CDG
Engineering. Environmental. Answers.

612 Wheeler Avenue, N.W.
Huntsville, AL 35801
Tel (256) 539-7470
Fax (256) 539-7473

www.cdge.com

December 3, 2015

Alabama Department of Environmental Management
Land Division
Groundwater Branch
Post Office Box 301463
Montgomery, Alabama 36130

Attention: Mr. Jeff Aul
UST Corrective Action Unit

RE: REVISED MODIFIED CORRECTIVE ACTION PLAN (CP-49)
EAVES GROCERY
20420 UPPER FORT HAMPTON ROAD
ELKMONT, LIMESTONE COUNTY, ALABAMA
FACILITY I.D. NO. 15310-083-014463
UST INCIDENT NO. UST03-07-04
CDG PROJECT NO. 520900449

Dear Mr. Aul:

CDG Engineers and Associates, Inc. (CDG) is pleased to submit the above referenced Revised Modified Underground Storage Tank Corrective Action Plan (CAP). CDG developed the Revised Modified CAP in accordance with the ADEM Administrative Code R.335-6-15-.29 in response to approval of Cost Proposal No. 49 by the ADEM letter dated June 11, 2015 and includes additional information as requested in the ADEM letter dated November 3, 2015.

Should you have any question regarding this plan, please do not hesitate to contact the undersigned.

Respectfully Submitted,
CDG ENGINEERS AND ASSOCIATES, INC.

Michael Kotar
Project Manager

David Dailey, P.E.
Project Engineer

cc: Ms. Lee Boles

ALBERTVILLE
ANDALUSIA
AUBURN
DOTHAN
GADSDEN
HOOVER
HUNTSVILLE

ALABAMA TANK TRUST FUND
UNDERGROUND STORAGE TANK

REVISED MODIFIED CORRECTIVE ACTION PLAN
(CP #49)

Eaves Grocery
20420 Upper Fort Hampton Road
Elkmont, Limestone County, Alabama
Facility ID # 15310-083-014463
UST No. 03-07-04

Prepared For:
Watkins Oil Company, Inc.
P.O. Box 649
Athens, Alabama 35612

Prepared By:
CDG Engineers & Associates, Inc.
612 Wheeler Ave.
Huntsville, AL 35801

December 3, 2015

CDG
Engineering. Environmental. Answers.

CERTIFICATION PAGE

"I certify under penalty of law that I am a geologist or registered professional engineer experienced in hydrogeologic investigations. The investigation was performed by a geologist(s) or registered engineer(s) experienced in hydrogeologic investigations. The information submitted herein, to the best of my knowledge and belief, is true, accurate, and complete. I am aware that there are significant penalties for submitting false information."

Signature
David C. Dailey
Registered Engineer in the State of Alabama
Registration No. 23095

12/2/15
Date

ALABAMA
LICENSED
No. 23095
PROFESSIONAL
ENGINEER
DAVID C. DAILEY

1.0 UST Release Fact Sheet & Site Classification Form

UST RELEASE FACT SHEET

GENERAL INFORMATION:

SITE NAME: Eaves Grocery
ADDRESS: 20420 Upper Fort Hampton Road
FACILITY I.D. NO.: 15310-083-014463
UST INCIDENT NO.: UST03-07-04

RESULTS OF EXPOSURE ASSESSMENT:

How many private drinking water wells are located within 1,000 ft. of the site?	Three
How many public water supply wells are located within 1 mile of the site?	None
Have any drinking water supply wells been impacted by contamination from this release?	No
Is there an imminent threat of contamination to any drinking water wells?	( ) Yes (X) No
Have vapors or contaminated groundwater posed a threat to the public?	( ) Yes (X) No
Are any underground utilities impacted or imminently threatened by the release?	(X) Yes ( ) No
Have surface waters been impacted by the release?	( ) Yes (X) No
Is there an imminent threat of contamination to surface waters?	( ) Yes (X) No
What is the type of surrounding population?	Commercial/ Residential/ Agricultural

CONTAMINATION DESCRIPTION:

Type of contamination at site:	(X) Gasoline, ( ) Diesel, ( ) Waste Oil ( ) Kerosene, ( ) Other_____

Free Product present in wells?	( ) Yes (X) No

Maximum TPH concentrations measured in soil: 132 mg/kg (during closure)

Maximum BTEX or PAH concentrations measured in groundwater in mg/l: MW-10 (11/03/05) Benzene: 17 Toluene: 28 Ethylbenzene: 4 Xylenes: 12 MTBE: 7.9 Naphthalene: 1.2

ADEM UST Form - 001 (04/22/93)

ADEM GROUNDWATER BRANCH
UST SITE CLASSIFICATION SYSTEM
CHECKLIST

Please read all of the following statements and mark either yes or no if the statement applies to your site. If you have conducted a Preliminary or Secondary Investigation, all questions should be answered. Closure site assessment reports may not provide you with all the necessary information, but answer the statements with the knowledge obtained during the closure site assessment.

SITE NAME: Eaves Grocery
SITE ADDRESS: 20420 Upper Fort Hampton Road
Elkmont, Limestone County, Alabama

FACILITY I.D. NO.: 15310-083-014463
UST INCIDENT NO.: UST #03-07-04

OWNER NAME: Lee Boles
OWNER ADDRESS: 1809 Highway 72 East
Athens, Alabama 35611

NAME & ADDRESS OF PERSON COMPLETING THIS FORM: Michael D. Kotar
CDG Engineers & Associates, Inc.
612 Wheeler Avenue
Huntsville, AL 35801

CLASSIFICATION	*DESCRIPTION*	*YES*	*NO*
CLASS A	IMMEDIATE THREAT TO HUMAN HEALTH, HUMAN SAFETY OR SENSITIVE ENVIRONMENTAL RECEPTOR		
A.1	Vapor concentrations at or approaching explosive levels that could cause health effects, are present in a residence or building.	☐	☒
A.2	Vapor concentrations at or approaching explosive levels are present in subsurface utility system(s), but no buildings or residences are impacted.	☐	☒
CLASS B	IMMEDIATE THREAT TO HUMAN HEALTH, HUMAN SAFETY OR SENSITIVE ENVIRONMENTAL RECEPTOR		
B.1	An active public water supply well, public water supply line, or public surface water intake is impacted or immediately threatened.	☐	☒
B.2	An active domestic water supply well, domestic water supply line or domestic surface water intake is impacted or immediately threatened.	☐	☒
B.3	The release is located within a designated Wellhead Protection Area I.	☐	☒
CLASS C	IMMEDIATE THREAT TO HUMAN HEALTH, HUMAN SAFETY OR SENSITIVE ENVIRONMENTAL RECEPTOR		
C.1	Ambient vapor/particulate concentrations exceed concentrations of concern from an acute exposure, or safety viewpoint.	☐	☒
C.2	Free product is present on the groundwater, at ground surface, on surface water bodies, in utilities other than water supply lines, or in surface water runoff.	☐	☒

CLASSIFICATION	DESCRIPTION	YES	NO
CLASS D	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
D.1	There is a potential for explosive levels, or concentrations of vapors that could cause acute effects, to accumulate in a residence or other building.	☐	☒
D.2	A non-potable water supply well is impacted or immediately threatened.	☐	☒
D.3	Shallow contaminated surface soils are open to public access, and dwellings, parks, playgrounds, day care centers, schools or similar use facilities are within 500 feet of those soils.	☐	☒
CLASS E	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
E.1	A sensitive habitat or sensitive resources (sport fish, economically important species, threatened and endangered species, etc.) are impacted and affected.	☐	☒
CLASS F	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
F.1	Groundwater is impacted and a public well is located within 1 mile of the site.	☐	☒
F.2	Groundwater is impacted and a domestic well is located within 1,000 feet of the site.	☒	☐
F.3	Contaminated soils and/or groundwater are located within designated Wellhead Protection Areas (Areas II or III).	☐	☒
CLASS G	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
G.1	Contaminated soils and/or groundwater are located within areas vulnerable to contamination from surface sources.	☐	☒
GLASS H	SHORT TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
H.1	Impacted surface water, stormwater or groundwater discharges within 500 feet of a surface water body used for human drinking water, whole body water-contact sports, or habitat to a protected or listed endangered plant and animal species.	☐	☒
CLASS I	LONG TERM THREAT TO HUMAN HEALTH, SAFETY, OR SENSITIVE ENVIRONMENTAL RECEPTORS		
I.1.	Site has contaminated soils and/or groundwater but does not meet any of the above mentioned criteria.	☐	☒

ADDITIONAL COMMENTS:

Complete the classification evaluation questions listed above. Upon completion, determine the highest rank of the site (A.1 is the highest rank) based on the statements answered with a yes.

Enter the determined classification ranking:	F.2

ADEM GROUNDWATER BRANCH
SITE CLASSIFICATION CHECKLIST
(5/8/95)

2.0 Introduction

The Alabama Department of Environmental Management (ADEM) approved, in correspondence dated June 11, 2015, Cost Proposal No. 49 for the development of a Modified Corrective Action Plan (CAP) at the Eaves Grocery Site. Additional information was requested by the Department in a letter dated November 3, 2015.

The Eaves Grocery Site is located at 20420 Upper Ft. Hampton Road, in Elkmont, Limestone County, Alabama. More specifically, the site is located in the southwest ¼ of the southeast ¼ of Section 28, Township 1 South, Range 4 West, on the U.S. Geological Survey (USGS) Elkmont, Quadrangle, 7.5 minute topographic map at 34° 56' 7.6" north latitude, 86° 57' 3.0" west longitude. The subject site is currently used as a gasoline service station and convenience store. A topographic map identifying the general location of the site and a Site Diagram can be found in Appendix A.

In the Groundwater Monitoring and High Resolution Study Report dated May 15, 2015, CDG recommended using the High Resolution Study to develop a Modified Corrective Action Plan that targets contamination found at the specific locations and depths east and north of the site. ADEM agreed with this recommendation in a letter dated May 18, 2015 and requested the development of a Modified Corrective Action Plan. Cost Proposal No. 49 for A Modified Corrective Action Plan Development was approved by the ADEM in a letter dated June 11, 2015. Revisions were requested by the ADEM in a letter dated November 3, 2015.

3.0 Summary of Previous Investigations and Activities

The study site consists of a retail gasoline service station and convenience store with a deli. The site formerly dispensed gasoline from one (1) 2,000-gallon UST and diesel from one (1) 1,000-gallon UST. On May 7, 2003, Moore Geological Consulting of Northport, Alabama initiated UST closure activites for these USTs, the results of which are provided in the Closure Assessment Report dated May 27, 2003. The 2,000-gallon and 1,000-gallon USTs were closed in place. The site currently uses one (1) gasoline UST and one (1) diesel UST, which were installed in May 2003 as replacement tanks for the two (2) tanks closed in place.

As a result of the UST closure findings, ADEM required that a Preliminary Investigation be conducted. A Notification of Requirement (NOR) to Conduct Investigative and Corrective Actions, a Notice of Alabama Tank Trust Fund (ATTF) Eligibility letter, and a Pre-Approval of ATTF CP No. 1 for Preliminary Investigative Activities letter, dated July 25, 2003, were sent to the site owner, Mr. James Watkins. QORE performed the Preliminary Investigation fieldwork between August 21 and September 11, 2003. The findings of the Preliminary Investigation are summarized in the report dated October 17, 2003.

QORE submitted a Free Product Recovery Plan and a Secondary Investigation Plan, along with CP No. 2 and No. 3, for the site on November 14, 2003. The ADEM approved the plans and cost proposals on January 14, 2004. QORE performed the Mobile Enhanced Multi-Phased Extraction (MEME) event at the site on January 27, 2004. The work performed and findings are presented in QORE's report dated March 1, 2004. The findings of the Secondary Investigation are presented in QORE's report dated May 7, 2004.

Upon review of the Secondary Investigation Report, the ADEM issued a letter dated July 20, 2004 requiring an Additional Secondary Investigation Plan for the purpose of delineating the lateral extent of dissolved hydrocarbons along with the removal of free product by MEME. This report was submitted to the ADEM on May 31, 2005. The

ADEM also requested a Pilot Study, an Alabama Risk-Based Corrective Action (ARBCA) Tier I/II Assessment, and Corrective Action Plan (CAP) for the site (CP No. 5, 6, & 7, respectively). The Phase II Secondary Investigation was performed during April and May 2005. The results of the investigation are presented in QORE's report dated May 31, 2005. The Pilot Study was performed in May 2005 and the report was submitted to the ADEM on June 24, 2005. The original CAP was submitted to the ADEM in a report dated August 12, 2005.

QORE performed an ARBCA Tier I/II Assessment for the subject site. The assessment was submitted to the ADEM on August 9, 2005. The ADEM issued a letter dated October 25, 2005 accepting the Alternative Corrective Action Limits (ACALs) as submitted with one modification. The modification changed the distance to the Point of Exposure (POE) to 85 ft due to the existing private well onsite, and the possibility that a private well could be installed across Upper Fort Hampton Road on the vacant lot.

The ADEM requested three Mobile Enhanced Multi-Phased Extraction (MEME) events (CP No. 8, 9, & 10) at the site during the May 11, 2005 phone conversation with Ben Fortson. Additionally during the phone conversation, the ADEM issued a requirement for three new monitoring wells to be installed and continued tri-annual groundwater monitoring at the site until the CAP could be implemented. The plan and cost proposals for this work were approved by the ADEM on September 23, 2005. The results for CPs No. 8, 9, and 10 were included in the reports dated November 18, 2005, January 5, 2006, and January 25, 2006, respectively.

The CAP and CPs No. 11, 12 and 13 were submitted to the ADEM on June 9, 2005 and approved on September 23, 2005. CP No. 11 included the installation of monitoring wells MW-28, MW-29, and MW-30. QORE initially proposed the installation of these monitoring wells to further delineate the lateral extent of petroleum hydrocarbon migration. These monitoring wells were installed on November 2, 2005 as part of the initial cost proposal. Analytical data was received from Environmental Science Corporation (ESC) on November 14, 2005. The analyses for samples taken during the installation indicated detections for one or more of the chemicals of concern, and thus left

the lateral extent of the hydrocarbon plume undefined. QORE submitted an addendum to CP No. 11 on November 21, 2005 to install four additional monitoring wells (MW-31, MW-32, MW-33, and MW-34). The results were included in the report dated January 23, 2006.

The additional wells installed under the addendum to CP No. 11 indicated detections for one or more chemicals of concern, and the lateral extent of the hydrocarbon plume remained undefined. An addendum for CP No. 12 was submitted on January 23, 2006, and approved on January 26, 2006. The addendum included the cost for the installation of four additional monitoring wells (MW-35, MW-36, MW-37, and MW-38) in an attempt to define the plume. The results were included in QORE's report dated May 12, 2007.

In a letter dated February 2, 2006, the ADEM authorized emergency funds for free product recovery. The free product recovery was performed under CP No. 20. The event consisted of a single three day event performed on March 13 through March 16, 2006. The results of the free product recovery event were included in a report dated April 6, 2006.

In a letter dated March 28, 2006, the ADEM issued a letter requiring revisions to the August 12, 2005 Corrective Action Plan and associated October 18, 2005 cost proposals. These revisions were issued to the ADEM in the Revised CAP dated July 28, 2006. CPs No. 14 through 19 were revised on September 11, 2006, and again on November 10, 2006 per ADEM's directive to reduce costs. The CAP and cost proposals were approved by the ADEM in a letter dated December 7, 2006.

CP No. 14 was for the purchase of a Dual Phase Extraction (DPE) System. This system was delivered to the site on April 12, 2007, and the DPE System Purchase Report was issued to the ADEM in a letter dated April 24, 2007. The system installation and start-up was performed under CP No. 15 and details are presented in QORE's report dated August 20, 2006. The system was run for approximately 6.5 years before being shut off on approximately November 30, 2013 to test for rebound.

4.0 Summary of Previously Conducted Corrective Action

Mobile Enhanced Multiphase Extraction (MEME) Events were performed on January 27, 2004, November 8, 2005, November 29, 2005, and January 3, 2006. The results of these events can be found in the QORE reports dated March 1, 2004, November 18, 2005, December 22, 2005, and January 25, 2006, respectively. An emergency MEME was performed under CP No. 20 as required by the ADEM in a letter dated February 2, 2006. This three day MEME event was performed on March 13-16, 2006, and the details are presented in a report dated April 6, 2006.

The dual-phase extraction system was brought online on May 18, 2007 and shut down on approximately November 30, 2013 as instructed by ADEM.

As approved by the ADEM on December 5, 2011, CDG installed two, 4-inch recovery wells in the vicinity of MW-19 and MW-21. Two, 8-hour MEME events were performed on these wells on January 30, 2012 and February 15, 2012 during Eighteenth Quarter O&M activities. One 8-hour MEME event was performed on these wells on November 14, 2012 during Twenty-First Quarter O&M activities. One 8-hour MEME event was performed on these wells on February 12, 2013 during the Twenty-Second Quarter O&M activities.

5.0 Proposed Remediation Methods

This Modified CAP proposes the injection of a chemical oxidant solution into the subsurface in order to reach the remediation goals for the Eaves Grocery site. CDG has contacted ExoTech, Inc. who proposes treatment of an approximate 3,000 square foot (ft^2) area. Based on their evaluation of site conditions along with site specific data collected by Columbia Technologies and presented in the CDG report dated May 15, 2015, ExoTech recommends a treatment plan that can be broken down as follows:

- Installation of -18- injection wells in the treatment area to an approximate depth of 20 ft. below ground surface (bgs) using 10 foot screens. As reported in the Columbia Technologies High Resolution Site Evaluation Report the Laser Induced Fluorescence (LIF) borings were initially installed along the northern and eastern site boundaries as the groundwater flow at the subject site appears to be in a northerly and easterly direction. Once the northern and southern edge of the plume was determined on the eastern side of the site boundary with LIF-07R through LIF-12, three more lines of three LIF borings each were installed stepping approximately 50 feet further east each time. The first line of LIF borings installed east of the subject site were comprised of LIF-19 through LIF-21, followed by another line consisting of LIF-25 through LIF-27, followed by LIF-28 through LIF-30. These borings established a triangular shaped plume that consisted of approximately LIF-08, LIF-09, LIF-10 and LIF-11 to the west then tapering down as it moves to the east by LIF-19, LIF-23, LIF-25 and LIF-26. The contamination in this area consistently ranged from approximately 10 to 15 feet below ground surface. CDG has included a Site Diagram with Proposed Injection Well in Appendix A. This map contains a contour of the maximum Reference Emitter (RE) percent signal found at each of the Columbia Technologies LIF sampling points. The Site Diagram with Maximum LIF Signal included in Appendix A depicts the maximum signal and depth at which the maximum signal was found at each LIF sampling location.

- Injection of a solution of activated sodium persulfate to treat the groundwater.

According to ExoTech, Inc. the basic oxidation reaction for sodium persulfate involves the release of sulfate radicals and is generally described as follows:

$S_2O_8^{-2}$ + activator $\rightarrow$ SO^{4-} + (SO^{4-} or SO_4^{-2})

where $S_2O_8^{-2}$ is the persulfate ion, SO_4 is the sulfate radical, and SO_4^{-2} is the sulfate anion.

Activators in the equation include transition metal catalysts, pH adjusters, heat, etc. Oxidation reactions involving the sulfate radical result in by-products of carbon dioxide, water, and benign sulfate salts.

6.0 Rationale for Selection of Remedial Method

The objective of this Modified CAP is to reduce dissolved hydrocarbons to concentrations less than Site Specific Target Levels (SSTLs). The SSTLs are based on the protection of groundwater. Per ARBCA guidance, the Groundwater Resource Protection (GRP) SSTLs are determined assuming no decay and assume a point of exposure of approximately 530 feet from the source. SSTLs were exceeded for benzene in MW-4, MW-7, MW-17, MW-19, MW-21, EW-45, EW-49 and EW-50; and benzene and MTBE in MW-3, MW-9 and EW-44 during the most recent sampling event conducted on August 3 & 4, 2015.

Several technologies, including RNA, Multi-Phase Extraction (MPE), excavation, and ISCO were considered for remediation of the dissolved hydrocarbon plume. A MPE system was operated onsite and was effective at reducing areas to below SSTLs. However, an area north of the subject site and east of the subject site still contain chemicals of concern above SSTLs. Based on a High Resolution Site Evaluation by Columbia Technologies, the contamination in these two areas appears to be located approximately 10 to 20 feet bgs. These areas appear to be outside the area of influence of the onsite remediation system. The system was turned off to test for natural attenuation and to check for rebound of chemicals of concern.

Although RNA may be occurring at the site, dissolved hydrocarbon concentrations have remained above SSTLs in the areas north and east of the site. Active remediation is required in order to decrease chemicals of concern below the SSTLs in a timely manner.

Although the onsite MPE system was originally a viable technology for the Eaves Grocery site, the locations of the two remaining areas of concern would make extraction difficult using the existing extraction system due to the distance from the extraction system to these areas and that the area north of the subject site is separated from the subject site by Upper Fort Hampton Road. Based on the low concentrations, the two separate areas of contamination and costs associated with using the MPE system or

individual MEME events, MPE technology would not be a cost effective means of further remediation for the site.

Of these technologies, ISCO has been considered the most cost effective and timely clean-up technology for this site. ISCO should greatly accelerate the rate of natural attenuation of dissolved hydrocarbons at the site.

7.0 ISCO Activities

Chemical Injection Point Installation

It is recommended that eighteen injection points be installed at the site, clustered in two areas. ExoTech recommends installing 6 wells north of Upper Fort Hampton Road and 12 wells east of the subject site. Each of the injection points will be installed to an approximate depth of 20 ft-bgs using direct-push technology. The locations of the proposed injection wells are shown on the Proposed Injection Wells Location Map in Appendix A.

Chemical Injection Activities

Following the installation of the new wells, injection of a sodium persulfate solution (activated with sodium hydroxide) will be performed into the newly installed injection wells. Due to the varying concentrations from the on-site wells and the off-site wells, a different concentration will be injected in the two areas. In the area north of Upper Fort Hampton Road a total of -220- pounds of sodium persulfate will be dissolved into approximately -100- gallons of water and injected into each of the -6- wells. In the area east of the subject site a total of -330- pounds of sodium persulfate will be dissolved into approximately -100- gallons of water and injected into each of the -12- wells. A total of -1,320- pounds of sodium persulfate will be injected into the area north of the subject site and a total of -3,960- pounds of sodium persulfate will be injected into the area east of the subject site. This will require 3 days to complete depending upon site conditions.

Chemical delivery during injection will be provided using ExoTech's truck mounted mobile injection vehicle(s) equipped with mounted high speed mixing tanks, chemical compatible pumps, and safety equipment. Due to the inherent danger in handling and injecting chemicals, ExoTech personnel will wear modified level C PPE, including skin, face, and respiratory protection, at all times and will limit un-authorized access to the work area.

8.0 Groundwater Monitoring Activities

Following the completion of the ISCO activities, CDG will implement an RNA monitoring program. As part of RNA activities, a groundwater monitoring event will be conducted once per quarter to evaluate the biodegradation of dissolved hydrocarbons. CDG recommends that a comprehensive sampling event that includes all site monitoring wells be conducted during the fourth quarter.

Prior to sample collection, the depth to groundwater will be measured using an oil/water interface probe. Each monitoring well will be purged using clean plastic disposable bailers. Approximately three (3) well volumes will be removed from each well.

Samples will be collected using clean plastic disposable bailers and shipped in laboratory supplied 40-mL vials preserved with hydrochloric acid (HCl). The samples will be placed on ice and transported, under chain of custody protocol, to the ESC Lab Sciences in Mt. Juliet, TN for analysis of BTEX/MTBE/Naphthalene in accordance with EPA method 8260B. Prior to injection activities, CDG will obtain an Underground Injection Control Permit from ADEM. To comply with the permit, the ADEM will likely require initial and then quarterly samples of water quality for Iron, Chloride, Sodium and Sulfate. However, the number of monitoring wells to be sampled will be determined by ADEM as part of the UIC permitting process. An addendum will be submitted once the monitoring requirements are established.

Corrective action activities will be reported on a quarterly basis. A summary of the corrective action activities for each quarter will be submitted using the ADEM natural attenuation monitoring report (NAMR) forms. The reports will also provide groundwater monitoring data including: a summary of historical groundwater analyses, a summary of historical groundwater level measurements, a potentiometric map, a groundwater constituent concentration map, a bio-parameter map, sampling records, ADEM forms, a laboratory report, and a discussion of the work performed and findings.

9.0 Proposed Reporting Requirements

CDG will submit reports in accordance with ADEM requirements. These reports will include the following:

Reporting of Natural Attenuation Monitoring Report (NAMR)

CDG proposes to submit quarterly NAMR reports, which will summarize field activities and the progress of the biodegradation towards achieving site specific target levels.

Request for Closure Evaluation of Corrective Action

This report will include data that shows that remediation goals have been achieved and request No Further Action (NFA) status. Methods for removal of equipment and abandonment of monitoring and recovery wells will be described.

Site Closure Report

This report will describe in detail the closure of the site and removal of all remediation equipment.

10.0 ***Schedule of Implementation***

Prior to the injection of the ISCO materials, an approved Underground Injection Control (UIC) Permit will be required. Field activities for the ISCO treatment will be initiated within 30 days after approval of the UIC Permit Application. The injection activities will be conducted during one application. It is anticipated that the injection activities will take approximately 3 days. Quarterly sampling will continue throughout corrective action activities for a period of one year.

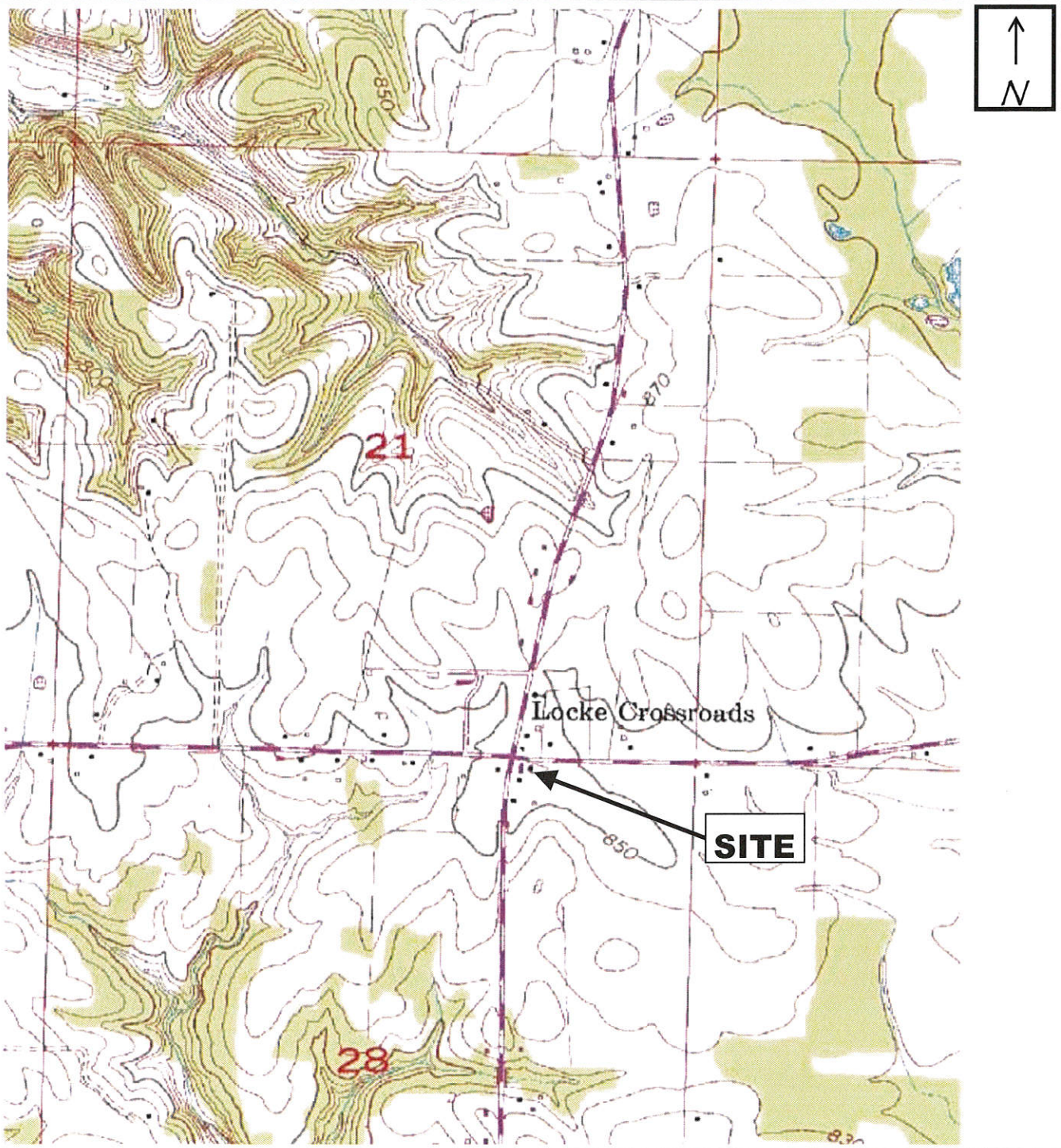
Under separate cover, CDG is submitting to ADEM a cost proposal to prepare and submit a UIC permit, and Corrective Action Plan Implementation.

11.0 References

CDG Engineers & Associates, Inc., September 2014; **Corrective Action Twenty-Eighth Quarter Natural Attenuation with Tier II Recalculation Report**, Eaves Grocery, Elkmont, Alabama.

CDG Engineers & Associates, Inc., May 2015; **Groundwater Monitoring and High Resolution Study Report**, Eaves Grocery, Elkmont, Alabama.

Appendix A
Site Characterization



CDG

Engineering. Environmental. Answers.

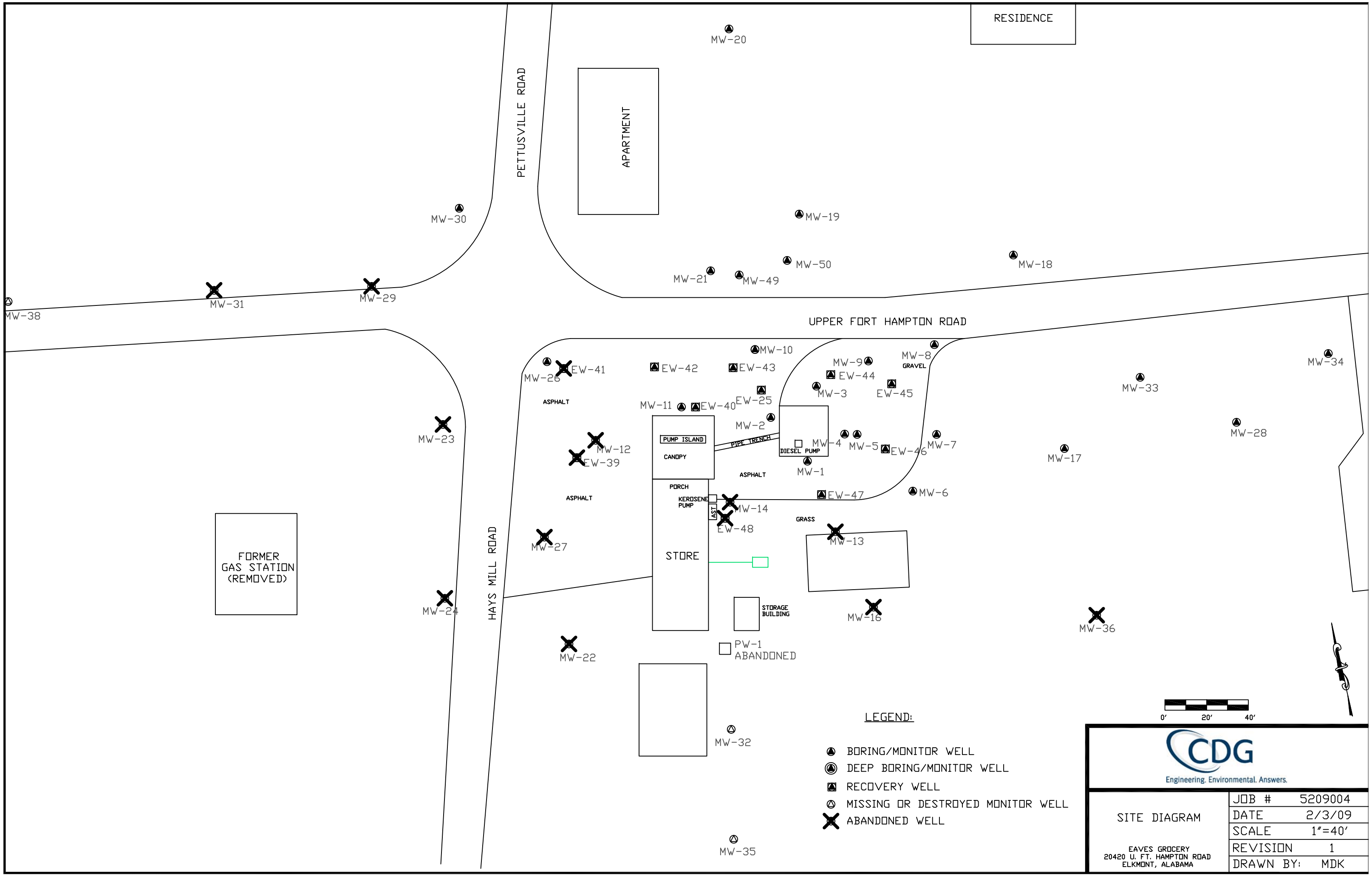
Huntsville, Alabama

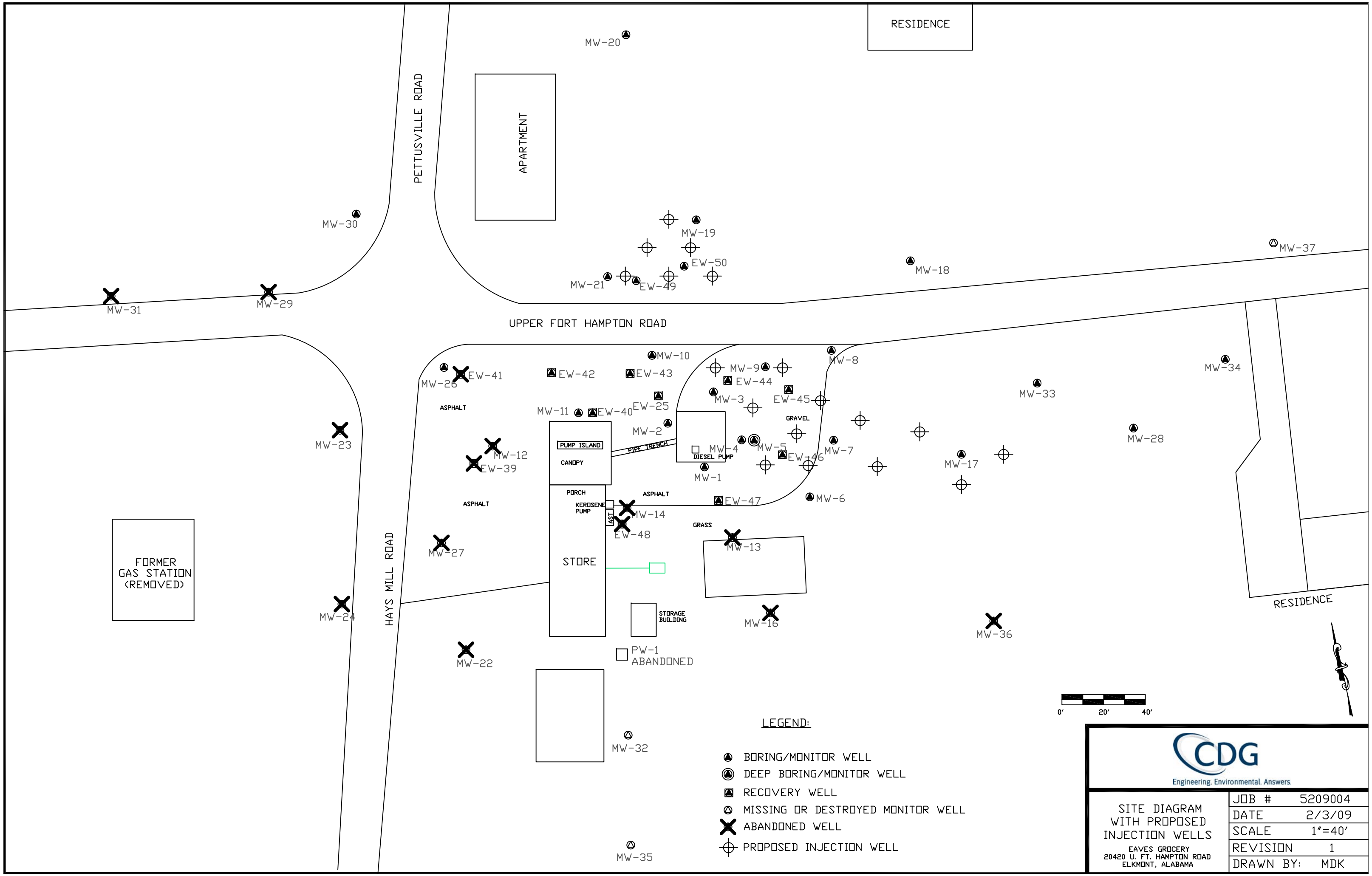
AREA TOPOGRAPHIC MAP

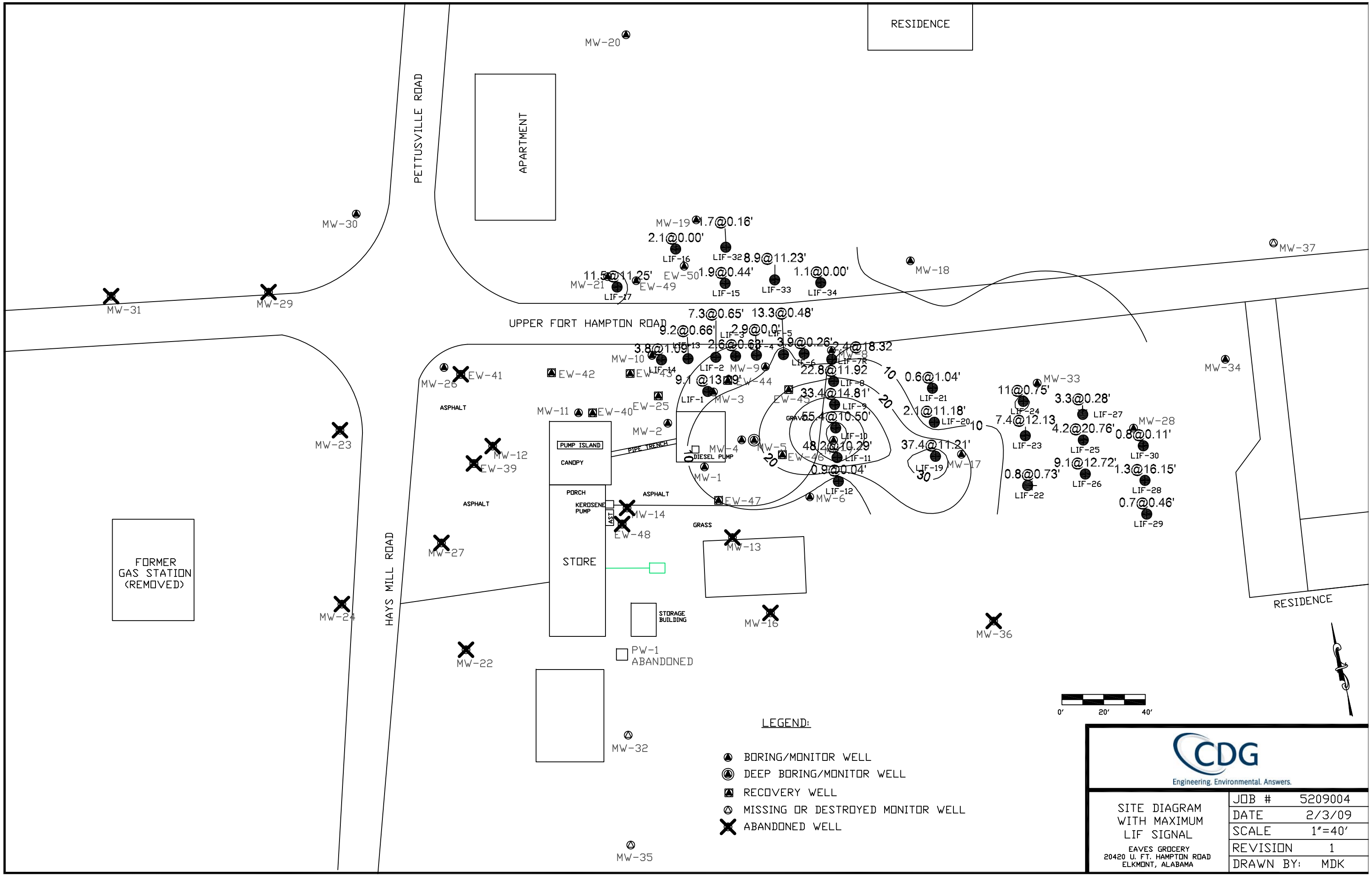
Eaves Grocery

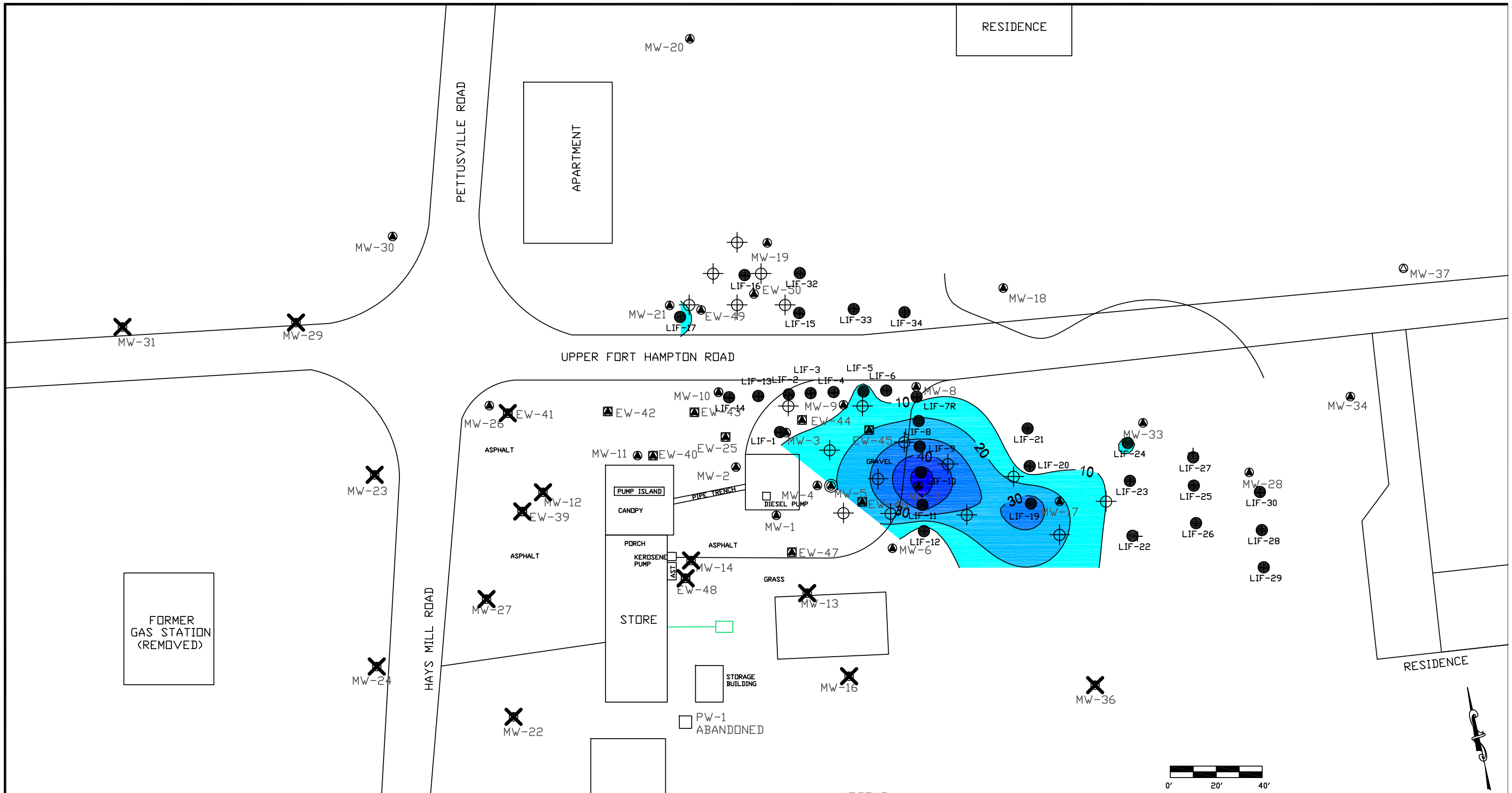
20420 Upper Fort Hampton Road

Elkmont, Limestone County, Alabama


RESIDENCE
MW-20
PETTUSVILLE ROAD
APARTMENT
MW-30
MW-19
MW-50
MW-18
MW-21
MW-49
MW-31
MW-29
MW-38
UPPER FORT HAMPTON ROAD
MW-10
MW-9
MW-8
GRAVEL
MW-34
MW-26
EW-41
EW-42
EW-43
EW-44
MW-3
EW-45
MW-33
ASPHALT
MW-11
EW-40
EW-25
MW-2
MW-28
MW-23
PUMP ISLAND
CANOPY
PIPE TRENCH
DIESEL PUMP
MW-4
MW-5
EW-46
MW-7
MW-12
EW-39
MW-1
MW-17
ASPHALT
PORCH
KEROSENE PUMP
AST
EW-47
MW-6
MW-14
EW-48
GRASS
ASPHALT
MW-27
MW-13
STORE
FORMER GAS STATION (REMOVED)
HAYS MILL ROAD
MW-24
STORAGE BUILDING
MW-16
MW-36
MW-22
PW-1 ABANDONED
MW-32
MW-35
0'
20'
40'
LEGEND:
BORING/MONITOR WELL
DEEP BORING/MONITOR WELL
RECOVERY WELL
MISSING OR DESTROYED MONITOR WELL
ABANDONED WELL
CDG
Engineering. Environmental. Answers.
SITE DIAGRAM
EAVES GROCERY
20420 U. FT. HAMPTON ROAD
ELKMONT, ALABAMA
JOB # 5209004
DATE 2/3/09
SCALE 1"=40'
REVISION 1
DRAWN BY: MDK


RESIDENCE
MW-20
APARTMENT
PETTUSVILLE ROAD
MW-30
MW-19
EW-50
MW-21
EW-49
MW-18
MW-37
MW-31
MW-29
UPPER FORT HAMPTON ROAD
MW-10
MW-26
EW-41
EW-42
EW-43
MW-9
EW-44
MW-8
MW-34
MW-33
ASPHALT
MW-11
EW-40
EW-25
MW-3
EW-45
GRAVEL
MW-2
MW-23
PUMP ISLAND
CANOPY
PIPE TRENCH
MW-4
DIESEL PUMP
MW-5
EW-46
MW-7
MW-28
MW-12
EW-39
MW-1
MW-17
PORCH
ASPHALT
EW-47
MW-6
KEROSENE PUMP
AST
MW-14
EW-48
GRASS
MW-13
MW-27
STORE
FORMER GAS STATION (REMOVED)
HAYS MILL ROAD
MW-24
STORAGE BUILDING
MW-16
MW-36
RESIDENCE
MW-22
PW-1 ABANDONED
MW-32
MW-35
0'
20'
40'
LEGEND:
BORING/MONITOR WELL
DEEP BORING/MONITOR WELL
RECOVERY WELL
MISSING OR DESTROYED MONITOR WELL
ABANDONED WELL
PROPOSED INJECTION WELL
CDG
Engineering. Environmental. Answers.
SITE DIAGRAM WITH PROPOSED INJECTION WELLS
EAVES GROCERY
20420 U. FT. HAMPTON ROAD
ELKMONT, ALABAMA
JOB # 5209004
DATE 2/3/09
SCALE 1"=40'
REVISION 1
DRAWN BY: MDK


RESIDENCE
APARTMENT
PETTUSVILLE ROAD
UPPER FORT HAMPTON ROAD
HAYS MILL ROAD
FORMER GAS STATION (REMOVED)
RESIDENCE
STORE
PUMP ISLAND
CANOPY
PORCH
KEROSENE PUMP
DIESEL PUMP
PIPE TRENCH
ASPHALT
GRASS
GRAVEL
STORAGE BUILDING
PW-1 ABANDONED
MW-20
MW-30
MW-31
MW-29
MW-19
MW-21
MW-18
MW-37
MW-34
MW-33
MW-28
MW-10
MW-26
MW-11
MW-2
MW-12
MW-23
MW-4
MW-5
MW-1
MW-3
MW-9
MW-8
MW-17
MW-6
MW-14
MW-13
MW-27
MW-24
MW-16
MW-36
MW-22
MW-32
MW-35
EW-41
EW-42
EW-43
EW-44
EW-45
EW-25
EW-40
EW-39
EW-46
EW-47
EW-48
EW-49
EW-50
LIF-16
LIF-32
LIF-15
LIF-33
LIF-34
LIF-17
LIF-13
LIF-14
LIF-2
LIF-3
LIF-4
LIF-5
LIF-6
LIF-7R
LIF-8
LIF-1
LIF-9
LIF-10
LIF-11
LIF-12
LIF-21
LIF-20
LIF-24
LIF-23
LIF-25
LIF-27
LIF-26
LIF-22
LIF-30
LIF-28
LIF-29
LIF-19
2.1@0.00'
1.7@0.16'
8.9@11.23'
1.9@0.44'
1.1@0.00'
11.5@11.25'
7.3@0.65'
13.3@0.48'
9.2@0.66'
2.9@0.01'
3.8@1.09'
2.6@0.68'
3.9@0.26'
2.4@18.32
22.8@11.92
9.1@13.09'
33.4@14.81'
55.4@10.50'
48.2@10.29'
0.9@0.04'
0.6@1.04'
11@0.75'
3.3@0.28'
2.1@11.18'
7.4@12.13
4.2@20.76'
0.8@0.11'
37.4@11.21'
9.1@12.72'
1.3@16.15'
0.8@0.73'
0.7@0.46'
10
20
30
0'
20'
40'
LEGEND:
BORING/MONITOR WELL
DEEP BORING/MONITOR WELL
RECOVERY WELL
MISSING OR DESTROYED MONITOR WELL
ABANDONED WELL
CDG
Engineering. Environmental. Answers.
SITE DIAGRAM WITH MAXIMUM LIF SIGNAL
EAVES GROCERY
20420 U. FT. HAMPTON ROAD
ELKMONT, ALABAMA
JOB # 5209004
DATE 2/3/09
SCALE 1"=40'
REVISION 1
DRAWN BY: MDK

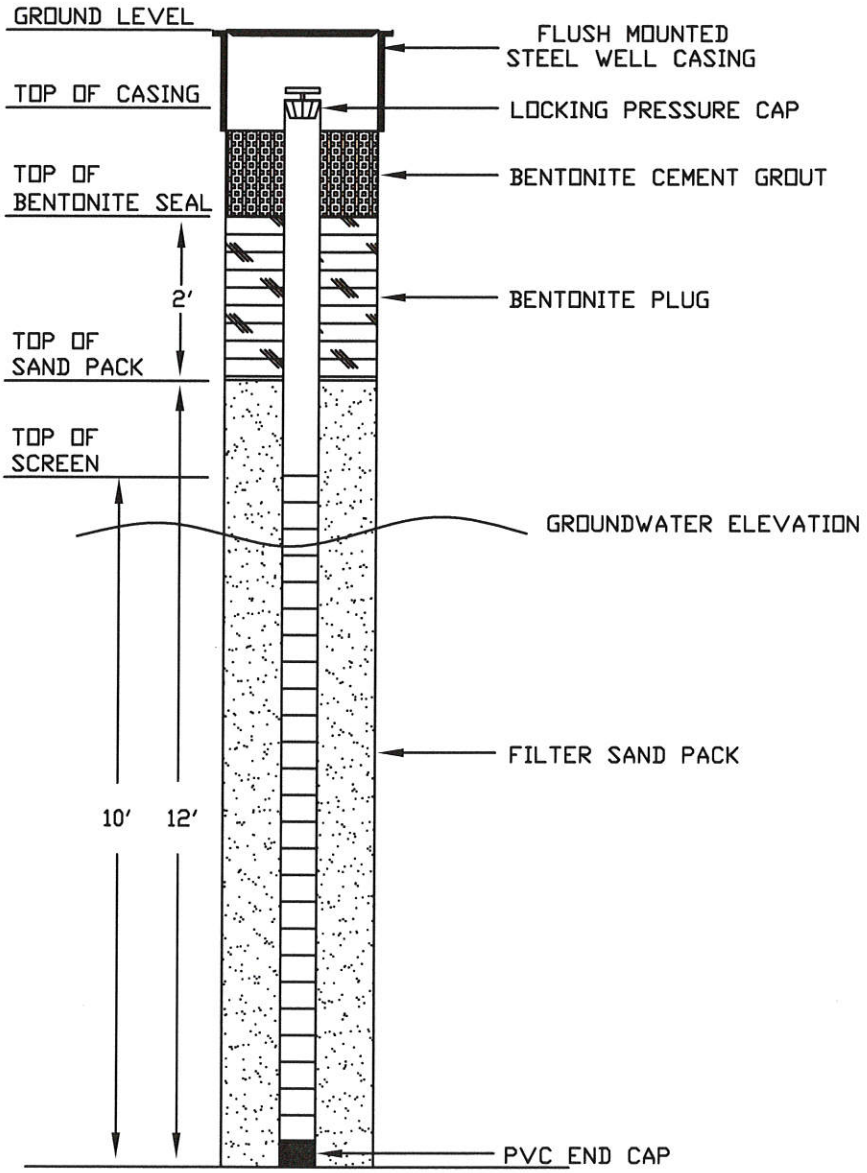


CDG
Engineering. Environmental. Answers.

PROPOSED INJECTION WELL LOCATION WITH MAX LIF SIGNAL CONTOUR EAVES GROCERY 20420 U. FT. HAMPTON ROAD ELKMONT, ALABAMA	JOB #	5209004
	DATE	2/3/09
	SCALE	1"=40'
	REVISION	1
	DRAWN BY:	MDK

PROPOSED
INJECTION/RECOVERY
WELL CONSTRUCTION DIAGRAM

TYPICAL
TYPE II-SHALLOW WELL



CDG

Engineering. Environmental. Answers.

Appendix B
Historical Groundwater Charts

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-1	859.08	9/11/2003	11.25	847.83	20.00
		4/2/2004	5.14	853.94	
		4/27/2005	5.66	853.42	
		11/3/2005	12.58	846.50	
		3/29/2006	5.75	853.33	
		8/17/2006	13.05	846.03	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	7.28	851.80	
		4/9/2008	9.71	849.37	
		9/30/2008	16.75	842.33	
		11/29/2010	14.61	844.47	
		2/17/2011	5.05	854.03	
		5/19/2011	5.33	853.75	
		8/24/2011	8.18	850.90	
		11/30/2011	6.23	852.85	
		2/20/2012	4.36	854.72	
		5/15/2012	9.74	849.34	
		8/14/2012	9.01	850.07	
		11/15/2012	7.15	851.93	
		2/15/2013	2.46	856.62	
		5/17/2013	2.43	856.65	
		8/23/2013	5.98	853.10	
		12/2/2013	6.51	852.57	
		2/14/2014	1.93	857.15	
		5/16/2014	2.91	856.17	
		8/26/2014	7.45	851.63	
		3/23/2015	NS	NS	
		8/3/2015	7.33	851.75	
MW-2	859.15	9/11/2003	11.57	848.08*	20.00
		4/2/2004	5.94	853.15*	
		4/27/2005	5.78	853.37	
		11/3/2005	15.65	845.34*	
		3/29/2006	6.05	853.10	
		8/17/2006	13.19	845.96	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	7.06	852.09	
		4/9/2008	14.80	844.35	
		6/27/2008	12.18	846.97	
		6/29/2009	9.21	849.94	
		10/13/2009	2.33	856.82	
		2/18/2010	3.41	855.74	
		5/19/2010	10.56	848.59	
		8/31/2010	15.42	843.73	
		11/29/2010	15.21	843.94	
		2/17/2011	NS	NS	
		11/30/2011	NS	NS	
		2/20/2012	NS	NS	
		5/15/2012	12.90	846.25	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2015	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	9.70	849.45	
		3/23/2015	NS	NS	
		8/3/2015	9.55	849.60	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-3	858.23	9/11/2003	10.48	847.77*	20.00
		4/2/2004	4.66	853.57	
		4/27/2005	4.71	853.66*	
		11/3/2005	14.90	844.69*	
		3/29/2006	5.17	853.06	
		8/17/2006	13.15	845.64*	
		7/25/2007	**	**	
		10/15/2007	DRY		
		1/24/2008	6.12	852.11	
		4/9/2008	11.20	847.03	
		6/27/2008	16.54	841.87*	
		6/29/2009	8.45	849.78	
		10/13/2009	1.75	856.48	
		2/18/2010	2.85	855.38	
		5/19/2010	9.78	848.45	
		8/31/2010	15.63	842.60	
		11/29/2010	15.93	842.30	
		2/17/2011	NS	NS	
		8/24/2011	9.85	848.38	
		11/30/2011	11.94	846.29	
		2/20/2012	6.88	851.35	
		5/15/2012	12.25	845.98	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2015	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	9.27	848.96	
		3/23/2015	1.71	856.52	
		8/3/2015	9.22	849.01	
MW-4	858.65	9/11/2003	10.93	847.72	20.00
		4/2/2004	4.09	854.56	
		4/27/2005	4.23	854.42	
		11/3/2005	12.88	845.77	
		3/29/2006	3.00	855.65	
		8/17/2006	12.80	845.85	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	6.52	852.13	
		4/9/2008	10.00	848.65	
		6/29/2009	8.30	850.35	
		10/13/2009	1.73	856.92	
		2/18/2010	2.70	855.95	
		5/19/2010	8.08	850.57	
		8/31/2010	14.49	844.16	
		11/29/2010	15.96	842.69	
		2/17/2011	5.41	853.24	
		5/19/2011	5.10	853.55	
		8/24/2011	NS	NS	
		11/30/2011	NS	NS	
		2/20/2012	NS	NS	
		5/15/2012	11.17	847.48	
		8/14/2012	10.78	847.87	
		11/15/2012	8.27	850.38	
		2/15/2013	2.79	855.86	
		5/17/2013	2.02	856.63	
		8/23/2013	6.53	852.12	
		12/2/2013	8.13	850.52	
		2/14/2014	1.63	857.02	
		5/16/2014	2.78	855.87	
		8/26/2014	8.43	850.22	
		3/23/2015	1.65	857.00	
		8/3/2015	8.26	850.39	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-5	858.77	4/2/2004	22.36	836.41	80.00
		4/27/2005	21.52	837.25	
		11/3/2005	27.00	831.77	
		3/29/2006	21.55	837.22	
		8/17/2006	27.66	831.11	
		7/25/2007	NM		
		10/15/2007	NM		
		1/24/2008	28.89	829.88	
		4/9/2008	20.14	838.63	
		6/29/2009	24.89	833.88	
		5/15/2012	25.07	833.70	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	25.52	833.25	
		3/23/2014	NS	NS	
		8/3/2015	25.89	832.88	
MW-6	858.75	4/2/2004	3.07	855.68	20.00
		4/27/2005	2.98	855.77	
		11/3/2005	13.58	845.17	
		3/29/2006	4.45	854.30	
		8/17/2006	13.58	845.17	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	4.49	854.26	
		4/9/2008	1.42	857.33	
		11/29/2010	14.52	844.23	
		2/17/2011	NS	NS	
		5/15/2012	5.15	853.60	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	9.33	849.42	
		3/23/2014	NS	NS	
		8/3/2015	8.80	849.95	
MW-7	858.55	4/2/2004	3.84	854.71	20.00
		4/27/2005	3.82	854.73	
		11/3/2005	15.83	842.72	
		3/29/2006	3.60	854.95	
		8/17/2006	15.59	842.96	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	DRY		
		4/9/2008	Missing/Destroyed		
		5/15/2012	11.85	846.70	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	12.00	846.55	
		3/23/2015	1.47	857.08	
		8/3/2015	12.08	846.47	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-8	856.14	4/2/2004	3.94	852.20	20.00
		4/27/2005	Missing/Destroyed		
		11/3/2005	13.46	843.25*	
		3/29/2006	Missing/Destroyed		
		8/17/2006	Missing/Destroyed		
		7/25/2007	Missing/Destroyed		
		10/15/2007	Missing/Destroyed		
		1/24/2008	Missing/Destroyed		
		4/9/2008	Missing/Destroyed		
		5/15/2012	9.05	847.09	
		8/14/2012	11.26	844.88	
		11/15/2012	8.77	847.37	
		2/15/2013	5.03	851.11	
		5/17/2013	3.64	852.50	
		8/23/2013	NS	NS	
		12/2/2013	2.52	853.62	
		2/14/2014	2.12	854.02	
		5/16/2014	3.99	852.15	
		8/26/2014	NS	NS	
		3/23/2015	2.90	853.24	
		8/3/2015	9.35	846.79	
MW-9	857.01	4/2/2004	3.76	853.25	20.00
		4/27/2005	3.31	854.45*	
		11/3/2005	12.58	844.43	
		3/29/2006	3.65	853.36	
		8/17/2006	13.37	844.06*	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	5.40	851.61	
		4/9/2008	8.50	848.51	
		6/27/2008	15.85	841.16	
		6/29/2009	8.09	848.92	
		10/13/2009	0.67	856.34	
		2/18/2010	2.17	854.84	
		5/19/2010	9.08	847.93	
		8/31/2010	15.11	841.90	
		11/29/2010	15.67	841.34	
		2/17/2011	6.43	850.58	
		5/19/2011	8.02	848.99	
		8/24/2011	9.92	847.09	
		11/30/2011	9.65	847.36	
		2/20/2012	5.35	851.66	
		5/15/2012	13.15	843.86	
		8/14/2012	11.06	845.95	
		11/15/2012	9.04	847.97	
		2/15/2013	1.71	855.30	
		5/17/2013	1.68	855.33	
		8/23/2013	7.16	849.85	
		12/2/2013	10.86	846.15	
		2/14/2014	0.79	856.22	
		5/16/2014	2.90	854.11	
		8/26/2014	9.65	847.36	
		3/23/2015	0.95	856.06	
		8/3/2015	9.66	847.35	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-10	857.90	4/2/2004	4.97	852.93	20.00
		4/27/2005	4.85	853.05	
		11/3/2005	12.58	845.32	
		3/29/2006	4.84	853.06	
		8/17/2006	12.05	845.85	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	5.31	852.59	
		4/9/2008	13.57	844.33	
		6/27/2008	18.57	839.33	
		6/29/2009	8.00	849.90	
		10/13/2009	1.73	856.17	
		11/29/2010	17.98	839.92	
		2/17/2011	6.29	851.61	
		5/19/2011	10.72	847.18	
		8/24/2011	9.31	848.59	
		11/30/2011	10.57	847.33	
		2/20/2012	7.80	850.10	
		5/15/2012	12.70	845.20	
		8/14/2012	8.60	849.30	
		11/15/2012	7.75	850.15	
		2/15/2013	2.37	855.53	
		5/17/2013	1.87	856.03	
		8/23/2013	6.74	851.16	
		12/2/2013	8.21	849.69	
		2/14/2014	1.69	856.21	
		5/16/2014	2.98	854.92	
		8/26/2014	8.96	848.94	
		3/23/2015	NS	NS	
		8/3/2015	8.82	849.08	
MW-11	858.75	4/2/2004	6.10	852.65	20.00
		4/27/2005	6.03	852.72	
		11/3/2005	13.25	845.57*	
		3/29/2006	6.00	852.82*	
		8/17/2006	13.31	845.91*	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	6.65	852.10	
		4/9/2008	DRY		
		6/29/2009	9.09	849.66	
		10/13/2009	2.81	855.94	
		2/18/2010	3.76	854.99	
		5/19/2010	10.98	847.77	
		8/31/2010	13.41	845.34	
		11/29/2010	13.61	845.14	
		2/17/2011	6.85	851.90	
		5/16/2011	10.88	847.87	
		8/24/2011	10.27	848.48	
		11/30/2011	9.59	849.16	
		2/20/2012	8.06	850.69	
		5/15/2012	12.10	846.65	
		8/14/2012	8.40	850.35	
		11/15/2012	8.17	850.58	
		2/15/2013	3.36	855.39	
		5/17/2013	2.65	856.10	
		8/23/2013	7.35	851.40	
		12/2/2013	8.35	850.40	
		2/14/2014	2.76	855.99	
		5/16/2014	3.94	854.81	
		8/26/2014	9.62	849.13	
		3/23/2015	NS	NS	
		8/3/2015	9.50	849.25	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-12	858.03	4/2/2004	5.76	852.27	20.00
		4/27/2005	5.67	852.36	
		11/3/2005	12.83	845.20	
		3/29/2006	5.45	852.58	
		8/17/2006	11.90	846.13	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	6.13	851.90	
		4/9/2008	10.25	847.48	
		5/15/2012	10.15	847.88	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
MW-13	859.46	4/2/2004	3.98	855.48	20.00
		4/27/2005	3.94	855.52	
		11/3/2005	14.83	844.63	
		3/29/2006	4.35	855.11	
		8/17/2006	14.39	845.07	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	6.02	853.44	
		4/9/2008	Missing/Destroyed		
		5/15/2012	8.35	851.11	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
MW-14	859.23	4/2/2004	4.42	854.81	20.00
		4/27/2005	4.10	855.23*	
		11/3/2005	15.08	844.15	
		3/29/2006	4.59	854.64	
		8/17/2006	14.13	845.54*	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	7.45	851.78	
		4/9/2008	11.70	847.53	
		6/27/2008	17.78	841.45	
		11/29/2010	19.31	839.92	
		2/17/2011	NS	NS	
		5/15/2012	14.15	845.08	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-16	858.78	4/27/2005	3.30	855.48	20.00
		11/3/2005	DRY	DRY	
		3/29/2006	3.37	855.41	
		8/17/2006	15.86	842.92	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	5.71	853.07	
		4/9/2008	1.40	857.38	
		5/15/2012	8.09	850.69	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
MW-17	857.55	4/27/2005	6.20	851.35	20.00
		11/3/2005	15.38	842.17	
		3/29/2006	4.39	853.16	
		8/17/2006	15.89	841.66	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	14.05	843.50	
		4/9/2008	3.79	853.76	
		11/29/2010	16.94	840.61	
		2/17/2011	NS	NS	
		5/15/2012	12.02	845.53	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	11.72	845.83	
		3/23/2015	1.45	856.10	
		8/3/2015	14.40	843.15	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-18	855.19	4/27/2005	4.76	850.43	20.00
		11/3/2005	11.58	843.61	
		3/29/2006	3.38	851.81	
		8/17/2006	12.45	842.74	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	2.87	852.32	
		4/9/2008	0.90	854.29	
		11/29/2010	11.48	843.71	
		2/17/2011	NS	NS	
		5/15/2012	7.11	848.08	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	10.33	844.86	
		3/23/2015	NS	NS	
		8/3/2015	10.42	844.77	
MW-19	858.78	4/27/2005	5.77	853.01	20.00
		11/3/2005	14.75	844.03	
		3/29/2006	4.67	854.11	
		8/17/2006	15.10	843.68	
		7/25/2007	18.89	839.89	
		10/15/2007	DRY		
		1/24/2008	1.90	856.88	
		4/9/2008	2.60	856.18	
		6/27/2008	11.46	847.32	
		9/30/2008	17.01	841.77	
		11/29/2010	15.52	843.26	
		2/17/2011	NS	NS	
		8/24/2011	11.37	847.41	
		11/30/2011	8.45	850.33	
		2/20/2012	2.87	855.91	
		5/15/2012	10.69	848.09	
		8/14/2012	13.67	845.11	
		11/15/2012	10.11	848.67	
		2/15/2013	2.89	855.89	
		5/17/2013	3.28	855.50	
		8/23/2013	8.76	850.02	
		12/2/2013	11.43	847.35	
		2/14/2014	1.72	857.06	
		5/16/2014	3.97	854.81	
		8/26/2014	11.75	847.03	
		3/23/2015	2.25	856.53	
		8/3/2015	12.10	846.68	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-20	858.08	4/27/2005	4.36	853.72	20.00
		11/3/2005	12.00	846.08	
		3/29/2006	6.70	851.38	
		8/17/2006	11.29	846.79	
		7/25/2007	NM		
		10/15/2007	DRY		
		1/24/2008	2.65	855.43	
		4/9/2008	1.10	856.98	
		11/29/2010	6.43	851.65	
		2/17/2011	NS	NS	
		5/15/2012	5.28	852.80	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	8.40	849.68	
		3/23/2015	NS	NS	
		8/3/2015	9.28	848.80	
MW-21	857.80	4/27/2005	4.82	852.98	18.50
		11/3/2005	13.00	844.80	
		3/29/2006	3.65	854.15	
		8/17/2006	12.81	844.99	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	3.69	854.11	
		4/9/2008	6.20	851.60	
		6/27/2008	13.56	844.24	
		6/29/2009	8.66	849.14	
		10/13/2009	1.75	856.05	
		2/18/2010	2.32	855.48	
		5/19/2010	8.19	849.61	
		8/31/2010	14.70	843.10	
		11/29/2010	12.93	844.87	
		2/17/2011	4.72	853.08	
		5/19/2011	6.94	850.86	
		8/24/2011	9.57	848.23	
		11/30/2011	8.35	849.45	
		2/20/2012	4.17	853.63	
		5/15/2012	10.04	847.76	
		8/14/2012	9.89	847.91	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	9.30	848.50	
		3/23/2015	1.55	856.25	
		8/3/2015	9.39	848.41	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-22	858.06	4/27/2005	5.81	852.25	19.00
		11/3/2005	14.25	843.81	
		3/29/2006	4.92	853.14	
		8/17/2006	11.83	846.23	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	8.44	849.62	
		4/9/2008	1.29	856.77	
		5/15/2012	5.50	852.56	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
MW-23	855.60	4/27/2005	4.14	851.46	20.00
		11/3/2005	11.08	844.52	
		3/29/2006	3.71	851.89	
		8/17/2006	10.04	845.56	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	3.91	851.69	
		4/9/2008	1.05	854.55	
		11/29/2010	5.87	849.73	
		2/17/2011	NS	NS	
		5/15/2012	4.50	851.10	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
MW-24	855.80	4/27/2005	4.63	851.17	20.00
		11/3/2005	12.67	843.13	
		3/29/2006	3.33	852.47	
		8/17/2006	10.25	845.55	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	6.39	849.41	
		4/9/2008	1.00	854.80	
		2/17/2011	NS	NS	
		5/15/2012	5.08	850.72	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-25	858.09	4/27/2005	4.90	853.19	20.00
		11/3/2005	13.44	846.16	
		3/29/2006	5.00	853.09	
		8/17/2006	12.20	845.89	
EW-25	858.95	3/22/2007	8.66	850.29	20.00
		7/26/2007	14.98	843.97	
		10/15/2007	DRY		
		1/24/2008	DRY		
		4/9/2008	16.20	842.75	
		6/29/2009	8.31	850.64	
		10/13/2009	1.32	857.63	
		2/18/2010	2.91	856.04	
		5/19/2010	10.89	848.06	
		8/31/2010	16.87	842.08	
		5/15/2012	NM	NM	
		11/15/2012	NM	NM	
		2/15/2013	NM	NM	
		5/17/2013	NM	NM	
		8/23/2013	NM	NM	
		12/2/2013	NM	NM	
		2/14/2014	NM	NM	
		5/16/2014	NM	NM	
		8/26/2014	NM	NM	
		3/23/2015	NM	NM	
		8/3/2015	NM	NM	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-26	856.74	4/27/2005	4.13	852.61	20.00
		11/3/2005	11.33	845.41	
		3/29/2006	4.25	852.49	
		8/17/2006	10.83	845.91	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	4.31	852.43	
		4/9/2008	8.90	847.84	
		9/30/2008	14.60	842.14	
		6/29/2009	7.36	849.38	
		10/13/2009	1.64	855.10	
		2/18/2010	2.57	854.17	
		5/19/2010	7.63	849.11	
		8/31/2010	9.27	847.47	
		11/29/2010	10.45	846.29	
		2/17/2011	5.52	851.22	
		5/19/2011	13.42	843.32	
		8/24/2011	11.21	845.53	
		11/30/2011	7.62	849.12	
		2/20/2012	8.39	848.35	
		5/15/2012	11.35	845.39	
		11/15/2012	6.12	850.62	
		2/15/2013	2.62	854.12	
		5/17/2013	2.05	854.69	
		8/23/2013	6.09	850.65	
		12/2/2013	6.42	850.32	
		2/14/2014	2.03	854.71	
		5/16/2014	3.07	853.67	
		8/26/2014	7.61	849.13	
		3/23/2015	2.27	854.47	
		8/3/2015	7.87	848.87	
MW-27	856.86	4/27/2005	4.31	852.55	20.00
		11/3/2005	12.04	844.82	
		3/29/2006	4.51	852.35	
		8/17/2006	10.09	846.77	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	5.80	851.06	
		4/9/2008	5.20	851.66	
		9/30/2008	13.40	843.46	
		11/29/2010	9.65	847.21	
		2/17/2011	NS	NS	
		5/15/2012	7.01	849.85	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-28	856.35	11/3/2005	14.94	841.41	20.00
		3/29/2006	5.67	850.68	
		8/17/2006	15.51	840.84	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	13.61	842.74	
		4/9/2008	4.45	851.90	
		9/30/2008	16.62	839.73	
		5/15/2012	10.91	845.44	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	14.15	842.20	
		3/23/2015	NS	NS	
		8/3/2015	14.45	841.90	
MW-29	853.24	11/3/2005	10.12	843.12	20.00
		3/29/2006	2.75	850.49	
		8/17/2006	10.91	842.33	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	1.20	852.04	
		4/9/2008	1.50	851.74	
		5/15/2012	4.08	849.16	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-30	855.94	11/3/2005	12.27	843.67	20.00
		3/29/2006	4.39	851.55	
		8/17/2006	12.78	843.16	
		7/25/2007	NM		
		10/15/2007	DRY		
		1/24/2008	4.88	851.06	
		4/9/2008	1.95	853.99	
		11/29/2010	7.11	848.83	
		2/17/2011	NS	NS	
		5/15/2012	6.60	849.34	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	9.88	846.06	
		3/23/2015	NS	NS	
		8/3/2015	10.10	845.84	
MW-31	851.62	12/13/2005	2.87	848.75	20.00
		3/29/2006	1.82	849.80	
		8/17/2006	8.85	842.77	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	1.45	850.17	
		4/9/2008	0.60	851.02	
		5/15/2012	2.69	848.93	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
MW-32	857.95	12/13/2005	16.68	841.27	20.00
		3/29/2006	7.64	850.31	
		8/17/2006	NA	NA	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	7.21	850.74	
		4/9/2008	Missing/Destroyed		
		5/15/2012	NF	NF	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-33	856.18	12/13/2005	7.15	849.03	20.00
		3/29/2006	5.79	850.39	
		8/17/2006	14.68	841.50	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	11.64	844.54	
		4/9/2008	2.29	853.89	
		9/30/2008	16.62	839.56	
		11/29/2010	9.81	846.37	
		2/17/2011	NS	NS	
		5/15/2012	9.35	846.83	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	13.00	843.18	
		3/23/2015	NS	NS	
		8/3/2015	13.22	842.96	
MW-34	852.56	12/13/2005	4.24	848.32	20.00
		3/29/2006	3.30	849.26	
		8/17/2006	11.90	840.66	
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	7.99	844.57	
		4/9/2008	0.80	851.76	
		5/15/2012	6.88	845.68	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	9.85	842.71	
		3/23/2015	NS	NS	
		8/3/2015	10.05	842.51	
MW-35	856.52	3/29/2006	9.25	847.27	20.00
		8/17/2006	17.55	838.97	
		7/25/2007	NM		
		10/15/2007	DRY		
		1/24/2008	5.26	851.26	
		4/9/2008	Missing/Destroyed		
		5/15/2012	NF	NF	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
MW-36	856.33	3/29/2006	8.95	847.38	20.00
		8/17/2006	17.05	839.28	
		7/25/2007	NM		
		10/15/2007	DRY		
		1/24/2008	DRY		
		4/9/2008	3.89	852.44	
		5/15/2012	11.88	844.45	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
MW-37	851.24	3/29/2006	4.07	847.17	20.00
		8/17/2006	10.16	841.08	
		7/25/2007	NM		
		10/15/2007	DRY		
		1/24/2008	DRY		
		4/9/2008	Missing/Destroyed		
		5/15/2012	NF	NF	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
MW-38	846.61	3/29/2006	0.06	846.55	20.00
		8/17/2006	9.33	837.28	
		7/25/2007	NM		
		10/15/2007	DRY		
		1/24/2008	DRY		
		4/9/2008	Missing/Destroyed		
		5/15/2012	NF	NF	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
EW-39	857.45	3/22/2007	6.09	851.36	22.00
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	9.30	848.15	
		4/9/2008	8.81	848.64	
		5/15/2012	NS	NS	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
EW-40	858.66	3/22/2007	6.74	851.92	22.00
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	9.91	848.75	
		4/9/2008	15.69	842.97	
		5/15/2012	NS	NS	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
EW-41	856.73	3/22/2007	5.31	851.42	22.00
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	8.99	847.74	
		4/9/2008	10.95	845.78	
		5/15/2012	NS	NS	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
EW-42	857.33	3/22/2007	5.55	851.78	22.00
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	8.51	848.82	
		4/9/2008	14.55	842.78	
		5/15/2012	NS	NS	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
EW-43	857.74	3/22/2007	5.73	852.01	22.00
		7/25/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	10.95	846.79	
		4/9/2008	18.05	839.69	
		6/29/2009	8.17	849.57	
		10/13/2009	1.58	856.16	
		5/15/2012	NS	NS	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
EW-44	856.71	3/22/2007	8.50	848.21	22.00
		7/26/2007	14.50	842.21	
		10/15/2007	DRY		
		1/24/2008	10.02	846.69	
		4/9/2008	8.45	848.26	
		6/29/2009	7.03	849.68	
		10/13/2009	0.30	856.41	
		5/15/2012	NS	NS	
		8/4/2012	NS	NS	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	1.70	855.01	
		8/3/2015	NS	NS	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
EW-45	850.59	3/22/2007	8.56	842.03	22.00
		7/26/2007	14.80	835.79	
		10/15/2007	DRY		
		1/24/2008	10.56	840.03	
		4/9/2008	18.60	831.99	
		5/15/2012	NS	NS	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
EW-46	858.18	3/22/2007	12.65	845.53	22.00
		7/26/2007	16.10	842.08	
		10/15/2007	DRY		
		1/24/2008	9.62	848.56	
		4/9/2008	19.30	838.88	
		5/15/2012	NS	NS	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
EW-47	859.26	3/22/2007	5.92	853.34	22.00
		7/26/2007	18.52	840.74	
		10/15/2007	DRY		
		1/24/2008	8.24	851.02	
		4/9/2008	8.65	850.61	
		5/15/2012	NS	NS	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	

TABLE 3.1
SUMMARY OF GROUND WATER ELEVATIONS

MONITOR WELL NO.	TOC ELEV. (ft.)	DATE	DTW (TOC) (ft.)	GROUND WATER ELEV. (ft.)	TOTAL DEPTH OF WELL (ft.)
EW-48	859.05	3/22/2007	5.85	853.20	22.00
		7/26/2007	DRY		
		10/15/2007	DRY		
		1/24/2008	9.55	849.50	
		4/9/2008	17.02	842.03	
		5/15/2012	NS	NS	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	NS	NS	
		3/23/2015	NS	NS	
		8/3/2015	NS	NS	
MW-49	857.23	1/30/2012	1.44	855.79	20.00
		5/15/2012	9.85	847.38	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	8.75	848.48	
		3/23/2015	1.48	855.75	
		8/3/2015	8.78	848.45	
MW-50	857.09	1/30/2012	1.30	855.79	20.00
		5/15/2012	10.41	846.68	
		11/15/2012	NS	NS	
		2/15/2013	NS	NS	
		5/17/2013	NS	NS	
		8/23/2013	NS	NS	
		12/2/2013	NS	NS	
		2/14/2014	NS	NS	
		5/16/2014	NS	NS	
		8/26/2014	9.19	847.90	
		3/23/2015	1.45	855.64	
		8/3/2015	9.34	847.75	

TOC - Top of casing

DTW - Depth to water

Ground Water Elev. (TOC) - Ground water elevation from top of casing

* - Ground water elevation adjusted according to the following:

Adjusted ground water elevation=measured elevation+(0.74xfree product thickness)

Where 0.74 represents the density of gasoline

NS=Not Sampled

NM=Not Measured

TABLE 3.2
SUMMARY OF GROUND WATER ANALYTICAL RESULTS FOR BTEX, MTBE AND LEAD (mg/l)

WELL/ SAMPLE NO.	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL BTEX	MTBE	NAPHTHA-LENE	LEAD
MW-1	9 11 2003	Free Product							
	4 2 2004	**3.3**	**8**	**1.8**	9.6	22.7	**0.3**	**0.066**	NA
	4 28 2005	**1.4**	**5**	**2.2**	7.2	15.8	**<0.33***	**0.33**	0.0036
	11 3 2005	**1.6**	**5.3**	**1.5**	7.2	15.6	**0.15**	**0.39**	NA
	3 28 2006	**0.88**	**2.6**	**0.82**	4.4	8.7	**<0.1**	**<0.5**	NA
	8 17 2006	**1.2**	**<5.0**	**1.4**	6.4	9.0	**<1.0**	**<5.0**	NA
	4 10 2008	**0.392**	0.553	0.579	3.51	5.034	<0.020	**0.273**	NA
	9 30 2008	**0.901**	**1.17**	**0.861**	4.27	7.20	<0.020	**0.412**	NA
Duplicate of MW-1 labeled MW-49	9 30 2008	**1.09**	**1.50**	**1.16**	5.64	9.39	<0.020	**0.727**	NA
	6 29 2009	**0.3642**	0.2203	0.3386	2.10	3.0231	**0.0592**	**0.2938**	NA
	11 29 2010	**0.6991**	0.8014	**1.1720**	4.2206	6.8931	**0.1241**	**0.4665**	NA
	2 17 2011	**0.1272**	0.0495	0.1503	1.1678	1.4948	**0.0269**	**0.1774**	NA
	5 19 2011	**0.1177**	0.0863	0.3453	1.3520	1.9013	**0.0257**	**0.2790**	NA
	8 24 2011	**0.0839**	0.2514	0.2994	1.1793	1.814	**0.0204**	**0.2173**	NA
	11 30 2011	**0.0422**	0.2216	0.2270	0.8468	1.3376	**0.0089**	**0.1375**	NA
	2 20 2012	**0.0294**	0.0345	0.1116	0.4904	0.6659	**0.0074**	**0.0996**	NA
	5 15 2012	0.0033	0.0091	0.0266	0.0812	0.1202	<0.0010	0.0174	NA
	8 14 2012	**0.0556**	0.2008	0.2508	0.8499	1.3871	0.009	**0.1950**	NA
	11 15 2012	**0.044**	0.10	0.29	0.72	1.1540	<0.01	**0.19**	NA
	2 15 2013	**0.0331**	0.0170	0.1191	0.2941	0.4633	0.0063	**0.1124**	NA
	5 17 2013	**0.0273**	0.0262	0.2279	0.5016	0.7830	0.0038	**0.1633**	NA
	8 23 2013	**0.0325**	0.0183	0.2757	0.4130	0.7395	0.0045	**0.2006**	NA
	12 2 2013	**0.0246**	0.1033	0.2267	0.4783	0.8329	<0.004	**0.3651**	NA
	2 14 2014	**0.0160**	0.0243	0.1004	0.3144	0.4551	0.0024	**0.1400**	NA
	5 16 2014	**0.0205**	0.0303	0.2546	0.3210	0.6258	<0.001	**0.1490**	NA
	8 26 2014	**0.0260**	0.0550	0.2513	0.3138	0.6461	<0.01	**0.1794**	NA
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	**0.0203**	0.0839	0.2121	0.3880	0.7043	0.0014	**0.1237**	NS
SSTL POC 4'		0.208	41.6	29.1	175	NA	0.832	0.832	NA
MW-2	9 11 2003	Free Product							
	4 2 2004	Free Product							
	4 28 2005	**5.4**	**15**	**3.6**	**16**	40	**3.0**	**1.1**	0.0027
	11 3 2005	Free Product							
	3 28 2006	**2.2**	**5.4**	**1.2**	7.0	15.8	**2.6**	**0.56**	NA
	8 17 2006	**3.9**	**9.5**	**2.2**	12	27.6	**3.5**	**<5.0**	NA
	4 10 2008	Free Product							
	6 27 2008	**1.77**	**3.50**	0.688	4.67	10.63	**3.67**	**0.336**	NA
	6 29 2009	**0.2129**	0.0431	0.0081	0.7657	1.0298	**0.3424**	**0.0568**	NA
	10 13 2009	**0.2036**	0.0341	0.0257	0.6710	0.9344	**0.2508**	**0.0841**	NA
	2 18 2010	**0.0110**	<0.001	<0.001	0.1763	0.1873	**0.0209**	**0.0243**	NA
	5 19 2010	**0.4356**	0.5456	0.1174	1.1934	2.292	**0.6819**	**0.0987**	NA
	8 31 2010	**0.3973**	0.1007	0.1660	0.6965	1.3605	**0.0913**	**0.1025**	NA
	11 29 2010	**0.5045**	0.0690	0.3235	0.5360	1.4330	**0.2361**	**0.1278**	NA
	5 19 2011	**0.1264**	0.0065	<0.005	0.3609	0.4938	**0.9755**	**0.0630**	NA
	5 15 2012	**1.48**	**2.51**	**1.11**	5.25	10.35	**0.524**	**0.487**	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	0.0166	0.0016	0.0020	0.0095	0.0297	0.0116	0.0228	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	**0.0648**	0.0063	0.0295	0.0681	0.1687	**0.0473**	**0.0519**	NS
SSTL POC @ Source		0.208	41.6	29.1	175	NA	0.832	0.832	NA
MW-3	9 11 2003	Free Product							
	4 2 2004	Free Product							
	4 28 2005	Free Product							
	11 3 2006	Free Product							
	3 29 2006	Free Product							
	8 17 2006	Free Product							
	7 26 2007	Free Product							
	1 24 2008	**5.6**	**16**	**1.8**	12	35.4	**5.4**	**<2.5**	NA
	4 10 2008	Free Product							
	6 27 2008	Free Product							
	6 29 2009	**0.8821**	0.8044	0.1041	1.9018	3.6924	**2.9871**	**0.279**	NA
	10 13 2009	**0.624**	0.3825	0.1079	1.1775	2.2919	**1.8338**	**0.1256**	NA
	2 18 2010	**0.5075**	0.2875	0.0750	1.0326	1.9026	**1.3807**	**0.0971**	NA
	5 19 2010	**0.5747**	0.2557	0.1212	1.1658	2.1174	**1.4433**	**0.2115**	NA
	8 31 2010	**0.7383**	0.2577	0.1833	2.2369	3.4162	**1.7518**	**0.3824**	NA
	11 29 2010	**0.3809**	0.0416	0.0264	0.6922	1.1411	**1.8364**	**0.0878**	NA
	8 24 2011	**0.8302**	0.2014	0.1120	0.7465	1.8901	**2.2332**	**0.1137**	NA
	11 30 2011	**1.2145**	0.2562	0.1578	0.8021	2.4306	**2.9137**	**0.1096**	NA
	2 20 2012	**1.2069**	0.3414	0.1264	1.4784	3.1531	**2.5008**	**0.1190**	NA
	5 15 2012	**0.0359**	0.0078	0.0083	0.0597	0.1117	**0.0620**	0.0100	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	**0.5135**	<0.02	0.0648	0.1295	0.7078	**1.4979**	0.0394	NS
	3 23 2015	**0.3928**	<0.0125	0.0697	0.1342	0.5967	**0.9992**	**0.0370**	NS
	8 3 2015	**0.7821**	0.0677	0.1765	0.2829	1.3092	**1.4654**	**0.0590**	NS
SSTL POC 9'		0.208	41.6	29.1	175	NA	0.832	0.832	NA

TABLE 3.2
SUMMARY OF GROUND WATER ANALYTICAL RESULTS FOR BTEX, MTBE AND LEAD (mg/l)

WELL/ SAMPLE NO.	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL BTEX	MTBE	NAPHTHA-LENE	LEAD
MW-4	9 11 2003	**6.9**	7.7	2.2	8.5	25.3	**2.8**	0.64	NA
	4 2 2004	Free Product							
	4 28 2005	**2.7**	5.6	1.6	6.5	16.4	0.71	0.21	0.0043
	11 3 2005	Free Product							
	3 28 2006	**2.7**	8.6	2.2	10	23.5	**1.6**	**2.7**	NA
	8 17 2006	**3.2**	10	2.7	12	27.9	**5.3**	**<5.0**	NA
	4 10 2008	Free Product							
	6 29 2009	**0.4104**	0.2573	0.243	5.2578	6.1685	**0.521**	**0.3092**	NA
	10 13 2009	**0.4647**	0.2873	0.186	3.5821	4.5201	**0.33**	**0.1807**	NA
	2 18 2010	**0.1217**	0.0414	0.0226	1.7883	1.974	**0.1124**	**0.1042**	NA
	5 19 2010	**0.7128**	0.4489	0.2388	4.3998	5.8003	**0.7047**	**0.3682**	NA
	8 31 2010	**1.0211**	**1.4449**	0.3267	4.2602	7.0529	**1.7582**	**0.2695**	NA
	11 29 2010	**1.0373**	**1.0321**	0.1839	5.7600	8.0133	**2.8676**	**0.2995**	NA
	2 17 2011	**0.2286**	0.0598	0.0160	1.7538	2.0582	**0.2921**	**0.0709**	NA
	5 19 2011	**0.0375**	0.0054	0.0054	0.5955	0.6438	**0.0304**	**0.0658**	NA
	8 24 2011	NS	NS	NS	NS	NS	NS	NS	NS
	5 15 2012	**0.0448**	0.0106	0.0045	0.128	0.1879	**0.0423**	0.0118	NA
	8 14 2012	**0.8058**	0.3494	0.0932	1.806	3.0544	**0.8501**	**0.1259**	NA
	11 15 2012	**0.81**	0.65	0.19	2.3	3.95	**0.60**	**0.13**	NA
	2 15 2013	**0.1257**	0.0111	0.0165	0.5872	0.7405	**0.0981**	**0.0499**	NA
	5 17 2013	**0.0991**	<0.004	0.0064	0.3286	0.4341	**0.0382**	**0.0577**	NA
	8 23 2013	**0.4889**	0.0520	0.0239	1.0175	1.5823	**0.2811**	**0.0924**	NA
	12 2 2013	**0.5658**	0.3923	0.1453	1.7395	2.8429	**0.2658**	**0.2858**	NA
	2 14 2014	**0.0234**	<0.001	0.0016	0.1459	0.1709	**0.0286**	0.0130	NA
	5 16 2014	**0.0410**	<0.005	0.00119	0.1510	0.19319	0.0134	0.0156	NA
	8 26 2014	**0.3245**	0.0387	0.0107	0.8111	1.1850	**0.2592**	**0.0629**	NA
	3 23 2015	**0.0352**	<0.004	<0.004	0.2919	0.3271	0.0150	**0.0362**	NA
	8 3 2015	**0.2097**	0.1122	0.0553	0.7980	1.1752	**0.0973**	**0.0730**	NA
SSTL POC 7'		0.208	41.6	29.1	175	NA	0.832	0.832	NA
MW-5	4 2 2004	**0.0086**	0.011	0.0029	0.013	0.0355	0.0019	0.001	NA
	4 28 2005	<0.0005	<0.0050	<0.00050	<0.0015	<0.0075	0.0029	<0.0010	0.0033
	11 4 2005	0.0013	0.02	0.01	0.056	0.0873	0.004	<0.0050	NA
	3 28 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	8 17 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	4 10 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.006	<0.0010	<0.0020	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NS
SSTL POC 14'		0.208	41.6	29.1	175	NA	0.832	0.832	NA
MW-6	4 2 2004	**0.021**	0.019	0.0026	0.029	0.00716	0.0043	<0.001	NA
	4 28 2005	**0.0059**	<0.005	0.00095	0.017	0.02385	0.0011	0.002	0.0012
	11 3 2005	**0.065**	<0.005	0.0018	0.0056	0.0724	0.018	0.0068	NA
	3 28 2006	<0.001	<0.005	<0.001	<0.003	<0.01	<0.001	<0.005	NA
	8 17 2006	0.001	<0.0050	<0.0010	<0.0030	<0.01	0.0012	<0.005	NA
	4 10 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.006	<0.0010	<0.0020	NA
	11 29 2010	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	NS	NS	NS	NS	NS	NS	NS	NS
SSTL POC 44'		0.180	36.0	25.2	175	NA	0.719	0.719	NA
MW-7	4 2 2004	**2.9**	**8.2**	**1.0**	5.0	17.1	**0.27**	**0.17**	NA
	4 28 2005	**1.4**	**4.8**	0.57	3.0	9.77	**<0.17***	**0.057**	0.0015
	11 3 2005	**1.2**	**3.5**	0.52	2.7	7.92	**0.079**	**0.12**	NA
	3 28 2006	**2**	**6**	0.62	3.8	12.4	**0.2**	**<0.50**	NA
	8 17 2006	**2.6**	**5.8**	**1.1**	4.6	14.1	**0.25**	**<0.25**	NA
	5 15 2012	**0.816**	0.0833	0.448	0.337	1.6843	**0.0533**	**0.104**	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	**0.2677**	0.0035	0.1876	0.0517	0.5105	0.0092	0.0927	NS
	3 23 2015	**0.0076**	<0.001	0.0012	0.0011	0.0099	<0.001	0.0021	NS
	8 3 2015	**0.2637**	0.1916	0.1954	0.2275	0.8782	0.0082	**0.0870**	NS
SSTL POC 51'		0.167	33.3	23.3	175	NA	0.667	0.667	NA

TABLE 3.2
SUMMARY OF GROUND WATER ANALYTICAL RESULTS FOR BTEX, MTBE AND LEAD (mg/l)

WELL/ SAMPLE NO.	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL BTEX	MTBE	NAPHTHA-LENE	LEAD
MW-8	4 2 2004	**6.3**	**8.5**	**1.6**	6.7	23.1	**1.9**	**0.26**	NA
	4 28 2005	Missing							
	11 3 2005	**Free Product**							
	3 28 2006	Missing							
	8 17 2006	Missing							
	4 10 2008	Missing							
	5 15 2012	**Free Product**							
	8 14 2012	**1.7223**	0.5754	**2.0131**	6.4307	10.7415	**0.5188**	**0.7801**	NA
	11 15 2012	**1.4**	0.41	**1.8**	5.2	8.81	**0.39**	**0.72**	NA
	2 15 2013	**1.6208**	0.3355	**1.9583**	4.9197	8.8343	**0.4124**	**0.8142**	NA
	5 17 2013	**1.4612**	0.3552	**1.6960**	4.1115	7.6239	**0.3608**	**0.7256**	NA
	8 23 2013	**0.5608**	0.1337	0.4747	1.0219	2.1911	**0.2248**	**0.4023**	NA
	12 2 2013	**0.8357**	0.6113	0.3685	1.2595	3.0750	**0.1974**	**0.5962**	NA
	2 14 2014	**0.0196**	0.0224	0.0469	0.2347	0.3236	0.0017	**0.0767**	NA
	5 16 2014	**0.2410**	0.0666	0.0938	0.2250	0.6264	**0.0726**	**0.0609**	NA
	8 26 2014	**0.2405**	0.0288	0.2086	0.5209	0.9988	**0.1269**	**0.1534**	NA
	3 23 2015	0.0017	<0.001	0.0201	0.0528	0.0746	<0.001	**0.0206**	NA
	8 3 2015	**0.0792**	0.0071	0.2317	0.5523	0.8703	**0.0466**	**0.1387**	NA
SSTL POC 59'		**0.152**	**30.4**	**21.3**	**175.0**	**NA**	**0.608**	**0.608**	**NA**
MW-9	4 2 2004	**Free Product**							
	4 28 2005	**Free Product**							
	11 3 2005	**Free Product**							
	3 28 2006	**7.1**	**11**	**1.4**	7.2	26.7	**4.4**	**<2.5**	NA
	8 17 2006	**Free Product**							
	1 24 2008	**3.1**	**5.1**	0.94	5.6	14.7	**1.3**	**0.47**	NA
	4 10 2008	**Free Product**							
	6 27 2008	**0.819**	**1.05**	0.462	4.38	6.71	**0.459**	**0.442**	NA
	6 29 2009	**1.2965**	**1.7699**	0.4445	2.041	5.5519	**1.2669**	**0.0977**	NA
	10 13 2009	**0.1789**	0.1073	0.0849	0.831	1.2021	**0.3903**	**0.0747**	NA
	2 18 2010	**0.6506**	0.2282	0.1080	0.5853	1.5721	**0.6418**	**0.0377**	NA
	5 19 2010	**1.2355**	0.9565	**0.7399**	2.4434	5.3753	**0.5359**	**0.2267**	NA
	8 31 2010	**0.5541**	0.2532	0.2907	1.3376	2.4356	**0.7325**	**0.1406**	NA
	11 29 2010	**0.5694**	0.2181	0.3080	1.1514	2.2469	**0.7430**	**0.1041**	NA
	2 17 2011	**0.9927**	0.6462	0.3764	1.0601	3.0754	**0.4704**	**0.1302**	NA
	5 19 2011	**0.4375**	0.2382	0.1312	0.8119	1.6188	**0.3491**	**0.0911**	NA
	8 24 2011	**0.6902**	0.0473	0.1212	0.5060	1.3647	**0.9143**	**0.0780**	NA
	11 30 2011	**0.5799**	0.0521	0.1113	0.4589	1.2022	**0.6944**	**0.0678**	NA
	2 20 2012	**0.2395**	0.0273	0.0082	0.2272	0.5022	**0.2674**	**0.0342**	NA
	5 15 2012	**0.2350**	<0.100	0.0536	0.3320	0.6206	**0.625**	<0.100	NA
	8 14 2012	**0.4640**	0.0085	0.0417	0.1608	0.675	**0.9161**	**0.0421**	NA
	11 15 2012	**0.38**	0.0084	0.038	0.11	0.5364	**0.66**	**0.035**	NA
	2 15 2013	**0.1207**	0.0067	<0.005	0.0433	0.1707	**0.2488**	**0.0163**	NA
	5 17 2013	**0.0359**	<0.001	<0.001	0.0082	0.0441	**0.0600**	**0.0057**	NA
	8 23 2013	**0.3998**	<0.01	0.1074	0.0638	0.5710	**0.6219**	**0.0528**	NA
	12 2 2013	**0.3869**	0.0084	0.1091	0.0561	0.5605	**0.7855**	**0.0338**	NA
	2 14 2014	**0.0397**	<0.001	0.0111	0.0432	0.0940	**0.1833**	0.0086	NA
	5 16 2014	**0.1110**	<0.005	<0.001	0.0129	0.1239	**0.1560**	0.0167	NA
	8 26 2014	**0.2125**	0.0034	0.0955	0.0107	0.3221	**0.9277**	0.0108	NA
	3 23 2015	**0.0183**	<0.001	0.0029	0.0108	0.0320	**0.0467**	0.0076	NA
	8 3 2015	**0.3950**	0.0070	0.2739	0.0272	0.7031	**0.9404**	**0.0613**	NA
SSTL POC 29'		**0.203**	**40.6**	**28.4**	**175.0**	**NA**	**0.813**	**0.813**	**NA**

TABLE 3.2
SUMMARY OF GROUND WATER ANALYTICAL RESULTS FOR BTEX, MTBE AND LEAD (mg/l)

WELL/ SAMPLE NO.	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL BTEX	MTBE	NAPHTHA-LENE	LEAD
MW-10	4 2 2004	**16**	25	2.2	11	54.2	**8.9**	0.36	NA
	4 28 2005	**13**	25	1.9	10	49.9	**4.8**	0.38	0.0022
	11 3 2005	**17**	28	4	12	61	**7.9**	**1.2**	NA
	3 28 2006	**8.6**	17	1.1	7	33.7	**4.8**	**<2.5**	NA
	8 17 2006	**14**	25	2.0	11	52	**7.6**	**<0.50**	NA
	1 24 2008	**0.68**	2.9	0.26	3.9	7.74	**0.59**	**0.43**	NA
	4 10 2008	**7.94**	15.9	<0.20	6.94	30.8	**3.81**	**<0.40**	NA
	6 27 2008	**10.3**	3.02	0.988	2.48	16.8	**5.64**	**<0.50**	NA
	11 29 2010	**2.5290**	0.0624	0.2811	0.0954	2.9679	**1.4078**	**0.0945**	NA
	2 17 2011	**0.1858**	0.0510	0.0189	0.1887	0.4444	**0.1777**	0.0170	NA
	5 19 2011	**0.0288**	0.0146	0.0048	0.1228	0.1710	**0.0434**	**0.0270**	NA
	8 24 2011	**0.1205**	0.0133	0.0155	0.0350	0.1843	**0.1241**	**0.0133**	NA
	11 30 2011	**0.1947**	0.0097	0.0189	0.0087	0.2320	**0.1833**	**0.0065**	NA
	2 20 2012	**0.0283**	0.0020	0.0026	0.0074	0.0403	**0.0460**	**0.0020**	NA
	5 15 2012	**0.0252**	<0.0050	0.0022	0.0016	0.029	**0.0307**	<0.0050	NA
	8 14 2012	**0.3424**	0.0045	0.012	0.0335	0.3924	**0.2793**	**0.0221**	NA
	11 15 2012	**0.055**	<0.005	0.0015	0.0036	0.0601	**0.096**	<0.005	NA
	2 15 2013	**0.0501**	0.0010	0.0027	0.0069	0.0607	**0.1168**	0.0095	NA
	5 17 2013	**0.0330**	0.0015	0.0012	0.0075	0.0432	**0.0458**	0.0043	NA
	8 23 2013	**0.1849**	0.0063	0.0188	0.0070	0.2170	**0.1597**	**0.0215**	NA
	12 2 2013	**0.1798**	0.0044	0.0201	0.0080	0.2123	**0.2682**	**0.0352**	NA
	2 14 2014	**0.0193**	<0.001	0.0025	0.0048	0.0266	**0.1088**	0.0029	NA
	5 16 2014	**0.0887**	<0.005	0.00913	0.0082	0.10603	**0.1050**	0.0169	NA
	8 26 2014	**0.1552**	0.0044	0.0119	0.0045	0.1760	**0.1733**	**0.0213**	NA
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	**0.1341**	0.0051	0.0203	0.0105	0.1700	**0.1253**	**0.0413**	NS
SSTL POC 29'		0.203	40.6	28.4	175.0	NA	0.813	0.813	NA
MW-11	4 2 2004	**Free Product**							
	4 28 2005	**3.3**	9.3	1.6	8.2	22.4	**1.7**	0.62	0.007
	11 3 2005	**Free Product**							
	3 29 2006	**Free Product**							
	8 17 2006	**Free Product**							
	4 10 2008	Inadequate water volume							
	6 29 2009	**0.0424**	0.0081	0.0337	0.1027	0.1869	**0.0823**	**0.0257**	NA
	10 13 2009	**0.023**	0.0049	0.0156	0.0915	0.135	**0.037**	**0.0289**	NA
	2 18 2010	**0.1050**	0.0169	0.0448	0.3757	0.5424	**0.1747**	**0.0508**	NA
	5 19 2010	**0.7103**	0.7911	0.6104	1.5148	3.6266	**0.2743**	**0.2142**	NA
	8 31 2010	**0.5858**	0.1535	0.5308	0.7292	1.9993	**0.3866**	**0.1824**	NA
	11 29 2010	**0.5182**	0.0715	0.5065	0.6806	1.7768	**0.3113**	**0.1875**	NA
	2 17 2011	**0.2902**	0.0529	0.3356	0.3686	1.0473	**0.1749**	**0.1244**	NA
	5 19 2011	**0.0595**	0.0175	0.0620	0.1177	0.2567	**0.0907**	**0.0343**	NA
	8 24 2011	**0.2285**	0.0947	0.2092	0.3485	0.8809	**0.2160**	**0.0862**	NA
	11 30 2011	**0.2198**	0.0981	0.1837	0.2995	0.8011	**0.1293**	**0.0555**	NA
	2 20 2012	**0.1810**	0.0375	0.2330	0.2563	0.7078	**0.0773**	**0.0832**	NA
	5 15 2012	**0.0120**	0.0082	0.0096	0.0125	0.0423	0.0109	<0.0050	NA
	8 14 2012	**0.3689**	0.0428	0.3042	0.3001	1.016	**0.1933**	**0.0934**	NA
	11 15 2012	**0.19**	<0.10	0.15	0.16	0.5	**0.15**	<0.10	NA
	2 15 2013	**0.0137**	0.0020	0.0088	0.0110	0.0355	**0.0499**	0.0072	NA
	5 17 2013	**0.0153**	<0.001	<0.001	0.0058	0.0211	**0.0561**	0.0057	NA
	8 23 2013	**0.0348**	0.0030	0.0448	0.0280	0.1106	**0.0633**	0.0118	NA
	12 2 2013	**0.1018**	0.0209	0.1191	0.0853	0.3271	**0.1587**	**0.0749**	NA
	2 14 2014	**0.0154**	0.0041	0.0070	0.0103	0.0368	**0.0633**	0.0093	NA
	5 16 2014	**0.0193**	0.0182	0.0139	0.0324	0.0838	**0.0449**	0.00898	NA
	8 26 2014	**0.0330**	0.0048	0.0284	0.0341	0.1003	**0.1150**	0.0159	NA
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	**0.0155**	0.0066	0.0190	0.0328	0.0739	**0.0739**	0.0149	NS
SSTL POC 13'		0.208	41.6	29.1	175.0	NA	0.832	0.832	NA

TABLE 3.2
SUMMARY OF GROUND WATER ANALYTICAL RESULTS FOR BTEX, MTBE AND LEAD (mg/l)

WELL/ SAMPLE NO.	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL BTEX	MTBE	NAPHTHA-LENE	LEAD
MW-12	4 2 2004	**6.8**	**16**	**3.2**	14	40	**0.52**	**0.33**	NA
	4 28 2005	**3.5**	**11**	**1.7**	7.1	23.3	**<0.33***	**0.46**	0.037
	11 3 2005	**6.9**	**23**	**4.1**	17	51	**0.65**	**1.2**	NA
	3 29 2006	**Free Product**							
	8 17 2006	**6.7**	**22**	**3.1**	15	46.8	**0.82**	**<2.5**	NA
	4 10 2008	0.0034	<0.0010	0.002	<0.0030	0.0054	0.0016	<0.0020	NA
	5 15 2012	0.0047	<0.0050	0.0038	<0.0030	0.0085	0.0033	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
POC - 30 ft*		0.00916	1.83	1.28	18.3	NA	0.0366	0.0366	0.0275
MW-13	4 2 2004	**1.1**	**4.1**	**1.0**	5.3	11.5	<0.01	**0.22**	NA
	4 28 2005	**0.41**	**1.6**	0.4	2.1	4.51	**<0.066***	**0.1**	0.0074
	11 3 2005	**0.46**	0.86	0.54	1.5	3.36	**0.49**	**0.17**	NA
	3 29 2006	**0.42**	**1.8**	0.23	2.7	5.15	**<0.05**	**<0.25**	NA
	8 17 2006	**0.32**	0.4	0.4	1.1	2.22	**0.029**	**<0.13**	NA
	4 10 2008	Missing							
	5 15 2012	**0.0061**	0.0315	0.0145	0.114	0.1661	<0.0010	0.0146	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
On-site*		16.8	526	1.69	175	NA	37700	21	NA
MW-14	4 2 2004	**Free Product**							
	4 28 2005	**Free Product**							
	11 3 2005	**Free Product**							
	3 29 2006	**Free Product**							
	8 17 2006	**Free Product**							
	1 24 2008	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	0.0081	NA
	4 10 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.0060	<0.0010	<0.0020	NA
	6 27 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.0060	<0.0010	<0.0050	NA
	11 29 2010	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	0.0059	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	0.0079	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
On-site*		16.8	526	1.69	175	NA	37700	21	NA
MW-16	4 28 2005	<0.0005	<0.005	<0.0005	<0.0015	<0.0075	<0.001	<0.001	0.036
	11 3 2005	DRY							
	3 28 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	8 17 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.0060	<0.0010	<0.0050	NA
	4 10 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.0060	<0.0010	<0.0020	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
On-site*		16.8	526	1.69	175	NA	37700	21	NA
MW-17	4 28 2005	**0.63**	**1.8**	0.35	1.9	4.68	**<0.083***	**0.1**	**0.018**
	11 3 2005	**1.9**	**3.9**	**0.92**	4.5	11.2	**0.26**	**0.26**	NA
	3 28 2006	**0.36**	0.78	0.14	0.85	2.13	**0.037**	**0.07**	NA
	8 17 2006	**1.9**	**2.2**	**0.8**	3.6	8.5	**0.42**	**0.24**	NA
	4 10 2008	**0.508**	0.955	0.217	0.85	2.53	<0.010	**0.0520**	NA
	11 29 2010	**1.6080**	0.5695	**0.9746**	1.6746	4.8267	**0.1681**	**0.2908**	NA
	5 15 2012	**0.0967**	0.105	0.0536	0.112	0.3673	0.0063	0.0138	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	**0.8874**	0.6453	0.7205	1.1846	3.4378	0.0399	0.2391	NS
	3 23 2015	**0.0311**	0.0530	0.0229	0.0557	0.1627	0.0011	0.0060	NS
	8 3 2015	**0.4949**	0.2517	0.5119	0.5008	1.7593	**0.0230**	**0.1495**	NS
SSTL POC 113'		0.078	15.6	10.9	156	NA	0.312	0.312	NA

TABLE 3.2
SUMMARY OF GROUND WATER ANALYTICAL RESULTS FOR BTEX, MTBE AND LEAD (mg/l)

WELL/ SAMPLE NO.	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL BTEX	MTBE	NAPHTHA-LENE	LEAD
MW-18	4 28 2005	<0.0050	<0.0050	<0.0050	<0.0015	<0.0075	0.0078	<0.001	**0.024**
	11 3 2005	0.0012	<0.0050	<0.0010	<0.0030	0.0015	0.0014	<0.005	NA
	3 28 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	0.0044	<0.005	NA
	8 17 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	4 10 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.0060	<0.0010	<0.0020	NA
	11 29 2010	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NS
SSTL POC 115'		**0.0761**	**15.2**	**10.7**	**152**	**NA**	**0.305**	**0.305**	**NA**
MW-19	4 28 2005	**0.7**	**2.8**	**0.73**	3	7.23	**<0.083***	**0.16**	**0.030**
	11 3 2005	**2.5**	**7.3**	**1.4**	6.6	17.8	**0.063**	**0.3**	NA
	3 28 2006	**0.64**	**1.9**	0.33	1.6	4.47	**<0.025**	**0.15**	NA
	8 17 2006	**1.9**	**4.9**	**0.98**	3.6	11.4	**0.062**	**0.22**	NA
	7 25 2007	**0.3**	0.56	0.20	0.74	1.8	**0.12**	**<0.25**	NA
	1 24 2008	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	4 10 2008	**0.0283**	0.0911	0.0189	0.0928	0.2311	<0.0010	0.0073	NA
	6 27 2008	**0.975**	**3.39**	**0.816**	2.89	8.071	<0.0020	**<0.5**	NA
	9 30 2008	**0.928**	**1.75**	0.667	1.61	4.96	<0.020	**0.200**	NA
	11 29 2010	**0.5530**	**1.4983**	0.5415	1.3469	3.9397	0.0136	**0.0926**	NA
	8 24 2011	**1.5995**	**5.5737**	0.7538	2.7583	10.6853	0.0527	**0.2327**	NA
	11 30 2011	**0.7777**	**1.7667**	0.6931	2.3332	5.5707	**0.0222**	**0.2670**	NA
	2 20 2012	**0.0217**	**0.0102**	0.0530	0.0863	0.1712	<0.001	**0.0222**	NA
	5 15 2012	**0.2340**	**0.285**	0.3640	0.440	1.323	0.0052	**0.0699**	NA
	8 14 2012	**0.6973**	**1.2077**	0.5188	1.231	3.6548	0.0196	**0.1554**	NA
	11 15 2012	**0.92**	**2.2**	**0.82**	2.8	6.74	<0.050	<0.25	NA
	2 15 2013	**0.0047**	<0.001	0.0090	0.0219	0.0356	<0.001	0.0041	NA
	5 17 2013	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NA
	8 23 2013	**0.7257**	**2.6160**	**0.8270**	2.6421	6.8108	0.0126	**0.2354**	NA
	12 2 2013	**0.7593**	**1.3331**	0.5588	1.5892	4.2404	**0.0236**	**0.2260**	NA
	2 14 2014	**0.0253**	0.0296	0.0294	0.0865	0.1708	<0.001	0.0139	NA
	5 16 2014	0.00142	<0.005	0.00223	0.0089	0.01255	<0.001	<0.005	NA
	8 26 2014	**0.9046**	**3.1412**	**1.0480**	3.4911	8.5849	0.0182	**0.2949**	NA
	3 23 2015	**0.0196**	0.0195	0.0216	0.0360	0.0967	<0.001	0.0061	NA
	8 3 2015	**0.6370**	**1.8926**	**0.9294**	2.7000	6.1590	0.0145	**0.2621**	NA
SSTL POC 92'		**0.101**	**20.2**	**14.1**	**175.0**	**NA**	**0.404**	**0.404**	**NA**
MW-20	4 28 2005	<0.0005	<0.005	<0.0005	<0.0015	<0.0075	<0.0010	<0.001	**0.026**
	11 3 2005	<0.0010	<0.0050	<0.0010	<0.003	<0.010	<0.0010	<0.0050	NA
	3 28 2006	<0.0010	<0.0050	<0.0010	<0.003	<0.010	<0.0010	<0.0050	NA
	8 17 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	4 10 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.0060	<0.0010	<0.0020	NA
	11 29 2010	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	**0.0377**	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NS
SSTL POC 182'		**0.0372**	**7.43**	**5.20**	**74.3**	**NA**	**0.149**	**0.149**	**NA**
MW-21	4 28 2005	**1.7**	**6.9**	**1.0**	5.3	14.9	**<0.33***	**0.38**	0.0038
	11 3 2005	**3.7**	**8.1**	**0.91**	4.2	16.91	**0.2**	**0.17**	NA
	3 28 2006	**1.8**	**7.5**	**1.2**	5.6	16.1	**<0.1**	**0.66**	NA
	8 17 2006	**3.9**	**12**	**1.7**	7.9	25.5	**0.13**	**0.32**	NA
	4 10 2008	**1.16**	**6.06**	0.593	3.89	11.7	**<0.10**	**<0.20**	NA
	6 27 2008	**3.18**	**11.2**	**1.29**	8.8	24.5	**<0.10**	**0.754**	NA
	6 29 2009	**0.6**	0.7026	0.3523	1.5207	3.1756	**0.0215**	**0.0662**	NA
	10 13 2009	**0.1701**	0.199	0.0949	0.322	0.786	0.005	0.0194	NA
	2 18 2010	**0.0839**	0.0657	0.0503	0.1190	0.3189	0.0022	0.0057	NA
	8 31 2010	**1.0937**	0.9890	0.4902	1.5130	4.0859	**0.0480**	**0.1197**	NA
	11 29 2010	**0.5912**	0.1190	0.2683	0.3529	1.3314	**0.0361**	**0.0400**	NA
	2 17 2011	**0.4460**	**1.4383**	0.1974	0.9067	2.9884	0.0099	**0.0422**	NA
	5 19 2011	**0.0761**	0.1182	0.0278	0.0751	0.2972	0.0026	0.0059	NA
	8 24 2011	**0.5614**	0.2586	0.3759	0.5852	1.7811	0.0245	0.0860	NA
	11 30 2011	**0.4399**	0.1991	0.2733	0.5010	1.4133	**0.0283**	**0.0789**	NA
	2 20 2012	**0.0224**	0.0748	0.0165	0.0738	0.1875	**0.0011**	**0.0033**	NA
	5 15 2012	**0.0468**	0.0258	0.0332	0.0579	0.1637	0.0016	0.0106	NA
	8 14 2012	**0.8479**	0.5124	0.4949	0.8367	2.6919	**0.0328**	**0.1263**	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	**0.6378**	0.1601	0.5148	0.5989	1.9116	**0.0218**	**0.1314**	NS
	3 23 2015	0.0012	<0.001	<0.001	<0.001	0.0012	<0.001	<0.001	NS
	8 3 2015	**0.1922**	0.0271	0.2034	0.1552	0.5779	0.0065	**0.0430**	NS
SSTL POC 73'		**0.128**	**25.6**	**17.9**	**175**	**NA**	**0.513**	**0.513**	**NA**

TABLE 3.2
SUMMARY OF GROUND WATER ANALYTICAL RESULTS FOR BTEX, MTBE AND LEAD (mg/l)

WELL/ SAMPLE NO.	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL BTEX	MTBE	NAPHTHA-LENE	LEAD
MW-22	4 28 2005	<0.0005	<0.005	<0.0005	<0.0015	<0.0075	<0.001	<0.001	0.0059
	11 3 2005	<0.001	<0.005	<0.001	<0.003	<0.01	<0.001	<0.005	NA
	3 28 2006	<0.001	<0.005	<0.001	<0.003	<0.01	<0.001	<0.005	NA
	8 17 2006	0.0011	<0.0050	<0.0010	<0.0030	0.0011	<0.0010	<0.0050	NA
	4 10 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.0060	<0.0010	<0.0020	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
On-site*		16.8	526	1.69	175	NA	37700	21	NA
MW-23	4 28 2005	0.00071	<0.005	<0.0005	<0.0015	<0.0075	<0.001	<0.001	**0.069**
	11 3 2005	**0.052**	0.01	0.038	0.06	0.16	**0.055**	0.016	NA
	3 28 2006	<0.001	<0.005	0.0014	<0.003	<0.01	0.0016	<0.005	NA
	8 17 2006	**0.012**	0.0053	0.028	0.047	0.0923	**0.024**	0.01	NA
	4 10 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.0060	<0.0010	<0.0020	NA
	11 29 2010	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
Off-site*		2.57	156	1.69	129	NA	3510	6.05	NA
MW-24	4 28 2005	<0.0005	<0.005	<0.0005	<0.0015	<0.0075	<0.001	<0.001	**0.031**
	11 3 2005	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	3 28 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	8 17 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	4 10 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.0060	<0.0010	<0.0020	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
Off-site*		2.57	156	1.69	129	NA	3510	6.05	NA
EW-25 (formerly MW-25)	3 29 2006	**Free Product**							
	8 17 2006	**5.4**	13	**2.5**	**12**	32.9	**5.4**	**0.65**	NA
	3 22 2007	**9.1**	12	**1.9**	**11**	34	**8.0**	NA	NA
	7 26 2007	**9.8**	2.0	**1.8**	8.1	21.7	**7.4**	**<1.3**	NA
	4 10 2008	**4.75**	5.4	**0.851**	4.4	15.4	**4.44**	**<0.20**	NA
	6 29 2009	**0.1511**	0.0269	0.065	0.2645	0.5075	**0.2069**	**0.0378**	NA
	10 13 2009	**0.0135**	0.0051	0.0067	0.0358	0.0611	0.0185	0.0123	NA
	2 18 2010	**1.0318**	0.1657	0.2734	0.7364	2.2073	**1.5939**	**0.1249**	NA
	5 19 2010	**2.6193**	0.4889	**0.8423**	1.7346	5.6851	**3.4997**	**0.3447**	NA
	8 31 2010	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	2 17 2011	**1.0339**	0.0754	0.2764	0.4289	1.8146	**1.6445**	**0.1298**	NA
	5 15 2012	**0.428**	0.0223	0.110	0.109	0.6693	**0.626**	**0.0422**	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	**0.0061**	<0.001	0.0013	0.0018	0.0092	0.0157	<0.001	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	0.0049	<0.001	<0.001	<0.001	0.0049	**0.0207**	<0.001	NS
SSTL POC 10'		**0.208**	**41.6**	**29.1**	**175**	**NA**	**0.832**	**0.832**	**NA**
MW-26	4 28 2005	**4.5**	**10**	**1.8**	8.1	24.4	**1.4**	**0.54**	**0.037**
	11 3 2005	**6.4**	**12**	**2.6**	11	32	**2.6**	**0.7**	NA
	3 28 2006	**5.1**	**10**	**1.5**	7.4	24	**2.4**	**<1.3**	NA
	8 17 2006	**6.6**	**14**	**2.9**	**12**	35.5	**2.9**	**0.7**	NA
	1 24 2008	**0.19**	0.11	0.038	0.49	0.83	**0.11**	**0.1**	NA
	4 10 2008	**0.184**	0.0223	<0.0050	0.261	0.467	**0.234**	**0.032**	NA
	9 30 2008	**1.30**	0.123	**0.701**	0.863	2.99	**0.561**	**0.316**	NA
	10 13 2009	**0.3312**	0.0525	0.1805	0.6726	1.2368	**0.1778**	**0.1190**	NA
	2 18 2010	**0.2480**	0.0375	0.1031	0.3348	0.7234	**0.1404**	**0.0445**	NA
	5 19 2010	**0.4798**	0.0187	0.3653	0.2895	1.1533	**0.3038**	**0.1590**	NA
	8 31 2010	**0.5959**	0.0146	0.4621	0.1299	1.2025	**0.4466**	**0.0819**	NA
	11 29 2010	**0.8416**	0.0181	0.6154	0.2287	1.7038	**0.6960**	**0.1354**	NA
	2 17 2011	**0.3233**	0.2667	0.2302	0.6397	1.4599	**0.1371**	**0.0973**	NA
	5 19 2011	**0.2746**	0.0741	0.1956	0.3489	0.8932	**0.1808**	**0.1199**	NA
	8 24 2011	**0.4398**	0.1794	0.3295	0.4878	1.4365	**0.2207**	**0.1169**	NA
	11 30 2011	**0.1250**	0.0044	0.1115	0.0962	0.3371	**0.0923**	**0.0437**	NA
	2 20 2012	**0.2210**	0.1529	0.2119	0.4941	1.0799	**0.0846**	**0.0931**	NA
	5 15 2012	**0.100**	0.0050	0.101	0.0821	0.2881	**0.0839**	**0.0545**	NA
	11 15 2012	**0.120**	<0.025	0.060	0.021	0.201	**0.074**	**0.026**	NA
	2 15 2013	**0.2646**	0.0072	0.1934	0.1472	0.6124	**0.1797**	**0.1032**	NA
	5 17 2013	**0.1946**	0.0062	0.0958	0.0998	0.3964	**0.1238**	**0.0674**	NA
	8 23 2013	**0.2485**	0.0051	0.1664	0.0318	0.4518	**0.1165**	**0.0389**	NA
	12 2 2013	**0.0540**	<0.001	0.0114	0.0017	0.0671	**0.0457**	0.0105	NA
	2 14 2014	**0.1503**	0.0062	0.1311	0.0783	0.3659	**0.1203**	**0.0398**	NA
	5 16 2014	**0.1440**	<0.005	0.1130	0.0213	0.2783	**0.1000**	**0.0212**	NA
	8 26 2014	**0.1585**	0.0044	0.0778	0.0112	0.2519	**0.0945**	0.0179	NA
	3 23 2015	**0.1670**	0.0025	0.1279	0.0305	0.3279	**0.1343**	0.0184	NA
	8 3 2015	**0.0500**	0.0014	0.0150	0.0027	0.0691	**0.0457**	0.0052	NA
SSTL POC 65'		**0.141**	**28.3**	**19.8**	**175**	**NA**	**0.566**	**0.566**	**NA**

TABLE 3.2
SUMMARY OF GROUND WATER ANALYTICAL RESULTS FOR BTEX, MTBE AND LEAD (mg/l)

WELL/ SAMPLE NO.	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL BTEX	MTBE	NAPHTHA-LENE	LEAD
MW-27	4 28 2005	**0.088**	<0.25	0.23	0.24	0.558	<0.02	**0.036**	**0.027**
	11 3 2005	**0.14**	0.03	0.19	0.15	0.51	0.016	0.014	NA
	3 28 2006	**0.06**	<0.025	0.059	0.073	0.216	0.0095	<0.025	NA
	8 17 2006	**0.027**	<0.0050	0.016	0.022	0.065	0.0069	<0.0050	NA
	4 10 2008	Inadequate water volume							
	9 30 2008	**0.0319**	<0.0010	0.0293	<0.0030	0.0612	0.0057	0.0121	NA
	11 29 2010	**0.0064**	<0.001	0.0017	<0.001	0.0081	0.0054	0.0023	NA
	5 15 2012	0.0016	<0.0050	<0.0010	<0.0030	0.0016	0.0010	0.0170	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
On-site*		16.8	526	1.69	175	NA	37700	21	NA
MW-28	9 30 2008	**0.0319**	<0.0010	0.0293	<0.0030	0.0612	0.0057	0.0121	NA
	11 3 2005	**0.16**	<0.005	0.028	0.012	0.2	<0.001	**0.06**	NA
	3 28 2006	**0.19**	<0.005	0.0016	0.0045	0.0251	0.0022	0.0085	NA
	8 17 2006	**0.05**	<0.0050	0.0079	0.011	0.069	0.0054	**0.026**	NA
	4 10 2008	**0.0053**	0.0012	<0.0010	0.0031	0.0096	<0.0010	<0.0020	NA
	9 30 2008	<0.00010	<0.0010	<0.0010	<0.0030	<0.0060	<0.0010	<0.0050	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NS
SSTL POC 197'		**0.0324**	**6.48**	**4.53**	**64.8**	**NA**	**0.130**	**0.130**	**NA**
MW-29	3 28 2006	**0.92**	<0.05	0.02	0.053	0.993	**1**	**0.057**	NA
	8 17 2006	**0.4**	<0.005	<0.0010	0.007	0.41	**0.40**	**0.062**	NA
	4 10 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.0060	**0.0598**	<0.0020	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	0.0145	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
Off-site*		2.57	156	1.69	129	NA	3510	6.05	NA
MW-30	11 3 2005	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	0.0055	NA
	8 17 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	4 10 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.0060	<0.0010	<0.0020	NA
	11 29 2010	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NS
SSTL POC 146'		**0.0534**	**10.7**	**7.48**	**107**	**NA**	**0.214**	**0.214**	**NA**
MW-31	12 13 2005	**0.86**	<0.1	<0.02	0.62	1.48	**0.19**	**0.14**	NA
	3 28 2006	**0.32**	0.044	0.0089	0.58	0.953	**0.36**	**0.031**	NA
	8 17 2006	**0.71**	<0.050	0.018	1.3	2.03	**0.33**	**0.22**	NA
	4 10 2008	**0.094**	<0.0010	<0.0010	<0.0030	0.094	**0.394**	0.0033	NA
	5 15 2012	0.0063	<0.0050	<0.0010	<0.0030	0.0063	**0.0205**	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
Off-site*		2.57	156	1.69	129	NA	3510	6.05	NA
MW-32	12 13 2005	**0.05**	<0.050	0.012	0.5	0.562	<0.010	**0.076**	NA
	3 28 2006	<0.001	<0.0050	<0.0010	<0.0030	<0.010	<0.001	<0.005	NA
	8 17 2006	Not Sampled							
	4 10 2008	Missing Destroyed							
	5 15 2012	Missing Destroyed							
Off-site*		2.57	156	1.69	129	NA	3510	6.05	NA

TABLE 3.2
SUMMARY OF GROUND WATER ANALYTICAL RESULTS FOR BTEX, MTBE AND LEAD (mg/l)

WELL/ SAMPLE NO.	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL BTEX	MTBE	NAPHTHA-LENE	LEAD
MW-33	12 13 2005	**0.69**	0.11	0.098	0.62	1.52	**0.061**	**0.1**	NA
	3 28 2006	**0.2**	0.077	0.043	0.33	0.65	**0.023**	**0.046**	NA
	8 17 2006	**0.50**	0.078	0.087	0.48	1.15	**0.028**	**0.089**	NA
	4 10 2008	**0.0673**	0.0298	0.0202	0.0832	0.2005	<0.0010	0.0121	NA
	9 30 2008	**0.170**	0.016	0.0593	0.0255	0.271	**0.0328**	**0.0348**	NA
	11 29 2010	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NA
	5 15 2012	**0.0277**	<0.0050	0.0047	<0.0030	0.0324	0.0049	0.0076	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	**0.0235**	<0.001	0.0010	<0.001	0.0245	0.0059	0.0038	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	**0.0225**	<0.001	<0.001	<0.001	0.0225	0.0059	0.0034	NS
SSTL POC 150'		**0.0512**	**10.2**	**7.17**	**102**	**NA**	**0.205**	**0.205**	**NA**
MW-34	12 13 2005	**0.019**	<0.0050	<0.0010	<0.0030	0.019	<0.0010	0.0092	NA
	3 28 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	8 17 2006	**0.018**	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	4 10 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.0060	<0.0010	<0.0020	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	<0.001	<0.001	<0.001	<0.001	<0.004	<0.001	<0.001	NS
SSTL POC 241'		**0.0226**	**4.51**	**3.16**	**45.1**	**NA**	**0.0903**	**0.0903**	**NA**
MW-35	3 28 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	8 17 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	4 10 2008	Missing Destroyed							
	5 15 2012	Missing Destroyed							
Off-site*		2.57	156	1.69	129	NA	3510	6.05	NA
MW-36	3 28 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	8 17 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	4 10 2008	<0.0010	<0.0010	<0.0010	<0.0030	<0.0060	<0.0010	<0.0020	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
Off-site*		2.57	156	1.69	129	NA	3510	6.05	NA
MW-37	3 28 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	8 17 2006	0.0022	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	4 10 2008	Missing Destroyed							
	5 15 2012	Missing Destroyed							
Off-site*		2.57	156	1.69	129	NA	3510	6.05	NA
MW-38	3 28 2006	**0.063**	0.0054	0.0023	0.10	0.171	**0.04**	0.012	NA
	8 17 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	**0.040**	<0.0050	NA
	4 10 2008	Missing Destroyed							
	5 15 2012	Missing Destroyed							
Off-site*		2.57	156	1.69	129	NA	3510	6.05	NA
EW-39	3 22 2007	**4.5**	**11**	**2.3**	**10**	28	**0.82**	NA	NA
	4 10 2008	**0.0067**	<0.0010	<0.0010	<0.0030	0.0067	0.0164	<0.0020	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
On-site*		16.8	526	1.69	175	NA	37700	21	NA

TABLE 3.2
SUMMARY OF GROUND WATER ANALYTICAL RESULTS FOR BTEX, MTBE AND LEAD (mg/l)

WELL/ SAMPLE NO.	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL BTEX	MTBE	NAPHTHA-LENE	LEAD
EW-40	3 22 2007	**6.1**	11	**2.3**	**10**	29	**4.8**	NA	NA
	4 10 2008	**0.354**	0.285	0.018	0.664	1.321	**0.313**	**0.0537**	NA
	5 15 2012	**0.0086**	<0.0050	0.0076	0.0010	0.0172	0.0058	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	**0.0126**	<0.001	<0.001	0.0021	0.0147	0.0311	0.0031	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	**0.0214**	0.0014	0.0031	0.0076	0.0335	**0.0401**	0.0075	NS
SSTL POC 13'		0.208	41.6	29.1	175	NA	0.832	0.832	NA
EW-41	3 22 2007	**5.9**	**11**	**2.3**	9.8	29	**3.5**	NA	NA
	4 10 2008	**0.647**	0.0724	<0.010	0.547	1.266	**0.410**	**0.0844**	NA
	5 15 2012	**0.0412**	<0.0050	0.0040	0.0178	0.063	0.0153	0.0184	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
On-site*		16.8	526	1.69	175	NA	37700	21	NA
EW-42	3 22 2007	**5.5**	**8.2**	**1.3**	6.5	22	**3.7**	NA	NA
	4 10 2008	**0.384**	0.0367	<0.0050	0.337	0.758	**0.320**	**0.0459**	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	0.0029	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	0.0032	<0.001	<0.001	<0.001	0.0032	0.0357	<0.001	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	**0.0052**	<0.001	<0.001	<0.001	0.0052	**0.0287**	<0.001	NS
SSTL POC 33'		0.198	39.7	27.8	175	NA	0.793	0.793	NA
EW-43	3 22 2007	**10**	**21**	**2.2**	**12**	45	**4.7**	NA	NA
	4 10 2008	**2.51**	**1.28**	0.132	1.37	5.29	**1.65**	**0.136**	NA
	5 15 2012	**0.0699**	<0.0050	0.0150	0.0047	0.0896	**0.0749**	0.0079	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	<0.001	<0.001	<0.001	<0.001	<0.004	0.0060	<0.001	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	0.0012	<0.001	<0.001	<0.001	0.0012	0.0033	<0.001	NS
SSTL POC 25'		0.206	41.3	28.9	175	NA	0.825	0.825	NA
EW-44	3 22 2007	**6.6**	**9.8**	**1.6**	8.0	26	**3.8**	NA	NA
	7 26 2007	**0.068**	0.086	0.0077	0.047	0.209	**0.021**	<0.0050	NA
	4 10 2008	**6.82**	**8.27**	0.681	4.33	20.10	**2.47**	**<0.40**	NA
	5 15 2012	**8.21**	**3.53**	**1.06**	2.01	14.81	**5.09**	**0.603**	NA
	8 14 2012	**0.0374**	0.0202	0.0097	0.1663	0.2336	**0.4651**	0.0186	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	**2.3784**	0.0964	**0.7551**	0.9518	4.1817	**2.9174**	**0.3626**	NS
	3 23 2015	**1.2466**	0.0533	**0.7448**	0.8227	2.8674	**1.5571**	**0.2825**	NS
	8 3 2015	**1.3999**	0.0490	**0.8774**	0.8287	3.1550	**1.3413**	**0.3889**	NS
SSTL POC 15'		0.208	41.6	29.1	175	NA	0.832	0.832	NA
EW-45	3 22 2007	**8.2**	**14**	**1.5**	8.1	32	**4.2**	NA	NA
	7 26 2007	**0.022**	0.036	0.0032	0.027	0.088	0.0069	<0.0050	NA
	4 10 2008	**4.65**	**5.17**	0.434	2.60	12.85	**1.38**	**<0.20**	NA
	5 15 2012	**0.0311**	<0.0050	0.0030	0.0403	0.0744	**0.0227**	0.0067	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	**0.1826**	0.0038	0.0338	0.1012	0.3214	**0.2263**	**0.0388**	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	**0.4875**	0.0904	0.1866	0.4703	1.2348	**0.4644**	**0.1483**	NS
SSTL POC 30'		0.202	40.4	28.3	175	NA	0.808	0.808	NA

TABLE 3.2
SUMMARY OF GROUND WATER ANALYTICAL RESULTS FOR BTEX, MTBE AND LEAD (mg/l)

WELL/ SAMPLE NO.	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL BTEX	MTBE	NAPHTHA-LENE	LEAD
EW-46	3 22 2007	**4.3**	**9.2**	0.63	5.7	20	**0.66**	NA	NA
	7 26 2007	**2.3**	**3.0**	0.14	1.4	6.84	**0.34**	**<0.50**	NA
	4 10 2008	**1.51**	0.932	0.122	0.494	3.06	**0.194**	**<0.040**	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	0.0014	0.0014	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	0.0020	<0.001	<0.001	0.0460	0.048	<0.001	0.0052	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	0.0016	<0.001	<0.001	0.0238	0.0254	<0.001	0.0042	NS
SSTL POC 27'		**0.205**	**41**	**28.7**	**175**	**NA**	**0.820**	**0.820**	**NA**
EW-47	3 22 2007	**0.16**	0.96	0.12	2.2	3.4	**0.18**	NA	NA
	7 26 2007	**1.5**	0.11	<0.020	0.94	2.55	<0.020	**0.11**	NA
	4 10 2008	**0.0758**	0.0255	0.0014	0.0578	0.1605	0.0138	0.0029	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	0.0011	0.0039	<0.001	<0.001	0.0050	<0.001	<0.001	NS
	3 23 2015	NS	NS	NS	NS	NS	NS	NS	NS
	8 3 2015	0.0017	0.0080	<0.001	<0.001	0.0097	<0.001	<0.001	NS
SSTL POC 18'		**0.208**	**41.6**	**29.1**	**175**	**NA**	**0.832**	**0.832**	**NA**
EW-48	3 22 2007	0.0039	<0.0050	0.0025	0.014	0.020	0.0026	NA	NA
	4 10 2008	**0.164**	0.0093	0.0037	0.0652	0.242	0.0158	0.0108	NA
	5 15 2012	<0.0010	<0.0050	<0.0010	<0.0030	<0.01	<0.0010	<0.0050	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	Well Abandoned							
On-site*		16.8	526	1.69	175	NA	37700	21	NA
EW-49	5 15 2012	**1.57**	**2.13**	**0.838**	4.36	8.898	**0.0591**	**0.171**	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	**0.3852**	0.0358	0.2942	0.2445	0.9597	**0.0343**	**0.1055**	NS
	3 23 2015	**0.7376**	0.6155	0.5185	1.5844	3.4560	**0.0247**	**0.1847**	NS
	8 3 2015	**0.3117**	0.0330	0.2875	0.2021	0.8343	**0.0352**	**0.1093**	NS
SSTL POC 66'		**0.14**	**27.9**	**19.6**	**175**	**NA**	**0.559**	**0.559**	**NA**
EW-50	5 15 2012	**0.691**	0.820	**0.753**	2.78	5.044	**0.0239**	**0.208**	NA
	11 15 2012	NS	NS	NS	NS	NS	NS	NS	NS
	2 15 2013	NS	NS	NS	NS	NS	NS	NS	NS
	5 17 2013	NS	NS	NS	NS	NS	NS	NS	NS
	8 23 2013	NS	NS	NS	NS	NS	NS	NS	NS
	12 2 2013	NS	NS	NS	NS	NS	NS	NS	NS
	2 14 2014	NS	NS	NS	NS	NS	NS	NS	NS
	5 16 2014	NS	NS	NS	NS	NS	NS	NS	NS
	8 26 2014	**0.3143**	0.0274	0.2404	0.1432	0.7253	**0.0305**	**0.0947**	NS
	3 23 2015	**0.2323**	0.0699	0.5182	0.5938	1.4142	0.0084	**0.1533**	NS
	8 3 2015	**0.1957**	0.0089	0.1928	0.0427	0.4401	**0.0263**	**0.0772**	NS
SSTL POC 70'		**0.133**	**26.6**	**18.6**	**175**	**NA**	**0.532**	**0.532**	**NA**

TABLE 3.2
SUMMARY OF GROUND WATER ANALYTICAL RESULTS FOR BTEX, MTBE AND LEAD (mg/l)

WELL/ SAMPLE NO.	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL BTEX	MTBE	NAPHTHA-LENE	LEAD
PW-1	4 2 2004	**Free Product**							
	4 28 2005	**0.59**	**<2.55***	0.12	1.4	<4.66	**<0.17***	**2.5**	0.002
	11 3 2005	**Free Product**							
	3 30 2006	**Free Product**							
	8 17 2006	**0.41**	<0.25	<0.050	0.48	0.89	**<0.05**	**0.35**	NA
	Onsite Private Well Abandoned on December 10, 2007								
PW-2	4 16 2004	<0.0005	<0.0005	<0.0005	<0.0015	<0.003	<0.0005	0.005	NA
	4 29 2005	<0.0005	<0.005	<0.0005	<0.0015	<0.0075	<0.001	<0.001	0.0021
	11 3 2005	<0.001	<0.005	<0.001	<0.003	<0.01	<0.001	<0.005	NA
	3 30 2006	<0.0005	<0.0005	<0.0005	<0.0015	<0.0075	<0.0005	<0.0005	NA
	8 17 2006	Not Sampled							
	6 29 2009	Not Sampled							
	10 28 2009	Person in residence told CDG that the well is not in use and was not accessible							
PW-3	4 16 2004	<0.0005	<0.0005	<0.0005	<0.0015	<0.003	<0.0005	0.005	NA
	4 28 2005	<0.0005	<0.005	<0.0005	<0.0015	<0.0075	<0.001	<0.001	0.0014
	11 3 2005	<0.001	<0.005	<0.005	<0.003	<0.01	<0.001	<0.005	NA
	3 30 2006	<0.0005	<0.0005	<0.0005	<0.0015	<0.0075	<0.005	<0.0005	NA
	8 17 2006	Not Sampled							
	4 10 2008	<0.0005	<0.0005	<0.0005	<0.0015	<0.0075	<0.0005	<0.0005	NA
	6 29 2009	Not Sampled							
	10 28 2009	Not Sampled							
PW-4	4 16 2004	<0.0005	<0.0005	<0.0005	<0.0015	<0.003	<0.0005	0.005	NA
	4 28 2005	<0.0005	<0.005	<0.0005	<0.0015	<0.0075	<0.001	<0.001	<0.001
	11 3 2005	<0.001	<0.005	<0.001	<0.003	<0.01	<0.001	<0.005	NA
	3 30 2006	<0.0005	<0.0005	<0.0005	<0.0015	<0.0075	<0.0005	<0.0005	NA
	8 17 2006	<0.0010	<0.0050	<0.0010	<0.0030	<0.010	<0.0010	<0.0050	NA
	4 10 2008	<0.0005	<0.0005	<0.0005	<0.0015	<0.003	<0.0005	<0.0005	NA
	6 29 2009	<0.001	<0.005	<0.001	<0.003	<0.01	<0.005	<0.005	NA
	10 28 2009	<0.001	<0.005	<0.001	<0.003	<0.01	<0.005	<0.005	NA
	2 18 2010	<0.001	<0.005	<0.001	<0.003	<0.01	<0.005	<0.005	NA
ARBCA ISLs		**0.005**	**1**	**0.7**	**10**	**NA**	**0.02**	**0.02**	**0.015**

Results in mg l
ARBCA - Alabama Risk Based Corrective Action
ISL's - Initial Screening Levels
NA - Not Analyzed for this parameter
NS - Not Sampled well inaccessible during this event
PW-1 (B. Hobbs Well)
PW-2 (R.Davis, 20325 Upper Fort Hampton Road, Well)
PW-3 (R.Davis, 20164 Upper Fort Hampton Road, Well)
PW-4 (Martindale Well)
Bolded cells indicate exceedences of ISLs
*SSTLs of abandoned wells not recalculated

Appendix C
ExoTech Procedures

EXO TECH, INC.
Innovative Environmental Remediation Solutions

Office: 770-207-0222/Fax: 770-207-0221

October 20, 2015

Mr. Michael Kotar
CDG Engineering
612 Wheeler Ave.
Huntsville, Alabama 35801

Subject: Proposal for ISCO Treatment
Eaves Grocery
20420 Upper Fort Hampton Road
Elkmont, Alabama

Per your request, EXO TECH, INC. (EXO TECH) has prepared this proposal to perform an In-Situ Chemical Oxidation (ISCO) injection treatment at the above-referenced facility. This proposal is based on the maps and data that you have provided. We understand the purpose of the treatment is to reduce dissolved petroleum constituents (mainly benzene) in the groundwater.

INTRODUCTION

EXO TECH is a remediation services company specializing in innovative In-Situ/Ex-Situ remediation alternatives tailored to individual site conditions. The company offers a full range of chemical based treatment methods including chemical oxidation, chemical reduction, enhanced bioremediation, and combined remedies ("treatment train") approaches. In order to determine the most effective chemical treatment method and dose, EXO TECH performs treatability evaluations in our in-house laboratory. These methods provide rapid, economical alternatives and can often be applied to sites with existing fixed-based remediation systems. EXO TECH'S application strategies include targeted liquid injection using our mobile delivery vehicles, In-Place (In-Situ) Soil Blending using a proprietary mobile blending head, and Ex-Situ Soil Treatment using a specially modified pug mill. Soil blending treatments are "green friendly" and sustainable promoting recycling versus off-site landfilling.

At EXO TECH, safety is paramount. Our personnel evaluate health and safety concerns from design to field implementation. Daily "tail gate" meetings are conducted prior to the start of each work day to ensure that all parties involved in the work effort are properly informed. EXO TECH field personnel have completed OSHA 40-hour HAZWOPER training (1910.120) with annual 8-hour refreshers, hazardous materials spill response training, American Petroleum Institute (API) health & safety key training, Chevron Loss Control training, Georgia Department of Transportation safe driving instruction, and First Aid/CPR. A site specific health and safety plan is developed for all projects.
EXO TECH is proud of its safety record and has not had an OSHA reportable accident or incident since the company's inception in 2006.

SITE DESCRIPTION

The site is an active gas station in Elkmont, Alabama. Contamination is the result of a release from an underground storage tank used for the storage of gasoline and diesel fuel. There are two areas of concern on the site. An off-site area, mainly the area around MW-19 and an on-site area around monitoring wells MW-9, MW-17 and MW- 4.

CONCEPTUAL DESIGN OF REMEDIAL TREATMENT

EXO TECH understands that the client desires treatment of an approximate 3,000 square foot (ft^2) area. Based on our evaluation of site conditions, we recommend a treatment plan that consists of chemical removal of the constituents of concern. This treatment plan can be broken down as follows:

- Installation of -18- injection wells in the treatment area to an approximate depth of 20 ft. BGS using 10 foot screens;
- Inject a solution of activated sodium persulfate to treat the groundwater.

REACTION CHEMISTRY

Sodium Persulfate Reaction

The basic oxidation reaction for sodium persulfate involves the release of sulfate radicals and is generally described as follows:

$$S_2O_8^{-2} + \textit{activator} \rightarrow SO_4^{\cdot -} + (SO_4^{\cdot -} \text{ or } SO_4^{-2})$$

where $S_2O_8^{-2}$ is the persulfate ion, $SO_4^{\cdot}$ is the sulfate radical, and SO_4^{-2} is the sulfate anion.

Activators in the equation include transition metal catalysts, pH adjusters, heat, etc. Oxidation reactions involving the sulfate radical result in by-products of carbon dioxide, water, and benign sulfate salts.

SCOPE OF WORK

Specifics to the proposed scope of work are as follows,

- EXO TECH will prepare a site specific health and safety plan (HASP) prior to start-up of the work effort. Equipment and security measures, and other logistical considerations will also be discussed with the client during prior to mobilization.
- Exo Tech will mobilize to the site to oversee and install -18- new injection wells inside the treatment area, -6- wells in the off-site area and -12- wells in the on-site area. The new wells will be one inch PVC installed with 10 foot screens to a depth of approximately 20 BGS.

- Following the installation of the new wells, injection of a sodium persulfate solution (activated with sodium hydroxide) will be performed into the newly installed injection wells. Due to the varying concentrations from the on-site wells and the off-site wells a different concentration will be injected. In the off-site wells a total of -220- pounds of sodium persulfate will be dissolved into approximately -100- gallons of water and injected into each of the -6- wells. The on-site wells a total of -330-pounds of sodium persulfate will be dissolved into approximately -100- gallons of water and injected into each of the -12- wells. A total of -1,320- pounds of sodium persulfate will be injected into the off-site area and a total of -3,960- pounds of sodium persulfate will be injected into the on-site area. This will require 3 days to complete depending upon site conditions.

- Chemical delivery during injection will be provided using EXO TECH'S truck mounted mobile injection vehicle(s) equipped with mounted high speed mixing tanks, chemical compatible pumps, and safety equipment. Due to the inherent danger in handling and injecting chemicals, EXO TECH personnel will wear modified level C PPE, including skin, face, and respiratory protection, at all times and will limit un-authorized access to the work area.

- EXO TECH will prepare a summary report after completion of the field activities for electronic submittal to the client.

The price to perform this scope is **$43,500.00.**

This scope was built with the following assumptions:

- EXO TECH'S cost include the installation of -18- new injection wells and the delivery via low pressure injection of approximately -5,280- pounds of sodium persulfate. Costs will be adjusted in the event that significant variations occur in the chemical quantities delivered. In the event that site conditions prevent the successful injection or placement of all chemicals purchased, a restocking fee may be assessed.

- This proposal *does not* include injection permitting. EXO TECH will assist the client in obtaining an injection permit, if requested.

- It is assumed that an on-site source of potable water will be provided for use in chemical dilution. It is also assumed that the client will provide a secure area for storage of chemical reagents and injection vehicles after hours.

- It is assumed that EXO TECH will be granted access to the adjacent property for well installation and injection work.

- The entire work effort is assumed to require a maximum of 3 days to complete during normal business hours. Additional costs may be incurred if the work effort exceeds the allotted days due to unforeseen delays or in the event that work is required after hours or on weekends.

- The cost of this proposal is based on current prices for subcontractors, material, and labor and is subject to change if work has not commenced within -60- days from the date of this proposal.

- This proposal is not being offered with a warranty related to reaching target treatment goals. Chemical oxidation always results in contaminant mass reduction due to the breakdown of carbon bonds. Recent studies evaluating stable carbon isotope fractions in the soil and groundwater have confirmed the destruction of carbon bonds as a result of chemical oxidation. However, concentrations in the dissolved phase may initially increase following an injection, due to desorption of contaminants from the soil to water phase, depending on the amount of contaminant present. An additional injection treatment is often required to treat the desorbed contaminants.

Please contact us if you have questions or need further information at 770-207-0222.

Sincerely,

Brantley Rudd
Vice President

Appendix D
Columbia Technologies High Resolution Site Evaluation Report

Eaves Grocery
High Resolution Site Evaluation Report

COLUMBIA TECHNOLOGIES

Tue Mar 31 2015

Project Location: 20420 Upper Fort Hampton Rd Elkmont, Alabama 35620

Client

Mike Kotar
CDG Engineers & Associates Inc
612 Wheeler Avenue Northwest
Huntsville, Alabama 35801

Sensor Technologies

- [x] Membrane Interface Probe with Hydraulic Profiling Tool (MiHPT)
- [ ] Membrane Interface Probe (MIP)
- [ ] Hydraulic Profiling Tool (HPT)
- [x] Electrical Conductivity (EC)
- [ ] Low Level MiHPT (LLMiHPT)
- [x] Laser Induced Fluorescence (LIF) - Ultraviolet Optical Screening Tool (UVOST®)

Membrane Interface Probe Detectors

- [x] Photo Ionization Detector (PID)
- [x] Flame Ionization Detector (FID)
- [x] Halogen Specific Detector (XSD)
- [ ] Electron Capture Detector (ECD)

Notes/Anomalies

Sample Dates	# of Locations	Survey Depth	Aquisition Software Version	Operator
Mon Mar 23 2015 - Thurs Mar 26 2015	40	38.041 Feet	Geoprobe DI Acquisition Software for Windows Version 1.3, Dakota Technologies, Optical Screening Tool (OST)	Greg Jones

Copyright 2015 -All Rights Reserved - Data contained herein is proprietary to COLUMBIA Technologies, LLC (COLUMBIA), and may not be used, disclosed, reproduced, recorded, modified, performed, or displayed, in whole or in part, without the prior written approval of COLUMBIA. This data is provided for review purposes only, with no transfer of License Rights. This data represents Trade Secrets and is non-releasable under the Freedom of Information Act.

Electrical Conductivity (EC)
EC continuously measures soil electrical conductivity by transmitting a low level alternating electrical current through the soil between electrically isolated sensor pins of the probe and the probe body. The voltage response of the imposed current to the soil is measured across these same two points. Conductivity, the inverse of resistivity, is measured in milliSiemens/meter (mS/m). The probe is reasonably accurate in the range of 5 to 400 mS/m. In general lower conductivity values are characteristic of larger grain soil types while higher conductivities are characteristic of finer sized particles such as finer sand, silts, and clays.

Hydraulic Profile Tool (HPT)
HPT continuously measures the hydraulic conductivity of the soil by injecting the constant flow of water through a small stainless steel screen into the soil formation and measuring the hydraulic pressure at both the pump source and the injection port vs. depth. The flow rate of the water into the soil formation is also measured and recorded in milliliters per minute (mL/min) versus depth. Static formation hydraulic pressure measurements (dissipation tests) can also be made by stopping at discrete intervals to determine the static water level. The HPT software can also provide an estimate of K (a value used in hydrogeologic calculations) to provide an interpretation of the hydraulic permeability of the formation.

Membrane Interface Probe (MIP)
MIP continuously measures total chemical detector response to volatile organic compounds (VOCs) vs. depth. The operating principle is based on heating the soil and/or water around a semi-permeable polymer membrane to 121° Celsius (C), volatilizing VOCs that then partition across this membrane. Nitrogen is used as an inert carrier gas, and travels from a surface supply down a transfer tubing which sweeps across the back of the membrane and returns any captured VOCs to the installed detectors at the surface. It takes approximately 60 seconds for the nitrogen gas stream to travel through 50 meters of inert tubing and reach the detectors (see detectors below). Detector response is recorded in microvolts vs. depth. The MIP can be used in saturated or unsaturated soils, as water does not pass through the membrane.

Photo Ionization Detector (PID)
The PID consists of a special 10.2 electron volt (eV) ultraviolet lamp that emits sufficient energy to ionize most aromatics such as benzene, toluene, xylene, etc., and many other molecules with an ionization potential below 10.2 eV. The PID also emits a response for chlorinated compounds containing double-bonded carbons (halogenated ethylenes), such as trichloroethylene (TCE) and tetrachloroethylene (PCE).

Flame Ionization Detector (FID)
The FID utilizes a hydrogen flame to combust compounds in the carrier gas and responds to any molecule with a carbon-hydrogen bond.

Halogen Specific Detector (XSD)
The XSD consists of a ceramic probe, platinum wire (anode) and platinum bead (cathode) mounted inside a high temperature reactor. The XSD is sensitive and provides a linear response to the quantity of halogen.

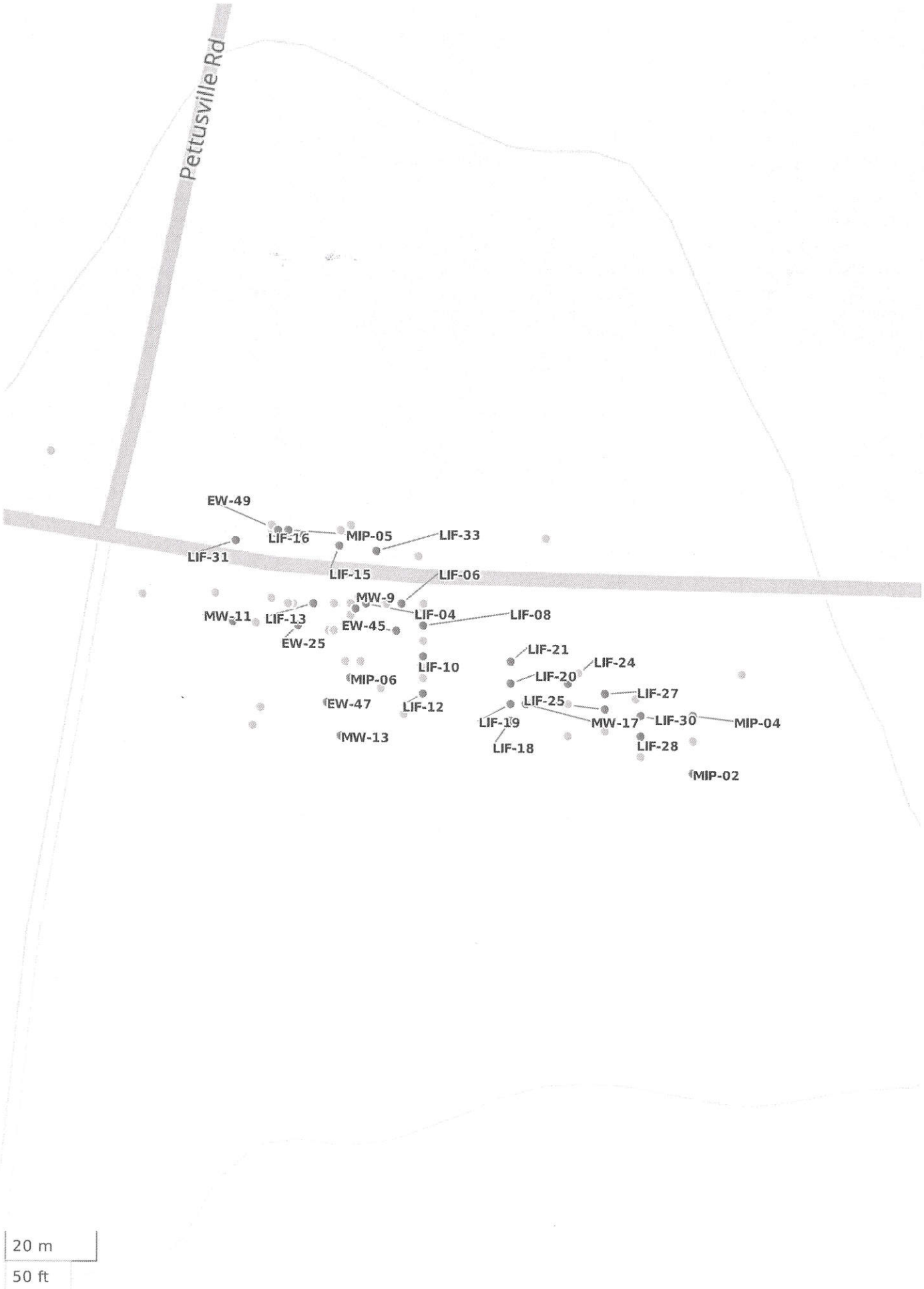
Electron Capture Detector (ECD)
The ECD detector consists of a sealed stainless steel cylinder containing radioactive Nickel-63, similar to a household smoke detector, that emits beta particles (electrons), which collide with the instrument carrier gas molecules, ionizing them in the process. When electro-negative compounds including chlorinated, fluorinated, or brominated molecules enter the cell, they immediately combine with the free electrons and provide a detector response. The ECD response is non-linear and variable depending on the atomic structure of the compound detected.

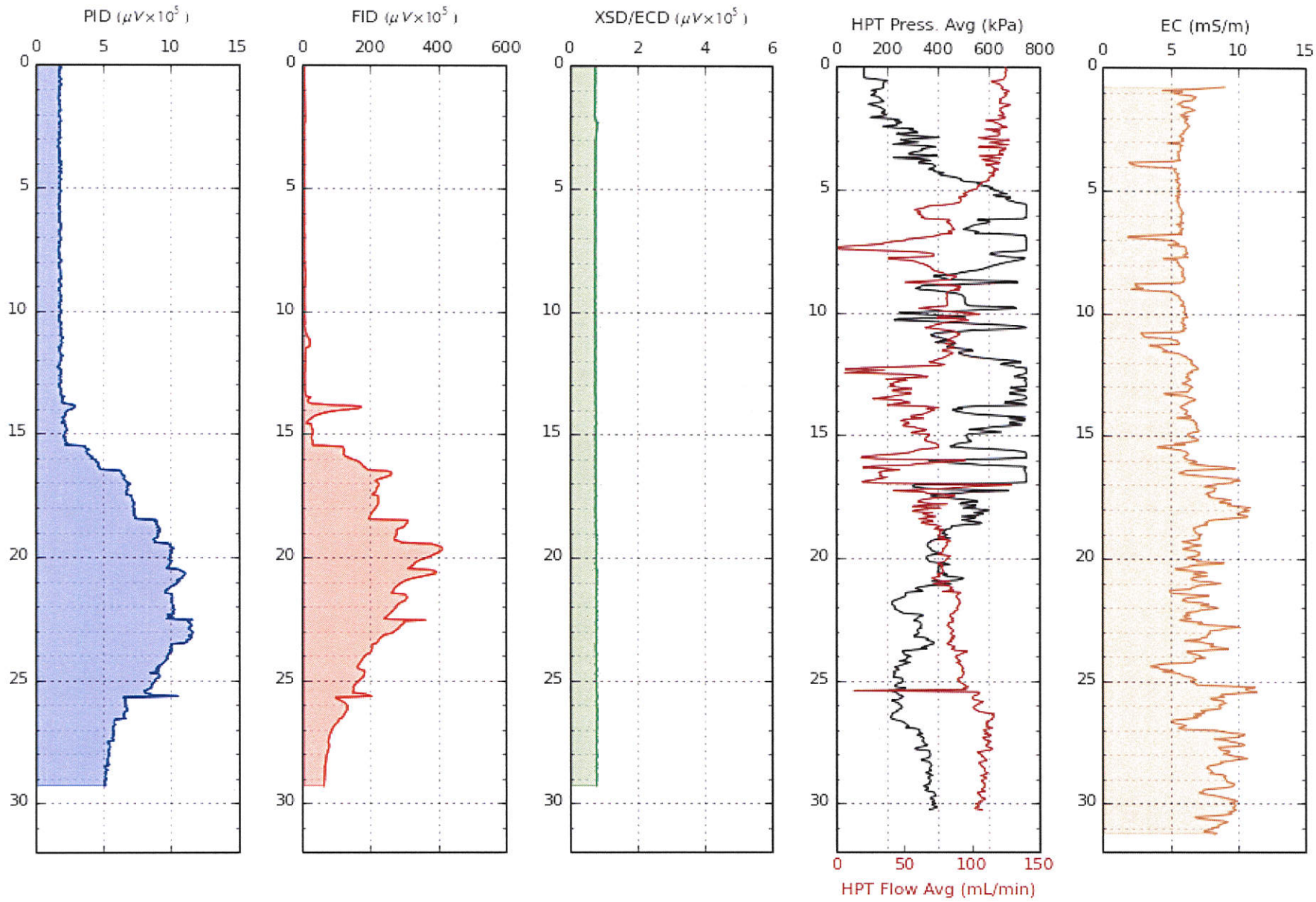
Low Level MIP (LL-MIP)
LL MIP can greatly increase the sensitivity of the MIP logging tool. The primary feature of LL MIP technology is that the carrier gas stream that sweeps the internal surface of the MIP membrane is pulsed. This results in an increase in the concentration of VOC contaminant delivered to the MIP detectors. This technology can provide the ability to track and map contaminant plumes down to concentrations at or below the 100 ppb range for some contaminants. Performance is highly dependent on the condition of the MIP system and the sensitivity of the installed detectors.

Laser Induced Fluorescence - UltraViolet Optical Screening Tool (LIF-UVOST®)
The LIF/UVOST® system uses a high- energy laser to produce an ultraviolet light source for the detection of polycyclic aromatic hydrocarbons (PAHs). The LIF/ UVOST® system employs a excitation beam of light from a XeCl laser at 308 nm light pulsed at 50 megahertz. Any residual phase PAHs present in the soil grains will absorb this photon energy in the form of fluorescence. This fluorescence is returned to the optical detection system via a second silica fiber optic line, measured, and recorded in real time across four specific wavelengths, namely 350, 400, 450, and 500 nm. Individual LIF/UVOST® logs consist of a primary graph of total fluorescence as a percentage of a Reference Emitter (RE) test standard versus depth, an information box and up to five waveform callouts. These callouts present the fluoresce intensity of each of the monitored wavelengths on the Y-axis (in microvolts (uV)). The four peaks are due to the fluorescence at the four monitored wavelengths called channels. Each channel is assigned a color. Various NAPLs will have a unique waveform signature based on the relative amplitude of the four channels and/or the broadening of one or more of the channels. Performance Testing: All detector systems are tested before and after each survey location to verify proper system response to known reference values. Records of these performance tests are kept with the project and system operating logs. UVOST® is a registered trademark of Dakota Technologies, Inc.

PETTUSVILLE RD
PETTUSVILLE RD
UPPER FORT HAMPTON RD
Locke
Crossroad
50 m
300 ft

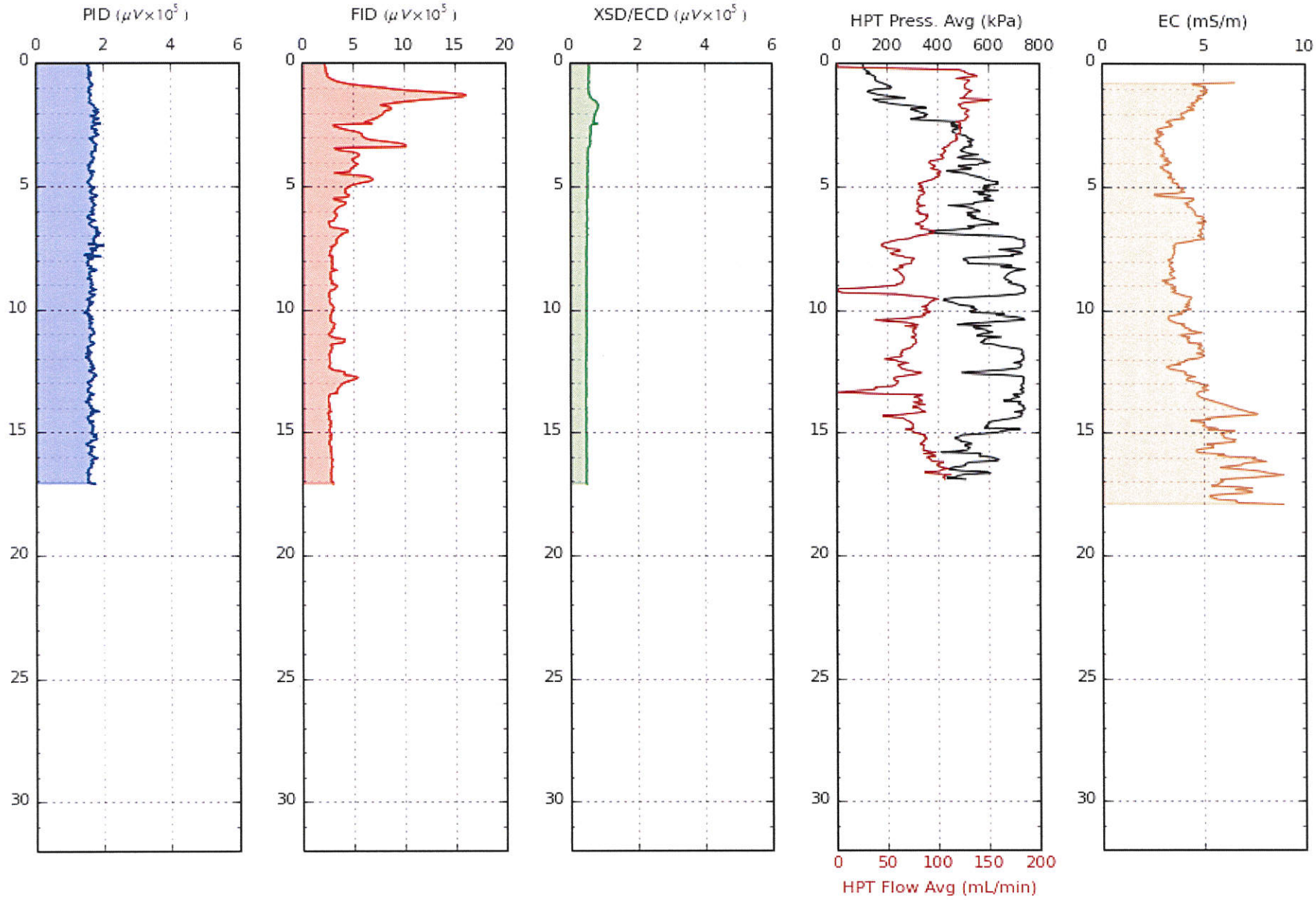
Pettusville Rd
Locke Crossroads
Upper Fort Hampton Rd
MW-19
MW-30
LIF-02
LIF-17
EW-44
MW-21
LIF-32
EW-43
LIF-34
MW-18
MW-26
LIF-05
MW-10
LIF-01
LIF-09
LIF-26
MW-34
EW-42
EW-50
MW-7
MW-4
MW-33
MW-5
MW-14
LIF-14
MW-8
EW-40
MW-3
LIF-11
MIP-03
MW-28
LIF-23
LIF-07R
EW-48
EW-46
LIF-03
LIF-22
LIF-29
MW-6
MIP-01
30 m
100 ft


Pettusville Rd
EW-49
LIF-16
MIP-05
LIF-33
LIF-31
LIF-15
LIF-06
MW-9
MW-11
LIF-13
LIF-04
LIF-08
EW-45
EW-25
LIF-21
LIF-10
LIF-24
MIP-06
LIF-20
LIF-27
EW-47
LIF-12
LIF-25
LIF-19
MW-17
LIF-30
MIP-04
MW-13
LIF-18
LIF-28
MIP-02
20 m
50 ft



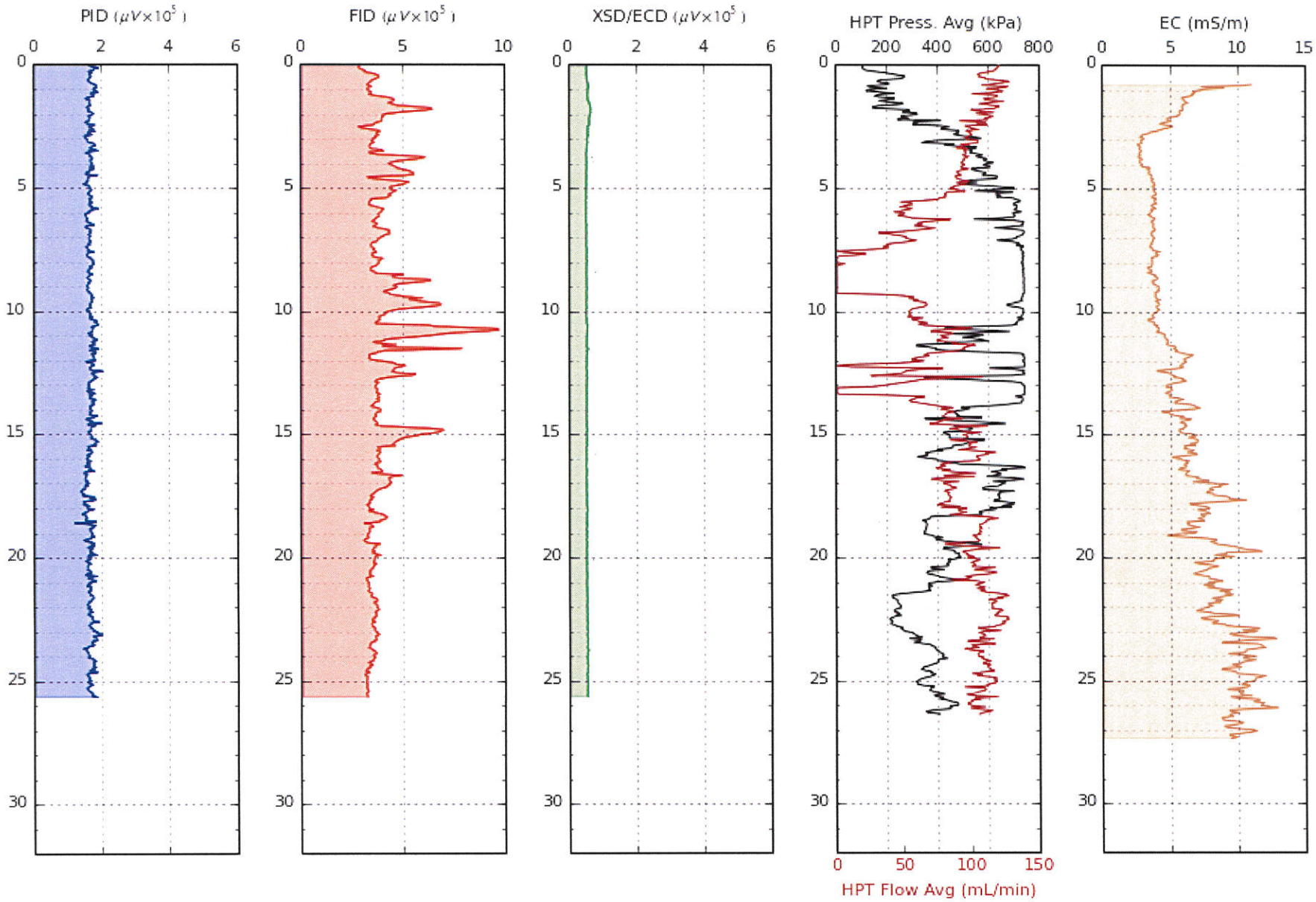
COLUMBIA TECHNOLOGIES

Project	*Scale*	*Date*	*Station*
Eaves Grocery	Individual	2015-03-25	**MIP-01**



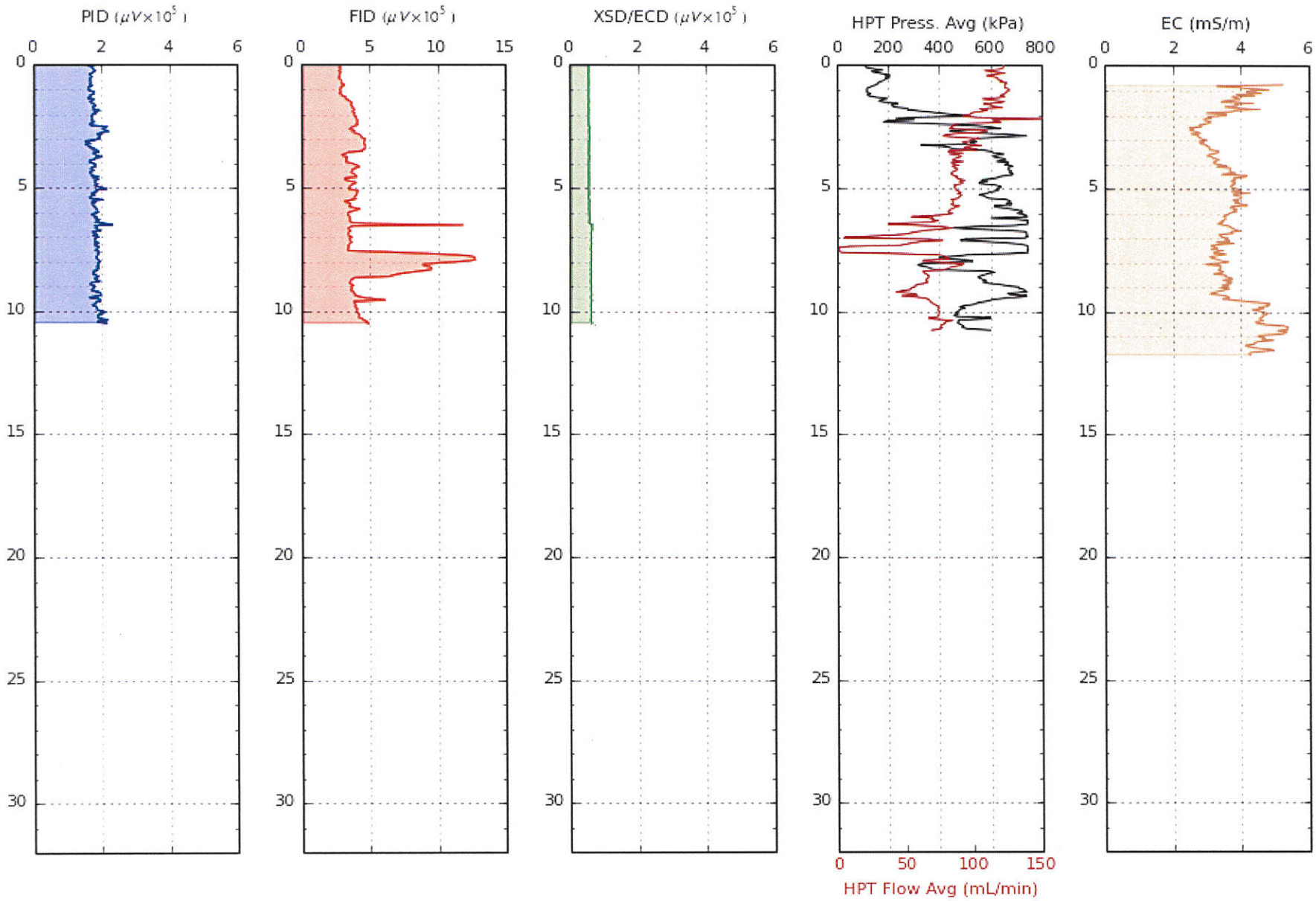
COLUMBIA TECHNOLOGIES

Project	*Scale*	*Date*	*Station*
Eaves Grocery	Individual	2015-03-26	**MIP-02**



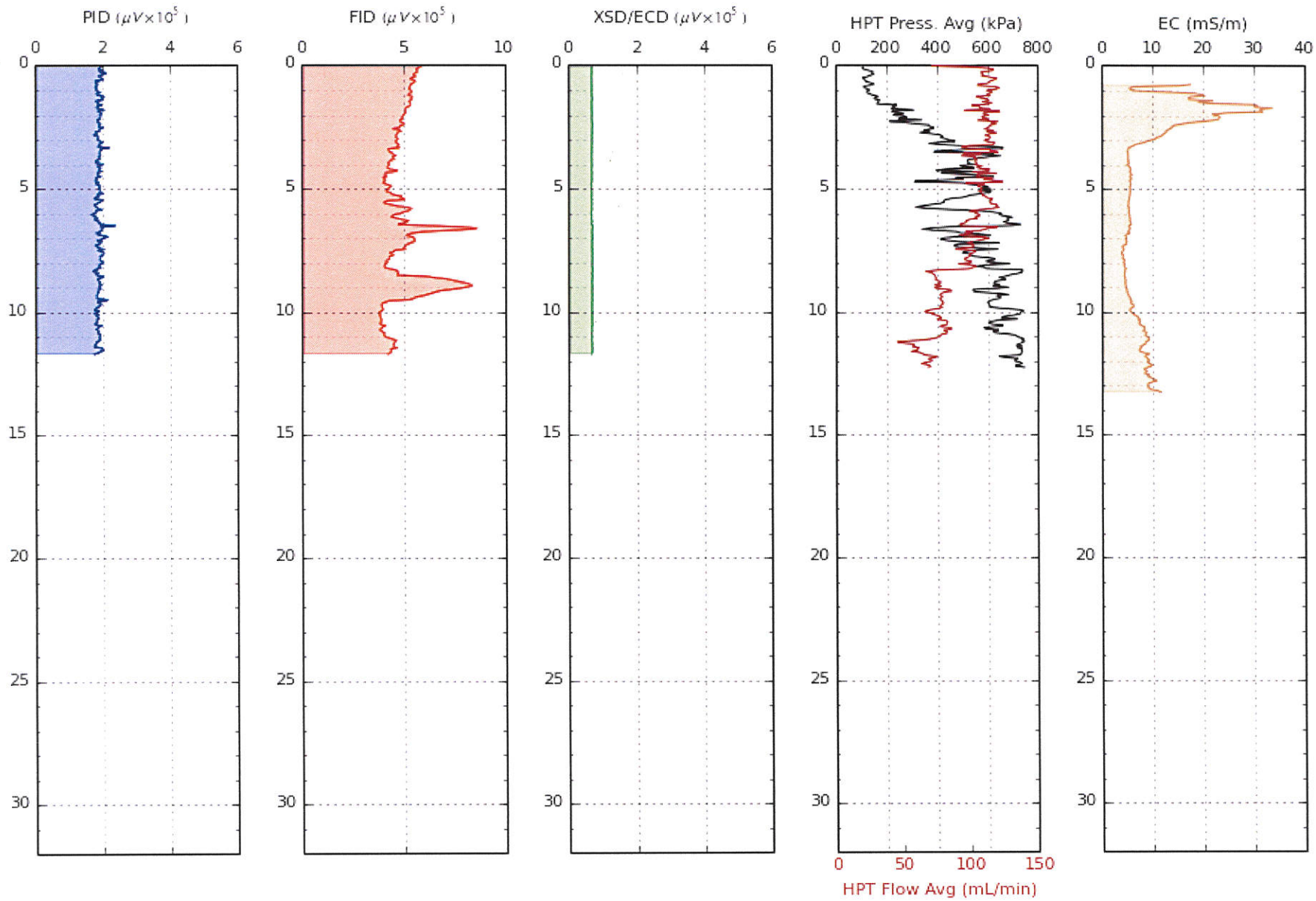
COLUMBIA TECHNOLOGIES

Project	*Scale*	*Date*	*Station*
Eaves Grocery	Individual	2015-03-26	**MIP-03**



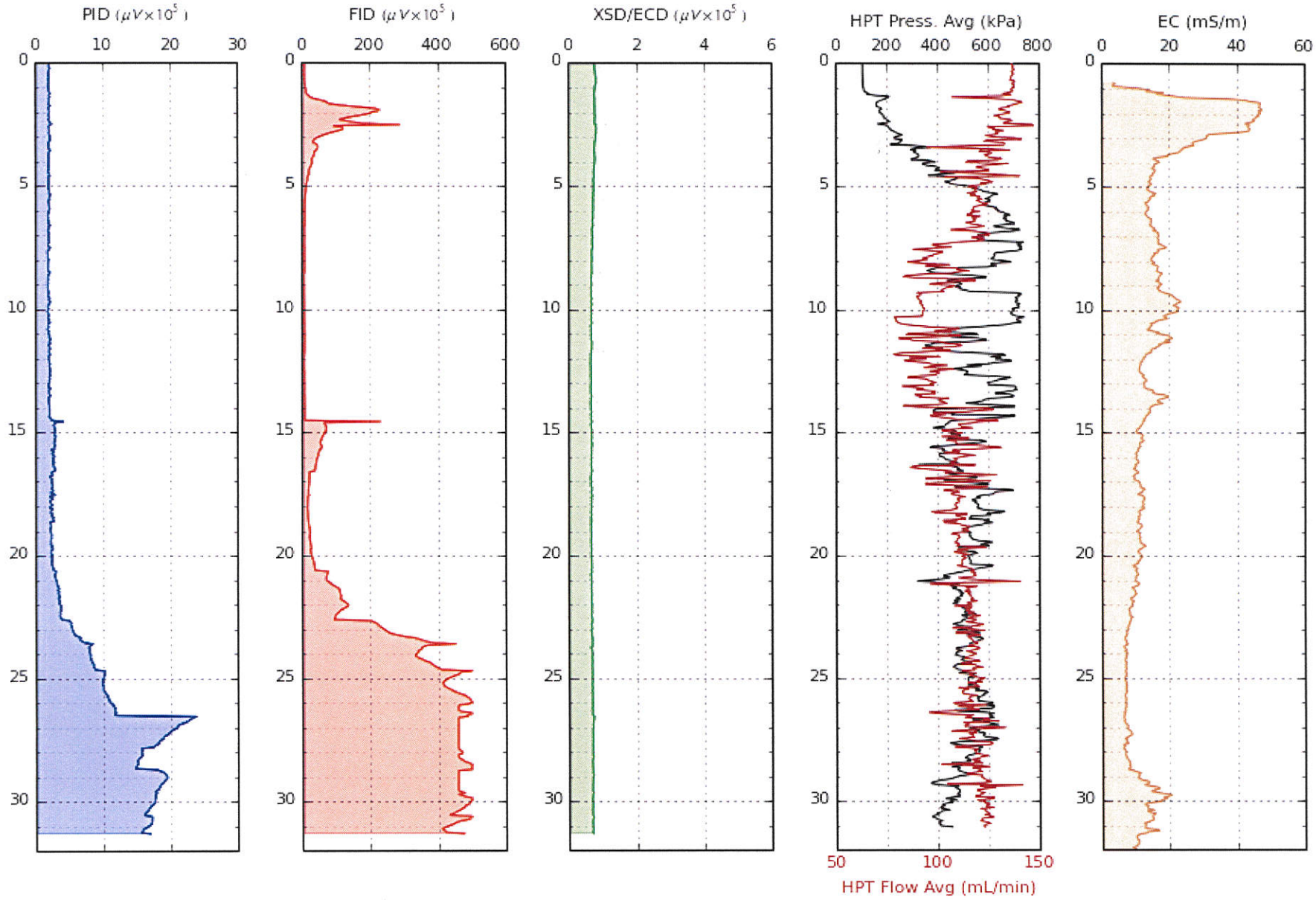
COLUMBIA TECHNOLOGIES

Project	*Scale*	*Date*	*Station*
Eaves Grocery	Individual	2015-03-26	**MIP-04**



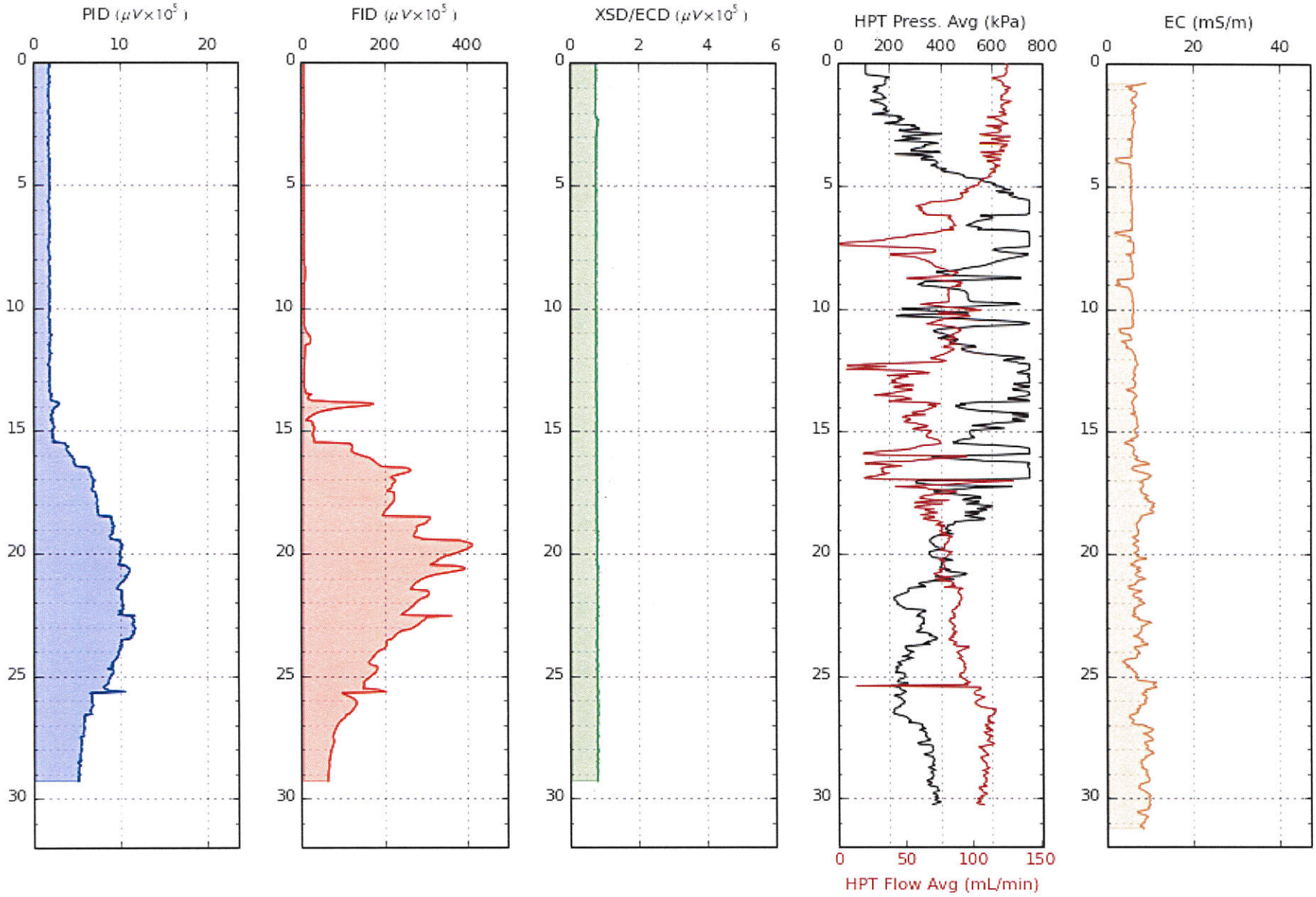
COLUMBIA TECHNOLOGIES

Project	*Scale*	*Date*	*Station*
Eaves Grocery	Individual	2015-03-26	**MIP-05**



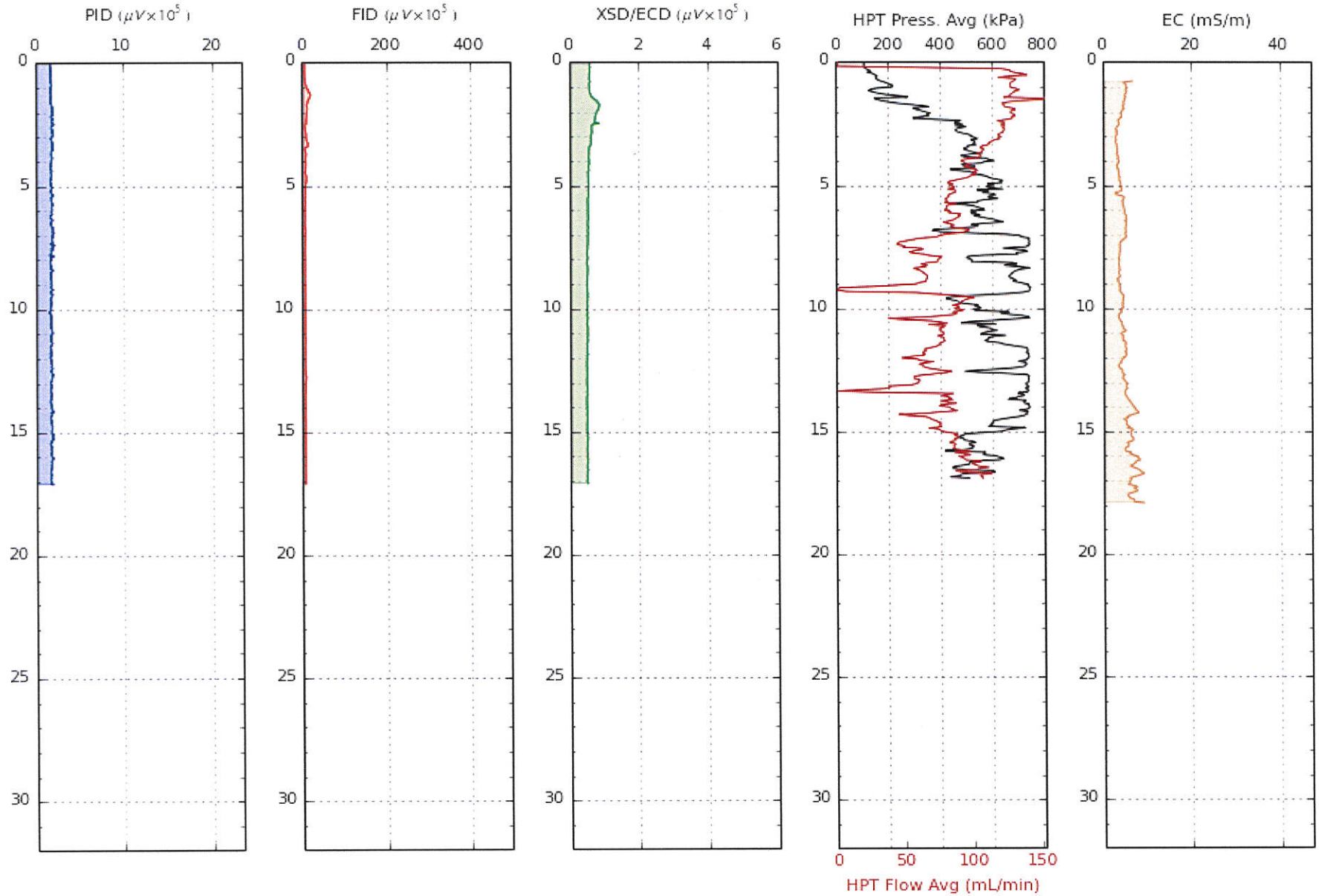
COLUMBIA TECHNOLOGIES

Project	*Scale*	*Date*	*Station*
Eaves Grocery	Individual	2015-03-26	**MIP-06**



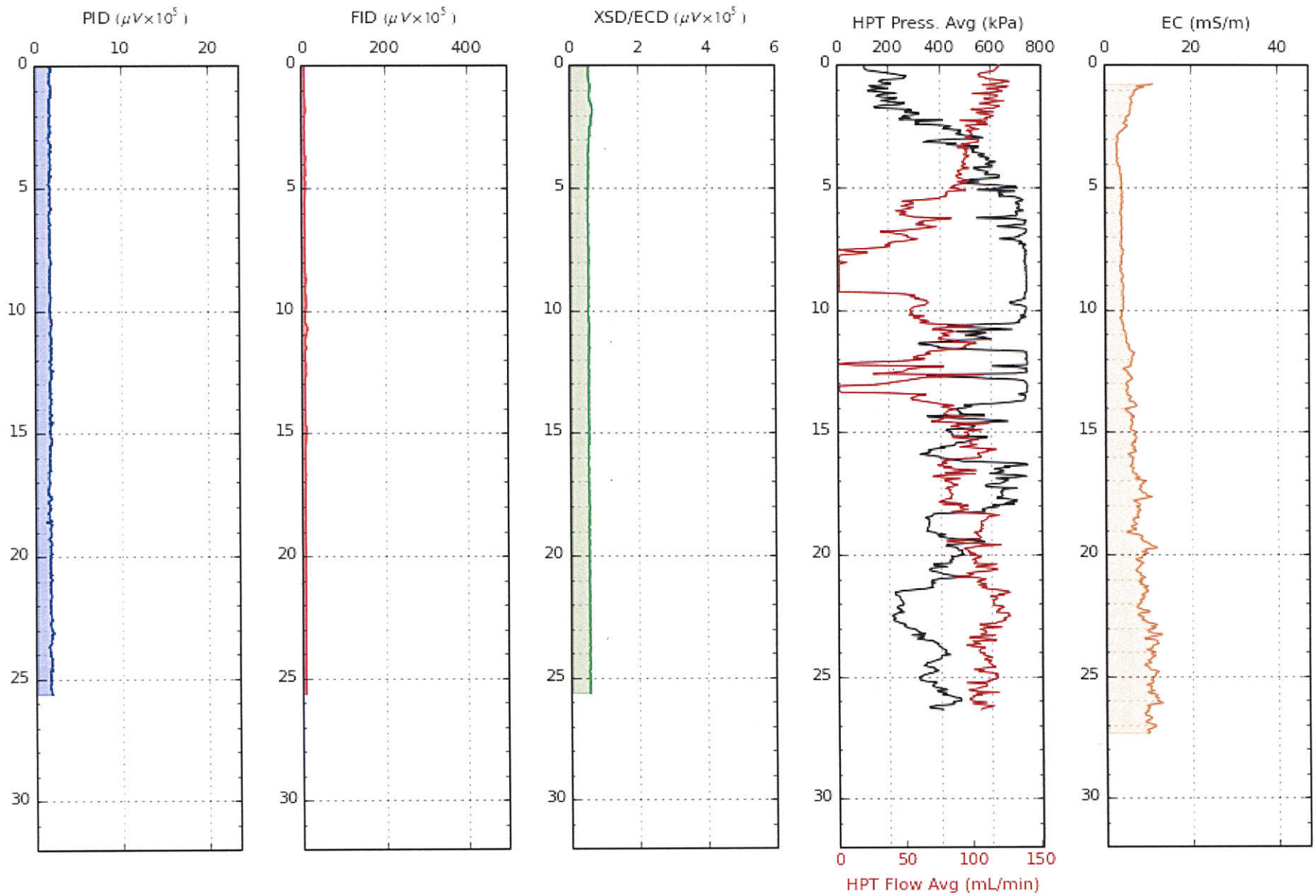
COLUMBIA TECHNOLOGIES

Project	*Scale*	*Date*	*Station*
Eaves Grocery	Collective	2015-03-25	**MIP-01**



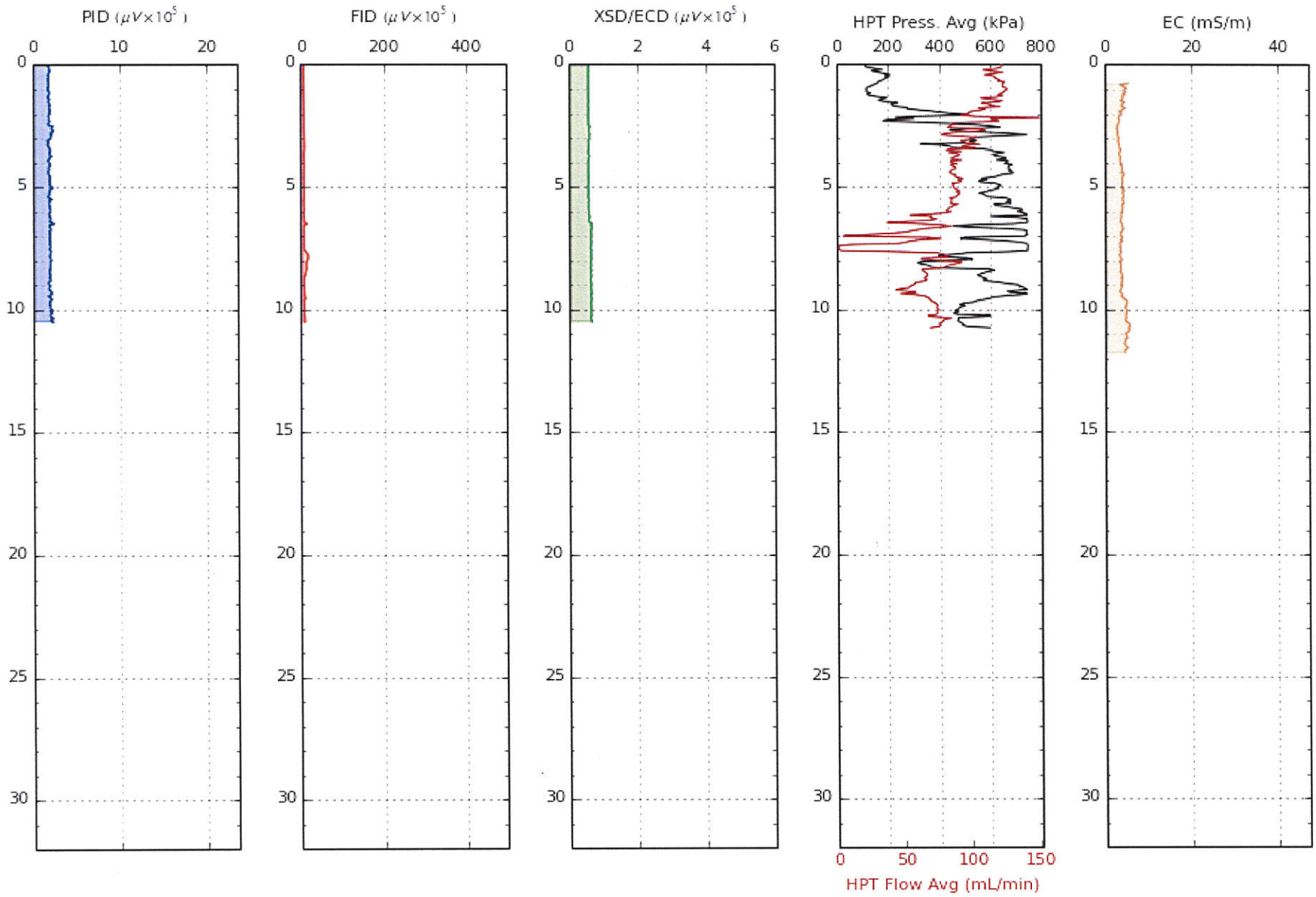
COLUMBIA TECHNOLOGIES

Project	*Scale*	*Date*	*Station*
Eaves Grocery	Collective	2015-03-26	**MIP-02**



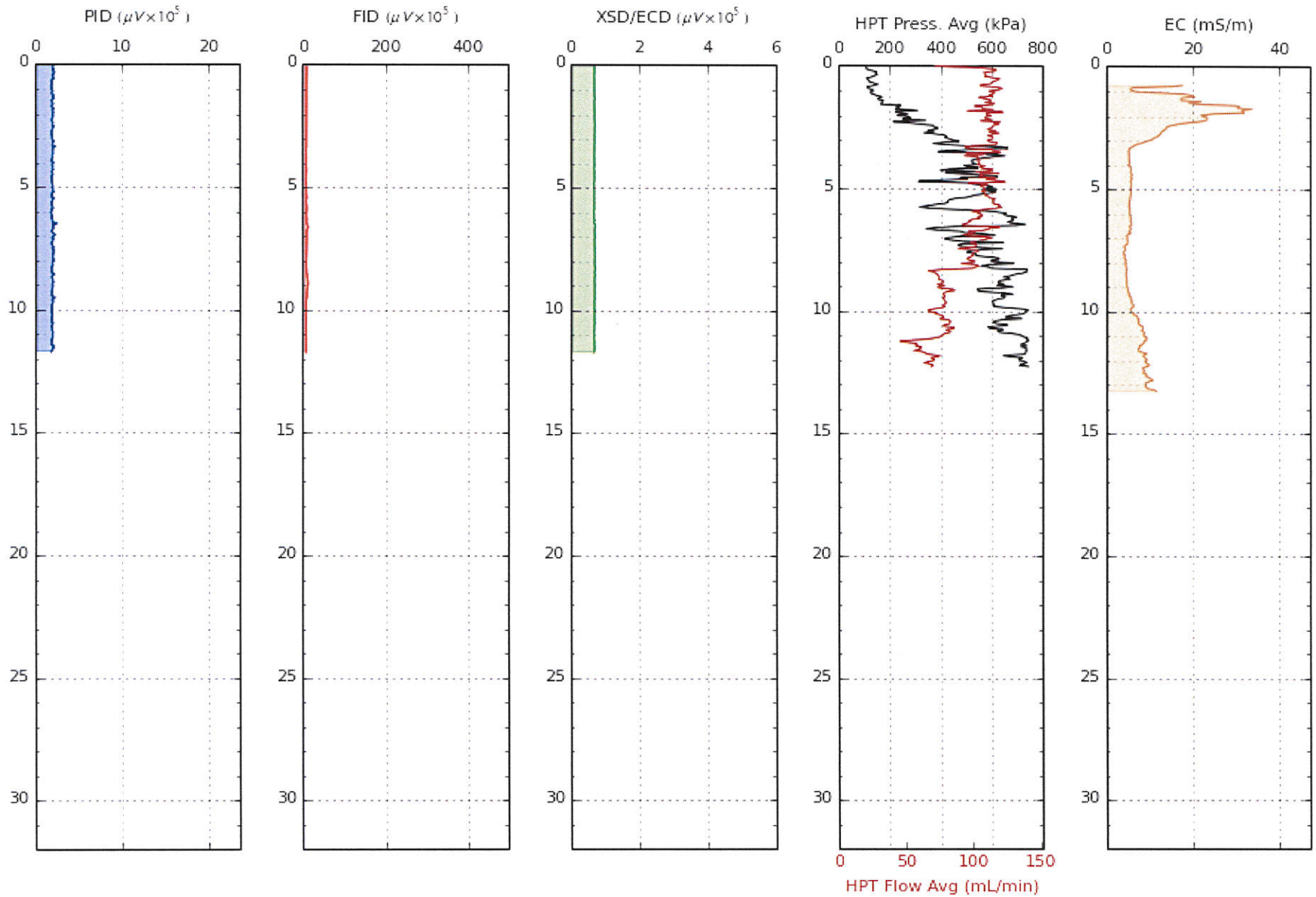
COLUMBIA TECHNOLOGIES

Project	*Scale*	*Date*	*Station*
Eaves Grocery	Collective	2015-03-26	**MIP-03**



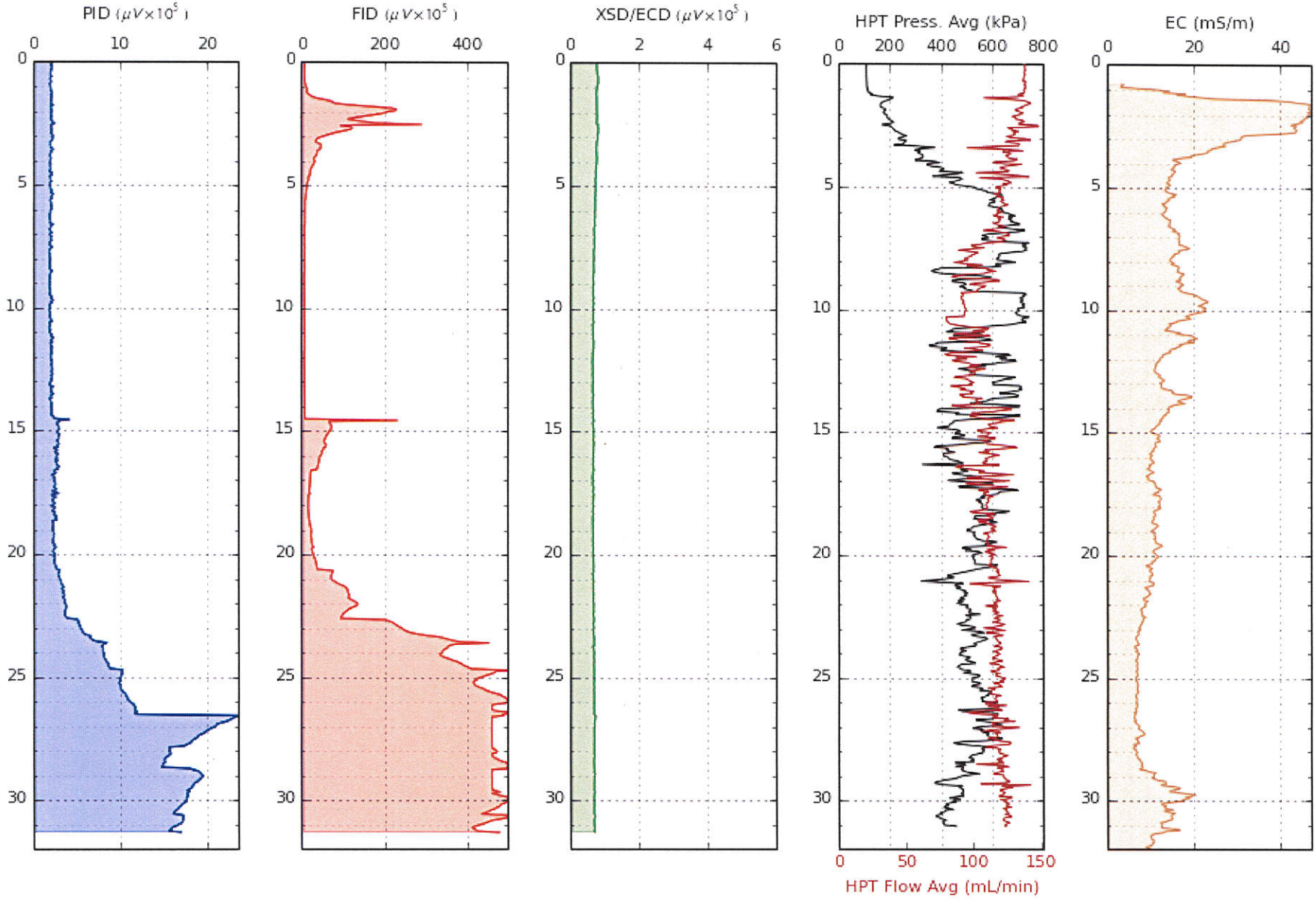
COLUMBIA TECHNOLOGIES

Project	*Scale*	*Date*	*Station*
Eaves Grocery	Collective	2015-03-26	**MIP-04**



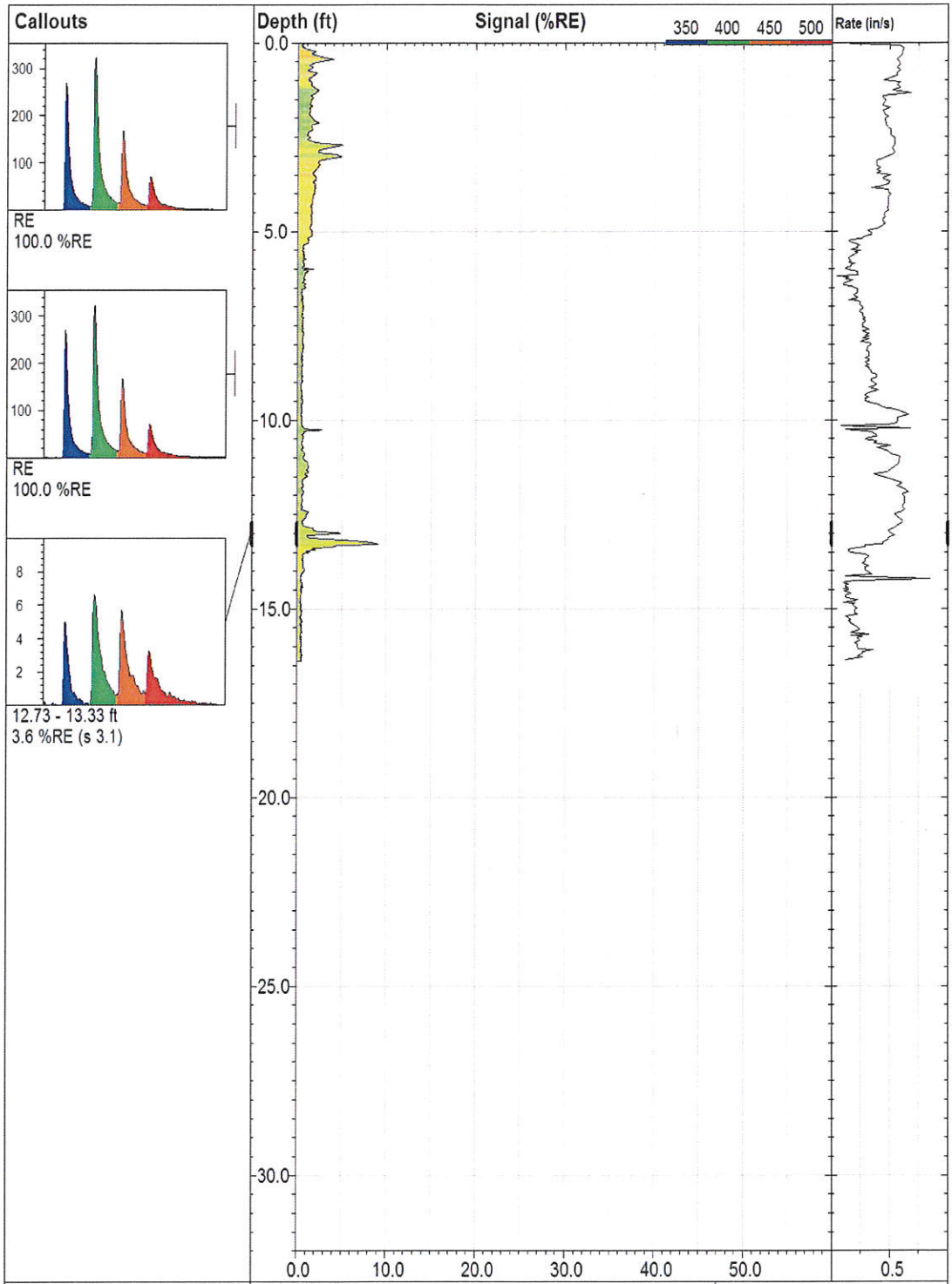
COLUMBIA TECHNOLOGIES

Project	*Scale*	*Date*	*Station*
Eaves Grocery	Collective	2015-03-26	**MIP-05**



COLUMBIA TECHNOLOGIES

Project	*Scale*	*Date*	*Station*
Eaves Grocery	Collective	2015-03-26	**MIP-06**



COLUMBIA TECHNOLOGIES	**LIF-01**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **16.39 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **9.1 %RE @ 13.29 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-23 08:45 CDT**

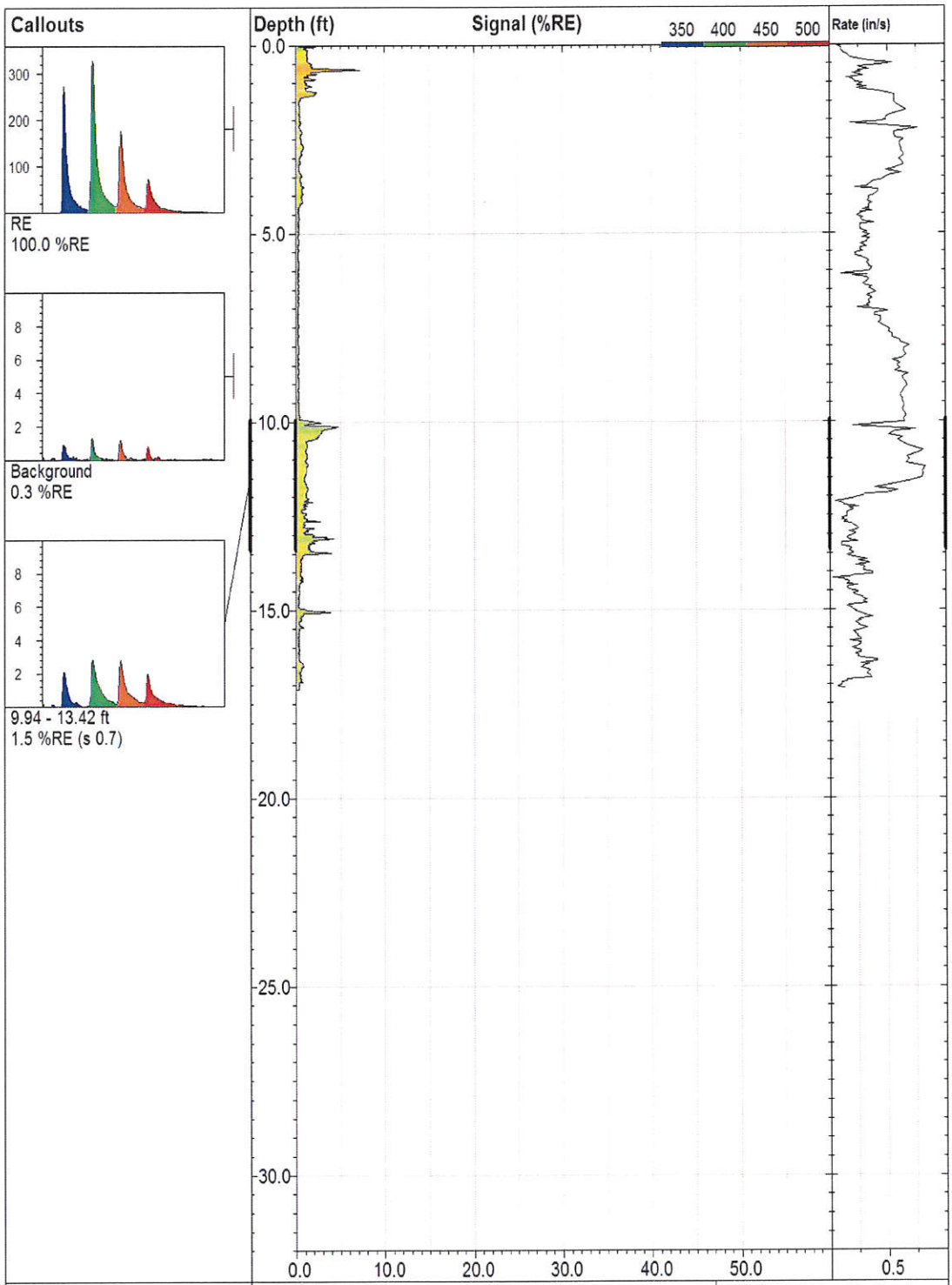
Station **LIF-01**

Date 2015-03-23

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-02**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **17.10 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **7.3 %RE @ 0.65 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-23 09:50 CDT**

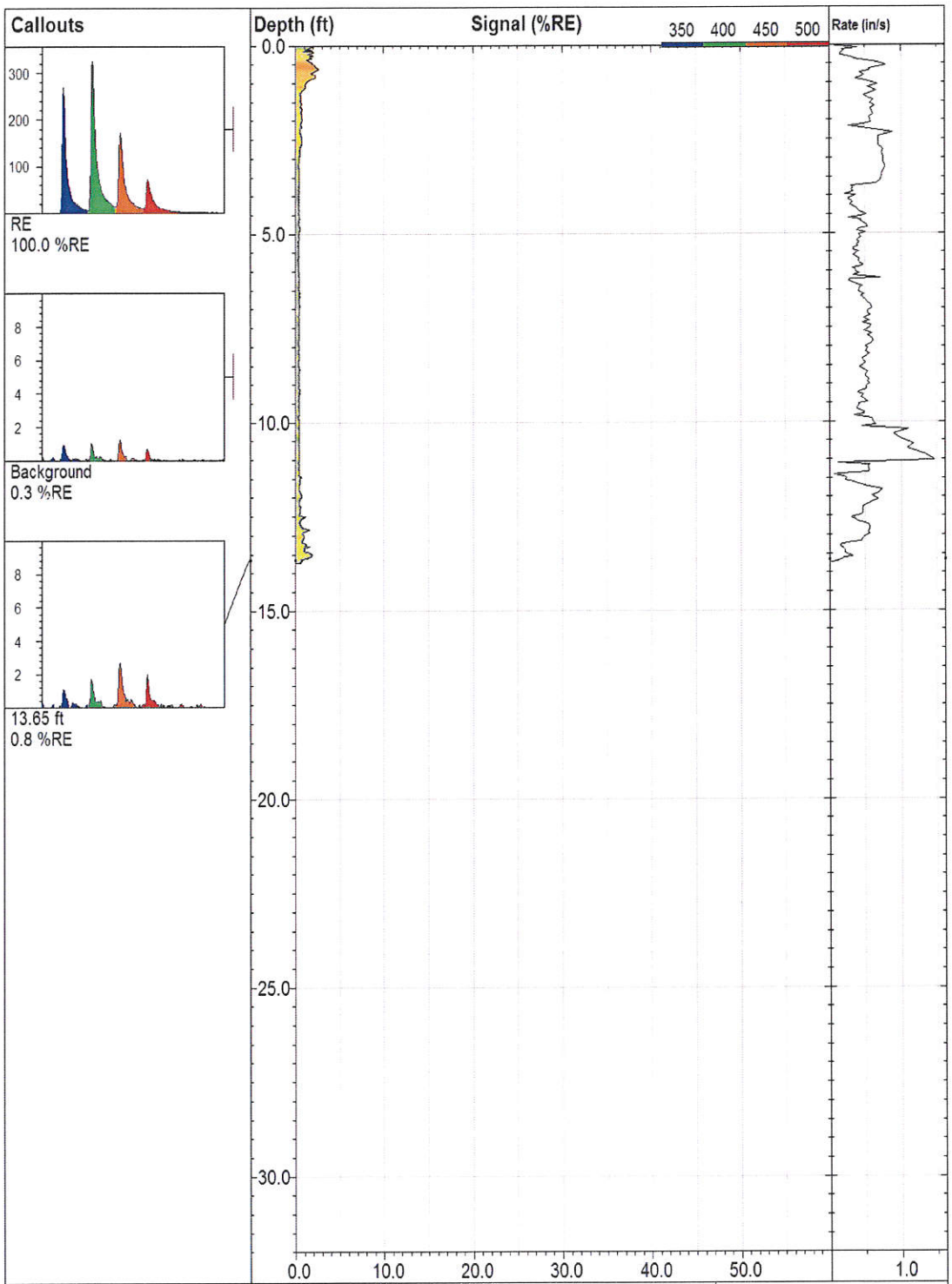
Station **LIF-02**

Date 2015-03-23

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-03**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **13.74 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **2.6 %RE @ 0.63 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-23 10:20 CDT**

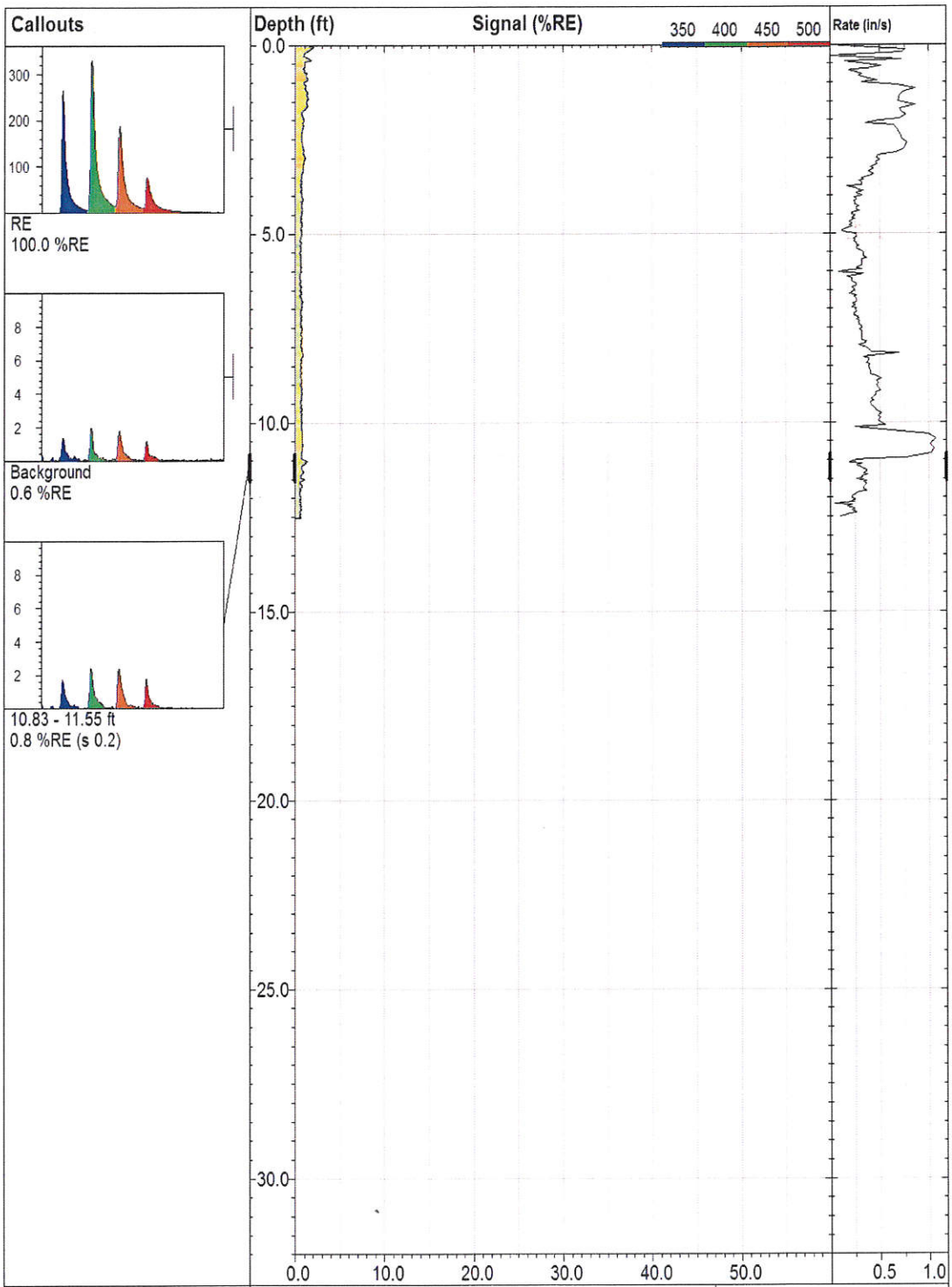
Station **LIF-03**

Date 2015-03-23

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-04**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **12.53 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **2.9 %RE @ 0.00 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-23 10:42 CDT**

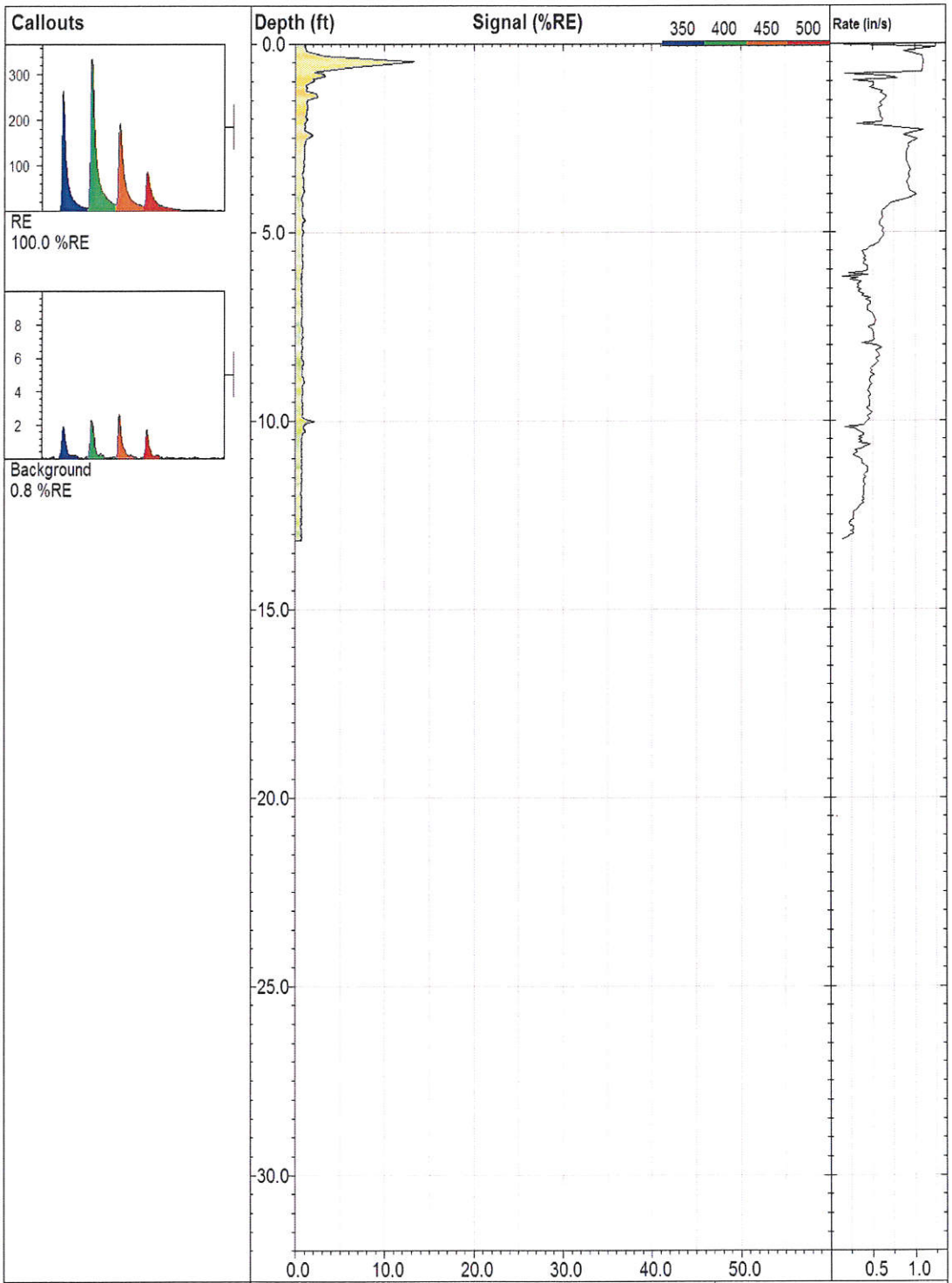
Station **LIF-04**

Date 2015-03-23

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-05**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **13.17 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **13.3 %RE @ 0.48 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-23 11:19 CDT**

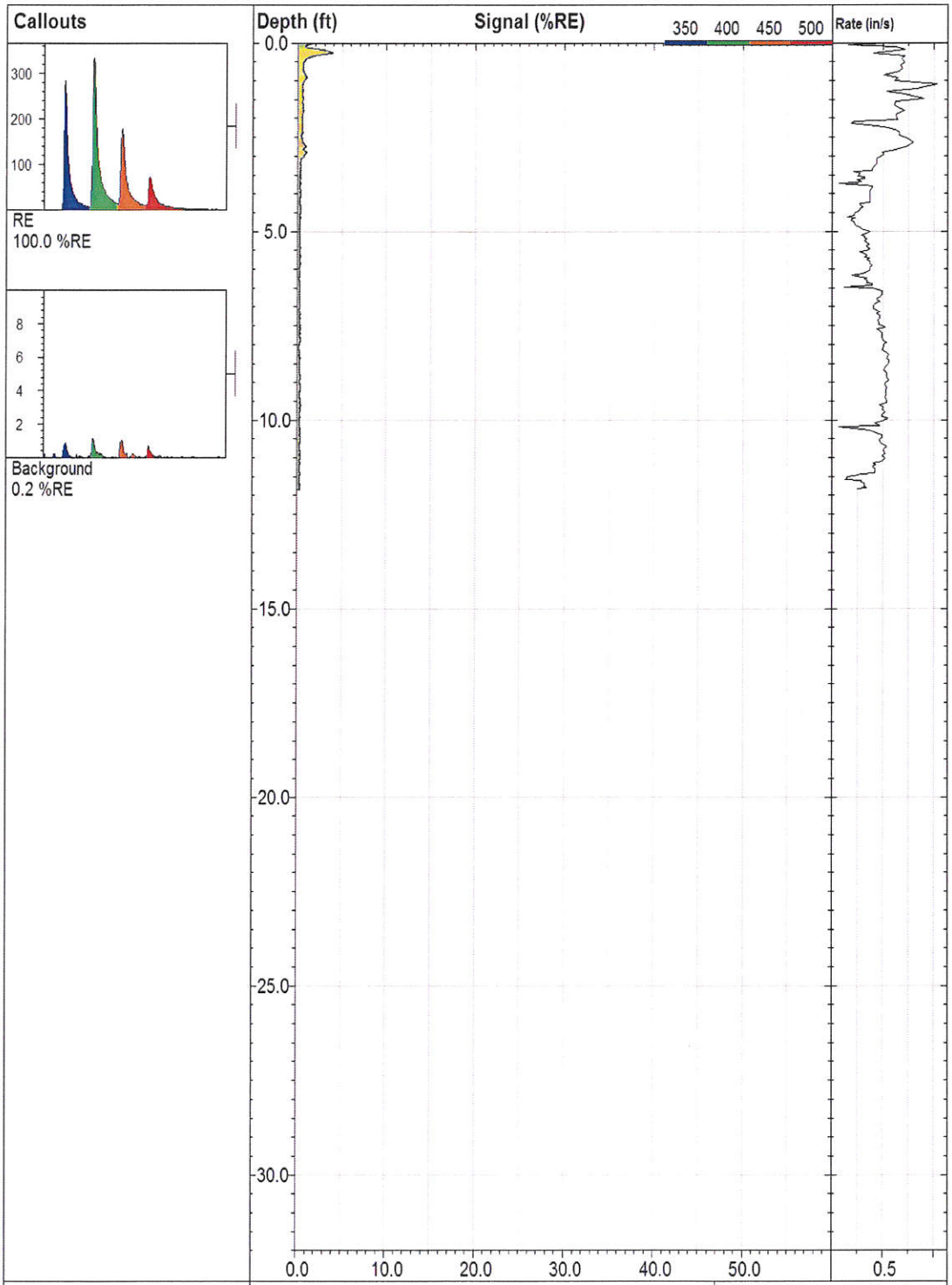
Station **LIF-05**

Date 2015-03-23

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-06**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **11.84 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **3.9 %RE @ 0.26 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-23 11:57 CDT**

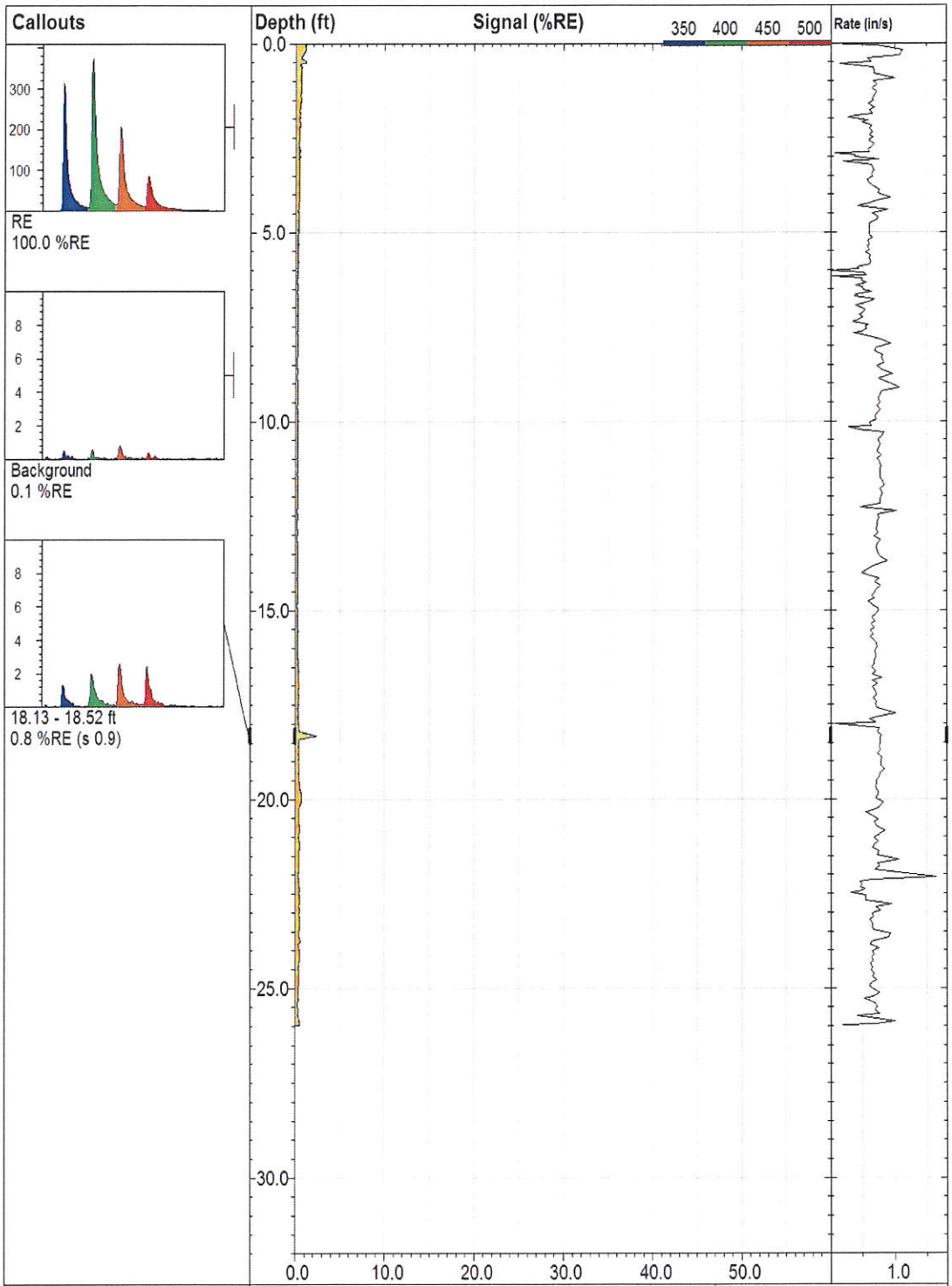
Station **LIF-06**

Date 2015-03-23

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-07R**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **25.98 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **2.4 %RE @ 18.32 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-25 14:44 CDT**

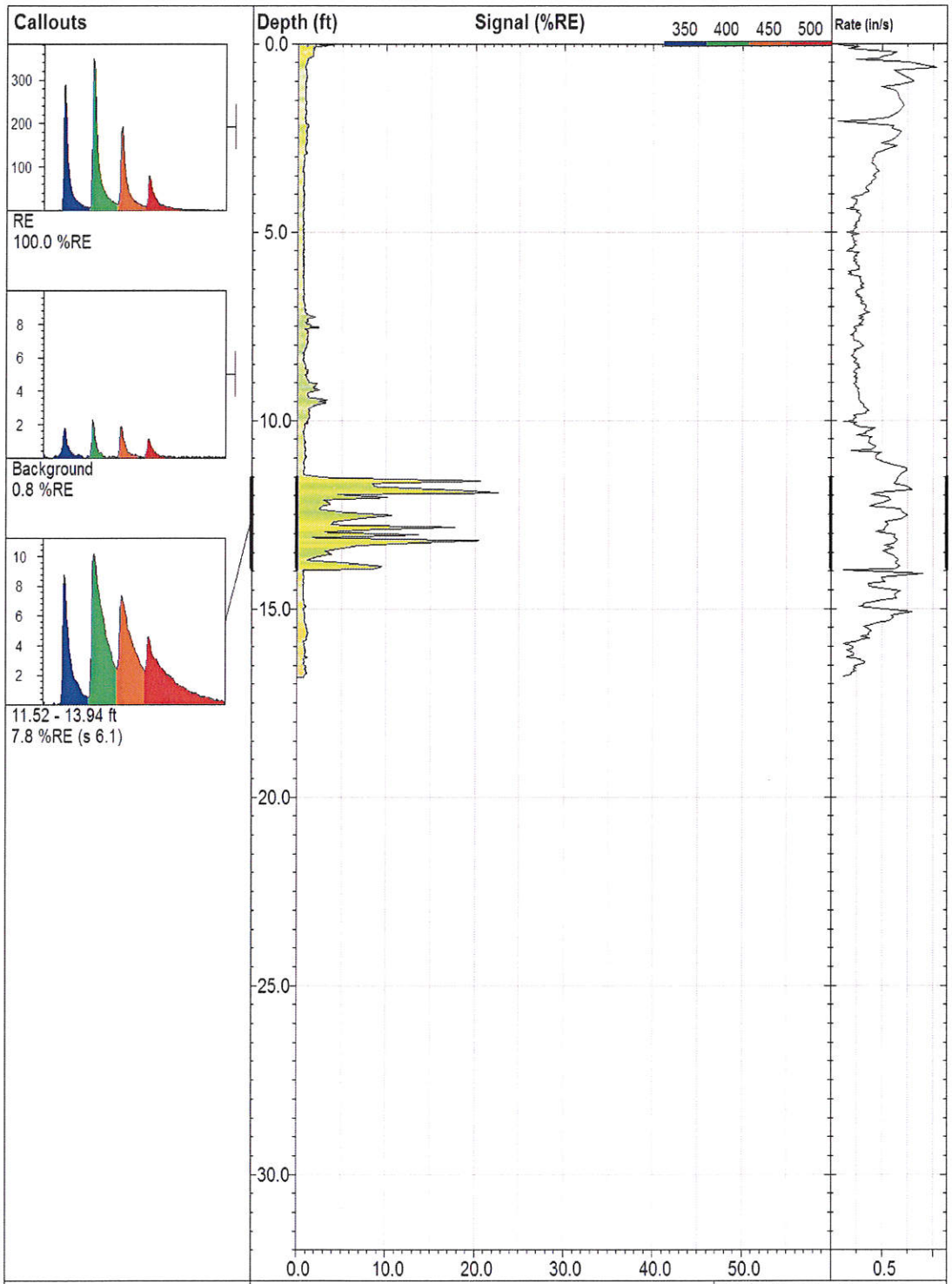
Station **LIF-07R**

Date 2015-03-25

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-08**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **16.82 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **22.8 %RE @ 11.92 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-23 14:19 CDT**

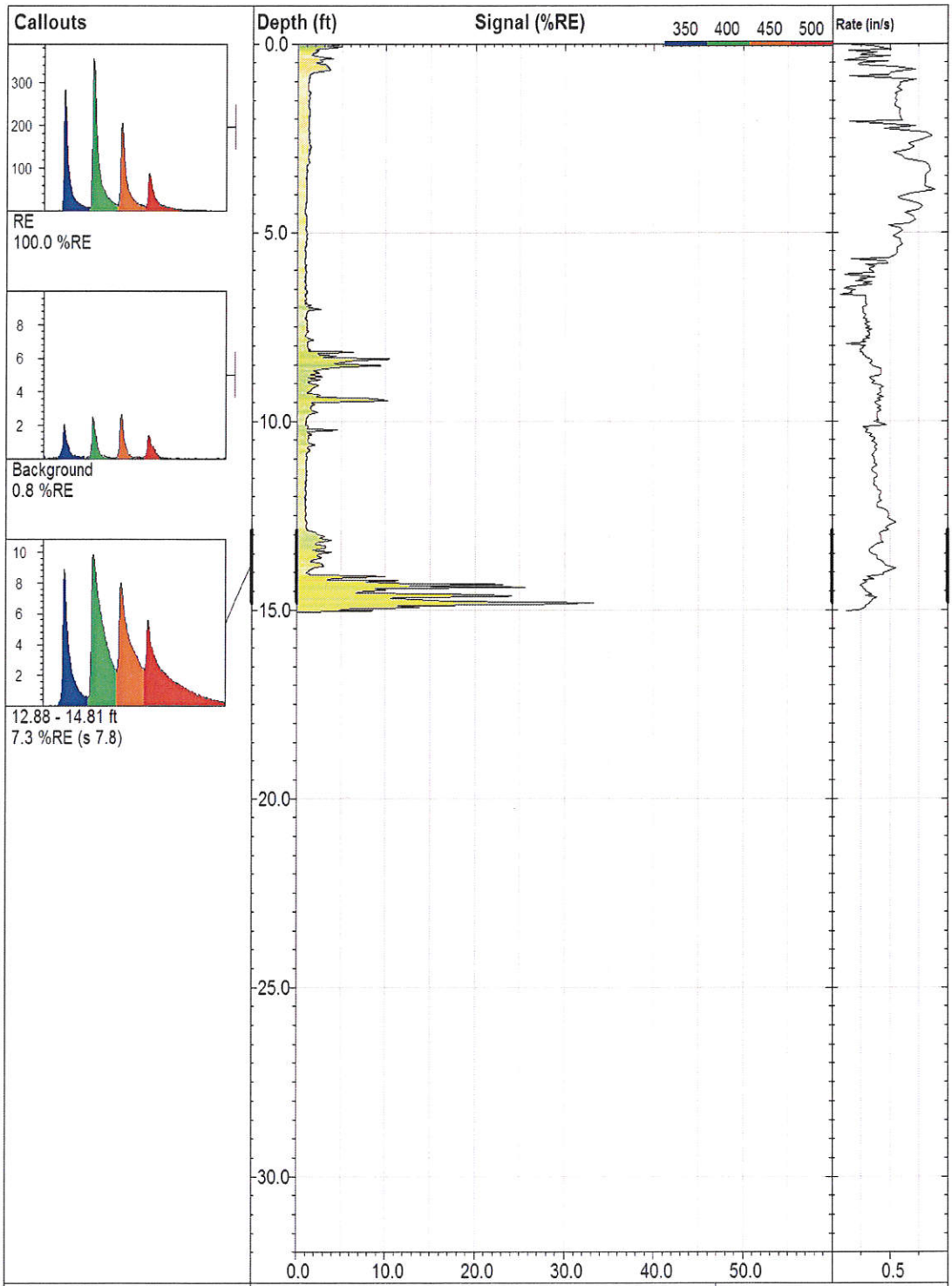
Station **LIF-08**

Date 2015-03-23

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-09**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **15.04 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **33.4 %RE @ 14.81 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-23 14:50 CDT**

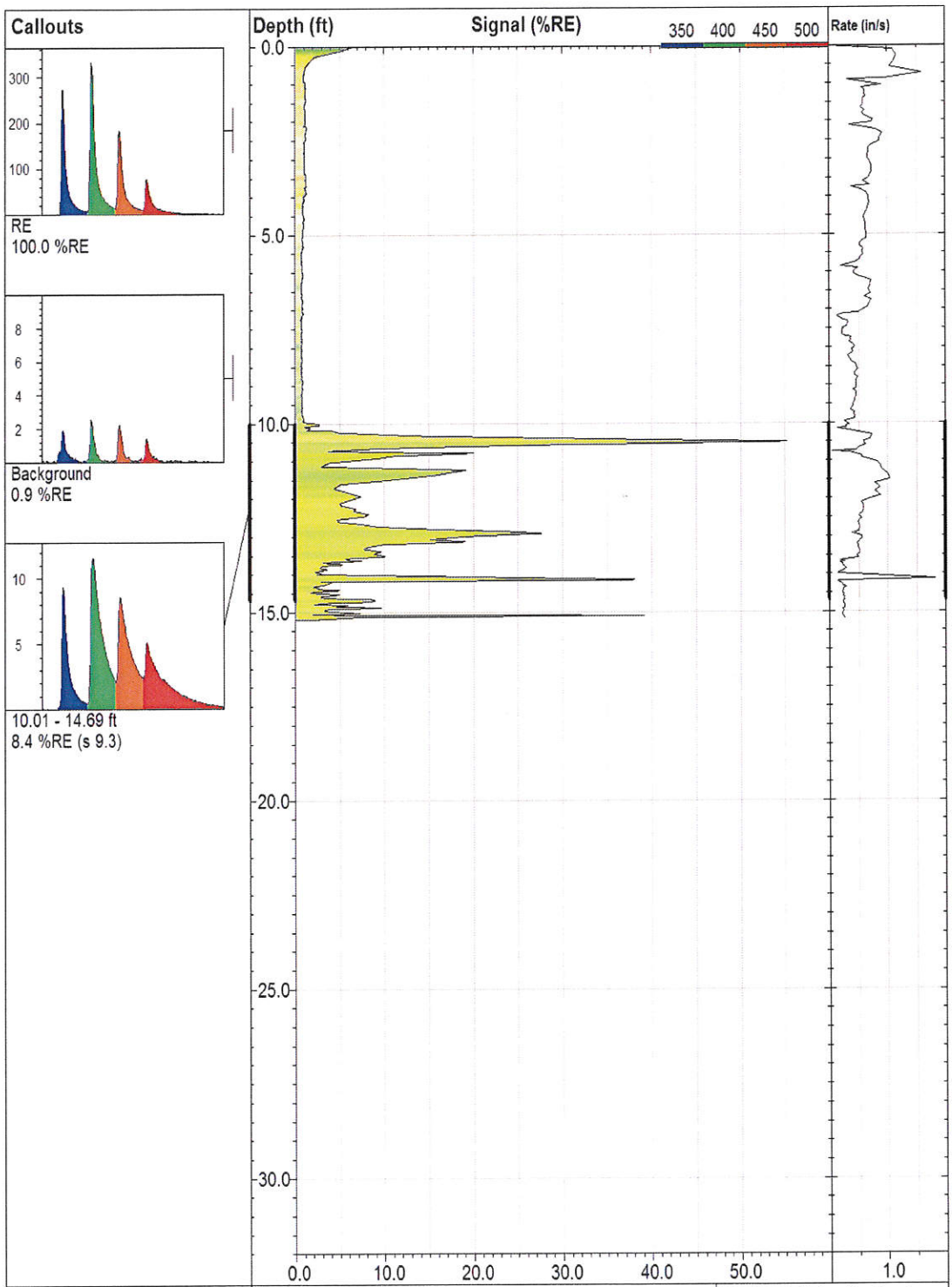
Station **LIF-09**

Date 2015-03-23

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-10**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **15.19 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **55.4 %RE @ 10.50 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-23 15:16 CDT**

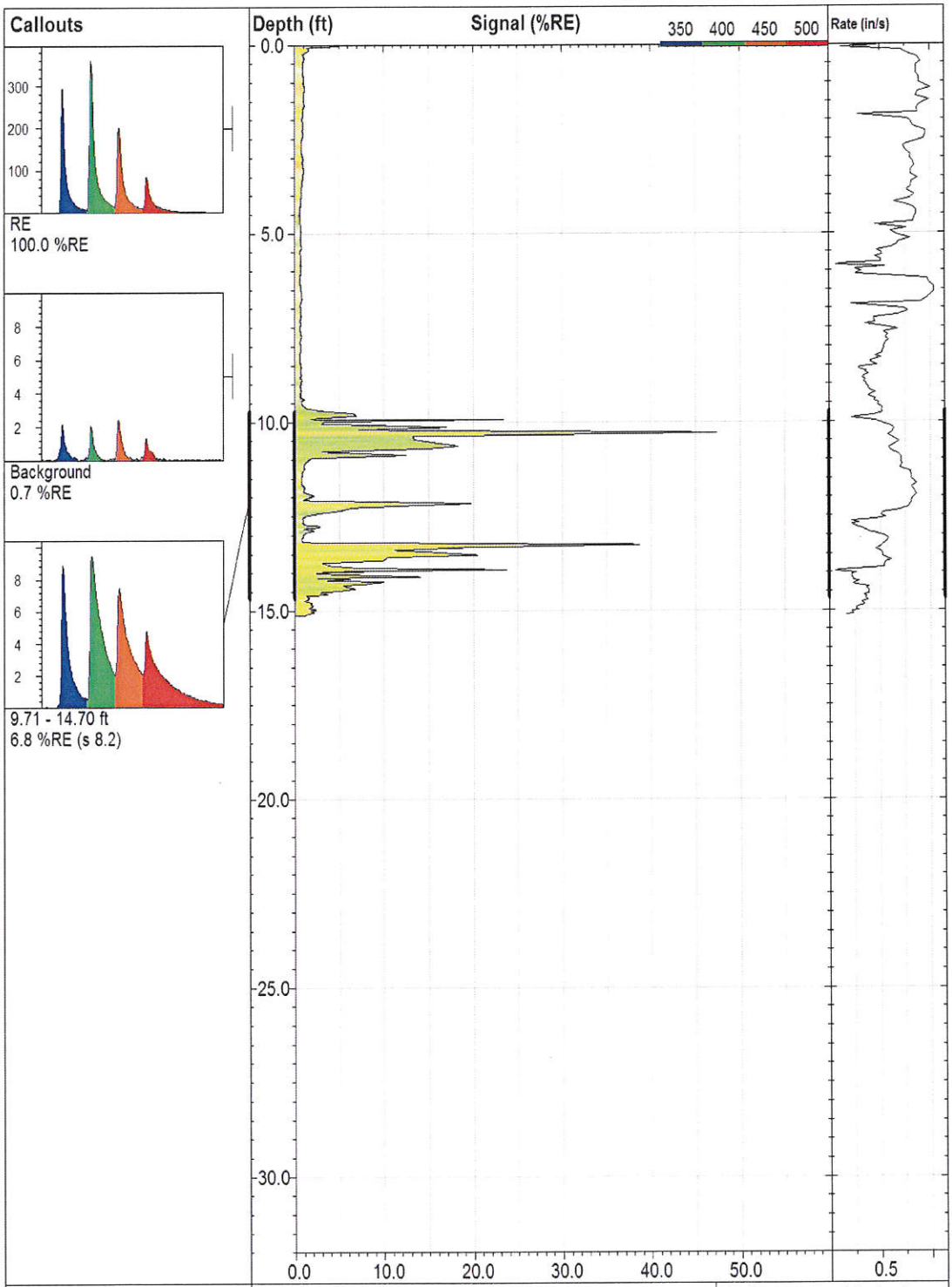
Station **LIF-10**

Date 2015-03-23

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-11**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **15.13 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **48.2 %RE @ 10.29 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-23 15:43 CDT**

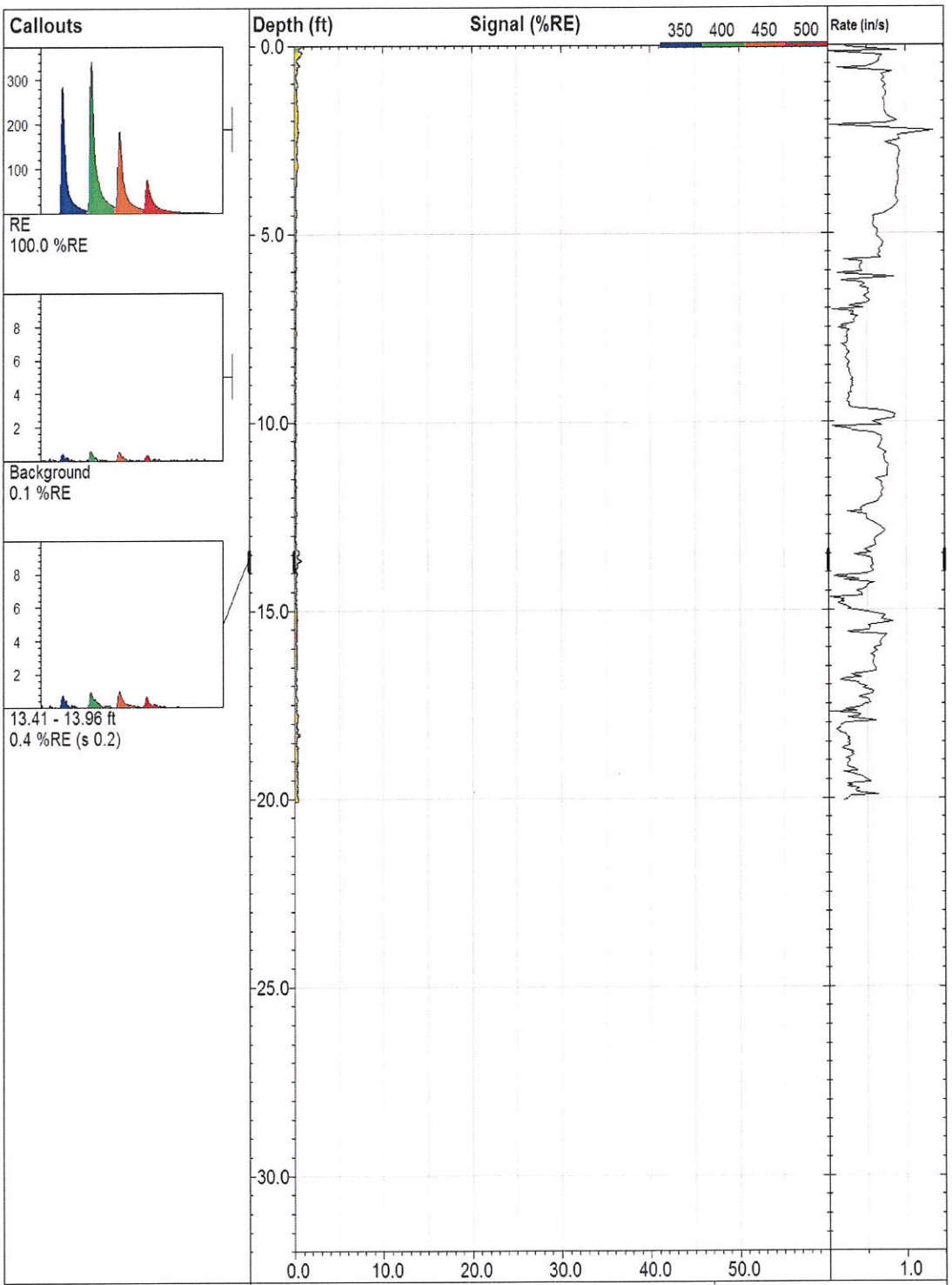
Station **LIF-11**

Date 2015-03-23

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-12**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **20.08 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **0.9 %RE @ 0.04 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-24 08:18 CDT**

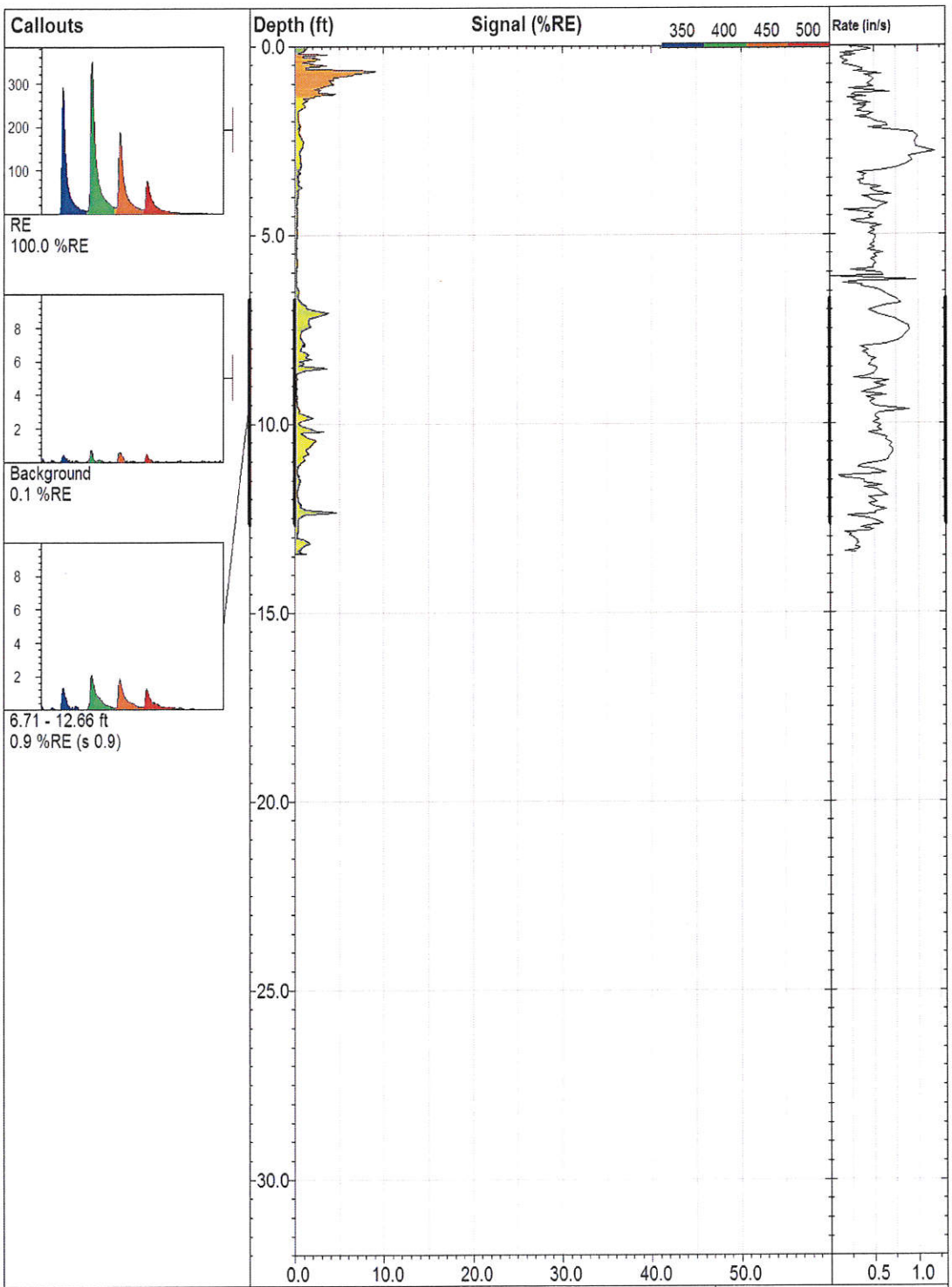
Station **LIF-12**

Date 2015-03-24

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



LIF-13		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **13.44 ft**
Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **9.2 %RE @ 0.66 ft**
Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-24 08:52 CDT**

COLUMBIA TECHNOLOGIES

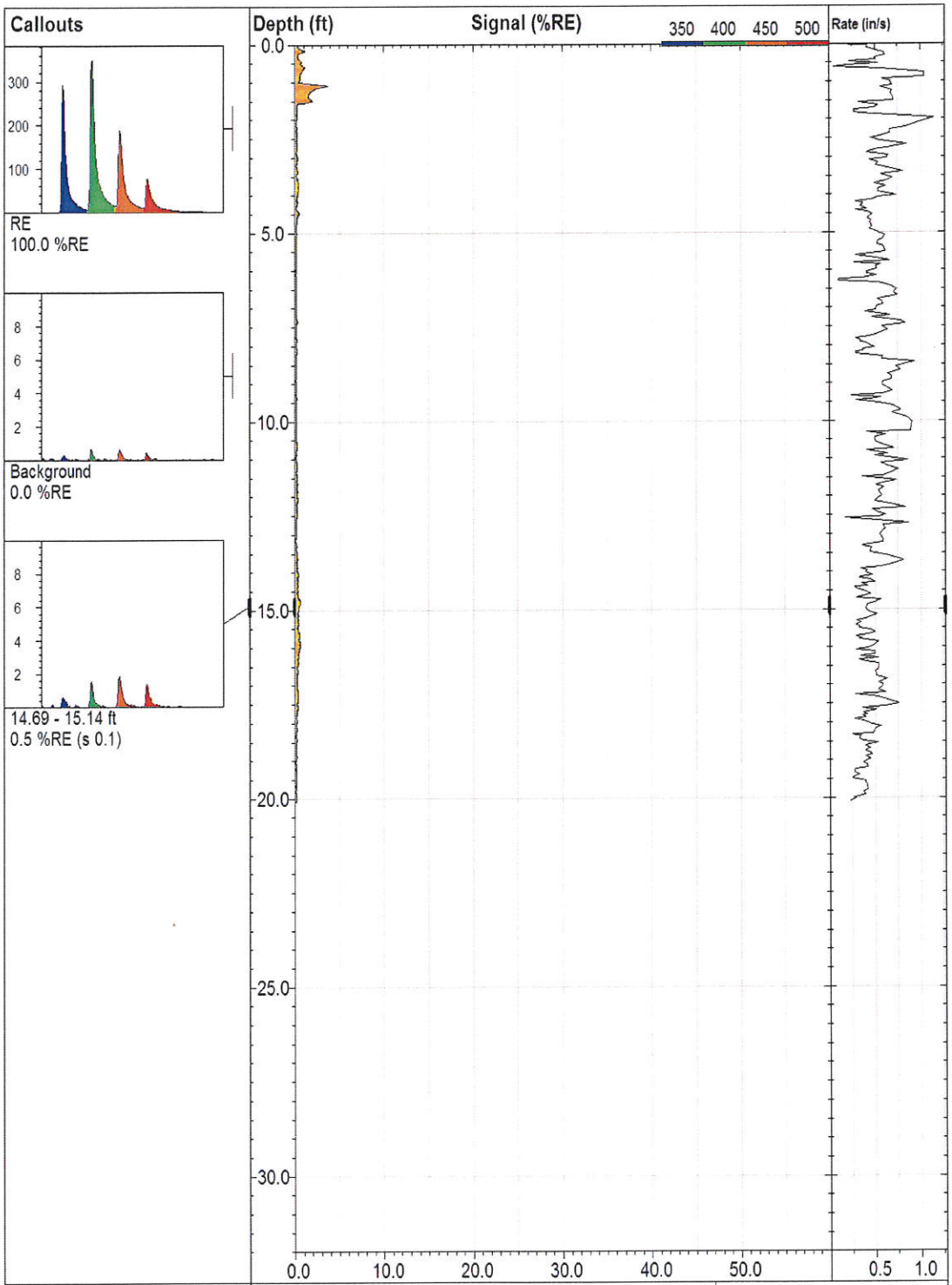
Station **LIF-13**

Date 2015-03-24

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-14**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **20.10 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **3.8 %RE @ 1.09 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-24 09:36 CDT**

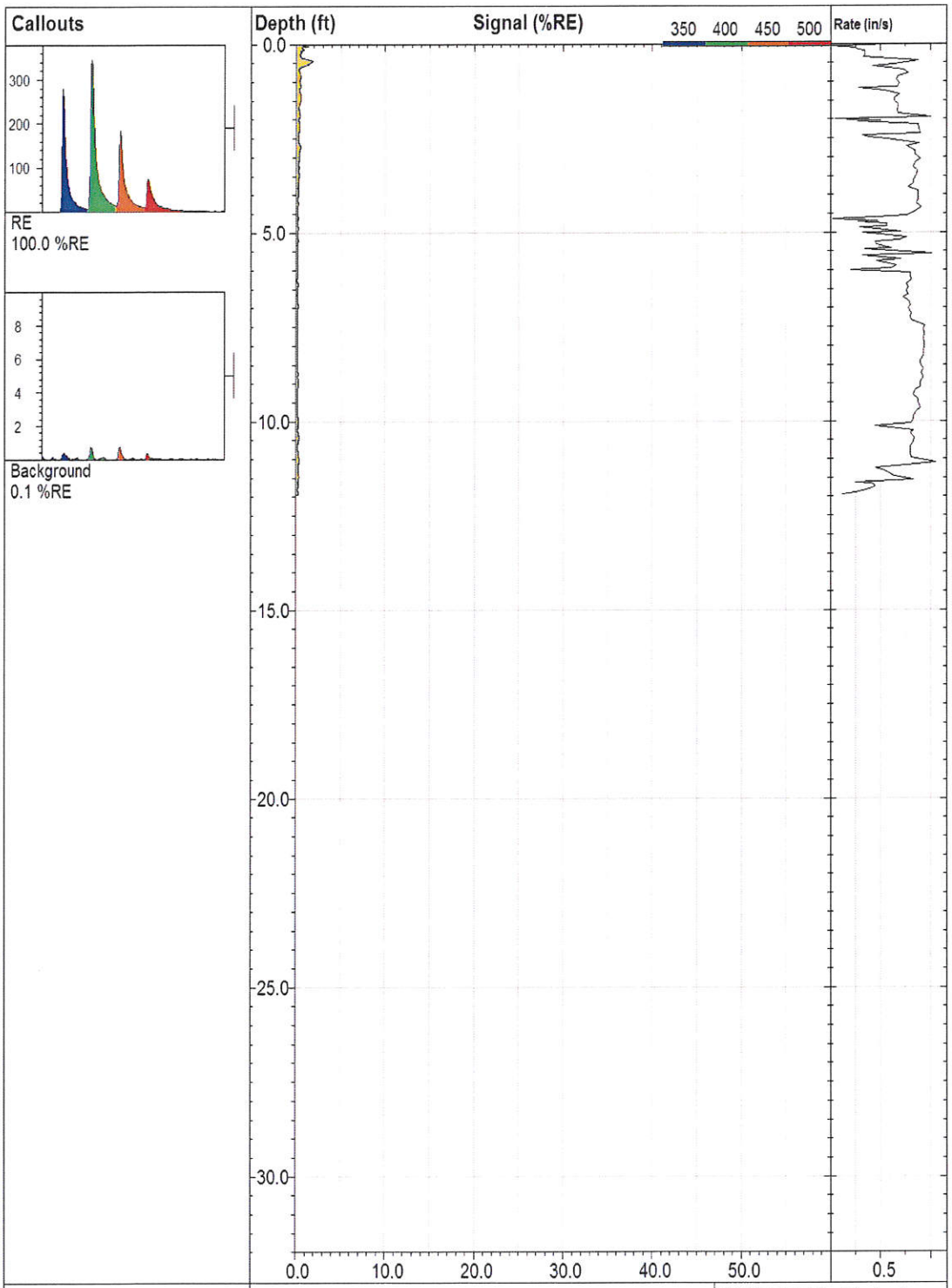
Station **LIF-14**

Date 2015-03-24

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



LIF-15		UVOST By Dakota www.DakotaTechnologies.com
Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **11.93 ft**
Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **1.9 %RE @ 0.44 ft**
Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-24 10:08 CDT**

COLUMBIA TECHNOLOGIES

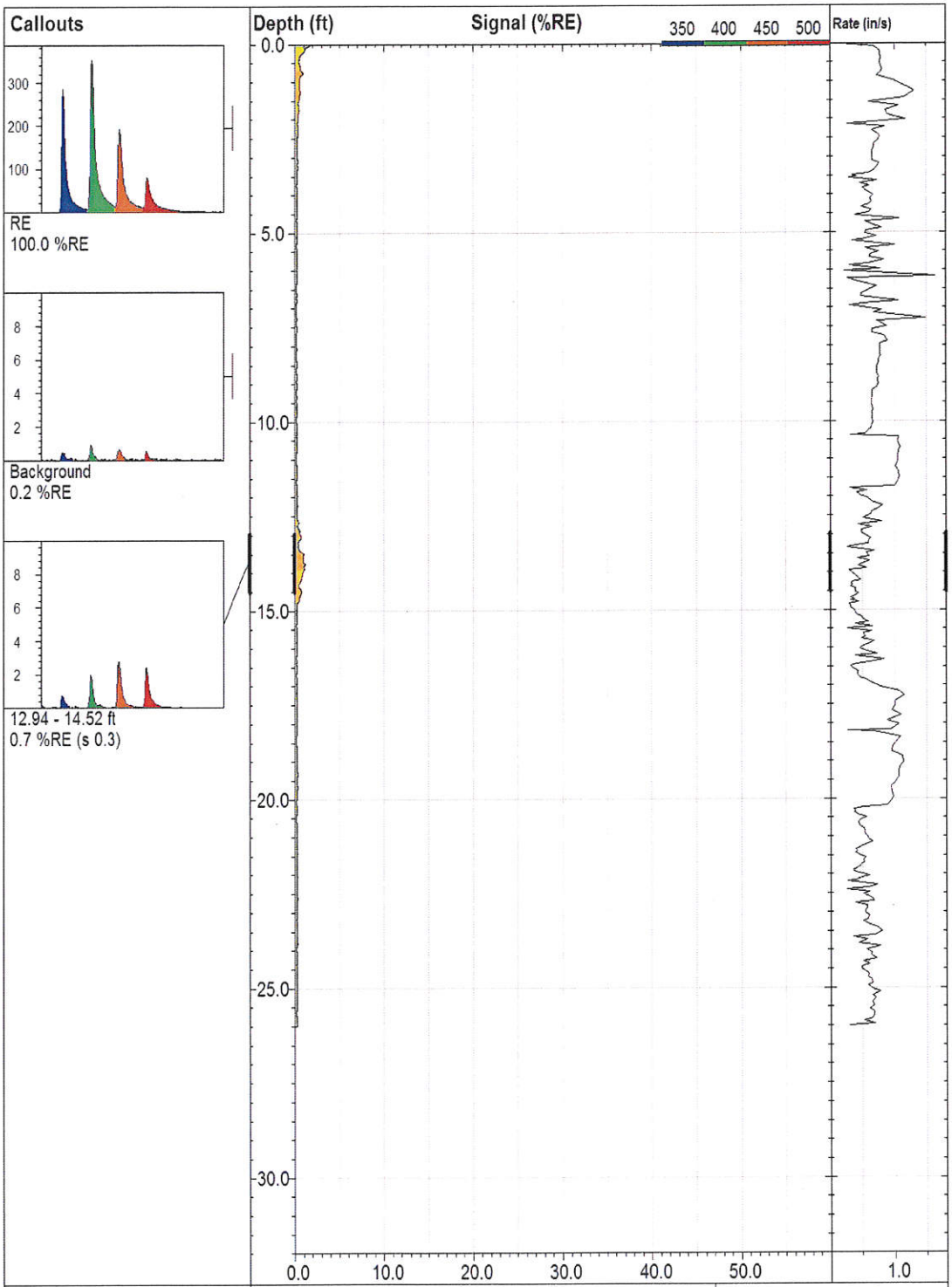
Station **LIF-15**

Date 2015-03-24

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-16**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **26.00 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **2.1 %RE @ 0.00 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-24 10:31 CDT**

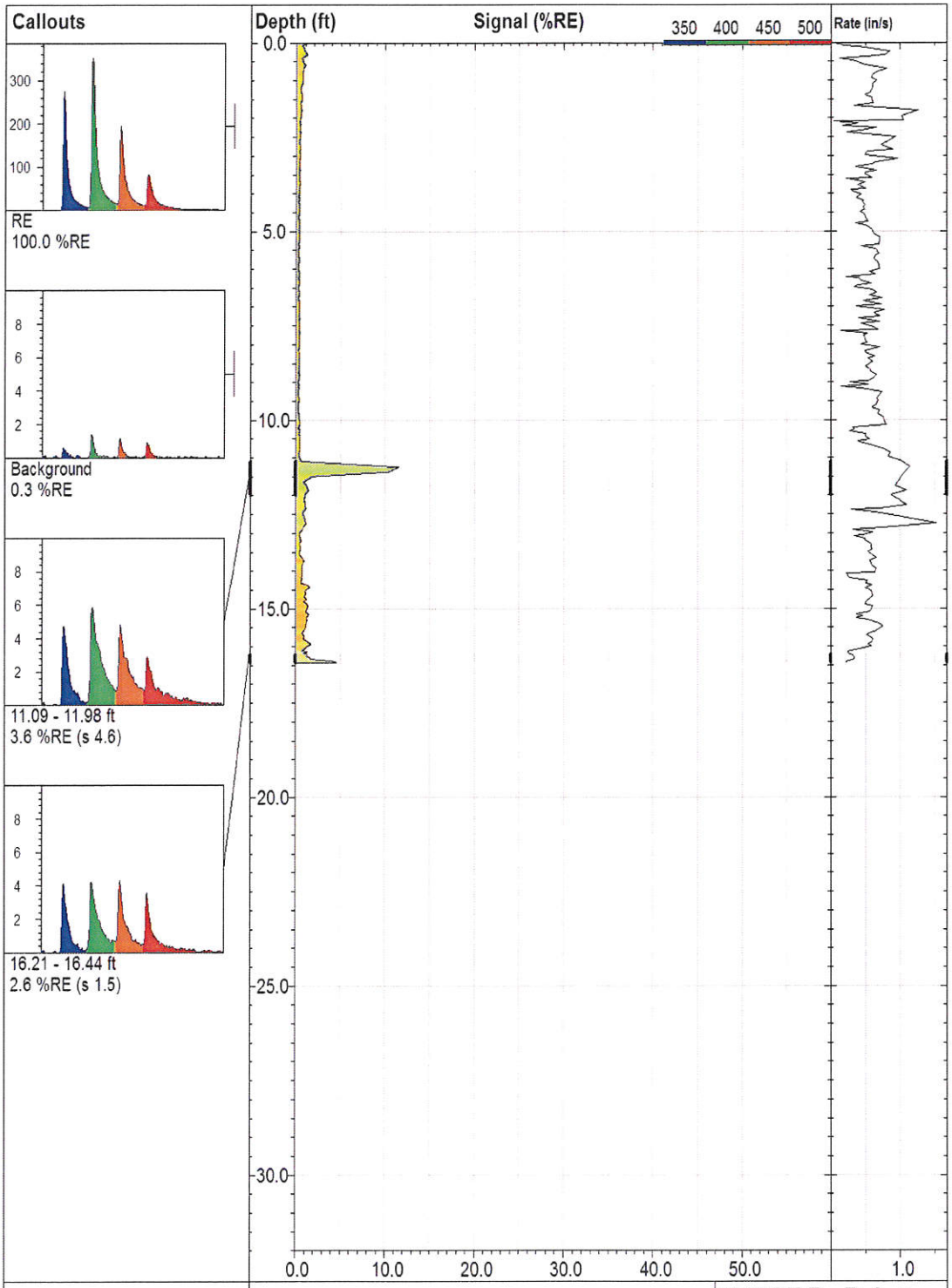
Station **LIF-16**

Date 2015-03-24

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



LIF-17		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **16.44 ft**
Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **11.5 %RE @ 11.25 ft**
Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-24 11:27 CDT**

COLUMBIA TECHNOLOGIES

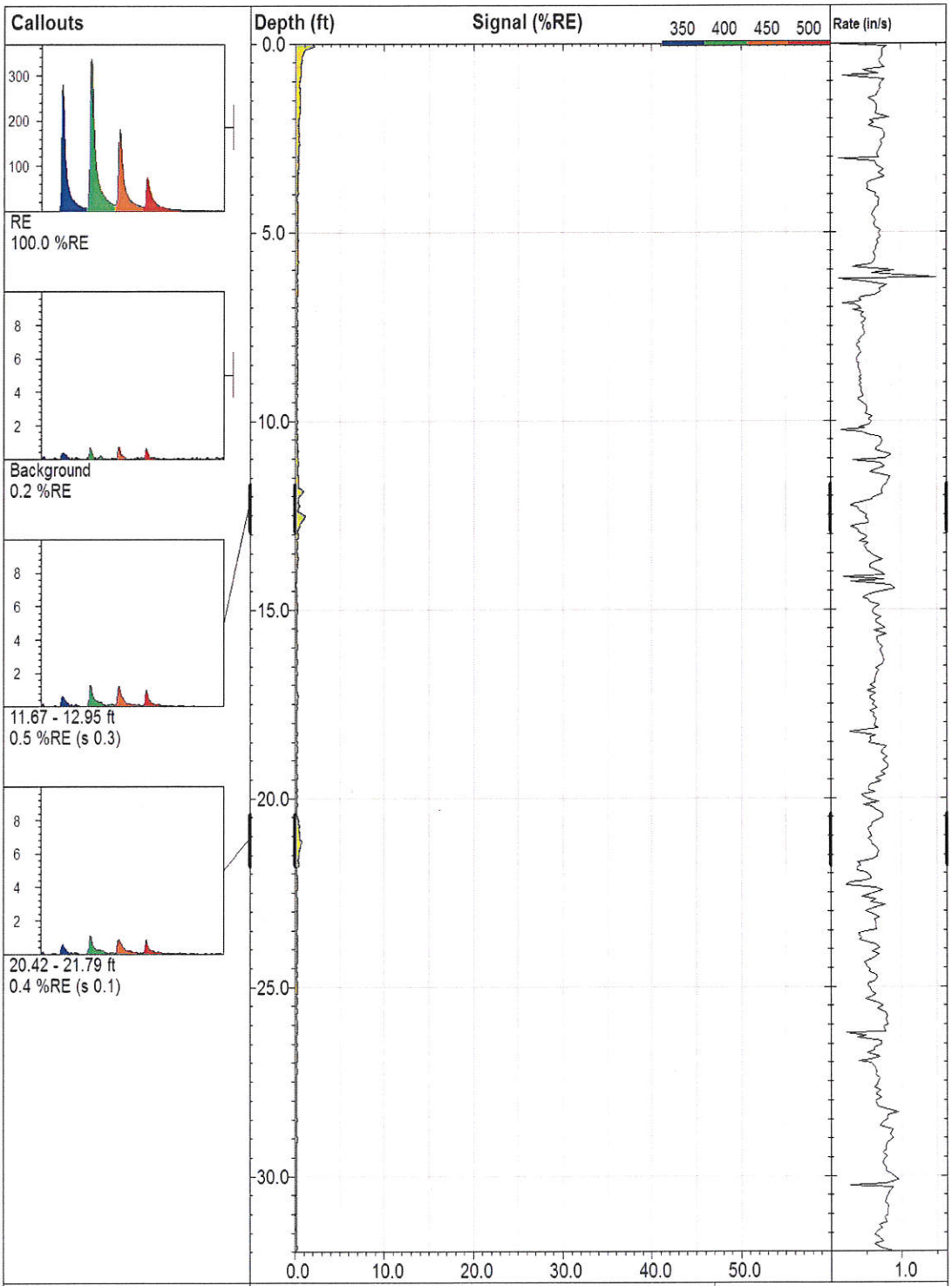
Station **LIF-17**

Date 2015-03-24

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-18**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **38.04 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **2.1 %RE @ 0.08 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-24 12:23 CDT**

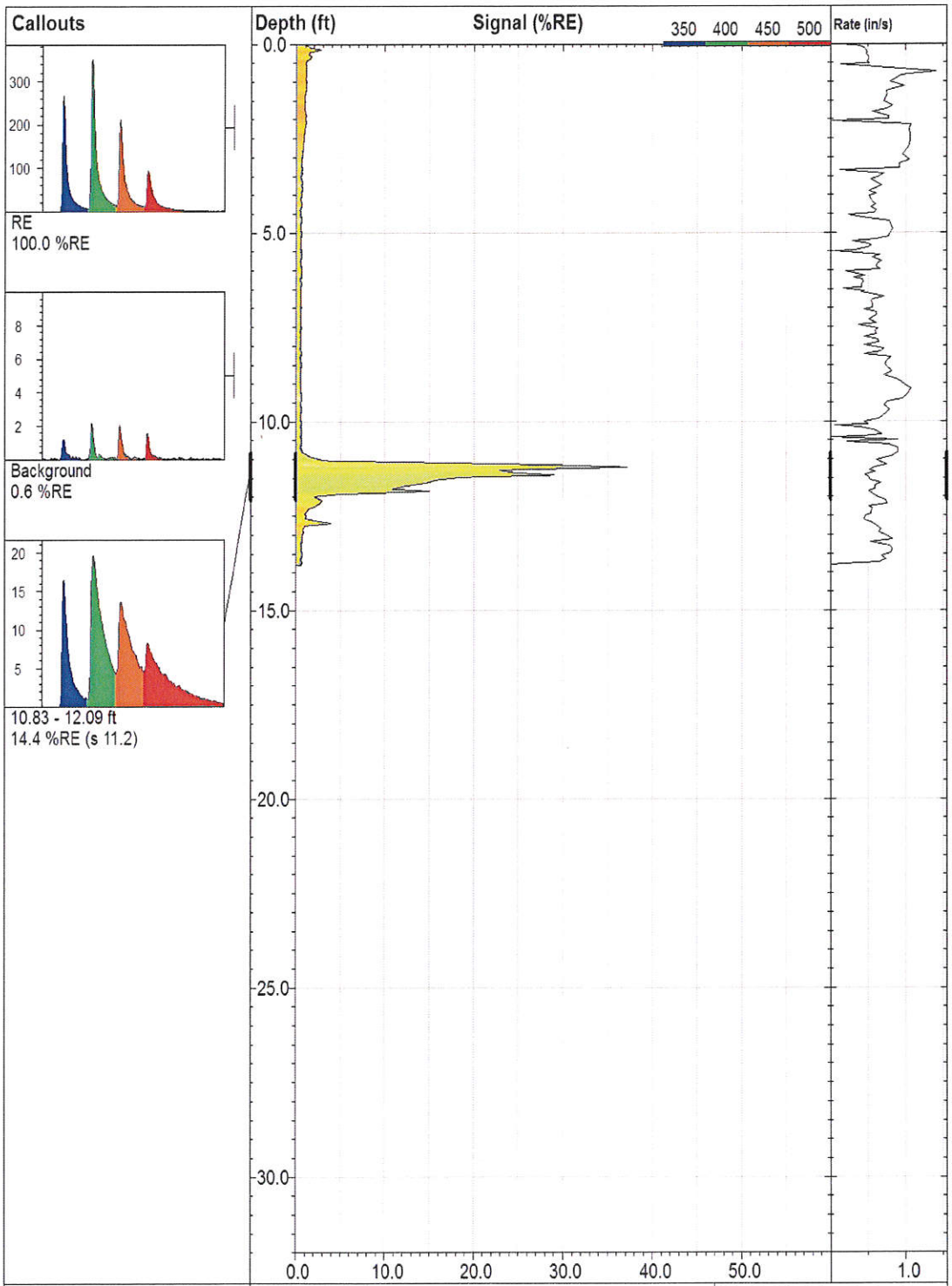
Station **LIF-18**

Date 2015-03-24

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-19**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **13.80 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **37.4 %RE @ 11.21 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-24 13:06 CDT**

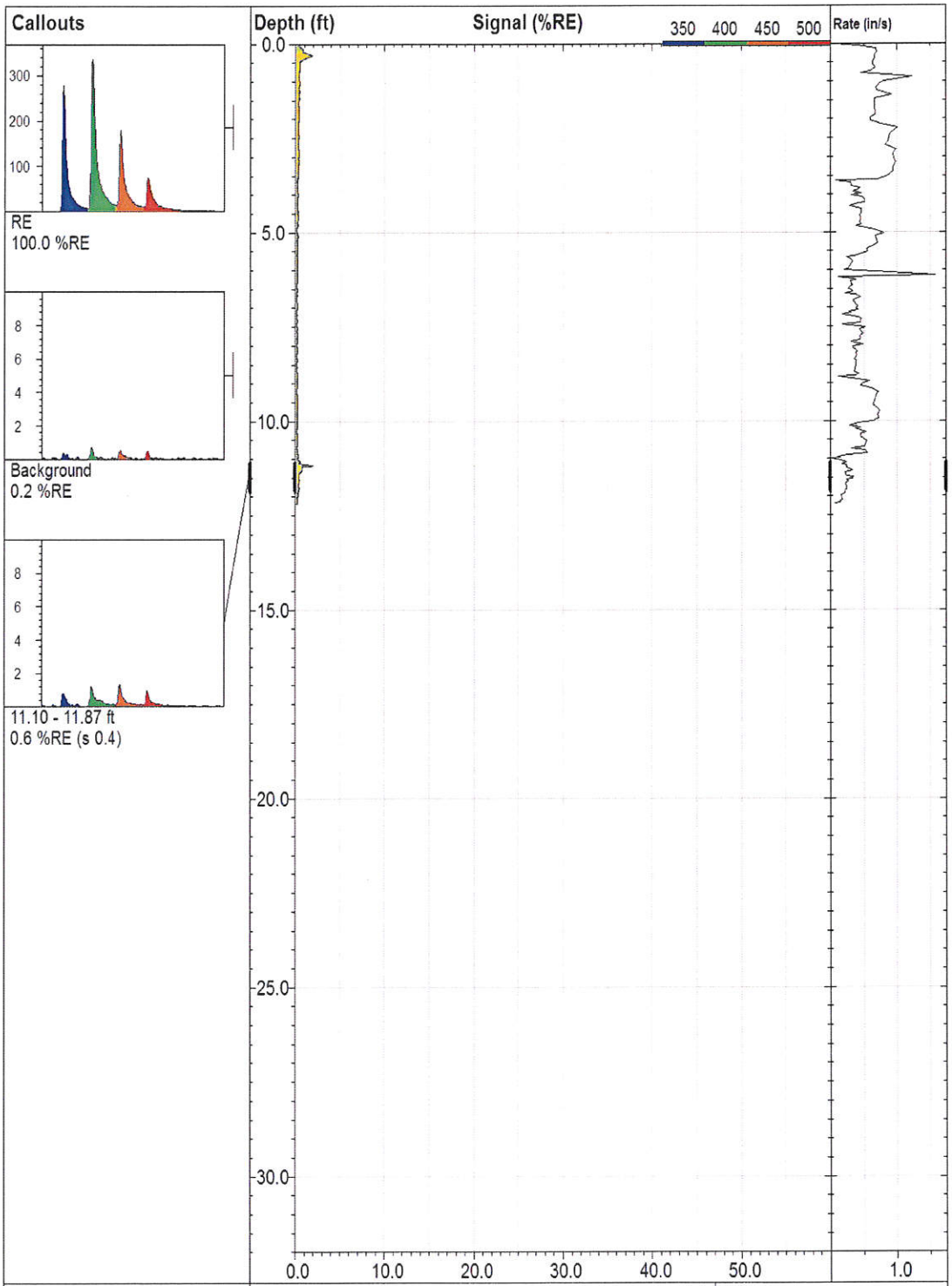
Station **LIF-19**

Date 2015-03-24

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-20**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **12.18 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **2.1 %RE @ 11.18 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-24 13:33 CDT**

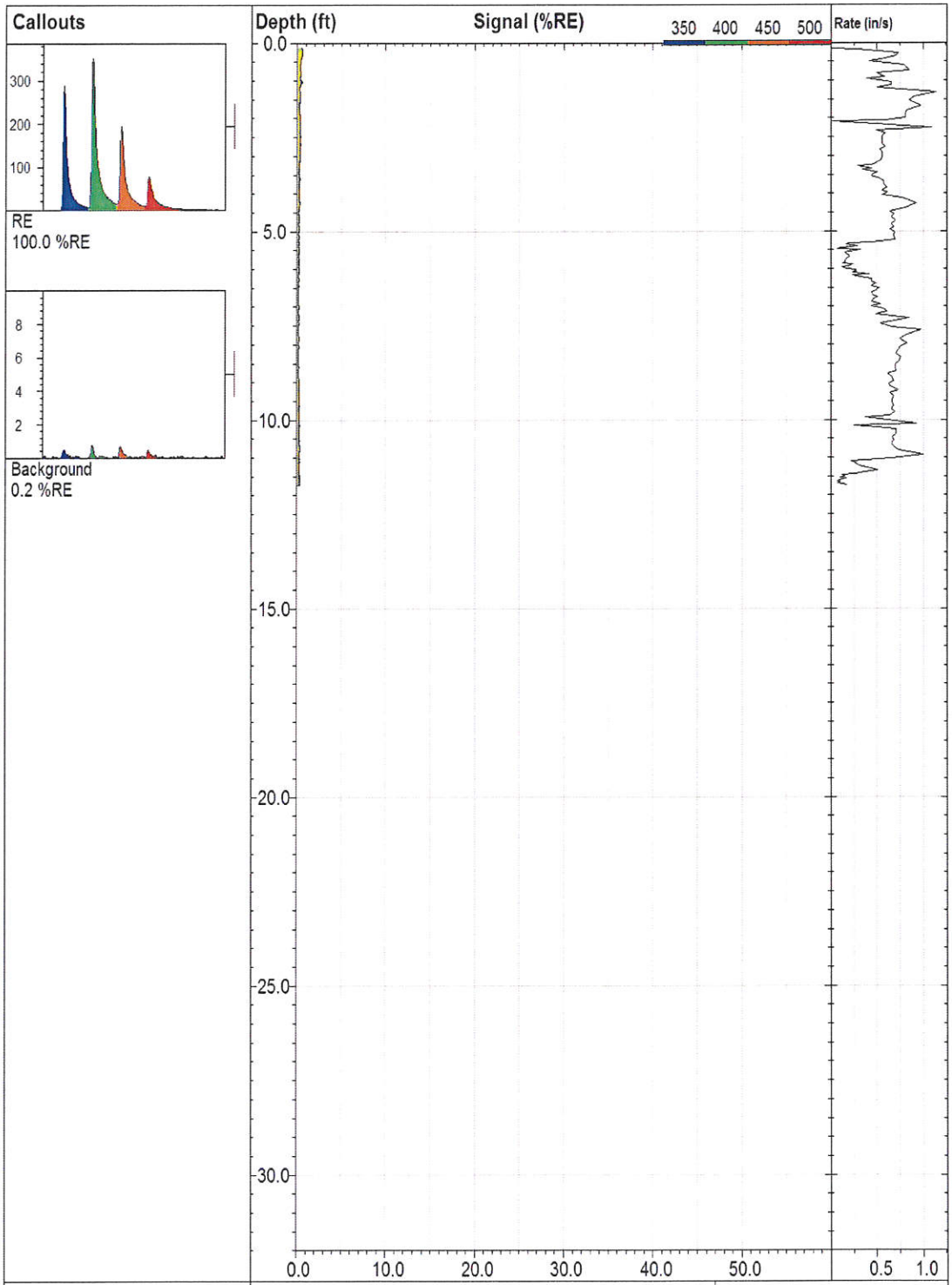
Station **LIF-20**

Date 2015-03-24

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



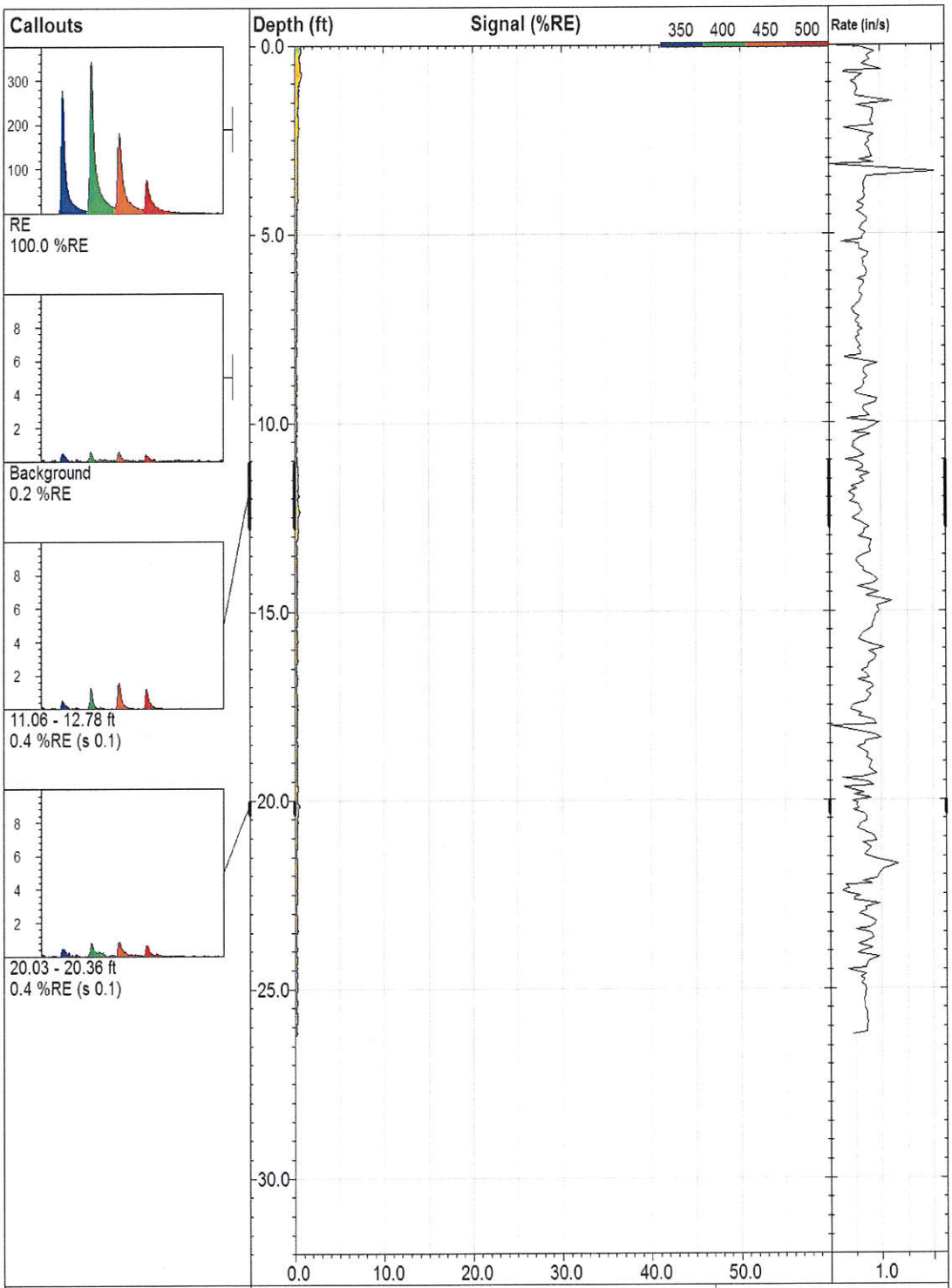
LIF-21		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **11.72 ft**
Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **0.6 %RE @ 1.04 ft**
Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-24 13:56 CDT**

Station **LIF-21**

Date 2015-03-24

Scale Individual

Project Eaves Grocery



COLUMBIA TECHNOLOGIES

LIF-22

UVOST By Dakota
www.DakotaTechnologies.com

Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **26.22 ft**
Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **0.8 %RE @ 0.73 ft**
Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-24 14:36 CDT**

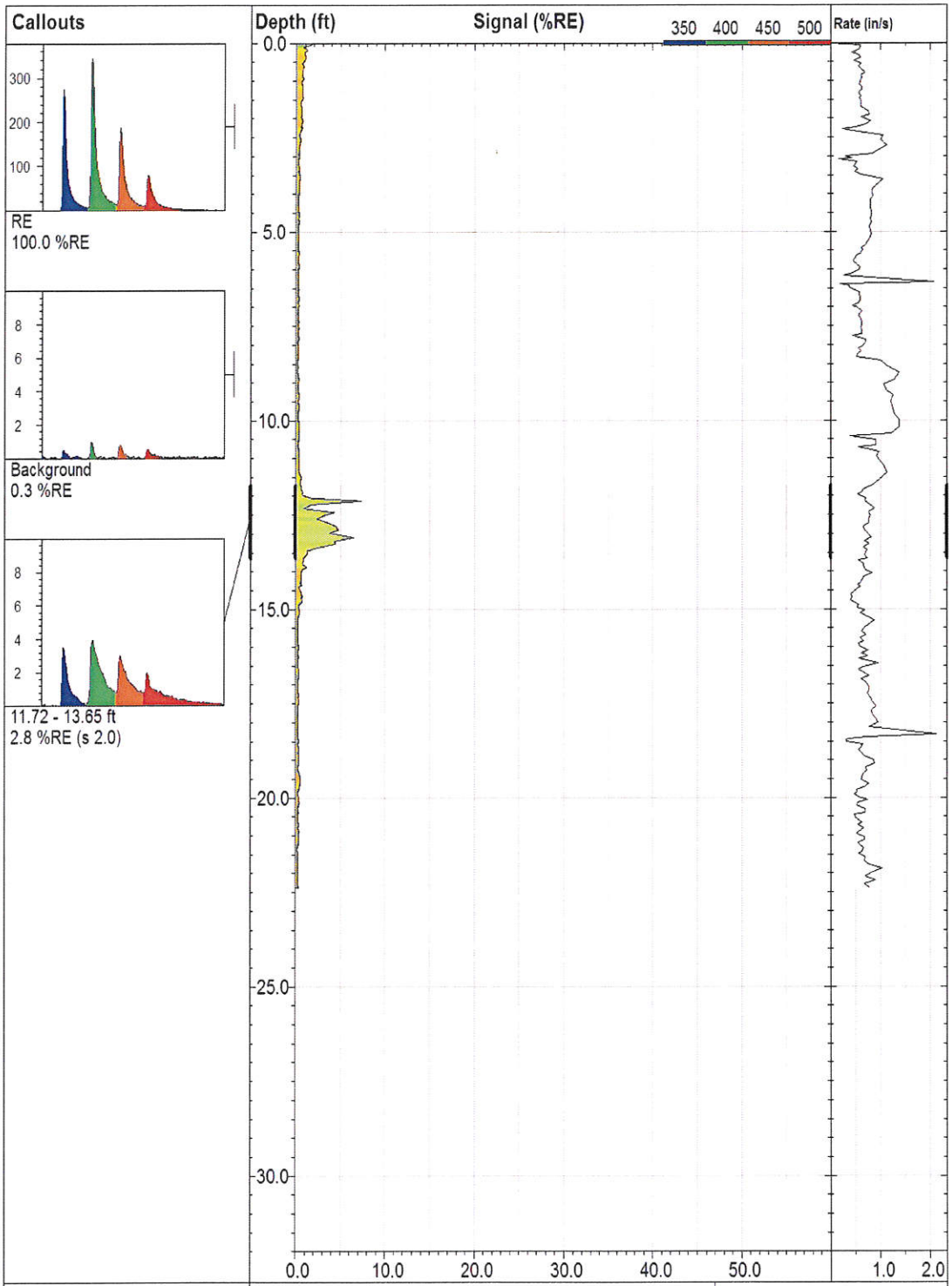
Station **LIF-22**

Date 2015-03-24

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-23**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **22.39 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **7.4 %RE @ 12.13 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-24 15:08 CDT**

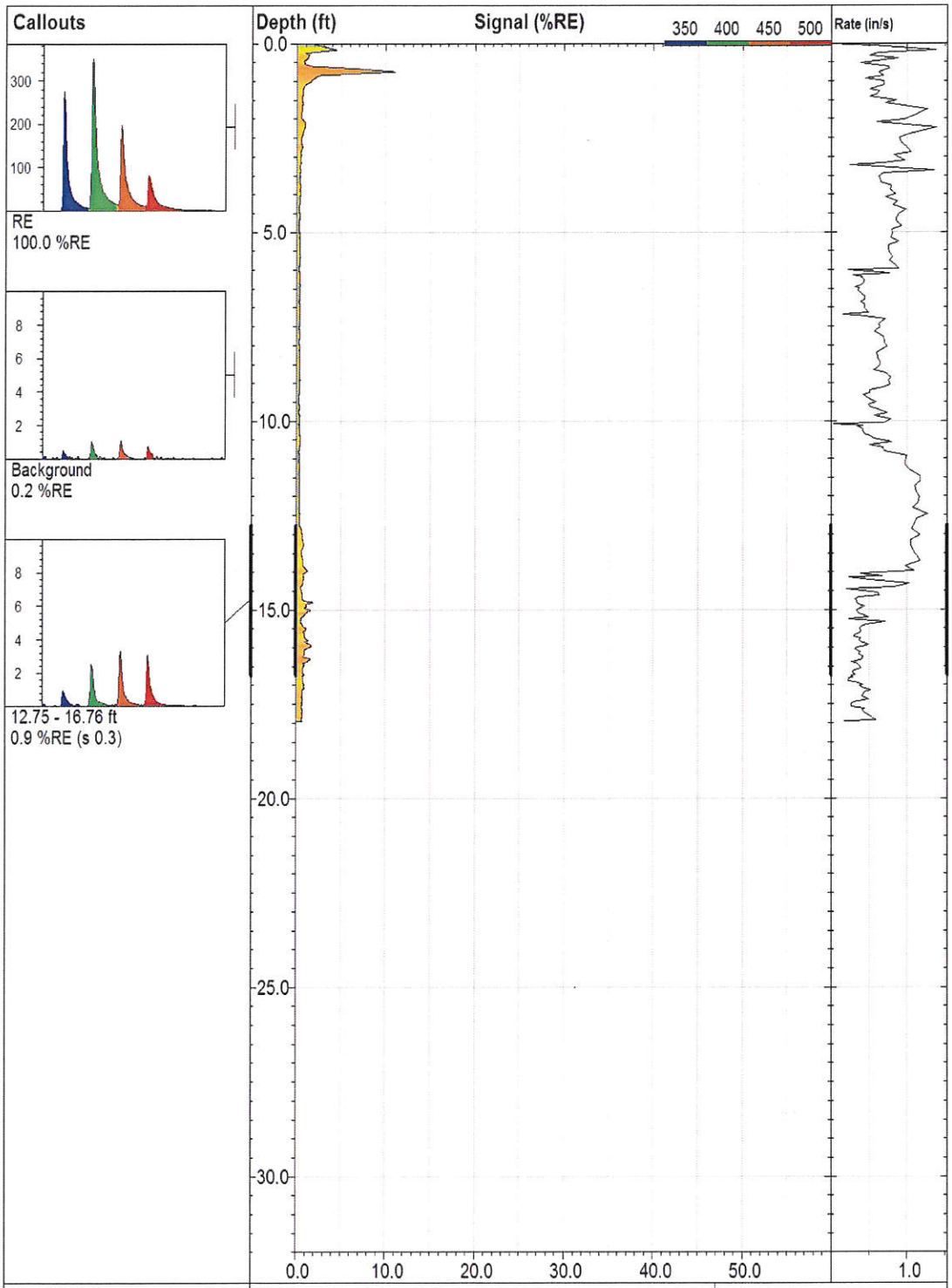
Station **LIF-23**

Date 2015-03-31

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-24**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **17.96 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **11.0 %RE @ 0.75 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-24 15:36 CDT**

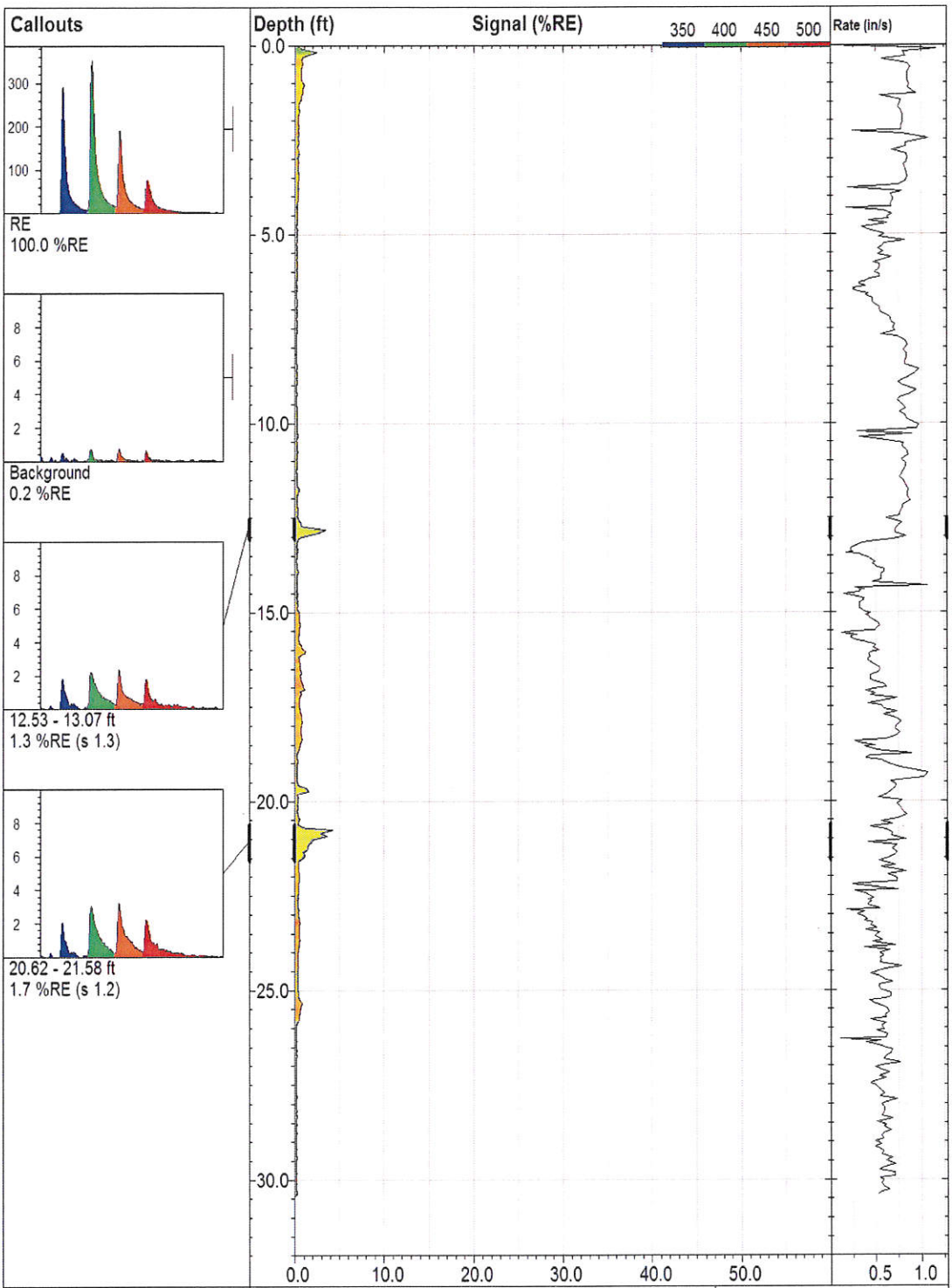
Station **LIF-24**

Date 2015-03-31

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-25**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **30.41 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **4.2 %RE @ 20.76 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-25 08:26 CDT**

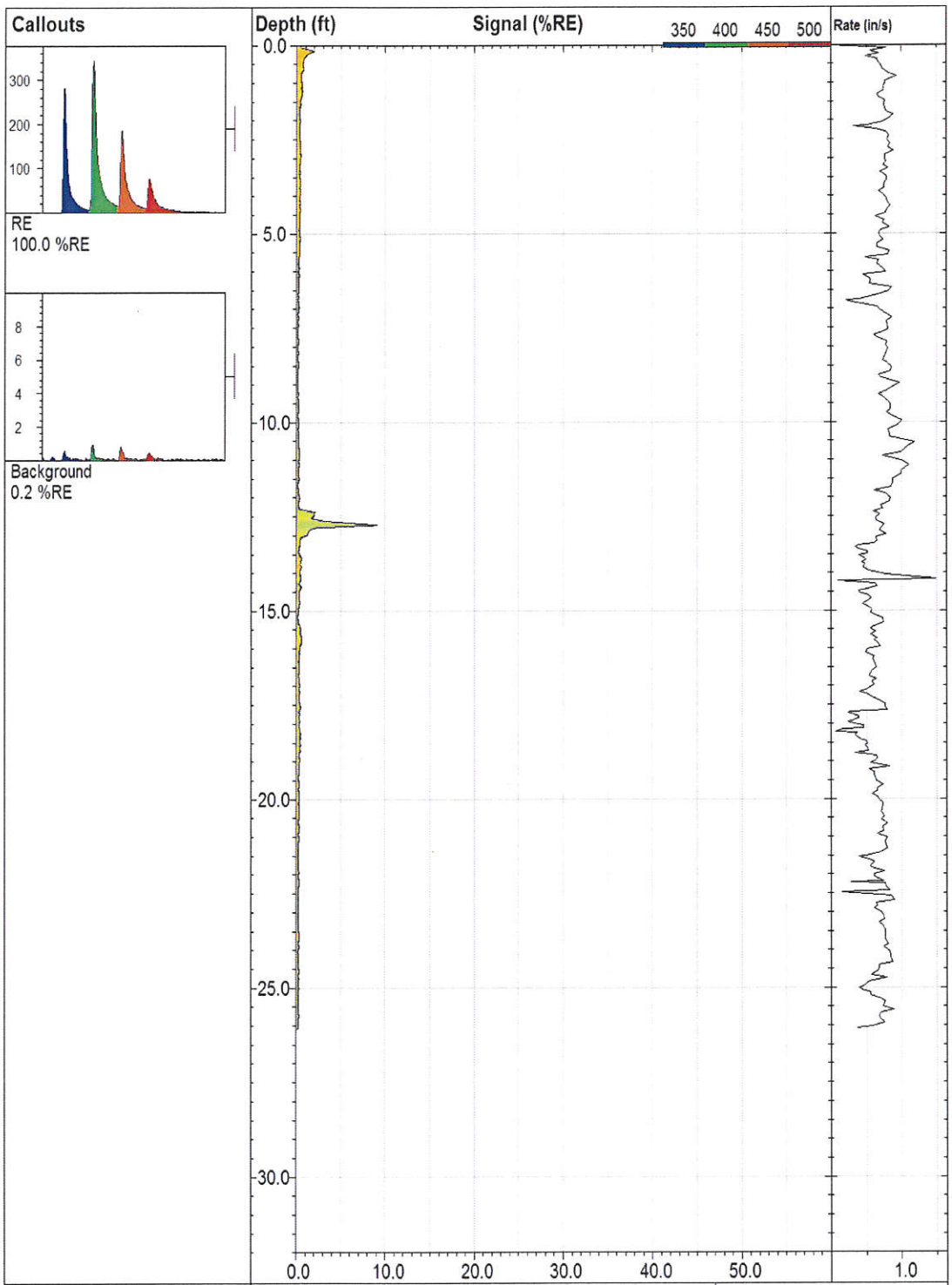
Station **LIF-25**

Date 2015-03-25

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-26**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **26.08 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **9.1 %RE @ 12.72 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-25 08:59 CDT**

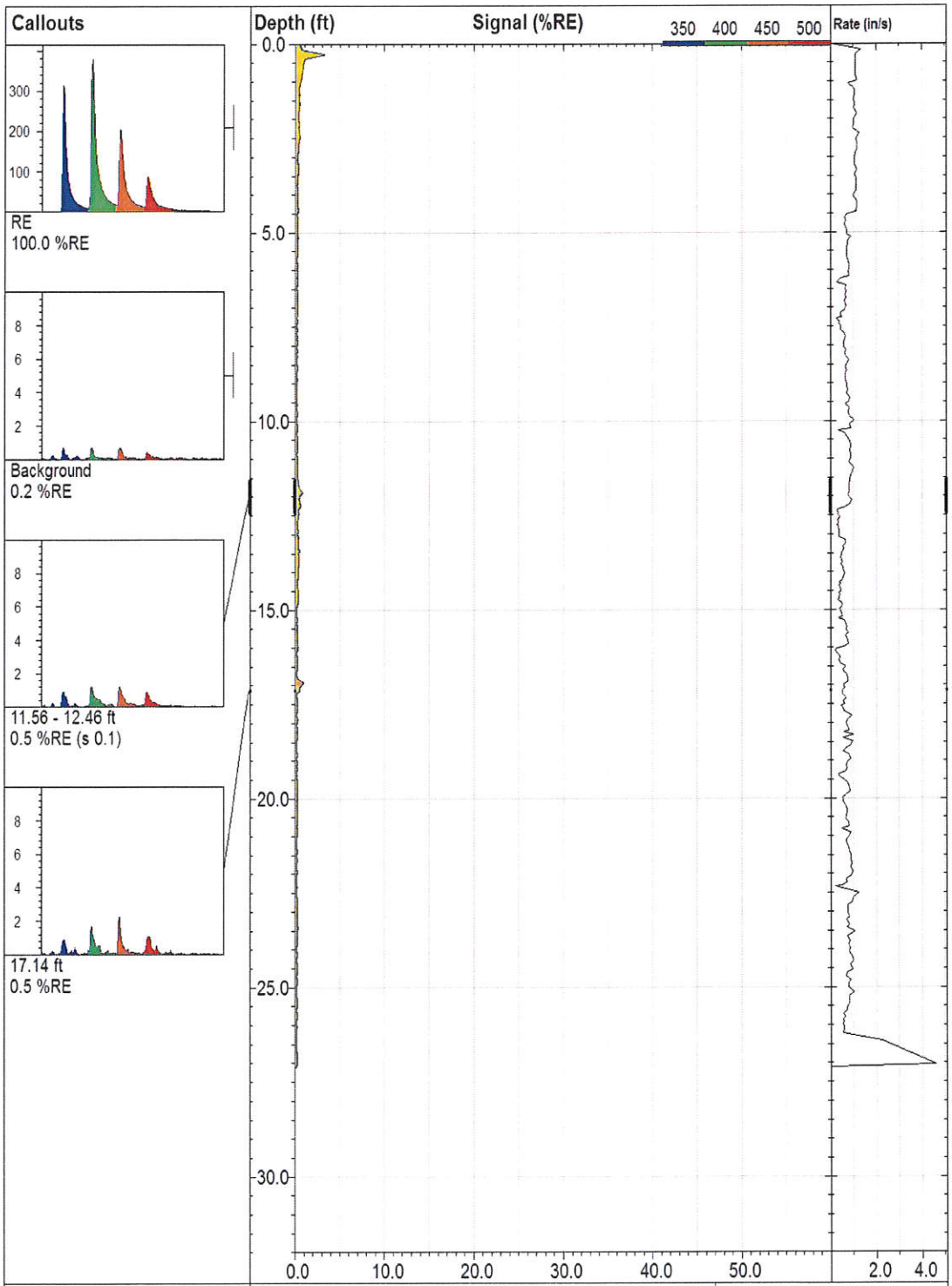
Station **LIF-26**

Date 2015-03-25

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-27**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **27.11 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **3.3 %RE @ 0.28 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-25 09:37 CDT**

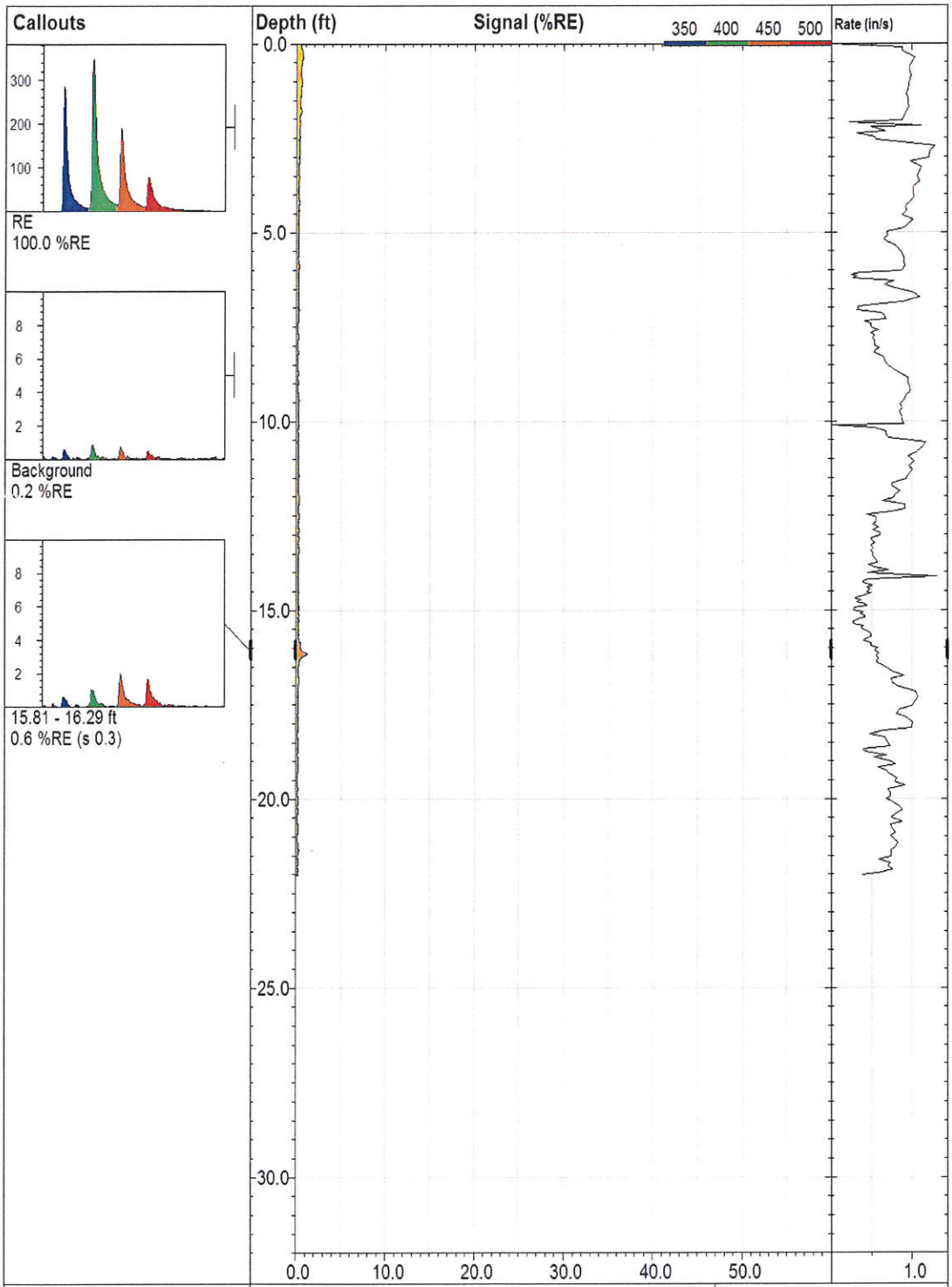
Station **LIF-27**

Date 2015-03-25

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-28**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **22.01 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **1.3 %RE @ 16.15 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-25 10:10 CDT**

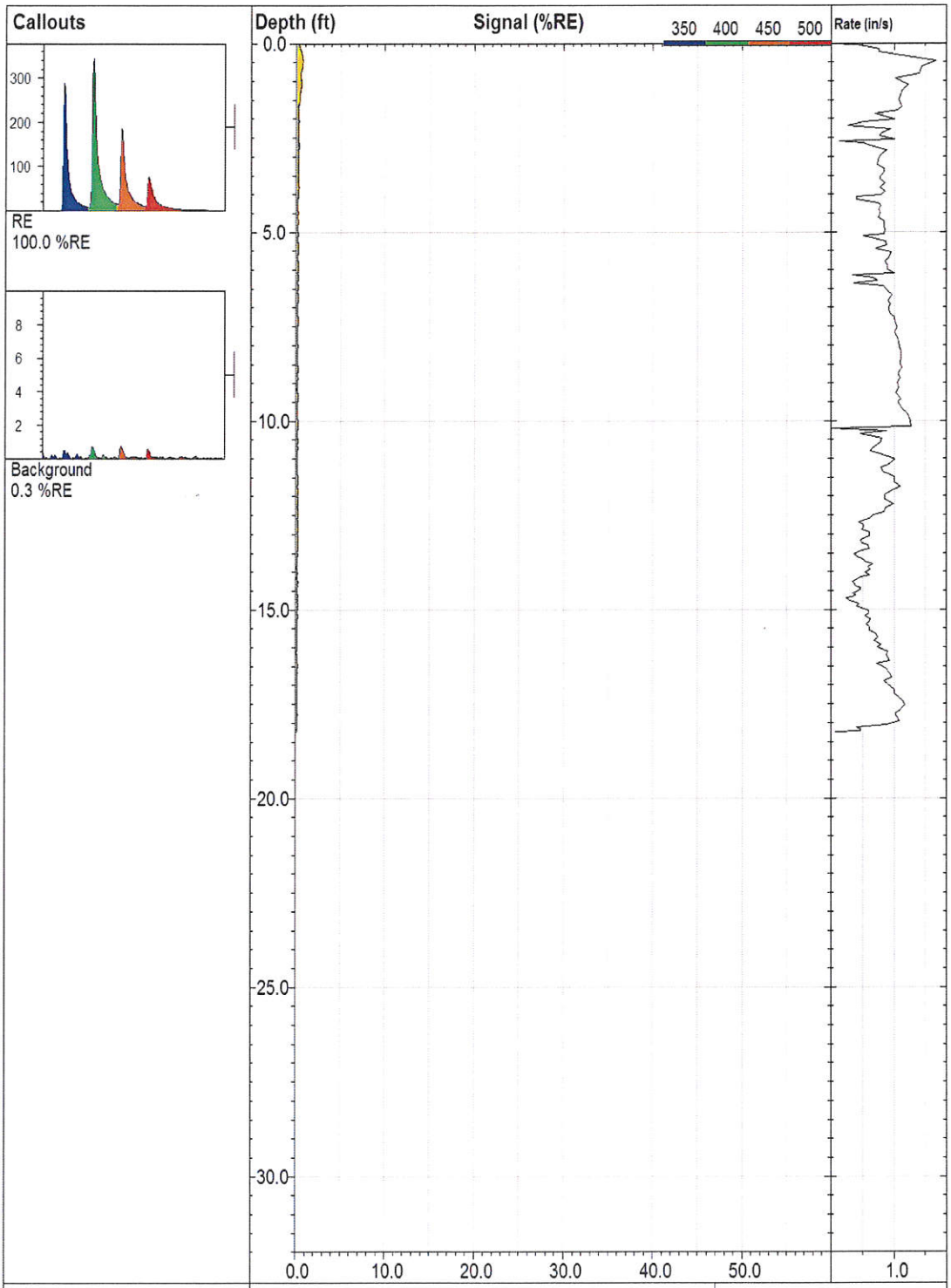
Station **LIF-28**

Date 2015-03-25

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES

LIF-29

UVOST By Dakota
www.DakotaTechnologies.com

Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **18.25 ft**
Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **0.7 %RE @ 0.46 ft**
Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-25 10:49 CDT**

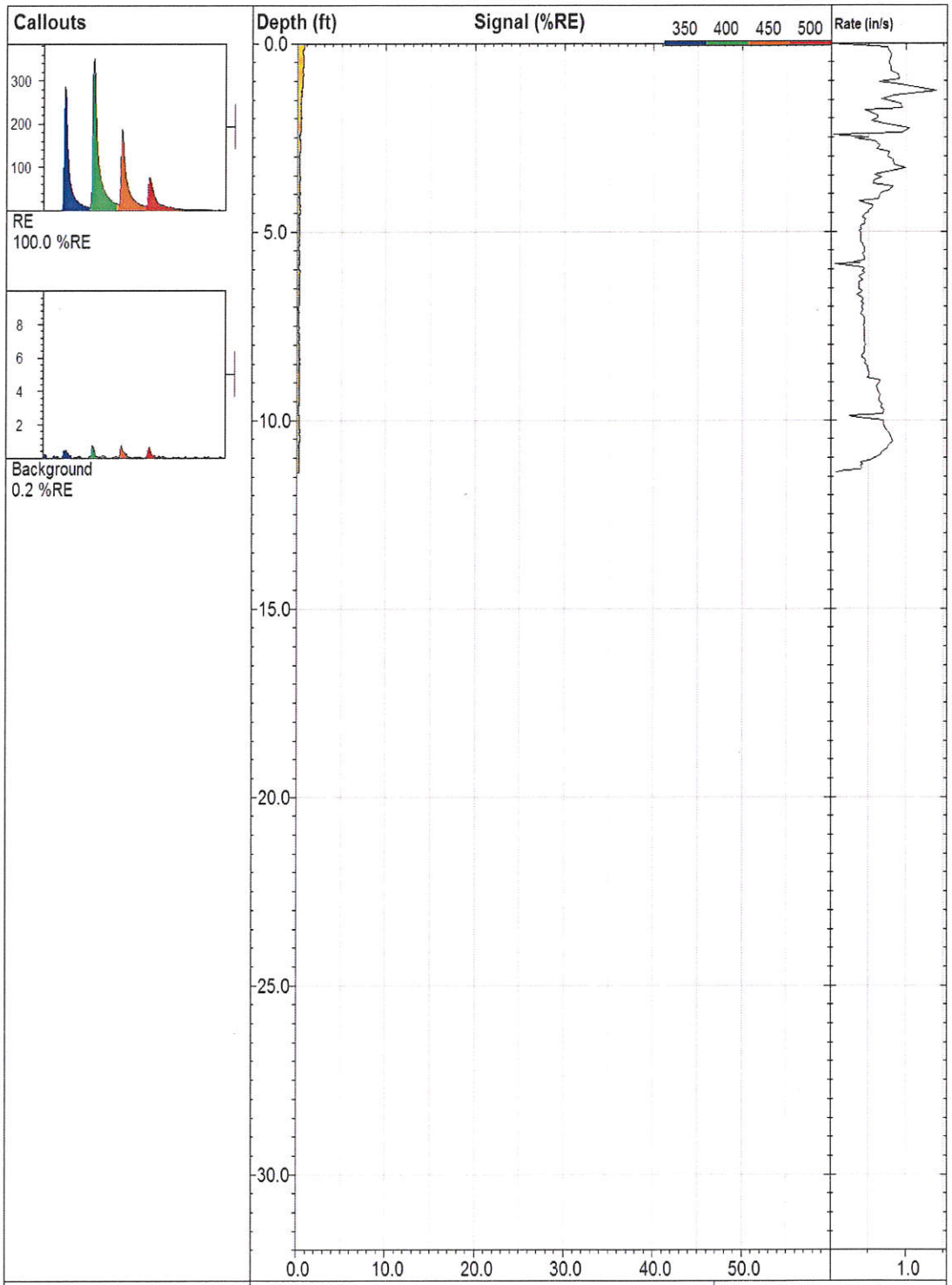
Station **LIF-29**

Date 2015-03-25

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-30**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **11.38 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **0.8 %RE @ 0.11 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-25 11:24 CDT**

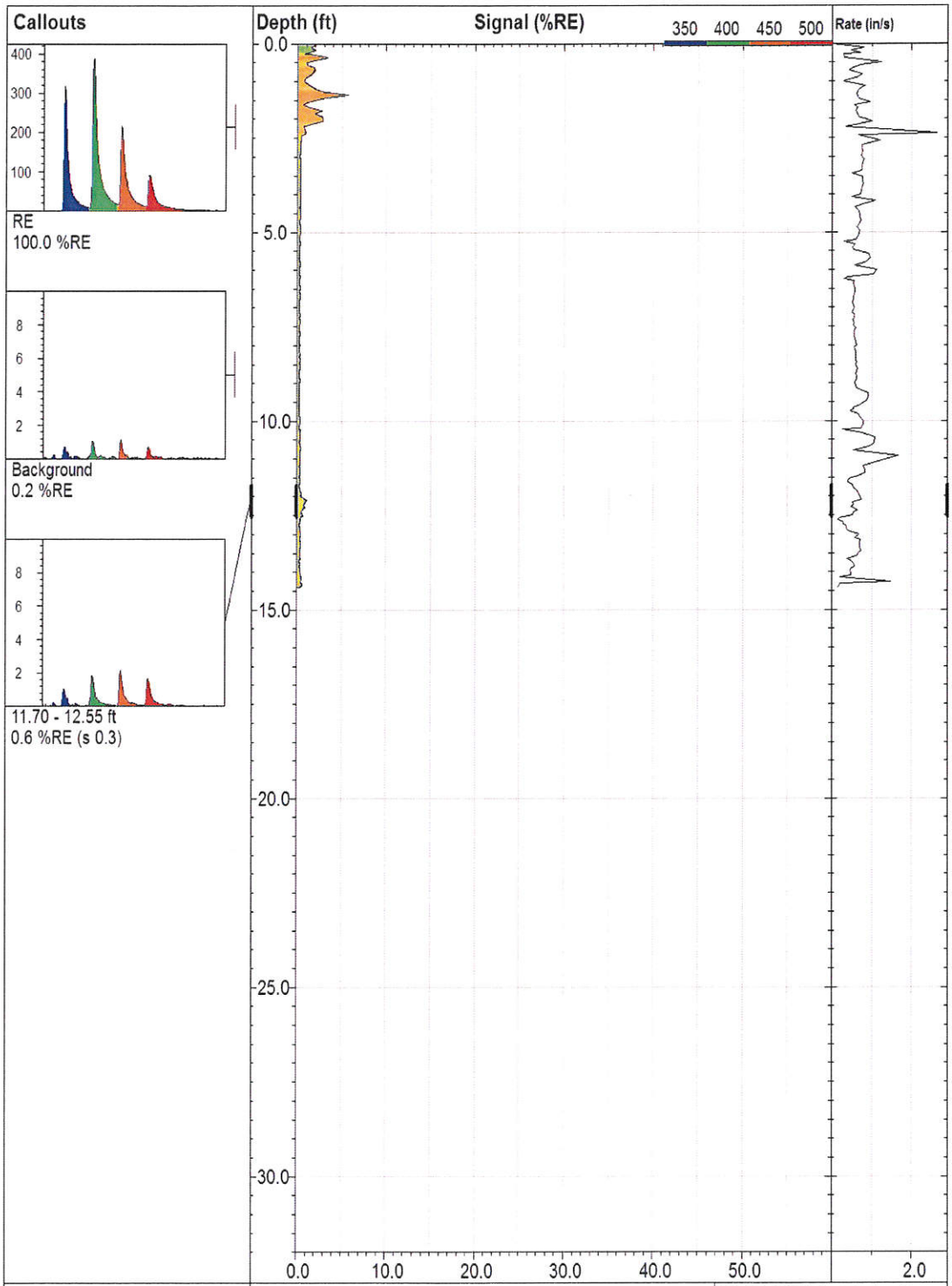
Station **LIF-30**

Date 2015-03-25

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-31**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **14.40 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **5.7 %RE @ 1.36 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-25 12:27 CDT**

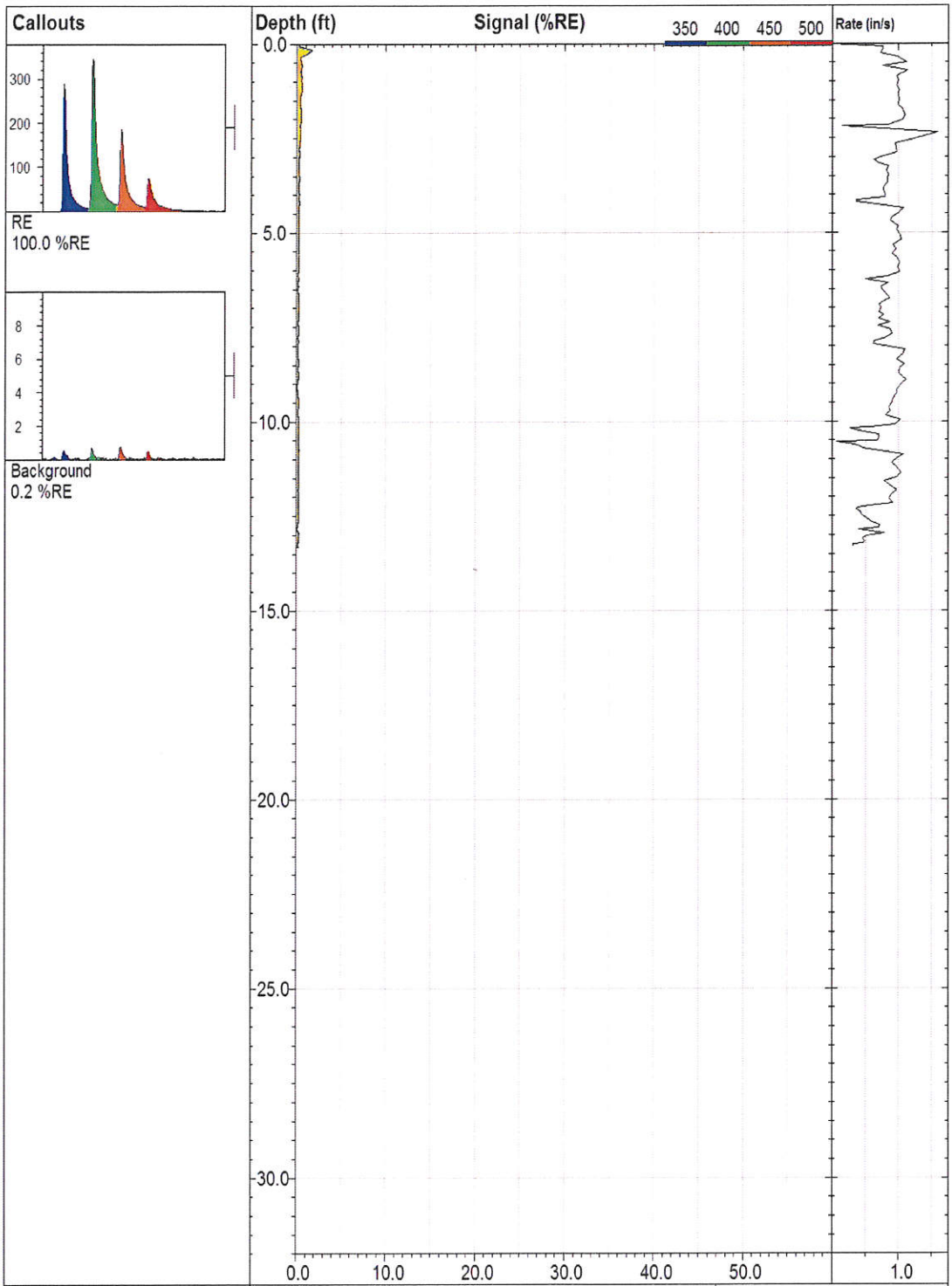
Station **LIF-31**

Date 2015-03-25

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-32**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **13.31 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **1.7 %RE @ 0.16 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-25 13:09 CDT**

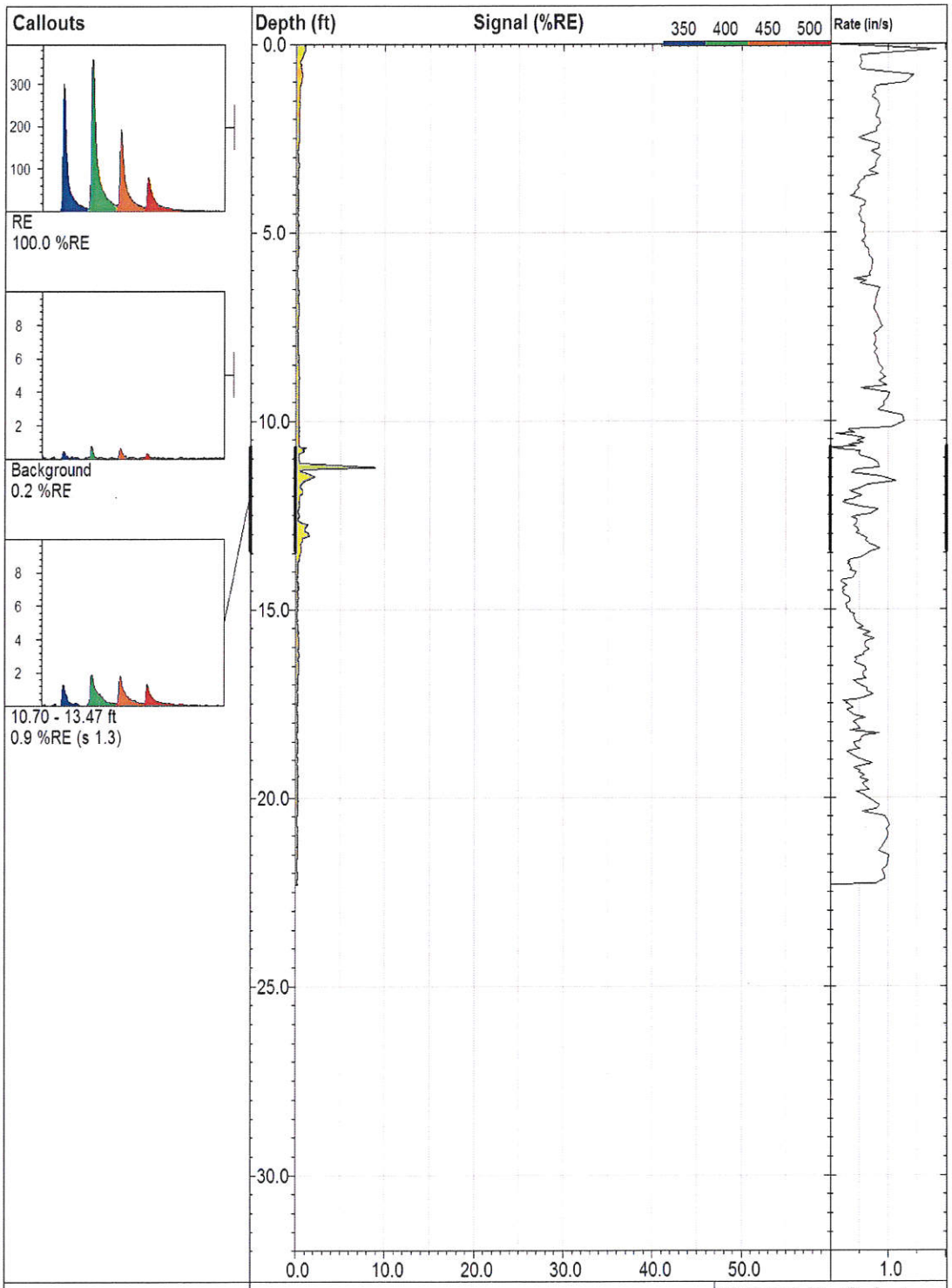
Station **LIF-32**

Date 2015-03-25

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



LIF-33		UVOST By Dakota www.DakotaTechnologies.com
Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **22.31 ft**
Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **8.9 %RE @ 11.23 ft**
Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-25 13:35 CDT**

COLUMBIA TECHNOLOGIES

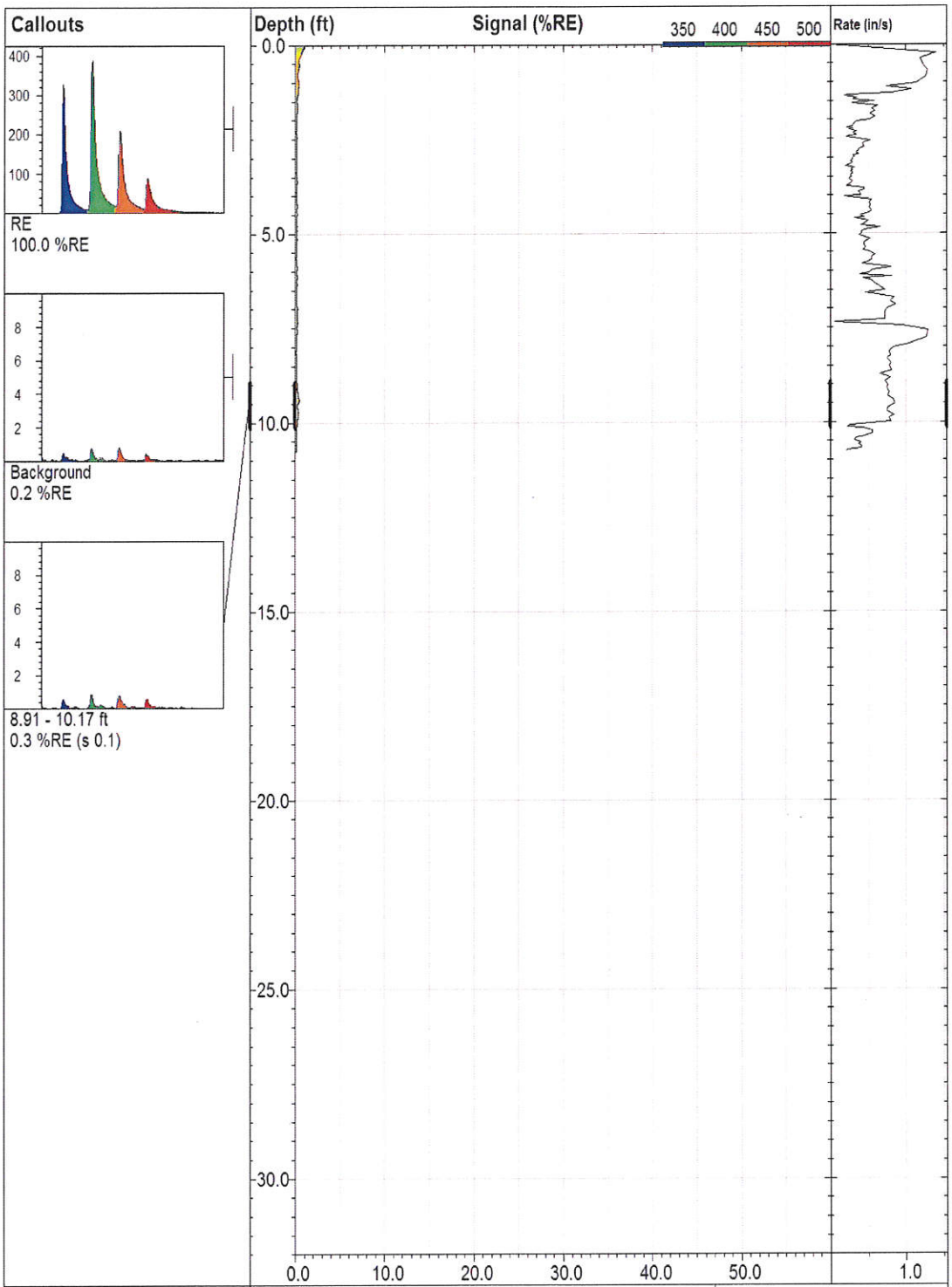
Station **LIF-33**

Date 2015-03-25

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES



COLUMBIA TECHNOLOGIES	**LIF-34**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Eaves Grocery**	*Y Coord.(Lat-N) / System:* **Unavailable / NA**	*Final depth:* **10.76 ft**
	Client / Job: **CDGE /**	*X Coord.(Lng-E) / Fix:* **Unavailable / NA**	*Max signal:* **1.1 %RE @ 0.00 ft**
	Operator / Unit: **G Jones / UVOST1008**	*Elevation:* **Unavailable**	*Date & Time:* **2015-03-25 14:10 CDT**

Station **LIF-34**

Date 2015-03-25

Scale Individual

Project Eaves Grocery

COLUMBIA TECHNOLOGIES