 03/13/90 | 0008 | | U | 500 | 500 | RWS |
| LEAD, EP LEACHATE | 03/13/90 | 0007 | UG/L | U | 500 | 500 | RWS |
| | 03/13/90 | 0008 | | U | 500 | 500 | RWS |
| MERCURY, EP LEACHATE | 03/13/90 | 0007 | UG/L | | 0.28 | 0.20 | RWS |
| | 03/13/90 | 0008 | | U | 0.20 | 0.20 | RWS |
| SELENIUM, EP LEACHATE | 03/13/90 | 0007 | UG/L | U | 100 | 100 | RWS |
| | 03/13/90 | 0008 | | U | 100 | 100 | RWS |
| SILVER, EP LEACHATE | 03/13/90 | 0007 | UG/L | U | 500 | 500 | RWS |
| | 03/13/90 | 0008 | | U | 500 | 500 | RWS |
| STRONTIUM, EP LEACHATE | 03/13/90 | 0007 | UG/L | | 739 | 500 | RWS |
| | 03/13/90 | 0008 | | | 2160 | 500 | RWS |
| TIN, EP LEACHATE | 03/13/90 | 0007 | UG/L | U | 500 | 500 | RWS |
| | 03/13/90 | 0008 | | U | 500 | 500 | RWS |

PARAMETER VALUE INDICATOR (PVI): U - LESS THAN DETECTION LIMIT

WATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: H031 BH31
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
11/17/89 TO 06/26/90
REPORT DATE: 08/15/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ARSENIC, EP LEACHATE | 03/13/90 | 0009 | UG/L | U | 500 | 500 | RWS |
| BARIUM, EP LEACHATE | 03/13/90 | 0009 | UG/L | U | 1000 | 1000 | RWS |
| CADMIUM, EP LEACHATE | 03/13/90 | 0009 | UG/L | U | 100 | 100 | RWS |
| CHROMIUM, EP LEACHATE | 03/13/90 | 0009 | UG/L | U | 500 | 500 | RWS |
| LEAD, EP LEACHATE | 03/13/90 | 0009 | UG/L | U | 500 | 500 | RWS |
| MERCURY, EP LEACHATE | 03/13/90 | 0009 | UG/L | U | 0.20 | 0.20 | RWS |
| SELENIUM, EP LEACHATE | 03/13/90 | 0009 | UG/L | U | 100 | 100 | RWS |
| SILVER, EP LEACHATE | 03/13/90 | 0009 | UG/L | U | 500 | 500 | RWS |
| STRONTIUM, EP LEACHATE | 03/13/90 | 0009 | UG/L | | 2550 | 500 | RWS |
| TIN, EP LEACHATE | 03/13/90 | 0009 | UG/L | U | 500 | 500 | RWS |

PARAMETER VALUE INDICATOR (PVI): U - LESS THAN DETECTION LIMIT

WATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: H032 BH32
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
11/17/89 TO 06/26/90
REPORT DATE: 08/15/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ARSENIC, EP LEACHATE | 03/14/90 | 0010 | UG/L | U | 500 | 500 | RWS |
| BARIUM, EP LEACHATE | 03/14/90 | 0010 | UG/L | U | 1000 | 1000 | RWS |
| CADMIUM, EP LEACHATE | 03/14/90 | 0010 | UG/L | U | 100 | 100 | RWS |
| CHROMIUM, EP LEACHATE | 03/14/90 | 0010 | UG/L | U | 500 | 500 | RWS |
| LEAD, EP LEACHATE | 03/14/90 | 0010 | UG/L | U | 500 | 500 | RWS |
| MERCURY, EP LEACHATE | 03/14/90 | 0010 | UG/L | U | 0.20 | 0.20 | RWS |
| SELENIUM, EP LEACHATE | 03/14/90 | 0010 | UG/L | U | 100 | 100 | RWS |
| SILVER, EP LEACHATE | 03/14/90 | 0010 | UG/L | U | 500 | 500 | RWS |
| STRONTIUM, EP LEACHATE | 03/14/90 | 0010 | UG/L | | 647 | 500 | RWS |
| TIN, EP LEACHATE | 03/14/90 | 0010 | UG/L | U | 500 | 500 | RWS |

PARAMETER VALUE INDICATOR (PVI): U - LESS THAN DETECTION LIMIT

WATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: H033 BH33
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
11/17/89 TO 06/26/90
REPORT DATE: 08/15/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ARSENIC, EP LEACHATE | 03/14/90 | 0011 | UG/L | U | 500 | 500 | RWS |
| BARIUM, EP LEACHATE | 03/14/90 | 0011 | UG/L | U | 1000 | 1000 | RWS |
| CADMIUM, EP LEACHATE | 03/14/90 | 0011 | UG/L | U | 100 | 100 | RWS |
| CHROMIUM, EP LEACHATE | 03/14/90 | 0011 | UG/L | U | 500 | 500 | RWS |
| LEAD, EP LEACHATE | 03/14/90 | 0011 | UG/L | U | 500 | 500 | RWS |
| MERCURY, EP LEACHATE | 03/14/90 | 0011 | UG/L | U | 0.20 | 0.20 | RWS |
| SELENIUM, EP LEACHATE | 03/14/90 | 0011 | UG/L | U | 100 | 100 | RWS |
| SILVER, EP LEACHATE | 03/14/90 | 0011 | UG/L | U | 500 | 500 | RWS |
| STRONTIUM, EP LEACHATE | 03/14/90 | 0011 | UG/L | | 3180 | 500 | RWS |
| TIN, EP LEACHATE | 03/14/90 | 0011 | UG/L | U | 500 | 500 | RWS |

PARAMETER VALUE INDICATOR (PVI): U - LESS THAN DETECTION LIMIT

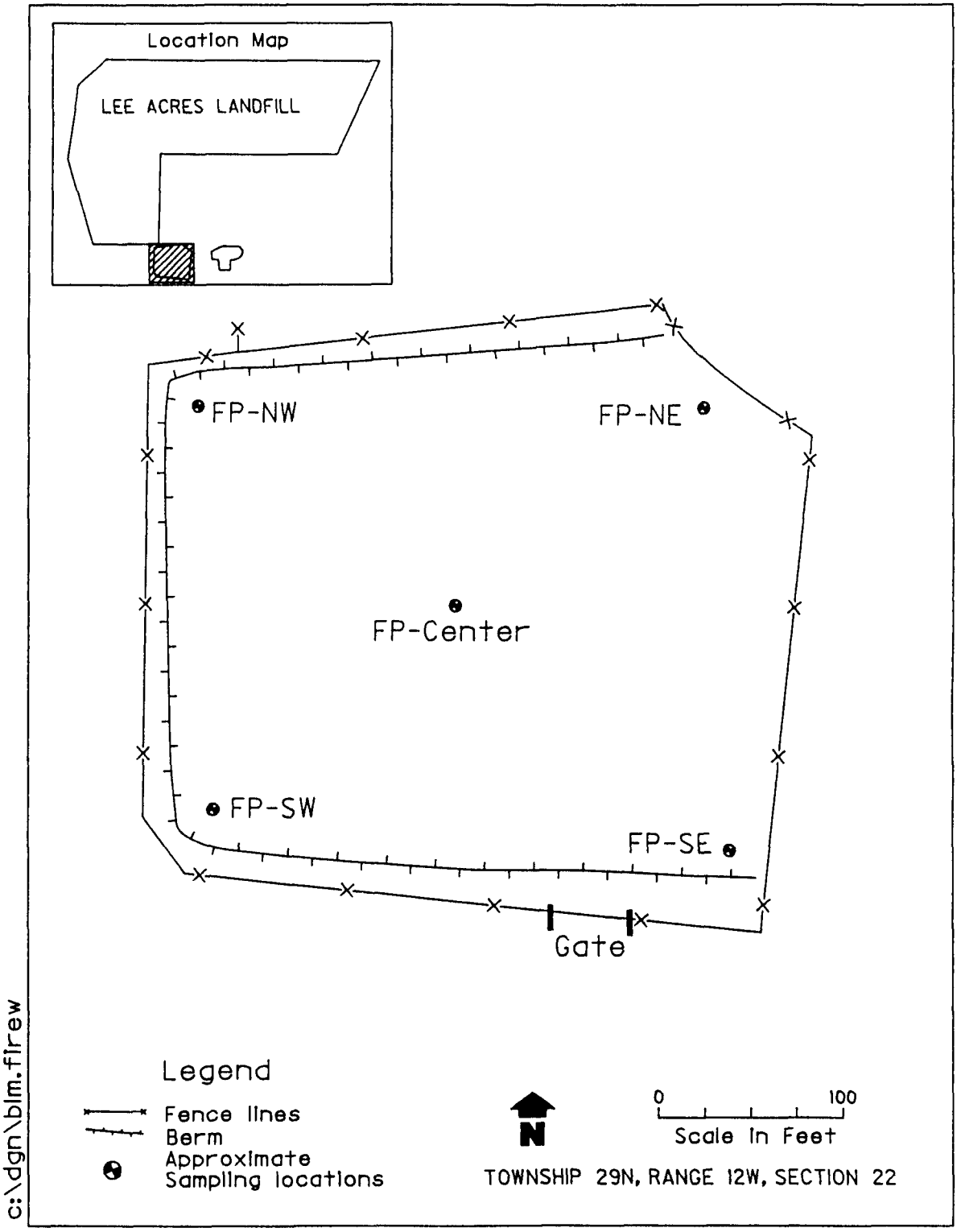



Figure 2-26. Western fire water pond sampling locations.

SOIL CHEMISTRY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: F001 FPC/FIRE POND CENTRAL
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
01/17/89 TO 03/21/90
REPORT DATE: 08/28/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | DEPTH RANGE (FT) | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|---|
| % SOLIDS | 03/21/90 | 0001 | 0.0- 0.1 | % | | 87.1 | 10.0 | RWS |
| BIS(2-ETHYLHEXYL)PHTHALATE (625H) | 03/21/90 | 0001 | 0.0- 0.1 | UG/KG | B | 1000 | 380 | RWS |
| SULFATE | 03/21/90 | 0001 | 0.0- 0.1 | MG/KG | | 2110 | 52.8 | RWS |
| TOTAL XYLENES (0812) | 03/21/90 | 0001 | 0.0- 0.1 | UG/KG | | 6 | - | RWS |

SOIL CHEMISTRY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: F002 FPNE/FIRE POND NORTHEAST
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
01/17/89 TO 03/21/90
REPORT DATE: 08/28/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | DEPTH RANGE (FT) | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|---|
| % SOLIDS | 03/21/90 | 0003 | 0.0- 1.5 | % | | 87.2 | 10.0 | RWS |
| BIS(2-ETHYLHEXYL)PHTHALATE (625H) | 03/21/90 | 0003 | 0.0- 1.5 | UG/KG | B | 1600 | 380 | RWS |
| CHLORIDE BY IC | 03/21/90 | 0003 | 0.0- 1.5 | MG/KG | | 6.7 | 5.3 | RWS |
| SULFATE | 03/21/90 | 0003 | 0.0- 1.5 | MG/KG | | 6040 | 53.0 | RWS |

SOIL CHEMISTRY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: F003 FPSE/FIRE POND SOUTHEAST
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
01/17/89 TO 03/21/90
*REPORT DATE: 08/28/90*

| PARAMETER NAME | LOG DATE | SAMPLE ID | DEPTH RANGE (FT) | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|---|
| % SOLIDS | 03/21/90 | 0004 | 0.0- 0.1 | % | | 89.7 | 10.0 | RWS |
| BIS(2-ETHYLHEXYL)PHTHALATE (625H) | 03/21/90 | 0004 | 0.0- 0.1 | UG/KG | B | 1100 | 370 | RWS |
| SULFATE | 03/21/90 | 0004 | 0.0- 0.1 | MG/KG | | 665 | 5.4 | RWS |
| TOTAL XYLENES (0812) | 03/21/90 | 0004 | 0.0- 0.1 | UG/KG | | 5 | - | RWS |
| | 03/21/90 | A104 | 0.0- 0.1 | | | 41 | - | RWS |

SOIL CHEMISTRY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: F004 FPSW/FIRE POND SOUTHWEST
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
01/17/89 TO 03/21/90
REPORT DATE: 08/28/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | DEPTH RANGE (FT) | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|---|
| % SOLIDS | 03/21/90 | 0005 | 0.0- 0.1 | % | | 91.1 | 10.0 | RWS |
| BIS(2-ETHYLHEXYL)PHTHALATE (625H) | 03/21/90 | 0005 | 0.0- 0.1 | UG/KG | B | 760 | 370 | RWS |
| SULFATE | 03/21/90 | 0005 | 0.0- 0.1 | MG/KG | | 3160 | 53.0 | RWS |
| TOTAL XYLENES (0812) | 03/21/90<br>03/21/90 | 0005<br>A105 | 0.0- 0.1<br>0.0- 0.1 | UG/KG | | 17<br>56 | -<br>- | RWS<br>RWS |

SOIL CHEMISTRY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: F005 FPNW/FIRE POND NORTHWEST
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
01/17/89 TO 03/21/90
REPORT DATE: 08/28/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | DEPTH RANGE (FT) | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|---|
| % SOLIDS | 03/21/90 | 0002 | 0.0- 0.1 | % | | 86.2 | 10.0 | RWS |
| BIS(2-ETHYLHEXYL)PHTHALATE (625H) | 03/21/90 | 0002 | 0.0- 0.1 | UG/KG | B | 1400 | 390 | RWS |
| SULFATE | 03/21/90 | 0002 | 0.0- 0.1 | MG/KG | | 2130 | 51.3 | RWS |

WATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: F001 FPC/FIRE POND CENTRAL
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
11/17/89 TO 06/26/90
REPORT DATE: 08/15/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ARSENIC, EP LEACHATE | 03/21/90 | 0006 | UG/L | U | 500 | 500 | RWS |
| BARIUM, EP LEACHATE | 03/21/90 | 0006 | UG/L | U | 1000 | 1000 | RWS |
| CADMIUM, EP LEACHATE | 03/21/90 | 0006 | UG/L | U | 100 | 100 | RWS |
| CHROMIUM, EP LEACHATE | 03/21/90 | 0006 | UG/L | U | 500 | 500 | RWS |
| LEAD, EP LEACHATE | 03/21/90 | 0006 | UG/L | U | 500 | 500 | RWS |
| MERCURY, EP LEACHATE | 03/21/90 | 0006 | UG/L | U | 0.20 | 0.20 | RWS |
| SELENIUM, EP LEACHATE | 03/21/90 | 0006 | UG/L | U | 100 | 100 | RWS |
| SILVER, EP LEACHATE | 03/21/90 | 0006 | UG/L | U | 500 | 500 | RWS |
| STRONTIUM, EP LEACHATE | 03/21/90 | 0006 | UG/L | | 787 | 500 | RWS |
| TIN, EP LEACHATE | 03/21/90 | 0006 | UG/L | U | 500 | 500 | RWS |

PARAMETER VALUE INDICATOR (PVI): U - LESS THAN DETECTION LIMIT

WATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: F002 FPNE/FIRE POND NORTHEAST
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
11/17/89 TO 06/26/90
REPORT DATE: 08/15/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ARSENIC, EP LEACHATE | 03/21/90 | 0008 | UG/L | U | 500 | 500 | RWS |
| BARIUM, EP LEACHATE | 03/21/90 | 0008 | UG/L | U | 1000 | 1000 | RWS |
| CADMIUM, EP LEACHATE | 03/21/90 | 0008 | UG/L | U | 100 | 100 | RWS |
| CHROMIUM, EP LEACHATE | 03/21/90 | 0008 | UG/L | U | 500 | 500 | RWS |
| LEAD, EP LEACHATE | 03/21/90 | 0008 | UG/L | U | 500 | 500 | RWS |
| MERCURY, EP LEACHATE | 03/21/90 | 0008 | UG/L | U | 0.20 | 0.20 | RWS |
| SELENIUM, EP LEACHATE | 03/21/90 | 0008 | UG/L | U | 100 | 100 | RWS |
| SILVER, EP LEACHATE | 03/21/90 | 0008 | UG/L | U | 500 | 500 | RWS |
| STRONTIUM, EP LEACHATE | 03/21/90 | 0008 | UG/L | | 1230 | 500 | RWS |
| TIN, EP LEACHATE | 03/21/90 | 0008 | UG/L | U | 500 | 500 | RWS |

PARAMETER VALUE INDICATOR (PVI): U - LESS THAN DETECTION LIMIT

WATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: F003 FPSE/FIRE POND SOUTHEAST
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
11/17/89 TO 06/26/90
REPORT DATE: 08/15/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ARSENIC, EP LEACHATE | 03/21/90 | 0009 | UG/L | U | 500 | 500 | RWS |
| BARIUM, EP LEACHATE | 03/21/90 | 0009 | UG/L | U | 1000 | 1000 | RWS |
| CADMIUM, EP LEACHATE | 03/21/90 | 0009 | UG/L | U | 100 | 100 | RWS |
| CHROMIUM, EP LEACHATE | 03/21/90 | 0009 | UG/L | U | 500 | 500 | RWS |
| LEAD, EP LEACHATE | 03/21/90 | 0009 | UG/L | U | 500 | 500 | RWS |
| MERCURY, EP LEACHATE | 03/21/90 | 0009 | UG/L | U | 0.20 | 0.20 | RWS |
| SELENIUM, EP LEACHATE | 03/21/90 | 0009 | UG/L | U | 100 | 100 | RWS |
| SILVER, EP LEACHATE | 03/21/90 | 0009 | UG/L | U | 500 | 500 | RWS |
| STRONTIUM, EP LEACHATE | 03/21/90 | 0009 | UG/L | | 985 | 500 | RWS |
| TIN, EP LEACHATE | 03/21/90 | 0009 | UG/L | U | 500 | 500 | RWS |

PARAMETER VALUE INDICATOR (PVI): U - LESS THAN DETECTION LIMIT

WATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: F004 FPSW/FIRE POND SOUTHWEST
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
11/17/89 TO 06/26/90
REPORT DATE: 08/15/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ARSENIC, EP LEACHATE | 03/21/90 | 0010 | UG/L | U | 500 | 500 | RWS |
| BARIUM, EP LEACHATE | 03/21/90 | 0010 | UG/L | U | 1000 | 1000 | RWS |
| CADMIUM, EP LEACHATE | 03/21/90 | 0010 | UG/L | U | 100 | 100 | RWS |
| CHROMIUM, EP LEACHATE | 03/21/90 | 0010 | UG/L | U | 500 | 500 | RWS |
| LEAD, EP LEACHATE | 03/21/90 | 0010 | UG/L | U | 500 | 500 | RWS |
| MERCURY, EP LEACHATE | 03/21/90 | 0010 | UG/L | U | 0.20 | 0.20 | RWS |
| SELENIUM, EP LEACHATE | 03/21/90 | 0010 | UG/L | | 212 | 100 | RWS |
| SILVER, EP LEACHATE | 03/21/90 | 0010 | UG/L | U | 500 | 500 | RWS |
| STRONTIUM, EP LEACHATE | 03/21/90 | 0010 | UG/L | U | 500 | 500 | RWS |
| TIN, EP LEACHATE | 03/21/90 | 0010 | UG/L | U | 500 | 500 | RWS |

PARAMETER VALUE INDICATOR (PVI): U - LESS THAN DETECTION LIMIT

WATER QUALITY DATA BY LOCATION
SITE: BLM01 BLM (Lee Acres)
LOCATION: F005 FPNW/FIRE POND NORTHWEST
NORTH COORDINATE: UNKNOWN
EAST COORDINATE: UNKNOWN
11/17/89 TO 06/26/90
REPORT DATE: 08/15/90

| PARAMETER NAME | LOG DATE | SAMPLE ID | UNITS OF MEASURE | PVI | PARAMETER VALUE | DETECTION LIMIT | LAB CODE |
|---|---|---|---|---|---|---|---|
| ARSENIC, EP LEACHATE | 03/21/90 | 0007 | UG/L | U | 500 | 500 | RWS |
| BARIUM, EP LEACHATE | 03/21/90 | 0007 | UG/L | U | 1000 | 1000 | RWS |
| CADMIUM, EP LEACHATE | 03/21/90 | 0007 | UG/L | U | 100 | 100 | RWS |
| CHROMIUM, EP LEACHATE | 03/21/90 | 0007 | UG/L | U | 500 | 500 | RWS |
| LEAD, EP LEACHATE | 03/21/90 | 0007 | UG/L | U | 500 | 500 | RWS |
| MERCURY, EP LEACHATE | 03/21/90 | 0007 | UG/L | U | 0.20 | 0.20 | RWS |
| SELENIUM, EP LEACHATE | 03/21/90 | 0007 | UG/L | U | 100 | 100 | RWS |
| SILVER, EP LEACHATE | 03/21/90 | 0007 | UG/L | U | 500 | 500 | RWS |
| STRONTIUM, EP LEACHATE | 03/21/90 | 0007 | UG/L | | 1440 | 500 | RWS |
| TIN, EP LEACHATE | 03/21/90 | 0007 | UG/L | U | 500 | 500 | RWS |

PARAMETER VALUE INDICATOR (PVI): U - LESS THAN DETECTION LIMIT

STATIC GROUNDWATER LEVELS
SITE: BLM01 BLM (Lee Acres)
REPORT DATE: 09/20/90

| LOCATION ID | NORTH COORDINATE (FT) | EAST COORDINATE (FT) | FORMATION OF COMPLETION | FLOW CODE | CASING ELEVATION (FT MSL) | SCREEN BEGINNING DEPTH (FT) | SCREEN LENGTH (FT) | LOG DATE | DEPTH FROM TOP OF CASING (FT) | GROUNDWATER ELEVATION (FT MSL) |
|---|---|---|---|---|---|---|---|---|---|---|
| B057 | 2078434.40 | 423530.57 | SA | 2 | 5446.24 | 39.07 | 9.53 | 04/30/90 | 24.32 | 5421.92 |
| | | | | | | | | 05/22/90 | 44.94 | 5401.30 |
| | | | | | | | | 08/24/90 | 45.27 | 5400.97 |
| B058 | 2078207.44 | 423407.78 | SA | 2 | 5436.76 | 32.49 | 9.10 | 03/06/90 | 39.29 | 5397.47 |
| | | | | | | | | 04/29/90 | 39.54 | 5397.22 |
| | | | | | | | | 05/22/90 | 39.59 | 5397.17 |
| | | | | | | | | 08/24/90 | 39.90 | 5396.86 |
| B059 | 2077319.19 | 423360.55 | BR | 2 | 5420.05 | 50.99 | 9.59 | 03/02/90 | 31.15 | 5388.90 |
| | | | | | | | | 04/27/90 | 31.48 | 5388.57 |
| | | | | | | | | 05/18/90 | 32.40 | 5387.65 |
| | | | | | | | | 08/22/90 | 31.71 | 5388.34 |
| B060 | 2077331.49 | 423357.27 | SA | 2 | 5420.14 | 28.05 | 9.56 | 03/02/90 | 34.75 | 5385.39 |
| | | | | | | | | 04/27/90 | 34.93 | 5385.21 |
| | | | | | | | | 05/18/90 | 34.80 | 5385.34 |
| | | | | | | | | 08/22/90 | 35.33 | 5384.81 |
| B061 | 2076990.54 | 423472.98 | BR | 3 | 5412.44 | 45.35 | 9.53 | 03/21/90 | 25.77 | 5386.67 |
| | | | | | | | | 04/27/90 | 25.53 | 5386.91 |
| | | | | | | | | 05/20/90 | 24.32 | 5388.12 |
| | | | | | | | | 08/22/90 | 24.75 | 5387.69 |
| B062 | 2076999.82 | 423478.33 | SA | 3 | 5412.67 | 25.04 | 9.54 | 03/21/90 | 30.92 | 5381.75 |
| | | | | | | | | 04/27/90 | 30.94 | 5381.73 |
| | | | | | | | | 05/20/90 | 30.87 | 5381.80 |
| | | | | | | | | 08/22/90 | 31.42 | 5381.25 |
| B063 | 2077086.74 | 423520.20 | BR | 3 | 5413.92 | 44.05 | 9.52 | 03/21/90 | 24.44 | 5389.48 |
| | | | | | | | | 05/20/90 | 24.80 | 5389.12 |
| | | | | | | | | 08/22/90 | 24.86 | 5389.06 |
| B064 | 2076923.20 | 423546.11 | BR | 3 | 5409.15 | 44.49 | 9.54 | 03/21/90 | 21.05 | 5388.10 |
| | | | | | | | | 04/28/90 | 21.23 | 5387.92 |
| | | | | | | | | 05/20/90 | 20.09 | 5389.06 |
| | | | | | | | | 08/22/90 | 21.94 | 5387.21 |
| B065 | 2073445.54 | 422428.61 | SA | 4 | 5359.88 | 30.05 | 9.54 | 03/20/90 | 32.26 | 5327.62 |
| | | | | | | | | 04/28/90 | 32.00 | 5327.88 |
| | | | | | | | | 05/20/90 | 32.30 | 5327.58 |

FORMATION OF COMPLETION CODE:
SA - SHALLOW ALLUVIAL AQUIFER
BR - BEDROCK AQUIFER

FLOW RELATIONSHIP CODE:
2 - SUBAREA 2
3 - SUBAREA 3
4 - SUBAREA 4

STATIC GROUNDWATER LEVELS
SITE: BLM01 BLM (Lee Acres)
REPORT DATE: 09/20/90

| LOCATION ID | NORTH COORDINATE (FT) | EAST COORDINATE (FT) | FORMATION OF COMPLETION | FLOW CODE | CASING ELEVATION (FT MSL) | SCREEN BEGINNING DEPTH (FT) | SCREEN LENGTH (FT) | LOG DATE | DEPTH FROM TOP OF CASING (FT) | GROUNDWATER ELEVATION (FT MSL) |
|---|---|---|---|---|---|---|---|---|---|---|
| B065 | 2073445.54 | 422428.61 | SA | 4 | 5359.88 | 30.05 | 9.54 | 08/23/90 | 33.30 | 5326.58 |
| B066 | 2072549.47 | 421853.46 | SA | 4 | 5339.09 | 12.24 | 9.53 | 03/20/90<br>04/28/90<br>05/18/90<br>08/23/90 | 15.44<br>14.00<br>15.40<br>16.40 | 5323.65<br>5325.09<br>5323.69<br>5322.69 |
| G005 | 2075193.99 | 423970.46 | NR | 3 | 5395.07 | 32.00 | 20.00 | 05/12/89 | 33.50 | 5361.57 |
| G006 | 2075181.70 | 423954.28 | NR | 3 | 5395.70 | 20.33 | 40.00 | 05/12/89 | 38.31 | 5357.39 |
| G007 | 2075187.71 | 423962.16 | NR | 3 | 5395.85 | 31.63 | 10.00 | 05/12/89 | 41.42 | 5354.43 |
| G008 | 2075099.53 | 423760.15 | NR | 3 | 5389.92 | 38.00 | 15.00 | 05/12/89 | 42.30 | 5347.62 |
| G009 | 2075104.84 | 423740.86 | NR | 3 | 5389.92 | 50.00 | 10.00 | 08/25/88<br>05/12/89 | 48.31<br>38.13 | 5341.61<br>5351.79 |
| G010 | 2075107.01 | 423758.92 | NR | 3 | 5390.52 | 29.00 | 10.00 | 05/12/89 | 43.45 | 5347.07 |
| G011 | 2075110.21 | 423721.45 | NR | 3 | 5389.43 | 40.00 | 10.00 | 05/12/89 | 42.81 | 5346.62 |
| G013 | 2075304.55 | 423741.58 | NR | 3 | 5393.94 | 32.00 | 10.00 | 05/12/89 | 40.25 | 5353.69 |
| G014 | 2075928.25 | 423667.55 | NR | 3 | 5396.90 | 20.00 | 40.00 | 05/12/89 | 32.80 | 5364.10 |
| G015 | 2075894.40 | 423696.23 | NR | 3 | 5397.99 | 45.00 | 10.00 | 05/12/89 | 31.64 | 5366.35 |
| G017 | 2076194.00 | 423431.19 | NR | 3 | 5402.69 | 31.00 | 20.00 | 08/24/88<br>05/12/89<br>08/23/90 | 31.72<br>33.45<br>34.60 | 5370.97<br>5369.24<br>5368.09 |
| G018 | 2076976.92 | 423829.67 | BR | 3 | 5421.68 | 35.00 | 10.00 | 08/24/88<br>05/12/89<br>03/22/90<br>04/26/90<br>05/18/90<br>08/23/90 | 13.71<br>14.75<br>18.99<br>19.30<br>19.55<br>19.88 | 5407.97<br>5406.93<br>5402.69<br>5402.38<br>5402.13<br>5401.80 |
| G019 | 2075390.11 | 423599.04 | NR | 3 | 5393.83 | 31.00 | 15.00 | 08/24/88<br>05/12/89 | 38.28<br>38.55 | 5355.55<br>5355.28 |

FORMATION OF COMPLETION CODE:
SA - SHALLOW ALLUVIAL AQUIFER
NR - NOT REPORTED
BR - BEDROCK AQUIFER

FLOW RELATIONSHIP CODE:
4 - SUBAREA 4
3 - SUBAREA 3

STATIC GROUNDWATER LEVELS
SITE: BLM01 BLM (Lee Acres)
REPORT DATE: 09/20/90

| LOCATION ID | NORTH COORDINATE (FT) | EAST COORDINATE (FT) | FORMATION OF COMPLETION | FLOW CODE | CASING ELEVATION (FT MSL) | SCREEN BEGINNING DEPTH (FT) | SCREEN LENGTH (FT) | LOG DATE | DEPTH FROM TOP OF CASING (FT) | GROUNDWATER ELEVATION (FT MSL) |
|---|---|---|---|---|---|---|---|---|---|---|
| G020 | 2075202.08 | 423875.50 | NR | 3 | 5395.47 | 27.00 | 10.00 | 05/12/89 | 39.95 | 5355.52 |
| G021 | 2075894.42 | 423777.30 | NR | 3 | 5400.65 | 17.00 | 20.00 | 05/12/89 | 20.07 | 5380.58 |
| G022 | 2075700.80 | 423740.99 | NR | 3 | 5395.91 | 32.00 | 10.00 | 05/12/89 | 32.93 | 5362.98 |
| G023 | 2075959.69 | 423843.33 | NR | 3 | 5403.72 | 23.83 | 10.00 | 05/12/89 | 22.89 | 5380.83 |
| G024 | 2076033.31 | 423733.87 | NR | 3 | 5396.08 | 23.00 | 20.00 | 05/12/89 | 23.66 | 5372.42 |
| G026 | 2075899.74 | 423706.77 | NR | 3 | 5395.59 | 25.00 | 10.00 | 05/12/89 | 32.02 | 5363.57 |
| G027 | 2075886.30 | 423768.42 | NR | 3 | 5397.85 | 22.00 | 40.00 | 05/12/89 | 28.71 | 5369.14 |
| G028 | 2075818.72 | 423702.95 | NR | 3 | 5397.24 | 23.50 | 40.00 | 05/12/89 | 34.71 | 5362.53 |
| G029 | 2075082.87 | 423822.92 | NR | 3 | 5388.77 | 25.00 | 40.00 | 05/12/89 | 50.13 | 5338.64 |
| G030 | 2075965.18 | 423667.96 | NR | 3 | 5396.58 | 25.00 | 15.00 | 05/12/89 | 32.51 | 5364.07 |
| G031 | 2075745.06 | 423633.63 | NR | 3 | 5394.06 | 24.58 | 15.00 | 08/24/88<br>05/12/89 | 32.38<br>33.75 | 5361.68<br>5360.31 |
| G032 | 2077015.27 | 423444.62 | SA | 3 | 5416.77 | 25.00 | 15.00 | 08/24/88<br>05/12/89<br>03/22/90<br>04/26/90<br>05/18/90<br>09/18/90 | 34.21<br>35.42<br>35.62<br>35.72<br>35.70<br>36.31 | 5382.56<br>5381.35<br>5381.15<br>5381.05<br>5381.07<br>5380.46 |
| G034 | 2075643.79 | 423726.27 | NR | 3 | 5394.00 | 27.00 | 16.00 | 05/12/89 | 34.17 | 5359.83 |
| G035 | 2075593.71 | 423727.59 | NR | 3 | 5393.66 | 25.00 | 16.00 | 05/12/89 | 34.30 | 5359.36 |
| G036 | 2075539.40 | 423657.61 | NR | 3 | 5395.02 | 25.00 | 40.00 | 05/12/89 | 36.96 | 5358.06 |
| G037 | 2075118.09 | 423693.07 | NR | 3 | 5390.56 | 26.00 | 40.00 | 05/12/89 | 41.68 | 5348.88 |
| G038 | 2075060.36 | 423961.17 | NR | 3 | 5394.30 | 27.00 | 40.00 | 05/12/89 | 39.21 | 5355.09 |
| G039 | 2075890.73 | 423689.38 | NR | 3 | 5397.55 | 0.00 | 0.00 | 05/12/89 | 33.67 | 5363.88 |
| G040 | 2075529.46 | 423992.42 | NR | 3 | 5400.76 | 0.00 | 0.00 | 05/12/89 | 31.38 | 5369.38 |

FORMATION OF COMPLETION CODE:
NR - NOT REPORTED
SA - SHALLOW ALLUVIAL AQUIFER

FLOW RELATIONSHIP CODE:
3 - SUBAREA 3

STATIC GROUNDWATER LEVELS
SITE: BLM01 BLM (Lee Acres)
REPORT DATE: 09/20/90

| LOCATION ID | NORTH COORDINATE (FT) | EAST COORDINATE (FT) | FORMATION OF COMPLETION | FLOW CODE | CASING ELEVATION (FT MSL) | SCREEN BEGINNING DEPTH (FT) | SCREEN LENGTH (FT) | LOG DATE | DEPTH FROM TOP OF CASING (FT) | GROUNDWATER ELEVATION (FT MSL) |
|---|---|---|---|---|---|---|---|---|---|---|
| G041 | 2075401.78 | 423971.75 | NR | 3 | 5396.35 | 0.00 | 0.00 | 05/12/89 | 28.76 | 5367.59 |
| G042 | 2075047.10 | 423871.16 | NR | 3 | 5391.28 | 0.00 | 0.00 | 05/12/89 | 47.50 | 5343.78 |
| G043 | 2075085.74 | 423745.91 | NR | 3 | 5390.02 | 0.00 | 0.00 | 05/12/89 | 49.02 | 5341.00 |
| G044 | 2075176.00 | 423676.90 | NR | 3 | 5390.81 | 0.00 | 0.00 | 05/12/89 | 45.91 | 5344.90 |
| G048 | 2077112.31 | 423445.93 | SA | 3 | 5419.09 | 28.40 | 10.00 | 05/12/89<br>03/22/90<br>04/26/90<br>05/18/90<br>08/23/90 | 36.82<br>31.49<br>31.48<br>31.61<br>38.05 | 5382.27<br>5387.60<br>5387.61<br>5387.48<br>5381.04 |
| G049 | 2076861.24 | 423467.25 | SA | 3 | 5412.45 | 25.90 | 10.40 | 05/12/89<br>03/22/90<br>04/26/90<br>05/18/90<br>08/23/90 | 33.31<br>33.57<br>33.57<br>32.10<br>34.20 | 5379.14<br>5378.88<br>5378.88<br>5380.35<br>5378.25 |
| G050 | 2077212.01 | 423372.38 | SA | 3 | 5416.59 | 26.91 | 10.30 | 05/12/89<br>03/22/90<br>04/26/90<br>05/18/90<br>08/23/90 | 33.08<br>33.30<br>33.38<br>34.45<br>33.80 | 5383.51<br>5383.29<br>5383.21<br>5382.14<br>5382.79 |
| G051 | 2075217.62 | 423579.42 | NR | 3 | 5389.68 | 0.00 | 0.00 | 05/12/89 | 38.87 | 5350.81 |
| G052 | 2075220.49 | 423490.56 | NR | 3 | 5387.74 | 0.00 | 0.00 | 05/12/89 | 36.55 | 5351.19 |
| G121 | 2075894.42 | 423777.30 | NR | 3 | 5400.19 | 33.00 | 5.00 | 05/12/89 | 27.40 | 5372.79 |
| G124 | 2076033.31 | 423733.87 | NR | 3 | 5396.77 | 33.00 | 10.00 | 08/24/88<br>05/12/89 | 26.02<br>26.62 | 5370.75<br>5370.15 |
| R004 | - | - | NR | N | - | - | - | 08/25/88 | 40.32 | - |
| S001 | - | - | NR | 4 | - | - | - | 09/06/89<br>06/18/90 | 39.72<br>40.93 | -<br>- |
| S002 | - | - | NR | 4 | - | - | - | 09/06/89 | 40.20 | - |

FORMATION OF COMPLETION CODE:
NR - NOT REPORTED
SA - SHALLOW ALLUVIAL AQUIFER

FLOW RELATIONSHIP CODE:
3 - SUBAREA 3
N - UNKNOWN
4 - SUBAREA 4

*STATIC GROUNDWATER LEVELS*
SITE: BLM01 BLM (Lee Acres)
REPORT DATE: 09/20/90

| LOCATION ID | NORTH COORDINATE (FT) | EAST COORDINATE (FT) | FORMATION OF COMPLETION | FLOW CODE | CASING ELEVATION (FT MSL) | SCREEN BEGINNING DEPTH (FT) | SCREEN LENGTH (FT) | LOG DATE | DEPTH FROM TOP OF CASING (FT) | GROUNDWATER ELEVATION (FT MSL) |
|---|---|---|---|---|---|---|---|---|---|---|
| S002 | - | - | NR | 4 | - | - | - | 06/18/90 | 34.88 | - |
| S003 | - | - | NR | 4 | - | - | - | 06/18/90 | 35.77 | - |
| S004 | - | - | NR | 4 | - | - | - | 06/18/90 | 40.82 | - |
| S005 | - | - | NR | 4 | - | - | - | 06/18/90 | 37.91 | - |
| S006 | - | - | NR | 4 | - | - | - | 06/18/90 | 37.99 | - |
| S007 | - | - | NR | 4 | - | - | - | 06/18/90 | 38.44 | - |
| S008 | - | - | NR | 4 | - | - | - | 06/18/90 | 38.23 | - |
| S009 | - | - | NR | 4 | - | - | - | 06/18/90 | 37.63 | - |
| S010 | - | - | NR | 4 | - | - | - | 06/18/90 | 38.68 | - |
| S011 | - | - | NR | 4 | - | - | - | 06/18/90 | 37.77 | - |
| S012 | - | - | NR | 4 | - | - | - | 06/18/90 | 39.40 | - |
| U003 | - | - | NR | N | - | - | - | 05/12/89 | 40.06 | - |
| U008 | - | - | NR | N | - | - | - | 05/12/89 | 35.02 | - |
| U013 | - | - | NR | N | - | - | - | 05/12/89 | 30.67 | - |

FORMATION OF COMPLETION CODE:
NR - NOT REPORTED

FLOW RELATIONSHIP CODE:
4 - SUBAREA 4
N - UNKNOWN

DATA FILE: F:\DART\BLM01\GWL10004.DAT

FIELDS DISPLAYED WITH A DASH INDICATE THE DATA IS UNAVAILABLE