ROCKY FLATS ORIGINAL LANDILL GEOTECHNICAL INVESTIGATION REPORT

Jefferson County, Colorado

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1.0 INTRODUCTION

This report presents the results of a geotechnical investigation by Tetra Tech, Inc. to evaluate localized occurrences of slope instability at the Original Landfill site (OLF) located at the U.S. Department of Energy (DOE) Rocky Flats Environmental Technology Site (RFETS). The investigation was performed for S.M. Stoller Corporation as part of their DOE contract No. DE-AM01-07LM00060 for the U.S. Department of Energy Office of Legacy Management, Grand Junction, Colorado.

The OLF and Rocky Flats are located 16 miles northwest of Denver in Jefferson County, Colorado. The general site location is shown on Figure 1.

This report contains background and descriptions of the existing site, limited discussion of the geologic conditions, a brief summary of some previous work conducted at the OLF, descriptions of Tetra Tech's field and laboratory investigations, and an evaluation of the subsurface conditions at the OLF. The results of the investigation were used to develop feasible alternatives for mitigation of the localized areas of slope instability at the OLF.

The U.S. Department of Energy (DOE) is managing the Legacy Management (LM) Program to provide operations and maintenance at Rocky Flats. S.M. Stoller (Stoller) is the Legacy Management Support Contractor. Rocky Flats is maintained by Stoller's office in Westminster, CO.

2.0 BACKGROUND

According to information provided to Tetra Tech by S.M. Stoller (2007), the OLF was used between 1952 and 1968. Accurate and verifiable records of the wastes placed in the landfill are not available. However, approximately 74,000 cy of sanitary waste and construction debris were reportedly disposed in the OLF. A raw water treatment plant filter backwash pond was also located within the OLF footprint, and probably abandoned without any backwash sludge removal by 1964. The effluent from the water treatment plant was discontinuous and probably made up of filter backwash, filter pre-wash, sludge blowdown, and other discharges from the water treatment process.

Under the Final Interim Measure/Interim Remedial Action (IM/IRA) for the Original, a 2-foot-thick soil cover was selected to address closure of the Original Landfill. To enhance the slope stability of the landfill, the existing slopes were regraded prior to placement of the soil cover, and a buttress fill was installed at the toe of the landfill. The remedial action also included installation of perimeter drainage channels and cover diversion berms to control surface water run-on and runoff around the landfill cover. Construction was completed in September 2005, with the final regulatory walk-down occurring on September 12, 2005.

Settlement cracks, differential settlement, subsidence in drainage channels, and seeps that created saturated areas or direct surface flows on the cover or near the buttress toe have been found on inspections, which triggered the need for a goetechnical investigation to determine if these conditions are likely to influence the integrity of the existing cover and surface water drainage over the OLF. Previous geotechnical engineering studies, slope stability analyses, groundwater modeling, and geologic investigation have been conducted on the OLF, and the remedy decision documents provide the objectives and implementation requirements for the OLF remedy.

The geotechnical investigation addressed in this report was conducted in accordance with the November 2007, Original landfill Geotechnical Investigation/Engineering Work Plan, DOE-LM/1545-2007, which was approved by the Colorado Department of Public Health and Environment.

3.0 SITE CONDITIONS

The OLF site is located on a south-facing hillside on the north side of Woman Creek and the Woman Creek Drainage. Woman Creek is an intermittent stream that flows from west to east through the area. Elevations range from about 5925 feet near the southeast corner of the OLF to about 6040 feet near the northwest corner of the OLF. The OLF measures approximately 1,800 feet in the east-west direction. The distance from Woman Creek upwards to the top of the hill that marks the northern boundary of the hillside is about 700 feet. The OLF encompasses about 20 acres of land within that area. The OLF has been graded to a slope of approximately 18 percent. A buttress fill was placed near the toe of the slope as part of previous closure work summarized above, and erosion control berms were added to direct runoff to two channels, one each on the east and west sides of the OLF. The ground surface is further protected from erosion by erosion control matting, straw wattles, and other manufactured products. A number of seeps have been mapped at locations on the hillside and at the toe of the buttress. The topography of the OLF and the approximate locations of the seeps are shown on Figure 2.

Closure design and final construction conditions are reflected in the May 2005, Accelerated Action Design for the Original Landfill prepared by Earth Tech, Inc. (Earth Tech, 2005).

4.0 GEOLOGY

The geology of the OLF was evaluated by reviewing geologic mapping and reports of the area, by site visits by Tetra Tech geologists, and by observation of test pit excavations and core samples recovered from exploratory borings. Comprehensive geologic investigations of Rocky Flats and the surrounding area have been completed by others, including a report by EG & G Rocky Flats, Inc. titled *Geologic Characterization Report for the Rocky Flats Environmental Technology Site*, dated March 1995. Tetra Tech examined the EG&G report, the geologic summary included in Earth Tech (2005), a publication by the USGS titled *Surficial Geology of the Louisville Quadrangle, Colorado*, dated 1955, and a map by Colton and Holligan titled *Photointerpretive Map Showing Areas Underlain by Landslide Deposits and Areas Susceptible to Landsliding in the Louisville Quadrangle, Boulder and Jefferson Counties, Colorado*, dated 1977. Those documents can be reviewed for detailed geologic information regarding the OLF. The following discussion of local geology is presented to provide background specific to the slope instability being examined at the OLF.

The OLF is located in a structurally stable area (EG&G, 1995) between the Front Range of the Rocky Mountains to the west and the Denver Basin to the east. The surface of the area is a broad pediment that is covered by a thin mantle of silty topsoil over clay, sand and gravel deposits of the Quaternary Rocky Flats Alluvium. More recent alluvial deposits exist locally and in stream channels and valleys. The Rocky Flats alluvium is described as reddish-brown, poorly sorted, coarse clayey sand with varying concentrations of pebble and cobble clasts derived from erosion of the mountains to the West. In the vicinity of Rocky Flats, the thickness is reported by EG&G to be 10 to 25 feet. The Rocky Flats Alluvium rests unconformably on the sedimentary bedrock. The Rocky Flats Alluvium provides for infiltration of surface water and recharge (EG&G, 1995).

The bedrock geology consists of comparatively flat-lying claystone and sandstone deposits of the Upper Cretaceous Arapahoe and Laramie Formations. The Arapahoe Formation is a fluvial deposit that locally includes a discontinuous sandstone or pebble conglomerate layer at the base and greenish claystone and siltstone overbank deposits. The thickness has been mapped at 0 to 50 feet locally (EG&G, 1995).

The upper Laramie Formation is described as a 300 to 500 feet thick sequence of gray and yellowish-orange kaolinitic claystones with ironstone nodules, and dark-gray to black, carbonaceous claystones, discontinuous coal beds and lenticular sandstones (EG&G, 1995). In comparison with the Arapahoe Formation, the Laramie generally contains more finer grained materials, and more abundant carbonaceous material.

The Tetra Tech investigation supports the published literature and geologic mapping. Based on these descriptions and observations of the subsurface during our field investigation, it appears the OLF is mostly underlain by a weathered portion of the Laramie Formation. The sandstone encountered near the northwestern edge of the OLF may belong to the lower part of the Arapahoe Formation. The weathered claystone and carbonaceous layers provide a low strength zone between the upper, water transmitting colluvial-alluvial materials and the underlying, low permeability clay-shale deposits.
The hillside that comprises the OLF is mapped by Colton and Holligan (1977) as landslide deposits that consist of masses of earth that have moved downslope as earthflows and slumps. Thus these deposits include alluvial and colluvial materials and may include masses of bedrock and weathered bedrock. Below the OLF, landslide deposits may also include fill and waste material that was placed on the hillside during the early operational history of Rocky Flats.

5.0 FIELD INVESTIGATION

Tetra Tech conducted field investigations that included site visits, geophysical surveys of the site, excavating test pits at 9 locations, and drilling exploratory borings at 7 locations. Soil and bedrock samples were collected, and a Professional Geologist logged the borings and test pits. Samples were scanned according to Stoller Health and Safety radiological control procedures. Wipes were taken for radioactive contamination measurement. All results were background, and samples were transported to a licensed laboratory, where they were examined by the Tetra Tech geologist and geotechnical engineer. The elements of the field investigation are described in more detail below.

5.1 Site Visits

Tetra Tech geologists, a geophysicist, civil and geotechnical engineers visited the OLF on several occasions to observe site characteristics, confirm the conclusions of literature and mapping that was provided for our review, and plan other facets of the geotechnical investigation. Stoller personnel provided required safety training and accompanied Tetra Tech staff while on site. Boring and test pit locations were identified on mapping, and then confirmed in the field. Note that several planned test pit locations were subsequently moved slightly based on field conditions, and one boring location (Tt-1) was moved to better position it with respect to observations of slope instability that were apparent in the field.

Several areas of distress were observed on the OLF. On the western side of the OLF, a curvilinear crack and "scarp" trending northeasterly was visible. Cracking extends through the final cover. Stoller reported the crack to have a displacement on the order of about 18 inches. A small bulge or mound of soil was apparent down the slope marking the apparent toe of the slope failure. The failure appeared consistent with a classical circular "slump" type slope failure.

Smaller slope failures were observed in sidewalls of the east and the west channels (see Figure 2). These failures also appeared to be slump type failures, and occurred in steeper portions of the drainage channel sidewalls.

A broad, shallow depression was pointed out by Stoller personnel in the eastern portion of the OLF that initially appeared to be a settlement feature because no cracking or displacement was apparent at the upper limit of the depression. These areas were identified as targets for more detailed field investigation.

5.2 Geophysical Investigation

A geophysical survey was completed by Tetra Tech to assist in characterizing the thickness and extent of waste placement area within the OLF. By characterizing the thickness and areal extent of the waste deposit, exploratory test pits and borings could be better positioned to evaluate the subsurface in areas where waste did and did not exist, and to determine if a direct correlation existed between areas of thick waste deposits and areas of slope instability. A third objective was to determine if a thick lobe of waste might exist below the area on the east side of the landfill where settlement was suspected to have occurred.

The geophysical methods used for this investigation consisted of seismic refraction and high resolution resistivity (resistivity). The geometry (source, geophone, electrode spacing, and line lengths) of the seismic and resistivity field investigations were maximized to map the presence

of the lenticular waste deposit at the OLF. Background information indicated that the waste is located within approximately 30 feet of the ground surface.

The geophysical survey was conducted on December 3, 2007 through December 5, 2007. Seismic refraction and resistivity data were collected along three profiles at the OLF. The geophysical methods used at the OLF were successful in providing data to assist in mapping the presence and thickness of waste at the OLF. This section provides a brief summary and description of the seismic and resistivity methodology, field investigation activities, and interpretation of results from the geophysical surveys.

5.2.1 Geophysical Methods

Seismic methods require the generation of a sound wave into the subsurface of the earth and instrumentation to measure and record the refracted waves. This is accomplished by the use of a seismic source (hammer and plate, shotgun, explosive, etc.), a seismograph, and a length of cable with multiple geophones. The seismograph measures the travel times of elastic waves generated by the source through the subsurface. Geophones sense the seismic vibrations, convert them to electrical impulses and send them to the seismograph to be recorded.

The refraction method measures the compressional wave (p-wave) velocity to image the subsurface. Refraction wave paths cross boundaries between materials in a way that energy travels from source to receiver in the shortest possible time. Source to receiver travel time and the corresponding geometry of the geophone spread are then used to calculate velocities and depths. The seismic velocities are characteristic of the type and density of the unconsolidated material and or rock represented.

The seismic refraction data is interpreted using software for selecting first arrival times and calculating the seismic velocities for each unit and the depth to lithologies of contrasting density. This process provides high-resolution seismic refraction interpretations by providing depth information under each geophone to various geologic layers. Tomographic processing algorithms can also be used with multiple shot data and provide a higher resolution interpretation of spatial changes in subsurface velocities. Seismic data are typically presented in two-dimensional (2-D) cross section showing changes in velocity at depth.

Certain site-specific conditions, if present, can limit the resolution of the seismic refraction interpretation, which may include cultural noise (automobiles, machinery, etc.) and/or the presence of thin and/or slower velocity zones at depth, which can create erroneous depths in the interpretation of the data.

The method of electrical resistivity incorporates the introduction of an electrical current into the ground through a pair of electrodes (current electrodes) while measuring the resultant voltage field in the ground at an offset pair of electrodes (potential electrodes). The purpose of the resistivity survey is to delineate vertical variations with depth in the subsurface material. This is based on the fact that the subsurface penetration of the electrical current is a function of the electrode separation. The change in electrical properties with depth is determined by taking measurements at increased electrode spacings and modeling the change in apparent resistivity with electrode spacing. This type of survey is referred to as a resistivity sounding. By making a series of soundings along a profile line the lateral changes in layer resistivity can also be determined. The use of multiple electrode systems allow for collection of resistivity data that can be presented in the form of 2-D electrical cross section representative of hydrogeologic conditions.

The arrangement of electrodes in the field is referred to as the electrode array. Various types of arrays are available for use in collecting data. For this survey, dipole-dipole arrays were used. The dipole-dipole array separates the current electrodes from the potential electrodes as dipoles on opposite ends of the array.

Electrical resistivity is a physical property, which is diagnostic of the type of geologic material present. Unsaturated soils have higher resistivity (lower conductivity) than saturated soils. Sand and gravel material that contain low silt and clay content have higher resistivity than soils with high silt and clay content. Sandstone, limestone, and granites typically have higher resistivities than shales and siltstones. By determining the resistivity of the layers identified in a resistivity depth sounding, the nature and thickness of the geological material in each layer can be estimated. The depth to bedrock can usually be estimated through data interpretation. Voids and cavities filled with air will typically have a relatively high resistivity compared to surrounding materials while water filled voids will typically have a relatively lower resistivity than surrounding materials.

The resistivity values measured in the field are called apparent resistivity values because they are a composite measure of the resistivity of all layers that the current flowed through. The field data is typically modeled using inversion algorithms to distinguish the effects of each electrical layer penetrated in order to determine the thickness and true resistivity of each layer.

5.2.2 Field Seismic Investigation

The seismic data was collected utilizing a Seistronix RAS 24 (24-channel) seismograph, 4.5 Hz geophones and a 12-pound hammer as a seismic source. Each line consisted of 24 geophones each spaced ten feet apart for a total length of 230 feet each. Multiple seismic clines were combined to make seismic profiles. Seismic Profile A consisted of 3 seismic lines (660 ft.), Profile B consisted of four seismic lines (880 ft), and Profile C consisted of two seismic lines (450 ft). Each line along the profiles was overlapped by two geophones. Seismic source shots were performed at seven locations along each seismic line to increase data resolution and include: one off-end locations (generally 10 feet from each end geophone); geophones 1 and 24; and between geophone pairs 6 and 7, 12 and 13, and 18 and 19. Data from each shot were recorded at 0.5 millisecond intervals for one second and stored on a laptop computer connected to the RAS-24 seismograph. The autostacking feature of the seismograph was used to stack multiple hammer blows at each location in order to increase the signal to noise ratio of the data. Seismic data from three lines located as shown on Figure 3 was collected for this investigation.

5.2.3 Field Resistivity Investigation

An electrical resistivity survey was performed using an Advance Geophysical Systems Inc. (AGI) Super Sting R8 56-channel resistivity imaging system (the Sting). The survey equipment consisted of a transmitter/receiver, four 14-takeout electrode cables, each with evenly spaced takeout spacings. Data was collected from three resistivity profiles (1, 2, and 3) each consisting of 56 stainless steel electrodes placed in the ground and evenly spaced and attached to a cable connected to the Sting. Resistivity Profiles 1 and 2 were 1,100 feet long with electrodes at 20-foot intervals and Profile 3 was 550 feet long with electrodes 20 10-foot intervals. The Sting transmitter was positioned in the center of the line, between electrodes 28 and 29. Figure 3 shows the approximate location and orientation of resistivity profiles 1, 2, and 3. The resistivity profiles are parallel and adjacent to seismic Profiles A, B, and C.

The electrode spread geometry was controlled by the internal transmitter switching system of the Sting. For the dipole-dipole method, the switching system selects various electrodes to form dipole pairs of current electrodes and potential electrodes with different dipole spacing, dipole offsets, and array centers. Multiple measurements were made along each profile line to measure the lateral and vertical changes in subsurface resistivity. The array geometry for the surveys was limited by the length of the resistivity cables, electrode spacing, and equipment parameters. The array geometry and the geology limit depth of penetration.

The location of the seismic and resistivity survey lines were surveyed with a hand held GPS unit (Garmin GPSMAP 76) after completion of the geophysical investigation.

5.2.4 Data Interpretation

The interpreted cross-sections are included in the figures in Appendix B. The seismic data were analyzed using Geometrics' SeisImager and Rimrock Geophysics SIP software. P-wave data was determined by using SIP to pick the first arrival times which where input into SeisImager's tomographic modeling algorithms to interpret 2-D cross sections of P-wave velocities. Typically tomographic data provides interpretation of changes in horizontal and vertical spatial velocity.

The interpreted seismic cross sections from SeisImager's tomographic modeling indicate that the seismic velocities range from 1,000 feet per second (ft/s) to approximately 8,500 ft/s. The slower velocities (< 4,000 ft/sec) are interpreted to be representative of near surface unconsolidated material, fill, and/or waste, while higher velocities are interpreted to represent weathered rock to more competent rock (>7,000 ft/sec) at depth. The material present at depth between 4,000 and 7,000 ft/sec represent more unconsolidated material grading to weathered bedrock. The velocities measured at the OLF fall within the typical velocity ranges for weathered material and the shale and sandstone bedrock present beneath the OLF. Interpretation of the seismic refraction data indicates that competent bedrock is approximately 40 feet below ground surface (bgs) and that weathered bedrock may be present at a typical depth of about 30 feet bgs. The approximate location of competent bedrock is shown on the seismic profiles (see Appendix B).

Landfill waste and fill is interpreted in the seismic profile cross sections as velocities less then 3,000 feet per second. A dashed line on Figures B-4 through B-6 identifies this area on each cross section. However, natural material present at the OLF may also have similar velocities. This zone varies in thickness of 10 to 30 feet and is present from near surface to approximately 30 feet bgs in the thicker areas. Figure 3 shows the lateral extent of the lower velocity seismic zones within 30 feet of ground surface. This area is interpreted as the location where waste is most likely to be present at the OLF based on relative seismic velocity. The area shown is slightly smaller than that identified in the Earth Tech (2005) study.

The resistivity data were analyzed using the modeling package Res2Dinv to model the apparent resistivity data collected in the field. This program models the field data to image the lateral and vertical changes in subsurface resistivity. Modeling errors were higher then typical due to the presence of highly conductive buried waste and high contact resistance from surface materials. The interpreted data are presented in 2-D cross sections showing varying resistivities of the subsurface material at depth along each cross section. The interpreted resistivity profiles are shown in Figures B-1, B-2, and B-3. The title for each profile indicates the approximate compass orientation from left to right.

The interpreted resistivity cross-sections indicate that the average resistivities measured at the OLF range from less then 1 ohm-meter to over 200 ohm-meters. The maximum depth of penetration for the resistivity data along resistivity Profiles 1 and 2 was approximately 80 feet bgs and approximately 30 feet bgs for Profile 3. The higher resistivities near the surface of each cross-section appear to be representative of the unconsolidated gravely cover material on the surface of the OFL area.

Several areas of anonymously low resistivities (typically less then 5 ohm-meters) are identified on each of resistivity profiles as locations at depth that are potentially representative of buried waste and/or fill. The majority of these zones are within the upper 30 feet of each profile and are not continuous. Figure 3 shows the horizontal extent of these zones at the OLF. This area is interpreted as the location where waste is most likely to be present at the OLF based on relative resistivities.

5.2.5 Summary

The seismic refraction and resistivity investigation was successful in providing data to assist in interpreting the presence of landfill waste and the depth to the competent bedrock subsurface underneath the OLF.

Seismic refraction and electrical resistivity, like any remote sensing technique, require the interpretation of indirect methods of measurement. As such, there is an inherent margin of error, which is unavoidable. Our methods of data acquisition and interpretation are as complete as is reasonably possible, and we believe them to be a reasonable representation of the subsurface conditions. However, due to the subjective nature of any type of interpretation, we cannot guarantee that our results are accurate in all areas. The findings identified by this survey should be compared closely to selective in-situ methods such as the geotechnical borings and/or test pits completed at the OLF before designs are based on these findings.

5.3 Test Pits

Nine test pits were excavated between February 12 and February 20, 2008 at the approximate locations shown on Figure 2. The purpose of the test pits was to investigate subsurface conditions as indicated on Table 5.1.

The test pits provided important visual indications of the subsurface characteristics. The pits were excavated prior to drilling exploratory borings because they provided "big picture" information to guide the drilling and sampling locations. Observation of samples obtained during drilling are often limited or distorted because of the size of the borehole and sampling device. Trenches do not have that limitation. In this case, the test pits showed that the alluvial/colluvial material had a higher concentration of larger gravel within the clay matrix than was apparent by viewing the borehole samples. The test pits also provided a larger scale look at the fill material and the cover material.

Stoller personnel provided health and safety oversight and guidance during the drilling and sampling operations. Observation of the materials and trench sidewalls was made from the ground surface an approved distance from the pit as approved by Stoller health and safety personnel.

The test pits encountered sandy clay fill with varying concentrations of gravel, clayey sand, sandy clay, clay-sand-gravel mixtures (man placed fill, landslide materials, and/or landfill

materials), weathered sandstone, and weathered claystone. Water was encountered in TtP-7 (see Figure 2). Logs of the test pits are presented in Appendix C.

Table 5.1 Test Pit and Boring Objectives

Boring/ Excavation	Depth (ft.)	Completion Stratum	Purpose/Objective	Location rationale	Other
Tt-1	29.5	unweathered Laramie/Arapahoe Formation bedrock	penetrate through the slide mass, failure planes, and weathered bedrock zone to obtain samples. Samples serve 2 purposes: (1) provide visual evidence of the distressed and intact zones; and (2) provide high quality, comparatively undisturbed samples of each stratum for triaxial, direct shear, and consolidation testing.	Above disturbed area	inclinometer installation above current distress to monitor future performance
Tt-2/TtP-1/TtP-2	35.5/12/12	soil below slide plane(s) and/or unweathered bedrock	determine depth/nature of failure; identify & correlate failure plane	in "evacuation zone" of disturbed area	inclinometer installation in scarp area to monitor current/future performance
Tt-3	39	unweathered bedrock	characterize conditions between evacuation zone and deposition zone of apparent circular slide mass	below/between disturbed areas	inclinometer installation in central failure area to monitor current/future performance
Tt-4/ TtP-4	30.5/12	soil below slide plane(s) and/or unweathered Laramie Fm bedrock	explore cause and location of distress; compare locations at different ends of the seep area and in "deposition zone"	in "saturated" area; will show water current water level stratigraphically in deposition zone; may clarify involvement of waste in failure	inclinometer installation within current distress to monitor current and future performance
Tt-5/Tt-6/TtP-5	35.5/30.5/12	soil below slide plane(s) and/or unweathered Laramie Fm bedrock	evaluate presence of multiple slide masses at different levels as reported by Earthtech (2004); investigate water level and relationship to existing drain	within pre-landfill drainage; should show water and slide plane relationship	inclinometer installation in current failure areas to monitor future performance
Tt-7/TtP-6	28.5/14	soil below slide plane(s) and/or unweathered Laramie Fm bedrock	evaluate consolidation vs slope failure for this area	in disturbed area; TtP-6 is in an area where a previous outfall pipe was located according to historical plans	inclinometer installation at approximate upper end of failure zone to monitor present future performance
TtP-9	2	native soil below gravel layer	evaluate/characterize overburden, gravel lense, and underlying stratum	investigate causes of seep 8	
TtP-3	12	soil below slide plane	determine extent of failure depth and relationship with prior sub-excavation	in area of localized slope failures	
TtP-7, TtP-8	11/13	soil below slide plane	observe source of seep water and soil conditions in associated strata	at upper and lower limits of visible seepage and in area of former interceptor ditch	investigate potential source of water collection due to differences caused by the prior interceptor

Several test pits were moved slightly from their originally proposed locations to improve access for equipment or to better align with local features. The locations of the test pits are shown on Figure 2 in the final locations excavated rather than in the originally proposed locations. One of the test pits, TtP-9, was moved north approximately 100 feet to avoid wet conditions near Seep 8 and access issues associated with the slope on the south boundary of the buttress. In the revised location, TtP-9 encountered the buttress drain layer at a depth of approximately 18 inches below the ground surface. The test pit was extended a short distance to observe the drain configuration in more detail. A comparison of the drain rock and geotextile fabric observed in the test pit with the construction plans showed that the drain appeared to have been constructed according to the approved design. No water was observed in the drain at the location excavated.

5.4 Exploratory Borings

Eight geotechnical borings were originally proposed at the OLF. Following excavation of the test pits, boring number Tt-8 at the east end of the buttress above seep 8 was eliminated from the program. The location of Tt-1 was moved about 20 feet south from the original location to better align with the field location of the prior distress cracks. The seven borings were drilled at the locations shown on Figure 2 between March 27, 2008 and April 8, 2008. The objectives of the borings were to obtain comparatively high quality and undisturbed samples for laboratory testing, to determine depth to water at critical areas, to look for failure planes and weak zones within the subsoils and bedrock, and to provide locations for the installation of instrumentation to monitor future movement. Table 5.1 presents specific objectives of the borings and test pits.

A track mounted, sonic drill rig was used to drill the seven holes. Access to the drilling locations was provided by removing, then repairing the diversion berms where needed. In general, continuous samples were obtained from the ground surface to the total depth drilled. Clear polycarbonate tubes were inserted in the core barrel to increase the quality of the recovered samples. In some situations, recovery was not possible due to mechanical malfunction of the drill rig, deformation or damage to the sampling tubes that occurred during drilling, and/or large rocks that occasionally became lodged in the core barrel. In addition to the continuous core samples, a split barreled sampler was pushed into the substrata between "runs" of the core barrel to obtain brass liner samples for laboratory testing. After drilling, inclinometer casing and vibrating wire piezometers were installed and grouted in the boreholes.

Drilling and sampling operations and inclinometer casing installation were observed, samples collected and lithology logged by Tetra Tech's Senior Geologist. The geotechnical engineer was also present on the OLF periodically during the operations to observe conditions and monitor the progress. Stoller personnel provided health and safety oversight and monitoring during the drilling and sampling operations.

Holes were drilled to between 28.5 feet and 39 feet deep. Each hole was terminated in comparatively unweathered bedrock. Inclinometer casing was installed in each of the borings to monitor current and future movement of the slide masses as well as to provide a method to document and measure future performance of the slopes. Vibrating wire piezometers were affixed to the outside of each inclinometer casing 2 feet above the lower end of the casing and the instrumentation/casing was grouted in place using tremie techniques.

6.0 LABORATORY TESTING

Geotechnical laboratory testing was performed by Tetra Tech in our Fort Collins, Colorado and Billings, Montana laboratories, and by Advanced Terra Testing (ATT), 833 Parfet Street, Lakewood, CO 80215 (303-232-8308). ATT is licensed by the Colorado Department of Public Health and Environment to handle, store, and test hazardous and radioactive materials (License No. Colo. 896-01, Amendment No. 4). Selected samples were tested to determine the organic content of the soils by Northern Analytical Laboratories, Inc.

During excavation of the test pits, representative bulk samples of the soils encountered were collected by Tetra Tech. During drilling, the continuous core samples and split barrel samples were collected, examined and logged by Tetra Tech. All materials removed from the test pits and borings were field scanned by Stoller to meet Health and Safety requirements and to identify the need for special sample handling or procedures.

Test pit samples were transported to Tetra Tech's laboratories where they were examined by the geotechnical engineer and geologist. Samples were selected for mechanical grain size analysis, Atterberg limits, Proctor compaction, and organic content testing. Test results were used to compare and correlate the test pit samples with continuous core samples and with data from prior studies at the OLF by others. Results of the laboratory testing are provided in Appendix D. Descriptions of the soils are provided in Section 7 of this report.

After health and safety screening and geologic/geotechnical logging, continuous core samples and split barrel samples were transported by Stoller to ATT where they were stored in a secured radiological area until additional scanning was completed by ATT. ATT personnel split the polycarbonate core tubes to facilitate sample observation. The Tetra Tech geologist and geotechnical engineer logged the continuous core, compared the core samples with logs prepared during drilling, and selected additional samples for laboratory testing. A photo log of the core samples is presented in Appendix A.

The goals of the core examination and laboratory testing were to assist in determining the subsurface characteristics of the OLF, identify strength and engineering properties of the soils, and compare/contrast the samples with the bulk samples obtained from the test pits. Small diameter geotechnical samples can provide a distorted perception of the gross soil characteristics of a site because of the size limitations. Testing of "distorted" samples can lead to over- or under- estimating the strength of the subsoils. In the case of soil samples from the OLF, it was noted that bulk and core samples showed a higher percentage of coarse gravel and cobbles, and a higher degree of variability in overall consistency, density, and soil composition than would have been determined from conventional geotechnical sampling alone.

Rather than repeating an extensive program of sampling and testing, Tetra Tech reviewed data from previous geotechnical testing at the OLF (by others), selected samples obtained in our field investigation that were determined to be consistent with the soils observed, and tested them to determine if soils encountered in this investigation were consistent with those identified in the previous work and used in prior slope stability modeling. Shear strength parameters (unit weight, water content, cohesion, and friction angle) used in slope stability modeling are described in Section 9 of this report.

7.0 SUBSURFACE CONDITIONS

The test pits and borings encountered clayey to sandy gravel, silty and clayey sand, sandy clay, low to high plasticity clays, carbonaceous clay/claystone and clay with variable concentrations of organic materials, weathered sandstone and claystone, and comparatively unweathered claystone to the maximum depths explored. Water was encountered in one test pit (TtP-7) at 8 to 9 feet, and in four of the 8 borings at depths of 5 to 19 feet at the time of drilling. Graphical and descriptive logs of the borings are presented in Appendix C.

On the basis of field observations, physical examination of the core and bulk samples, and laboratory analysis, the subsoils were classified into 7 groups that are listed and described below:

- Engineered cover soil;
- Landslide material;
- Man-placed fill and/or waste material;
- Weathered bedrock;
- Bedrock;
- Clay/weathered claystone with organic material; and
- Buttress fill.

Engineered Cover. Borings and test pits suggest that the engineered cover material generally ranges between 2 and 3 feet thick. Design documents specify a soil cover thickness of 2 feet, which was placed on top of a 1-foot graded fill soil layer. In the areas near borings and test pits, Tetra Tech used the cover thicknesses measured for our analyses. In other areas encompassed by the slope stability cross sections we assumed a thickness of two feet. Our investigation indicates the cover soil ranges from clayey gravel with sand to gravelly sand with clay. Silt and clay content (percent passing the number 200 sieve) ranged from 23.8 to 58.7 percent. Liquid limits ranged from 37 to 46, and the plasticity index ranged from 25 to 33. This material is believed to have been derived locally from naturally occurring deposits of Rocky Flats Alluvium (see Section 4).

Landslide Material. Below the cover was a layer of soil ranging in thickness from 0 to 30 feet that was classified as landslide material. This material was generally an unconsolidated and variable mixture of clay, sand, and gravel. In place density was measured at 105 to 123 pounds per cubic foot (pcf) and water content ranged from 2 to 20 percent. Mechanical particle size analyses indicated a range of silt and clay sized particles from 23 to 68 percent. In several of the borings, clay and/or sand lenses were encountered within the gravel deposit. In Tt-7 the gravelly material was not encountered. This material was likely derived from alluvial/colluvial materials present on the hill and slopes prior to historic landsliding. Three samples were tested for organic materials and had concentrations less than 2 percent. For slope stability calculations, Tetra Tech used an average unit weight of 120 (pcf), a cohesion of 50 pounds per square foot (psf), and an angle of internal friction (phi) of 20 degrees. Earth Tech used the same unit weight and phi angle but used a cohesion of 0 psf.

Man-Placed Fill And/Or Waste Material. Under and in some case co-mingled with the landslide material is the landslide waste of the OLF, the man-placed fill used to grade the landfill, and/or fill placed for other purposes during the site history. Two samples of fill from TtP-8 were classified as high plasticity clays (CH), had 81 and 83 percent silt and clay sized material, liquid limits of 53 and 59, and a Plasticity Index of 31 and 33. Two samples tested for

organic content had 2.3 and 3.0 percent organic material. Other samples of the waste and/or fill material appeared similar to the landslide deposits. Observation of the core indicated that laboratory testing and previous studies likely overestimated the density and strength of the materials due to the necessity of testing small, uniform samples. Tetra Tech used slope stability calculations to back-calculate and check geotechnical parameters. We determined that average properties for unit weight of 110 pcf, cohesion of 20 psf, and phi angle of 20 degrees more appropriately characterized the waste deposit.

Weathered Bedrock. Below the waste and/or landslide materials, a variable layer of highly weathered bedrock was encountered in the test pits and borings. Tt-1 encountered a highly weathered sand/sandstone layer at 19 feet that included an organic-rich interval. The remaining borings encountered variably weathered claystone below the waste and/or landslide material. The weathered claystone was very moist to wet, had a soft, "greasy" texture, and generally included a lens or layer of organic material. A sample tested for organic content had a 5.9 percent concentration.

This layer was not modeled in previous studies; however it appears to be a weak zone that we opine is contributing greatly to the instability of the slope. Visual observations of test pits and core samples indicate this layer is where sliding has occurred. Our slope stability calculations modeled this material using a unit weight of 90 pcf, a cohesion of 0 psf, and a phi angle of 10 degrees.

Claystone Bedrock. A layer of comparatively less weathered claystone was encountered below the highly weathered zone in all but one of the borings (Tt-1). Laboratory samples used in triaxial testing had dry unit weights of 108 to 109 pcf and water content of 15.6 to 17.5 percent. A sample used in mechanical grain size analysis had 98 percent silt and clay sized particles (passing the number 200 sieve), a liquid limit of 58, and a plasticy index of 44. Properties used in the slope stability modeling included a unit weight of 130 pcf, a cohesion of 300 psf, and a phi angle of 28 degrees.

Groundwater. Vibrating wire piezometers were installed in the borings approximately 2 feet above the bottom of each boring. Water was encountered at various levels within the landslide deposit, waste and/or fill, and above the weathered bedrock. These levels were generally as anticipated. However, only two sets of readings have been collected to date, so data should be considered preliminary. Data are shown in Section 8 and Appendix F of this report.

8.0 INCLINOMETER/PIEZOMETER INSTALLATION AND MEASUREMENTS

Following the drilling of each of the exploratory borings, a 3.34 inch diameter ABS inclinometer casing manufactured by DGSI was capped and prepared for installation. A vented, vibrating wire piezometer was taped to the outside of the casing two feet above the bottom of the casing. The inclinometer/piezometer apparatus was installed in the borehole for the purpose of measuring water levels and monitoring movement of the ground above the base of the inclinometer. A piezometer completion diagram is provided in Appendix F.

The 3.34 inch diameter inclinometer casing is the largest diameter offered, and provides a longer useful life, because it can accommodate more deformation before access is closed to the probe. It is suitable for all uses and especially recommended for landslides and long-term monitoring. It is also appropriate for monitoring multiple shear zones or very narrow shear zones.

To date, a single set of inclinometer measurements has been recorded at the OLF. Thus, no conclusions can be drawn regarding movement of the OLF based on the inclinometer data. After a number of readings have been made, data can be evaluated. Readings to date are presented in Appendix F.

The vibrating wire piezometer consists of a vibrating wire pressure transducer and signal cable. Readings are obtained with a portable readout or a data logger. Measurements were made by Stoller on April 13 and May 12, 2008. The measurements to date are summarized in Table 8.1 (below).

Table 8.1 Water Level Measurements

Well Number (Boring No.)	4/13/2008		5/12/2008	
	Elevation	Depth (ft)	Elevation	Depth [1] (ft)
82108 (Tt-1)	6014.3	25.2	6014.2	25.2
82208 (Tt-2)	6000.2	27.6	6000.1	27.7
82308 (Tt-3)	5987.0	29.4	5986.8	29.6
82408 (Tt-4)	5979.8	16.8	5979.8	16.8
82508 (Tt-5)	5977.1	19.5	5977.7	18.9
82608 (Tt-6)	5969.4	17.1	5969.4	17.1
82708 (Tt-7)	5979.6	16.1	5975.8	19.9

[1] Depth measured from the ground surface.

Data from shallow "consolidation monitors" was also provided for our review. We understand these monitors consist of rebar stakes inserted approximately 3 feet into the ground. Survey measurements of the top of these stakes have been made at monthly intervals. We reviewed the survey data and plotted the apparent movement between April 2008 and September 2007. Data generated by these measurements does not appear to be conclusive, however the random nature of the movement suggests that no significant failure related movement is occurring. The data and a figure showing the nature of the movement is presented in Appendix F.

9.0 SLOPE STABILITY ANALYSES

Slope stability analyses were performed for seven sections, A through G, across portions of the original landfill within Rocky Flats. The cross-sections are shown on Figure 4, Locations of Slope Stability Cross Sections. The existing slope gradients range from approximately 6 to 1 (horizontal to vertical) to 2 to 1. The materials at the OLF include a cover material derived from the Rocky Flats Alluvium, a waste and construction debris deposit, remnant slide material, an organic layer, weathered claystone bedrock, and comparatively unweathered claystone/shale bedrock of the Laramie Formation.

Slope stability analyses were performed previously for the OLF by Earth Tech, Inc. in 2005 and were presented in a design report prepared for Kaiser-Hill Company. Tetra Tech reviewed engineering properties of soils used in the Earth Tech study, and utilized data collected from Tetra Tech's site investigation. Rather than repeating an extensive program of sampling and testing, Tetra Tech reviewed the Earth Tech data, selected representative samples obtained in our field investigation, and tested them to determine if soils encountered in this investigation were consistent with those identified in the previous work by Earth Tech. In general, laboratory test results indicated that soil properties were consistent, but strengths were lower in the Tetra Tech results. One difference that proved to be significant is the presence of a layer of weathered claystone that includes varying concentrations of organic material.

The stability of the hillside at the original landfill was initially modeled at the locations shown on Figure 4 using the material properties identified by Earth Tech. Soil properties were back-calculated from the slope stability analyses based on the known locations of slope failures to confirm strength parameters. An elevated, perched water table was used in this scenario to model existing conditions and conditions that were shown to exist at the time failures occurred. A third series of analyses were conducted using the lower soil strength parameters and with a lowered water table. The methodology and results for each of these conditions are described in more detail below.

9.1 Methods of Analyses

Slope stability analyses were performed using limit equilibrium methods with the computer program SLOPE/W (GEO-STUDIO, 2007). SLOPE/W solves limit equilibrium slope problems using several different methods. Spencer's method was chosen in this study because it considers both force and moment equilibrium. Interactive searches were performed to determine the most critical failure surface for each section analyzed.

Seismic analyses were not performed on the selected cross sections because the slope stability modeling was conducted as a forensic study rather than as a design study. If or when design measures are implemented, additional slope stability analyses should be performed using the mitigative design concepts, and pseudostatic seismic analysis should be included.

In conventional geotechnical design, a factor of safety of 1.5 is typically used for a steady state condition. However, for this analysis, safety factors greater than 1.0 indicate a stable slope. A safety factor of 1.0 indicates an unstable slope. It is recognized that, since the slope will fail when the safety factor decreases to 1.0, a safety factor less than 1.0 is not possible on a real slope. However, because of the mechanics of the computer model, safety factors less than 1.0 are calculated by the program and are reported as such in Appendix E.

9.2 Material Properties

Material properties used in these analyses were obtained from the previous investigation by Earth Tech, Inc. (2005) and from the data obtained from the current Tetra Tech investigation. The Earth Tech, Inc. properties are summarized in Table 9.1. The Tetra Tech properties are summarized in Table 9.2.

Table 9.1 Material Shear Strength Parameters Used in Stability Analyses – Earth Tech

Material Type	Total Unit Weight, γ (pcf)	Internal Friction Angle, φ (deg)	Cohesion, c (psf)
Cover	120	30	50
Slide	120	20	0
Waste	120	30	50
Weathered Bedrock	120	20	0
Bedrock	125	30	600
Buttress Material	130	33	50
Stream Alluvium	125	33	0

Table 9.2 Material Shear Strength Parameters Used in Stability Analyses – Tetra Tech

Material Type	Total Unit Weight, γ (pcf)	Internal Friction Angle, φ (deg)	Cohesion, c (psf)
Cover	125	24	100
Slide	120	20	50
Waste	110	20	20
Weathered Bedrock	125	21	50
Organic Layer	90	10	0
Bedrock	130	28	300
Buttress Material	130(1)	33(1)	50(1)
Stream Alluvium	125(1)	33(1)	0(1)

Note: Value from Earth Tech, Inc. (2005)

9.3 Analyses

Cross-sections A through G were chosen to model the stability of the slope in areas where distress and/or slope failures are known to have occurred. Several failure zones were analyzed for the cross sections based on field observations. The slope stability results for each cross section are presented in Table 9.3. Factors of Safety calculated for each cross section using the Earth Tech material properties ranged from 1.39 to 1.84. Factors of safety greater than 1.0 indicate a stable slope condition that will not fail under the modeled conditions. Failures have occurred on the Original Landfill, and failure zones were visible until repairs were made on the OLF. Therefore it is apparent that either the actual material properties or the physical conditions of the failed areas must be different than those presented in Earth Tech (2004). The physical condition that has the greatest variability is the water level in various layers below the ground surface under the original landfill.

Furthermore, the Tetra Tech borings and test pits encountered a zone of clay and highly weathered claystone that includes varying concentrations of organic materials. When added to

the slope stability model at the upper surface of the weathered bedrock, as identified in the field investigation, the organic layer resulted in a weak plane that became the failure surface in the slope stability analyses. The organic layers contributed to the lowered safety factors calculated by Tetra Tech for cross-sections A through G. Cross section C was extended to include the buttress constructed as part of the previous stabilization at the OLF. In the computer model, failure was forced in a circular fashion consistent with the failures at the OLF, but the failure envelope was expanded to simulate a large, catastrophic failure that would include the engineered buttress fill. The intent of this analysis was to determine the risk of failure of the OLF on a large scale, resulting in sliding of the OLF materials into the Woman Creek Drainage. The calculated factor of safety for this analysis was 1.75, indicating a low risk of large scale failure.

The slope stability analyses show that the slopes are marginally stable using the strength parameters identified in the Tetra Tech investigation. An increase in the water table into the colluvium/slide material above the weathered claystone with organic material resulted in sufficient strength loss to create slope instability in the cross sections. This simulates a condition in which excess surface water infiltrates the sediments from above. When the water level was lowered in the cross section, the safety factors (and the stability) increased. However, a reduction in the water level alone was not sufficient to increase the safety factors to an acceptable design value of 1.5. Therefore providing a mitigation alternative that lowers the water level in the original landfill sediments will not be sufficient to protect the slopes from future failures. These concepts are discussed in greater detail in the Conclusions section of this report.

Table 9.3 Calculated Factors of Safety

Cross-Section	Material Properties	Location of Failure	Location of Water Table	Corresponding Figure	Factor of Safety
A	Earth Tech	Upper Section	Slide Material	E-1	1.63
		Middle Section		E-2	1.67
		Lower Section		E-3	1.77
	Tetra Tech	Upper Section	Slide Material	E-4	0.93
		Lower Section		E-5	0.86
		Upper Section	Weathered Bedrock	E-6	1.52
		Lower Section		E-7	1.37
B	Earth Tech	Upper Section	Slide Material	E-8	1.84
		Lower Section	Slide and Waste Material	E-9	1.72
	Tetra Tech	Upper Section	Slide and Waste Material	E-10	0.84
		Lower Section		E-11	1.01
		Upper Section	Weathered Bedrock	E-12	1.77
C	Earth Tech	Full Section	Slide Material	E-13	1.75
	Tetra Tech	Upper Section	Slide Material	E-14	0.80
		Upper Section	Weathered Bedrock	E-15	1.27
D	Earth Tech	Upper Section	Slide Material	E-16	1.45
	Tetra Tech	Upper Section	Slide and Waste Material	E-17	0.94
			Weathered Bedrock	E-18	0.97
E	Earth Tech	Upper Section	Weathered Bedrock and Slide Material	E-19	1.83
	Tetra Tech	Upper Section	Slide Material	E-20	0.99
			Weathered Bedrock and Slide Material	E-21	1.33
F	Earth Tech	Middle of Section	Weathered Bedrock	E-22	1.48
	Tetra Tech	Middle of Section	Slide Material	E-23	0.97
			Weathered Bedrock	E-24	1.30
G	Earth Tech	Middle of Section	Slide Material	E-25	1.39
	Tetra Tech	Middle of Section	Slide Material	E-26	0.88
			Weathered Bedrock	E-27	1.28

10.0 CONCLUSIONS

The geotechnical investigation of the Original Landfill at Rocky Flats provided a number of conclusive results. These are described in the following paragraphs. Section 11 of this report provides a range of mitigative alternatives that can be considered to mitigate the instability at the OLF.

The slope failures that have occurred to date are small scale, localized "slump" features that appear to be originating in a weak clay layer. The weak layer is a moderate to high plasticity, very moist clay that includes variable organic matter at and near the interface between the weathered clay/claystone below and the unconsolidated, variable historic landslide deposits, waste material, and cover above. The soil layers above the weak clay do not appear to be particularly weak themselves, however their unconsolidated, porous, and variable nature does not contribute to a stable slope configuration either. Slope stability modeling indicates that increasing the unit weight (i.e. compaction) and decreasing the water content of these layers will increase the factor of safety against slope failure.

In their present condition, the variable and comparatively loose waste and slide materials allow rapid percolation of surface water through them to the weak, underlying clay layer, which becomes further de-stabilized as water lubricates the weak zone and the overburden weight increases. As small failures occur, an equilibrium condition is likely achieved at that localized position on the slope. However, instability continues to increase in adjacent areas until a series of small failures occur. Therefore, we conclude that the failures are caused by an excess of surface water and a low-strength soil condition at or near the bedrock surface. Similar, small scale failures have likely occurred throughout the geologic history of the OLF.

Other localized slope failures that have occurred on the sideslopes of the east and west channels are similar in nature, but are occurring primarily in the cover and shallow fill/slide materials as a result of overly steep sideslopes of the channels. Measurements of slopes in the area where Diversion Berm 3 terminates at the West Channel indicate slopes are approximately 3 horizontal to 1 vertical (33 percent). In an area near the previous slope failure on the East Channel, the channel sideslope is about 3.6 horizontal to 1 vertical (28 percent).

Slope stability modeling does not indicate a large scale instability exists on the OLF. In our analysis (see Figure 4, Cross Section C), the model was extended to include the buttress constructed as part of the previous stabilization at the OLF. In the computer model, failure was forced in a circular fashion consistent with the failures at the OLF, but the failure envelope was expanded to simulate a large, catastrophic failure that would include the engineered buttress fill. The intent of this analysis was to determine the risk of failure of the OLF on a large scale, resulting in sliding of the OLF materials into the Woman Creek Drainage. The calculated factor of safety for this analysis was 1.75, indicating a low risk of large scale failure.

Consolidation testing of the materials does not indicate that the native soils or bedrock below the OLF are prone to consolidation upon loading after wetting. The total thickness of cover material and unconsolidated fill/slide material that overlies the bedrock was measured at about 10 feet in borehole Tt-7. Therefore we concluded that settlement or consolidation of the fill, cover, or clay/shale bedrock of the magnitude that would be required to produce a visible "sag" in the slope is extremely unlikely. It is more likely that a localized slope failure has occurred that is similar in nature, only thinner, to the slope failures that have occurred on the western part of the landfill. Although surface expression of cracking has not been noted, the curvilinear

"depression" that was observed at the ground surface is believed to be the upper extent of a shallow slope failure in that area.

Seeps are the result of surface water that has flowed into the OLF subsoils in an upslope area and migrated through preferential pathways and porous zones until it intersects the ground surface. It appears that as slope failures have occurred, pathways for water have shifted somewhat, resulting in changes in volume and occurrence of seeps over time. The increase in volume of water observed at Seep 8 is likely due to a gradual filling of the subsurface sediments that the buttress drain originally fed, resulting in seepage to the ground surface at the toe of the slope instead of migration downstream through the subsurface.

Irregularities in the drainage/diversion berms are caused in part by minor settlement of the underlying fill, as well as by the localized slope distress.

11.0 RECOMMENDATIONS

A common alternative used to increase the stability of unstable slopes is to decrease the slope by excavating the slope back to a shallower, more stable configuration. In this case, where the instability is caused by a weak layer in the shallow subsurface, it is unlikely that flattening the slope alone would improve the stability sufficiently unless the weak layer was removed during the excavation. Further, such a plan may involve excavating large volumes of soils and waste materials. Therefore such an alternative is not considered feasible for this site. However, there is a range of alternatives available to stabilize the slope at the OLF.

We recommend a phased approach to the mitigation. Several comparatively straightforward techniques can be employed that will mitigate a number of issues at the OLF, but would not address all the issues, and would likely result in the need for on-going maintenance and repairs for small, localized areas of instability. These alternatives are discussed below in Section 11.1. If a complete and more "robust" approach is preferred, the additional repairs described in Section 11.1 and Section 11.2 can be implemented. If all recommended repairs are implemented, the initial cost would be higher, but future maintenance would be reduced.

11.1 Lowering the Water Level

As a first phase of design and construction, improving surface drainage and reducing infiltration of surface water are considered the most feasible alternatives for increasing the slope stability. We understand that revisions to and maintenance of the diversion berms is planned. Any improvements that increase the drainage of surface water and reduce standing water or slow-flowing water on the OLF will increase the stability of the slopes because the infiltration into the subsurface will be decreased. We recommend correcting the current drainage condition so that berms have an average slope of 2 percent in all areas. Rocky Flats Alluvium is a suitable construction material for this purpose. Additional means could be implemented that would reduce infiltration seasonally, such as construction of wind breaks or snow fences to reduce snow accumulation on the OLF. The introduction of plant species that would extract more water from the soil could be investigated.

As a secondary, more robust approach to lowering the water table, a slurry wall or a series of drains could be considered on the OLF to further reduce the water level. A slurry wall constructed up gradient of the OLF would deflect water flowing through the near surface soils and would reduce the volume of water flowing through the subsoils below the OLF. To be effective, the slurry wall would need to be "keyed" several feet into the bedrock so that water infiltration below the wall would be effectively stopped. The wall would need to extend laterally well beyond the limits of the OLF to ensure water would be deflected laterally from the OLF. This technique would not reduce infiltration of surface water from precipitation or runoff on the surface of the OLF, and may increase the volume of water flowing though the subsurface both east and west of the OLF. An advantage of the slurry wall concept is that much of the construction could occur "in-situ" without the need for huge trenches and large areas of disturbance.

A drain system would intercept subsurface water that flows below the OLF and would capture surface water and runoff that infiltrates from the ground surface. However, a drain system would involve excavating a series of trenches through the waste and slide material. Some of the trenches would need to be on the order of 30 feet deep or more in order to penetrate the bedrock. Therefore, we recommend the less invasive approach of repairing the surface

drainage while monitoring changes in water levels and movement before or instead of this approach.

We understand that the existing East and West Diversion channels are larger than may be required. These channels can be partially filled in to reduce the sideslopes, thereby increasing the stability of slopes in those areas. Rocky Flats Alluvium is considered an acceptable material for that purpose. The amount of channel cross section to be filled should be based on the approved design criteria for channel depth and slope.

As shown on Figure 2, a subsurface drain was installed down the hill slope from the area where Seep 7 is observed. Details regarding the condition, depth, slope, or other aspects of the drain are not known to us. However, we understand there may be data available documenting the condition and extent of the drain. This should be investigated. It may be feasible to extend this drain system uphill or up gradient to increase the capture area and reduce surface water from this seep that is collected in the berm 3 channel. Prior to this construction, the outfall for the drain should be confirmed, and the condition of the existing drain should be determined so that additional flow is not introduced into a system that is already blocked, plugged or not functioning as designed for other reasons.

If it is desired to control the flow at Seep 8, a shallow toe drain could be designed and constructed that could be used to collect water near the toe of the buttress and divert it to a downstream point where the discharge can be more controlled and measurable. Such a drain may also improve upstream subsurface conditions if water is "backing up" in the drain.

11.2 Increasing Soil Strength

Slope stability modeling indicates the large scale, overall slope is stable. However, localized failures have occurred on the OLF under elevated water level conditions. A reduction in the water level alone is not considered adequate to ensure the long term stability of the slope. If the drainage/surface water repairs are made, localized failures will still be possible during or after large or prolonged precipitation events. Modeling showed that an increase in soil strength is also needed to increase the safety factor to typical long term levels.

As a phase 2 design concept, after implementation of surface drainage improvements, we recommend consideration be given to grouting the OLF soils from the claystone bedrock layer upwards to the base of the cover. Such a grouting program would involve drilling holes to the bedrock and injecting a cementitious grout mixture under low pressure to fill void spaces in the subsoils in a grid over the OLF. A schematic diagram of a typical grouting process is shown in Figure 5. Grout holes are typically drilled on a grid system with holes spaced approximately 10 feet on center. This process would both reduce the permeability of the soils and increase their strength. The cost of such a program is unknown at this time, however a specialty geotechnical contractor such as Hayward Baker could provide a cost estimate. In order to formulate an effective grout mixture it will be necessary to test the OLF soils to determine how they interact with the grout. In order to confirm that the planned grouting is effective at improving the long term local slope stability, strength parameters of the treated soil should be determined in the laboratory. Additional slope stability modeling should then be conducted to verify that safety factors are adequate.

Other methods such as dynamic compaction could be considered. Dynamic compaction is a process that involves dropping a large weight a calculated distance to increase the density of near surface soils. An increase in unit weight of the OLF soils would increase the slope stability,

if done in conjunction with the drainage methods described above. Two disadvantages of the process are the irregular surface that would result, requiring extensive regrading, reseeding, and related work; and the requirement for a large crane to negotiate the steep slopes of the OLF. Therefore this method is not recommended.

11.3 Additional Investigation

Regardless of which mitigation alternatives are selected, observations of the OLF should continue to determine if additional failures occur. Periodic regrading, recompaction, and drainage control of the OLF should be anticipated. Monitoring of the recently installed instruments should be continued to confirm the conditions. Monitoring the inclinometers will provide valuable information regarding the depth of failure zones within the landfill area. Concurrent information from the piezometers should provide correlation between slope movement and water levels. Readings of the inclinometers and piezometers should be made on a monthly basis, and whenever significant precipitation events or visible slope movements occur. These conditions should be tracked over at least a year. However, if repair work is undertaken it can be done concurrently with the monitoring. In that case, logs of the inclinometer and piezometer readings should include a description of changes. For example, if diversion berm repairs are completed on October 31, 2008, instrument readings taken immediately after that work is completed should include a notation that specifies "modification of diversion berms completed on 10/31/08", or something similar.

Data provided by the consolidation monitors on the west side of the OLF appear inconclusive. Since movement of the slope can be monitored by the inclinometers that were installed as part of this project, readings of the earlier consolidation monuments can be discontinued and the monitors removed when/if it is practical to do so.

12.0 LIMITATIONS

This investigation was conducted to ascertain a reasonable picture of subsurface conditions. Variations in the subsoils not indicated in our borings should be considered likely. This report was prepared from data provided by others, information developed during our field exploration, laboratory testing, engineering analysis and experience with similar conditions. Our calculations and recommendations were based on assumptions of ground conditions, interpretation of geologic conditions, and uncertainties that are unavoidable in geologic and geotechnical studies.

If any of the conditions change, or if information becomes available that would alter our assumptions or our calculations, the opinions presented in this report should be considered invalid until we have been contacted to review the recommendations. We should review plans and specifications during the design, and we should observe the construction to confirm soils are as we anticipated from our borings. Placement and compaction of compaction fill, backfill, subgrade and other fills should be observed and tested by a representative of our firm during construction.

We believe this investigation was conducted in a manner consistent with that level of skill and care ordinarily used by members of the profession currently practicing under similar conditions in the locality of this project. No warranty, express or implied, is made. If we can be of further service in discussing the contents of this report or in the analysis planned project from the geotechnical point of view, please call.

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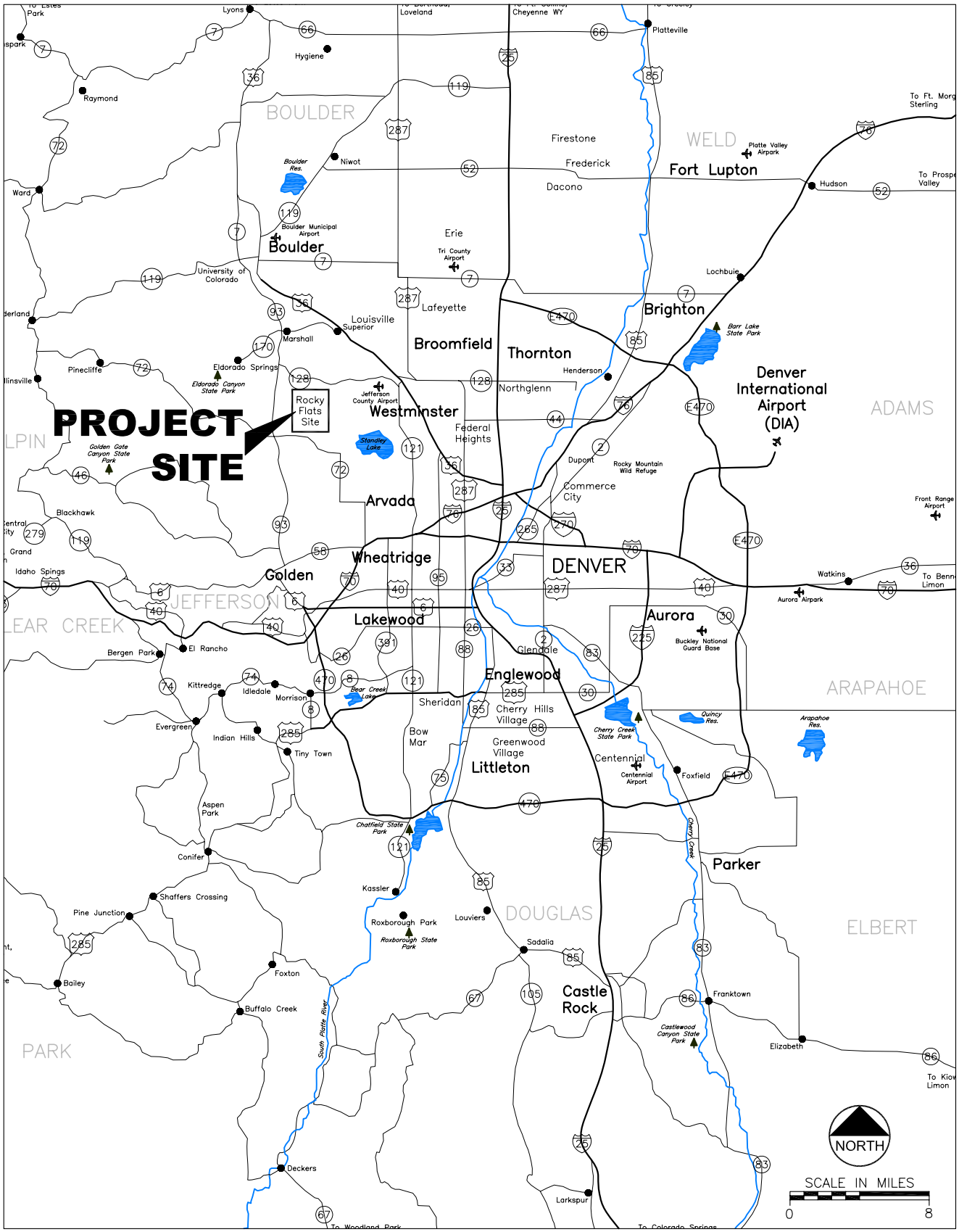
S.M. Stoller Corporation. (2007). Original Landfill – Geotechnical Investigation/Engineering Work Plan. Prepared for U.S. DOE. *LM/1545-2007*. November.



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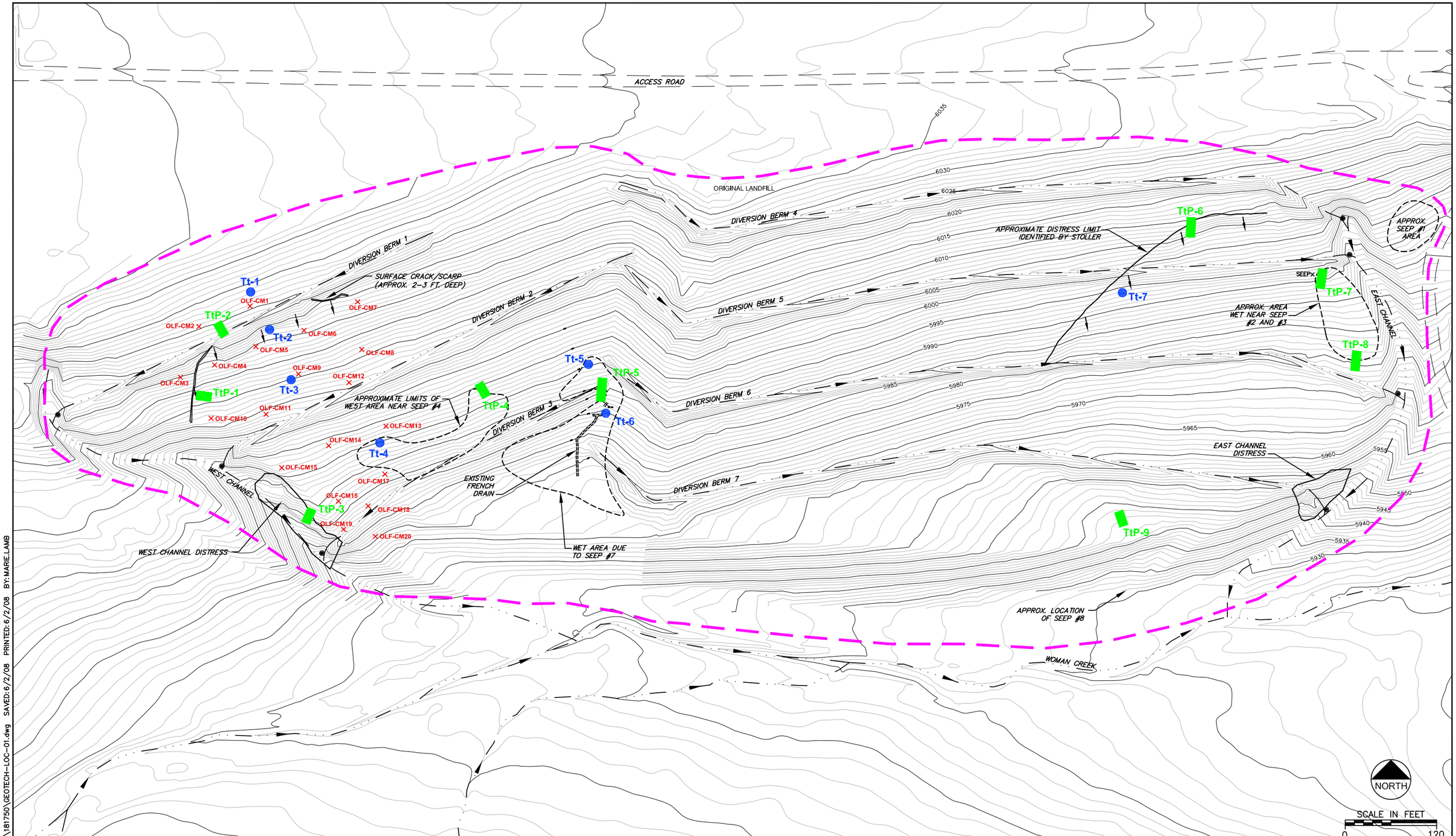
Project No. 181750

June 2008

FIGURE 1
ROCKY FLATS PROJECT VICINITY MAP
ROCKY FLATS ORIGINAL LANDFILL
GEOTECHNICAL ENGINEERING INVESTIGATION



Project No. 181750

June 2008

LEGEND:

- DITCH/CHANNEL/CREEK
- SLUMP OR SUBSIDENCE LINE AND DIRECTION
- ROAD
- SETTLEMENT MONUMENT (EXISTING)
- APPROXIMATE LIMITS OF GEOTECHNICAL INVESTIGATION
- TEST PIT LOCATION
- TEST BORING AND INCLINOMETER LOCATION

FIGURE 2
LOCATIONS OF GEOTECHNICAL BORINGS, TEST PITS, AND SURFACE FEATURES

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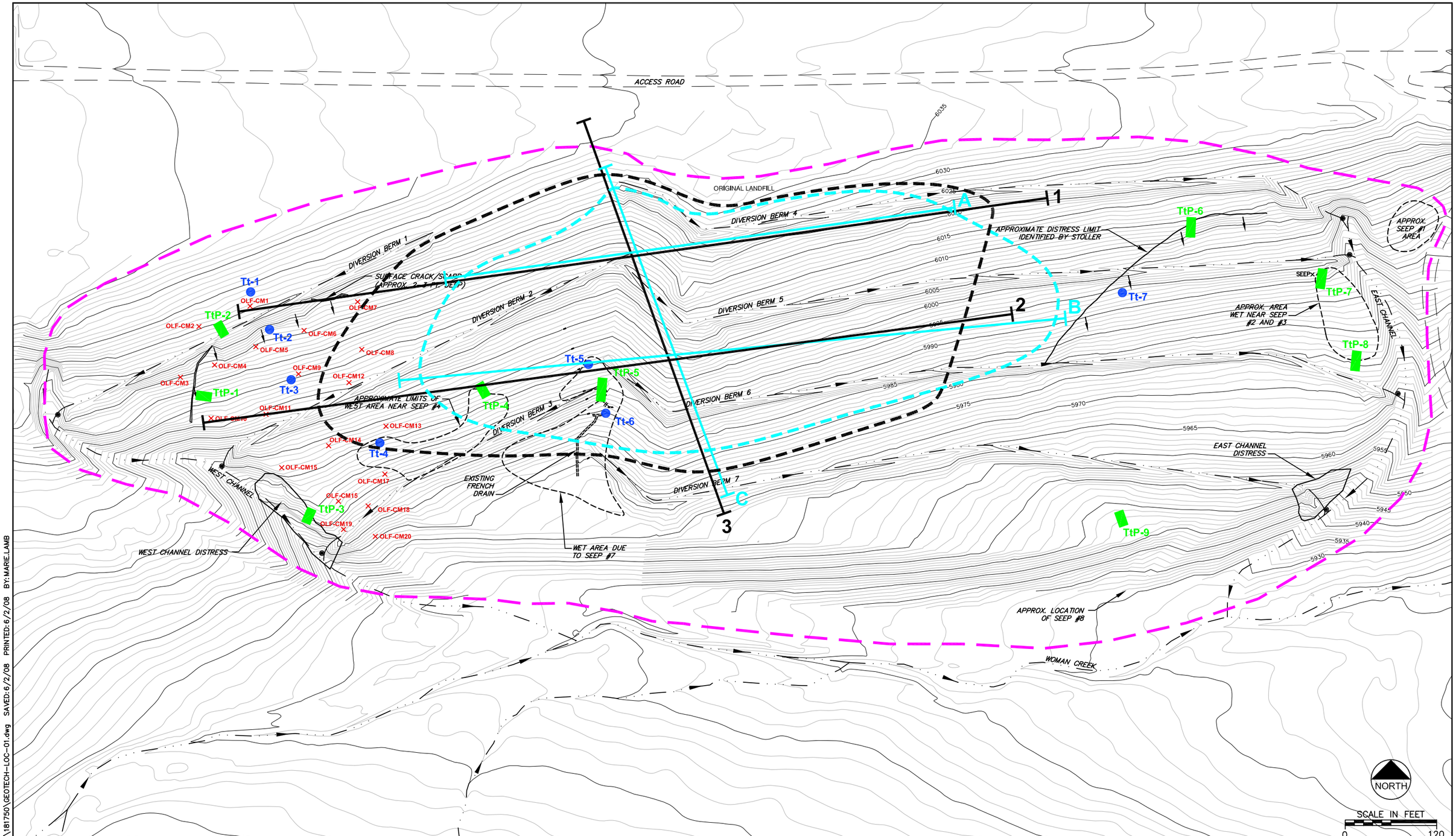

Project No. 181750

June 2008

LEGEND:

- DITCH/CHANNEL/CREEK
- SLUMP OR SUBSIDENCE LINE AND DIRECTION
- ROAD
- SETTLEMENT MONUMENT (EXISTING)
- APPROXIMATE LIMITS OF GEOTECHNICAL INVESTIGATION
- TEST PIT LOCATION
- TEST BORING AND INCLINOMETER LOCATION
- 1 RESISTIVITY PROFILE LOCATION
- A SEISMIC PROFILE LOCATION
- SHALLOW (<30') LOW RESISTIVITY ANOMALY BOUNDARY
- SHALLOW (<30') LOW SEISMIC VELOCITY ANOMALY BOUNDARY

FIGURE 3
GEOPHYSICAL INTERPRETATION MAP

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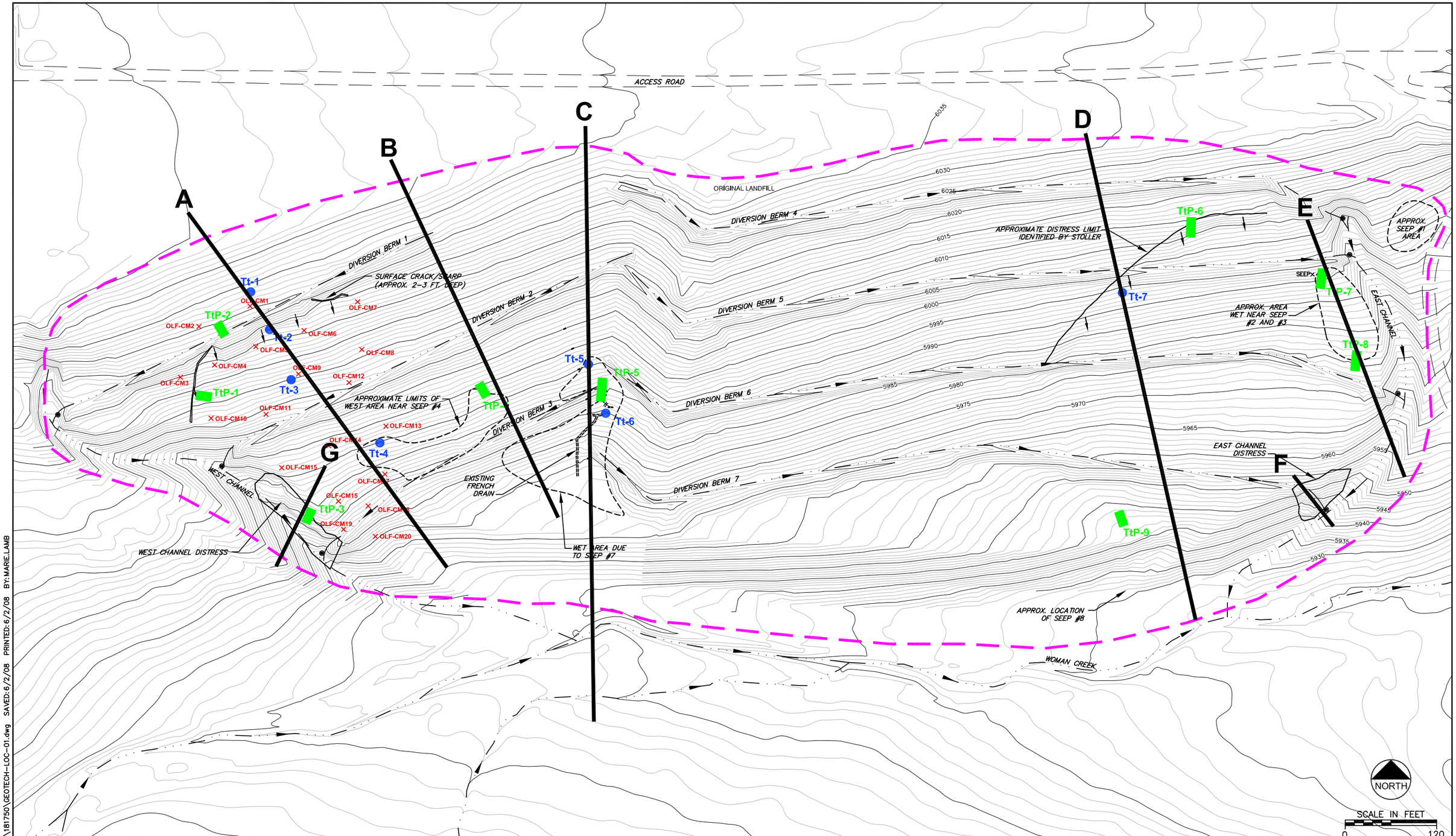

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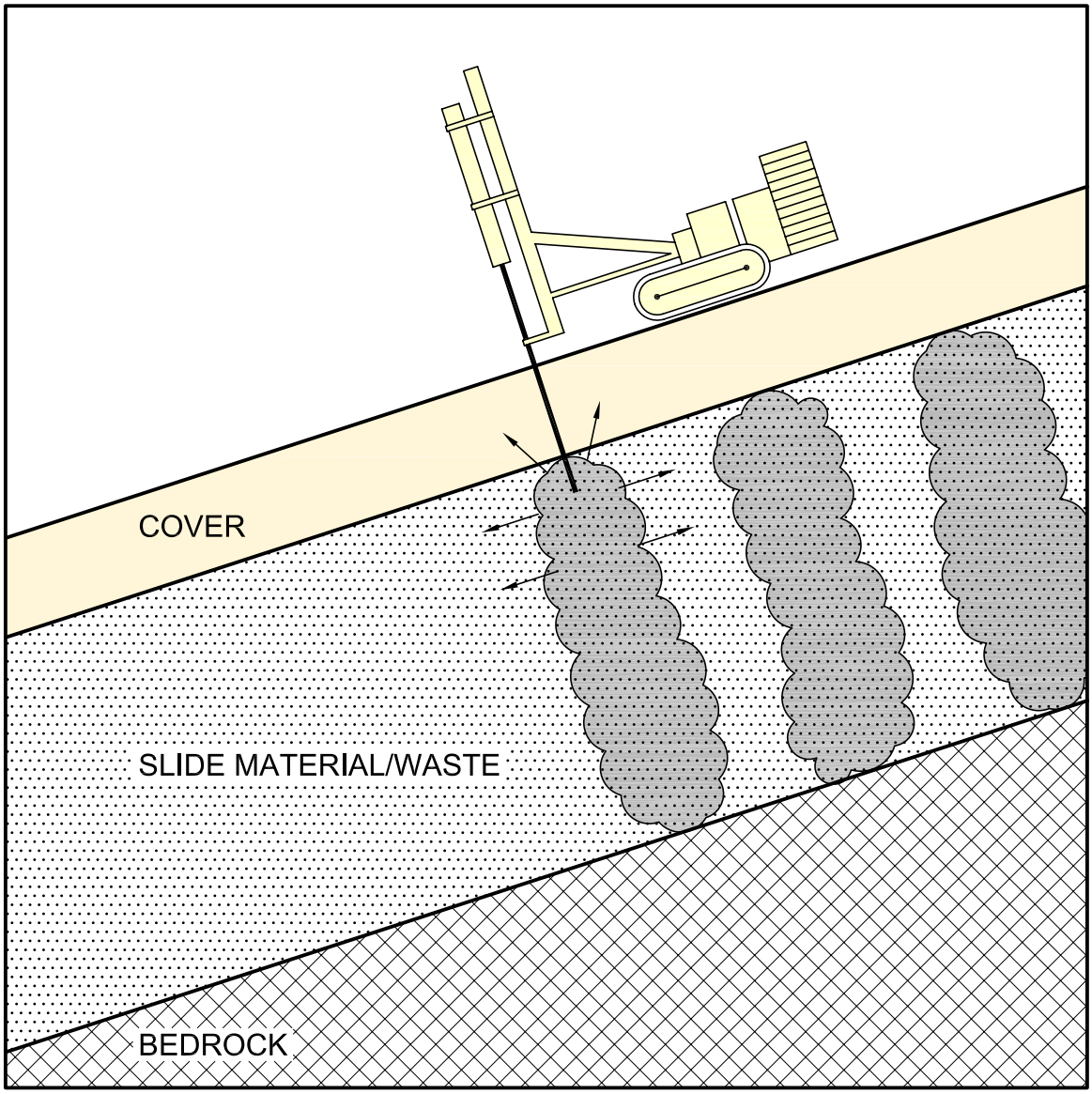
Project No. 181750

June 2008

LEGEND:

- DITCH/CHANNEL/CREEK
- SLUMP OR SUBSIDENCE LINE AND DIRECTION
- ROAD
- SETTLEMENT MONUMENT (EXISTING)
- APPROXIMATE LIMITS OF GEOTECHNICAL INVESTIGATION
- TEST PIT LOCATION
- TEST BORING AND INCLINOMETER LOCATION

FIGURE 4
LOCATIONS OF SLOPE STABILITY CROSS SECTIONS



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Project No. 181750

June 2008

Figure 5
Schematic Showing Rig and Grouting Operation

Tt-1, 0-5a

Tt-1, 0-5b

Tt-1, 0-5c

Tt-1, 0-5d

Tt-1, 0-5e

Tt-1, 5-8a

Tt-1, 5-8b

Tt-1, 5-8c

Tt-1, 5-8d

Tt-1, 5-8e

Tt-1, 9-13

Tt-1, 13-17a

Tt-1, 13-17b

Tt-1, 13-17c

Tt-1, 13-17d

Tt-1, 17-21a

Tt-1, 17-21b

Tt-1, 17-21c

Tt-1, 17-21d

Tt-1, 17-21e

Tt-1, 21-24a

Tt-1, 21-24b

Tt-1, 21-24c

Tt-1, 21-24d

Tt-1, 24-28a

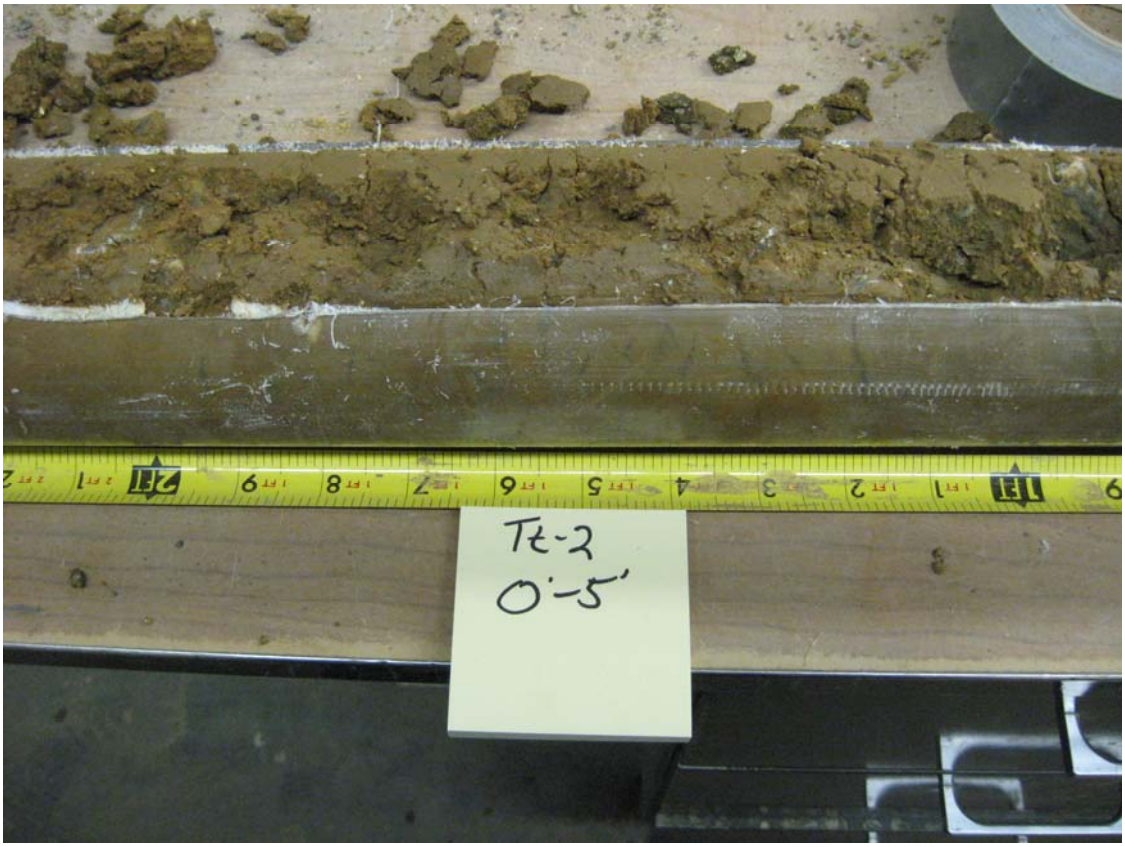
Tt-1, 24-28b

Tt-1, 24-28c

Tt-1, 24-28d

Tt-1, 24-28e

Tt-2, 0-5a



Tt-2, 0-5b

Tt-2, 0-5c

Tt-2, 5-10

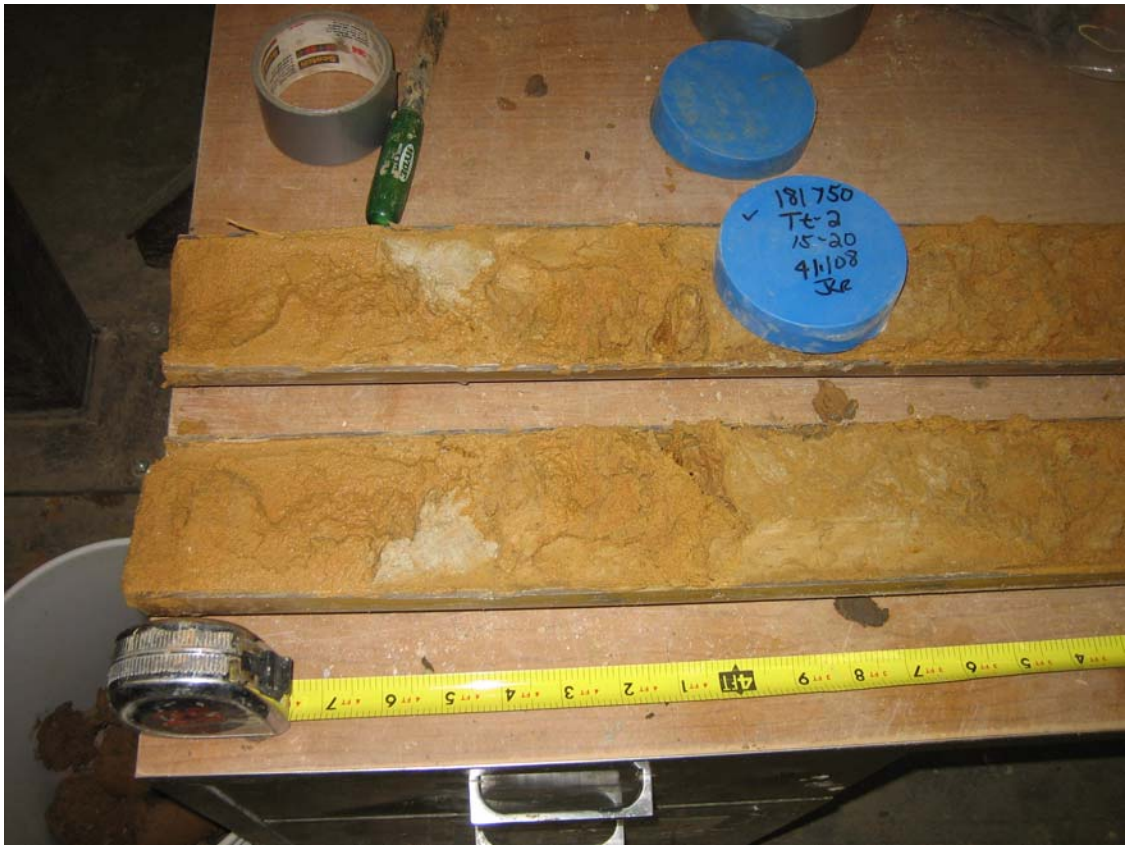
Tt-2, 10-15

Tt-2, 15-20a

Tt-2, 15-20b

Tt-2, 15-20c

Tt-2, 15-20d



Tt-2, 15-20e

Tt-2, 15 ft.

Tt-2, 21-25a

Tt-2, 21-25b

Tt-2, 21-25c

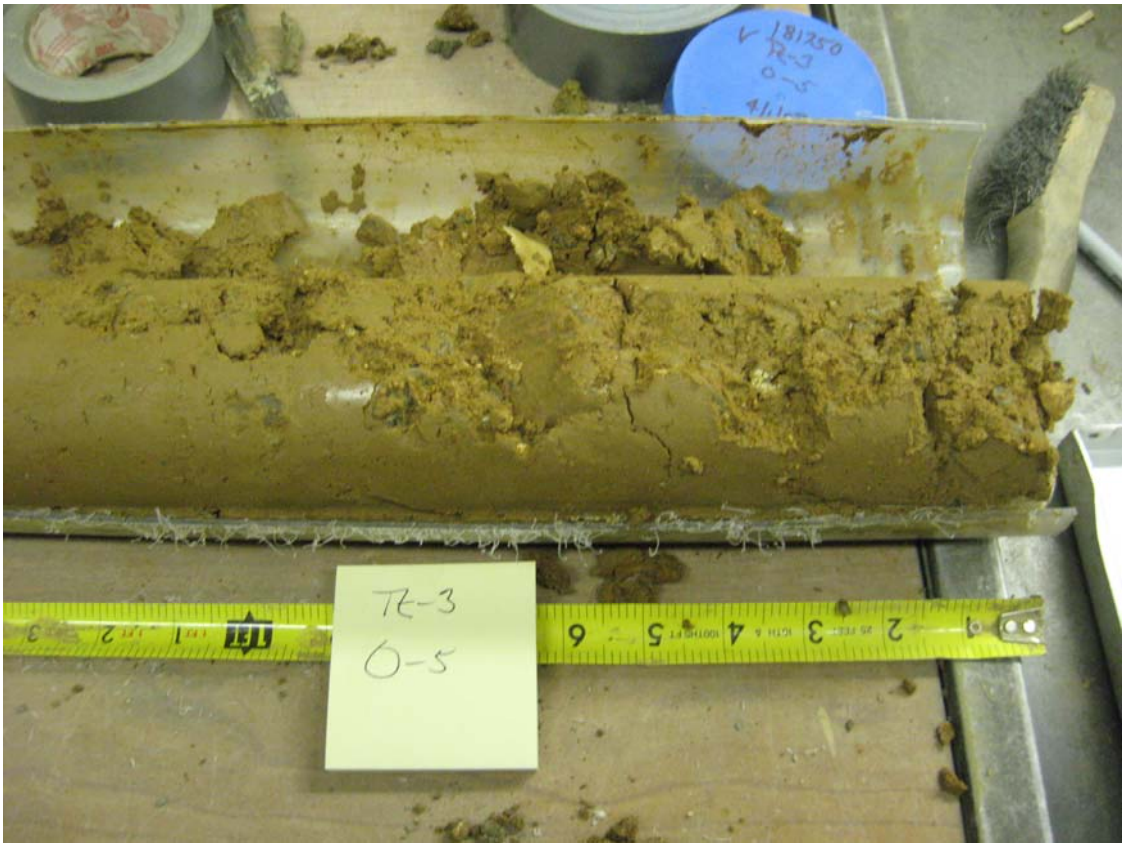
Tt-2, 21-25d

Tt-2, 21-25e

Tt-2, 28-30

Tt-2, 30-32

Tt-2, 32-34



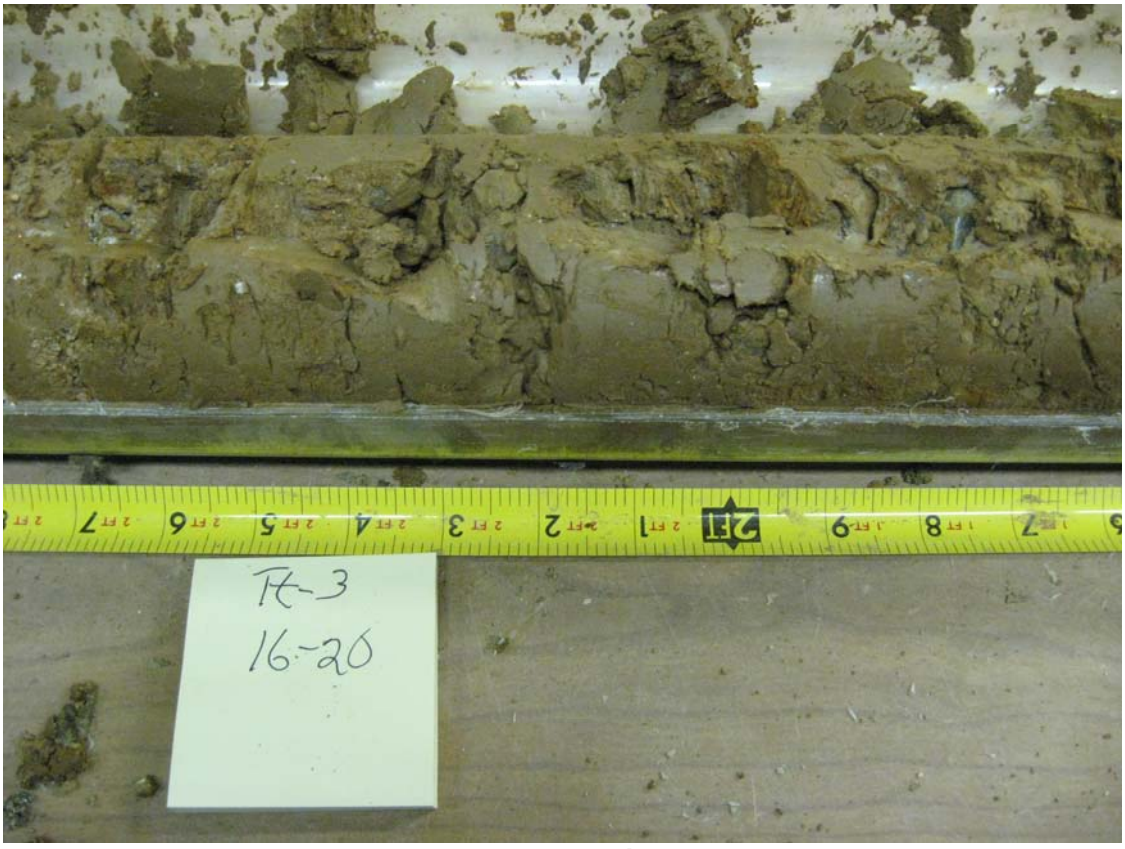
Tt-3, 0-5a

Tt-3, 0-5b

Tt-3, 5-10

Tt-3, 10-15

Tt-3, 16-20a



Tt-3, 16-20b

Tt-3, 16-20c

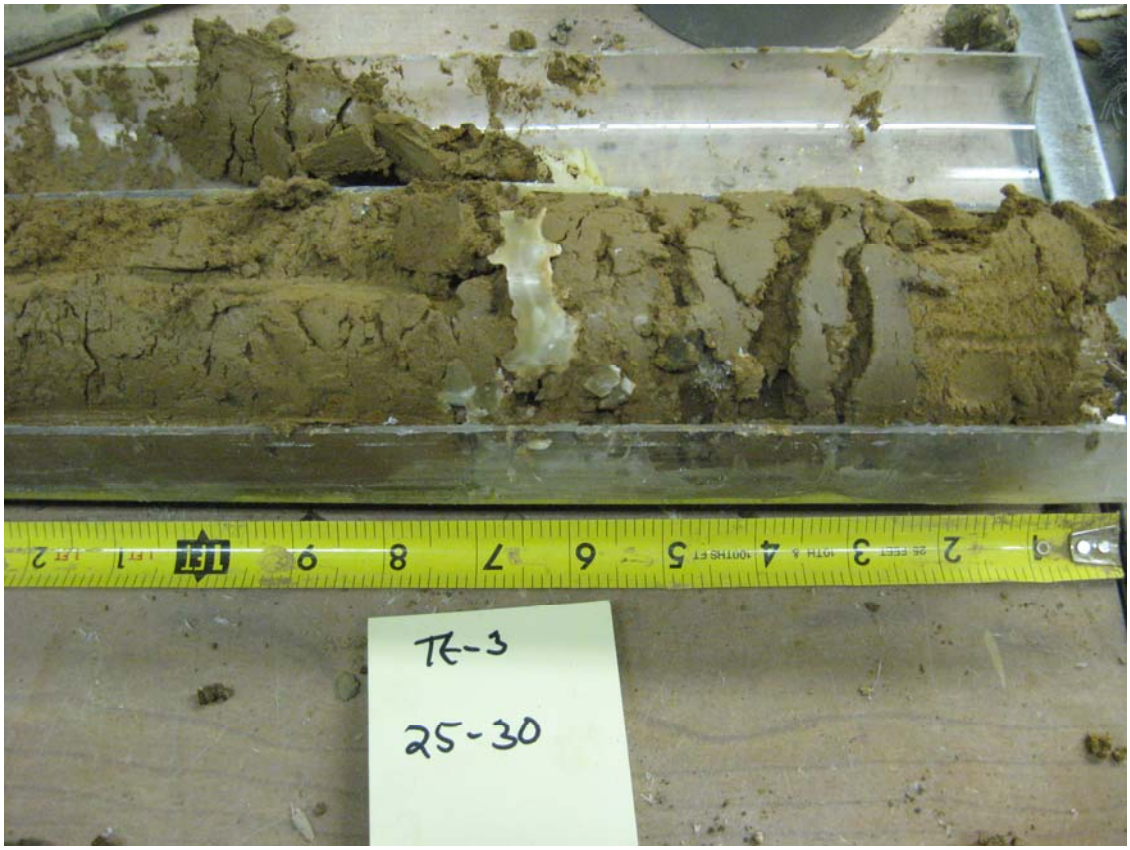
Tt-3, 16-20d

Tt-3, 20-25a

Tt-3, 20-25b

Tt-3, 20-25c

Tt-3, 20-25d



Tt-3, 25-30a

Tt-3, 25-30b

Tt-3, 25-30c

Tt-3, 25-30d

Tt-3, 25-30e

Tt-3, 30-35a
Note: Label in photo should say "Tt-3, 30-35"

Tt-3, 30-35b

Tt-3, 30-35c
Note: Label in photo should say "Tt-3, 30-35"

Tt-3, 35-38

Tt-4, 0-3a

Tt-4, 0-3b

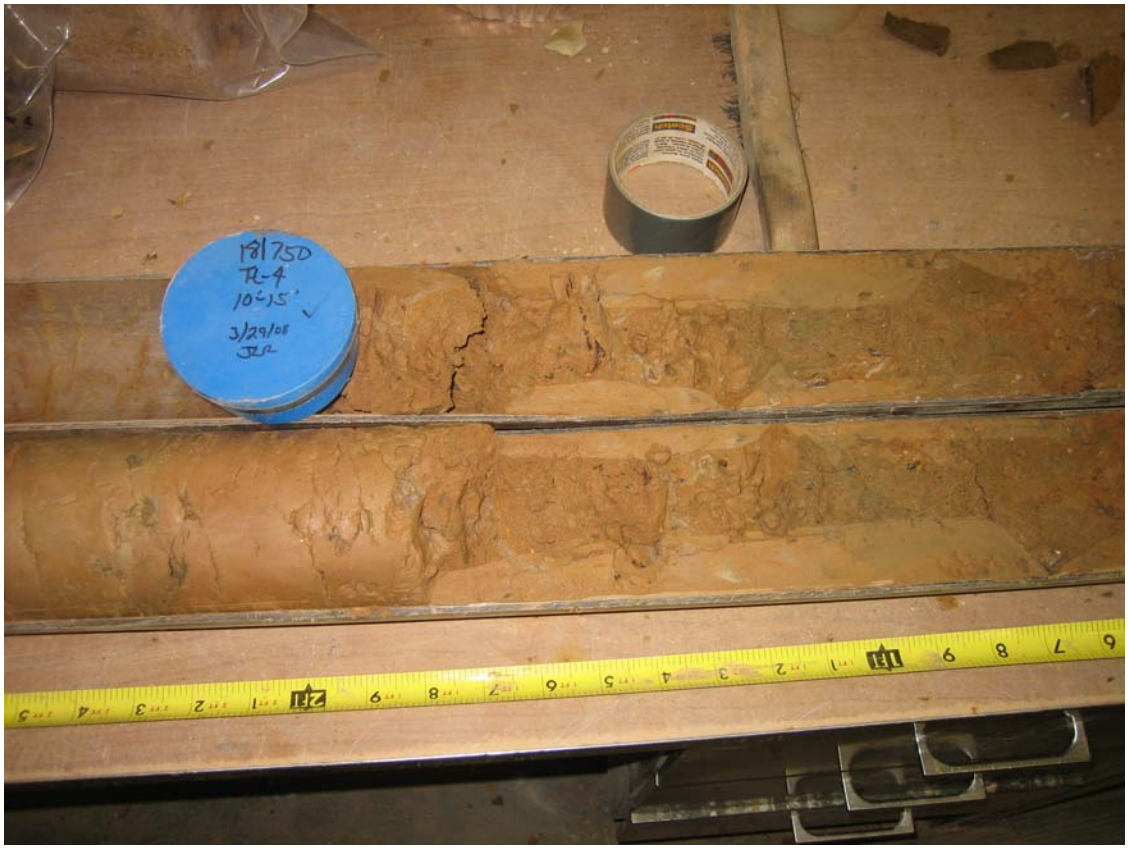
Tt-4, 3-6

Tt-4, 6-10a

Tt-4, 6-10b

Tt-4, 6-10c

Tt-4, 10-15a



Tt-4, 10-15b

Tt-4, 10-15c

Tt-4, 10-15d

Tt-4, 10-15e

Tt-4, 15-21a

Tt-4, 15-21b

Tt-4, 21-25a

Tt-4, 21-25b

Tt-4, 21-25c

Tt-4, 21-25d

Tt-4, 21-25e

Tt-4, 25-29

Tt-5, 0-4a

Tt-5, 0-4b

Tt-5, 4-10a

Tt-5, 4-10b

Tt-5, 4-10c

Tt-5, 10-15a

Tt-5, 10-15b

Tt-5, 10-15c

Tt-5, 10-15d

Tt-5, 10-15e

Tt-5, 16-21

Tt-5, 21-26.5a

Tt-5, 21-26.5b

Tt-5, 21-26.5c

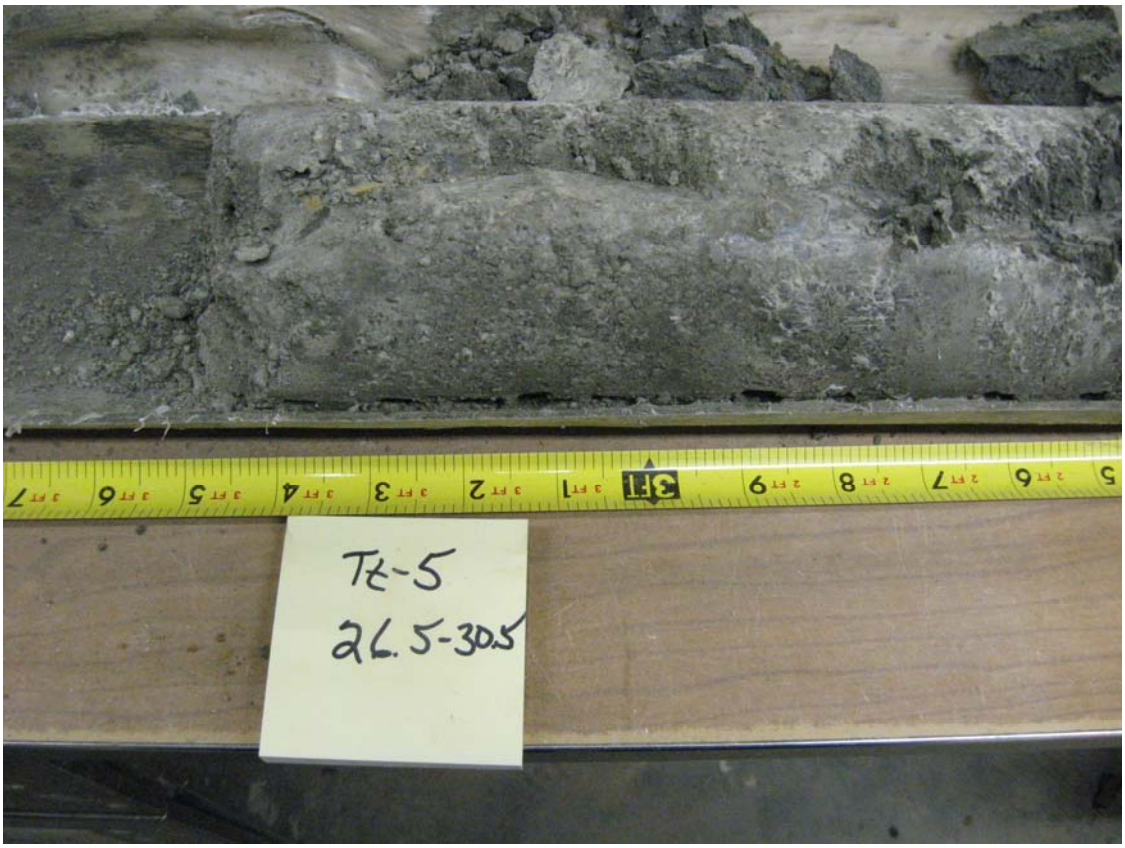
Tt-5, 21-26.5d

Tt-5, 21-26.5e

Tt-5, 26.5-30.5a

Tt-5, 26.5-30.5b

TT-5, 26.5-30.5c



Tt-5, 26.5-30.5d

Tt-5, 30-34a

Tt-5, 30-34b

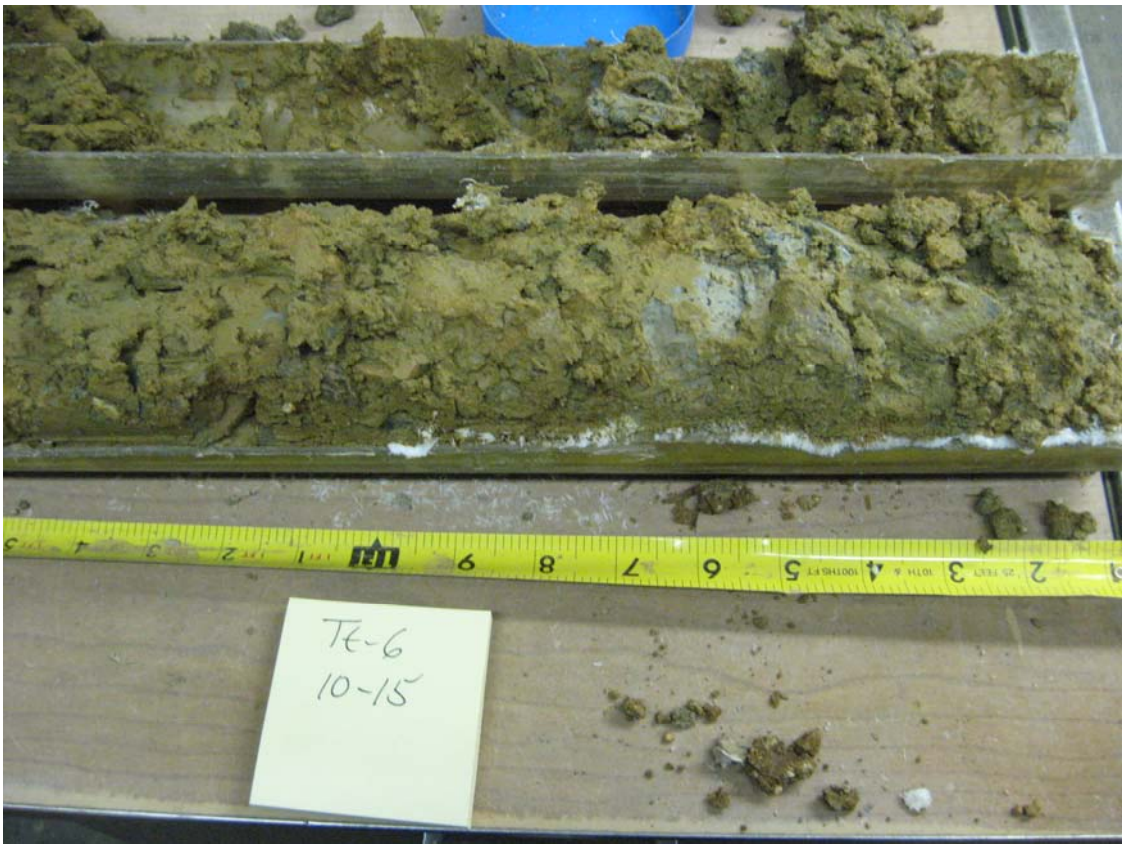
Tt-5, 30-34c

Tt-5, 30-34d

Tt-6, 0-5a

Tt-6, 0-5b

Tt-6, 5-10

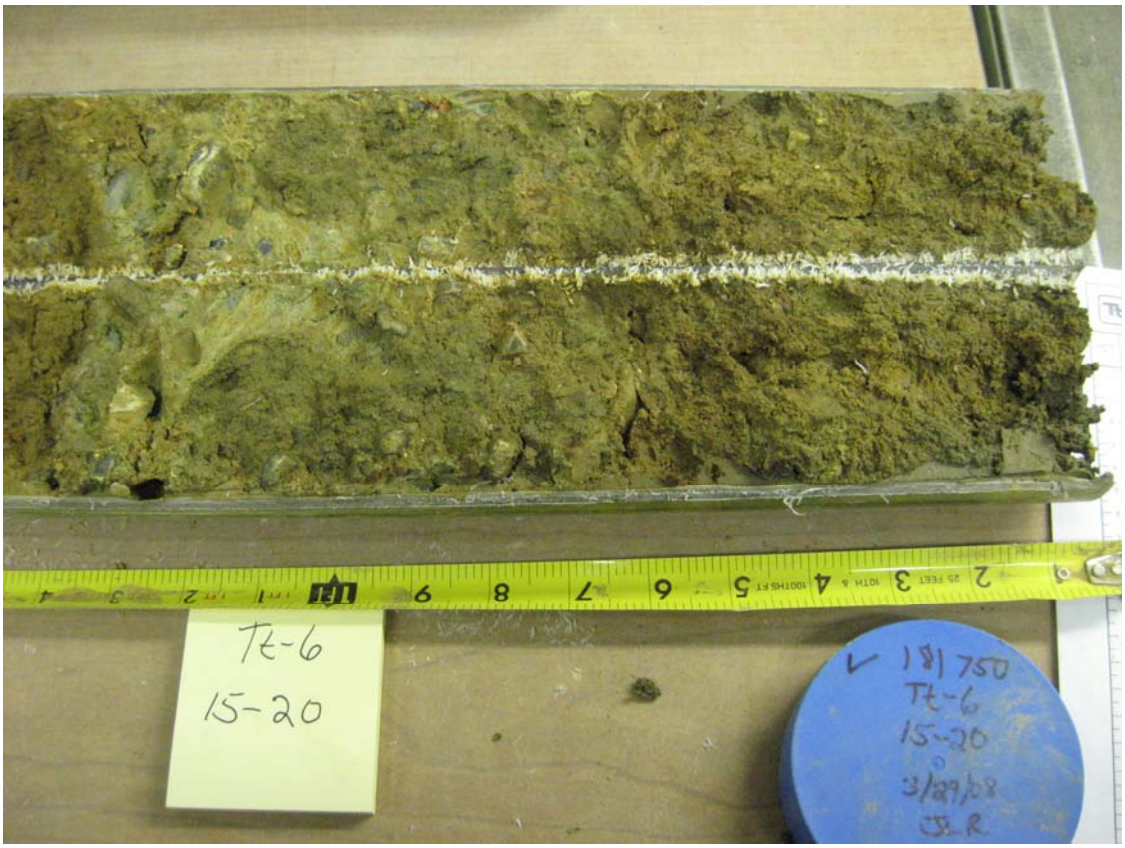


Tt-6, 10-15a

Tt-6, 10-15b

Tt-6, 10-15c

Tt-6, 10-15d



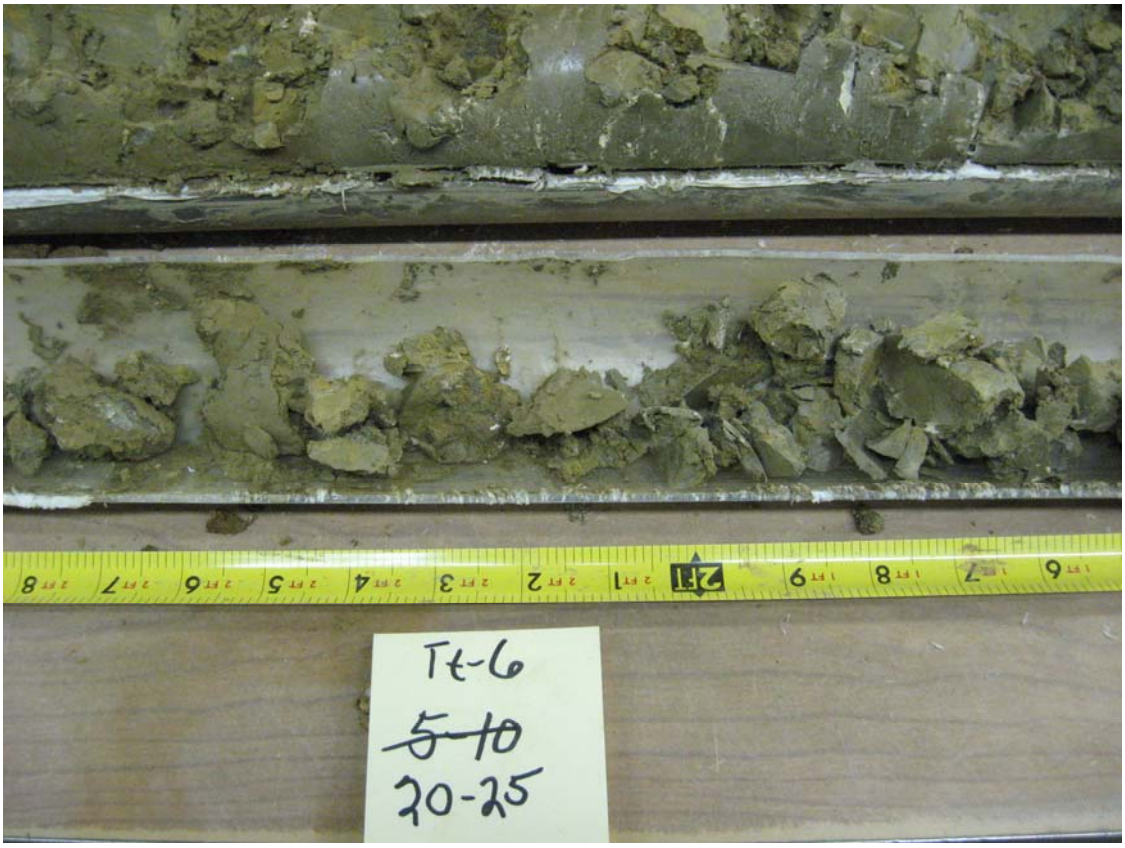
Tt-6, 15-20a

Tt-6, 15-20b

Tt-6, 15-20c

Tt-6, 15-20d

Tt-6, 20-25a



Tt-6, 20-25b

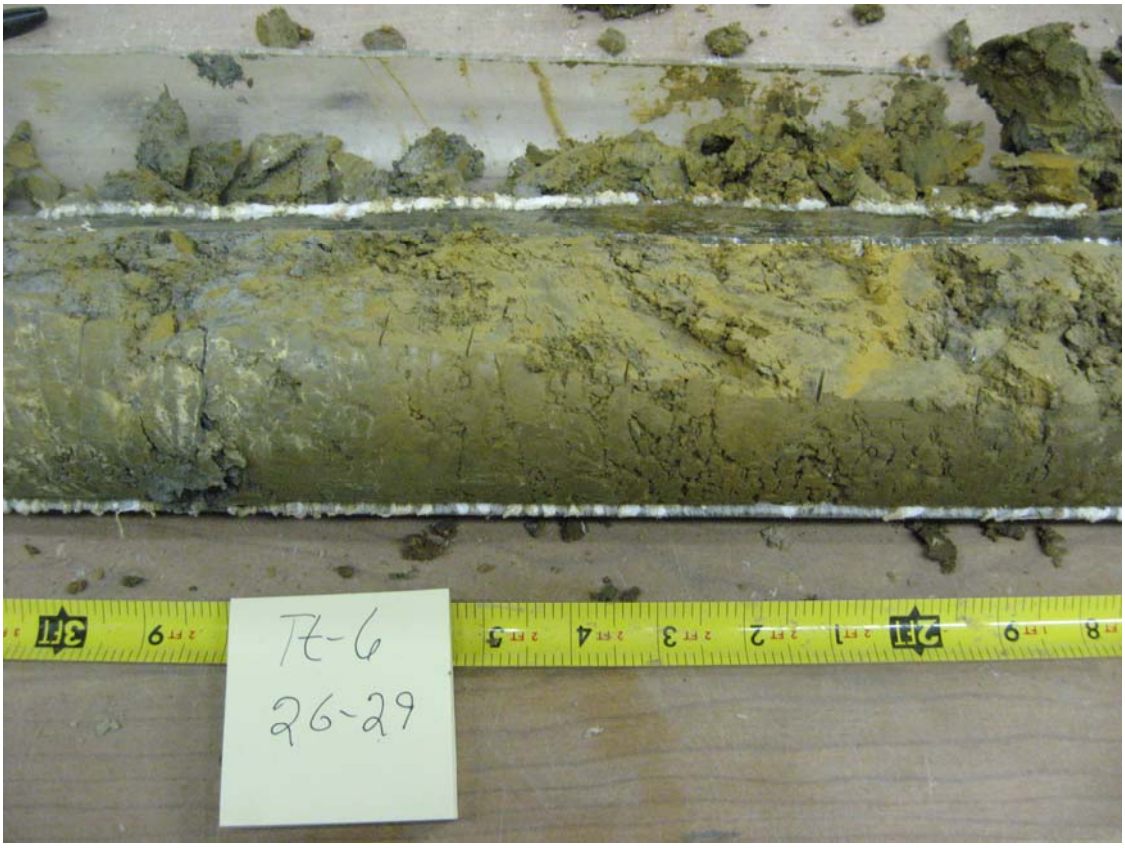
Tt-6, 20-25c

Tt-6, 20-25d

Tt-6, 20-25e

Tt-6, 26-29a

Tt-6, 26-29b



Tt-6, 26-29c

Tt-6, 26-29d

Tt-7, 0-5a

Tt-7, 0-5b

Tt-7, 0-5c

Tt-7, 5-10a

Tt-7, 5-10b

Tt-7, 5-10c

TT-7, 5-10d

Tt-7, Organics, 9 ft.

Tt-7, 5-10e

Tt-7, 10-15a

Tt-7, 10-15b

Tt-7, 10-15c

Tt-7, 10-15d

Tt-7, 10-15e

Tt-7, 15-20a

Tt-7, 15-20b

Tt-7, 15-20c

Tt-7, 15-20d

Tt-7, 15-20e

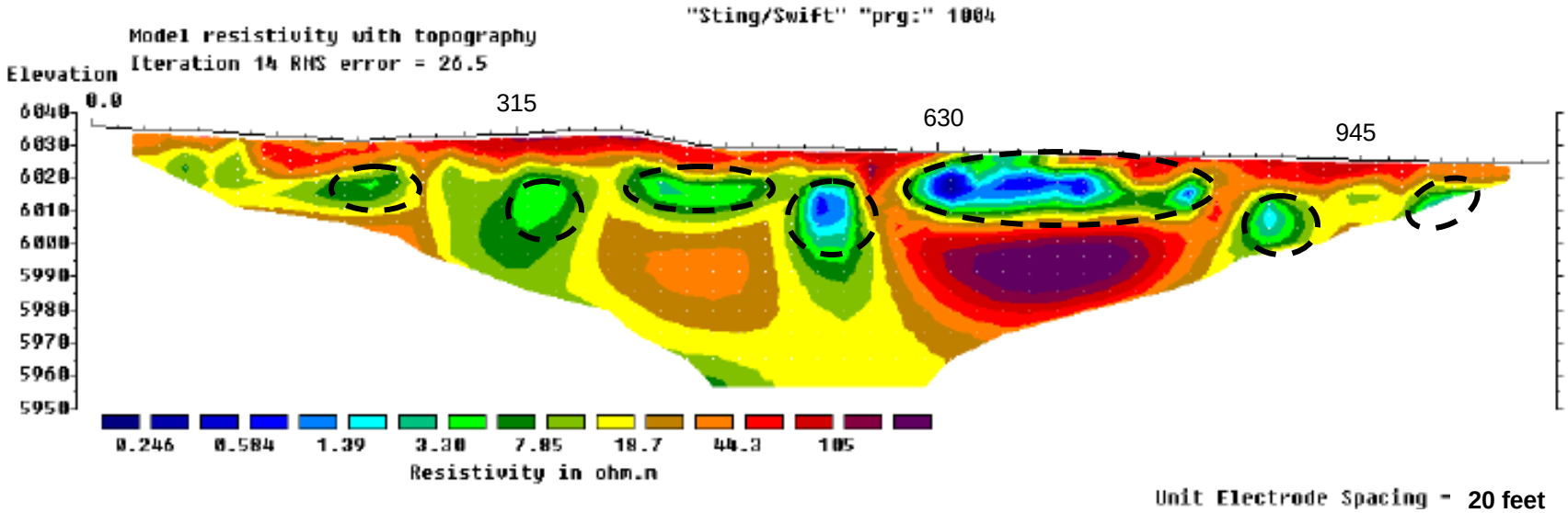
Tt-7, 20-24a

Tt-7, 20-24b

Tt-7, 20-24c

Tt-7, 20-24d

West to East

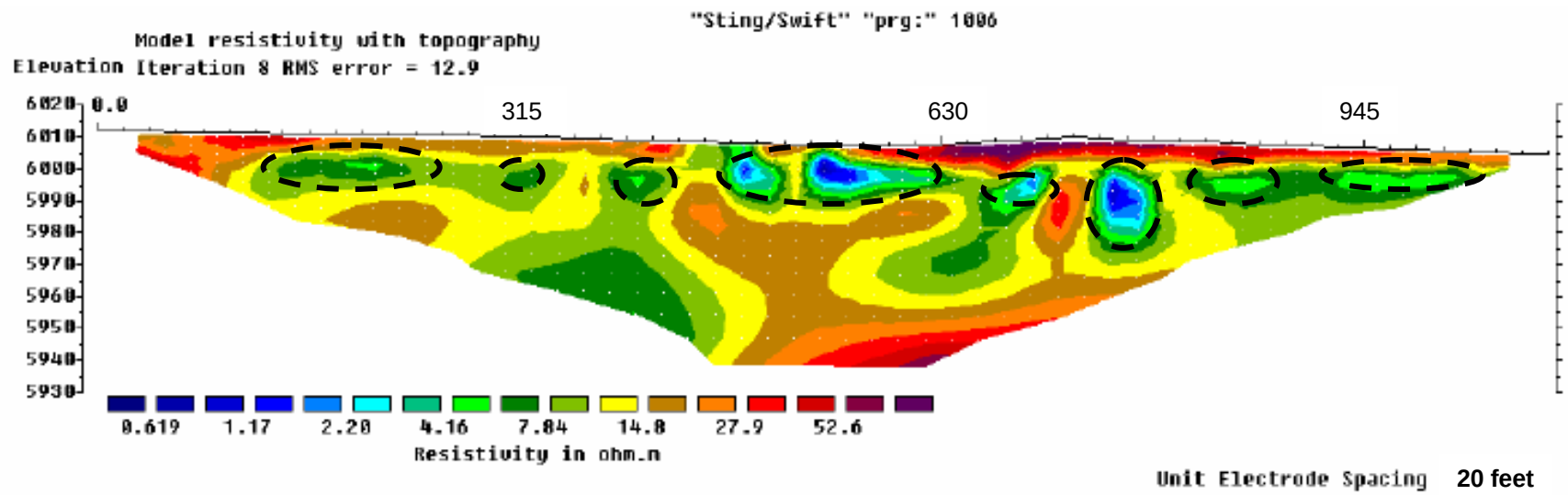


Zone of anomalously low resistivity zones
Potentially representative of buried waste and/or fill

Units = Feet

Figure B-1
Rocky Flats Resistivity Profile 1

West to East

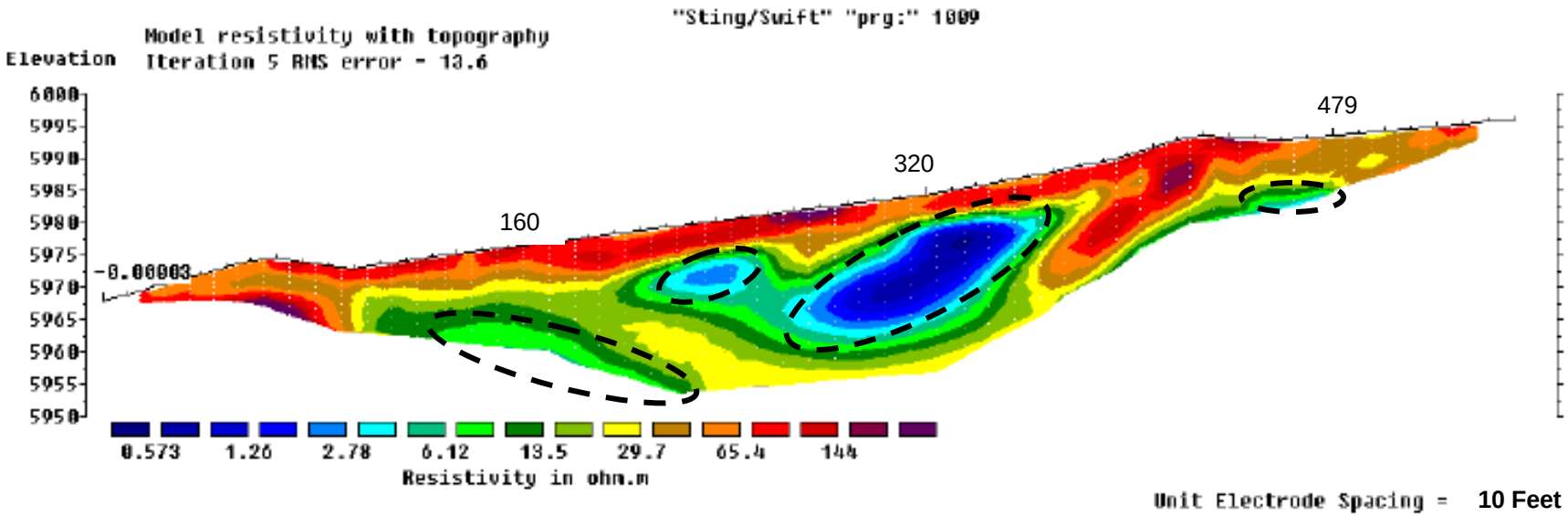


Zone of anomalously low resistivity zones
Potentially representative of buried waste and/or fill

Units = Feet

Figure B-2
Rocky Flats Resistivity Profile 2

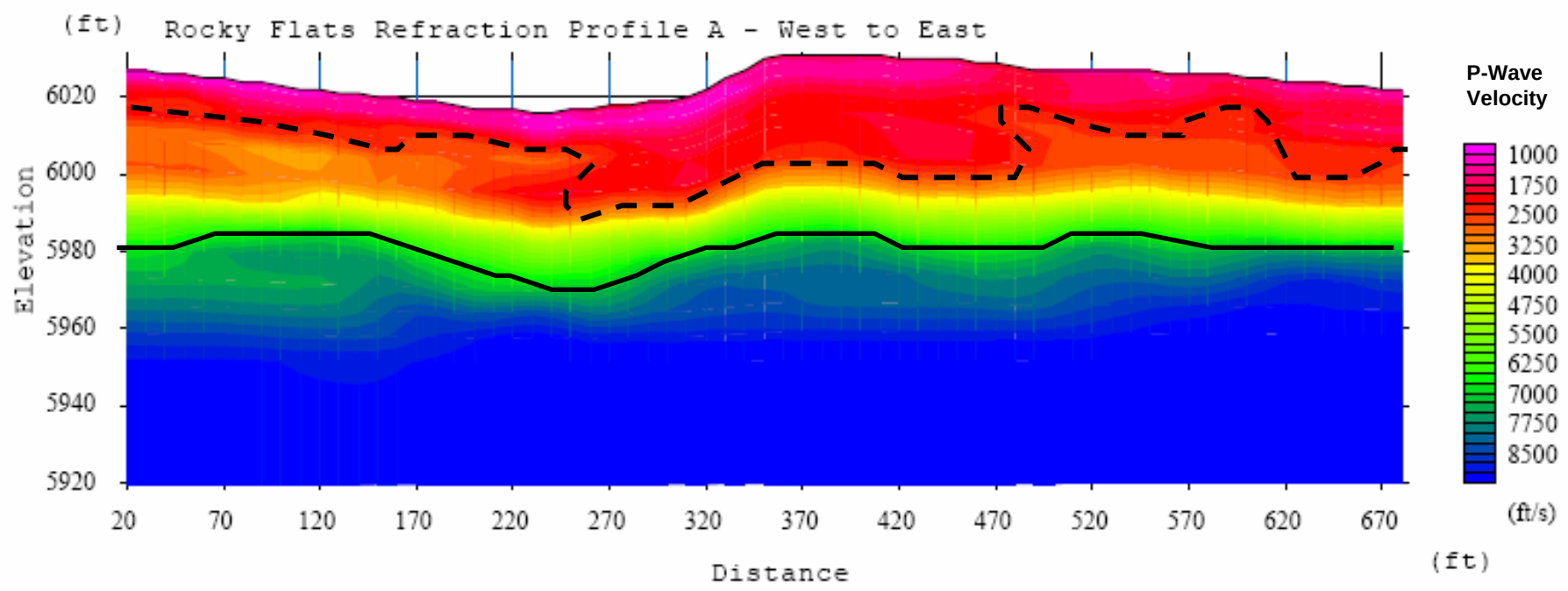
South to North



Zone of anomalously low resistivity zones
Potentially representative of buried waste and/or fill

Units = Feet

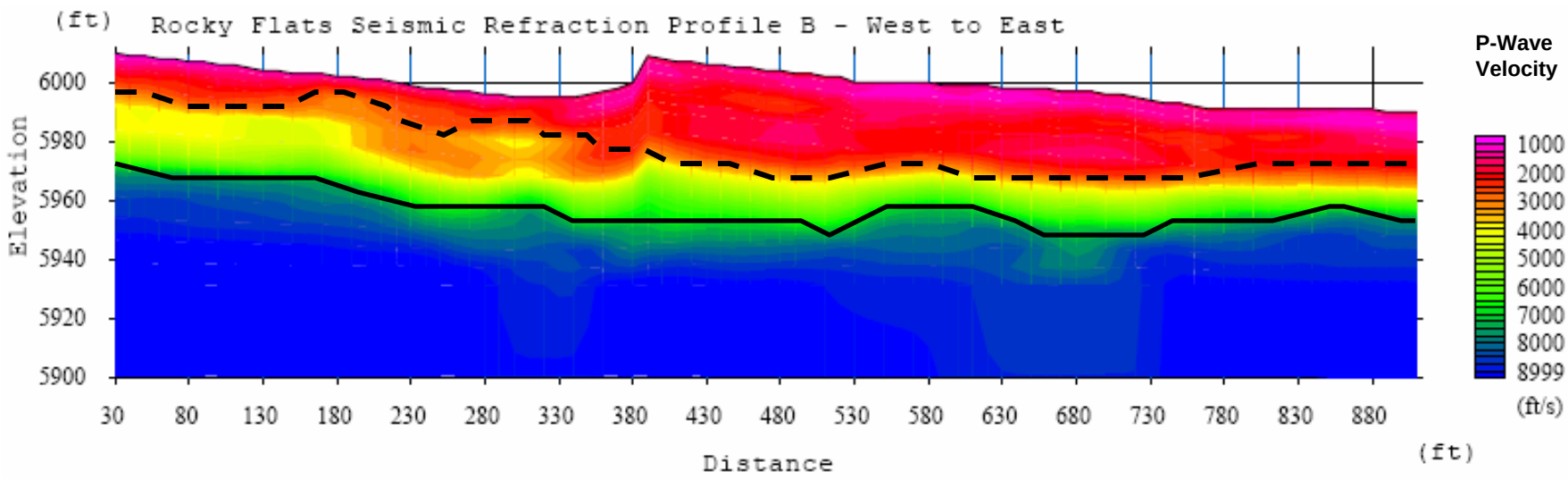
Figure B-3
Rocky Flats Resistivity Profile 3



Lower boundary of velocity material potentially representative of fill and/or waste

Approximate competent bedrock surface

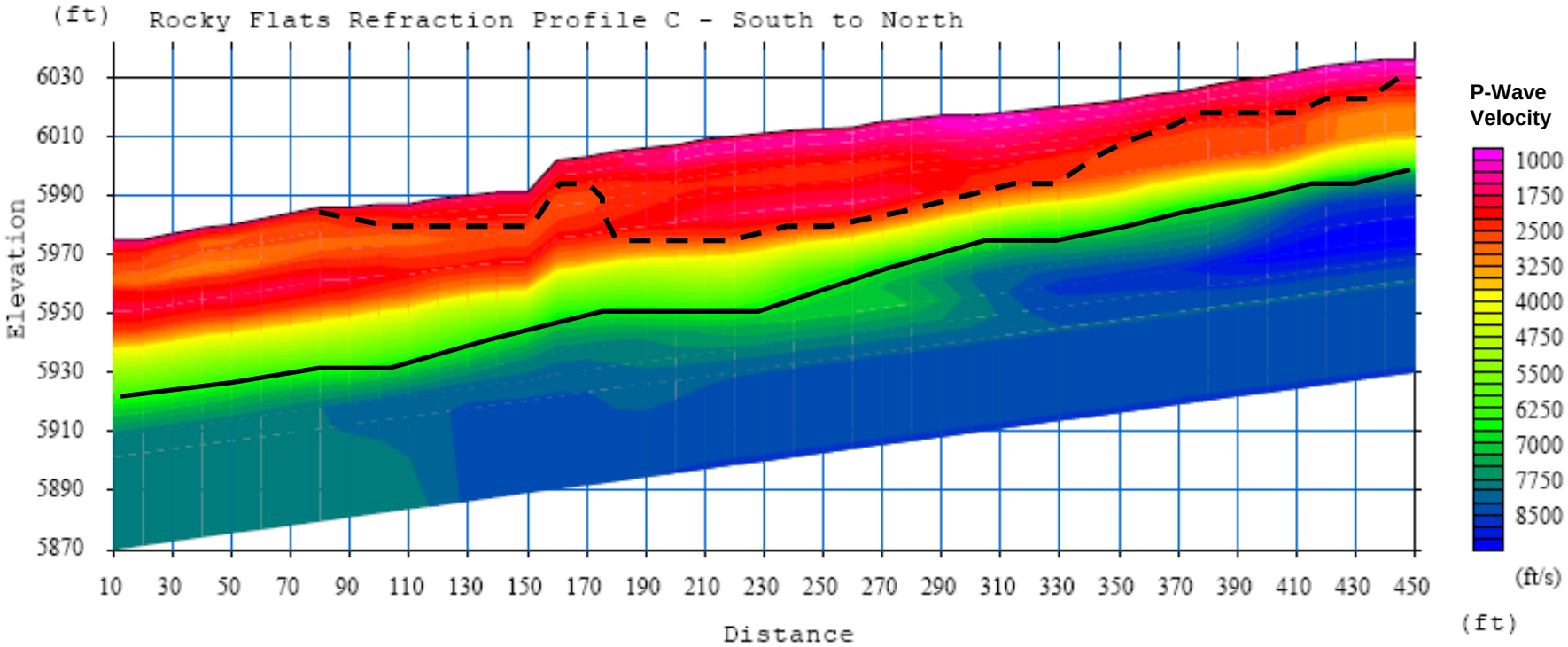
Figure B-4
Rocky Flats Refraction Profile A



Lower boundary of velocity material potentially representative of fill and/or waste

Approximate competent bedrock surface

Figure B-5
Rocky Flats Refraction Profile B



Lower boundary of velocity material potentially representative of fill and/or waste

Approximate competent bedrock surface

Project No: 181750

June 2008

Figure B-6
Rocky Flats Refraction Profile C

BOREHOLE LOG

BOREHOLE NO.: Tt-1

PAGE: 1 OF 3

DATE: 3/27/08

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

BOREHOLE LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 3/27/08 - 8:00AM

BOREHOLE LOGGED BY: JOE REED

VISITORS: NONE

WEATHER: CLOUDY, SNOW SHOWERS

DRILLING INFORMATION

DRILLING COMPANY: BOART LONGYEAR

START TIME: 8:00AM

BORING DEPTH: 29.5' BORING DIA.: 8"

DRILLING METHOD: SONIC CONTINUOUS CORE

SAMPLING METHOD: CONTINUOUS CORE IN POLY CARBONATE TUBING, CA SPLIT SPOON

TIME DRILLING COMPLETE:

BOREHOLE COMPLETION / ABANDONMENT INFORMATION

START TIME: 3/28/08 - 8:00AM COMPLETE TIME: 10:45AM

INSTRUMENTATION: INCLINOMETER / VW PIEZOMETER BACKFILL: GROUT

ELEVATION - TOP OF BORING: 6039.5' RELATIVE TO: MSL

GROUNDWATER CONDITIONS

WET AT ABOUT 12'

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 10:45AM TIME LEFT SITE: 10:45AM

NOTES: WELL NO. 82108

BOREHOLE LOG

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION **PAGE:** 2 OF 3

PROJECT NO.: 181750 **DATE:** 3/27/08

BOREHOLE NO.: Tt-1

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
0	5'						**SILTY SANDY CLAYEY GRAVEL WITH COBBLES (0 TO 9')** SLIGHTLY MOIST, BROWN (5YR 4/3), LOOSE TO MEDIUM DENSE, FINE TO COARSE SAND AND GRAVEL, COBBLES.
1							
2							
3							
4							5' - ROCK IN SHOE, ZERO RECOVERY.
5	5'			0			
6							7.5' - COLOR CHANGE TO RED YELLOW (5YR 6/6).
7							
8							
9	0			0			**SANDY GRAVEL (9' TO 14')** DRY, BROWNISH YELLOW (5YR 6/6), FINE COARSE SAND AND GRAVEL, TRACE SILTY CLAY, SUBROUNDED GRAVEL.
10							
11							12' - WET.
12							
13	3.5'			0			
14							**CLAYSTONE (14' TO 19')** MOIST, MOTTLED ORANGE-GRAY, VERY STIFF, SANDY, WEATHERED.
15							
16							
17		CA B A		0.75			18' TO 19' - ORGANICS TO BUFF-GRAY/BLACK.
18							
19							**SILTY CLAYEY SAND (19' TO E.O.B.)** VERY PALE BROWN (10YR 7/4), MEDIUM DENSE/MEDIUM STIFF, VERY FINE TO MEDIUM SAND, COHESIVE.
20							

BOREHOLE LOG

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION **PAGE:** 3 OF 3

PROJECT NO.: 181750 **DATE:** 3/27/08

BOREHOLE NO.: Tt-1

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
20	4'						**SILTY CLAYEY SAND (19' TO E.O.B.)** SEE DESCRIPTION ON PREVIOUS PAGE.
21	4'	CA B A		0.6			22' - VERY SANDY.
22							
23							
24	5'			0			24' - WET, YELLOWISH BROWN (10YR 5/8), LOOSE-MEDIUM DENSE, FINE T0 MEDIUM SAND, MOSTLY FINE SAND.
25							
26							26.5' TO 28' - SANDY CLAY LAYER, BUFF-LIGHT BROWN WITH ORGANIC MOTTLING.
27							
28	4'	CA B A		0.6			28' - 3" ORGANIC LAYER IN CLAY MATRIX.
29							E.O.B. = 29.5'
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

BOREHOLE LOG

BOREHOLE NO.: Tt-2

PAGE: 1 OF 3

DATE: 4/1/08

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

BOREHOLE LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 4/1/08 - 4:30PM

BOREHOLE LOGGED BY: JOE REED

VISITORS: NONE

WEATHER:

DRILLING INFORMATION

DRILLING COMPANY: BOART LONGYEAR

START TIME: 5:00PM

BORING DEPTH: 35.5' BORING DIA.: 8"

DRILLING METHOD: SONIC CONTINUOUS CORE

SAMPLING METHOD: CONTINUOUS CORE IN POLY CARBONATE TUBING, CA SPLIT SPOON

TIME DRILLING COMPLETE: 4/2/08 - 9:00AM

BOREHOLE COMPLETION / ABANDONMENT INFORMATION

START TIME: 4/2/08 - 9:15AM COMPLETE TIME: 11:30AM

INSTRUMENTATION: INCLINOMETER / VW PIEZOMETER BACKFILL: GROUT

ELEVATION - TOP OF BORING: 6027.8' RELATIVE TO: MSL

GROUNDWATER CONDITIONS

WET AT ABOUT 19'

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 11:30AM TIME LEFT SITE: 11:30AM

NOTES:

WELL NO. 82208

BOREHOLE LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 3*

PROJECT NO.: *181750* **DATE:** *4/1/08*

BOREHOLE NO.: **Tt-2**

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
0							**SANDY CLAYEY GRAVEL (0 TO 1.5')** DRY TO SLIGHTLY MOIST, DARK YELLOWISH BROWN (10YR 4/4), HARD, FINE TO COARSE SAND AND GRAVEL.
1							
2	3.2'						**SANDY CLAYEY GRAVEL (1.5 TO 16.5')** MOIST TO SLIGHTLY MOIST, DARK YELLOWISH BROWN (10YR 4/6), STIFF, FINE TO COARSE SAND AND GRAVEL.
3							
4							
5							
6		CA B A		0.7			
7	1.0'						
8							
9							
10							
11		CA A		0.4			
12	1.3'						10' TO 16.5' - ORGANICS, ROOTS, ORGANIC ODOR.
13							
14							
15							
16		CA B A		1.0			
17							**SILTY SAND (16.5' TO 20')** SLIGHTLY MOIST TO MOIST, BROWNISH YELLOW (10YR 6/6), LOOSE, FINE-MEDIUM SAND (MOSTLY FINE), SLIGHTLY COHESIVE, CLAY INCLUSION (LIGHT GRAY), OCCASIONAL CEMENTED ZONES (WITH ROUNDED GRAVEL).
18							
19							19' - WET.
20							

BOREHOLE LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *3 OF 3*

PROJECT NO.: *181750* **DATE:** *4/1/08*

BOREHOLE NO.: **Tt-2**

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
20							
21				0			
22	5.0'						22' - GRADES TO CLAY.
							CLAY (22' TO 24.5') WET, MOTTLED GRAY-BROWN, SOFT, TRACE ROUNDED GRAVEL, GRADES TO GRAY CLAY.
23							
24							
25							**CLAYSTONE (24.5' TO 28')** WET, GRAY (10YR 6/1), SOFT, OCCASIONAL SAND STRINGERS.
26	2'						
27							
28	6'	CA B A		0.8			**CLAYSTONE (28' TO E.O.B.)** DRY, GRAY (10YR 6/1), HARD.
29							
30							
31							
32							
33							
34		CA B A		0.5			
35							E.O.B. = 35.5'
36							
37							
38							
39							
40							

BOREHOLE LOG

BOREHOLE NO.: Tt-3

PAGE: 1 OF 3

DATE: 4/1/08

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

BOREHOLE LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 4/1/08 - 8:30AM

BOREHOLE LOGGED BY: JOE REED

VISITORS: NONE

WEATHER:

DRILLING INFORMATION

DRILLING COMPANY: BOART LONGYEAR

START TIME: 9:00AM

BORING DEPTH: 39' BORING DIA.: 8"

DRILLING METHOD: SONIC CONTINUOUS CORE

SAMPLING METHOD: CONTINUOUS CORE IN POLY CARBONATE TUBING, CA SPLIT SPOON

TIME DRILLING COMPLETE: 2:30PM

BOREHOLE COMPLETION / ABANDONMENT INFORMATION

START TIME: 2:30PM COMPLETE TIME: 4:30PM

INSTRUMENTATION: INCLINOMETER / VW PIEZOMETER BACKFILL: GROUT

ELEVATION - TOP OF BORING: 6016.4' RELATIVE TO: MSL

GROUNDWATER CONDITIONS

NOT ENCOUNTERED DURING DRILLING

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 4:10PM TIME LEFT SITE: 4:30PM

NOTES: WELL NO. 82308

BOREHOLE LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 3*

PROJECT NO.: *181750* **DATE:** *4/1/08*

BOREHOLE NO.: **Tt-3**

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
0							**SANDY GRAVELLY CLAY (0 TO 32')** SLIGHTLY MOIST, YELLOWISH BROWN (10YR 5/6), HARD, FINE TO COARSE SAND AND GRAVEL.
1							
2	2.5'						
3							
4							
5							
6		CA A		0.4			
7	0.75'						
8							
9							
10							10' - SANDY CLAY, SLIGHTLY MOIST, DARK GRAYISH BROWN (10YR 4/2), VERY STIFF, FINE TO COARSE SAND, TRACE FINE TO COARSE GRAVEL. TRACE ROOTS, TRACE ORGANICS.
11		CA B A		0.66			
12	1.0'						
13							
14							
15							15' - ROCK IN SHOE, SANDY GRAVELLY CLAY, MOIST TO SLIGHTLY MOIST, COBBLE AT TOP.
16		CA A		0.33			
17	4.7'						
18							
19							
20							

BOREHOLE LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *3 OF 3*

PROJECT NO.: *181750* **DATE:** *4/1/08*

BOREHOLE NO.: **Tt-3**

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
20							**SANDY GRAVELLY CLAY (0 TO 32')** SEE DESCRIPTION ON PREVIOUS PAGE.
21	4.5'	CA B A		1.2			20' - SANDY GRAVELLY CLAY, MOIST, YELLOWISH RED (5YR 4/6) MEDIUM STIFF TO SOFT, FINE TO COARSE SAND AND GRAVEL.
22							
23							
24							
25	4.6'	CA B A		0.7			25' - SANDY GRAVELLY CLAY, MOIST, DARK GRAY (10YR 4/1) STIFF, FINE TO COARSE SAND AND GRAVEL, SUBROUNDED TO ANGULAR.
26							
27							
28							28' - HARD.
29							
30	4.0'	CA B A		0.55			30' - TO CLAYEY SANDY GRAVEL, SLIGHTLY MOIST, GRAY BROWN (10YR 5/2), STIFF TO HARD, FINE-TO COARSE SAND, TRACE GRAVEL, TRACE COBBLES, CLAY MATRIX.
31							
32							**CLAYSTONE (32' TO E.O.B.)** DRY, GRAY (10YR 5/1)., HARD, GREASY/WAXY TEXTURE.
33							
34							
35	2.5'	CA B A		0.8			
36							
37							
38		CA A		0.4			
39							E.O.B. = 39'
40							

BOREHOLE LOG

BOREHOLE NO.: Tt-4

PAGE: 1 OF 3

DATE: 3/29/08

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

BOREHOLE LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 3/29/08 - 3:00PM

BOREHOLE LOGGED BY: JOE REED

VISITORS: NONE

WEATHER:

DRILLING INFORMATION

DRILLING COMPANY: BOART LONGYEAR

START TIME: 4:00PM

BORING DEPTH: 30.5' BORING DIA.: 8"

DRILLING METHOD: SONIC CONTINUOUS CORE

SAMPLING METHOD: CONTINUOUS CORE IN POLY CARBONATE TUBING, CA SPLIT SPOON

TIME DRILLING COMPLETE: 6:20PM

BOREHOLE COMPLETION / ABANDONMENT INFORMATION

START TIME: 3/31/08 - 7:00AM COMPLETE TIME: 10:00AM

INSTRUMENTATION: INCLINOMETER / VW PIEZOMETER BACKFILL: GROUT

ELEVATION - TOP OF BORING: 5996.6' RELATIVE TO: MSL

GROUNDWATER CONDITIONS

GROUNDWATER NOT ENCOUNTERED DURING DRILLING

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 10:00AM TIME LEFT SITE: 10:00AM

NOTES: WELL NO. 82408

BOREHOLE LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 3*

PROJECT NO.: *181750* **DATE:** *3/29/08*

BOREHOLE NO.: **Tt-4**

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
0							
1	1.5'						**CLAYEY GRAVEL (0 TO 5')** SLIGHTLY MOIST TO MOIST, YELLOWISH RED (5YR 5/6), MEDIUM DENSE.
2							
3							
4	1.4'						
5		CA B A		0.7			**SANDY CLAY (5' TO 6.5')** SLIGHTLY MOIST, YELLOWISH RED (5YR 5/6), STIFF, FINE SAND, TRACE GRAY SANDY CLAY LENS, SOME GRAVEL.
6							
7	3.1'						**SANDY CLAYEY GRAVEL (6.5' TO 11.5')** MOIST, REDDISH BROWN.
8							
9							
10		CA B A		1.0			
11							
12	4.8'						**SANDY CLAYSTONE WITH GRAVEL (11.5' TO E.O.B.)** MOIST TO WET, GRADES TO CLAYSTONE, SLIGHTLY MOIST TO MOIST, LIGHT BROWN GRAY (10YR 6/2), HARD, ORGANIC ODOR, WET AT TOP OF CLAYSTONE.
13							
14							
15		CA B A		1.1			
16							
17	2.9'						
18							
19							
20							

BOREHOLE LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *3 OF 3*

PROJECT NO.: *181750* **DATE:** *3/29/08*

BOREHOLE NO.: **Tt-4**

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
20							**SANDY CLAYSTONE WITH GRAVEL (11.5' TO E.O.B.)** SEE DESCRIPTION ON PREVIOUS PAGE.
21							
22		CA B A		0.7			
23	5.0'						
24							
25							
26		CA B A		1.0			
27	2.0'						
28							
29							
30		CA A		0.33			
							E.O.B. = 30.5'
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

BOREHOLE LOG

BOREHOLE NO.: Tt-5

PAGE: 1 OF 3

DATE: 3/28/08

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

BOREHOLE LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 3/28/08 - 11:15AM

BOREHOLE LOGGED BY: JOE REED

VISITORS: NONE

WEATHER: PARTLY CLOUDY

DRILLING INFORMATION

DRILLING COMPANY: BOART LONGYEAR

START TIME: 11:25AM

BORING DEPTH: 35.5' BORING DIA.: 8"

DRILLING METHOD: SONIC CONTINUOUS CORE

SAMPLING METHOD: CONTINUOUS CORE IN POLY CARBONATE TUBING, CA SPLIT SPOON

TIME DRILLING COMPLETE: 4:00PM

BOREHOLE COMPLETION / ABANDONMENT INFORMATION

START TIME: 4:00PM COMPLETE TIME: 6:00PM

INSTRUMENTATION: INCLINOMETER / VW PIEZOMETER BACKFILL: GROUT

ELEVATION - TOP OF BORING: 5996.6' RELATIVE TO: MSL

GROUNDWATER CONDITIONS

WET AT 5.5' DURING DRILLING

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 6:00PM TIME LEFT SITE: 6:00PM

NOTES: WELL NO. 82508

BOREHOLE LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 3*

PROJECT NO.: *181750* **DATE:** *3/28/08*

BOREHOLE NO.: **Tt-5**

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
0							
1							**CLAYEY GRAVEL (0 TO 4')** DARK BROWN. MEDIUM STIFF TO STIFF, COBBLES, GRADES TO SANDY CLAY.
2	2.5'						
3							
4							
5		CA B A		0.8			**SANDY CLAY (4' TO 6')** MOIST, DARK YELLOWISH BROWN (10YR 4/6), MEDIUM STIFF, FINE TO COARSE SAND, TRACE FINE GRAVEL, ORGANIC, ORGANIC ODOR.
6							**CLAYEY GRAVEL WITH SAND (6' TO 10')** WET, REDDISH DARK BROWN, NO ORGANICS.
7	3.6'						
8							
9							
10							**SANDY CLAY (10' TO 15')** MOIST TO WET, DARK YELLOWISH BROWN (10YR 3/4), SOFT, FINE TO COARSE SAND, TRACE FINE TO COARSE GRAVEL, DEBRIS, FE STAINED, STRONG ORGANIC COLOR AND ODOR.
11		CA B A		1.5			
12	5.0'						
13							
14							
15		CA A		0.3			
16		CA/A		0.15			**CLAYEY SANDY GRAVEL / SANDY GRAVELLY CLAY (15' TO 21')** SLIGHTLY MOIST, YELLOWISH BROWN (10YR 5/6), HARD, FINE TO COARSE SAND, FINE TO MEDIUM GRAVEL (SUBROUNDED).
17	0						
18							
19							
20							20' - NO ORGANICS.

BOREHOLE LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *3 OF 3*

PROJECT NO.: *181750* **DATE:** *3/28/08*

BOREHOLE NO.: **Tt-5**

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
20	0.9'						**CLAYEY SANDY GRAVEL / SANDY GRAVELLY CLAY (15' TO 21')** SEE DESCRIPTION ON PREVIOUS PAGE.
21	5.0'	CA B A		1.25			**SILTY SANDY CLAY (21' TO 27.5')** SLIGHTLY MOIST, BROWNISH YELLOW (10YR 6/6), STIFF TO HARD, VERY FINE SAND.
22							
23							
24							
25							
26							
27	5.0'	CA B A		1.25			
28							**CLAYSTONE (27.5' TO E.O.B.)** DRY TO SLIGHTLY MOIST, DARK GRAY (10YR 4/1), HARD.
29							
30							
31	5.0'						
32							
33							
34		CA B A		0.66			
35							E.O.B. = 35.5'
36							
37							
38							
39							
40							

BOREHOLE LOG

BOREHOLE NO.: Tt-6

PAGE: 1 OF 3

DATE: 3/29/08

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

BOREHOLE LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 3/28/08 - 6:30PM

BOREHOLE LOGGED BY: JOE REED

VISITORS: NONE

WEATHER:

DRILLING INFORMATION

DRILLING COMPANY: BOART LONGYEAR

START TIME: 3/29/08 - 8:45AM

BORING DEPTH: 30.5' BORING DIA.: 8"

DRILLING METHOD: SONIC CONTINUOUS CORE

SAMPLING METHOD: CONTINUOUS CORE IN POLY CARBONATE TUBING, CA SPLIT SPOON

TIME DRILLING COMPLETE: 11:30AM

BOREHOLE COMPLETION / ABANDONMENT INFORMATION

START TIME: 12:00PM COMPLETE TIME: 1:45PM

INSTRUMENTATION: INCLINOMETER / VW PIEZOMETER BACKFILL: GROUT

ELEVATION - TOP OF BORING: 5986.5' RELATIVE TO: MSL

GROUNDWATER CONDITIONS

WET AT 5' DURING DRILLING

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 1:45PM TIME LEFT SITE: 1:45PM

NOTES: WELL NO. 82608

BOREHOLE LOG

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION **PAGE:** 2 OF 3

PROJECT NO.: 181750 **DATE:** 3/29/08

BOREHOLE NO.: Tt-6

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
0	2.7'						**SANDY GRAVELLY CLAY (0 TO 5')** MOIST TO SLIGHTLY MOIST, YELLOWISH BROWN (10YR 5/6) AND SOME GRAY BROWN (10YR 5/2), STIFF, FINE TO COARSE SAND AND GRAVEL. 5' - WET.
5	1.5'			0			**SANDY GRAVELLY CLAY (5' TO 7')** MOIST TO WET, BROWN (10YR 5/6), SOFT TO MEDIUM STIFF, FINE TO COARSE SAND AND GRAVEL, ORGANIC ODOR.
7							**SANDY GRAVELLY CLAY (7' TO 12.5')** MOIST TO SLIGHTLY MOIST, YELLOWISH BROWN (10YR 5/6) AND SOME GRAY BROWN (10YR 5/2), STIFF, FINE TO COARSE SAND AND GRAVEL.
10	3.5'	CA A		0.4			
12.5							**SANDY GRAVELLY CLAY (12.5' TO 15.3')** SLIGHTLY MOIST, GRAYISH BROWN (10YR 5/2), VERY STIFF TO HARD, FINE TO COARSE SAND AND GRAVEL, ANGULAR TO SUBROUNDED.
15	4.5'	CA B A		1.2			**CLAYEY SANDY GRAVEL / SANDY GRAVELLY CLAY (15.3' TO 18')** MOIST, YELLOWISH BROWN (10YR 5/6), HARD, FINE TO COARSE SAND AND GRAVEL.
18							**CLAYSTONE (18' TO 20')** VERY SLIGHTLY MOIST, YELLOWISH BROWN (10YR 5/6), HARD TO VERY STIFF.
20							

BOREHOLE LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *3 OF 3*

PROJECT NO.: *181750* **DATE:** *3/29/08*

BOREHOLE NO.: **Tt-6**

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
20							**SANDY GRAVELLY CLAY (20' TO 23')** MOIST TO SLIGHTLY MOIST, BROWN (10YR 5/3), STIFF TO HARD, FINE TO COARSE SAND AND GRAVEL.
21		CA B A		1.5			
22	4.5'						
23							**CLAYSTONE (23' TO 26.5')** VERY SLIGHTLY MOIST TO MOIST, DARK GRAYISH BROWN, HARD.
24							
25				0			
26							
27	3.5'						**CLAY (26.5' TO 27.75')** SLIGHTLY MOIST, DARK YELLOWISH BROWN (10YR 4/4), TRACE GRAVEL.
28							**CLAYSTONE (27.5' TO E.O.B.)** DRY, GRAY (10YR 6/1), HARD, SANDY LAYERS (FINE SAND, LIGHT BROWN GRAY (10YR 6/2).
29		CA A		0.3			
30							E.O.B. = 30.5'
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

BOREHOLE LOG

BOREHOLE NO.: Tt-7

PAGE: 1 OF 3

DATE: 4/2/08

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

BOREHOLE LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 4/2/08 - 12:30PM

BOREHOLE LOGGED BY: JOE REED

VISITORS: NONE

WEATHER:

DRILLING INFORMATION

DRILLING COMPANY: BOART LONGYEAR

START TIME: 12:40PM

BORING DEPTH: 28.5' BORING DIA.: 8"

DRILLING METHOD: SONIC CONTINUOUS CORE

SAMPLING METHOD: CONTINUOUS CORE IN POLY CARBONATE TUBING, CA SPLIT SPOON

TIME DRILLING COMPLETE: 4/2/08 - 1:20PM AND 4/8/08 - 1:45PM

BOREHOLE COMPLETION / ABANDONMENT INFORMATION

START TIME: 4/8/08 - 1:45PM COMPLETE TIME: 4/8/08 - 2:55PM

INSTRUMENTATION: INCLINOMETER / VW PIEZOMETER BACKFILL: GROUT

ELEVATION - TOP OF BORING: 5995.7' RELATIVE TO: MSL

GROUNDWATER CONDITIONS

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 2:55PM TIME LEFT SITE: 2:55PM

NOTES: DRILL / SAMPLE TO 6.5' ON 4/2/08. CORE BARREL THREADS WORE OUT. RESUME DRILLING 4/8/08.

WELL NO. 82708

BOREHOLE LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 3*

PROJECT NO.: *181750* **DATE:** *4/2&8/08*

BOREHOLE NO.: **Tt-7**

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
0							**CLAYEY GRAVEL WITH SAND (0 TO 3')** MOIST, VERY STIFF, STRONG ORGANIC ODOR, ORGANICS.
1							
2	3.7'						
3							**SANDY CLAY (3' TO 8.5')** MOIST, DARK YELLOWISH BROWN (10YR 4/4), MEDIUM STIFF, FINE SAND, GRAVEL.
4							
5							
6		CA B A		0.7			
7	5'						7.5' TO 8.5 - WET.
8							
9							**CLAY (8.5' TO 10')** WET, FINE, ORGANIC.
10							**SILTY CLAYSTONE (10' TO 22')** SLIGHTLY MOIST TO MOIST, BROWNISH YELLOW (10YR 6/6) AND LIGHT YELLOWISH BROWN (10YR 6/4), STIFF TO HARD, FINE SAND, TRACE SANDY LENS, TRACE MOTTLED ORANGE-GRAY.
11		CA B A		0.75			
12	5'						
13							
14							
15							
16		CA B A		1.35			
17	5'						
18							18' - GRADES TO GRAY BROWN. 18' TO 20' - TRACE ORGANICS.
19							
20							

BOREHOLE LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *3 OF 3*

PROJECT NO.: *181750* **DATE:** *4/2/08*

BOREHOLE NO.: **Tt-7**

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
20							**SILTY CLAYSTONE (10' TO 22')** DESCRIPTION ON PREVIOUS PAGE.
		CA B A		0.75			20' - FE STAINED.
21							
22							**CLAYSTONE (22' TO E.O.B.)** DRY, GRAYISH BROWN (10YR 5/2), HARD.
	4.0'						
23							
24							
		CA B A		0.4			
25							
26							
27							27.5' - DARK BROWN.
28		CA / A		0.15			
							E.O.B. = 28.5'
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

TEST PIT LOG

PAGE: 1 OF 2

DATE: 2/19/08

TEST PIT NO.: TtP-1

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

...

TEST PIT LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 2/19/08 - 2:10PM

TEST PIT LOGGED BY: JOE REED

VISITORS: NONE

WEATHER: SUNNY, 50°

EXCAVATION INFORMATION

EXCAVATION COMPANY: TP ENTERPRISES

START TIME: 2:30PM

TEST PIT DEPTH: 12'

TEST PIT DIA.: 20' X 2'-5' X 12'

EXCAVATION METHOD: TRACK HOE

SAMPLING METHOD: BULK

TIME EXCAVATION COMPLETE: 3:30PM

TEST PIT COMPLETION / ABANDONMENT INFORMATION

START TIME: 3:30PM

COMPLETE TIME: 4:00PM

INSTRUMENTATION: NONE

BACKFILL: CUTTINGS

GROUNDWATER CONDITIONS

NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION.

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: ...

TIME LEFT SITE: ...

NOTES:

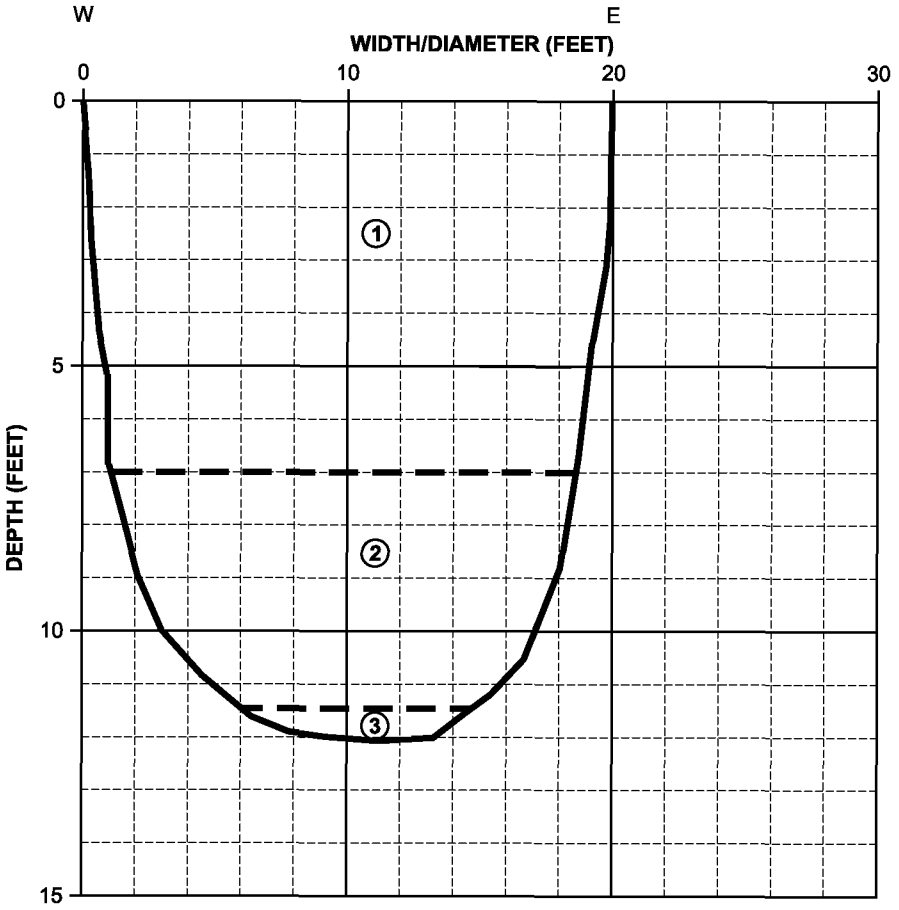
15' EAST OF ORIGINAL STAKE.

TEST PIT LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 2*

PROJECT NO.: *181750* **DATE:** *2/19/08*

TEST PIT NO.: **TtP-1**



DEPTH	SAMPLE I.D.	SAMPLE TYPE
4'	4'	BULK
7' - 8'	7' - 8'	BULK
11.5'	12'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
1	0 - 7'	**SANDY CLAY/CLAYEY SAND** SLIGHTLY MOIST TO MOIST, YELLOWISH BROWN (10YR 5/6), FINE TO COARSE SAND GRAVEL COBBLES BOULDERS, MEDIUM STIFF TO LOOSE.
2	7' - 11.5'	**CLAY** SLIGHTLY MOIST, LIGHT GRAY (10YR 7/2) AND YELLOW (10YR 7/6), VERY STIFF, TRACE ROOTS (NATIVE?).
3	11.5' - 12'	**WEATHERED CLAYSTONE** SLIGHTLY MOIST, LIGHT YELLOWISH BROWN (10YR 6/4), SOME YELLOW (10YR 7/6), MEDIUM STIFF TO LOOSE.

NOTES: *NORTH SIDE CAVES IN.*

SOIL DEPTHS WERE MEASURED AT MIDPOINT OF TRENCH.

TEST PIT LOG

PAGE: 1 OF 2

DATE: 2/20/08

TEST PIT NO.: TtP-2

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

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TEST PIT LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 2/20/08 - 7:40AM

TEST PIT LOGGED BY: JOE REED

VISITORS: NONE

WEATHER: PARTLY CLOUDY, 30°

EXCAVATION INFORMATION

EXCAVATION COMPANY: TP ENTERPRISES

START TIME: 8:00AM

TEST PIT DEPTH: 12'

TEST PIT DIA.: 20' X 2' X 12'

EXCAVATION METHOD: TRACK HOE

SAMPLING METHOD: BULK

TIME EXCAVATION COMPLETE: 8:45AM

TEST PIT COMPLETION / ABANDONMENT INFORMATION

START TIME: 8:45AM

COMPLETE TIME: 9:45AM

INSTRUMENTATION: NONE

BACKFILL: CUTTINGS

GROUNDWATER CONDITIONS

NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION.

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 9:45AM

TIME LEFT SITE: 9:45AM

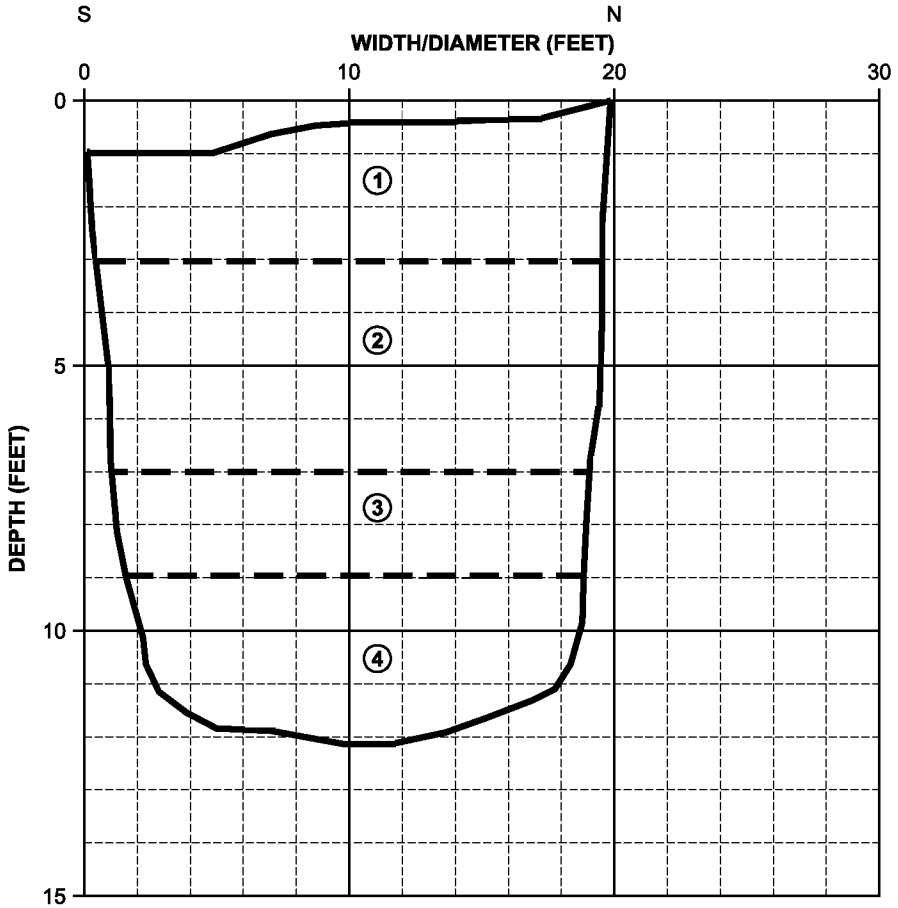
NOTES:

TEST PIT LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 2*

PROJECT NO.: *181750* **DATE:** *2/20/08*

TEST PIT NO.: **TtP-2**



DEPTH	SAMPLE I.D.	SAMPLE TYPE
4'	4'	BULK
7'	7'	BULK
11'	11'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
1	0 - 3'	**SANDY CLAY/CLAYEY SAND FILL** SLIGHTLY MOIST TO MOIST, MEDIUM STIFF/LOOSE, FINE TO COARSE SAND, GRAVEL, COBBLES, TRACE BOULDERS.
2	3' - 7'	**SANDY CLAY/CLAYEY SAND** SLIGHTLY MOIST TO MOIST, VERY DARK GRAYISH BROWN (10YR 3/1) AND BROWN (5YR 4/3), MEDIUM STIFF TO STIFF, TRACE SAND AND GRAVEL, ROOTS (NATIVE TOP SOIL).
3	7' - 9'	**SANDY CLAY/CLAYEY SAND** SLIGHTLY MOIST TO MOIST, YELLOWISH BROWN (10YR 5/4), STIFF TO VERY STIFF, FINE TO SAND, COARSE GRAVEL COBBLES, TRACE BOULDERS.
4	9' - 12'	**WEATHERED CLAYSTONE** SLIGHTLY MOIST, LIGHT GRAY (10YR 7/1) AND YELLOWISH BROWN (10YR 5/4), STIFF TO HARD, TRACE FINE SAND.

NOTES: *LOCATION 10 FT. NORTH OF ORIGINAL STAKE.*

SOIL DEPTHS WERE MEASURED AT MIDPOINT OF TRENCH.

TEST PIT LOG

PAGE: 1 OF 2

DATE: 2/19/08

TEST PIT NO.: TtP-3

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

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TEST PIT LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 2/19/08 - 10:55AM

TEST PIT LOGGED BY: JOE REED

VISITORS: NONE

WEATHER: SUNNY, 40°

EXCAVATION INFORMATION

EXCAVATION COMPANY: TP ENTERPRISES

START TIME: 12:00PM

TEST PIT DEPTH: 12'

TEST PIT DIA.: 20' X 2'-4' X 12'

EXCAVATION METHOD: TRACK HOE

SAMPLING METHOD: BULK

TIME EXCAVATION COMPLETE: 1:05PM

TEST PIT COMPLETION / ABANDONMENT INFORMATION

START TIME: 1:05PM

COMPLETE TIME: 2:00PM

INSTRUMENTATION: NONE

BACKFILL: CUTTINGS

GROUNDWATER CONDITIONS

NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION.

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 2:00PM

TIME LEFT SITE: 2:00PM

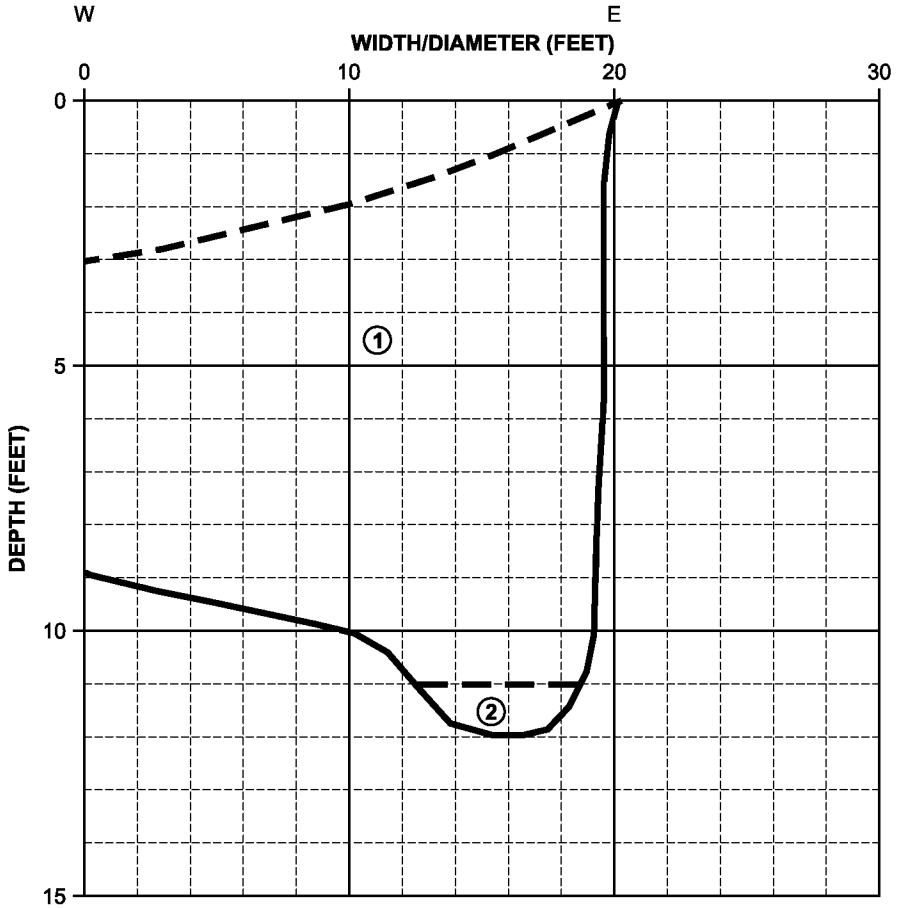
NOTES:

TEST PIT LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 2*

PROJECT NO.: *181750* **DATE:** *2/19/08*

TEST PIT NO.: **TtP-3**



DEPTH	SAMPLE I.D.	SAMPLE TYPE
8'	8'	BULK
11.5'	12'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
1	0 - 11'	**SILTY CLAY** SLIGHTLY MOIST TO MOIST, LIGHT BROWNISH GRAY (10YR 6/2) AND YELLOWISH BROWN (10YR 5/4), STIFF TO VERY STIFF, TRACE FINE TO COARSE SAND, NO GRAVEL COBBLES OR BOULDERS.
2	11' - 12'	**WEATHERED CLAYSTONE** SLIGHTLY MOIST TO DRY, GRAYISH BROWN (10YR 5/2), HARD.

NOTES: *CAVING NORTH SIDE OF PIT.*

SOIL DEPTHS WERE MEASURED AT MIDPOINT OF TRENCH.

TEST PIT LOG

PAGE: 1 OF 2

DATE: 2/19/08

TEST PIT NO.: TtP-4

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

...

TEST PIT LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 2/19/08 - 8:20AM

TEST PIT LOGGED BY: JOE REED

VISITORS: NONE

WEATHER: SUNNY, 40°

EXCAVATION INFORMATION

EXCAVATION COMPANY: TP ENTERPRISES

START TIME: 8:35AM

TEST PIT DEPTH: 12'

TEST PIT DIA.: 20' X 2' - 4' X 12'

EXCAVATION METHOD: TRACK HOE

SAMPLING METHOD: BULK

TIME EXCAVATION COMPLETE: 9:55AM

TEST PIT COMPLETION / ABANDONMENT INFORMATION

START TIME: 9:55AM

COMPLETE TIME: 11:00AM

INSTRUMENTATION: NONE

BACKFILL: CUTTINGS

GROUNDWATER CONDITIONS

GROUNDWATER WAS ENCOUNTERED AT 6' AND 11'.

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 11:00AM

TIME LEFT SITE: 11:00AM

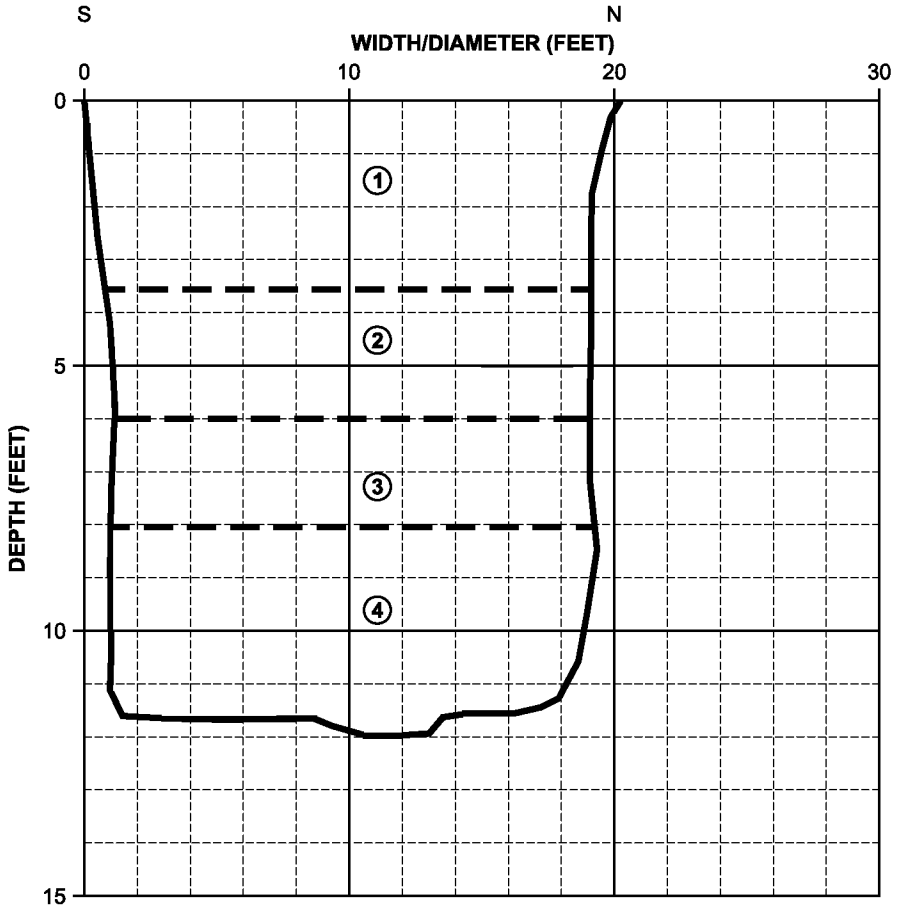
NOTES: LOCATION 20 FT. NW FROM ORIGINAL LOCATION

TEST PIT LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 2*

PROJECT NO.: *181750* **DATE:** *2/19/08*

TEST PIT NO.: **TtP-4**



DEPTH	SAMPLE I.D.	SAMPLE TYPE
4'	4'	BULK
6'	6'	BULK
10' - 11'	10' - 11'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
1	0 - 3.5'	**SILTY SANDY CLAY FILL** MOIST TO SLIGHTLY MOIST, YELLOWISH BROWN (10YR 5/6) WITH MINOR LIGHT BROWNISH GRAY (10YR 6/2), MEDIUM STIFF TO STIFF, FINE TO COARSE SAND AND GRAVEL, SOME COBBLES AND BOULDERS, ROOTS, TRACE SAND LENS.
2	3.5' - 6'	**CLAY** SLIGHTLY MOIST TO MOIST, GRAYISH BROWN (10YR 5/2), STIFF TO VERY STIFF, TRACE FINE TO COARSE SAND.
3	6' - 8'	**SANDY SILTY CLAY** SLIGHTLY MOIST TO WET, DARK GRAY (10YR 4/1), MEDIUM STIFF TO VERY STIFF, FINE TO COARSE SAND, ROOTS (LOOKS LIKE TOPSOIL).
4	8' - 12'	**SILTY CLAY** MOIST TO WET, GRAY (10YR 6/1) AND YELLOWISH BROWN (10YR 5/6), STIFF TO VERY STIFF, TRACE FINE TO COARSE SAND, (WEATHERED BEDROCK?).

NOTES: *WATER INFLOW AT 6' (TRICKLE) AND AT 11' - MINOR FLOW. SMALL METAL PIPE AT 8', PIT CAVING ON EAST SIDE.*

SOIL DEPTHS WERE MEASURED AT MIDPOINT OF TRENCH.

TEST PIT LOG

PAGE: 1 OF 2

DATE: 2/13/08

TEST PIT NO.: TtP-5

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

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TEST PIT LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 2/13/08 - 12:20PM

TEST PIT LOGGED BY: JOE REED

VISITORS: NONE

WEATHER: 50°, SUNNY, WINDY

EXCAVATION INFORMATION

EXCAVATION COMPANY: TP ENTERPRISES

START TIME: 12:40PM

TEST PIT DEPTH: 12'

TEST PIT DIA.: 20' X 12' X 2.5'

EXCAVATION METHOD: TRACK HOE

SAMPLING METHOD: BULK

TIME EXCAVATION COMPLETE: 1:55PM

TEST PIT COMPLETION / ABANDONMENT INFORMATION

START TIME: 1:55PM

COMPLETE TIME: 3:00PM

INSTRUMENTATION: NONE

BACKFILL: CUTTINGS

GROUNDWATER CONDITIONS

NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION.

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 3:00PM

TIME LEFT SITE: 3:00PM

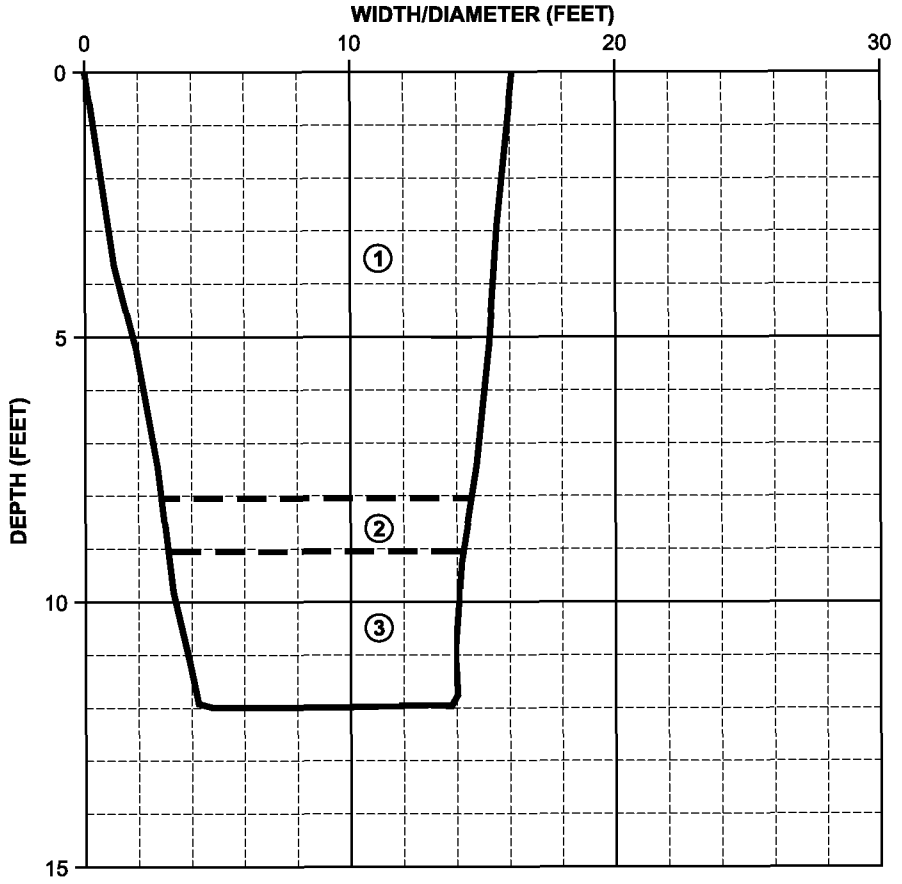
NOTES:

TEST PIT LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 2*

PROJECT NO.: *181750* **DATE:** *2/13/08*

TEST PIT NO.: **TtP-5**



DEPTH	SAMPLE I.D.	SAMPLE TYPE
0 - 2'	0 - 2'	BULK
8' - 9'	8' - 9'	BULK
9' - 10'	9' - 10'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
①	0 - 8'	**SANDY CLAY/CLAYEY SAND** MOIST TO WET, LIGHT YELLOWISH BROWN (10YR 6/4), STIFF TO VERY STIFF, FINE TO COARSE SAND, COBBLES, ROOTS, COBBLES AND BOULDERS INCREASE WITH DEPTH, MOISTURE DECREASES BY 5', CLAYEY SAND, MOIST
②	8' - 9'	**SILTY SANDY CLAY (TOPSOIL?)** MOIST, VERY DARK GRAYISH BROWN (10YR 3/2) AND GRAY (10YR 5/1), MEDIUM STIFF TO STIFF, FINE COARSE SAND, FREQUENT ROOTS.
③	9' - 12'	**CLAY** MOIST, LIGHT GRAY (10YR 7/1) AND BROWN (10YR 4/3), MOTTLED WITH LIGHT GRAY, STIFF TO VERY STIFF, TRACE SAND AND GRAVEL, TRACE ROOTS, COBBLES AND BOULDERS.

NOTES: *WATER PONDED IN DITCH, MATERIAL LOOSE, SIDE CAVING.*

SOIL DEPTHS WERE MEASURED AT MIDPOINT OF TRENCH.

TEST PIT LOG

PAGE: 1 OF 2

DATE: 2/20/08

TEST PIT NO.: TtP-6

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

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TEST PIT LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 2/20/08 - 9:55AM

TEST PIT LOGGED BY: JOE REED

VISITORS: NONE

WEATHER: MOSTLY CLOUDY, 40°

EXCAVATION INFORMATION

EXCAVATION COMPANY: TP ENTERPRISES

START TIME: 10:05AM

TEST PIT DEPTH: 14'

TEST PIT DIA.: 20' X 2' X 14'

EXCAVATION METHOD: TRACK HOE

SAMPLING METHOD: BULK

TIME EXCAVATION COMPLETE: 11:10AM

TEST PIT COMPLETION / ABANDONMENT INFORMATION

START TIME: 11:10AM

COMPLETE TIME: 12:00PM

INSTRUMENTATION: NONE

BACKFILL: CUTTINGS

GROUNDWATER CONDITIONS

NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION.

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 12:00PM

TIME LEFT SITE: 12:00PM

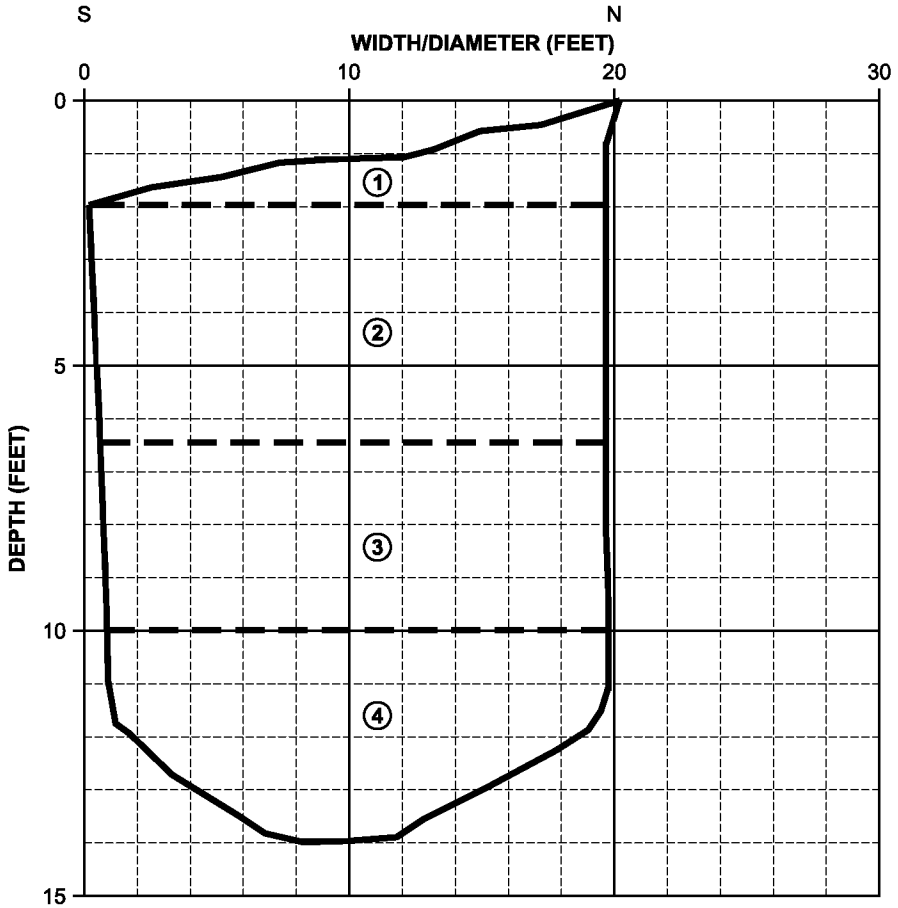
NOTES:

TEST PIT LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 2*

PROJECT NO.: *181750* **DATE:** *2/20/08*

TEST PIT NO.: **TtP-6**



DEPTH	SAMPLE I.D.	SAMPLE TYPE
3'	3'	BULK
9'	9'	BULK
10' - 10.5'	10' - 10.5'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
1	0 - 2'	**SANDY CLAY/CLAYEY SAND FILL** MOIST, YELLOWISH RED (5YR 5/6), STIFF, FINE TO COARSE SAND, GRAVEL, COBBLES, TRACE BOULDERS.
2	2' - 6.5'	**SANDY CLAY** SLIGHTLY MOIST TO MOIST, DARK GRAYISH BROWN (10YR 4/2), STIFF TO VERY STIFF, TRACE FINE TO COARSE SAND GRAVEL, TRACE COBBLES, TRACE ASPHALT.
3	6.5' - 10'	**SANDY CLAY** SLIGHTLY MOIST TO MOIST, BROWNISH YELLOW (10YR 6/6), MEDIUM STIFF TO STIFF, TRACE FINE TO COARSE SAND, TRACE GRAVEL (NATIVE)?.
4	10' - 14'	**CLAY** MOIST, LIGHT BROWNISH GRAY (10YR 6/2) WITH SOME BROWNISH YELLOW (10YR 6/6), MEDIUM STIFF TO STIFF, TRACE FINE TO COARSE SAND (NATIVE)?.

NOTES: *SOIL DEPTHS WERE MEASURED AT MIDPOINT OF TRENCH.*

SOIL DEPTHS WERE MEASURED AT MIDPOINT OF TRENCH.

TEST PIT LOG

PAGE: 1 OF 2

DATE: 2/13/08

TEST PIT NO.: TtP-7

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

...

TEST PIT LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 2/13/08 - 8:00AM

TEST PIT LOGGED BY: JOE REED

VISITORS: NONE

WEATHER: SUNNY, 30°

EXCAVATION INFORMATION

EXCAVATION COMPANY: TP ENTERPRISES

START TIME: 8:30AM

TEST PIT DEPTH: 11'

TEST PIT DIA.: 19' X 2' X 11'

EXCAVATION METHOD: TRACK HOE

SAMPLING METHOD: BULK

TIME EXCAVATION COMPLETE: 9:40AM

TEST PIT COMPLETION / ABANDONMENT INFORMATION

START TIME: 11:10AM

COMPLETE TIME: 11:30AM

INSTRUMENTATION: NONE

BACKFILL: CUTTINGS

GROUNDWATER CONDITIONS

WATER INFLOW AT 8' - 9'.

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 11:30AM

TIME LEFT SITE: 11:30AM

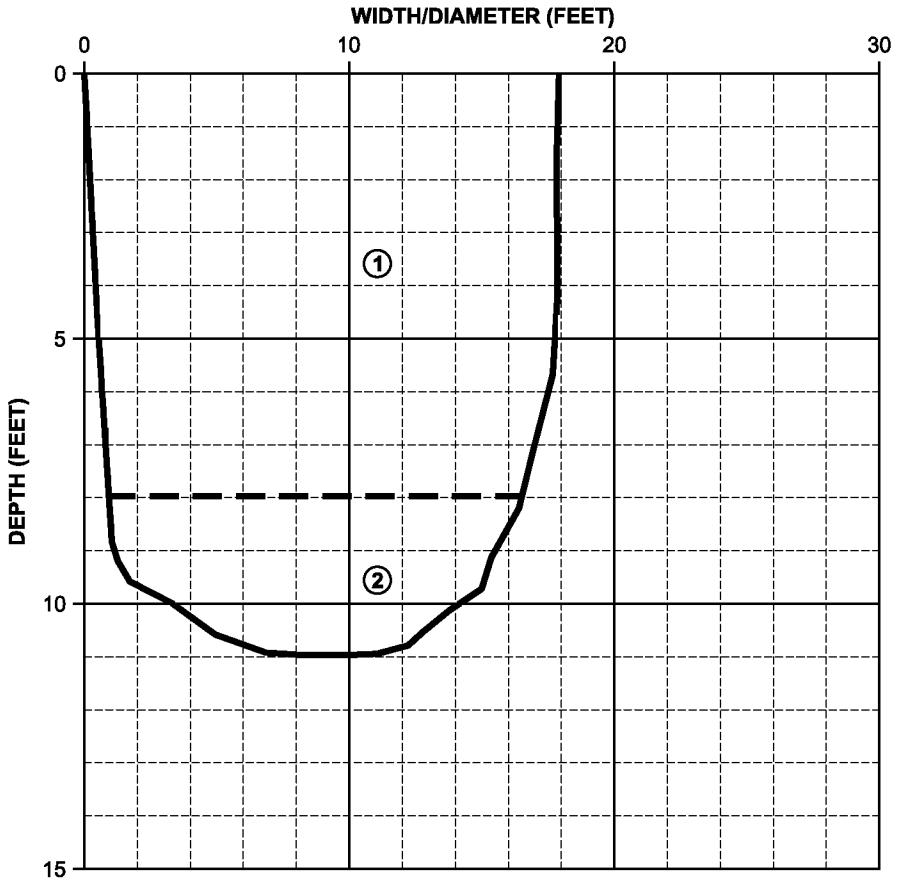
NOTES:

TEST PIT LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 2*

PROJECT NO.: *181750* **DATE:** *2/13/08*

TEST PIT NO.: **TtP-7**



DEPTH	SAMPLE I.D.	SAMPLE TYPE
8' - 9'	8' - 9'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
①	0 - 8'	**SANDY CLAY FILL** MOIST, DARK GRAYISH BROWN (10YR 4/2) AND YELLOWISH BROWN (10YR 5/6), STIFF TO VERY STIFF, FINE TO COARSE SAND, SOME FINE TO COARSE GRAVEL, TRACE COBBLES, ROOTS.
②	8' - 11'	**CLAYEY SAND** WET, BROWNISH YELLOW (10YR 6/6), SOFT TO MEDIUM STIFF, COHESIVE, FINE COARSE GRAINED SAND, FINE TO COARSE GRAVEL, TRACE COBBLES, WATER INFLOW 8' - 9'.

NOTES: *PIT CAVING. WATER INFLOW AT 8' - 9'.*

SOIL DEPTHS WERE MEASURED AT MIDPOINT OF TRENCH.

TEST PIT LOG

PAGE: 1 OF 2

DATE: 2/12/08

TEST PIT NO.: TtP-8

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

...

TEST PIT LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 2/12/08 - 9:45AM

TEST PIT LOGGED BY: JOE REED

VISITORS: NONE

WEATHER: ~30° F, CLOUDY

EXCAVATION INFORMATION

EXCAVATION COMPANY: TP ENTERPRISES

START TIME: 10:55AM

TEST PIT DEPTH: 13'

TEST PIT DIA.: 20' X 2' X 10'

EXCAVATION METHOD: TRACK HOE

SAMPLING METHOD: BULK

TIME EXCAVATION COMPLETE: 12:35PM

TEST PIT COMPLETION / ABANDONMENT INFORMATION

START TIME: 1:15PM

COMPLETE TIME: 2:00PM

INSTRUMENTATION: NONE

BACKFILL: CUTTINGS

GROUNDWATER CONDITIONS

NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION.

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 2:00PM

TIME LEFT SITE: 2:00PM

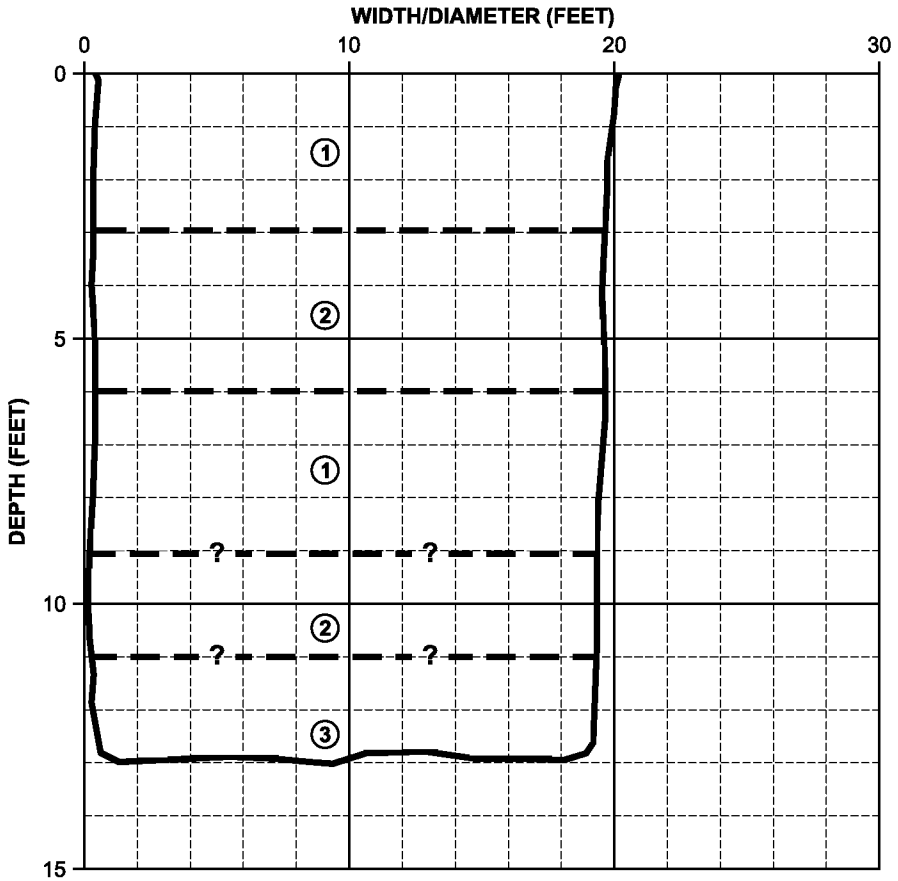
NOTES:

TEST PIT LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 2*

PROJECT NO.: *181750* **DATE:** *2/12/08*

TEST PIT NO.: **TtP-8**



DEPTH	SAMPLE I.D.	SAMPLE TYPE
0 - 2'	0 - 2'	BULK
4' - 6'	4' - 6'	BULK
11' - 13'	11' - 13'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
1	0 - 3' 6' - 9'	**FILL** CLAYEY SAND/SANDY CLAY (YELLOWISH BROWN) AND SANDY CLAY (BROWN), MOIST TO SLIGHTLY MOIST, BROWN (10YR 5/6) AND YELLOWISH BROWN (10YR 5/6), CLAYEY SAND/SANDY CLAY, MORE SAND, GRAVEL, AND COBBLES THAN SANDY CLAY, STIFF, SANDY CLAY, VERY STIFF, TRACE OF SAND, GRAVEL AND COBBLES.
2	3' - 6' 9' - 11'	**FILL** SANDY CLAY, SLIGHTLY MOIST TO MOIST, LIGHT BROWNISH GRAY (10YR 6/2) AND BROWN (10YR 5/6), VERY STIFF, TRACE SAND.
3	11' - 13'	**HIGHLY WEATHERED BEDROCK** CLAYSTONE, SLIGHTLY MOIST, YELLOWISH BROWN (10YR 5/6) AND LIGHT GREENISH GRAY (GLEY1 7/1), TRACE FINE SAND, TRACE OF HARD GRAVEL SIZED CLAYSTONE FRAGMENTS, TRACE ROOTS.

NOTES: *CONTACTS BETWEEN MATERIALS 1 & 2 ARE GRADATIONAL AND APPROXIMATE.*

CONTACT BETWEEN MATERIAL 2 & 3 APPEARS VARIABLE ALONG TRENCH LENGTH.

SOIL DEPTHS WERE MEASURED AT MIDPOINT OF TRENCH.

TEST PIT LOG

PAGE: 1 OF 2

DATE: 2/12/08

TEST PIT NO.: TtP-9

PROJECT INFORMATION

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION

PROJECT NO.: 181750

CLIENT: S. M. STOLLER

OWNER: DOE

LOCATION: ROCKY FLATS

...

TEST PIT LOCATION

SEE FIGURE 2

FIELD INFORMATION

DATE & TIME ARRIVED: 2/12/08 - 2:30PM

TEST PIT LOGGED BY: JOE REED

VISITORS: NONE

WEATHER: CLOUDY, 30°

EXCAVATION INFORMATION

EXCAVATION COMPANY: TP ENTERPRISES

START TIME: 2:30PM

TEST PIT DEPTH: 3'

TEST PIT DIA.: 14' X 2' X (1.5'-3')

EXCAVATION METHOD: TRACK HOE

SAMPLING METHOD: BULK

TIME EXCAVATION COMPLETE: 3:20PM

TEST PIT COMPLETION / ABANDONMENT INFORMATION

START TIME: 3:20PM

COMPLETE TIME: 3:40PM

INSTRUMENTATION: NONE

BACKFILL: CUTTINGS

GROUNDWATER CONDITIONS

NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION.

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 3:40PM

TIME LEFT SITE: 3:40PM

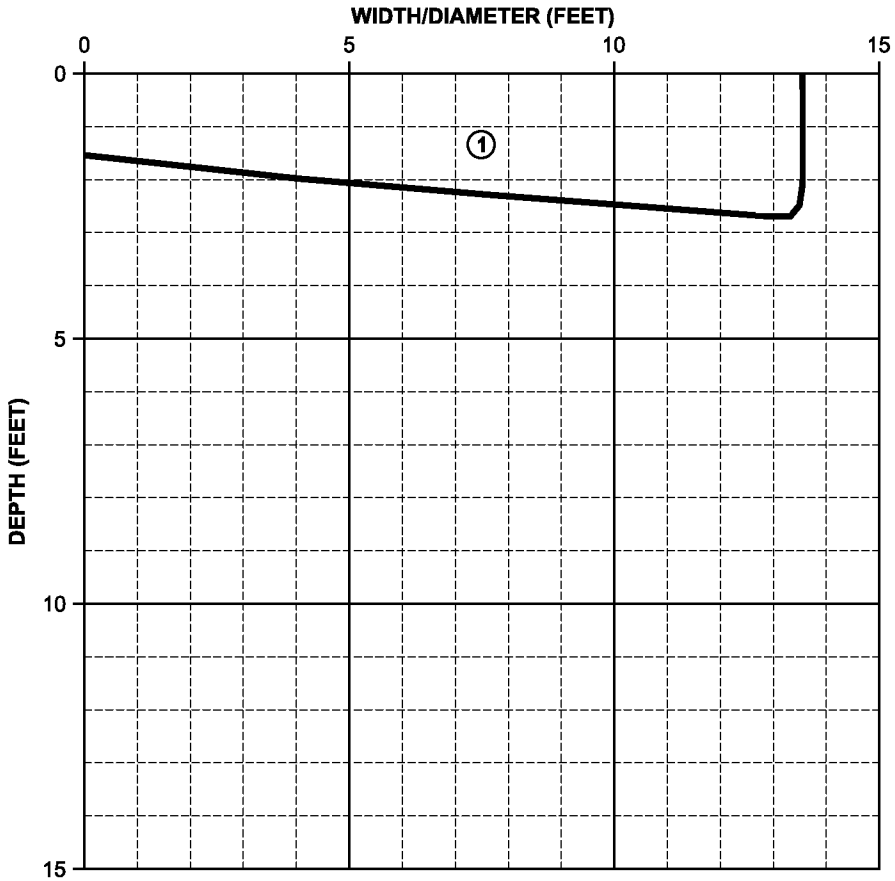
NOTES: LOCATION MOVED TO TOP OF BUTTRESS TO AVOID SEEP AREA (APPROX. 100' NORTH).

TEST PIT LOG

PROJECT: *ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION* **PAGE:** *2 OF 2*

PROJECT NO.: *181750* **DATE:** *2/12/08*

TEST PIT NO.: **TtP-9**



DEPTH	SAMPLE I.D.	SAMPLE TYPE
0 - 2'	0 - 2'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
1	0 - 2'	**CLAYEY SAND/SANDY CLAY FILL WITH GRAVEL AND COBBLES** MOIST, YELLOWISH BROWN (10YR 5/4), STIFF, FINE TO COARSE SAND, FINE TO COARSE GRAVEL, SOME COBBLES, TRACE ROOTS.

NOTES: *FILL OVER FABRIC AND GRAVEL DRAIN.*

SOIL DEPTHS WERE MEASURED AT MIDPOINT OF TRENCH.

CONSOLIDATION TEST
ASTM D-2435

CLIENT	Tetra Tech	JOB NO.	2592-04
BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 DPM
SAMPLE NO.	B	TEST FINISHED	04-25-08 DPM
SOIL DESCR.	#114-181750	CELL NUMBER	ATT-15
LOCATION	Rocky Flats OLF		
SAMPLE DIA.(in)	1.938	INITIAL HT.(in)	1.000

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER TEST
Wt. Soil & Ring(s) (g)	344.4	341.5
Wt. Ring(s) (g)	243.4	243.4
Wt. Soil (g)	101.0	98.1
Wet Density PCF	130.4	133.2
Wt. Wet Soil & Pan (g)	104.1	101.2
Wt. Dry Soil & Pan (g)	88.3	88.3
Wt. Lost Moisture (g)	15.8	12.9
Wt. of Pan Only (g)	3.1	3.1
Wt. of Dry Soil (g)	85.2	85.2
Moisture Content %	18.6	15.1
Dry Density PCF	110.0	115.7

LOAD (PSF)	CONSOL. (IN.)
155	0.0000
155	0.0175
309	0.0179
309	0.0196
619	0.0231
1237	0.0307
2474	0.0398
4948	0.0534
1237	0.0518
309	0.0504
155	0.0492

	LOAD (PSF)	LOG p	CONSOL. (IN.)	DEFL. (IN.)	VOID RATIO e
	155	2.190	0.0000	0.0000	0.5041
	155	2.190	0.0175	-0.0175	0.4778
	309	2.490	0.0179	-0.0179	0.4772
Inundate	309	2.490	0.0196	-0.0196	0.4746
	619	2.792	0.0231	-0.0231	0.4694
	1237	3.092	0.0307	-0.0307	0.4580
	2474	3.393	0.0398	-0.0398	0.4443
	4948	3.694	0.0534	-0.0534	0.4238
	1237	3.092	0.0518	-0.0518	0.4262
	309	2.490	0.0504	-0.0504	0.4283
	155	2.190	0.0492	-0.0492	0.4301

% Saturation	97.6
Sp. Gr. (g/cc)	2.650
Init. Ht. Solids (cm)	1.689
Init. Ht. Voids (cm)	0.851
Init. Void Ratio	0.5041

Data entry by: SR Date: 05/09/2008
Data checked by: DPM Date: 5/9/08
FileName: TTC0TT5

ADVANCED TERRA TESTING, INC. ATT

CLIENT Tetra Tech

JOB NO. 2592-04

BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 DPM
SAMPLE NO.	B	TEST FINISHED	04-25-08 DPM
SOIL DESCR.	#114-181750	CELL NUMBER	ATT-15
LOCATION	Rocky Flats OLF		

TIME READING DATA

619 psf Load

Elapsed Time (min)	SQRT Time (min)	Dial Reading (in)	Defl. (in)
0.0	0.00	0.0203	0.0000
0.1	0.32	0.0221	-0.0018
0.3	0.50	0.0224	-0.0021
0.5	0.71	0.0226	-0.0023
1.0	1.00	0.0228	-0.0025
2.0	1.41	0.0230	-0.0027
4.0	2.00	0.0232	-0.0029
9.0	3.00	0.0234	-0.0031
16.0	4.00	0.0236	-0.0033
30.0	5.48	0.0238	-0.0035
60.0	7.75	0.0240	-0.0037
120.0	10.95	0.0242	-0.0039
240.0	15.49	0.0245	-0.0042
480.0	21.91	0.0247	-0.0044

1237 psf Load

Elapsed Time (min)	SQRT Time (min)	Dial Reading (in)	Defl. (in)
0.0	0.00	0.0248	0.0000
0.1	0.32	0.0286	-0.0038
0.3	0.50	0.0292	-0.0044
0.5	0.71	0.0297	-0.0049
1.0	1.00	0.0302	-0.0054
2.0	1.41	0.0306	-0.0058
4.0	2.00	0.0310	-0.0062
10.0	3.16	0.0314	-0.0066
16.0	4.00	0.0318	-0.0070
30.0	5.48	0.0320	-0.0072
60.0	7.75	0.0323	-0.0075
120.0	10.95	0.0325	-0.0077
240.0	15.49	0.0328	-0.0080
480.0	21.91	0.0330	-0.0082

2474 psf Load

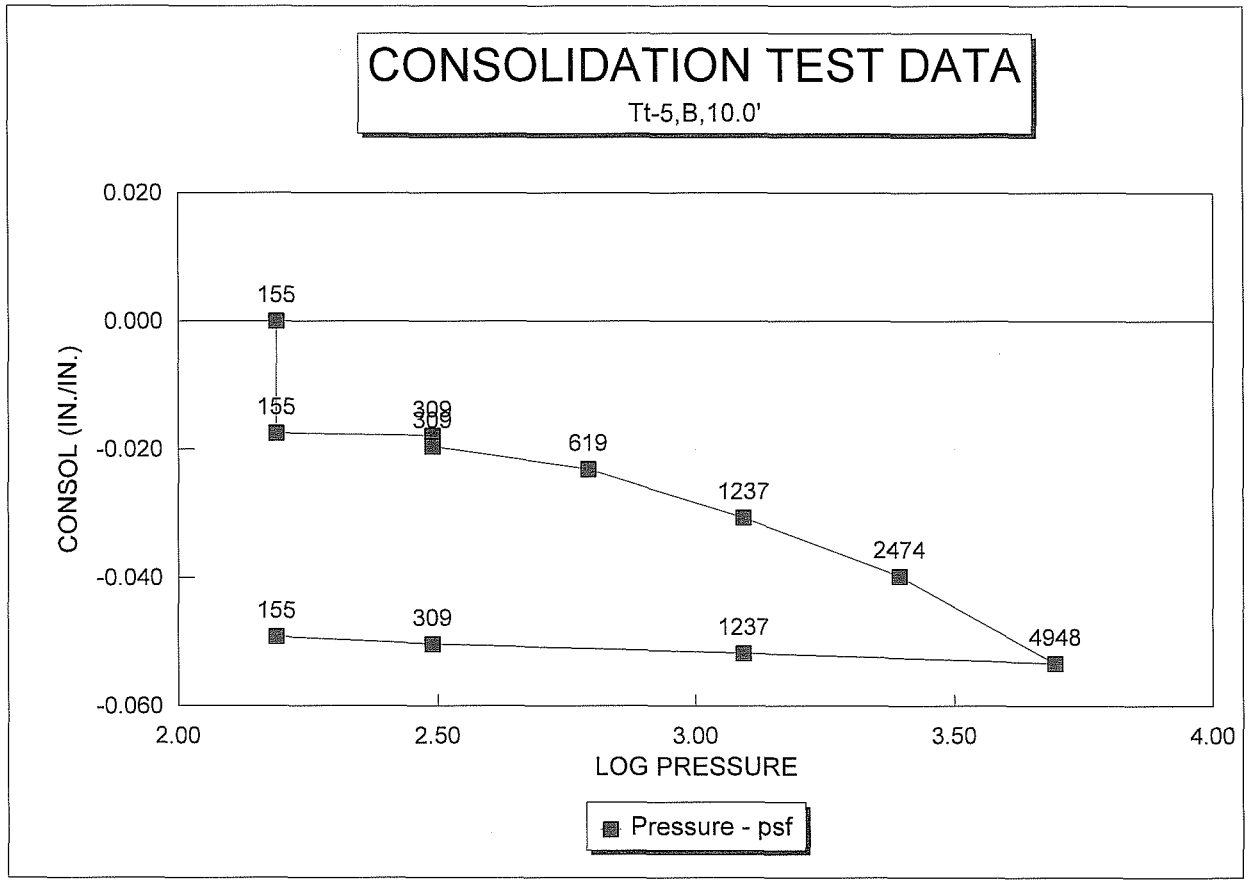
Elapsed Time (min)	SQRT Time (min)	Dial Reading (in)	Defl. (in)
0.0	0.00	0.0332	0.0000
0.1	0.32	0.0382	-0.0050
0.3	0.50	0.0389	-0.0057
0.5	0.71	0.0393	-0.0061
1.0	1.00	0.0399	-0.0067
2.0	1.41	0.0404	-0.0072
4.0	2.00	0.0408	-0.0076
9.0	3.00	0.0415	-0.0083
16.0	4.00	0.0418	-0.0086
30.0	5.48	0.0422	-0.0090
60.0	7.75	0.0425	-0.0093
120.0	10.95	0.0429	-0.0097
240.0	15.49	0.0431	-0.0099
480.0	21.91	0.0434	-0.0102

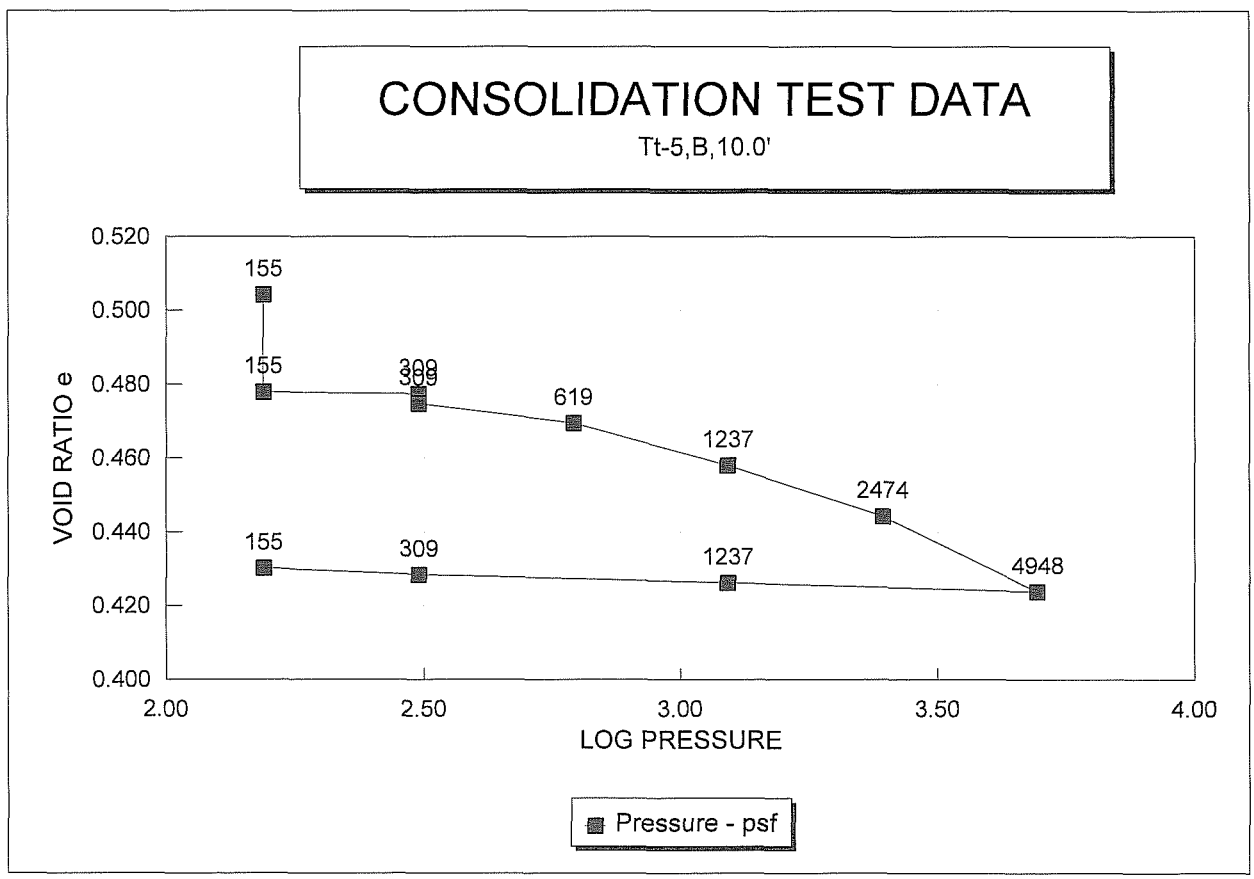
4948 psf Load

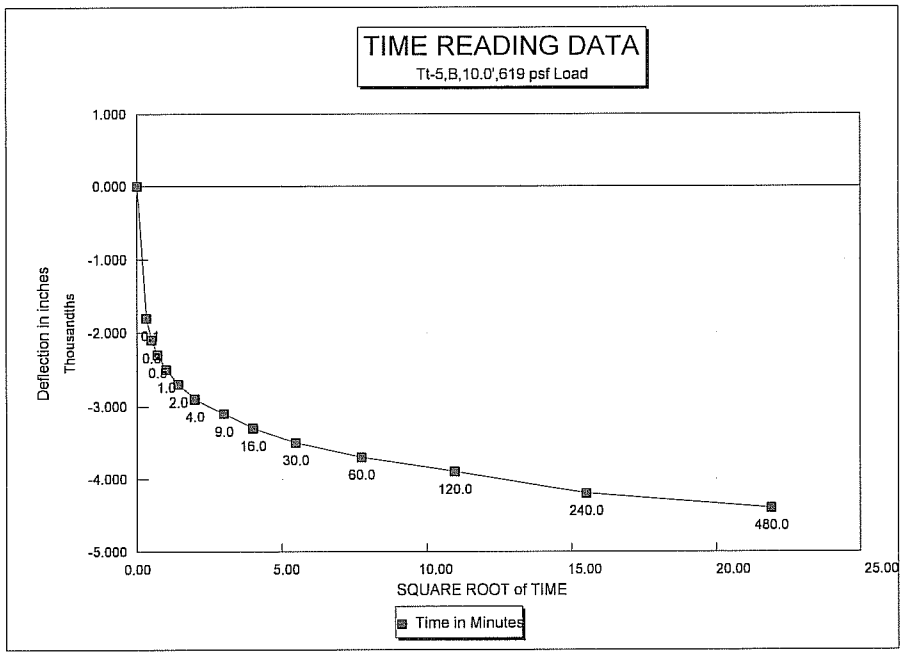
Elapsed Time (min)	SQRT Time (min)	Dial Reading (in)	Defl. (in)
0.0	0.00	0.0436	0.0000
0.1	0.32	0.0507	-0.0071
0.3	0.50	0.0517	-0.0081
0.5	0.71	0.0525	-0.0089
1.0	1.00	0.0533	-0.0097
2.0	1.41	0.0540	-0.0104
4.0	2.00	0.0550	-0.0114
9.0	3.00	0.0557	-0.0121
16.0	4.00	0.0562	-0.0126
30.0	5.48	0.0567	-0.0131
60.0	7.75	0.0572	-0.0136
120.0	10.95	0.0576	-0.0140
240.0	15.49	0.0580	-0.0144
480.0	21.91	0.0583	-0.0147

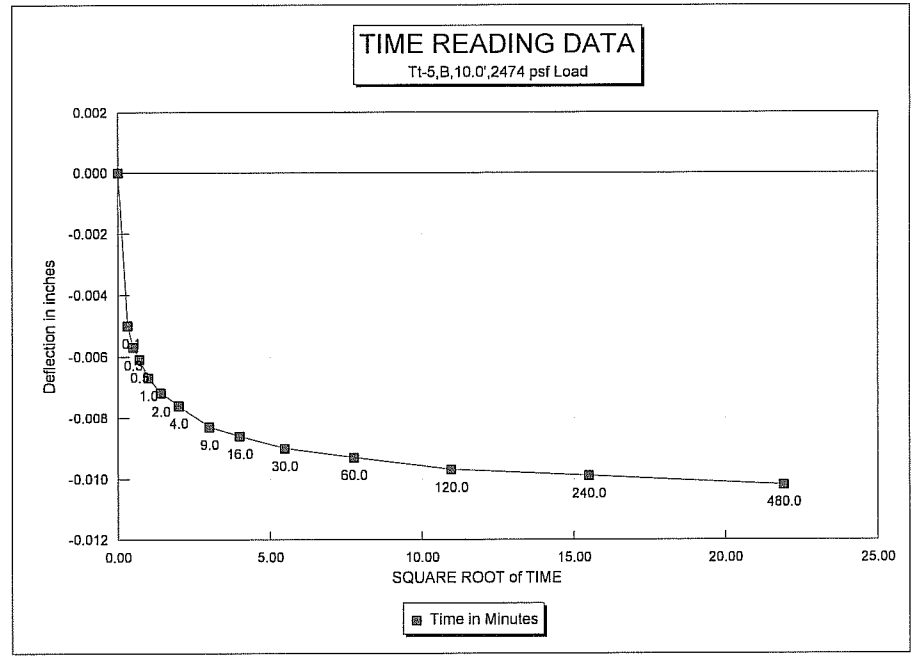
Data entry by: SR Date: 05/09/2008
Data checked by: DMT Date: 5/9/08
FileName: TTC0TT5

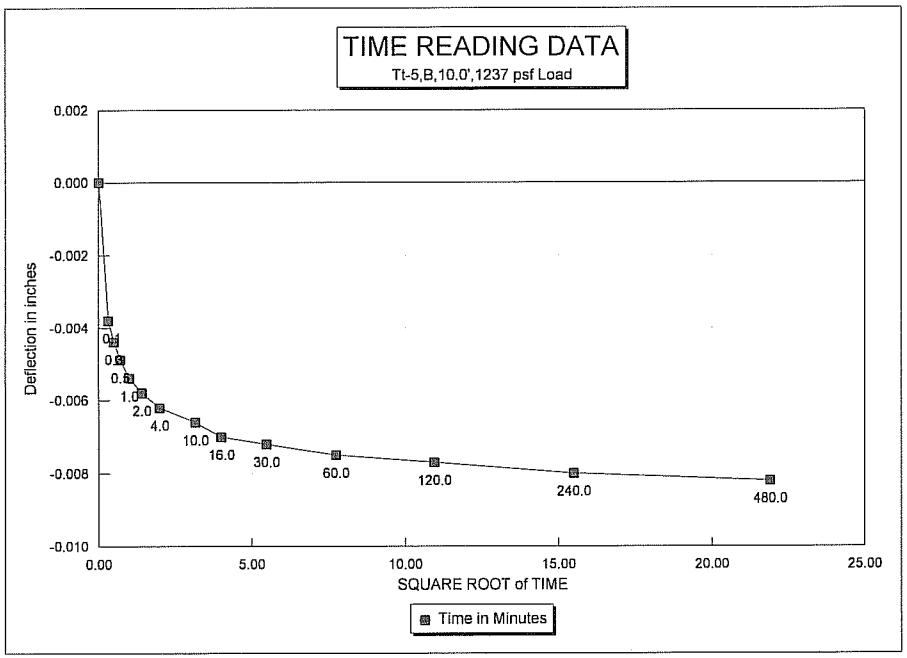
ADVANCED TERRA TESTING, Inc. ATT

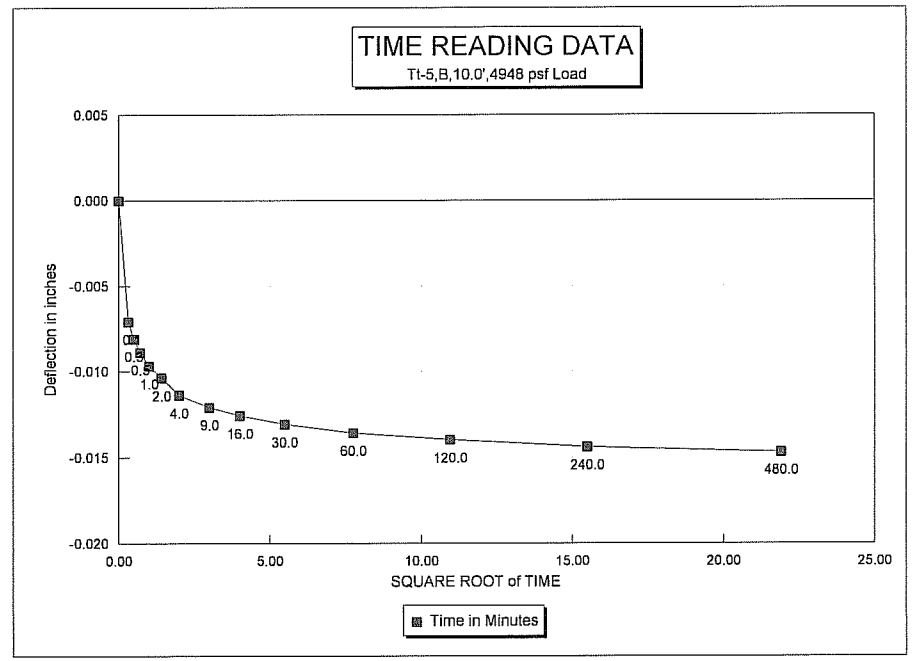

CONSOLIDATION TEST DATA
Tt-5,B,10.0'
0.020
0.000
-0.020
-0.040
-0.060
CONSOL (IN./IN.)
155
155
309
619
1237
2474
155
309
1237
4948
2.00
2.50
3.00
3.50
4.00
LOG PRESSURE
Pressure - psf


CONSOLIDATION TEST DATA
Tt-5,B,10.0'
0.520
0.500
0.480
0.460
0.440
0.420
0.400
VOID RATIO e
155
155
309
619
1237
2474
155
309
1237
4948
2.00
2.50
3.00
3.50
4.00
LOG PRESSURE
Pressure - psf


TIME READING DATA
Tt-5,B,10.0',619 psf Load
Deflection in inches
Thousandths
1.000
0.000
-1.000
-2.000
-3.000
-4.000
-5.000
0.00
5.00
10.00
15.00
20.00
25.00
SQUARE ROOT of TIME
0.1
0.25
0.5
0.6
1.0
2.0
4.0
9.0
16.0
30.0
60.0
120.0
240.0
480.0
Time in Minutes


TIME READING DATA
Tt-5,B,10.0',2474 psf Load
Deflection in inches
0.002
0.000
-0.002
-0.004
-0.006
-0.008
-0.010
-0.012
0.00
5.00
10.00
15.00
20.00
25.00
SQUARE ROOT of TIME
0.1
0.25
0.5
0.6
1.0
2.0
4.0
9.0
16.0
30.0
60.0
120.0
240.0
480.0
Time in Minutes


TIME READING DATA
Tt-5,B,10.0',1237 psf Load
Deflection in inches
0.002
0.000
-0.002
-0.004
-0.006
-0.008
-0.010
0.00
5.00
10.00
15.00
20.00
25.00
SQUARE ROOT of TIME
0.1
0.25
0.5
0.6
1.0
2.0
4.0
10.0
16.0
30.0
60.0
120.0
240.0
480.0
Time in Minutes


TIME READING DATA
Tt-5,B,10.0',4948 psf Load
Deflection in inches
0.005
0.000
-0.005
-0.010
-0.015
-0.020
0.00
5.00
10.00
15.00
20.00
25.00
SQUARE ROOT of TIME
0.1
0.25
0.5
0.6
1.0
2.0
4.0
9.0
16.0
30.0
60.0
120.0
240.0
480.0
Time in Minutes

DIRECT SHEAR TEST DATA
ASTM D 3080

CLIENT	Tetra Tech	JOB NO.	2592-04
BORING NO.	Tt-1	SAMPLED	03-27-08 JLR
DEPTH	17.0'	TEST STARTED	04-29-08 DPM
SAMPLE NO.	B	TEST FINISHED	04-29-08 DPM
POINT	A	CELL NUMBER	Geomatic
SOIL DESCR.	#114-181750	SATURATED TEST	Yes
LOCATION	Rocky Flats OLF	TEST TYPE	CD
NORMAL STRESS (psf)	5992		

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER TEST
Wt. Soil + Moisture (g)	104.3	105.7
Wt. Wet Soil & Pan (g)	112.4	113.9
Wt. Dry Soil & Pan (g)	97.6	97.6
Wt. Lost Moisture (g)	14.9	16.3
Wt. of Pan Only (g)	8.2	8.2
Wt. of Dry Soil (g)	89.4	89.4
Moisture Content %	16.6	18.2
Wet Density (pcf)	134.7	138.4
Dry Density (pcf)	115.5	117.1

Init. Diameter (in)	1.938
Init. Area (sq in)	2.950
Init. Height (in)	1.000
Vol. Bef. Consol. (cu ft)	0.00171
Final Height (in)	0.986
Vol. After Consol. (cu ft)	0.00168

Test Set Up: Continuous Increasing Deflection Control
Shear Speed: 0.00200 in/min

Notes & Comments:

Data File Name: TTDST17A.DAT

Normal Stress:	5992 psf	41.61 psi
Peak Stress:	5147 psf	35.74 psi
Ultimate Stress:	3580 psf	24.86 psi

Data entry by: SR Date: 05/07/2008
Data checked by: DPM Date: 5/07/08
FileName: TTDSTT1

ADVANCED TERRA TESTING, INC. ATT

DIRECT SHEAR TEST DATA
ASTM D 3080

CLIENT Tetra Tech

JOB NO. 2592-04

BORING NO.	Tt-1	SAMPLED	03-27-08 JLR
DEPTH	17.0'	TEST STARTED	04-29-08 DPM
SAMPLE NO.	B	TEST FINISHED	04-30-08 DPM
POINT	B	CELL NUMBER	Geomatic
SOIL DESCR.	#114-181750	SATURATED TEST	Yes
LOCATION	Rocky Flats OLF	TEST TYPE	CD
NORMAL STRESS (psf)	2977		

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER TEST
Wt. Soil + Moisture (g)	105.2	107.7
Wt. Wet Soil & Pan (g)	111.8	114.3
Wt. Dry Soil & Pan (g)	98.0	98.0
Wt. Lost Moisture (g)	13.8	16.3
Wt. of Pan Only (g)	6.6	6.6
Wt. of Dry Soil (g)	91.4	91.4
Moisture Content %	15.1	17.9
Wet Density (pcf)	135.8	139.9
Dry Density (pcf)	118.0	118.7

Init. Diameter (in)	1.938
Init. Area (sq in)	2.950
Init. Height (in)	1.000
Vol. Bef. Consol. (cu ft)	0.00171
Final Height (in)	0.994
Vol. After Consol. (cu ft)	0.00170

Test Set Up: Continuous Increasing Deflection Control
Shear Speed: 0.00200 in/min

Notes & Comments:

Data File Name: TTDST17B.DAT

Normal Stress:	2977 psf	20.67 psi
Peak Stress:	3562 psf	24.74 psi
Ultimate Stress:	1921 psf	13.34 psi

Data entry by: SR Date: 05/07/2008
Data checked by: DPM Date: 5/07/08
FileName: TTDSTT1

ADVANCED TERRA TESTING, INC. ATT

DIRECT SHEAR TEST DATA
ASTM D 3080

CLIENT	Tetra Tech	JOB NO.	2592-04
BORING NO.	Tt-1	SAMPLED	03-27-08 JLR
DEPTH	17.0'	TEST STARTED	04-29-08 DPM
SAMPLE NO.	B	TEST FINISHED	04-30-08 DPM
POINT	C	CELL NUMBER	Geomatic
SOIL DESCR.	#114-181750	SATURATED TEST	Yes
LOCATION	Rocky Flats OLF	TEST TYPE	CD
NORMAL STRESS (psf)	1469		

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER TEST
Wt. Soil + Moisture (g)	102.8	104.8
Wt. Wet Soil & Pan (g)	111.0	113.1
Wt. Dry Soil & Pan (g)	95.8	95.8
Wt. Lost Moisture (g)	15.2	17.3
Wt. of Pan Only (g)	8.3	8.3
Wt. of Dry Soil (g)	87.6	87.6
Moisture Content %	17.3	19.7
Wet Density (pcf)	132.7	135.3
Dry Density (pcf)	113.1	113.0

Init. Diameter (in)	1.938
Init. Area (sq in)	2.950
Init. Height (in)	1.000
Vol. Bef. Consol. (cu ft)	0.00171
Final Height (in)	1.001
Vol. After Consol. (cu ft)	0.00171

Test Set Up: Continuous Increasing Deflection Control
Shear Speed: 0.00200 in/min

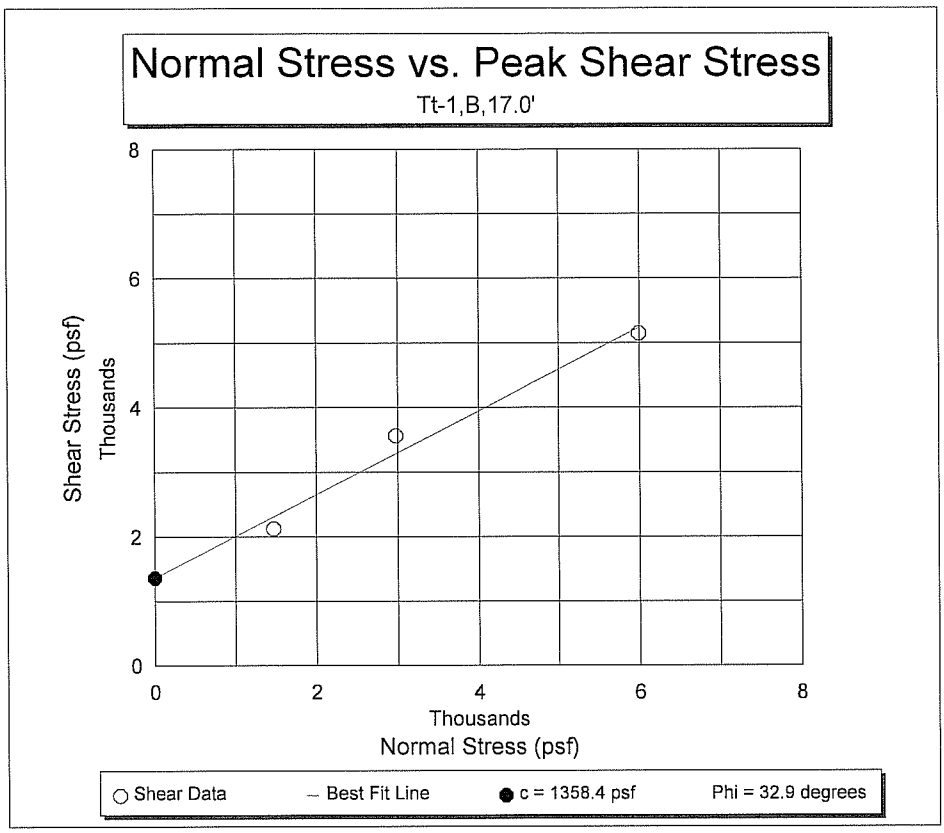
Notes & Comments:

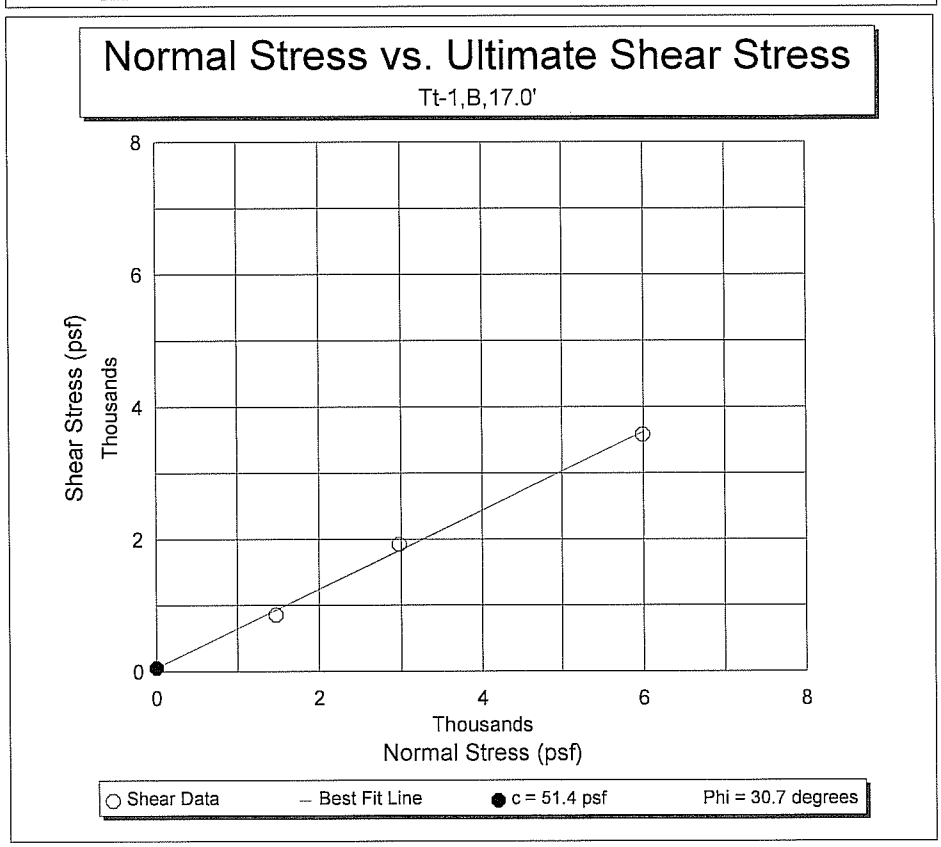
Data File Name: TTDST17C.DAT

Normal Stress:	1469 psf	10.20 psi
Peak Stress:	2126 psf	14.76 psi
Ultimate Stress:	858 psf	5.96 psi

Data entry by: SR Date: 05/07/2008
Data checked by: OPM Date: 5/07/08
FileName: TTDSTT1

ADVANCED TERRA TESTING, INC. ATT


Normal Stress vs. Peak Shear Stress
Tt-1,B,17.0'
Shear Stress (psf)
Thousands
0
2
4
6
8
Thousands
Normal Stress (psf)
Shear Data
Best Fit Line
c = 1358.4 psf
Phi = 32.9 degrees


Normal Stress vs. Ultimate Shear Stress
Tt-1,B,17.0'
Shear Stress (psf)
Thousands
0
2
4
6
8
Thousands
Normal Stress (psf)
Shear Data
Best Fit Line
c = 51.4 psf
Phi = 30.7 degrees

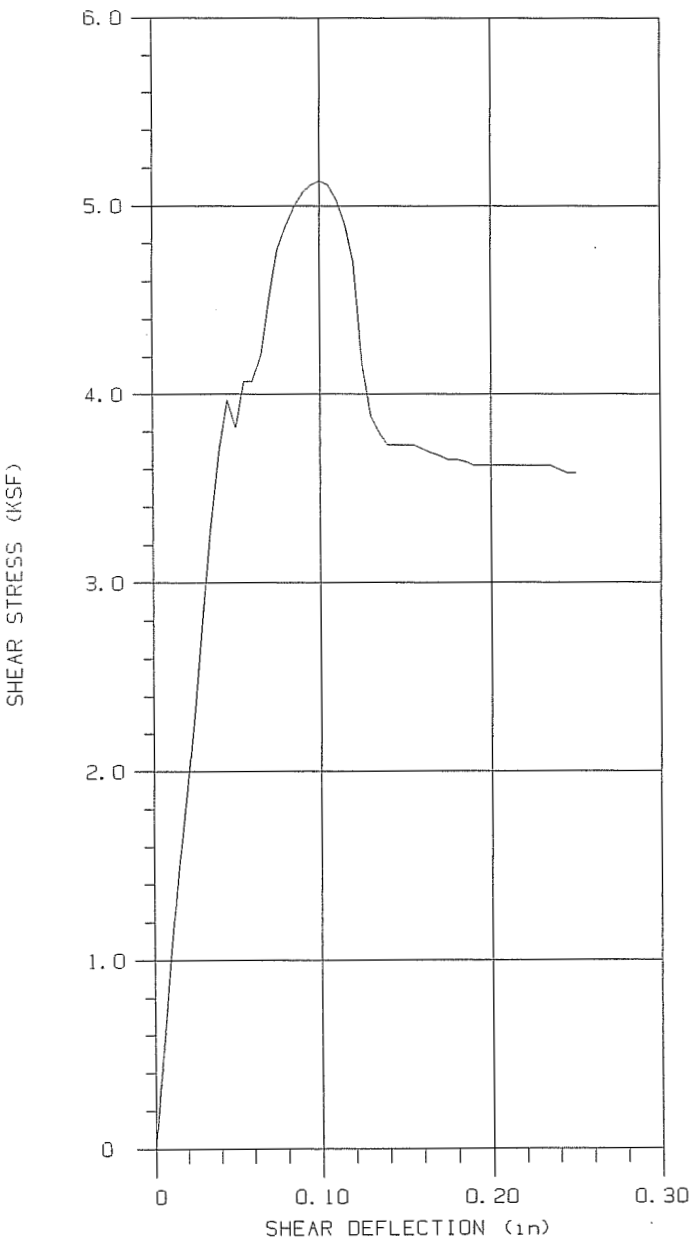
ADVANCED TERRA TESTING

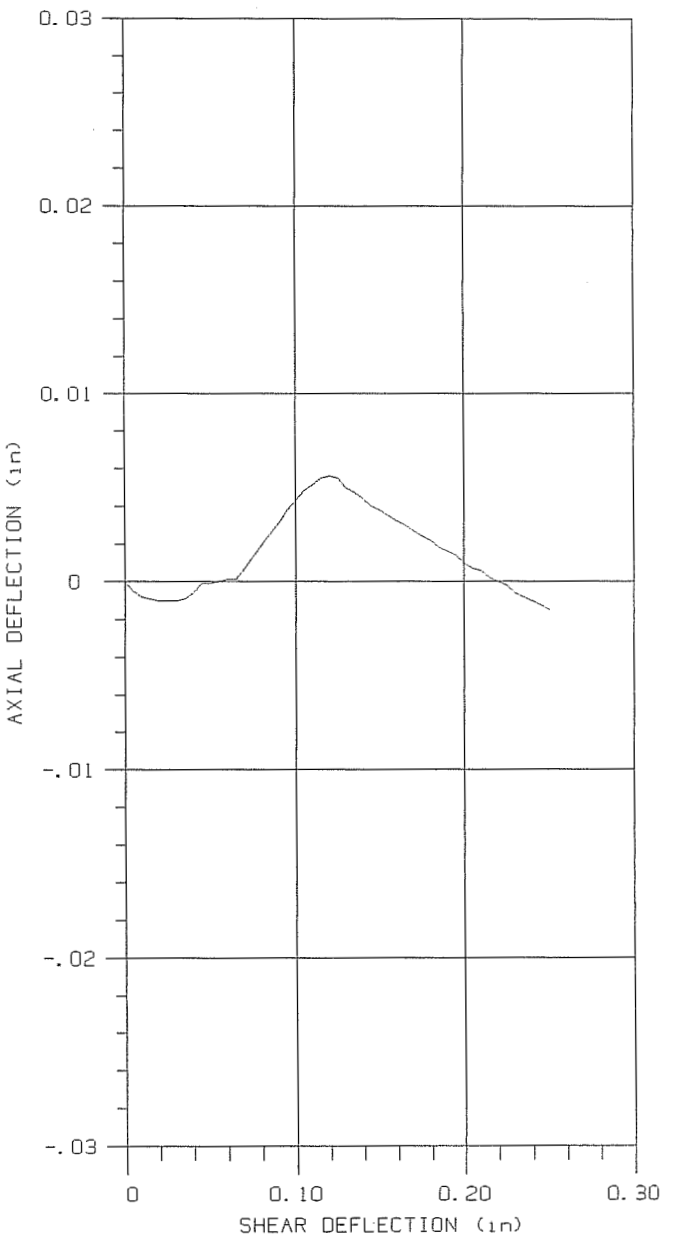
Direct Shear Test

Client..... Tetra Tech
Location..... Rocky Flats OLF

Soil Type..... 114-181750
Depth..... 17.0 (ft)
Confining Pressure.. 5992 (psf)
Shear Rate..... .0020 (in/min)
Date Tested..... 04-29-2008

Job Number..... 2592-04
Sample Number... B Pt. A
Boring..... Tt-1
File Name..... ttdst17a.DAT
Tested By..... DPM





Pass Number and Line Type....	1 ———	2 - - - - - -	3 — — —	4 — - - —
Maximum Shear Stress.....	5147	.0000	.0000	.0000
Shear Deflection @ Max Stress.	.0977	.0000	.0000	.0000

EOMATIC Direct Shear Data

ile Name.....ttdst17a.DAT
lient.....Tetra Tech
ob Number....2592-04
ocation.....Rocky Flats OLF
ate.....04-29-2008
echnician....DPM
ample Diameter (in).....1.938
onfining Pressure (psf)..5992
umber of Passes.....1
hear Distance (in).....0.25
hear Rate (in/min).....0020
oil Type.....114-181750
oring Number.....Tt-1
ample Number.....B Pt. A
epth (ft).....17.0

SHEAR EFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.005	503	-.0005
0.010	1007	-.0008
0.015	1492	-.0009
0.020	1883	-.0010
0.025	2331	-.0010
0.030	2834	-.0010
0.035	3301	-.0009
0.040	3711	-.0006
0.045	3972	-.0001
0.050	3823	-.0001
0.055	4065	0.0000
0.060	4065	0.0001
0.065	4214	0.0001
0.070	4513	0.0007
0.075	4774	0.0013
0.080	4886	0.0019
0.085	4998	0.0025
0.090	5072	0.0031
0.095	5109	0.0038
0.100	5128	0.0043
0.105	5109	0.0048
0.110	5035	0.0051
0.115	4904	0.0055
0.120	4699	0.0056
0.125	4158	0.0055
0.130	3879	0.0050
0.135	3786	0.0047
0.140	3730	0.0044
0.145	3730	0.0040
0.150	3730	0.0038
0.155	3730	0.0035
0.160	3711	0.0032
0.165	3692	0.0030
0.170	3674	0.0027
0.175	3655	0.0024

Continued next page.

ass 1 Continued

SHEAR EFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.180	3655	0.0022
0.185	3636	0.0018
0.190	3618	0.0016
0.195	3618	0.0014
0.200	3618	0.0010
0.205	3618	0.0007
0.210	3618	0.0006
0.215	3618	0.0002
0.220	3618	0.0000
0.225	3618	-.0002
0.230	3618	-.0006
0.235	3618	-.0008
0.240	3599	-.0010
0.245	3580	-.0012
0.250	3580	-.0015

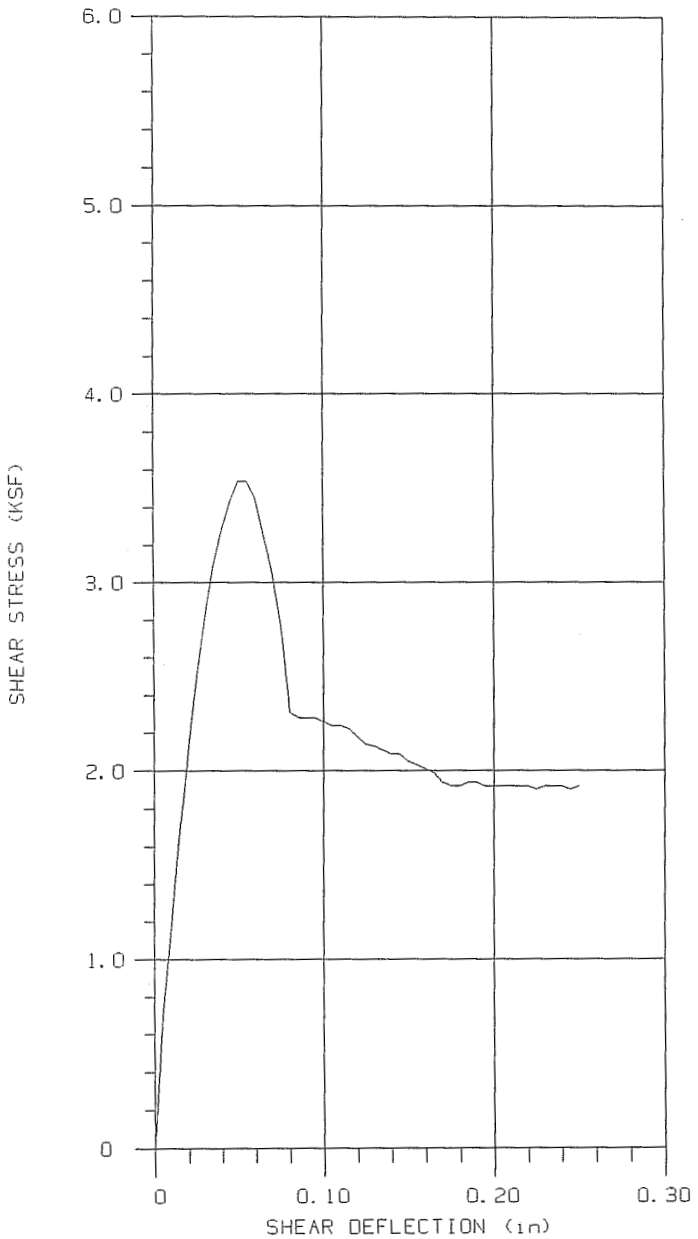
ass 1 completed with max load = 5147 psf at deflection of .0977 in

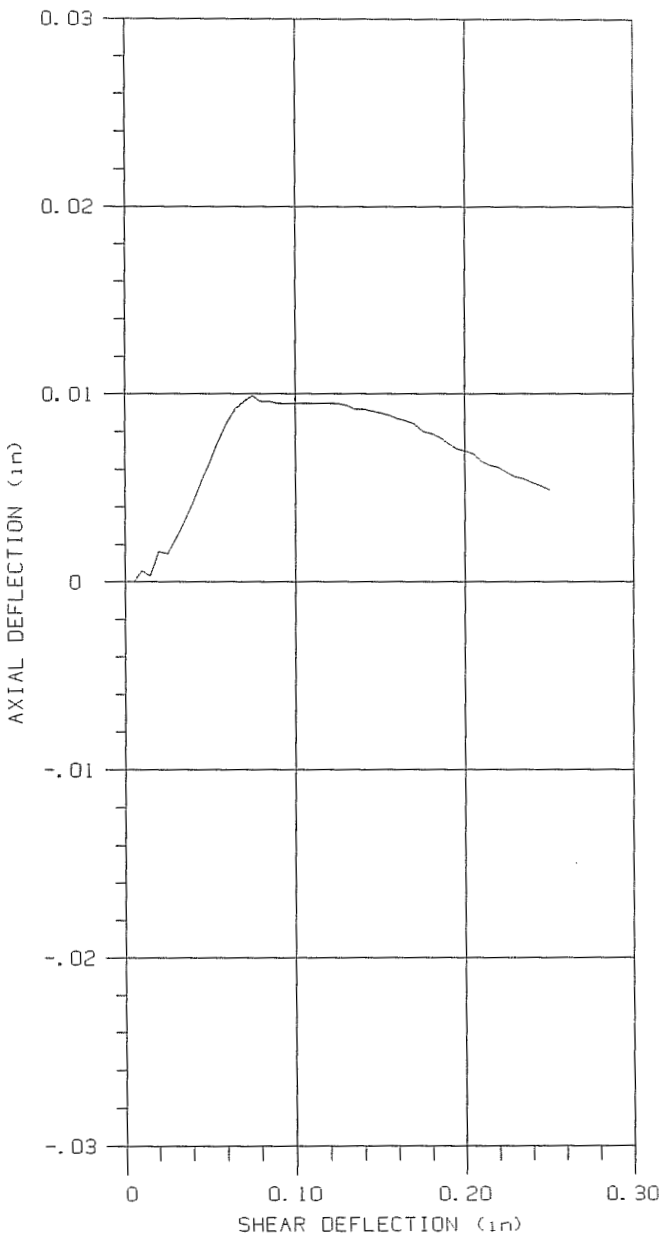
ADVANCED TERRA TESTING
Direct Shear Test

Client..... Tetra Tech
Location..... Rocky Flats OLF

Soil Type..... 114-181750
Depth..... 17.0 (ft)
Confining Pressure.. 2977 (psf)
Shear Rate..... .0020 (in/min)
Date Tested..... 04-30-2008

Job Number..... 2592-04
Sample Number... B Pt. B
Boring..... Tt-1
File Name..... ttdst17b.DAT
Tested By..... DPM





Pass Number and Line Type....	1 ———	2 - - - - - -	3 —— –	4 —— - - -
Maximum Shear Stress.....	3562	.0000	.0000	.0000
Shear Deflection @ Max Stress.	.0504	.0000	.0000	.0000

OMATIC Direct Shear Data

le Name.....ttdst17b.DAT
ient.....Tetra Tech
b Number....2592-04
cation.....Rocky Flats OLF
te.....04-30-2008
chnician....DPM
mple Diameter (in).....1.938
nfining Pressure (psf)..2977
mber of Passes.....1
ear Distance (in).....0.25
ear Rate (in/min).....0020
il Type.....114-181750
ring Number.....Tt-1
mple Number.....B Pt. B
pth (ft).....17.0

SHEAR EFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.005	690	0.0000
0.010	1138	0.0006
0.015	1678	0.0003
0.020	2126	0.0016
0.025	2499	0.0015
0.030	2797	0.0023
0.035	3077	0.0032
0.040	3282	0.0042
0.045	3431	0.0054
0.050	3543	0.0064
0.055	3543	0.0075
0.060	3450	0.0085
0.065	3245	0.0092
0.070	3040	0.0096
0.075	2760	0.0099
0.080	2312	0.0096
0.085	2275	0.0096
0.090	2275	0.0095
0.095	2275	0.0095
0.100	2256	0.0095
0.105	2238	0.0095
0.110	2238	0.0095
0.115	2219	0.0095
0.120	2182	0.0095
0.125	2144	0.0095
0.130	2126	0.0094
0.135	2107	0.0092
0.140	2089	0.0092
0.145	2089	0.0091
0.150	2051	0.0090
0.155	2033	0.0089
0.160	2014	0.0087
0.165	1995	0.0086
0.170	1939	0.0084
0.175	1921	0.0080

Continued next page.

ass 1 Continued

SHEAR DEFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.180	1921	0.0079
0.185	1939	0.0077
0.190	1939	0.0074
0.195	1921	0.0071
0.200	1921	0.0070
0.205	1921	0.0068
0.210	1921	0.0064
0.215	1921	0.0062
0.220	1921	0.0061
0.225	1902	0.0058
0.230	1921	0.0056
0.235	1921	0.0055
0.240	1921	0.0053
0.245	1902	0.0051
0.250	1921	0.0049

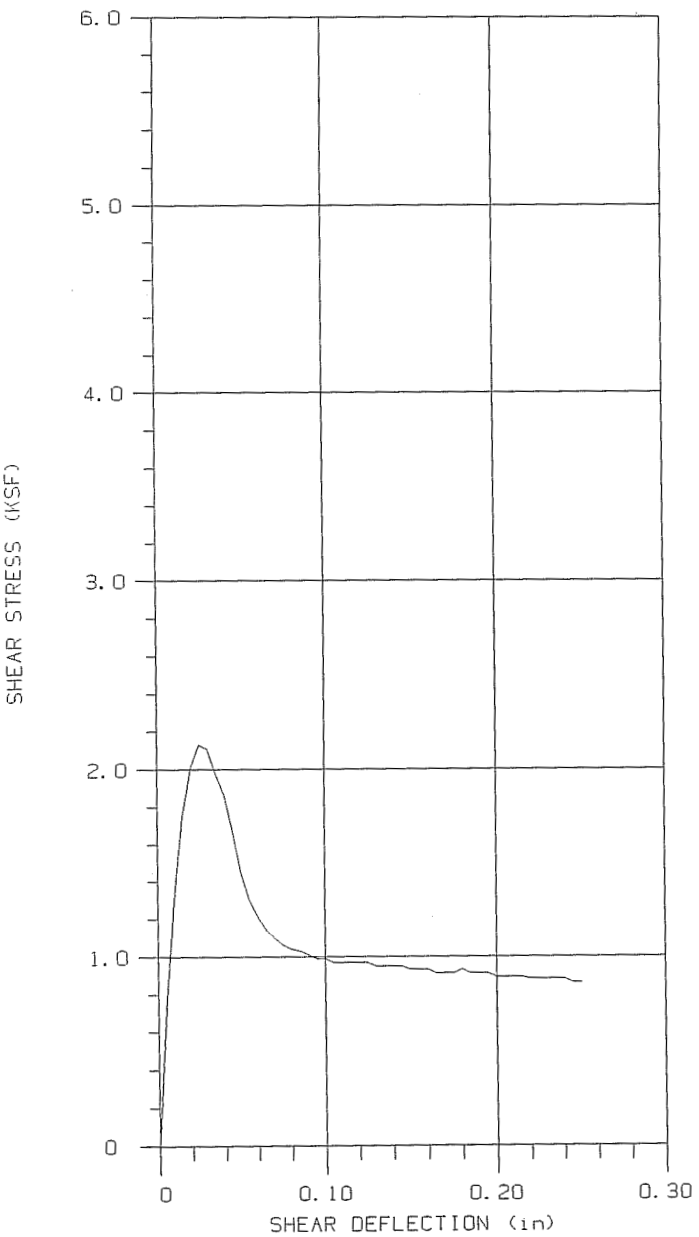
ass 1 completed with max load = 3562 psf at deflection of .0504 in

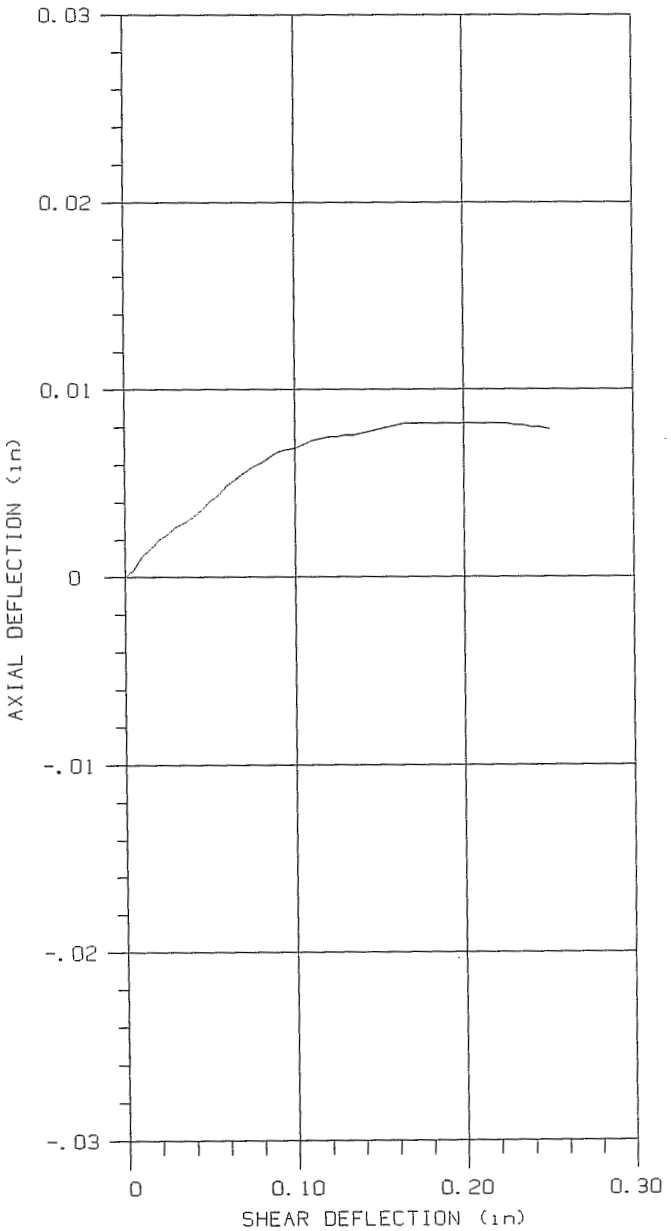
ADVANCED TERRA TESTING

Direct Shear Test

Client..... Tetra Tech
Location..... Rocky Flats OLF

Soil Type.....	114-181750	Job Number.....	2592-04
Depth.....	17.0 (ft)	Sample Number...	B Pt. C
Confining Pressure..	1469 (psf)	Boring.....	Tt-1
Shear Rate.....	.0020 (in/min)	File Name.....	ttdst17c.DAT
Date Tested.....	04-30-2008	Tested By.....	DPM





Pass Number and Line Type....	1 ———	2 - - - - - -	3 ——— -	4 ——— - - -
Maximum Shear Stress.....	2126	.0000	.0000	.0000
Shear Deflection @ Max Stress.	.0240	.0000	.0000	.0000

:OMATIC Direct Shear Data

.le Name.....ttdst17c.DAT
.ient.....Tetra Tech
ɔb Number....2592-04
ɔcation.....Rocky Flats OLF
ate.....04-30-2008
echnician....DPM
ample Diameter (in).....1.938
ɔnfining Pressure (psf)..1469
umber of Passes.....1
near Distance (in).....0.25
near Rate (in/min).....0020
ɔil Type.....114-181750
ɔring Number.....Tt-1
ample Number.....B Pt. C
epth (ft).....17.0

SHEAR EFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.005	783	0.0004
0.010	1343	0.0011
0.015	1753	0.0015
0.020	2014	0.0020
0.025	2126	0.0023
0.030	2107	0.0027
0.035	1977	0.0029
0.040	1865	0.0032
0.045	1660	0.0036
0.050	1436	0.0041
0.055	1305	0.0044
0.060	1212	0.0049
0.065	1138	0.0052
0.070	1100	0.0056
0.075	1063	0.0059
0.080	1044	0.0061
0.085	1026	0.0064
0.090	1007	0.0067
0.095	988	0.0068
0.100	988	0.0069
0.105	970	0.0071
0.110	970	0.0073
0.115	970	0.0074
0.120	970	0.0075
0.125	970	0.0075
0.130	951	0.0076
0.135	951	0.0076
0.140	951	0.0077
0.145	951	0.0078
0.150	932	0.0079
0.155	932	0.0080
0.160	932	0.0081
0.165	914	0.0082
0.170	914	0.0082
0.175	914	0.0082

Continued next page.

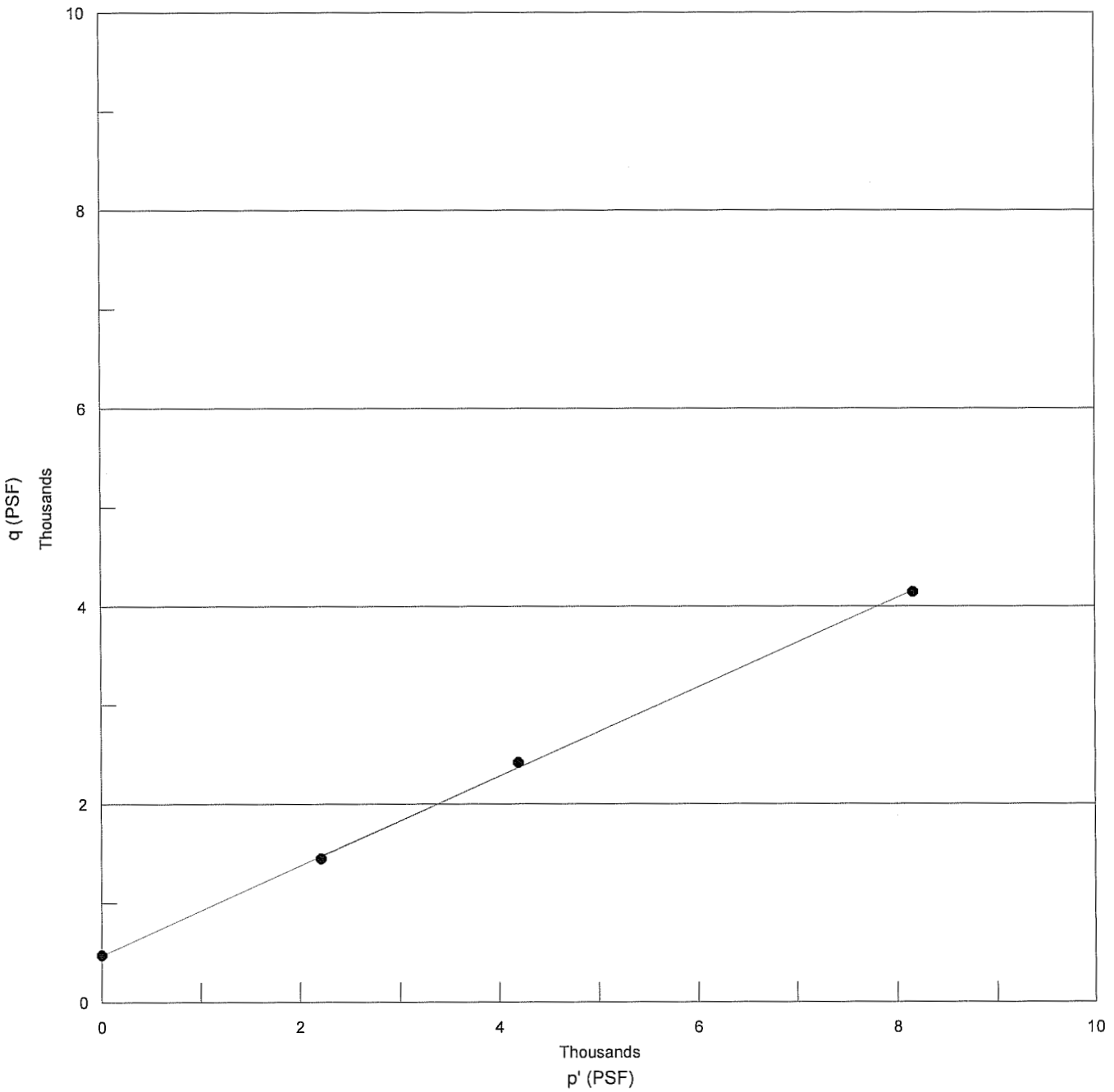
ss 1 Continued

SHEAR FLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.180	932	0.0082
0.185	914	0.0082
0.190	914	0.0082
0.195	914	0.0082
0.200	895	0.0082
0.205	895	0.0082
0.210	895	0.0082
0.215	895	0.0082
0.220	876	0.0082
0.225	876	0.0082
0.230	876	0.0081
0.235	876	0.0081
0.240	876	0.0080
0.245	858	0.0080
0.250	858	0.0079

ıss 1 completed with max load = 2126 psf at deflection of .0240 in

Effective Stress Path Analysis - p' q Regression Plot

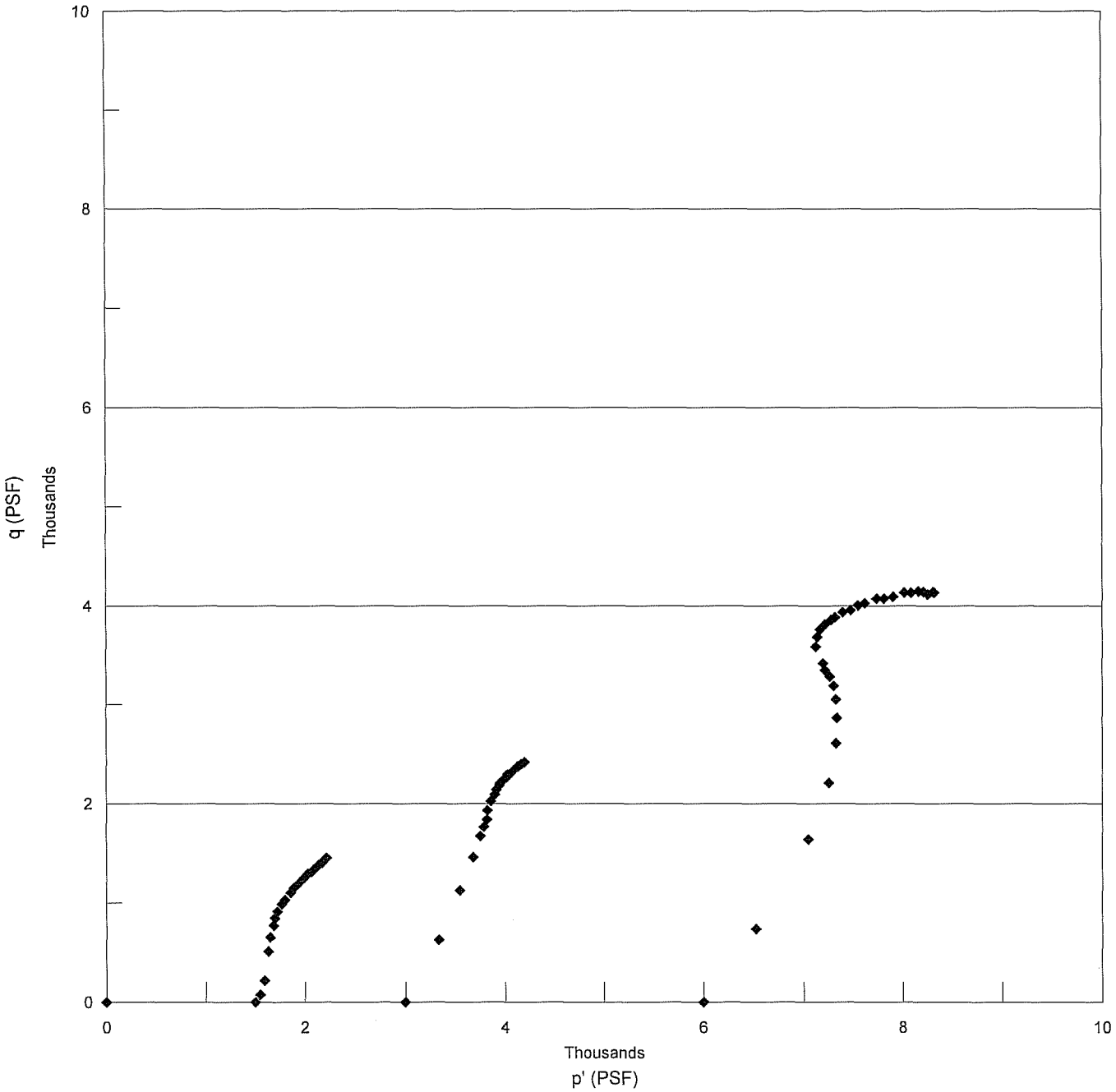
Tetra Tech MM (Fort Collins),Tt-4,10.0',Stage 1 of 3, B,Stage 2 of 3, B,Stage 3 of 3, B



● Shear Data – Best Fit Line Tau = 24.3 degrees a = 479.3 PSF

Effective Stress Path Analysis - p' q Plots

Tetra Tech MM (Fort Collins),Tt-4,10.0',Stage 1 of 3, B,Stage 2 of 3, B,Stage 3 of 3, B



◆ Stress Paths of Stages 1, 2, & 3, B

EFFECTIVE STRESS PATH ANALYSIS TEST DATA
ASTM D4767

CLIENT	Tetra Tech MM (Fort Collins)		
		JOB NO.	2592-04
BORING NO.	Tt-4		
DEPTH	10.0'	SAMPLED	03-29-08 JLR
SAMPLE NO.	Stages 1, 2 & 3, B	SATURATED TEST	Yes
SOIL DESCR.	#114-181750	TEST TYPE	TX/CUpp
LOCATION	Rocky Flats OLF		

				Peak Points p' PSF	Peak Points q PSF
CONF. PRES. PSF	STAGE 1,B	1500	STAGE 1,B	2213	1448
	STAGE 2,B	3000	STAGE 2,B	4195	2419
	STAGE 3,B	6000	STAGE 3,B	8160	4147

STAGE 1,B

σ 3' PSF	σ 1' PSF	p' PSF	q PSF
1500	1500	1500	0
1471	1616	1544	73
1370	1805	1588	218
1126	2140	1633	507
996	2298	1647	651
910	2452	1681	771
852	2537	1694	842
809	2636	1723	914
780	2750	1765	985
766	2829	1798	1032
751	2957	1854	1103
737	3036	1886	1150
737	3129	1933	1196
737	3223	1980	1243
737	3316	2026	1289
751	3375	2063	1312
751	3420	2086	1334
751	3512	2132	1381
766	3572	2169	1403
766	3616	2191	1425
766	3661	2213	1448

STAGE 2,B

σ 3' PSF	σ 1' PSF	p' PSF	q PSF
3000	3000	3000	0
2712	3957	3335	623
2424	4673	3548	1124
2222	5138	3680	1458
2078	5422	3750	1672
2021	5554	3787	1767
1978	5650	3814	1836
1891	5751	3821	1930
1834	5880	3857	2023
1805	5989	3897	2092
1776	6051	3914	2138
1762	6127	3944	2183
1747	6156	3951	2204
1747	6246	3997	2249
1747	6288	4018	2271
1733	6317	4025	2292
1747	6373	4060	2313
1747	6416	4082	2334
1747	6505	4126	2379
1762	6515	4138	2377
1762	6557	4159	2398
1776	6613	4195	2419

STAGE 3,B

σ 3' PSF	σ 1' PSF	p' PSF	q PSF
6000	6000	6000	0
5784	7258	6521	737
5410	8687	7048	1639
5050	9462	7256	2206
4718	9932	7325	2607
4474	10203	7338	2865
4272	10374	7323	3051
4114	10493	7303	3190
3984	10546	7265	3281
3869	10566	7217	3348
3782	10614	7198	3416
3538	10710	7124	3586
3451	10820	7136	3685
3408	10925	7167	3759
3408	11025	7217	3809
3422	11138	7280	3858
3437	11204	7320	3884
3466	11329	7397	3932
3523	11436	7479	3956
3552	11558	7555	4003
3595	11648	7622	4027
3667	11812	7740	4072
3739	11884	7812	4072
3811	11998	7904	4093
3883	12151	8017	4134
3955	12216	8086	4131
4013	12307	8160	4147
4070	12353	8212	4141
4142	12371	8257	4114
4171	12445	8308	4137
4186	12450	8318	4132

Data entry by: SR Date: 05/05/2008
Data checked by: ae Date: 5/6/08
FileName: TTT0TT4

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-4	SAMPLED	03-29-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 1 of 3, B	TEST FINISHED	05-02-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	16S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	1500

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER CONSOL
Wt. Soil + Moisture (g)	408.9	406.6
Wt. Wet Soil & Pan (g)	417.0	414.8
Wt. Dry Soil & Pan (g)	351.7	351.7
Wt. Lost Moisture (g)	65.4	63.1
Wt. of Pan Only (g)	8.2	8.2
Wt. of Dry Soil (g)	343.5	343.5
Moisture Content %	19.0	18.4
Wet Density PCF	131.9	130.8
Dry Density PCF	110.8	110.5

Init. Diameter (in)	1.939
Init. Area (sq in)	2.953
Init. Height (in)	4.000
Vol. Bef. Consol. (cu ft)	0.00684
Vol. After Consol. (cu ft)	0.00685

Notes & Comments:

Data entry by: SR Date: 05/05/2008
Data checked by: cal Date: 5/6/08
FileName: TTTOTT4

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-4	SAMPLED	03-29-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 1 of 3, B	TEST FINISHED	05-02-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	16S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	1500

SATURATION DATA

Cell Pres. (PSI)	Back Pres. (PSI)	Burette Reading (CC)		Pore Pressure (PSI)		Change	B
		Close	Open	Close	Open		
40.0	38.0	1.6	8.0				
50.0	48.0	8.6	9.5	38.5	47.7	9.2	0.92
60.0	58.0	9.7	10.5	48.4	57.8	9.4	0.94
70.0		10.3	10.3	58.5	68.2	9.7	0.97

CONSOLIDATION DATA

Elapsed Time (Min)	SQRT TIME (Min)	Burette Reading (CC)	Vol. Defl. (CC)
0.00	0.0	10.3	0.00
0.25	0.5	11.4	-1.05
0.50	0.7	11.5	-1.15
1	1.0	11.5	-1.20
2	1.4	11.7	-1.40
4	2.0	11.9	-1.55
9	3.0	12.1	-1.80
16	4.0	12.4	-2.10
30	5.5	12.7	-2.40
60	7.7	13.1	-2.80
120	11.0	13.5	-3.20
240	15.5	13.7	-3.40
360	19.0	13.8	-3.50

Initial Height (in)	4.000	Init. Vol. (CC)	193.59
Height Change (in)	0.016	Vol. Change (CC)	13.20
Ht. After Cons. (in)	3.984	Cell Exp. (CC)	13.74
Initial Area (sq in)	2.953	Net Change (CC)	-0.54
Area After Cons. (sq in)	2.973	Cons. Vol. (CC)	194.14

Data entry by: SR Date: 05/05/2008
Data checked by: ae Date: 5/6/08
FileName: TTT0TT4

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA

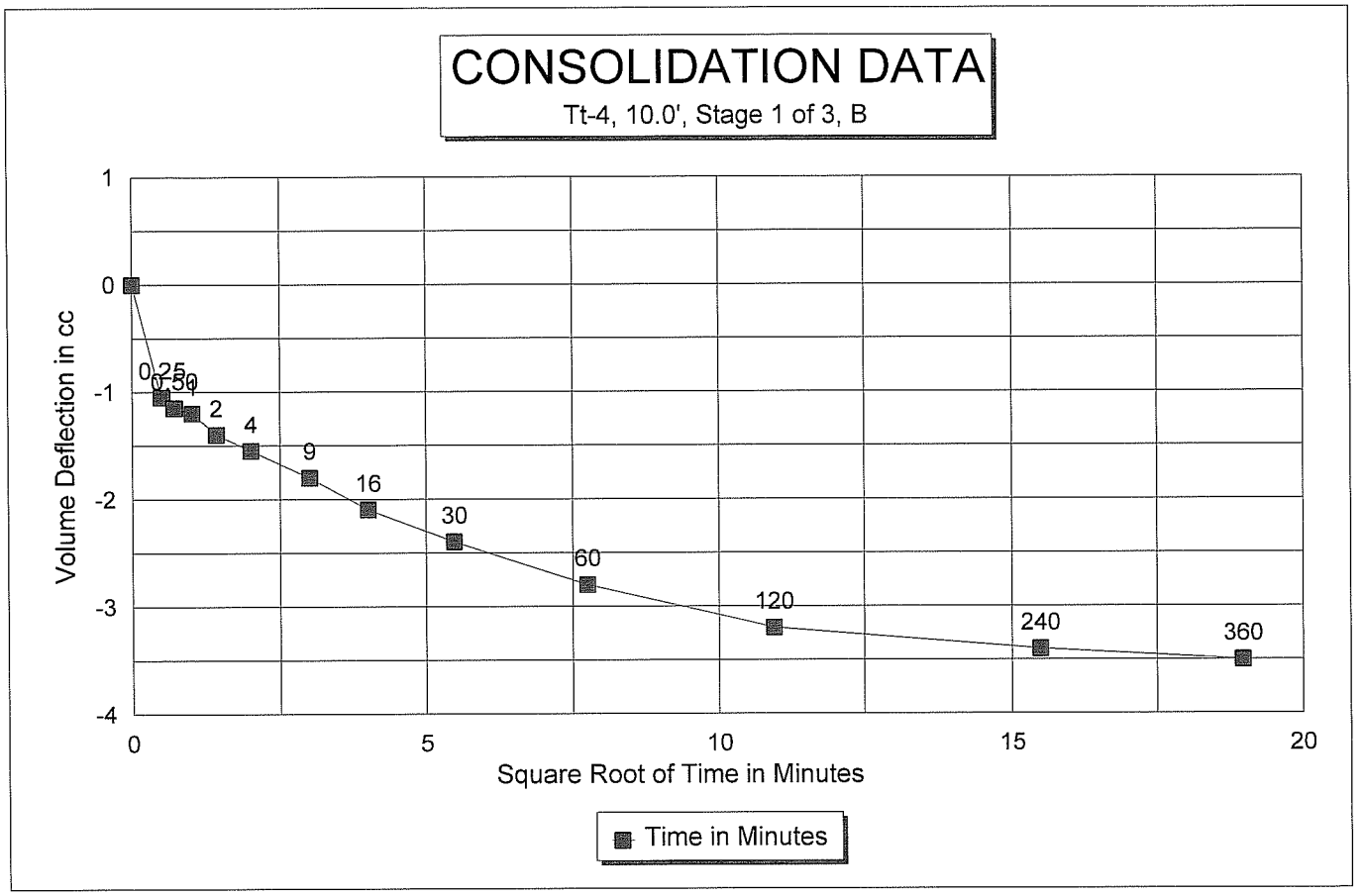
CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-4	SAMPLED	03-29-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 1 of 3, B	TEST FINISHED	05-02-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	16S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	1500

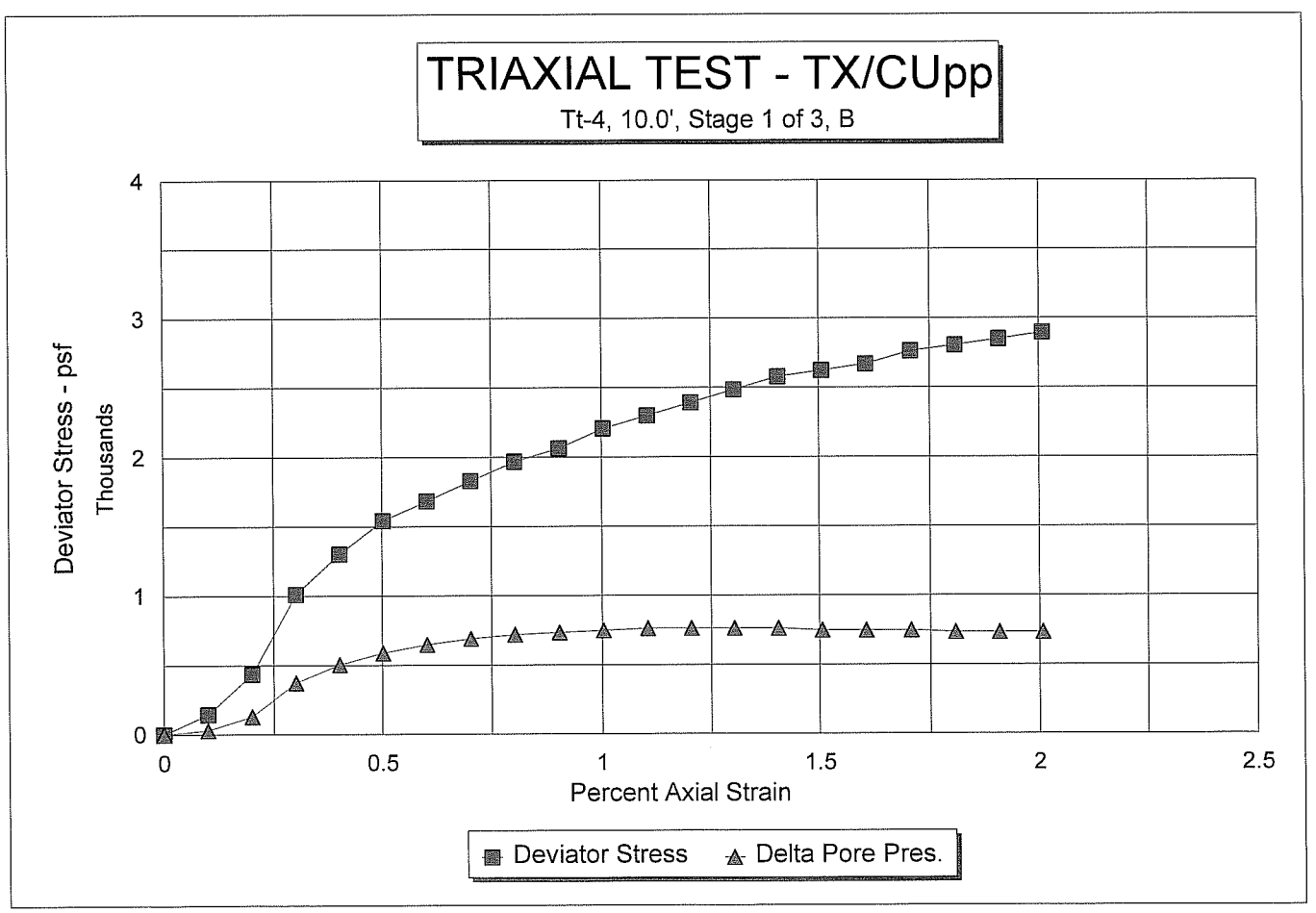
Init. Ht. (in)	4.000	Init. Area (sq in)	2.953
Consol. Ht. (in)	3.984	Consol. Area (sq in)	2.973
Back Pres. PSI	58.8	Strain Rate (in/min)	0.002

Axial Load Lbs.	Axial Load PSF	Delta Ht. In.	Axial % Strain	Area Final Sq In.	Dev. Stress PSF	Pore Pres. PSI	Delta Pres. PSF	σ 3' PSF	σ 1' PSF	Prin. Stress Ratio
0.0	0	0.00	0.00	2.973	0	58.8	0	1500	1500	1.00
3.0	145	0.004	0.10	2.976	145	59.0	29	1471	1616	1.10
9.0	436	0.008	0.20	2.979	435	59.7	130	1370	1805	1.32
21.0	1017	0.012	0.30	2.982	1014	61.4	374	1126	2140	1.90
27.0	1308	0.016	0.40	2.985	1302	62.3	504	996	2298	2.31
32.0	1550	0.020	0.50	2.988	1542	62.9	590	910	2452	2.70
35.0	1695	0.024	0.60	2.991	1685	63.3	648	852	2537	2.98
38.0	1841	0.028	0.70	2.994	1828	63.6	691	809	2636	3.26
41.0	1986	0.032	0.80	2.997	1970	63.8	720	780	2750	3.53
43.0	2083	0.036	0.90	3.000	2064	63.9	734	766	2829	3.70
46.0	2228	0.040	1.00	3.003	2206	64.0	749	751	2957	3.94
48.0	2325	0.044	1.10	3.006	2299	64.1	763	737	3036	4.12
50.0	2422	0.048	1.20	3.009	2393	64.1	763	737	3129	4.25
52.0	2519	0.052	1.31	3.012	2486	64.1	763	737	3223	4.37
54.0	2615	0.056	1.41	3.015	2579	64.1	763	737	3316	4.50
55.0	2664	0.060	1.51	3.019	2624	64.0	749	751	3375	4.49
56.0	2712	0.064	1.61	3.022	2669	64.0	749	751	3420	4.55
58.0	2809	0.068	1.71	3.025	2761	64.0	749	751	3512	4.68
59.0	2858	0.072	1.81	3.028	2806	63.9	734	766	3572	4.67
60.0	2906	0.076	1.91	3.031	2851	63.9	734	766	3616	4.72
61.0	2955	0.080	2.01	3.034	2895	63.9	734	766	3661	4.78

Data entry by: SR Date: 05/05/2008
Data checked by: cw Date: 5/6/08
FileName: TTT0TT4

ADVANCED TERRA TESTING, INC. ATT


CONSOLIDATION DATA
Tt-4, 10.0', Stage 1 of 3, B
Volume Deflection in cc
1
0
-1
-2
-3
-4
0
5
10
15
20
Square Root of Time in Minutes
0.25
0.50
1
2
4
9
16
30
60
120
240
360
Time in Minutes


TRIAXIAL TEST - TX/CUpp
Tt-4, 10.0', Stage 1 of 3, B
Deviator Stress - psf
Thousands
4
3
2
1
0
0
0.5
1
1.5
2
2.5
Percent Axial Strain
Deviator Stress
Delta Pore Pres.

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT Tetra Tech MM (Fort Collins)

JOB NO. 2592-04

BORING NO.	Tt-4	SAMPLED	03-29-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 2 of 3, B	TEST FINISHED	05-02-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	16S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	3000

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER CONSOL
Wt. Soil + Moisture (g)	408.9	406.6
Wt. Wet Soil & Pan (g)	417.0	414.8
Wt. Dry Soil & Pan (g)	351.7	351.7
Wt. Lost Moisture (g)	65.4	63.1
Wt. of Pan Only (g)	8.2	8.2
Wt. of Dry Soil (g)	343.5	343.5
Moisture Content %	19.0	18.4
Wet Density PCF	131.5	131.8
Dry Density PCF	110.5	111.4

Init. Diameter (in)	1.965
Init. Area (sq in)	3.034
Init. Height (in)	3.904
Vol. Bef. Consol. (cu ft)	0.00685
Vol. After Consol. (cu ft)	0.00680

Notes & Comments:

Data entry by: SR Date: 05/05/2008
Data checked by: CAL Date: 5/6/08
FileName: TTT0TT4

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT Tetra Tech MM (Fort Collins) JOB NO. 2592-04

BORING NO.	Tt-4	SAMPLED	03-29-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 2 of 3, B	TEST FINISHED	05-02-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	16S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	3000

CONSOLIDATION DATA

Elapsed Time (Min)	SQRT TIME (Min)	Burette Reading (CC)	Vol. Defl. (CC)
0.00	0.0	15.8	0.00
0.25	0.5	16.6	-0.75
0.5	0.7	16.6	-0.80
1	1.0	16.7	-0.85
2	1.4	16.8	-1.00
4	2.0	16.9	-1.05
9	3.0	17.0	-1.20
16	4.0	17.2	-1.40
30	5.5	17.4	-1.60
60	7.7	17.7	-1.90
120	11.0	17.9	-2.10
240	15.5	18.0	-2.20
360	19.0	18.1	-2.30

Initial Height (in)	3.904	Init. Vol. (CC)	194.14
Height Change (in)	-0.008	Vol. Change (CC)	2.50
Ht. After Cons. (in)	3.912	Cell Exp. (CC)	0.95
Initial Area (sq in)	3.034	Net Change (CC)	1.55
Area After Cons. (sq in)	3.004	Cons. Vol. (CC)	192.58

Data entry by: SR Date: 05/05/2008
Data checked by: cal Date: 5/6/08
FileName: TTT0TT4

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

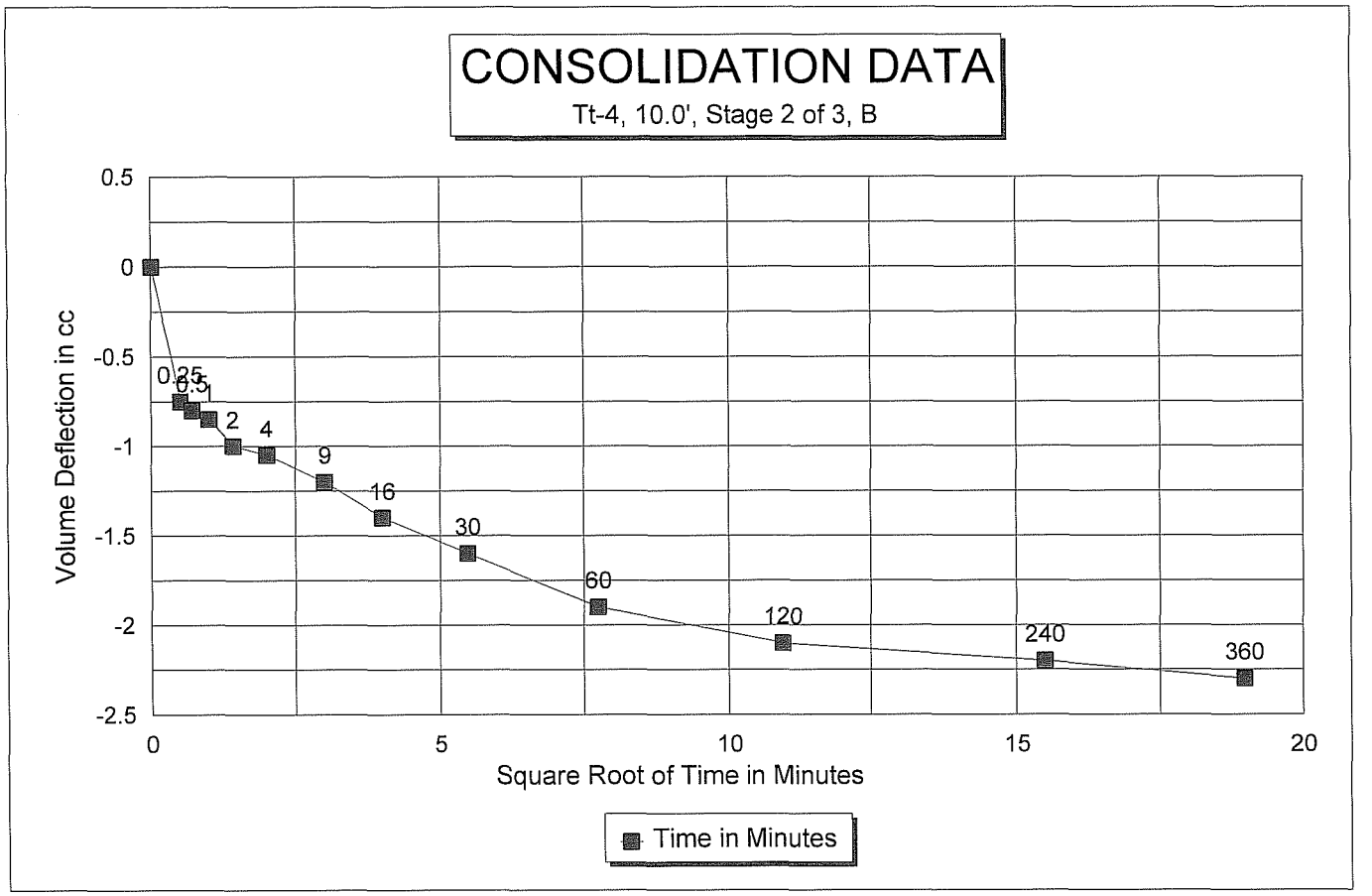
CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-4	SAMPLED	03-29-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 2 of 3, B	TEST FINISHED	05-02-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	16S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	3000

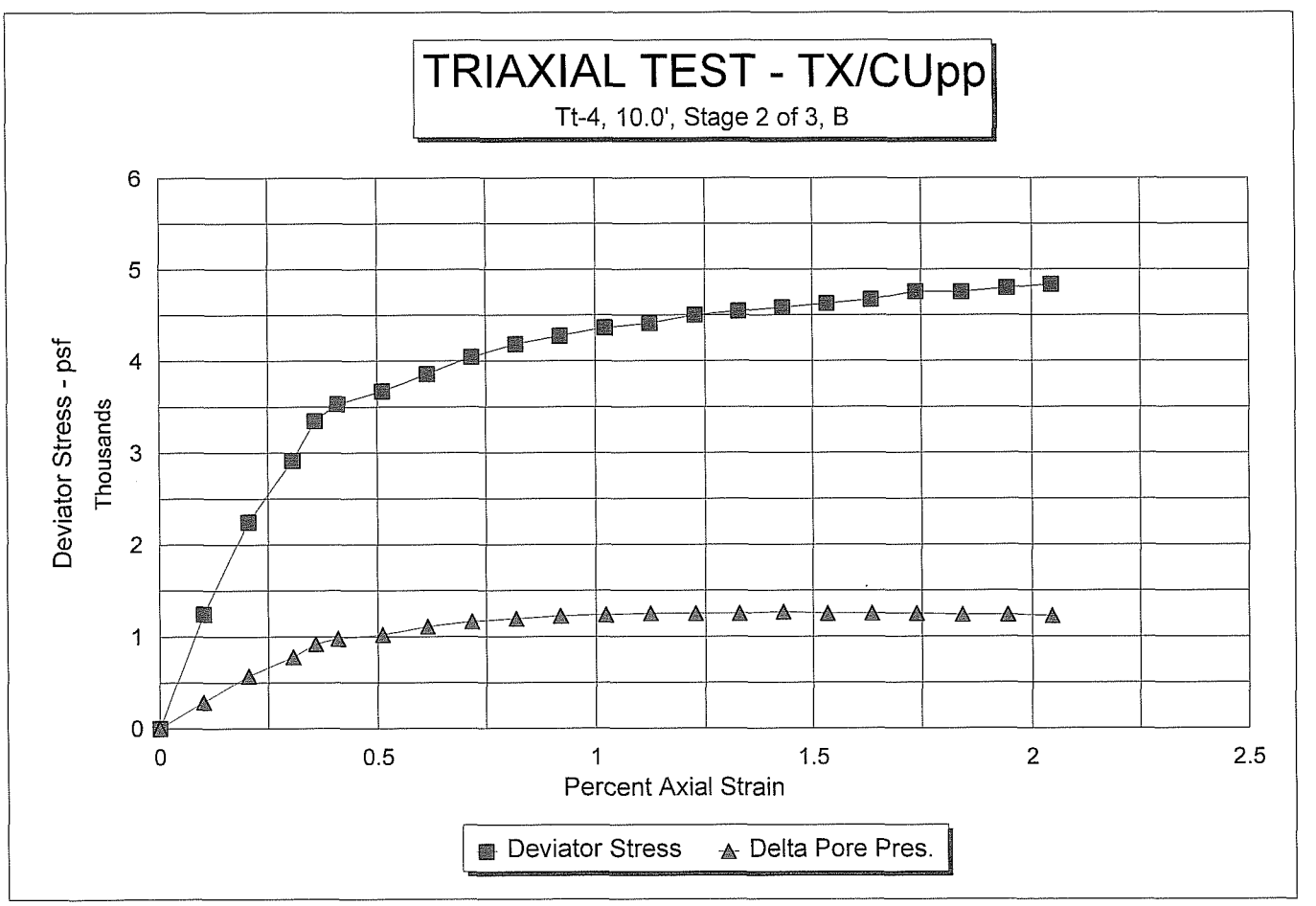
Init. Ht. (in)	3.904	Init. Area (sq in)	3.034
Consol. Ht. (in)	3.912	Consol. Area (sq in)	3.004
Back Pres. PSI	58.5	Strain Rate (in/min)	0.002

Axial Load Lbs.	Axial Load PSF	Delta Ht. In.	Axial % Strain	Area Final Sq In.	Dev. Stress PSF	Pore Pres. PSI	Delta Pres. PSF	σ 3' PSF	σ 1' PSF	Prin. Stress Ratio
0.0	0	0.00	0.00	3.004	0	58.5	0	3000	3000	1.00
26.0	1246	0.004	0.10	3.007	1245	60.5	288	2712	3957	1.46
47.0	2253	0.008	0.20	3.010	2249	62.5	576	2424	4673	1.93
61.0	2924	0.012	0.31	3.013	2916	63.9	778	2222	5138	2.31
70.0	3356	0.014	0.36	3.014	3344	64.9	922	2078	5422	2.61
74.0	3548	0.016	0.41	3.016	3533	65.3	979	2021	5554	2.75
77.0	3692	0.020	0.51	3.019	3673	65.6	1022	1978	5650	2.86
81.0	3883	0.024	0.61	3.022	3859	66.2	1109	1891	5751	3.04
85.0	4075	0.028	0.72	3.025	4046	66.6	1166	1834	5880	3.21
88.0	4219	0.032	0.82	3.028	4184	66.8	1195	1805	5989	3.32
90.0	4315	0.036	0.92	3.032	4275	67.0	1224	1776	6051	3.41
92.0	4411	0.040	1.02	3.035	4366	67.1	1238	1762	6127	3.48
93.0	4459	0.044	1.12	3.038	4408	67.2	1253	1747	6156	3.52
95.0	4555	0.048	1.23	3.041	4499	67.2	1253	1747	6246	3.57
96.0	4602	0.052	1.33	3.044	4541	67.2	1253	1747	6288	3.60
97.0	4650	0.056	1.43	3.047	4584	67.3	1267	1733	6317	3.65
98.0	4698	0.060	1.53	3.050	4626	67.2	1253	1747	6373	3.65
99.0	4746	0.064	1.64	3.054	4669	67.2	1253	1747	6416	3.67
101.0	4842	0.068	1.74	3.057	4758	67.2	1253	1747	6505	3.72
101.0	4842	0.072	1.84	3.060	4753	67.1	1238	1762	6515	3.70
102.0	4890	0.076	1.94	3.063	4795	67.1	1238	1762	6557	3.72
103.0	4938	0.080	2.04	3.066	4837	67.0	1224	1776	6613	3.72

Data entry by: SR Date: 05/05/2008
Data checked by: ce Date: 5/6/08
FileName: TTT0TT4

ADVANCED TERRA TESTING, INC. ATT


CONSOLIDATION DATA
Tt-4, 10.0', Stage 2 of 3, B
Volume Deflection in cc
0.5
0
-0.5
-1
-1.5
-2
-2.5
0.25
0.5
1
2
4
9
16
30
60
120
240
360
0
5
10
15
20
Square Root of Time in Minutes
Time in Minutes


TRIAXIAL TEST - TX/CUpp
Tt-4, 10.0', Stage 2 of 3, B
Deviator Stress - psf
Thousands
6
5
4
3
2
1
0
0
0.5
1
1.5
2
2.5
Percent Axial Strain
Deviator Stress
Delta Pore Pres.

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-4	SAMPLED	03-29-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 3 of 3, B	TEST FINISHED	05-02-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	16S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	6000

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER CONSOL
Wt. Soil + Moisture (g)	408.9	406.6
Wt. Wet Soil & Pan (g)	417.0	414.8
Wt. Dry Soil & Pan (g)	351.7	351.7
Wt. Lost Moisture (g)	65.4	63.1
Wt. of Pan Only (g)	8.2	8.2
Wt. of Dry Soil (g)	343.5	343.5
Moisture Content %	19.0	18.4
Wet Density PCF	132.6	133.3
Dry Density PCF	111.4	112.6

Init. Diameter (in)	1.976
Init. Area (sq in)	3.066
Init. Height (in)	3.832
Vol. Bef. Consol. (cu ft)	0.00680
Vol. After Consol. (cu ft)	0.00672

Notes & Comments:

Data entry by: SR Date: 05/05/2008
Data checked by: ce Date: 5/6/08
FileName: TTT0TT4

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-4	SAMPLED	03-29-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 3 of 3, B	TEST FINISHED	05-02-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	16S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	6000

CONSOLIDATION DATA

Elapsed Time (Min)	SQRT TIME (Min)	Burette Reading (CC)	Vol. Defl. (CC)
0.00	0.0	19.20	0.00
0.25	0.5	20.60	-1.40
0.5	0.7	20.65	-1.45
1	1.0	20.70	-1.50
2	1.4	20.80	-1.60
4	2.0	20.90	-1.70
9	3.0	21.10	-1.90
16	4.0	21.30	-2.10
30	5.5	21.60	-2.40
60	7.7	21.90	-2.70
120	11.0	22.30	-3.10
240	15.5	22.60	-3.40
360	19.0	22.60	-3.40

Initial Height (in)	3.832	Init. Vol. (CC)	192.58
Height Change (in)	-0.007	Vol. Change (CC)	4.10
Ht. After Cons. (in)	3.839	Cell Exp. (CC)	1.91
Initial Area (sq in)	3.066	Net Change (CC)	2.19
Area After Cons. (sq in)	3.026	Cons. Vol. (CC)	190.39

Data entry by: SR Date: 05/05/2008
Data checked by: cae Date: 5/6/08
FileName: TTT0TT4

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

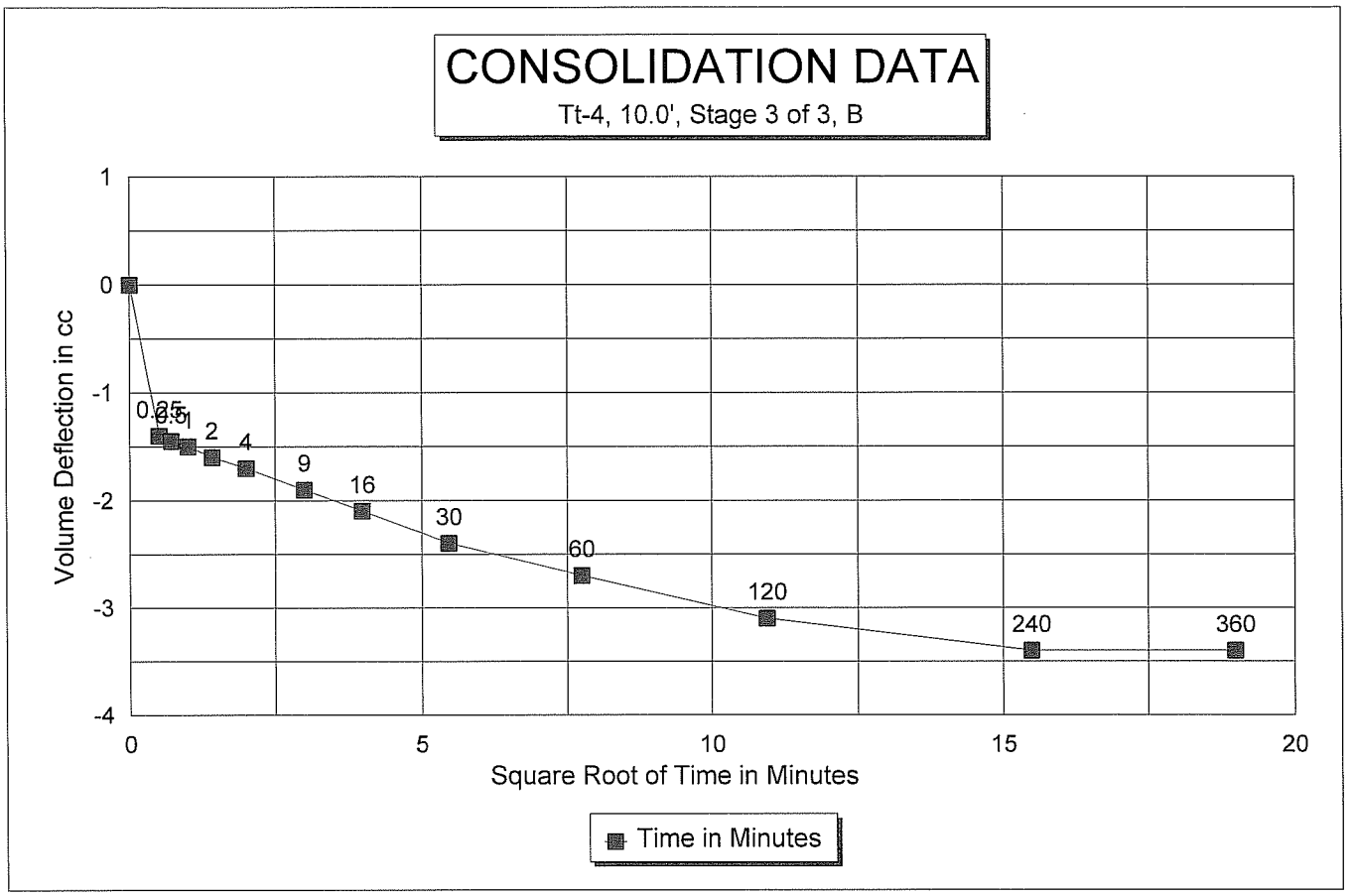
CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-4	SAMPLED	03-29-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 3 of 3, B	TEST FINISHED	05-02-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	16S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	6000

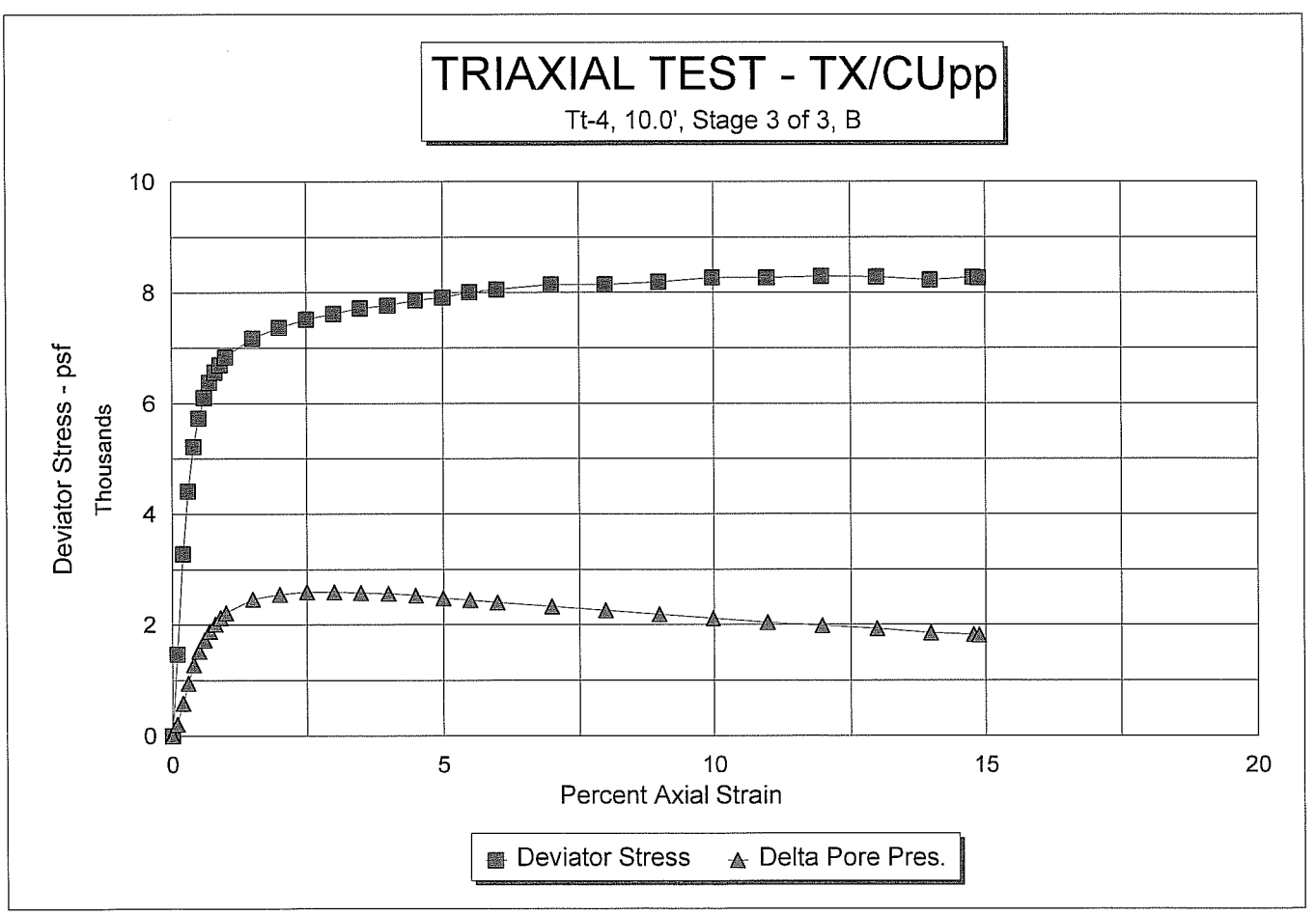
Init. Ht. (in)	3.832	Init. Area (sq in)	3.066
Consol. Ht. (in)	3.839	Consol. Area (sq in)	3.026
Back Pres. PSI	58.6	Strain Rate (in/min)	0.002

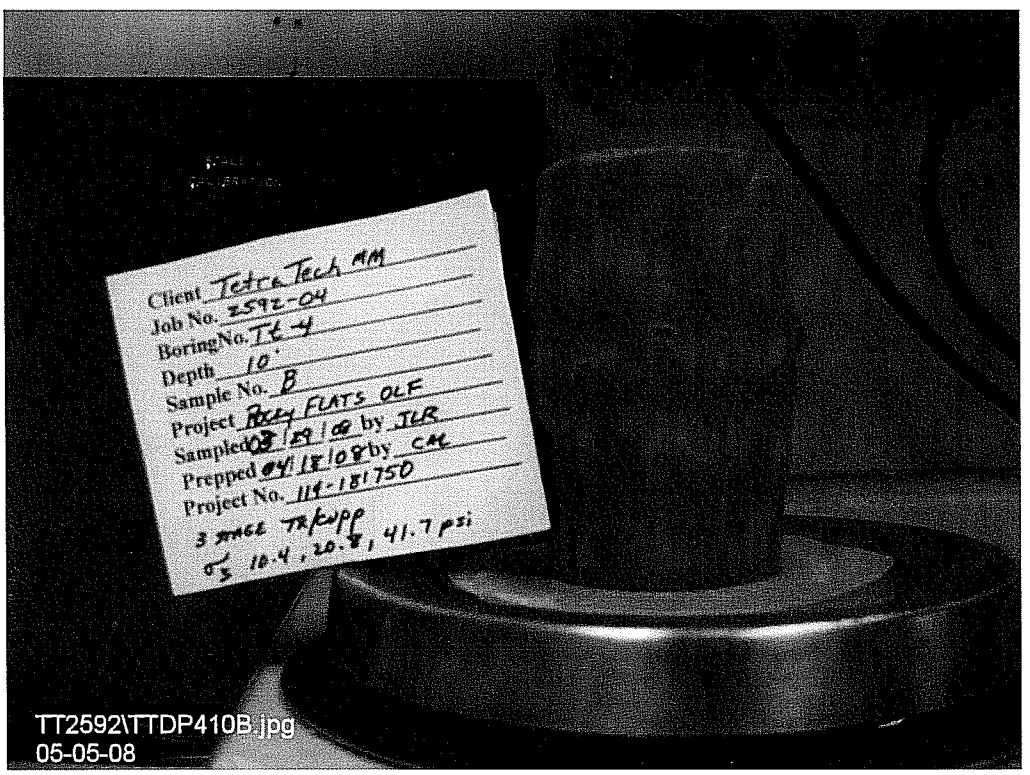
Axial Load Lbs.	Axial Load PSF	Delta Ht. In.	Axial % Strain	Area Final Sq In.	Dev. Stress PSF	Pore Pres. PSI	Delta Pres. PSF	σ 3' PSF	σ 1' PSF	Prin. Stress Ratio
0.0	0	0.00	0.00	3.026	0	58.6	0	6000	6000	1.00
31.0	1475	0.004	0.10	3.029	1474	60.1	216	5784	7258	1.25
69.0	3284	0.008	0.20	3.032	3277	62.7	590	5410	8687	1.61
93.0	4426	0.012	0.30	3.035	4413	65.2	950	5050	9462	1.87
110.0	5235	0.015	0.40	3.038	5214	67.5	1282	4718	9932	2.11
121.0	5758	0.019	0.50	3.041	5730	69.2	1526	4474	10203	2.28
129.0	6139	0.023	0.60	3.044	6102	70.6	1728	4272	10374	2.43
135.0	6425	0.027	0.70	3.047	6380	71.7	1886	4114	10493	2.55
139.0	6615	0.031	0.80	3.050	6562	72.6	2016	3984	10546	2.65
142.0	6758	0.035	0.90	3.053	6697	73.4	2131	3869	10566	2.73
145.0	6900	0.038	1.00	3.056	6832	74.0	2218	3782	10614	2.81
153.0	7281	0.058	1.50	3.072	7172	75.7	2462	3538	10710	3.03
158.0	7519	0.077	2.00	3.087	7369	76.3	2549	3451	10820	3.14
162.0	7709	0.096	2.50	3.103	7517	76.6	2592	3408	10925	3.21
165.0	7852	0.115	3.00	3.119	7617	76.6	2592	3408	11025	3.24
168.0	7995	0.134	3.49	3.135	7716	76.5	2578	3422	11138	3.25
170.0	8090	0.153	3.99	3.152	7767	76.4	2563	3437	11204	3.26
173.0	8233	0.172	4.49	3.168	7863	76.2	2534	3466	11329	3.27
175.0	8328	0.192	4.99	3.185	7912	75.8	2477	3523	11436	3.25
178.0	8471	0.211	5.49	3.202	8006	75.6	2448	3552	11558	3.25
180.0	8566	0.230	5.99	3.219	8053	75.3	2405	3595	11648	3.24
184.0	8756	0.268	6.99	3.253	8145	74.8	2333	3667	11812	3.22
186.0	8852	0.307	7.99	3.289	8145	74.3	2261	3739	11884	3.18
189.0	8994	0.345	8.98	3.325	8186	73.8	2189	3811	11998	3.15
193.0	9185	0.383	9.98	3.361	8268	73.3	2117	3883	12151	3.13
195.0	9280	0.422	10.98	3.399	8261	72.8	2045	3955	12216	3.09
198.0	9423	0.460	11.98	3.438	8294	72.4	1987	4013	12307	3.07
200.0	9518	0.498	12.98	3.477	8283	72.0	1930	4070	12353	3.03
201.0	9565	0.537	13.97	3.517	8229	71.5	1858	4142	12371	2.99
204.0	9708	0.567	14.77	3.550	8274	71.3	1829	4171	12445	2.98
204.0	9708	0.571	14.87	3.555	8264	71.2	1814	4186	12450	2.97

Data entry by: SR Date: 05/05/2008
Data checked by: ce Date: 5/6/08
FileName: TTT0TT4

ADVANCED TERRA TESTING, INC. ATT

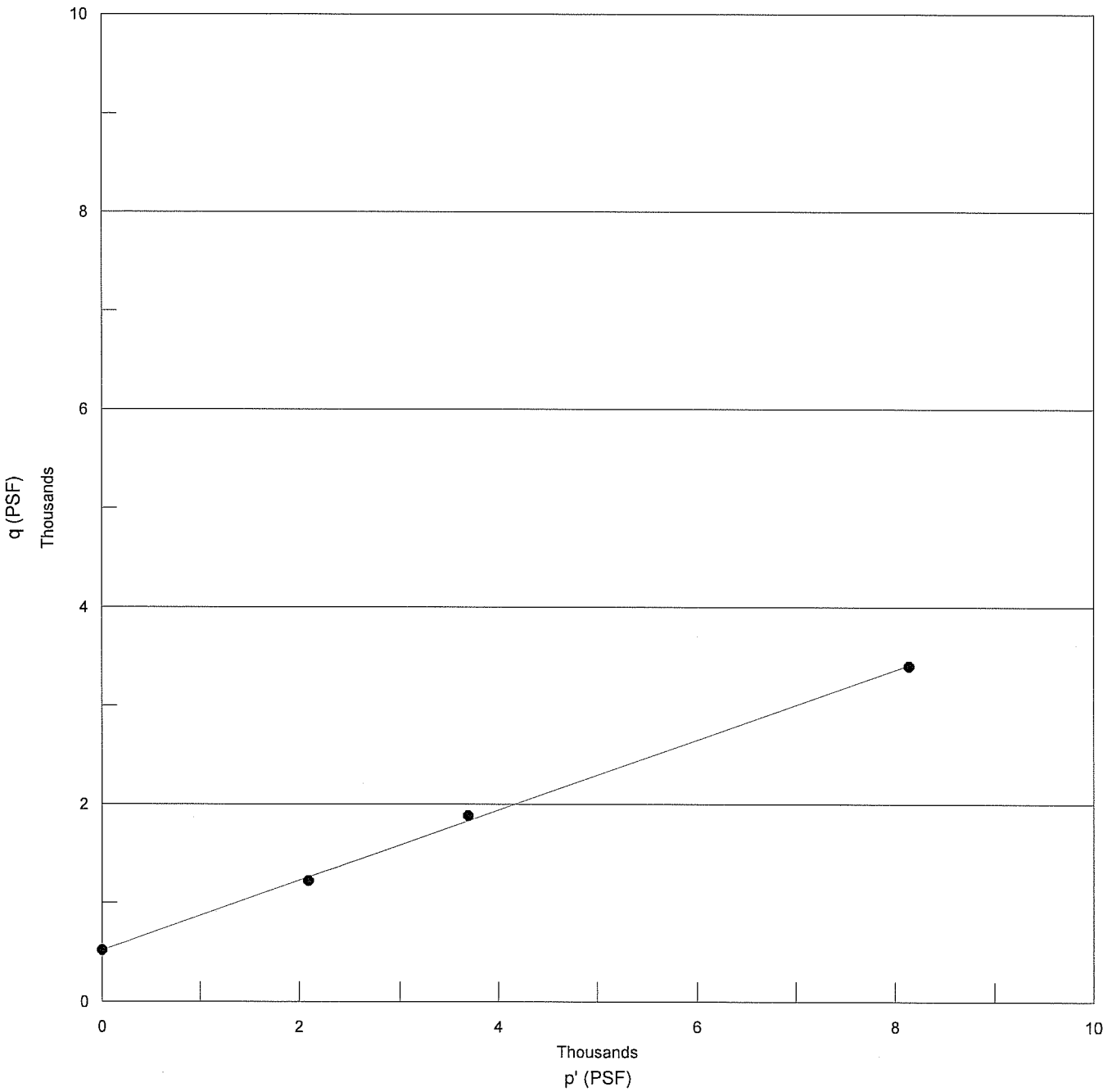

CONSOLIDATION DATA
Tt-4, 10.0', Stage 3 of 3, B
Volume Deflection in cc
1
0
-1
-2
-3
-4
0.25
0.5
1
2
4
9
16
30
60
120
240
360
0
5
10
15
20
Square Root of Time in Minutes
Time in Minutes


TRIAXIAL TEST - TX/CUpp
Tt-4, 10.0', Stage 3 of 3, B
Deviator Stress - psf
Thousands
10
8
6
4
2
0
0
5
10
15
20
Percent Axial Strain
Deviator Stress
Delta Pore Pres.


Client Tetra Tech MM
Job No. 2592-04
Boring No. TE-4
Depth 10'
Sample No. B
Project ROCKY FLATS OLF
Sampled 03/29/08 by JLR
Prepped 04/18/08 by CM
Project No. 114-181750
3 PHASE TX/KUPP
σ3 10.4, 20.8, 41.7 psi
TT2592\TTDP410B.jpg
05-05-08

Effective Stress Path Analysis - p' q Regression Plot

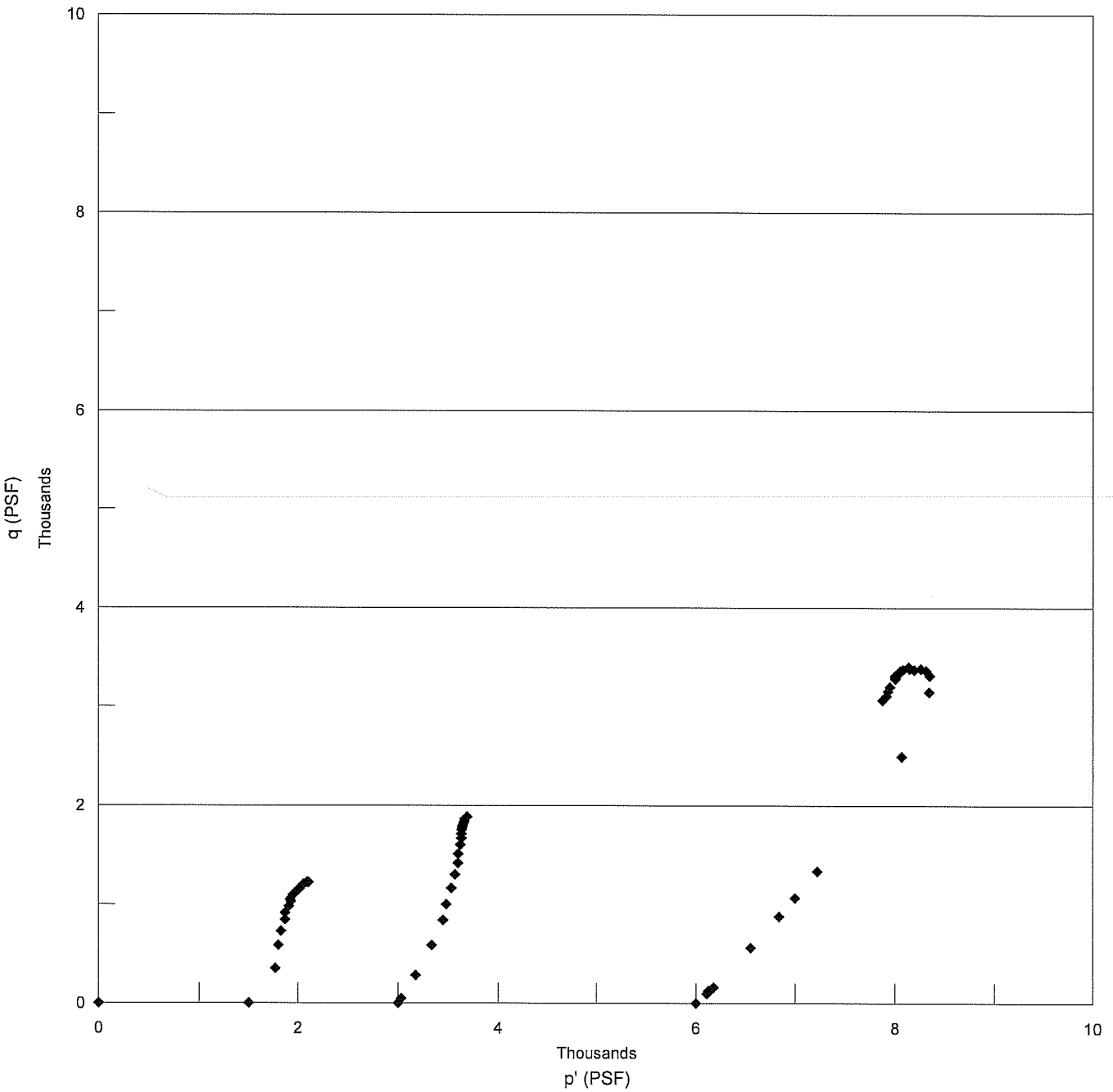
Tetra Tech MM (Fort Collins),Tt-7,10.0',Stage 1 of 3, A,Stage 2 of 3, A,Stage 3 of 3, A



● Shear Data – Best Fit Line Tau = 19.6 degrees a = 519.0 PSF

Effective Stress Path Analysis - p' q Plots

Tetra Tech MM (Fort Collins),Tt-7,10.0',Stage 1 of 3, A,Stage 2 of 3, A,Stage 3 of 3, A



◆ Stress Paths of Stages 1, 2, & 3, A

EFFECTIVE STRESS PATH ANALYSIS TEST DATA
ASTM D4767

CLIENT	Tetra Tech MM (Fort Collins)		
		JOB NO.	2592-04
BORING NO.	Tt-7		
DEPTH	10.0'	SAMPLED	04-08-08 JLR
SAMPLE NO.	Stages 1, 2 & 3, A	SATURATED TEST	Yes
SOIL DESCR.	#114-181750	TEST TYPE	TX/CUpp
LOCATION	Rocky Flats OLF		

				Peak Points p' PSF	Peak Points q PSF
CONF. PRES. PSF	STAGE 1, A	1500	STAGE 1, A	2093	1226
	STAGE 2, A	3000	STAGE 2, A	3690	1885
	STAGE 3, A	6000	STAGE 3, A	8136	3404

STAGE 1, A

σ 3' PSF	σ 1' PSF	p' PSF	q PSF
1500	1500	1500	0
1414	2119	1767	353
1212	2387	1800	588
1097	2553	1825	728
1025	2714	1869	844
953	2780	1867	914
924	2890	1907	983
895	2953	1924	1029
866	2969	1917	1051
852	3045	1948	1096
852	3090	1971	1119
852	3134	1993	1141
852	3178	2015	1163
852	3176	2014	1162
852	3220	2036	1184
852	3217	2035	1183
852	3261	2056	1204
866	3319	2093	1226
866	3317	2091	1225
881	3328	2105	1224
881	3326	2103	1222

STAGE 2, A

σ 3' PSF	σ 1' PSF	p' PSF	q PSF
3000	3000	3000	0
2986	3079	3032	47
2899	3461	3180	281
2755	3925	3340	585
2611	4293	3452	841
2482	4489	3485	1004
2366	4698	3532	1166
2266	4874	3570	1304
2179	5017	3598	1419
2093	5114	3603	1511
2021	5224	3623	1602
1963	5303	3633	1670
1920	5348	3634	1714
1877	5394	3635	1759
1862	5422	3642	1780
1848	5450	3649	1801
1834	5478	3656	1822
1819	5506	3663	1843
1805	5534	3669	1864
1805	5576	3690	1885
1805	5571	3688	1883

STAGE 3, A

σ 3' PSF	σ 1' PSF	p' PSF	q PSF
6000	6000	6000	0
6000	6253	6127	127
6014	6206	6110	96
6014	6230	6122	108
6014	6337	6176	161
5986	7111	6548	563
5957	7712	6834	878
5928	8065	6996	1068
5885	8556	7220	1336
5568	10563	8066	2498
5194	11489	8341	3148
5035	11660	8348	3312
4949	11672	8311	3362
4877	11639	8258	3381
4819	11565	8192	3373
4762	11529	8145	3384
4733	11540	8136	3404
4704	11457	8080	3376
4690	11411	8050	3361
4690	11365	8027	3338
4690	11314	8002	3312
4704	11331	8018	3314
4704	11298	8001	3297
4718	11286	8002	3284
4747	11149	7948	3201
4776	11086	7931	3155
4805	11022	7913	3108
4805	10941	7873	3068

Data entry by: SR Date: 05/07/2008
Data checked by: CLE Date: 5/7/08
FileName: TTT0TT7

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-7	SAMPLED	04-08-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 1 of 3, A	TEST FINISHED	05-06-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	13S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	1500

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER CONSOL
Wt. Soil + Moisture (g)	379.8	385.3
Wt. Wet Soil & Pan (g)	386.5	392.0
Wt. Dry Soil & Pan (g)	317.4	317.4
Wt. Lost Moisture (g)	69.1	74.6
Wt. of Pan Only (g)	6.8	6.8
Wt. of Dry Soil (g)	310.7	310.7
Moisture Content %	22.2	24.0
Wet Density PCF	128.1	123.9
Dry Density PCF	104.8	99.9

Init. Diameter (in)	1.928
Init. Area (sq in)	2.919
Init. Height (in)	3.867
Vol. Bef. Consol. (cu ft)	0.00653
Vol. After Consol. (cu ft)	0.00685

Notes & Comments:

Data entry by: SR Date: 05/07/2008
Data checked by: ae Date: 5/07/08
FileName: TTT0TT7

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-7	SAMPLED	04-08-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 1 of 3, A	TEST FINISHED	05-06-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	13S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	1500

SATURATION DATA

Cell Pres. (PSI)	Back Pres. (PSI)	Burette Reading (CC)		Pore Pressure (PSI)		Change	B
		Close	Open	Close	Open		
40.0	38.0	1.0	5.1				
50.0		-4.0	-3.9	38.1	47.6	9.5	0.95

CONSOLIDATION DATA

Elapsed Time (Min)	SQRT TIME (Min)	Burette Reading (CC)	Vol. Defl. (CC)
0.00	0.0	0.8	0.00
0.25	0.5	1.5	-0.70
0.50	0.7	1.6	-0.80
1	1.0	1.7	-0.90
2	1.4	1.8	-0.95
4	2.0	1.9	-1.10
9	3.0	2.1	-1.30
16	4.0	2.4	-1.60
30	5.5	2.7	-1.90
60	7.7	3.2	-2.40
120	11.0	3.8	-3.00
240	15.5	4.3	-3.50
360	19.0	4.6	-3.80

Initial Height (in)	3.867	Init. Vol. (CC)	185.04
Height Change (in)	-0.007	Vol. Change (CC)	-0.10
Ht. After Cons. (in)	3.874	Cell Exp. (CC)	8.97
Initial Area (sq in)	2.919	Net Change (CC)	-9.07
Area After Cons. (sq in)	3.057	Cons. Vol. (CC)	194.11

Data entry by: SR Date: 05/07/2008
Data checked by: ae Date: 5/07/08
FileName: TTT0TT7

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA

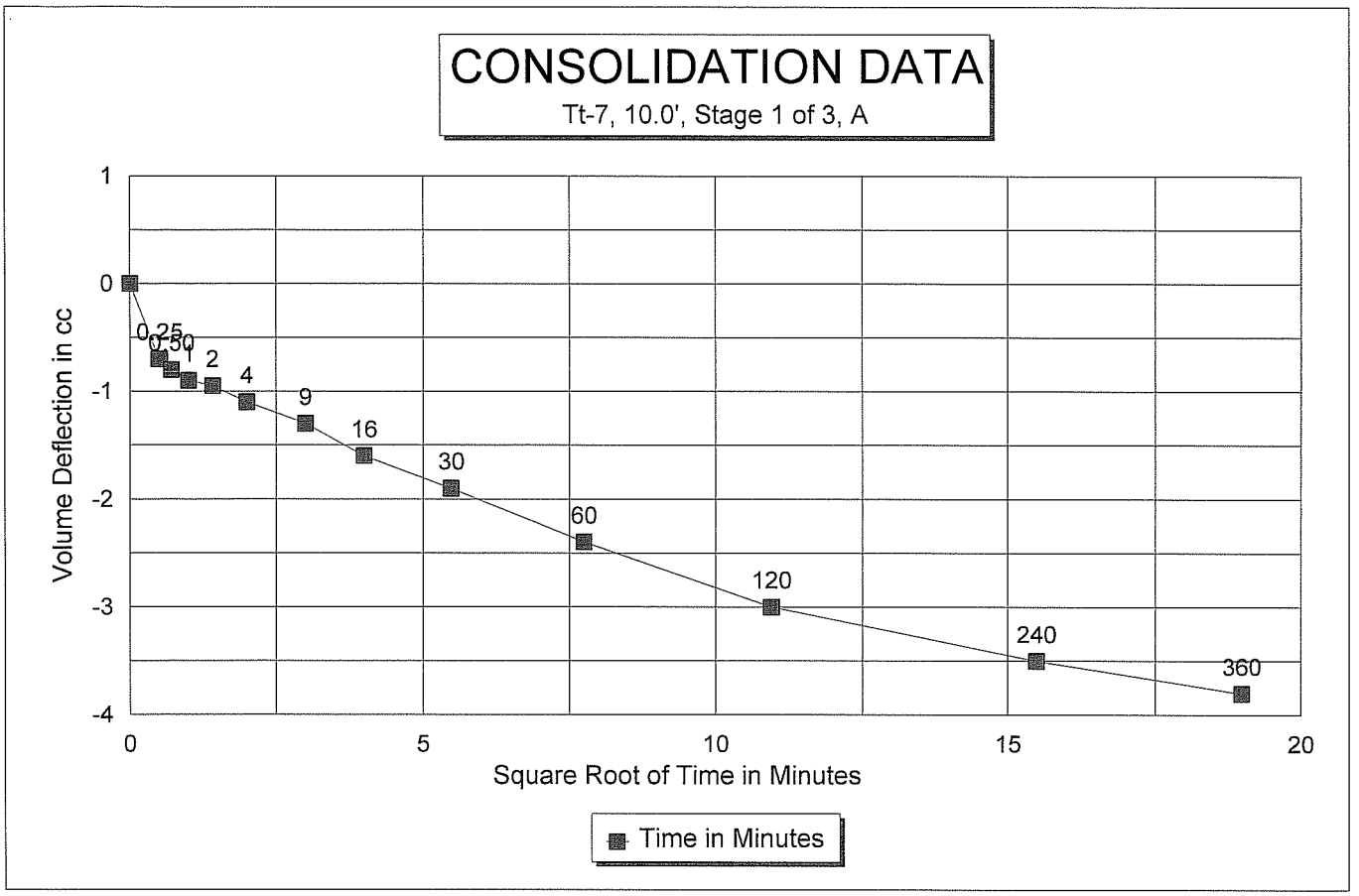
CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-7	SAMPLED	04-08-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 1 of 3, A	TEST FINISHED	05-06-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	13S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	1500

Init. Ht. (in)	3.867	Init. Area (sq in)	2.919
Consol. Ht. (in)	3.874	Consol. Area (sq in)	3.057
Back Pres. PSI	38.8	Strain Rate (in/min)	0.001

Axial Load Lbs.	Axial Load PSF	Delta Ht. In.	Axial % Strain	Area Final Sq In.	Dev. Stress PSF	Pore Pres. PSI	Delta Pres. PSF	σ 3' PSF	σ 1' PSF	Prin. Stress Ratio
0.0	0	0.00	0.00	3.057	0	38.8	0	1500	1500	1.00
15.0	707	0.004	0.10	3.060	706	39.4	86	1414	2119	1.50
25.0	1178	0.008	0.21	3.063	1175	40.8	288	1212	2387	1.97
31.0	1460	0.012	0.31	3.067	1456	41.6	403	1097	2553	2.33
36.0	1696	0.016	0.41	3.070	1689	42.1	475	1025	2714	2.65
39.0	1837	0.020	0.52	3.073	1828	42.6	547	953	2780	2.92
42.0	1978	0.024	0.62	3.076	1966	42.8	576	924	2890	3.13
44.0	2073	0.028	0.72	3.079	2058	43.0	605	895	2953	3.30
45.0	2120	0.032	0.83	3.083	2102	43.2	634	866	2969	3.43
47.0	2214	0.037	0.95	3.086	2193	43.3	648	852	3045	3.57
48.0	2261	0.040	1.03	3.089	2238	43.3	648	852	3090	3.63
49.0	2308	0.044	1.14	3.092	2282	43.3	648	852	3134	3.68
50.0	2355	0.048	1.24	3.095	2326	43.3	648	852	3178	3.73
50.0	2355	0.052	1.34	3.099	2324	43.3	648	852	3176	3.73
51.0	2402	0.056	1.45	3.102	2368	43.3	648	852	3220	3.78
51.0	2402	0.060	1.55	3.105	2365	43.3	648	852	3217	3.78
52.0	2449	0.064	1.65	3.108	2409	43.3	648	852	3261	3.83
53.0	2497	0.068	1.76	3.112	2453	43.2	634	866	3319	3.83
53.0	2497	0.072	1.86	3.115	2450	43.2	634	866	3317	3.83
53.0	2497	0.076	1.96	3.118	2448	43.1	619	881	3328	3.78
53.0	2497	0.080	2.07	3.122	2445	43.1	619	881	3326	3.78

Data entry by: SR Date: 05/07/2008
Data checked by: cwe Date: 5/07/08
FileName: TTT0TT7

ADVANCED TERRA TESTING, INC. ATT


CONSOLIDATION DATA
Tt-7, 10.0', Stage 1 of 3, A
Volume Deflection in cc
Square Root of Time in Minutes
Time in Minutes
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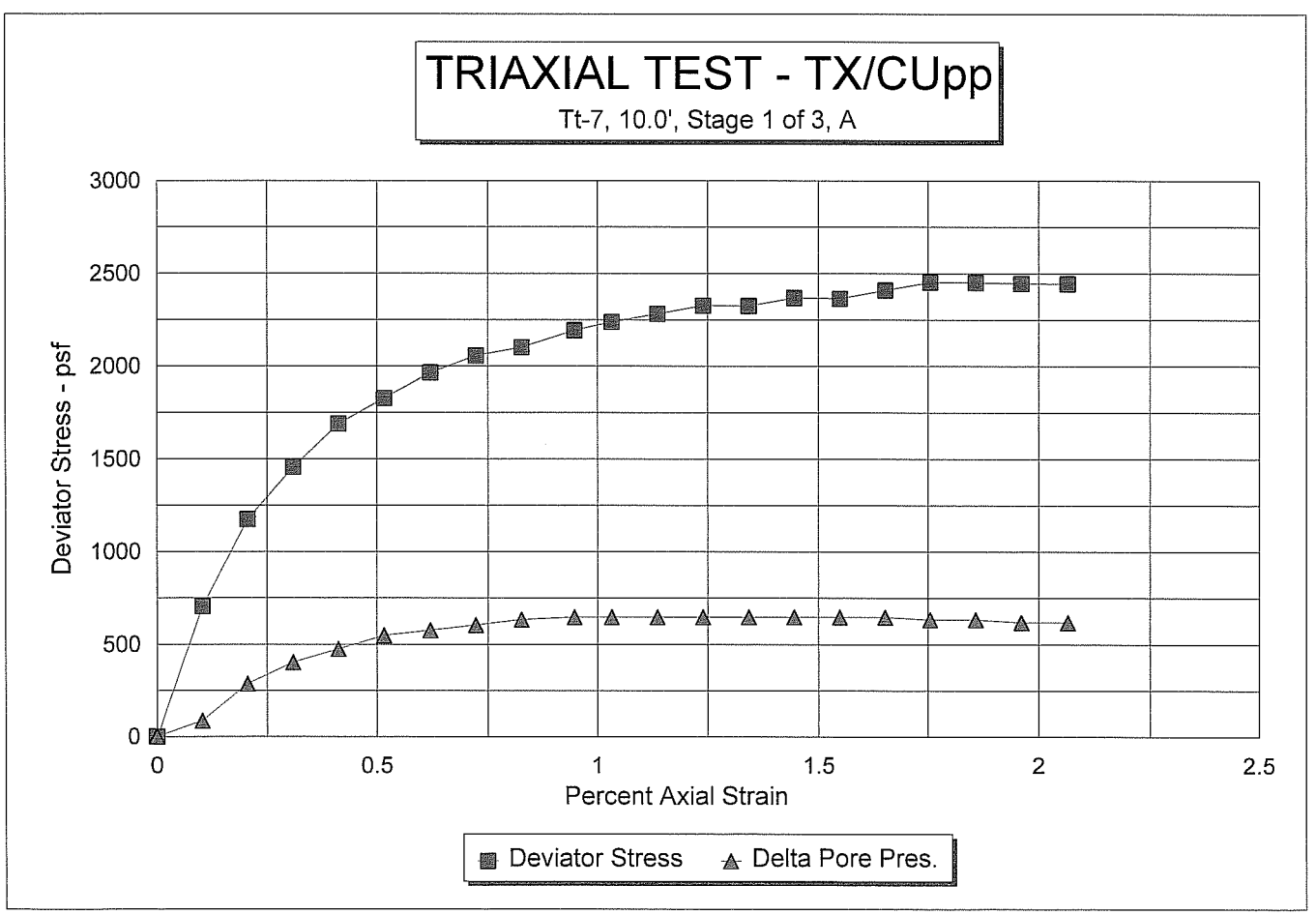
0
-1
-2
-3
-4
0
5
10
15
20
0.25
0.50
1
2
4
9
16
30
60
120
240
360


TRIAXIAL TEST - TX/CUpp
Tt-7, 10.0', Stage 1 of 3, A
Deviator Stress - psf
Percent Axial Strain
Deviator Stress
Delta Pore Pres.
3000
2500
2000
1500
1000
500
0
0
0.5
1
1.5
2
2.5

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-7	SAMPLED	04-08-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 2 of 3, A	TEST FINISHED	05-06-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	13S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	3000

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER CONSOL
Wt. Soil + Moisture (g)	379.8	385.3
Wt. Wet Soil & Pan (g)	386.5	392.0
Wt. Dry Soil & Pan (g)	317.4	317.4
Wt. Lost Moisture (g)	69.1	74.6
Wt. of Pan Only (g)	6.8	6.8
Wt. of Dry Soil (g)	310.7	310.7
Moisture Content %	22.2	24.0
Wet Density PCF	122.2	125.8
Dry Density PCF	99.9	101.4

Init. Diameter (in)	1.994
Init. Area (sq in)	3.122
Init. Height (in)	3.794
Vol. Bef. Consol. (cu ft)	0.00685
Vol. After Consol. (cu ft)	0.00675

Notes & Comments:

Data entry by: SR Date: 05/07/2008
Data checked by: ce Date: 5/07/08
FileName: TTT0TT7

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT Tetra Tech MM (Fort Collins) JOB NO. 2592-04

BORING NO.	Tt-7	SAMPLED	04-08-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 2 of 3, A	TEST FINISHED	05-06-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	13S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	3000

CONSOLIDATION DATA

Elapsed Time (Min)	SQRT TIME (Min)	Burette Reading (CC)	Vol. Defl. (CC)
0.00	0.0	6.4	0.00
0.25	0.5	7.1	-0.70
0.5	0.7	7.1	-0.70
1	1.0	7.1	-0.73
2	1.4	7.2	-0.80
4	2.0	7.2	-0.80
9	3.0	7.3	-0.90
16	4.0	7.4	-1.00
30	5.5	7.6	-1.20
60	7.7	7.9	-1.50
120	11.0	8.2	-1.80
262	16.2	8.8	-2.40
360	19.0	9.1	-2.70

Initial Height (in)	3.794	Init. Vol. (CC)	194.11
Height Change (in)	-0.009	Vol. Change (CC)	3.70
Ht. After Cons. (in)	3.803	Cell Exp. (CC)	0.88
Initial Area (sq in)	3.122	Net Change (CC)	2.82
Area After Cons. (sq in)	3.069	Cons. Vol. (CC)	191.29

Data entry by: SR Date: 05/07/2008
Data checked by: ae Date: 5/07/08
FileName: TTT0TT7

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

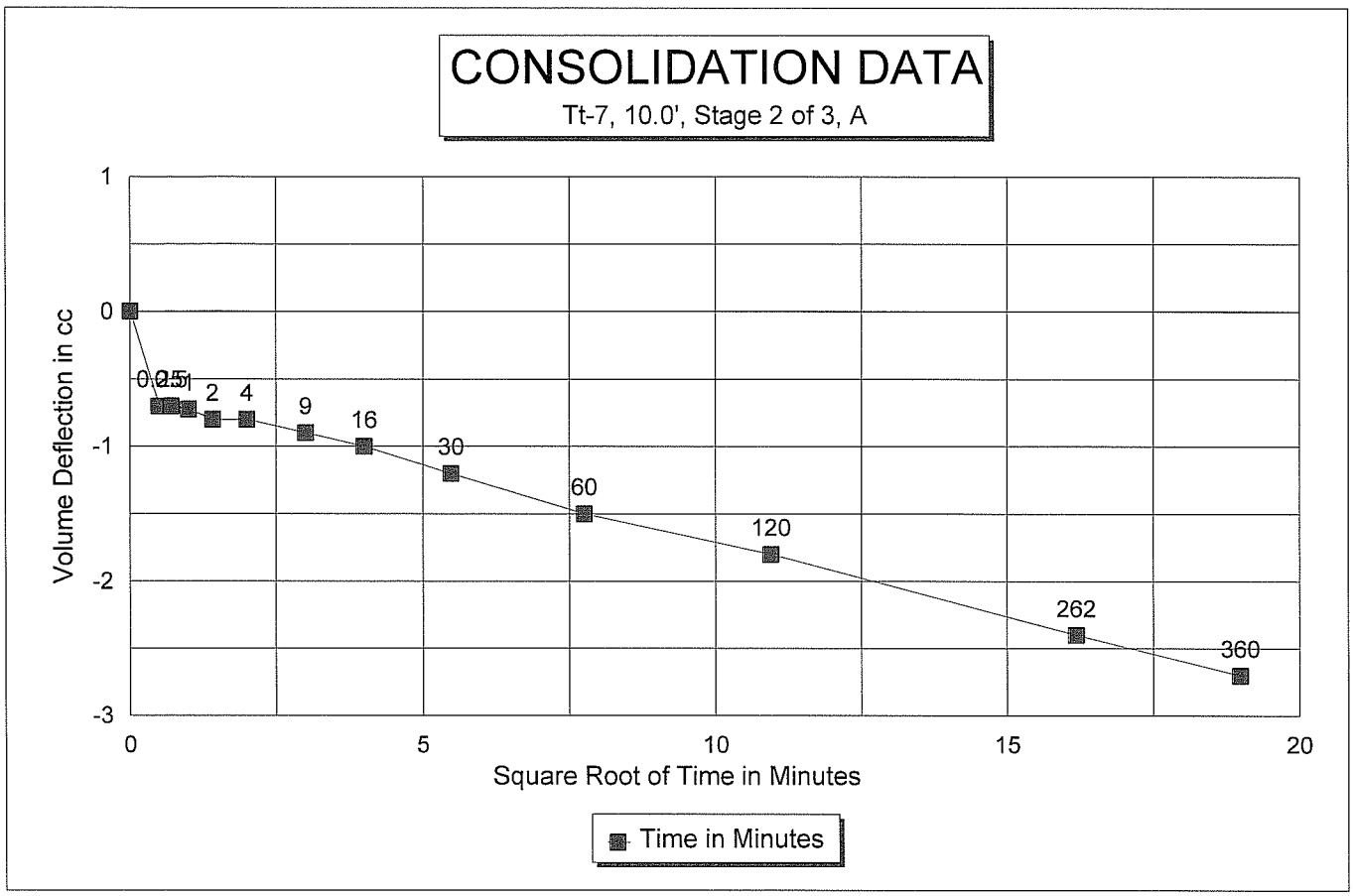
CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-7	SAMPLED	04-08-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 2 of 3, A	TEST FINISHED	05-06-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	13S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	3000

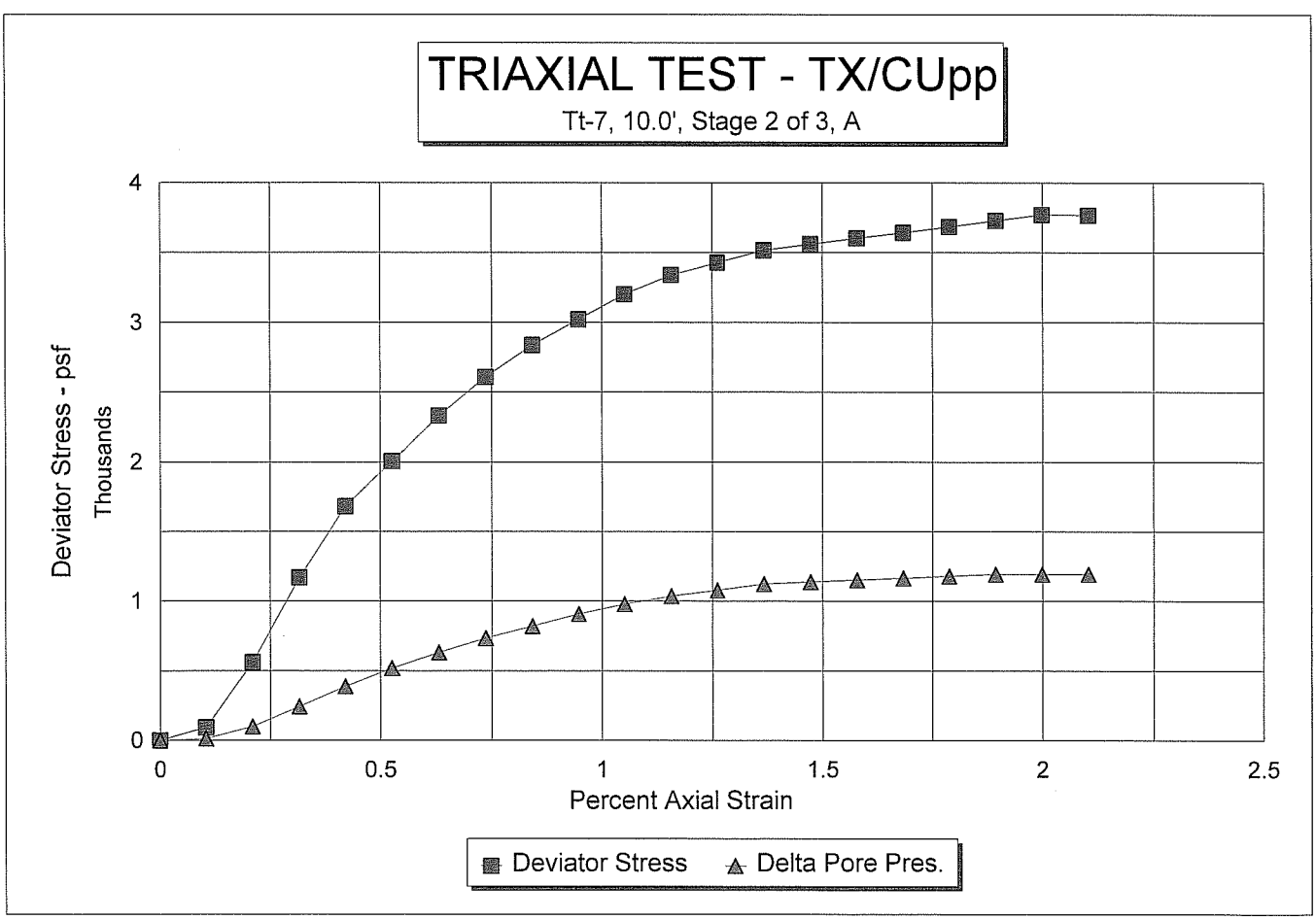
Init. Ht. (in)	3.794	Init. Area (sq in)	3.122
Consol. Ht. (in)	3.803	Consol. Area (sq in)	3.069
Back Pres. PSI	38.8	Strain Rate (in/min)	0.001

Axial Load Lbs.	Axial Load PSF	Delta Ht. In.	Axial % Strain	Area Final Sq In.	Dev. Stress PSF	Pore Pres. PSI	Delta Pres. PSF	σ 3' PSF	σ 1' PSF	Prin. Stress Ratio
0.0	0	0.00	0.00	3.069	0	38.8	0	3000	3000	1.00
2.0	94	0.004	0.11	3.072	94	38.9	14	2986	3079	1.03
12.0	563	0.008	0.21	3.075	562	39.5	101	2899	3461	1.19
25.0	1173	0.012	0.32	3.079	1169	40.5	245	2755	3925	1.42
36.0	1689	0.016	0.42	3.082	1682	41.5	389	2611	4293	1.64
43.0	2018	0.020	0.53	3.085	2007	42.4	518	2482	4489	1.81
50.0	2346	0.024	0.63	3.088	2331	43.2	634	2366	4698	1.99
56.0	2628	0.028	0.74	3.092	2608	43.9	734	2266	4874	2.15
61.0	2862	0.032	0.84	3.095	2838	44.5	821	2179	5017	2.30
65.0	3050	0.036	0.95	3.098	3021	45.1	907	2093	5114	2.44
69.0	3238	0.040	1.05	3.102	3204	45.6	979	2021	5224	2.59
72.0	3378	0.044	1.16	3.105	3339	46.0	1037	1963	5303	2.70
74.0	3472	0.048	1.26	3.108	3428	46.3	1080	1920	5348	2.79
76.0	3566	0.052	1.37	3.111	3517	46.6	1123	1877	5394	2.87
77.0	3613	0.056	1.47	3.115	3560	46.7	1138	1862	5422	2.91
78.0	3660	0.060	1.58	3.118	3602	46.8	1152	1848	5450	2.95
79.0	3707	0.064	1.68	3.121	3644	46.9	1166	1834	5478	2.99
80.0	3754	0.068	1.79	3.125	3687	47.0	1181	1819	5506	3.03
81.0	3801	0.072	1.89	3.128	3729	47.1	1195	1805	5534	3.07
82.0	3848	0.076	2.00	3.131	3771	47.1	1195	1805	5576	3.09
82.0	3848	0.080	2.10	3.135	3767	47.1	1195	1805	5571	3.09

Data entry by: SR Date: 05/07/2008
Data checked by: ce Date: 5/07/08
FileName: TTT0TT7

ADVANCED TERRA TESTING, INC. ATT


CONSOLIDATION DATA
Tt-7, 10.0', Stage 2 of 3, A
Volume Deflection in cc
1
0
-1
-2
-3
0
0.25
1
2
4
9
16
30
60
120
262
360
0
5
10
15
20
Square Root of Time in Minutes
Time in Minutes


TRIAXIAL TEST - TX/CUpp
Tt-7, 10.0', Stage 2 of 3, A
Deviator Stress - psf
Thousands
4
3
2
1
0
0
0.5
1
1.5
2
2.5
Percent Axial Strain
Deviator Stress
Delta Pore Pres.

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-7	SAMPLED	04-08-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 3 of 3, A	TEST FINISHED	05-06-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	13S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	6000

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER CONSOL
Wt. Soil + Moisture (g)	379.8	385.3
Wt. Wet Soil & Pan (g)	386.5	392.0
Wt. Dry Soil & Pan (g)	317.4	317.4
Wt. Lost Moisture (g)	69.1	74.6
Wt. of Pan Only (g)	6.8	6.8
Wt. of Dry Soil (g)	310.7	310.7
Moisture Content %	22.2	24.0
Wet Density PCF	124.0	128.3
Dry Density PCF	101.4	103.4

Init. Diameter (in)	1.998
Init. Area (sq in)	3.135
Init. Height (in)	3.723
Vol. Bef. Consol. (cu ft)	0.00675
Vol. After Consol. (cu ft)	0.00662

Notes & Comments:

Data entry by: SR Date: 05/07/2008
Data checked by: cwe Date: 5/07/08
FileName: TTT0TT7

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-7	SAMPLED	04-08-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 3 of 3, A	TEST FINISHED	05-06-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	13S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	6000

CONSOLIDATION DATA

Elapsed Time (Min)	SQRT TIME (Min)	Burette Reading (CC)	Vol. Defl. (CC)
0.00	0.0	11.90	0.00
0.25	0.5	13.25	-1.35
0.5	0.7	13.30	-1.40
1	1.0	13.40	-1.50
2	1.4	13.50	-1.60
4	2.0	13.60	-1.70
9	3.0	13.60	-1.70
16	4.0	13.80	-1.90
30	5.5	13.90	-2.00
60	7.7	14.20	-2.30
120	11.0	14.60	-2.70
240	15.5	15.20	-3.30
360	19.0	15.65	-3.75

Initial Height (in)	3.723	Init. Vol. (CC)	191.29
Height Change (in)	-0.008	Vol. Change (CC)	5.50
Ht. After Cons. (in)	3.731	Cell Exp. (CC)	1.77
Initial Area (sq in)	3.135	Net Change (CC)	3.73
Area After Cons. (sq in)	3.067	Cons. Vol. (CC)	187.56

Data entry by: SR Date: 05/07/2008
Data checked by: cal Date: 5/07/08
FileName: TTT0TT7

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

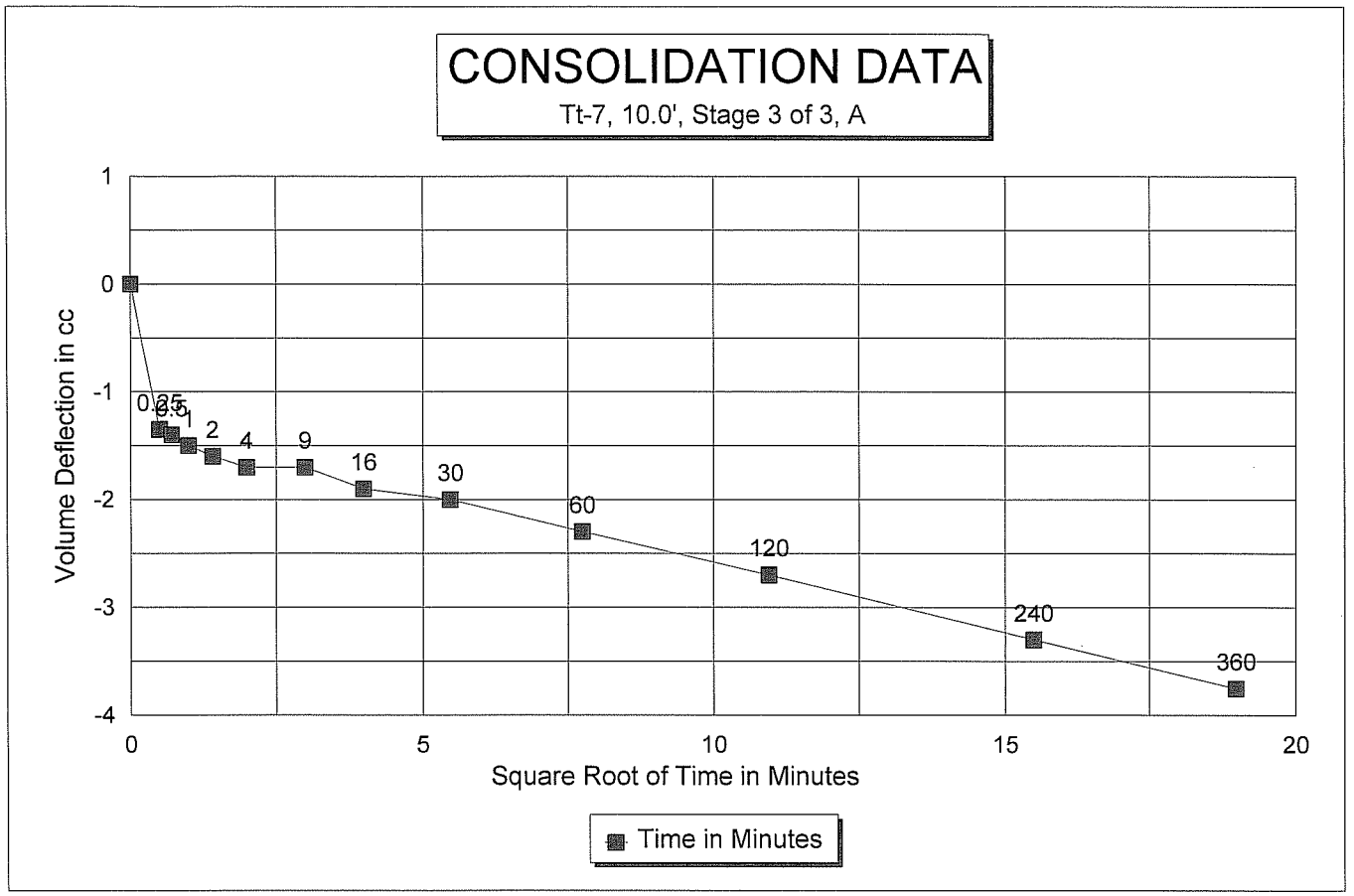
CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-7	SAMPLED	04-08-08 JLR
DEPTH	10.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 3 of 3, A	TEST FINISHED	05-06-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	13S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	6000

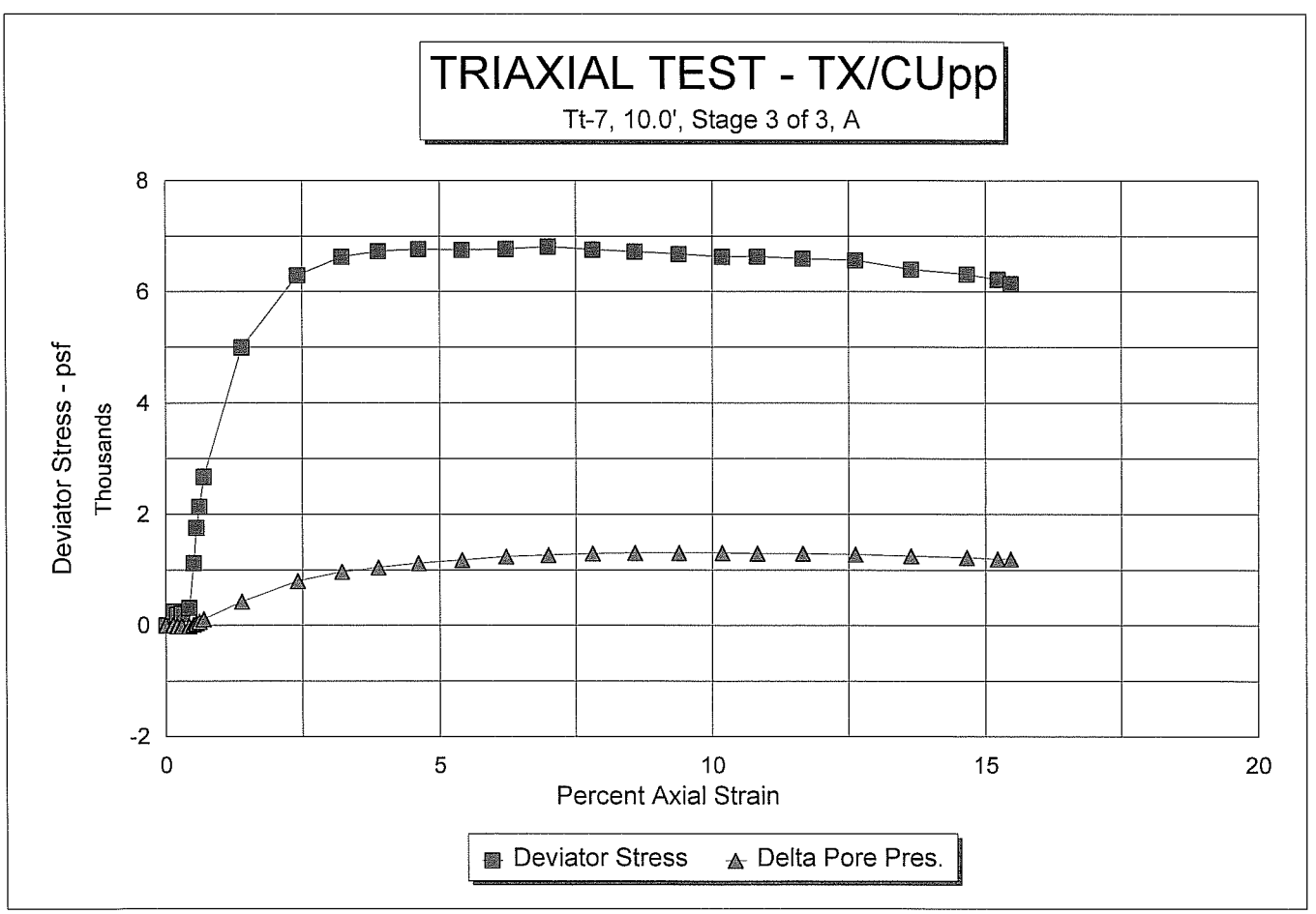
Init. Ht. (in)	3.723	Init. Area (sq in)	3.135
Consol. Ht. (in)	3.731	Consol. Area (sq in)	3.067
Back Pres. PSI	38.1	Strain Rate (in/min)	0.002

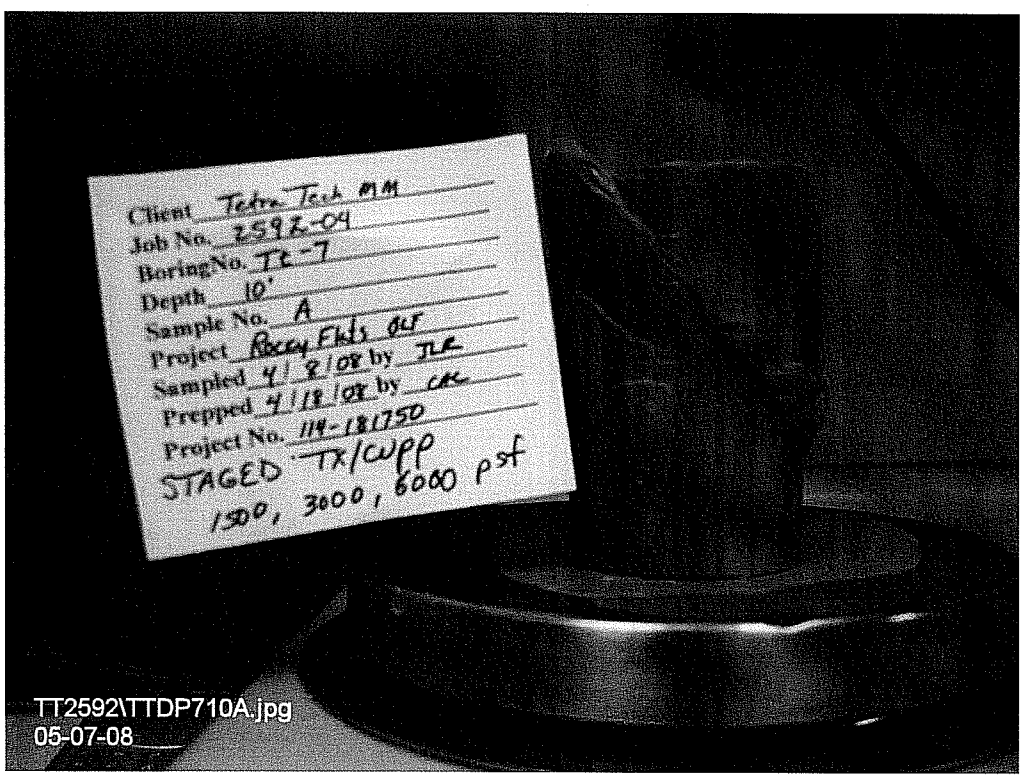
Axial Load Lbs.	Axial Load PSF	Delta Ht. In.	Axial % Strain	Area Final Sq In.	Dev. Stress PSF	Pore Pres. PSI	Delta Pres. PSF	σ 3' PSF	σ 1' PSF	Prin. Stress Ratio
0.0	0	0.00	0.00	3.067	0	38.1	0	6000	6000	1.00
5.4	254	0.005	0.13	3.071	253	38.1	0	6000	6253	1.04
4.1	192	0.008	0.21	3.074	192	38.0	-14	6014	6206	1.03
4.6	216	0.011	0.29	3.076	215	38.0	-14	6014	6230	1.04
6.9	324	0.016	0.43	3.080	323	38.0	-14	6014	6337	1.05
24.1	1131	0.019	0.51	3.083	1126	38.2	14	5986	7111	1.19
37.6	1765	0.021	0.56	3.085	1755	38.4	43	5957	7712	1.29
45.8	2150	0.023	0.62	3.086	2137	38.6	72	5928	8065	1.36
57.3	2690	0.026	0.70	3.089	2671	38.9	115	5885	8556	1.45
107.9	5066	0.052	1.39	3.111	4995	41.1	432	5568	10563	1.90
137.4	6451	0.090	2.41	3.143	6295	43.7	806	5194	11489	2.21
145.8	6845	0.120	3.22	3.169	6625	44.8	965	5035	11660	2.32
149.0	6995	0.145	3.89	3.191	6723	45.4	1051	4949	11672	2.36
151.0	7089	0.172	4.61	3.215	6762	45.9	1123	4877	11639	2.39
151.9	7131	0.202	5.41	3.243	6745	46.3	1181	4819	11565	2.40
153.7	7216	0.232	6.22	3.271	6767	46.7	1238	4762	11529	2.42
155.9	7319	0.261	7.00	3.298	6807	46.9	1267	4733	11540	2.44
156.0	7324	0.291	7.80	3.327	6753	47.1	1296	4704	11457	2.44
156.6	7352	0.320	8.58	3.355	6722	47.2	1310	4690	11411	2.43
156.9	7366	0.350	9.38	3.385	6675	47.2	1310	4690	11365	2.42
157.1	7376	0.380	10.18	3.415	6624	47.2	1310	4690	11314	2.41
158.3	7432	0.404	10.83	3.440	6627	47.1	1296	4704	11331	2.41
159.0	7465	0.435	11.66	3.472	6594	47.1	1296	4704	11298	2.40
160.1	7516	0.471	12.62	3.510	6568	47.0	1282	4718	11286	2.39
157.9	7413	0.509	13.64	3.552	6402	46.8	1253	4747	11149	2.35
157.5	7394	0.547	14.66	3.594	6310	46.6	1224	4776	11086	2.32
156.2	7333	0.568	15.22	3.618	6217	46.4	1195	4805	11022	2.29
154.6	7258	0.577	15.47	3.628	6136	46.4	1195	4805	10941	2.28

Data entry by: SR Date: 05/07/2008
Data checked by: cue Date: 5/07/08
FileName: TTT0TT7

ADVANCED TERRA TESTING, INC. ATT

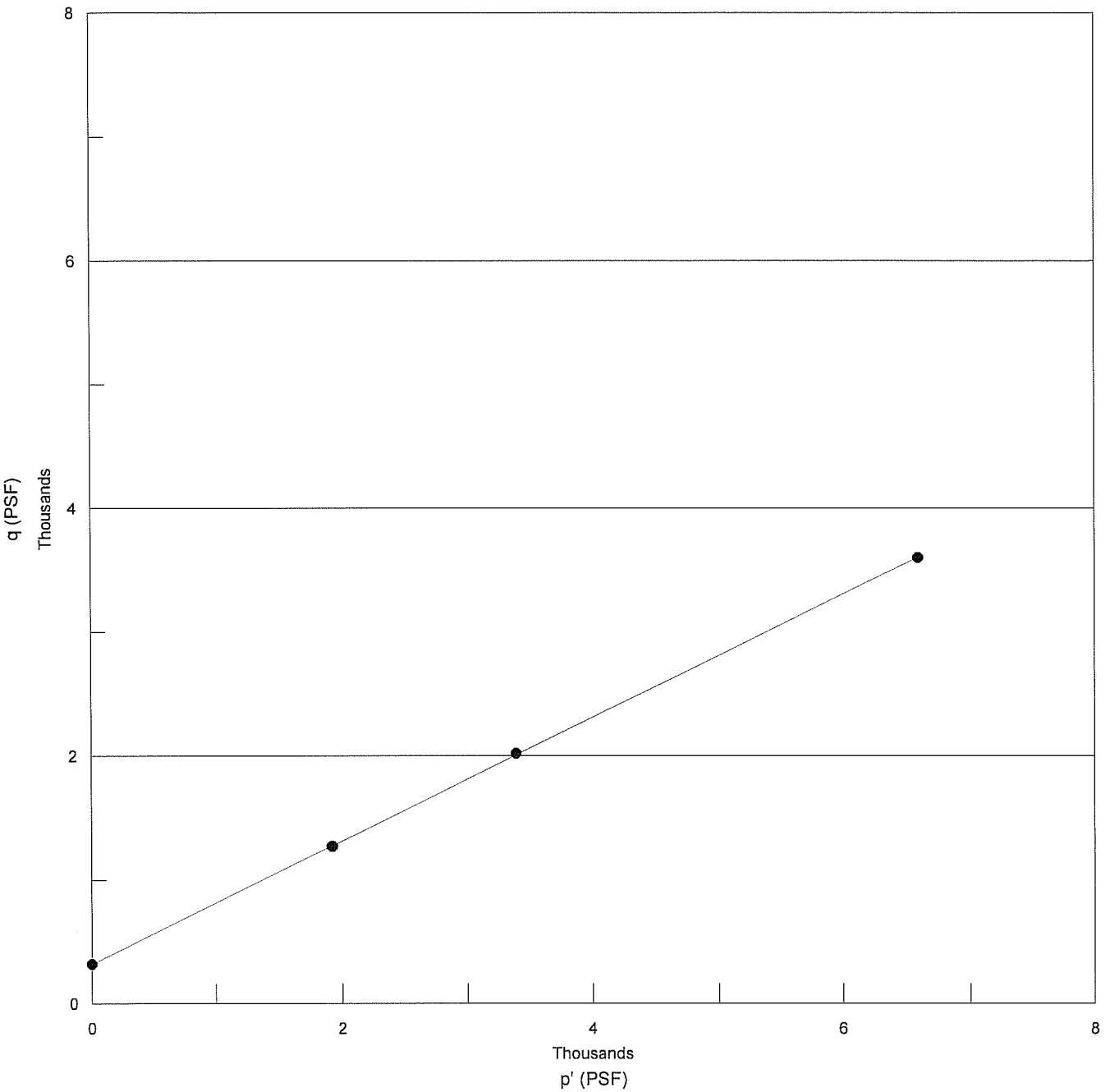

CONSOLIDATION DATA
Tt-7, 10.0', Stage 3 of 3, A
Volume Deflection in cc
1
0
-1
-2
-3
-4
0.25
0.5
1
2
4
9
16
30
60
120
240
360
0
5
10
15
20
Square Root of Time in Minutes
Time in Minutes


TRIAXIAL TEST - TX/CUpp
Tt-7, 10.0', Stage 3 of 3, A
Deviator Stress - psf
Thousands
8
6
4
2
0
-2
0
5
10
15
20
Percent Axial Strain
Deviator Stress
Delta Pore Pres.


Client Tetra Tech MM
Job No. 2592-04
Boring No. TT-7
Depth 10'
Sample No. A
Project Rocky Flats OU
Sampled 4/8/08 by JLR
Prepped 4/18/08 by CAC
Project No. 114-181750
STAGED TX/CWPP
1500, 3000, 6000 psf
TT2592\TTDP710A.jpg
05-07-08

Effective Stress Path Analysis - p' q Regression Plot

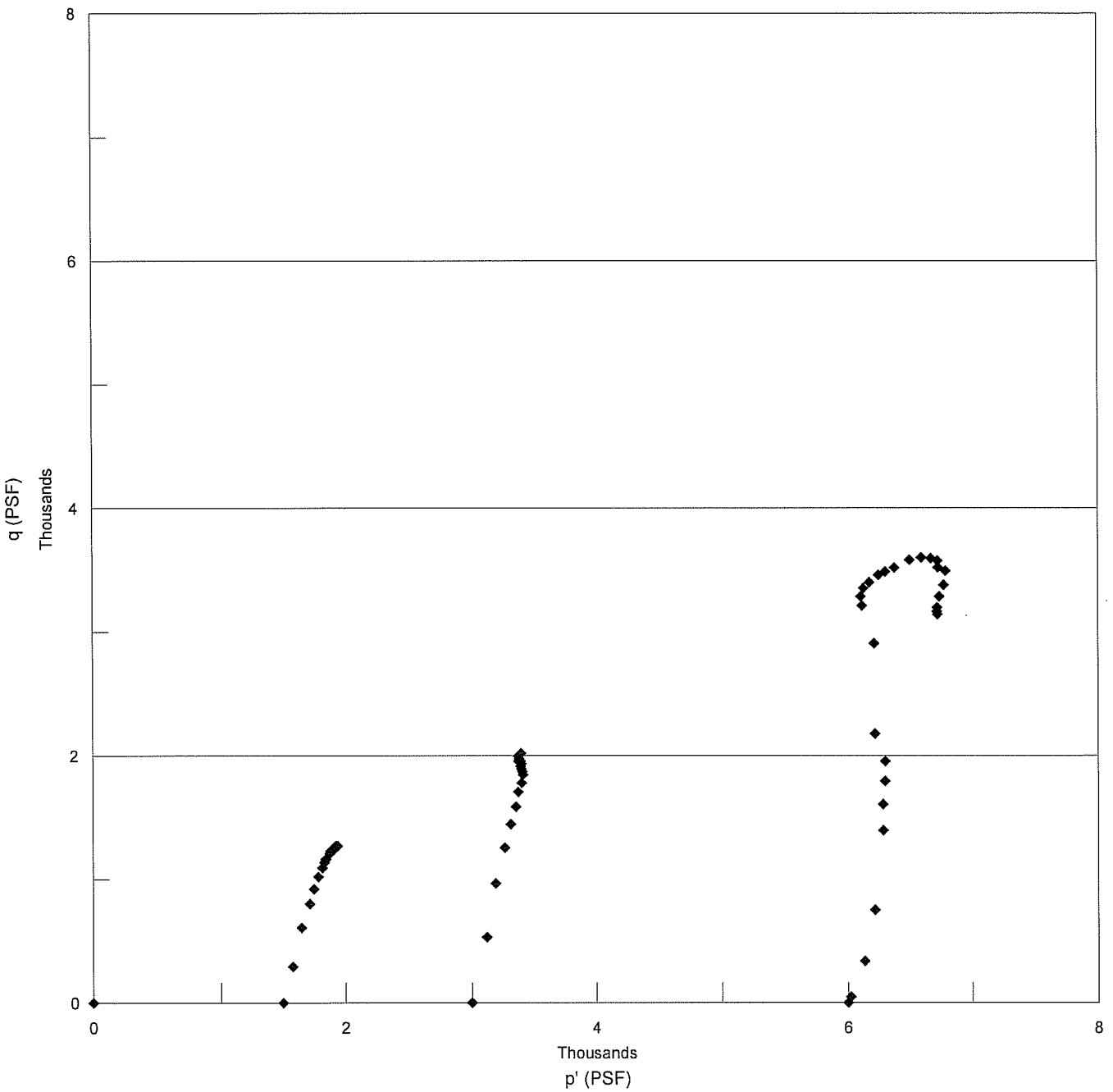
Tetra Tech MM (Fort Collins),Tt-5,34.0',Stage 1 of 3, A,Stage 2 of 3, A,Stage 3 of 3, A



● Shear Data – Best Fit Line Tau = 26.5 degrees a = 319.6 PSF

Effective Stress Path Analysis - p' q Plots

Tetra Tech MM (Fort Collins),Tt-5,34.0',Stage 1 of 3, A,Stage 2 of 3, A,Stage 3 of 3, A



◆ Stress Paths of Stages 1, 2, & 3, A

EFFECTIVE STRESS PATH ANALYSIS TEST DATA
ASTM D4767

CLIENT	Tetra Tech MM (Fort Collins)		
		JOB NO.	2592-04
BORING NO.	Tt-5		
DEPTH	34.0'	SAMPLED	03-28-08 JLR
SAMPLE NO.	Stages 1, 2 & 3, A	SATURATED TEST	Yes
SOIL DESCR.	#114-181750	TEST TYPE	TX/CUpp
LOCATION	Rocky Flats OLF		

CONF. PRES. PSF			Peak Points p' PSF	Peak Points q PSF
	STAGE 1, A	1500	STAGE 1, A	1921	1271
	STAGE 2, A	3000	STAGE 2, A	3391	2018
	STAGE 3, A	6000	STAGE 3, A	6592	3601

STAGE 1, A

σ 3' PSF	σ 1' PSF	p' PSF	q PSF
1500	1500	1500	0
1284	1869	1576	292
1039	2256	1648	609
910	2515	1712	803
823	2670	1746	923
766	2804	1785	1019
722	2905	1814	1091
694	2971	1832	1138
679	3002	1841	1162
665	3082	1874	1209
665	3128	1896	1232
650	3111	1881	1230
650	3157	1904	1253
650	3154	1902	1252
650	3152	1901	1251
650	3149	1900	1249
650	3147	1899	1248
650	3192	1921	1271
665	3204	1934	1270
665	3201	1933	1268
665	3199	1932	1267

STAGE 2, A

σ 3' PSF	σ 1' PSF	p' PSF	q PSF
3000	3000	3000	0
2582	3646	3114	532
2222	4155	3188	966
2006	4515	3261	1255
1862	4754	3308	1446
1762	4939	3350	1589
1661	5076	3368	1707
1618	5173	3395	1778
1560	5254	3407	1847
1531	5271	3401	1870
1502	5286	3394	1892
1474	5301	3387	1914
1459	5330	3395	1935
1430	5345	3388	1957
1416	5326	3371	1955
1402	5355	3378	1977
1402	5351	3376	1975
1373	5365	3369	1996
1373	5408	3391	2018
1373	5404	3388	2016

STAGE 3, A

σ 3' PSF	σ 1' PSF	p' PSF	q PSF
6000	6000	6000	0
5971	6067	6019	48
5798	6471	6135	336
5467	6964	6216	749
4891	7675	6283	1392
4675	7888	6282	1606
4502	8092	6297	1795
4344	8255	6300	1956
4042	8396	6219	2177
3307	9121	6214	2907
2904	9326	6115	3211
2818	9390	6104	3286
2774	9482	6128	3354
2774	9575	6175	3400
2789	9706	6247	3458
2818	9788	6303	3485
2861	9891	6376	3515
2918	10078	6498	3580
2990	10193	6592	3601
3077	10263	6670	3593
3149	10296	6723	3574
3206	10246	6726	3520
3293	10277	6785	3492
3394	10150	6772	3378
3451	10020	6735	3284
3523	9914	6719	3195
3552	9882	6717	3165
3581	9864	6722	3142

Data entry by: SR Date: 05/08/2008
Data checked by: cer Date: 5/09/08
FileName: TTT0TT5

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT Tetra Tech MM (Fort Collins)

JOB NO. 2592-04

BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	34.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 1 of 3, A	TEST FINISHED	05-07-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	17S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	1500

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER CONSOL
Wt. Soil + Moisture (g)	368.5	384.4
Wt. Wet Soil & Pan (g)	375.3	391.2
Wt. Dry Soil & Pan (g)	325.7	325.7
Wt. Lost Moisture (g)	49.6	65.5
Wt. of Pan Only (g)	6.8	6.8
Wt. of Dry Soil (g)	318.9	318.9
Moisture Content %	15.6	20.5
Wet Density PCF	124.9	129.7
Dry Density PCF	108.1	107.6

Init. Diameter (in)	1.934
Init. Area (sq in)	2.938
Init. Height (in)	3.826
Vol. Bef. Consol. (cu ft)	0.00650
Vol. After Consol. (cu ft)	0.00653

Notes & Comments:

Data entry by: SR Date: 05/08/2008
Data checked by: cel Date: 5/09/08
FileName: TTT0TT5

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	34.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 1 of 3, A	TEST FINISHED	05-07-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	17S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	1500

SATURATION DATA

Cell Pres. (PSI)	Back Pres. (PSI)	Burette Reading (CC)		Pore Pressure (PSI)		Change	B
		Close	Open	Close	Open		
40.0	38.0	1.8	7.5				
50.0	48.0	6.2	7.1	38.1	46.0	7.9	0.79
60.0	58.0	7.2	8.1	48.4	56.8	8.4	0.84
70.0	68.0	8.0	8.9	58.2	67.0	8.8	0.88
80.0	78.0	9.0	9.9	68.2	77.3	9.1	0.91
90.0	88.0	10.0	10.9	78.3	87.5	9.2	0.92
100.0	98.0	11.4	12.1	88.1	97.5	9.4	0.94
110.0		12.1	12.2	98.2	107.7	9.5	0.95

CONSOLIDATION DATA

Elapsed Time (Min)	SQRT TIME (Min)	Burette Reading (CC)	Vol. Defl. (CC)
0.00	0.0	12.2	0.00
0.25	0.5	13.9	-1.70
0.50	0.7	14.2	-2.00
1	1.0	14.4	-2.20
2	1.4	14.5	-2.30
4	2.0	14.6	-2.40
9	3.0	14.7	-2.50
16	4.0	14.8	-2.55
30	5.5	14.8	-2.60
60	7.7	14.9	-2.70
120	11.0	14.9	-2.70
240	15.5	14.9	-2.70
360	19.0	14.9	-2.70

Initial Height (in)	3.826	Init. Vol. (CC)	184.22
Height Change (in)	0.001	Vol. Change (CC)	13.40
Ht. After Cons. (in)	3.825	Cell Exp. (CC)	14.22
Initial Area (sq in)	2.938	Net Change (CC)	-0.82
Area After Cons. (sq in)	2.952	Cons. Vol. (CC)	185.04

Data entry by: SR Date: 05/08/2008
Data checked by: al Date: 5/09/08
FileName: TTT0TT5

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA

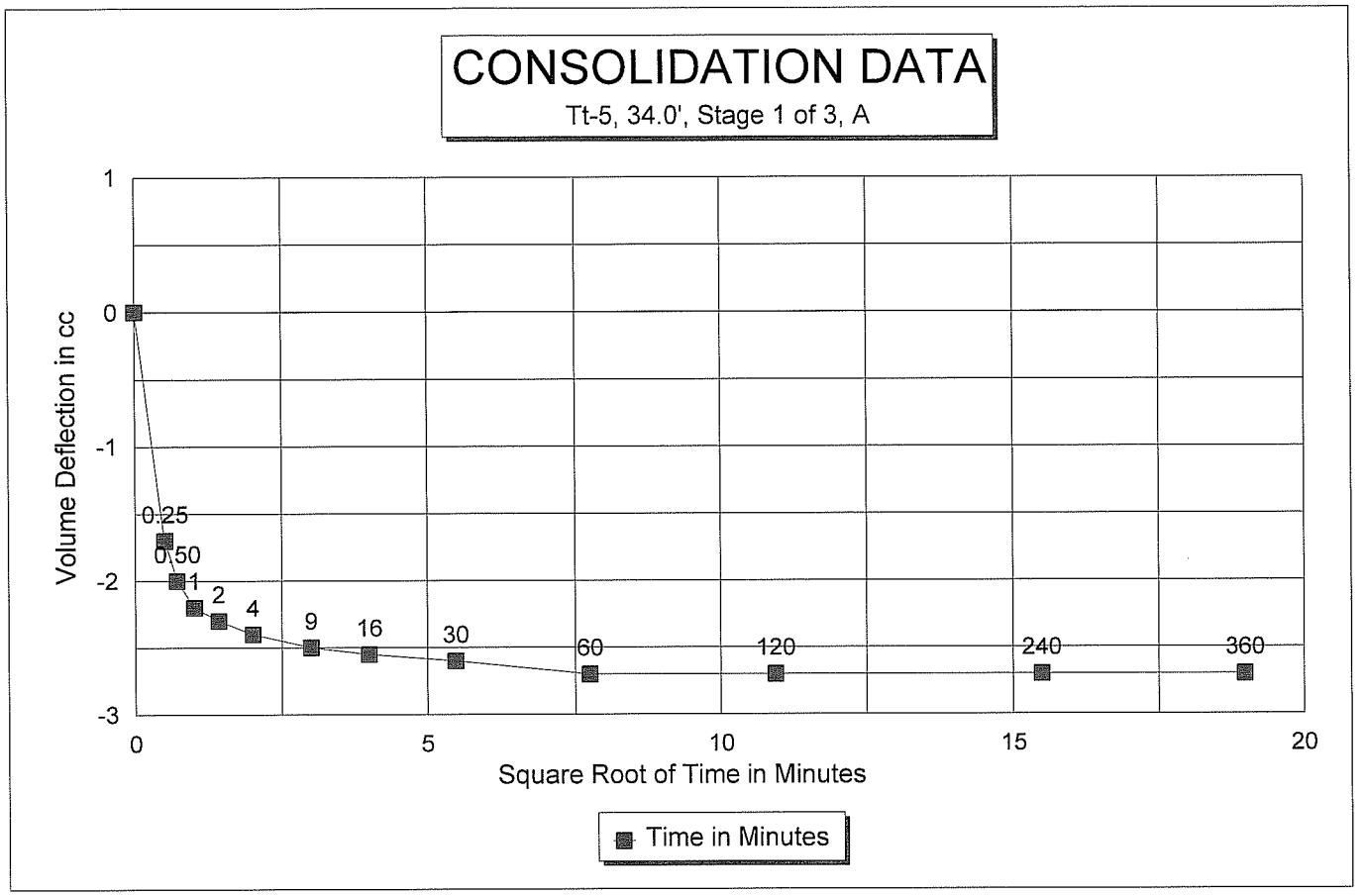
CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	34.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 1 of 3, A	TEST FINISHED	05-07-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	17S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	1500

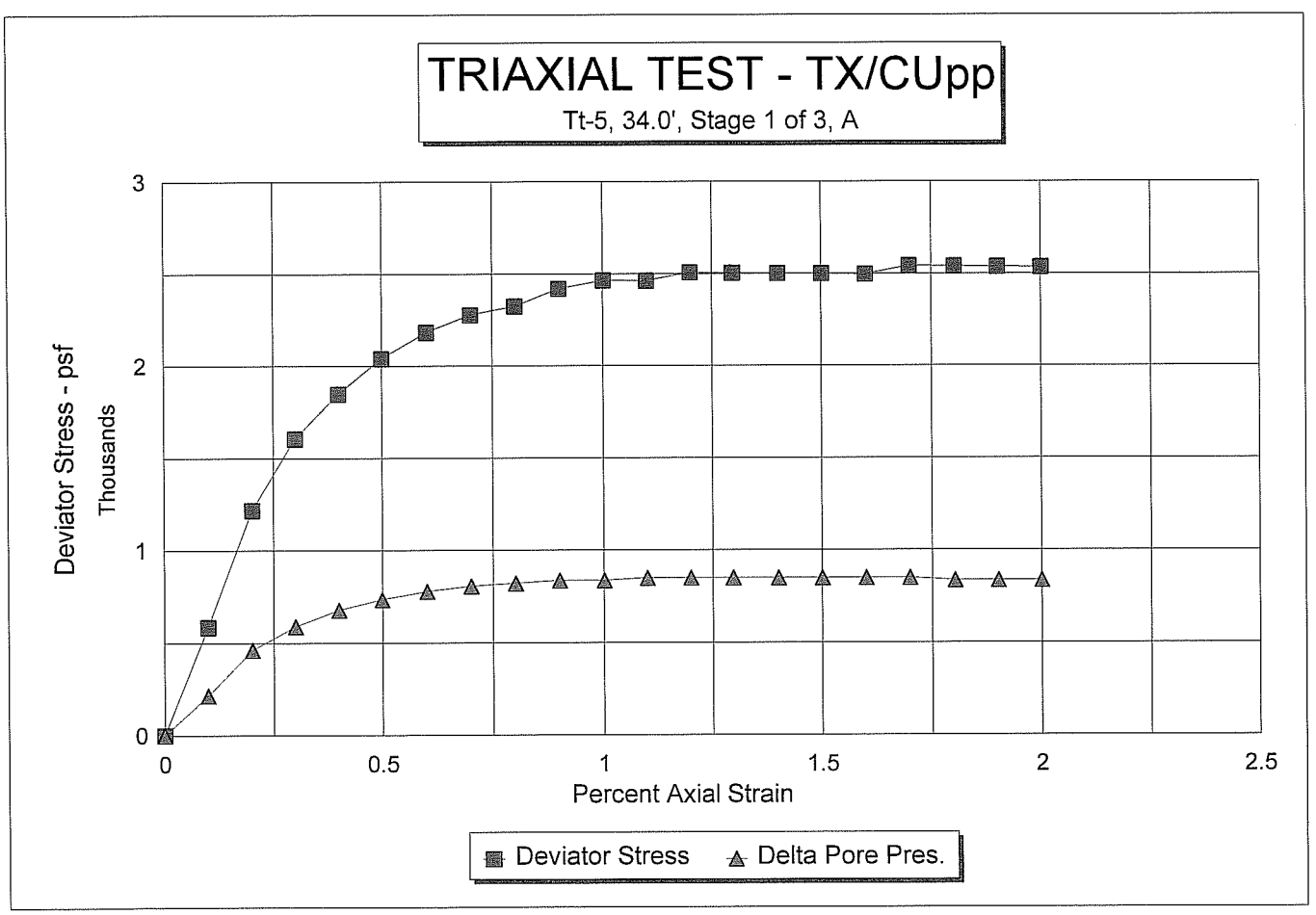
Init. Ht. (in)	3.826	Init. Area (sq in)	2.938
Consol. Ht. (in)	3.825	Consol. Area (sq in)	2.952
Back Pres. PSI	98.8	Strain Rate (in/min)	0.005

Axial Load Lbs.	Axial Load PSF	Delta Ht. In.	Axial % Strain	Area Final Sq In.	Dev. Stress PSF	Pore Pres. PSI	Delta Pres. PSF	σ 3' PSF	σ 1' PSF	Prin. Stress Ratio
0.0	0	0.00	0.00	2.952	0	98.8	0	1500	1500	1.00
12.0	585	0.004	0.10	2.954	585	100.3	216	1284	1869	1.46
25.0	1220	0.008	0.20	2.957	1217	102.0	461	1039	2256	2.17
33.0	1610	0.012	0.30	2.960	1605	102.9	590	910	2515	2.76
38.0	1854	0.015	0.40	2.963	1847	103.5	677	823	2670	3.24
42.0	2049	0.019	0.50	2.966	2039	103.9	734	766	2804	3.66
45.0	2195	0.023	0.60	2.969	2182	104.2	778	722	2905	4.02
47.0	2293	0.027	0.70	2.972	2277	104.4	806	694	2971	4.28
48.0	2342	0.031	0.80	2.975	2323	104.5	821	679	3002	4.42
50.0	2439	0.034	0.90	2.978	2417	104.6	835	665	3082	4.64
51.0	2488	0.038	1.00	2.981	2463	104.6	835	665	3128	4.71
51.0	2488	0.042	1.10	2.984	2461	104.7	850	650	3111	4.78
52.0	2537	0.046	1.20	2.987	2507	104.7	850	650	3157	4.85
52.0	2537	0.050	1.30	2.990	2504	104.7	850	650	3154	4.85
52.0	2537	0.054	1.40	2.993	2501	104.7	850	650	3152	4.85
52.0	2537	0.057	1.50	2.997	2499	104.7	850	650	3149	4.84
52.0	2537	0.061	1.60	3.000	2496	104.7	850	650	3147	4.84
53.0	2586	0.065	1.70	3.003	2542	104.7	850	650	3192	4.91
53.0	2586	0.069	1.80	3.006	2539	104.6	835	665	3204	4.82
53.0	2586	0.073	1.90	3.009	2537	104.6	835	665	3201	4.82
53.0	2586	0.077	2.00	3.012	2534	104.6	835	665	3199	4.81

Data entry by: SR Date: 05/08/2008
Data checked by: cal Date: 5/09/08
FileName: TTT0TT5

ADVANCED TERRA TESTING, INC. ATT


CONSOLIDATION DATA
Tt-5, 34.0', Stage 1 of 3, A
Volume Deflection in cc
1
0
-1
-2
-3
0.25
0.50
1
2
4
9
16
30
60
120
240
360
0
5
10
15
20
Square Root of Time in Minutes
Time in Minutes


TRIAXIAL TEST - TX/CUpp
Tt-5, 34.0', Stage 1 of 3, A
Deviator Stress - psf
Thousands
3
2
1
0
0
0.5
1
1.5
2
2.5
Percent Axial Strain
Deviator Stress
Delta Pore Pres.

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT Tetra Tech MM (Fort Collins)

JOB NO. 2592-04

BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	34.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 2 of 3, A	TEST FINISHED	05-07-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	17S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	3000

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER CONSOL
Wt. Soil + Moisture (g)	368.5	384.4
Wt. Wet Soil & Pan (g)	375.3	391.2
Wt. Dry Soil & Pan (g)	325.7	325.7
Wt. Lost Moisture (g)	49.6	65.5
Wt. of Pan Only (g)	6.8	6.8
Wt. of Dry Soil (g)	318.9	318.9
Moisture Content %	15.6	20.5
Wet Density PCF	124.3	131.4
Dry Density PCF	107.6	109.0

Init. Diameter (in)	1.958
Init. Area (sq in)	3.012
Init. Height (in)	3.749
Vol. Bef. Consol. (cu ft)	0.00653
Vol. After Consol. (cu ft)	0.00645

Notes & Comments:

Data entry by: SR Date: 05/08/2008
Data checked by: cal Date: 5/09/08
FileName: TTT0TT5

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT Tetra Tech MM (Fort Collins) JOB NO. 2592-04

BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	34.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 2 of 3, A	TEST FINISHED	05-07-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	17S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	3000

CONSOLIDATION DATA

Elapsed Time (Min)	SQRT TIME (Min)	Burette Reading (CC)	Vol. Defl. (CC)
0.00	0.0	16.2	0.00
0.25	0.5	17.5	-1.30
0.5	0.7	17.8	-1.55
1	1.0	18.0	-1.80
2	1.4	18.3	-2.05
4	2.0	18.5	-2.30
9	3.0	18.7	-2.50
16	4.0	18.8	-2.60
30	5.5	18.9	-2.70
60	7.7	19.0	-2.80
120	11.0	19.0	-2.80
240	15.5	19.0	-2.80
360	19.0	19.0	-2.80

Initial Height (in)	3.749	Init. Vol. (CC)	185.04
Height Change (in)	0.002	Vol. Change (CC)	3.30
Ht. After Cons. (in)	3.747	Cell Exp. (CC)	0.93
Initial Area (sq in)	3.012	Net Change (CC)	2.37
Area After Cons. (sq in)	2.975	Cons. Vol. (CC)	182.67

Data entry by: SR Date: 05/08/2008
Data checked by: cel Date: 5/09/08
FileName: TTT0TT5

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

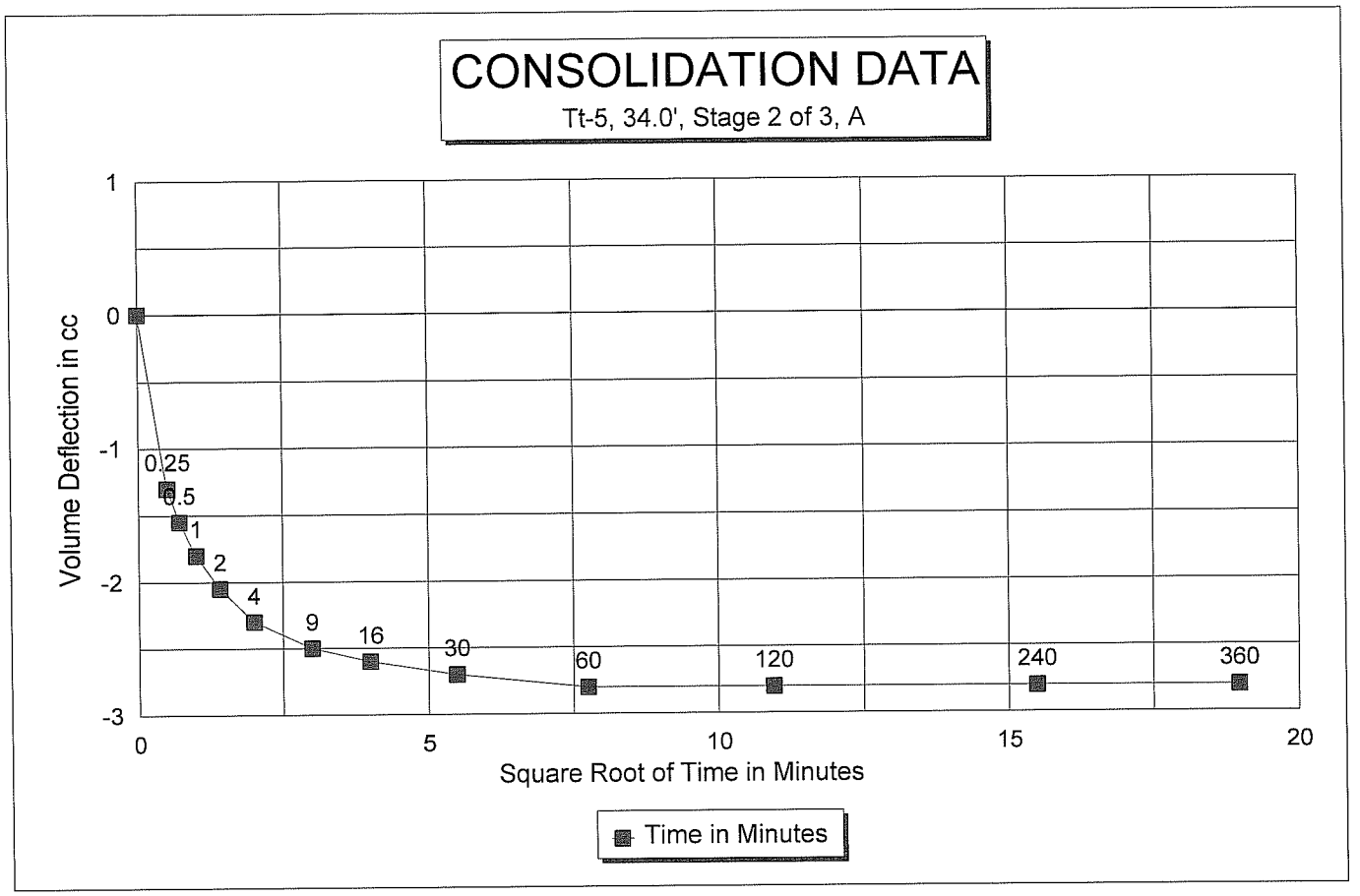
CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	34.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 2 of 3, A	TEST FINISHED	05-07-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	17S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	3000

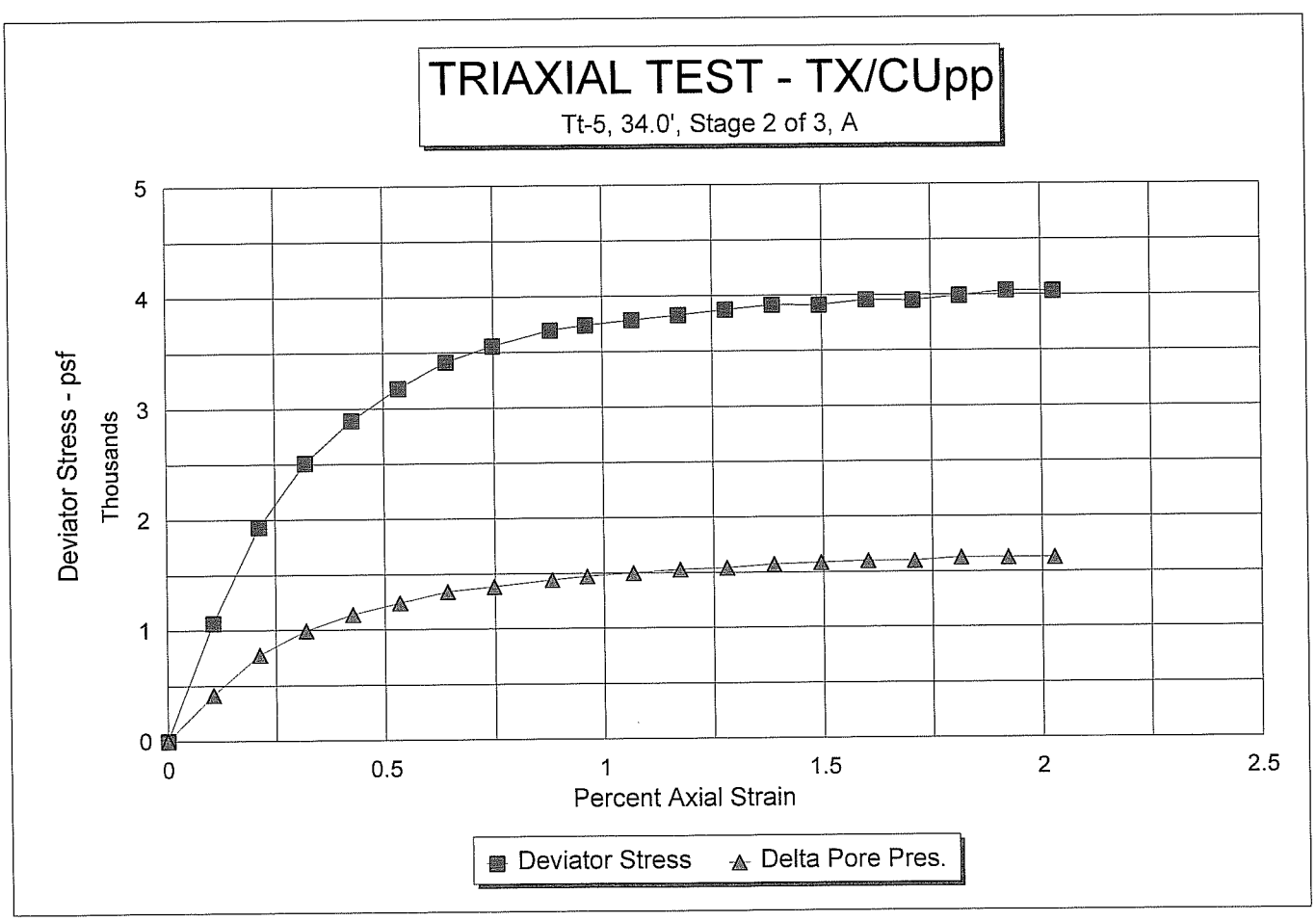
Init. Ht. (in)	3.749	Init. Area (sq in)	3.012
Consol. Ht. (in)	3.747	Consol. Area (sq in)	2.975
Back Pres. PSI	98.8	Strain Rate (in/min)	0.007

Axial Load Lbs.	Axial Load PSF	Delta Ht. In.	Axial % Strain	Area Final Sq In.	Dev. Stress PSF	Pore Pres. PSI	Delta Pres. PSF	σ 3' PSF	σ 1' PSF	Prin. Stress Ratio
0.0	0	0.00	0.00	2.975	0	98.8	0	3000	3000	1.00
22.0	1065	0.004	0.11	2.978	1064	101.7	418	2582	3646	1.41
40.0	1936	0.008	0.21	2.981	1932	104.2	778	2222	4155	1.87
52.0	2517	0.012	0.32	2.984	2509	105.7	994	2006	4515	2.25
60.0	2904	0.016	0.43	2.988	2892	106.7	1138	1862	4754	2.55
66.0	3195	0.020	0.53	2.991	3178	107.4	1238	1762	4939	2.80
71.0	3437	0.024	0.64	2.994	3415	108.1	1339	1661	5076	3.06
74.0	3582	0.028	0.75	2.997	3555	108.4	1382	1618	5173	3.20
77.0	3727	0.033	0.88	3.001	3694	108.8	1440	1560	5254	3.37
78.0	3776	0.036	0.96	3.004	3739	109.0	1469	1531	5271	3.44
79.0	3824	0.040	1.07	3.007	3783	109.2	1498	1502	5286	3.52
80.0	3873	0.044	1.17	3.010	3827	109.4	1526	1474	5301	3.60
81.0	3921	0.048	1.28	3.013	3871	109.5	1541	1459	5330	3.65
82.0	3969	0.052	1.39	3.017	3914	109.7	1570	1430	5345	3.74
82.0	3969	0.056	1.49	3.020	3910	109.8	1584	1416	5326	3.76
83.0	4018	0.060	1.60	3.023	3953	109.9	1598	1402	5355	3.82
83.0	4018	0.064	1.71	3.027	3949	109.9	1598	1402	5351	3.82
84.0	4066	0.068	1.82	3.030	3992	110.1	1627	1373	5365	3.91
85.0	4115	0.072	1.92	3.033	4035	110.1	1627	1373	5408	3.94
85.0	4115	0.076	2.03	3.036	4031	110.1	1627	1373	5404	3.94

Data entry by: SR Date: 05/08/2008
Data checked by: cal Date: 5/09/08
FileName: TTT0TT5

ADVANCED TERRA TESTING, INC. ATT


CONSOLIDATION DATA
Tt-5, 34.0', Stage 2 of 3, A
Volume Deflection in cc
1
0
-1
-2
-3
0.25
0.5
1
2
4
9
16
30
60
120
240
360
0
5
10
15
20
Square Root of Time in Minutes
Time in Minutes


TRIAXIAL TEST - TX/CUpp
Tt-5, 34.0', Stage 2 of 3, A
Deviator Stress - psf
Thousands
5
4
3
2
1
0
0
0.5
1
1.5
2
2.5
Percent Axial Strain
Deviator Stress
Delta Pore Pres.

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT Tetra Tech MM (Fort Collins)

JOB NO. 2592-04

BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	34.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 3 of 3, A	TEST FINISHED	05-07-08 CAL
SOIL DESCR.	#141-181750	CELL NUMBER	17S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	6000

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER CONSOL
Wt. Soil + Moisture (g)	368.5	384.4
Wt. Wet Soil & Pan (g)	375.3	391.2
Wt. Dry Soil & Pan (g)	325.7	325.7
Wt. Lost Moisture (g)	49.6	65.5
Wt. of Pan Only (g)	6.8	6.8
Wt. of Dry Soil (g)	318.9	318.9
Moisture Content %	15.6	20.5
Wet Density PCF	126.0	133.3
Dry Density PCF	109.0	110.6

Init. Diameter (in)	1.966
Init. Area (sq in)	3.036
Init. Height (in)	3.671
Vol. Bef. Consol. (cu ft)	0.00645
Vol. After Consol. (cu ft)	0.00636

Notes & Comments:

Data entry by: SR Date: 05/08/2008
Data checked by: ae Date: 5/09/08
FileName: TTT0TT5

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	34.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 3 of 3, A	TEST FINISHED	05-07-08 CAL
SOIL DESCR.	#141-181750	CELL NUMBER	17S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	6000

CONSOLIDATION DATA

Elapsed Time (Min)	SQRT TIME (Min)	Burette Reading (CC)	Vol. Defl. (CC)
0.00	0.0	20.70	0.00
0.25	0.5	22.30	-1.60
0.5	0.7	22.50	-1.80
1	1.0	22.70	-2.00
2	1.4	23.00	-2.30
4	2.0	23.40	-2.70
9	3.0	23.95	-3.25
16	4.0	24.20	-3.50
30	5.5	24.40	-3.70
60	7.7	24.60	-3.90
120	11.0	24.70	-4.00
240	15.5	24.80	-4.10
360	19.0	24.90	-4.20

Initial Height (in)	3.671	Init. Vol. (CC)	182.67
Height Change (in)	-0.001	Vol. Change (CC)	4.50
Ht. After Cons. (in)	3.672	Cell Exp. (CC)	1.87
Initial Area (sq in)	3.036	Net Change (CC)	2.63
Area After Cons. (sq in)	2.992	Cons. Vol. (CC)	180.04

Data entry by: SR Date: 05/08/2008
Data checked by: cal Date: 5/09/08
FileName: TTT0TT5

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

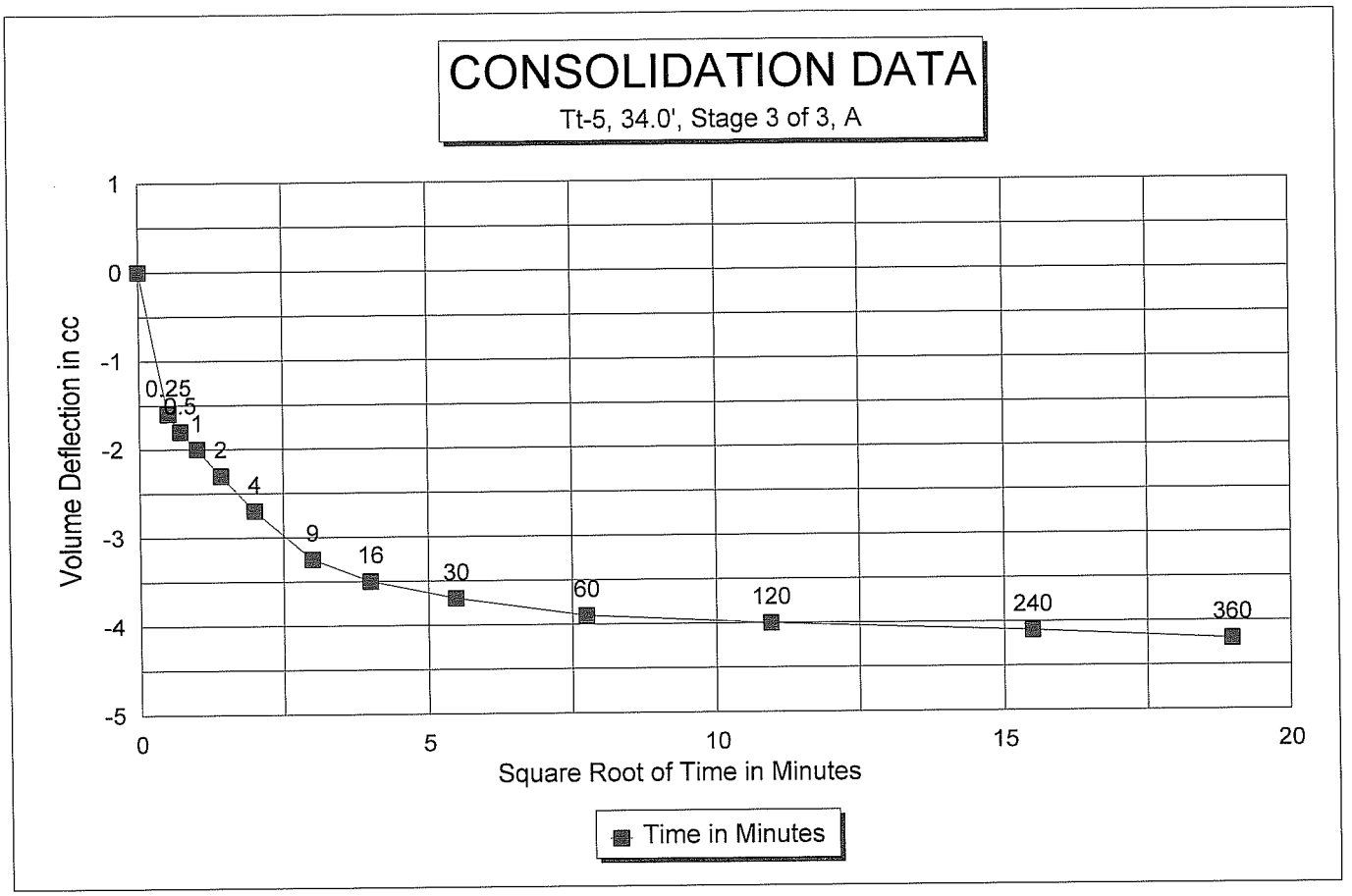
CLIENT	Tetra Tech MM (Fort Collins)	JOB NO.	2592-04
BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	34.0'	TEST STARTED	04-18-08 CAL
SAMPLE NO.	Stage 3 of 3, A	TEST FINISHED	05-07-08 CAL
SOIL DESCR.	#141-181750	CELL NUMBER	17S
LOCATION	Rocky Flats OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	6000

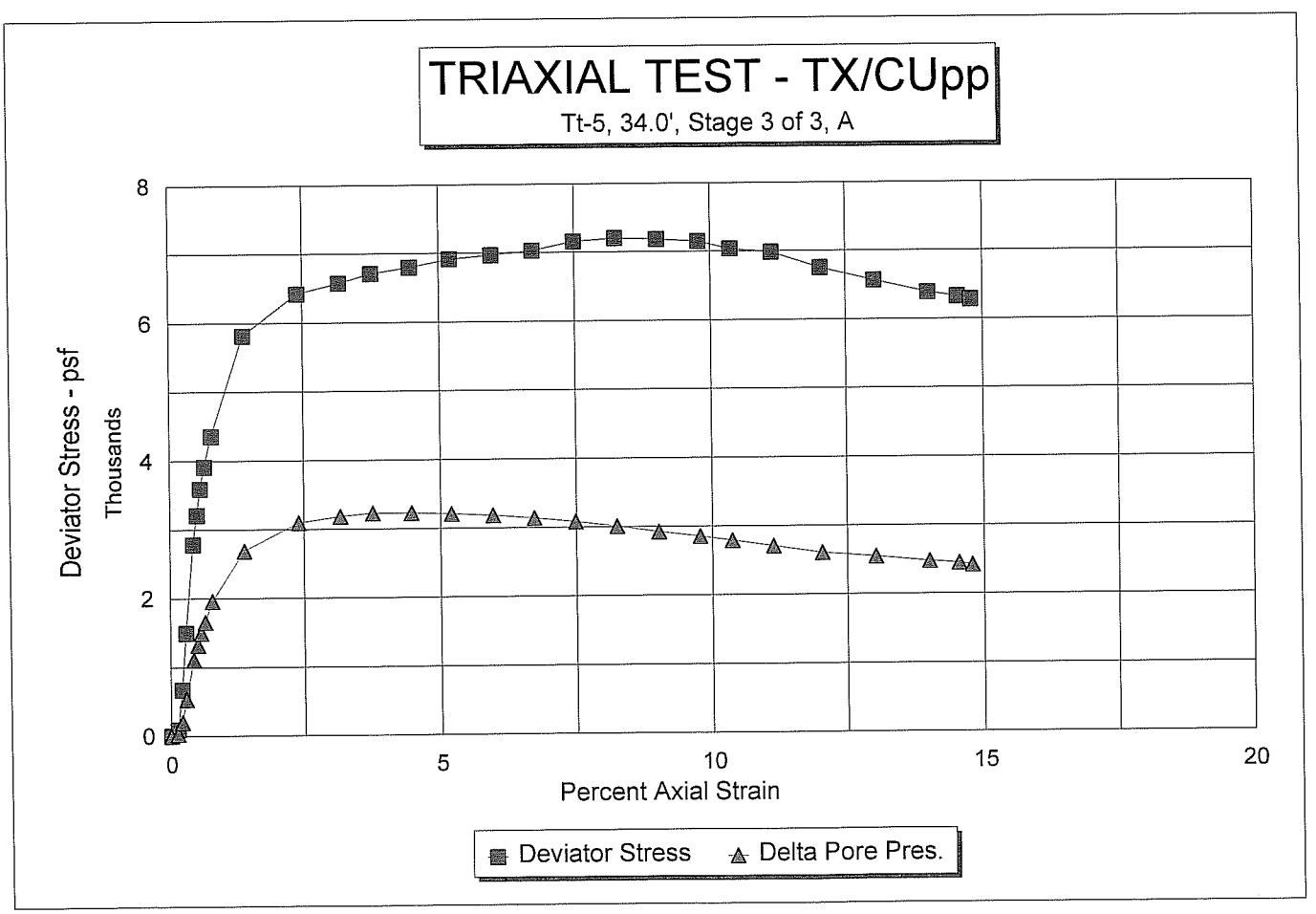
Init. Ht. (in)	3.671	Init. Area (sq in)	3.036
Consol. Ht. (in)	3.672	Consol. Area (sq in)	2.992
Back Pres. PSI	98.2	Strain Rate (in/min)	0.002

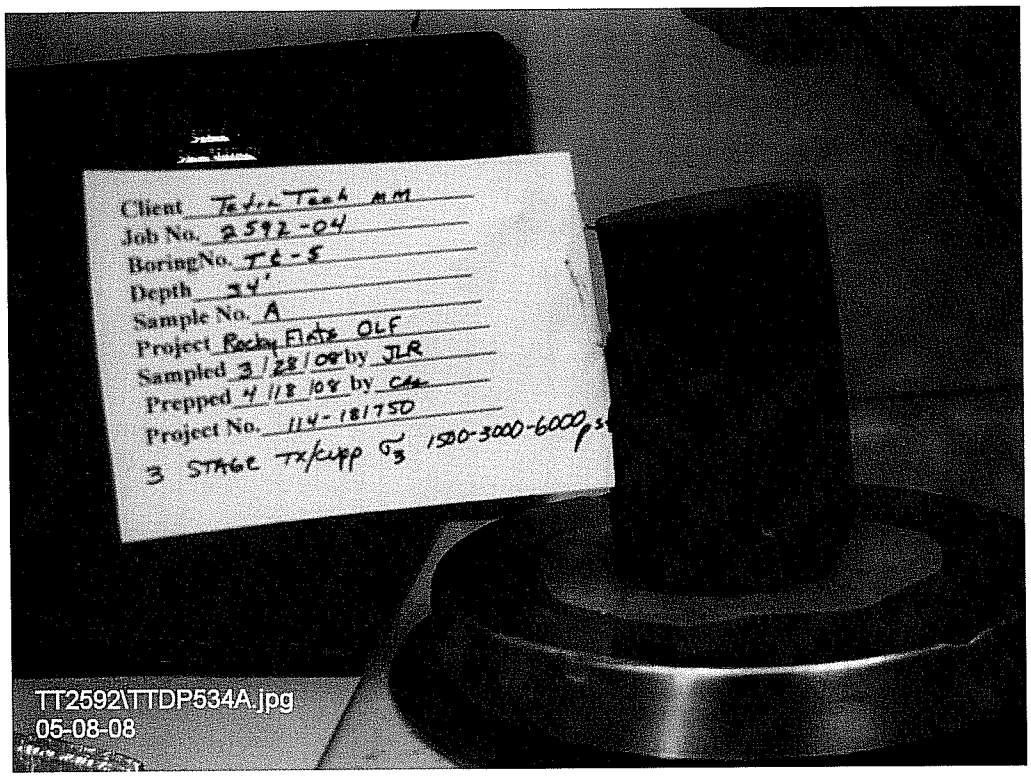
Axial Load Lbs.	Axial Load PSF	Delta Ht. In.	Axial % Strain	Area Final Sq In.	Dev. Stress PSF	Pore Pres. PSI	Delta Pres. PSF	σ 3' PSF	σ 1' PSF	Prin. Stress Ratio
0.0	0	0.00	0.00	2.992	0	98.2	0	6000	6000	1.00
2.0	96	0.005	0.14	2.996	96	98.4	29	5971	6067	1.02
14.0	674	0.008	0.22	2.998	672	99.6	202	5798	6471	1.12
31.2	1502	0.011	0.30	3.001	1497	101.9	533	5467	6964	1.27
58.1	2796	0.016	0.44	3.005	2784	105.9	1109	4891	7675	1.57
67.1	3230	0.019	0.52	3.007	3213	107.4	1325	4675	7888	1.69
75.0	3610	0.021	0.57	3.009	3589	108.6	1498	4502	8092	1.80
81.8	3937	0.024	0.65	3.012	3911	109.7	1656	4344	8255	1.90
91.2	4389	0.029	0.79	3.016	4355	111.8	1958	4042	8396	2.08
122.5	5896	0.051	1.39	3.034	5814	116.9	2693	3307	9121	2.76
136.7	6579	0.088	2.40	3.065	6422	119.7	3096	2904	9326	3.21
141.0	6786	0.116	3.16	3.089	6572	120.3	3182	2818	9390	3.33
144.8	6969	0.138	3.76	3.109	6707	120.6	3226	2774	9482	3.42
147.9	7118	0.164	4.47	3.132	6801	120.6	3226	2774	9575	3.45
151.6	7297	0.191	5.20	3.156	6917	120.5	3211	2789	9706	3.48
154.0	7412	0.219	5.96	3.182	6970	120.3	3182	2818	9788	3.47
156.6	7537	0.247	6.73	3.208	7030	120.0	3139	2861	9891	3.46
160.8	7739	0.275	7.49	3.234	7160	119.6	3082	2918	10078	3.45
163.1	7850	0.303	8.25	3.261	7202	119.1	3010	2990	10193	3.41
164.1	7898	0.331	9.02	3.288	7186	118.5	2923	3077	10263	3.34
164.6	7922	0.359	9.78	3.316	7148	118.0	2851	3149	10296	3.27
163.2	7855	0.381	10.38	3.338	7040	117.6	2794	3206	10246	3.20
163.3	7860	0.409	11.14	3.367	6984	117.0	2707	3293	10277	3.12
159.6	7682	0.442	12.04	3.401	6757	116.3	2606	3394	10150	2.99
156.9	7552	0.478	13.02	3.440	6568	115.9	2549	3451	10020	2.90
154.4	7431	0.514	14.00	3.479	6391	115.4	2477	3523	9914	2.81
153.9	7407	0.534	14.54	3.501	6330	115.2	2448	3552	9882	2.78
153.2	7374	0.543	14.79	3.511	6283	115.0	2419	3581	9864	2.75

Data entry by: SR Date: 05/08/2008
Data checked by: cal Date: 5/09/08
FileName: TTT0TT5

ADVANCED TERRA TESTING, INC. ATT


CONSOLIDATION DATA
Tt-5, 34.0', Stage 3 of 3, A
Volume Deflection in cc
1
0
-1
-2
-3
-4
-5
0.25
0.5
1
2
4
9
16
30
60
120
240
360
0
5
10
15
20
Square Root of Time in Minutes
Time in Minutes


TRIAXIAL TEST - TX/CUpp
Tt-5, 34.0', Stage 3 of 3, A
Deviator Stress - psf
Thousands
8
6
4
2
0
0
5
10
15
20
Percent Axial Strain
Deviator Stress
Delta Pore Pres.


Client Tetra Tech MM
Job No. 2592-04
Boring No. TT-5
Depth 34'
Sample No. A
Project Rocky Flats OLF
Sampled 3/28/08 by JLR
Prepped 4/18/08 by CAL
Project No. 114-181750
3 STAGE TX/CUPP σ3 1500-3000-6000 psi
TT2592\TTDP534A.jpg
05-08-08

Moisture & Organic Content Determinations
ASTM D 2974

CLIENT: Tetra Tech JOB NO.: 2592-04
LOCATION: Rocky Flats, OLF, #114-181750

BORING	Tt-7	Tt-5	Tt-2
SAMPLE DEPTH	9.0-10.0'	19.0-20.0'	15.5-16.0'
SAMPLE NO.			
DATE SAMPLED			
DATE TESTED	04-24-08 TMR	04-24-08 TMR	04-24-08 TMR
SOIL DESCRIPTION			
MOISTURE DETERMINATIONS			
Wt. Wet Soil & Dish (gms)	371.96	262.34	365.30
Wt. Dry Soil & Dish (gms)	367.93	260.33	362.85
Net Loss of Moisture (gms)	4.03	2.01	2.45
Wt. of Dish (gms)	120.33	110.14	121.31
Wt. of Dry Soil (gms)	247.60	150.19	241.54
Moisture Content (%)	1.6	1.3	1.0
ORGANIC CONTENT DETERMINATIONS			
Wt. Dry Soil & Dish (gms)	367.93	260.33	362.85
Wt. Ash & Dish (gms)	353.22	256.94	355.69
Wt. Organic Matter [A] (gms)	14.71	3.39	7.16
Wt. of Dish (gms)	120.33	110.14	121.31
Wt. of Ash [B] (gms)	232.89	146.80	234.38
Organic Matter Content (%)	5.9	2.3	3.0

% Organic Matter = [A/(A+B)]*100

Data entered by: SR Date: 04/24/2008
Data checked by: BKL Date: 4.25.08
FileName: TTO0T752

ADVANCED TERRA TESTING, INC. ATT

Moisture & Density Determinations
ASTM D 2216 & D 2937

CLIENT: Tetra Tech MM (Fort Collins) JOB NO.: 2592-04
LOCATION: Rocky Flats OLF, Project #114-181750

BORING	Tt-4
SAMPLE DEPTH	3.0-6.0'
SAMPLE NO.	
DATE SAMPLED	
DATE TESTED	04-21-08 CAL
SOIL DESCRIPTION	

DENSITY DETERMINATIONS	
Sample Height (IN)	12.231
Sample Diameter (IN)	3.746
Wt of Wet Soil (GMs)	4356.00
Sample Volume (CU Ft)	0.07801
WET DENSITY (PCF)	123.1
DRY DENSITY (PCF)	105.2

MOISTURE DETERMINATIONS	
Wt. of Wet Soil & Dish (gms)	2233.80
Wt. of Dry Soil & Dish (gms)	1914.80
Net Loss of Moisture (gms)	319.00
Wt. of Dish (gms)	35.70
Wt. of Dry Soil (gms)	1879.10
Moisture Content (%)	17.0

Data entered by: SR Date: 04/22/2008
Data checked by: BKL Date: 4.23.08
FileName: TTMDTT4

ADVANCED TERRA TESTING, INC. ATT

Moisture & Density Determinations
ASTM D 2216 & D 2937

CLIENT: Tetra Tech JOB NO.: 2592-04
LOCATION: Rocky Flats, Original Location, #114-181750

BORING		
SAMPLE DEPTH	Tt-7	Tt-1
SAMPLE NO.	6.0-7.0'	8.5-9.0'
DATE SAMPLED		
DATE TESTED	04-18-08 TMR	04-18-08 TMR
SOIL DESCRIPTION		

DENSITY DETERMINATIONS		
Sample Height (IN)	5.372	5.141
Sample Diameter (IN)	3.470	3.753
Wt of Wet Soil (GMs)	1740.60	2015.50
Sample Volume (CU Ft)	0.02940	0.03291
WET DENSITY (PCF)	130.5	135.0
DRY DENSITY (PCF)	108.7	123.5

MOISTURE DETERMINATIONS		
Wt. of Wet Soil & Dish (gms)	3156.00	2590.40
Wt. of Dry Soil & Dish (gms)	2635.10	2373.60
Net Loss of Moisture (gms)	520.90	216.80
Wt. of Dish (gms)	34.10	36.70
Wt. of Dry Soil (gms)	2601.00	2336.90
Moisture Content (%)	20.0	9.3

Data entered by: SR Date: 04/21/2008
Data checked by: BKL Date: 4.22.08
FileName: TTMDTT71

ADVANCED TERRA TESTING, Inc. ATT

ATTERBERG LIMITS TEST
ASTM D 4318

CLIENT	Tetra Tech	JOB NO.	2592-04
BORING NO.	Tt-7	DATE SAMPLED	
DEPTH	9.0-10.0'	DATE TESTED	04-23-08 WAR
SAMPLE NO.			
SOIL DESCR.	#114-181750		
LOCATION	Rocky Flats OLF		

Plastic Limit Determination

	1	2	3
Wt Dish & Wet Soil	7.24	8.60	8.05
Wt Dish & Dry Soil	6.27	7.41	6.93
Wt of Moisture	0.97	1.19	1.12
Wt of Dish	1.11	1.14	1.14
Wt of Dry Soil	5.16	6.27	5.79
Moisture Content	18.80	18.98	19.34

Liquid Limit Determination — Device Number 0966

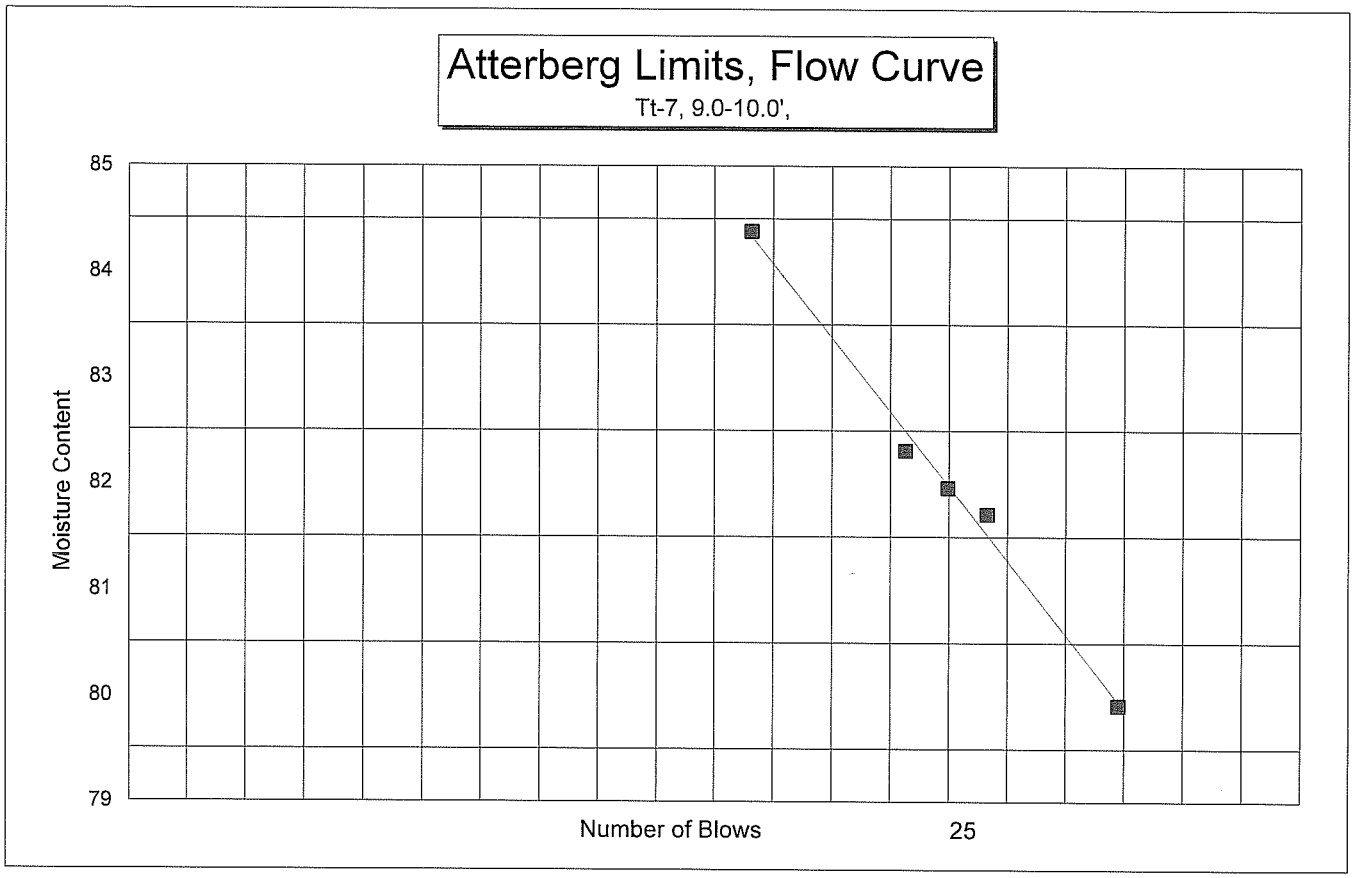
	1	2	3	4	5
Number of Blows	35	25	27	23	17
Wt Dish & Wet Soil	9.26	12.85	14.06	13.28	13.77
Wt Dish & Dry Soil	5.64	7.58	8.25	7.79	7.99
Wt of Moisture	3.62	5.27	5.81	5.49	5.78
Wt of Dish	1.11	1.15	1.14	1.12	1.14
Wt of Dry Soil	4.53	6.43	7.11	6.67	6.85
Moisture Content	79.91	81.96	81.72	82.31	84.38

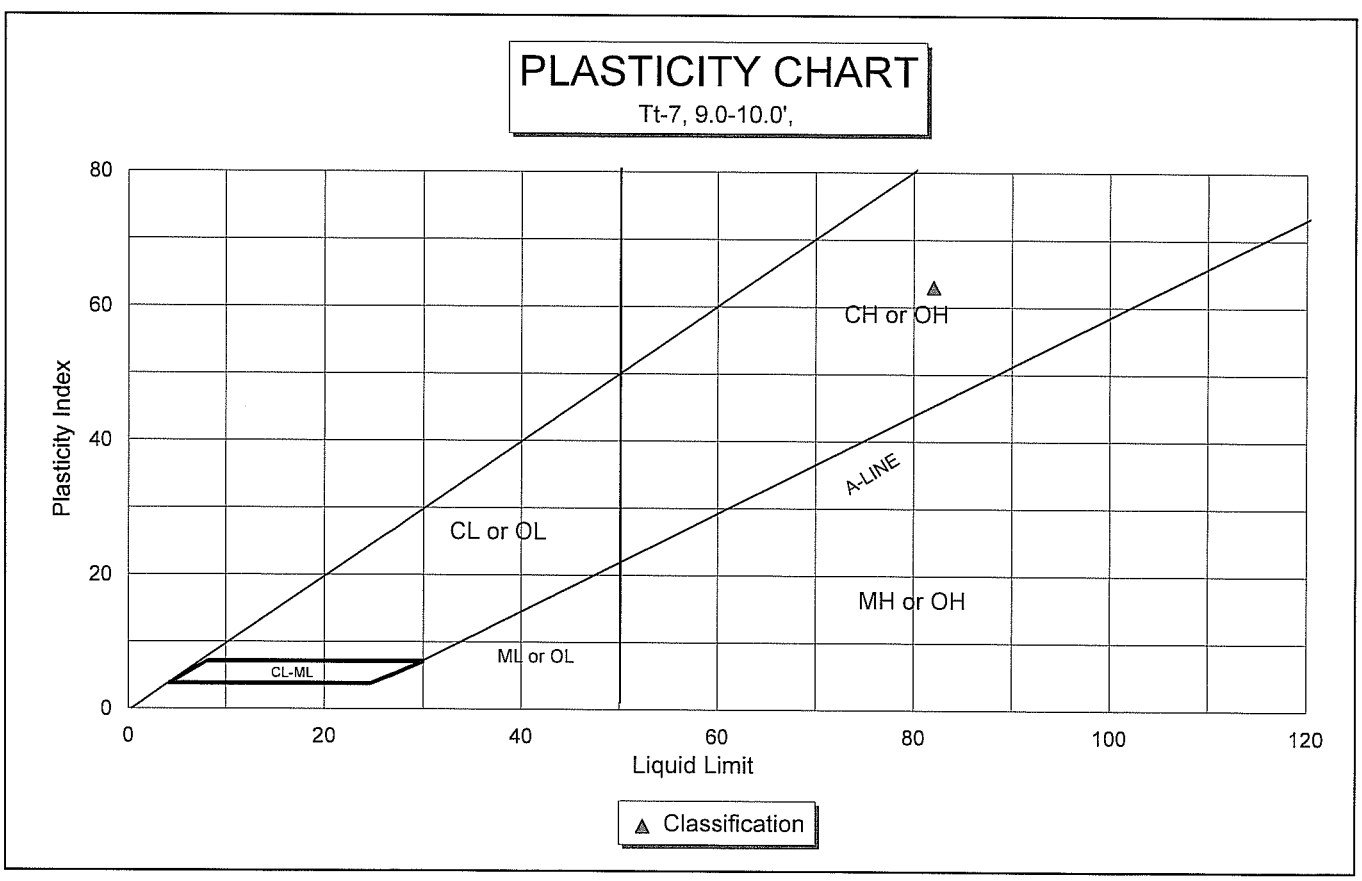
Liquid Limit	82.0
Plastic Limit	19.0
Plasticity Index	62.9

Atterberg Classification CH

Data entry by: SR Date: 04/24/2008
Checked by: BKL Date: 4.25.08
FileName: TTG0TT7

ADVANCED TERRA TESTING, INC. ATT


Atterberg Limits, Flow Curve
Tt-7, 9.0-10.0',
Moisture Content
85
84
83
82
81
80
79
Number of Blows
25


PLASTICITY CHART
Tt-7, 9.0-10.0',
Plasticity Index
80
60
40
20
0
CH or OH
A-LINE
CL or OL
MH or OH
ML or OL
CL-ML
0
20
40
60
80
100
120
Liquid Limit
Classification

MECHANICAL ANALYSIS - SIEVE TEST DATA
ASTM D-6913

CLIENT Tetra Tech

JOB NO. 2592-04

BORING NO.	Tt-7
DEPTH	9.0-10.0'
SAMPLE NO.	
SOIL DESCR.	#114-181750
LOCATION	Rocky Flats OLF

SAMPLED	
DATE TESTED	04-23-08 TMR
WASH SIEVE	Yes
DRY SIEVE	No

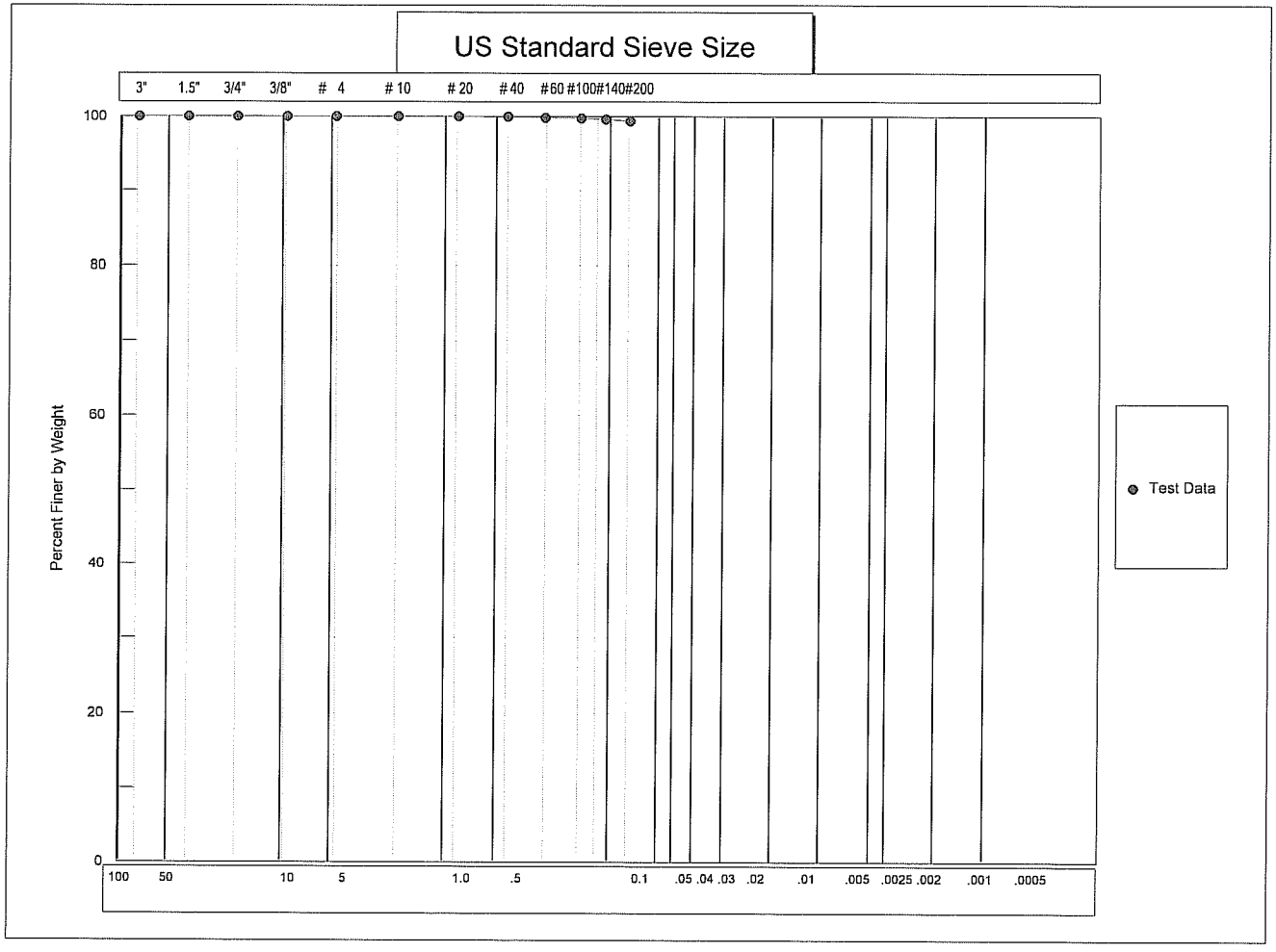
WASH SIEVE ANALYSIS

Wt. Wet Soil & Pan Before Washing (g)	1162.5
Wt. Dry Soil & Pan Before Washing (g)	1155.3
Weight of Pan (g)	843.2
Wt. of Dry Soil Before Washing	312.1
Wt. Dry Soil & Pan After Washing (g)	845.1
Wt. of Dry Soil After Washing (g)	1.9
-#200 Wash. Out %	99.4

Sieve Number (Size)	Pan Weight (g)	Indiv. Wt. + Pan (g)	Indiv. Wt. Retain.	Cum. Wt. Retain.	Cum. % Retain.	% Finer By Wt.
3"	0.00	0.00	0.00	0.00	0.0	100.0
1 1/2"	0.00	0.00	0.00	0.00	0.0	100.0
3/4"	0.00	0.00	0.00	0.00	0.0	100.0
3/8"	0.00	0.00	0.00	0.00	0.0	100.0
#4	0.00	0.00	0.00	0.00	0.0	100.0
#10	0.00	0.00	0.00	0.00	0.0	100.0
#20	3.75	3.78	0.03	0.03	0.0	100.0
#40	3.10	3.30	0.20	0.23	0.1	99.9
#60	3.68	3.98	0.30	0.53	0.2	99.8
#100	3.20	3.49	0.29	0.82	0.3	99.7
#140	3.09	3.44	0.35	1.17	0.4	99.6
#200	3.18	3.91	0.73	1.90	0.6	99.4

Data entered by: SR Date: 04/24/2008
Data checked by: BKL Date: 4.25.08
FileName: TTM0TT7

ADVANCED TERRA TESTING, INC. ATT



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	CRS	MEDIUM	FINE	

USCS

COBBLES TO BOULDERS	PEBBLE GRAVEL				SAND			SILT	CLAY
	COARSE	MED	FINE	GRAN	COARSE	MED	FINE		

WENTWORTH

Client: Tetra Tech
Job Number: 2592-04
Classification **N/A**

Boring No.: Tt-7
Depth: 9.0-10.0'

Sample No.:

MECHANICAL ANALYSIS - SIEVE TEST DATA
ASTM D-6913

CLIENT Tetra Tech

JOB NO. 2592-04

BORING NO.	Tt-2
DEPTH	15.5-16.0'
SAMPLE NO.	
SOIL DESCR.	#114-181750
LOCATION	Rocky Flats OLF

SAMPLED	
DATE TESTED	04-23-08 TMR
WASH SIEVE	Yes
DRY SIEVE	No

MOISTURE DATA

Wt. Wet Soil & Pan (g)	1052.0
Wt. Dry Soil & Pan (g)	1049.6
Wt. Lost Moisture (g)	2.3
Wt. of Pan Only (g)	814.9
Wt. of Dry Soil (g)	234.8
Moisture Content %	1.0

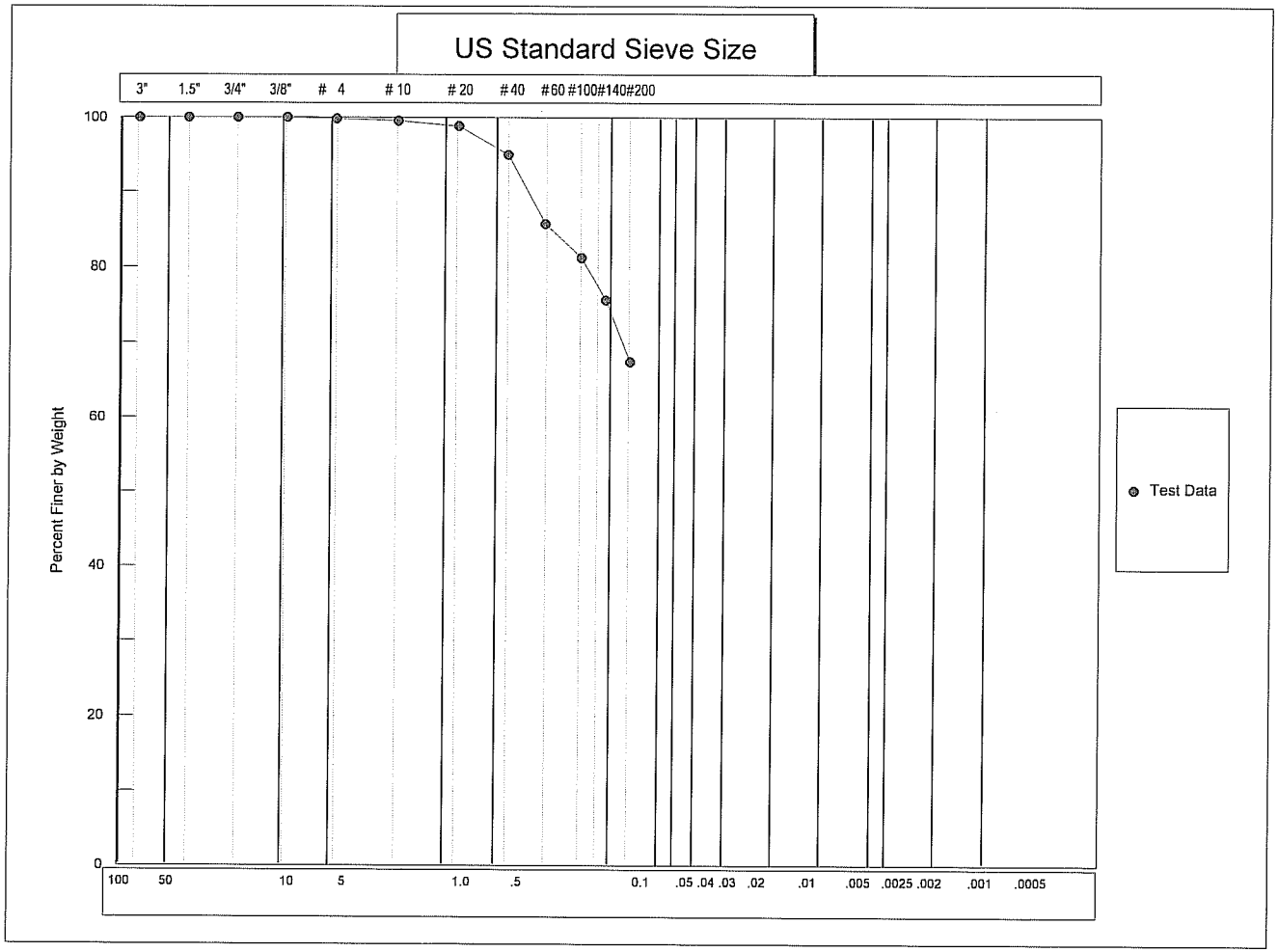
WASH SIEVE ANALYSIS

Wt. Wet Soil & Pan Before Washing (g)	1052.0
Wt. Dry Soil & Pan Before Washing (g)	1049.6
Weight of Pan (g)	814.9
Wt. of Dry Soil Before Washing	234.8
Wt. Dry Soil & Pan After Washing (g)	891.2
Wt. of Dry Soil After Washing (g)	76.3
-#200 Wash. Out %	67.5

Sieve Number (Size)	Pan Weight (g)	Indiv. Wt. + Pan (g)	Indiv. Wt. Retain.	Cum. Wt. Retain.	Cum. % Retain.	% Finer By Wt.
3"	0.00	0.00	0.00	0.00	0.0	100.0
1 1/2"	0.00	0.00	0.00	0.00	0.0	100.0
3/4"	0.00	0.00	0.00	0.00	0.0	100.0
3/8"	0.00	0.00	0.00	0.00	0.0	100.0
#4	3.24	3.68	0.44	0.44	0.2	99.8
#10	3.10	3.80	0.70	1.14	0.5	99.5
#20	3.65	5.29	1.64	2.78	1.2	98.8
#40	3.10	12.11	9.01	11.79	5.0	95.0
#60	3.16	24.96	21.80	33.59	14.3	85.7
#100	3.61	14.15	10.54	44.13	18.8	81.2
#140	3.20	16.28	13.08	57.21	24.4	75.6
#200	3.65	22.79	19.14	76.35	32.5	67.5

Data entered by: SR Date: 04/24/2008
Data checked by: BLL Date: 4.25.08
FileName: TTM0TT2

ADVANCED TERRA TESTING, INC. ATT



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	CRS	MEDIUM	FINE	

USCS

COBBLES TO BOULDERS	PEBBLE GRAVEL				SAND			SILT	CLAY
	COARSE	MED	FINE	GRAN	COARSE	MED	FINE		

WENTWORTH

Client: Tetra Tech
Job Number: 2592-04
Classification **N/A**

Boring No.: Tt-2
Depth: 15.5-16.0'

Sample No.:

MECHANICAL ANALYSIS - SIEVE TEST DATA
ASTM D 6913

CLIENT	Tetra Tech	JOB NO.	2592-04
BORING NO.	Tt-4, Tt-7, Tt-5	SAMPLED	
DEPTH	6.0-10.0', 5.0-10.0', 5.0-8.0'	DATE+#4 WASHED	04-24-08 WAR
SAMPLE NO.	Composite	DATE -#4 WASHED	04-24-08 WAR
SOIL DESCR.	#114-181750	WASH SIEVE	Yes
LOCATION	Rocky Flats, OLF	DRY SIEVE	No

MOISTURE DATA

HYGROSCOPIC	Yes
NATURAL	No

Wt. Wet Soil & Pan (g)	53.75
Wt. Dry Soil & Pan (g)	52.54
Wt. Lost Moisture (g)	1.21
Wt. of Pan Only (g)	3.75
Wt. of Dry Soil (g)	48.79
Moisture Content %	2.5

Wt. Partial -#4 Sample Wet (g)	225.39
Wt. Partial Sample Dry (g)	219.94

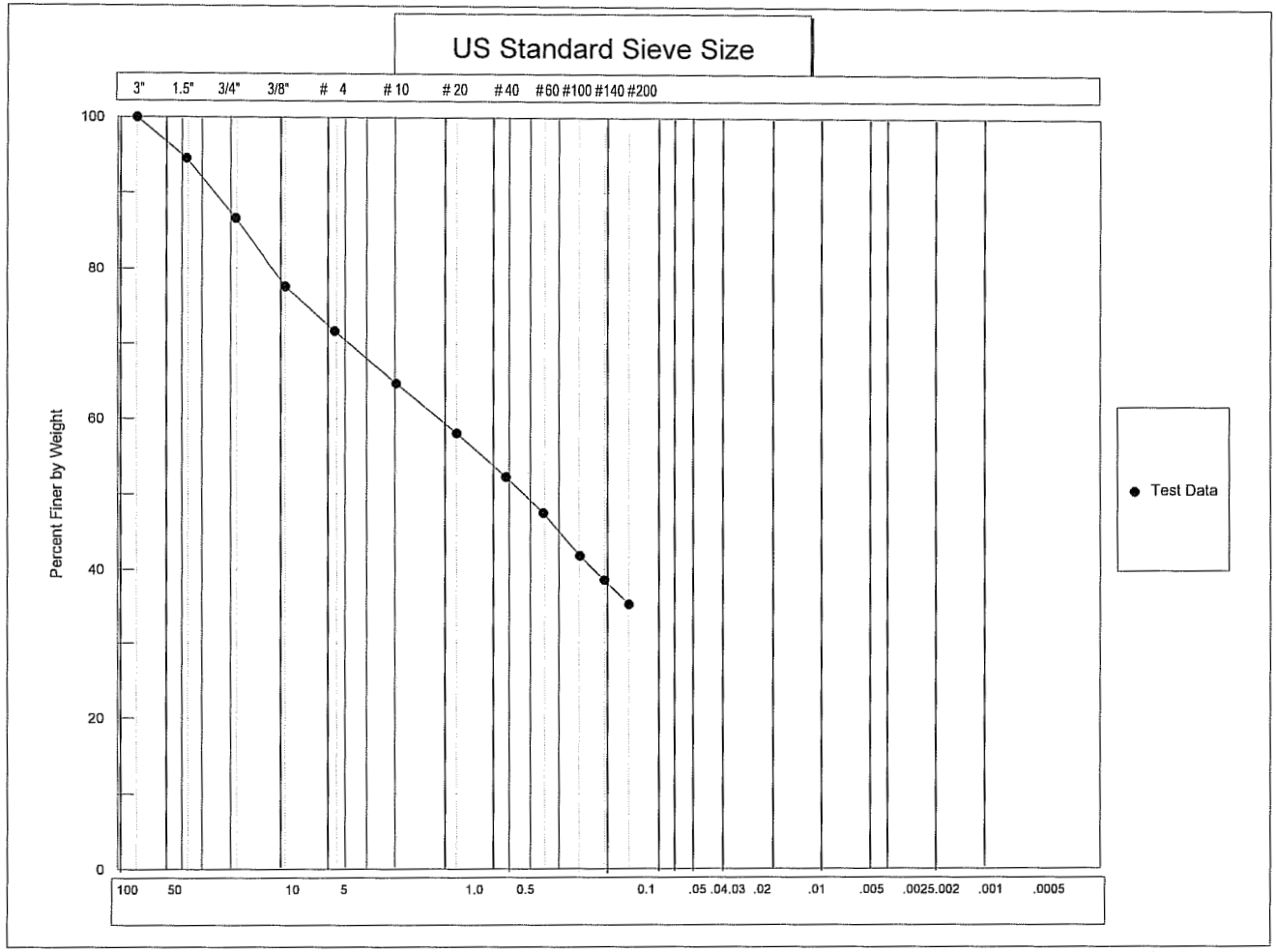
WASH SIEVE ANALYSIS

Wt. Total Sample Wet (g)	3474.61
Weight of + #4 Before Washing (g)	1012.81
Weight of + #4 After Washing (g)	967.97
Weight of - #4 Wet (g)	2461.80
Weight of - #4 Dry (g)	2445.98
Wt. Total Sample Dry (g)	3413.95
Calc. Wt. "W" (g)	306.97
Calc. Mass + #4	87.04

Sieve Number (Size)	Pan Weight (g)	Indiv. Wt. + Pan (g)	Indiv. Wt. Retain.	Cum. Wt. Retain.	Cum. % Retain.	% Finer By Wt.
3"	0.00	0.00	0.00	0.00	0.0	100.0
1 1/2"	0.00	186.86	186.86	186.86	5.5	94.5
3/4"	0.00	270.86	270.86	457.72	13.4	86.6
3/8"	0.00	306.72	306.72	764.44	22.4	77.6
#4	0.00	203.53	203.53	967.97	28.4	71.6
#10	3.08	24.48	21.40	21.40	35.3	64.7
#20	3.18	23.53	20.35	41.75	42.0	58.0
#40	3.20	21.06	17.86	59.61	47.8	52.2
#60	3.17	17.83	14.66	74.27	52.5	47.5
#100	3.20	20.65	17.45	91.72	58.2	41.8
#140	3.19	13.49	10.30	102.02	61.6	38.4
#200	3.64	13.57	9.93	111.95	64.8	35.2

Data entered by: SR Date: 04/25/2008
Data checked by: DPM Date: 4/28/08
FileName: TTM0T475

ADVANCED TERRA TESTING, INC. ATT



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	CRS	MEDIUM	FINE	

USCS

COBBLES	PEBBLE GRAVEL				SAND			SILT	CLAY
TO BOULDERS	COARSE	MED	FINE	GRAN	COARSE	MED	FINE		

WENTWORTH

Client: Tetra Tech
Job Number: 2592-04
Classification: **Classification Not Performed**

Boring No.: Tt-4, Tt-7, Tt-5
Depth: 6.0-10.0', 5.0-10.0', 5.0-8.0'

Sample No.: Composite

DIRECT SHEAR TEST DATA
ASTM D 3080

CLIENT Tetra Tech

JOB NO. 2592-04

BORING NO.	Tt 3	SAMPLED	04/01/08 JLR
DEPTH	25'	TEST STARTED	04/11/08 DPM
SAMPLE NO.		TEST FINISHED	04/14/08 DPM
POINT	A	CELL NUMBER	Geomatic
SOIL DESCR.	Proj. #181750	SATURATED TEST	Yes
LOCATION	Rocky Flats OLF	TEST TYPE	CD
NORMAL STRESS (psf)	5992		

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER TEST
Wt. Soil + Moisture (g)	105.4	104.6
Wt. Wet Soil & Pan (g)	113.6	112.9
Wt. Dry Soil & Pan (g)	99.9	99.9
Wt. Lost Moisture (g)	13.7	13.0
Wt. of Pan Only (g)	8.3	8.3
Wt. of Dry Soil (g)	91.6	91.6
Moisture Content %	15.0	14.2
Wet Density (pcf)	136.1	140.0
Dry Density (pcf)	118.3	122.6

Init. Diameter (in)	1.938
Init. Area (sq in)	2.950
Init. Height (in)	1.000
Vol. Bef. Consol. (cu ft)	0.00171
Final Height (in)	0.965
Vol. After Consol. (cu ft)	0.00165

Test Set Up: Continuous Increasing Deflection Control
Shear Speed: 0.00180 in/min

Notes & Comments:

Data File Name: TTDS325A.DAT

Normal Stress:	5992 psf	41.61 psi
Peak Stress:	5203 psf	36.13 psi
Ultimate Stress:	5203 psf	36.13 psi

Data entry by: DPM Date: 04/16/2008
Data checked by: cor Date: 4/18/08
FileName: TTDS325

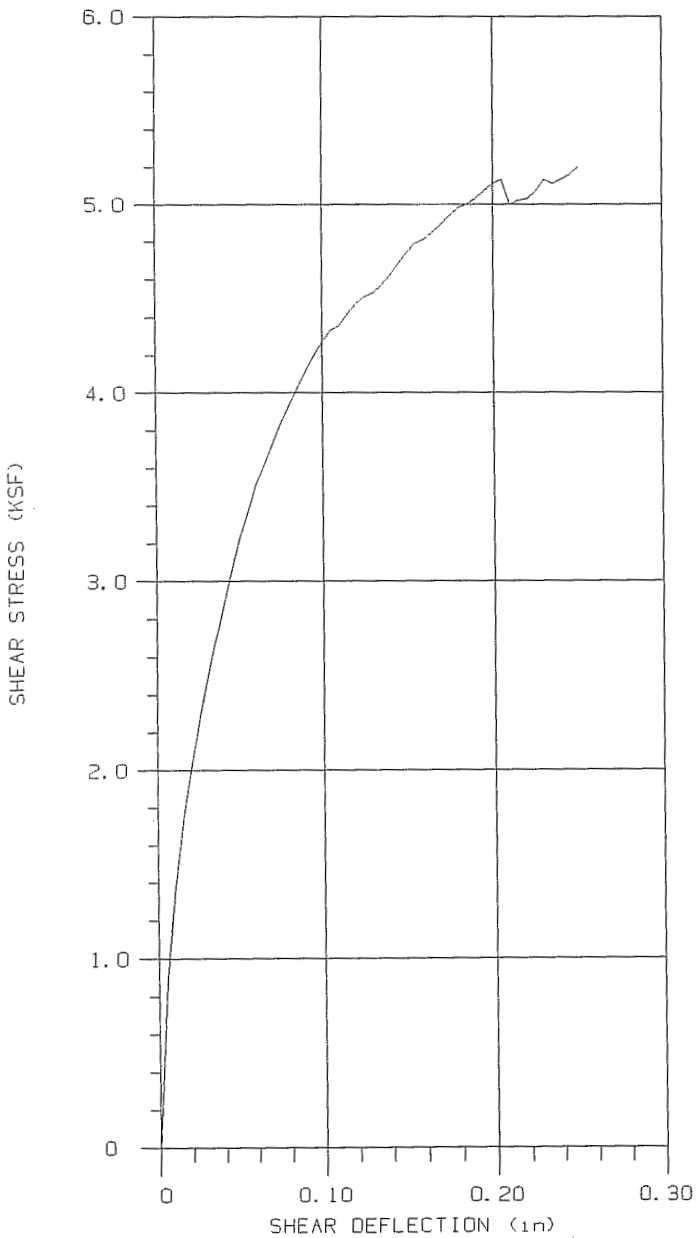
ADVANCED TERRA TESTING, Inc. ATT

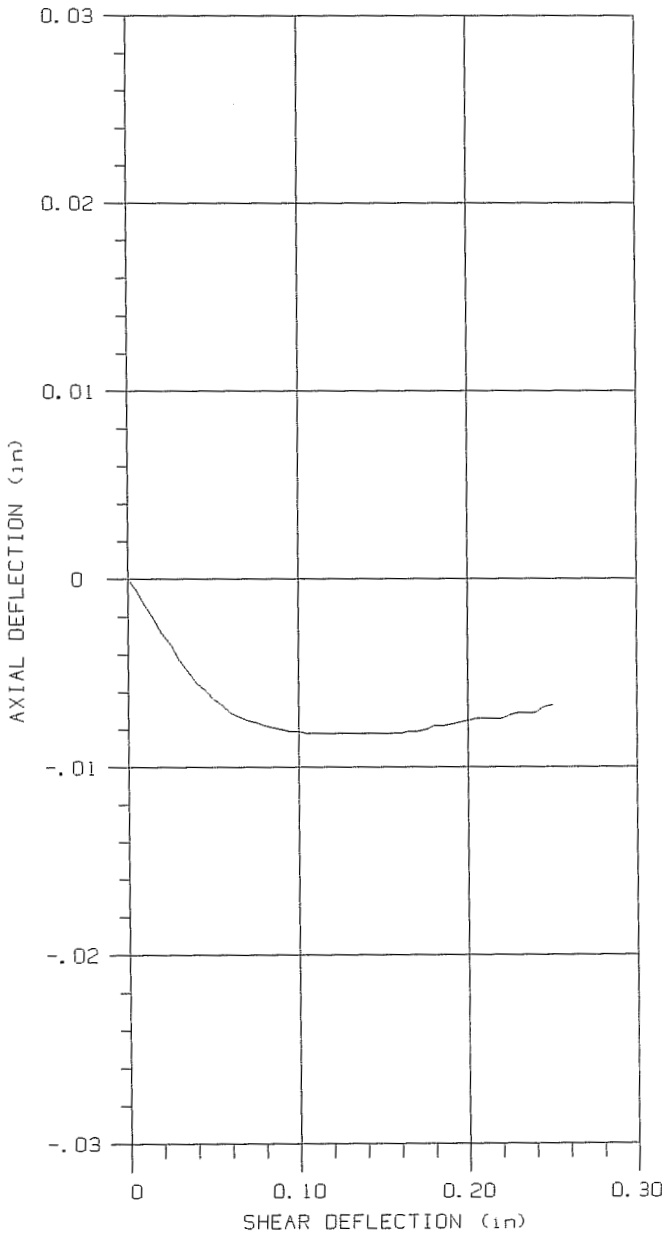
ADVANCED TERRA TESTING

Direct Shear Test

Client..... Tetra Tech
Location..... Rocky Flats OLF

Soil Type.....	181750		Job Number.....	2592-04
Depth.....	25'	(ft)	Sample Number...	Pt. A
Confining Pressure..	5992	(psf)	Boring.....	Tt 3
Shear Rate.....	.0018	(in/min)	File Name.....	ttds325a.DAT
Date Tested.....	04-14-2008		Tested By.....	DPM





Pass Number and Line Type....	1 ———	2 - - - - - -	3 ——— -	4 ——— - - -
Maximum Shear Stress.....	5203	.0000	.0000	.0000
Shear Deflection @ Max Stress.	.2465	.0000	.0000	.0000

EOMATIC Direct Shear Data

ile Name.....ttds325a.DAT
lient.....Tetra Tech
ob Number....2592-04
ocation.....Rocky Flats OLF
ate.....04-14-2008
echnician....DPM
ample Diameter (in).....1.9380
onfining Pressure (psf)..5992
umber of Passes.....1
hear Distance (in).....0.25
hear Rate (in/min).....0018
oil Type.....181750
oring Number.....Tt 3
ample Number.....Pt. A
epth (ft).....25'

SHEAR EFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.005	858	-.0006
0.010	1380	-.0014
0.015	1716	-.0021
0.020	2014	-.0029
0.025	2256	-.0035
0.030	2480	-.0043
0.035	2685	-.0049
0.040	2872	-.0055
0.045	3058	-.0059
0.050	3226	-.0064
0.055	3357	-.0067
0.060	3506	-.0071
0.065	3618	-.0073
0.070	3730	-.0075
0.075	3841	-.0076
0.080	3935	-.0078
0.085	4028	-.0079
0.090	4121	-.0080
0.095	4196	-.0081
0.100	4270	-.0081
0.105	4326	-.0082
0.110	4364	-.0082
0.115	4420	-.0082
0.120	4475	-.0082
0.125	4513	-.0082
0.130	4531	-.0082
0.135	4569	-.0082
0.140	4625	-.0082
0.145	4681	-.0082
0.150	4737	-.0082
0.155	4792	-.0082
0.160	4811	-.0082
0.165	4848	-.0081
0.170	4886	-.0081
0.175	4942	-.0080

ontinued next page.

Pass 1 Continued

SHEAR DEFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.180	4979	-.0078
0.185	4998	-.0078
0.190	5035	-.0077
0.195	5072	-.0076
0.200	5109	-.0075
0.205	5128	-.0074
0.210	4998	-.0074
0.215	5016	-.0074
0.220	5035	-.0074
0.225	5072	-.0072
0.230	5128	-.0071
0.235	5109	-.0071
0.240	5128	-.0071
0.245	5165	-.0068
0.250	5203	-.0067

Pass 1 completed with max load = 5203 psf at deflection of .2465 in

DIRECT SHEAR TEST DATA
ASTM D 3080

CLIENT Tetra Tech

JOB NO. 2592-04

BORING NO.	Tt 3	SAMPLED	04/01/08 JLR
DEPTH	25'	TEST STARTED	04/11/08 DPM
SAMPLE NO.		TEST FINISHED	04/14/08 DPM
POINT	B	CELL NUMBER	Geomatic
SOIL DESCR.	Proj. #181750	SATURATED TEST	Yes
LOCATION	Rocky Flats OLF	TEST TYPE	CD
NORMAL STRESS (psf)	3016		

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER TEST
Wt. Soil + Moisture (g)	103.5	103.1
Wt. Wet Soil & Pan (g)	112.0	111.6
Wt. Dry Soil & Pan (g)	97.4	97.4
Wt. Lost Moisture (g)	14.5	14.1
Wt. of Pan Only (g)	8.5	8.5
Wt. of Dry Soil (g)	89.0	89.0
Moisture Content %	16.3	15.9
Wet Density (pcf)	133.7	136.1
Dry Density (pcf)	114.9	117.5

Init. Diameter (in)	1.938
Init. Area (sq in)	2.950
Init. Height (in)	1.000
Vol. Bef. Consol. (cu ft)	0.00171
Final Height (in)	0.978
Vol. After Consol. (cu ft)	0.00167

Test Set Up: Continuous Increasing Deflection Control
Shear Speed: 0.00180 in/min

Notes & Comments:

Data File Name: TTDS325B.DAT

Normal Stress:	3016 psf	20.94 psi
Peak Stress:	2555 psf	17.74 psi
Ultimate Stress:	2517 psf	17.48 psi

Data entry by: DPM Date: 04/16/2008
Data checked by: cw Date: 4/18/08
FileName: TTDS325

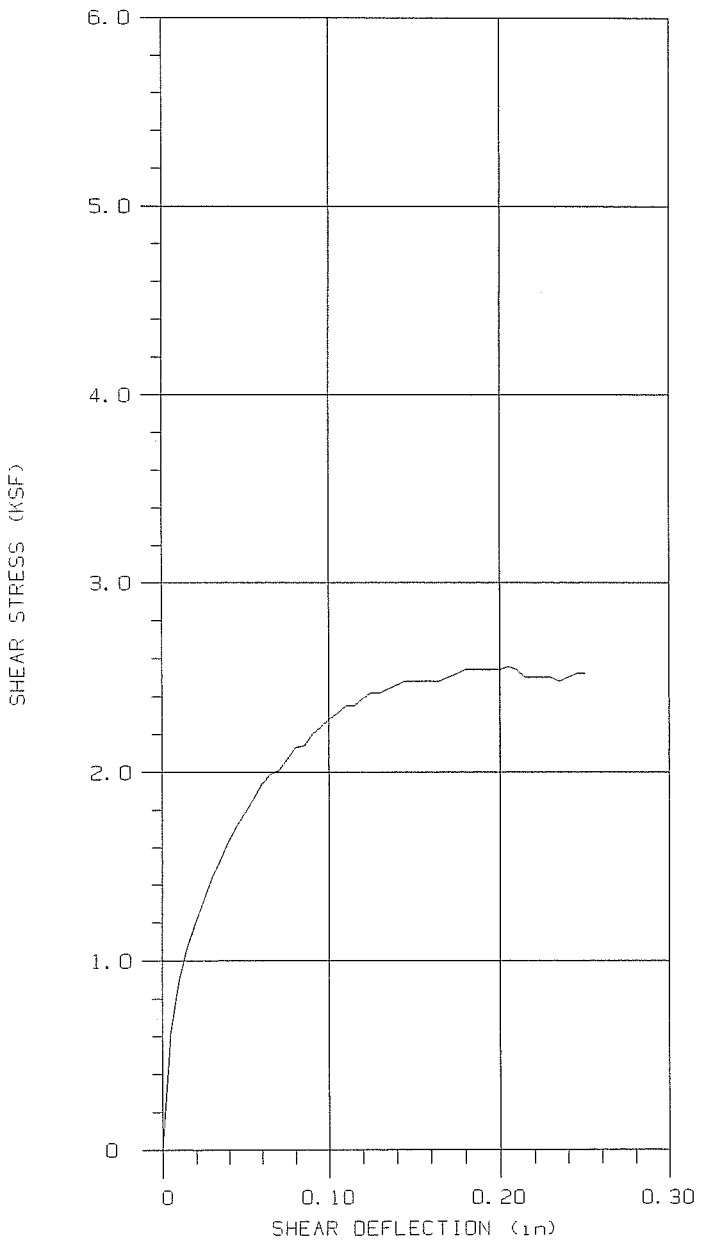
ADVANCED TERRA TESTING, Inc. ATT

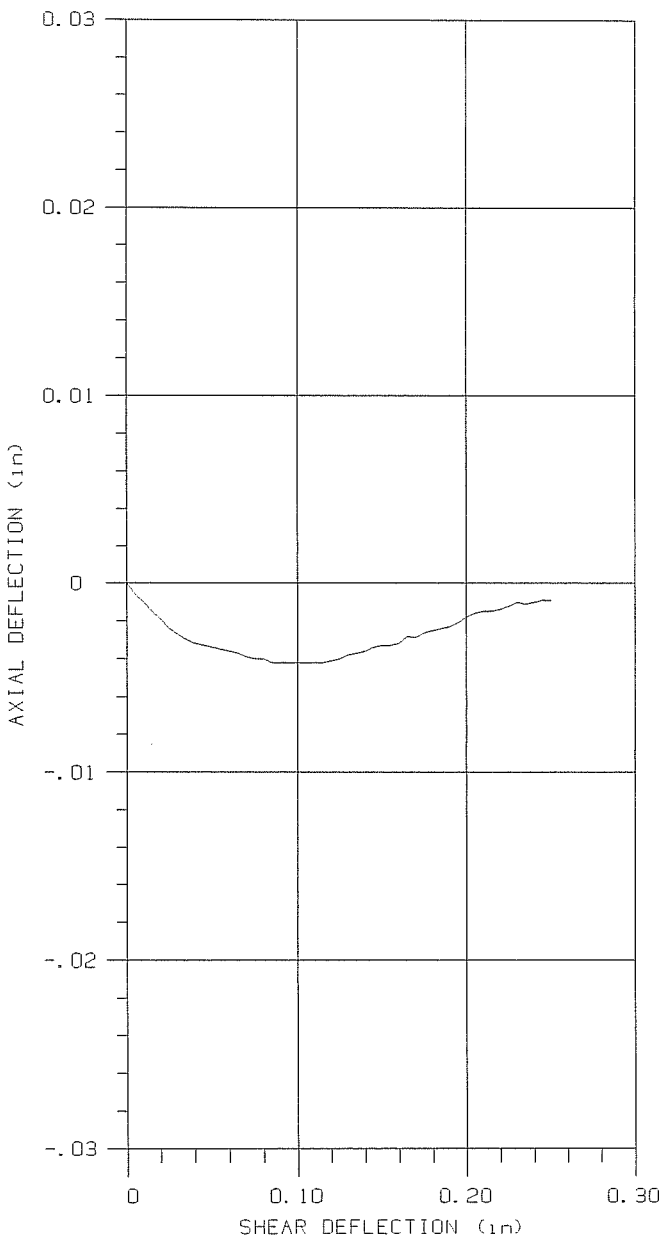
ADVANCED TERRA TESTING

Direct Shear Test

Client..... Tetra Tech
Location..... Rocky Flats OLF

Soil Type.....	181750		Job Number.....	2592-04
Depth.....	25'	(ft)	Sample Number...	Pt. B
Confining Pressure..	3016	(psf)	Boring.....	Tt 3
Shear Rate.....	.0018	(in/min)	File Name.....	ttds325b.DAT
Date Tested.....	04-14-2008		Tested By.....	DPM





Pass Number and Line Type....	1 ———	2 - - - - - -	3 —— -	4 —— - - —
Maximum Shear Stress.....	2555	.0000	.0000	.0000
Shear Deflection @ Max Stress.	.1977	.0000	.0000	.0000

EOMATIC Direct Shear Data

ile Name.....ttds325b.DAT
lient.....Tetra Tech
ob Number....2592-04
ocation.....Rocky Flats OLF
ate.....04-14-2008
echnician....DPM
ample Diameter (in).....1.9380
onfining Pressure (psf)..3016
umber of Passes.....1
hear Distance (in).....0.25
hear Rate (in/min).....0018
oil Type.....181750
oring Number.....Tt 3
ample Number.....Pt. B
epth (ft).....25'

SHEAR DEFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.005	615	-.0006
0.010	876	-.0010
0.015	1063	-.0015
0.020	1212	-.0019
0.025	1324	-.0024
0.030	1436	-.0027
0.035	1529	-.0030
0.040	1641	-.0032
0.045	1716	-.0033
0.050	1790	-.0034
0.055	1865	-.0035
0.060	1939	-.0036
0.065	1995	-.0037
0.070	2014	-.0039
0.075	2070	-.0040
0.080	2126	-.0040
0.085	2144	-.0042
0.090	2200	-.0042
0.095	2238	-.0042
0.100	2275	-.0042
0.105	2312	-.0042
0.110	2350	-.0042
0.115	2350	-.0042
0.120	2387	-.0041
0.125	2424	-.0040
0.130	2424	-.0038
0.135	2443	-.0037
0.140	2462	-.0036
0.145	2480	-.0034
0.150	2480	-.0033
0.155	2480	-.0033
0.160	2480	-.0032
0.165	2480	-.0028
0.170	2499	-.0029
0.175	2517	-.0026

Continued next page.

Pass 1 Continued

SHEAR DEFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.180	2536	-.0025
0.185	2536	-.0024
0.190	2536	-.0023
0.195	2536	-.0021
0.200	2536	-.0018
0.205	2555	-.0016
0.210	2536	-.0015
0.215	2499	-.0015
0.220	2499	-.0014
0.225	2499	-.0012
0.230	2499	-.0010
0.235	2480	-.0011
0.240	2499	-.0010
0.245	2517	-.0009
0.250	2517	-.0009

Pass 1 completed with max load = 2555 psf at deflection of .1977 in

DIRECT SHEAR TEST DATA
ASTM D 3080

CLIENT Tetra Tech

JOB NO. 2592-04

BORING NO.	Tt 3	SAMPLED	04/01/08 JLR
DEPTH	25'	TEST STARTED	04/11/08 DPM
SAMPLE NO.		TEST FINISHED	04/14/08 DPM
POINT	C	CELL NUMBER	Geomatic
SOIL DESCR.	Proj. #181750	SATURATED TEST	Yes
LOCATION	Rocky Flats OLF	TEST TYPE	CD
NORMAL STRESS (psf)	1508		

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER TEST
Wt. Soil + Moisture (g)	102.1	102.3
Wt. Wet Soil & Pan (g)	110.1	110.4
Wt. Dry Soil & Pan (g)	94.1	94.1
Wt. Lost Moisture (g)	16.1	16.3
Wt. of Pan Only (g)	8.1	8.1
Wt. of Dry Soil (g)	86.0	86.0
Moisture Content %	18.7	19.0
Wet Density (pcf)	131.8	133.5
Dry Density (pcf)	111.1	112.2

Init. Diameter (in)	1.938
Init. Area (sq in)	2.950
Init. Height (in)	1.000
Vol. Bef. Consol. (cu ft)	0.00171
Final Height (in)	0.990
Vol. After Consol. (cu ft)	0.00169

Test Set Up: Continuous Increasing Deflection Control
Shear Speed: 0.00180 in/min

Notes & Comments:

Data File Name: TTDS325C.DAT

Normal Stress:	1508 psf	10.47 psi
Peak Stress:	1268 psf	8.81 psi
Ultimate Stress:	1175 psf	8.16 psi

Data entry by: DPM Date: 04/16/2008
Data checked by: ae Date: 4/18/08
FileName: TTDS325

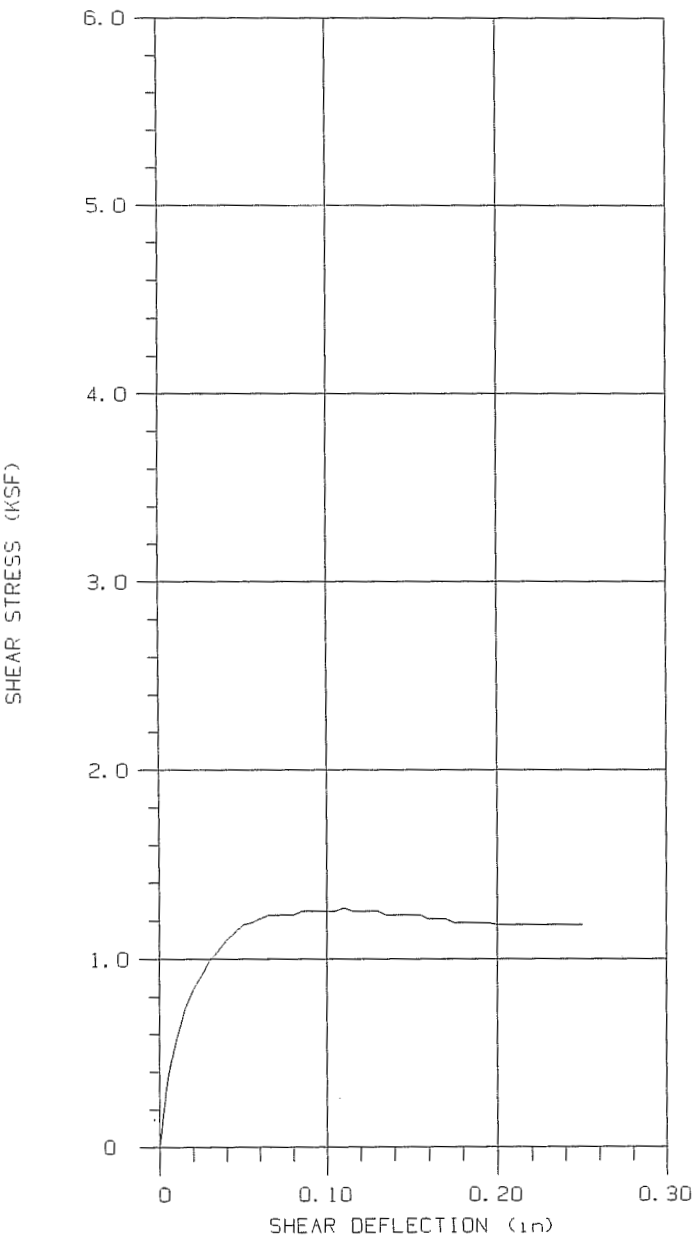
ADVANCED TERRA TESTING, INC. ATT

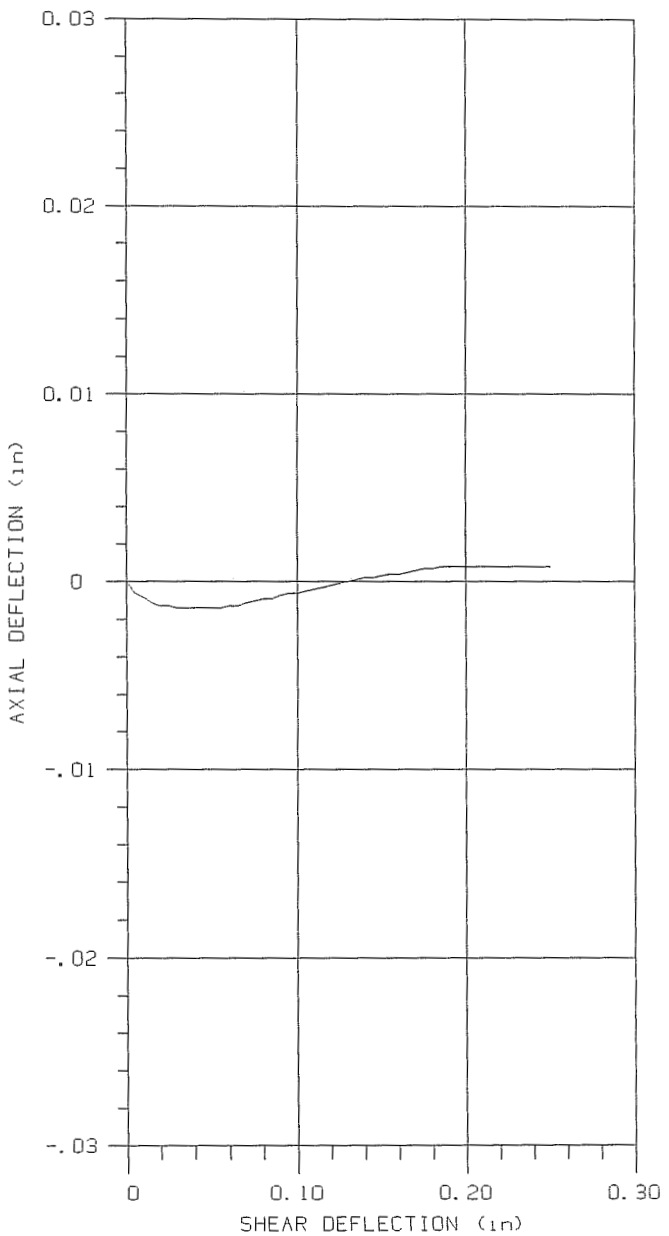
ADVANCED TERRA TESTING

Direct Shear Test

Client..... Tetra Tech
Location..... Rocky Flats OLF

Soil Type.....	181750	Job Number.....	2592-04
Depth.....	25' (ft)	Sample Number...	Pt. C
Confining Pressure..	1508 (psf)	Boring.....	Tt 3
Shear Rate.....	.0018 (in/min)	File Name.....	ttds325c.DAT
Date Tested.....	04-14-2008	Tested By.....	DPM





Pass Number and Line Type....	1 ———	2 - - - - - -	3 —— -	4 —— - - -
Maximum Shear Stress.....	1268	.0000	.0000	.0000
Shear Deflection @ Max Stress.	.0994	.0000	.0000	.0000

GEOMATIC Direct Shear Data

File Name.....ttds325c.DAT
Client.....Tetra Tech
Job Number....2592-04
Location.....Rocky Flats OLF
Date.....04-14-2008
Technician....DPM
Sample Diameter (in).....1.9380
Confining Pressure (psf)..1508
Number of Passes.....1
Shear Distance (in).....0.25
Shear Rate (in/min).....0018
Soil Type.....181750
Boring Number.....Tt 3
Sample Number.....Pt. C
Depth (ft).....25'

SHEAR DEFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.005	373	-.0006
0.010	578	-.0008
0.015	727	-.0011
0.020	839	-.0013
0.025	914	-.0013
0.030	988	-.0014
0.035	1044	-.0014
0.040	1100	-.0014
0.045	1138	-.0014
0.050	1175	-.0014
0.055	1193	-.0014
0.060	1212	-.0013
0.065	1231	-.0013
0.070	1231	-.0011
0.075	1231	-.0010
0.080	1231	-.0009
0.085	1249	-.0009
0.090	1249	-.0007
0.095	1249	-.0006
0.100	1249	-.0006
0.105	1249	-.0005
0.110	1268	-.0004
0.115	1249	-.0003
0.120	1249	-.0002
0.125	1249	-.0001
0.130	1249	0.0000
0.135	1231	0.0001
0.140	1231	0.0002
0.145	1231	0.0002
0.150	1231	0.0003
0.155	1231	0.0004
0.160	1212	0.0004
0.165	1212	0.0005
0.170	1212	0.0006
0.175	1193	0.0007

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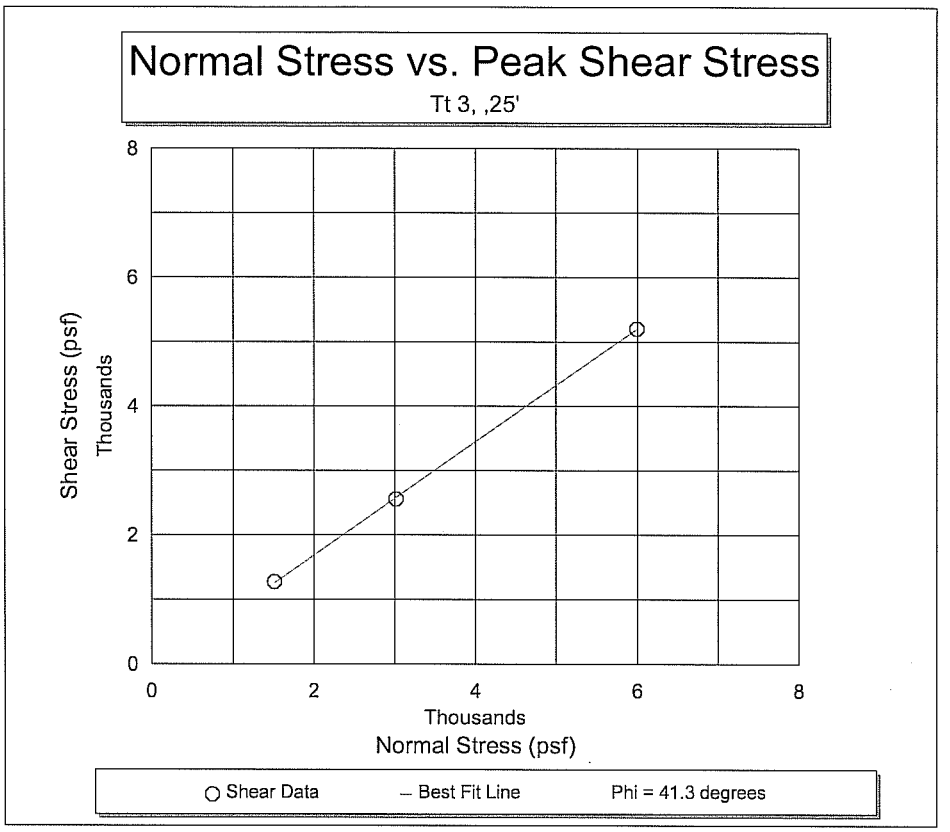
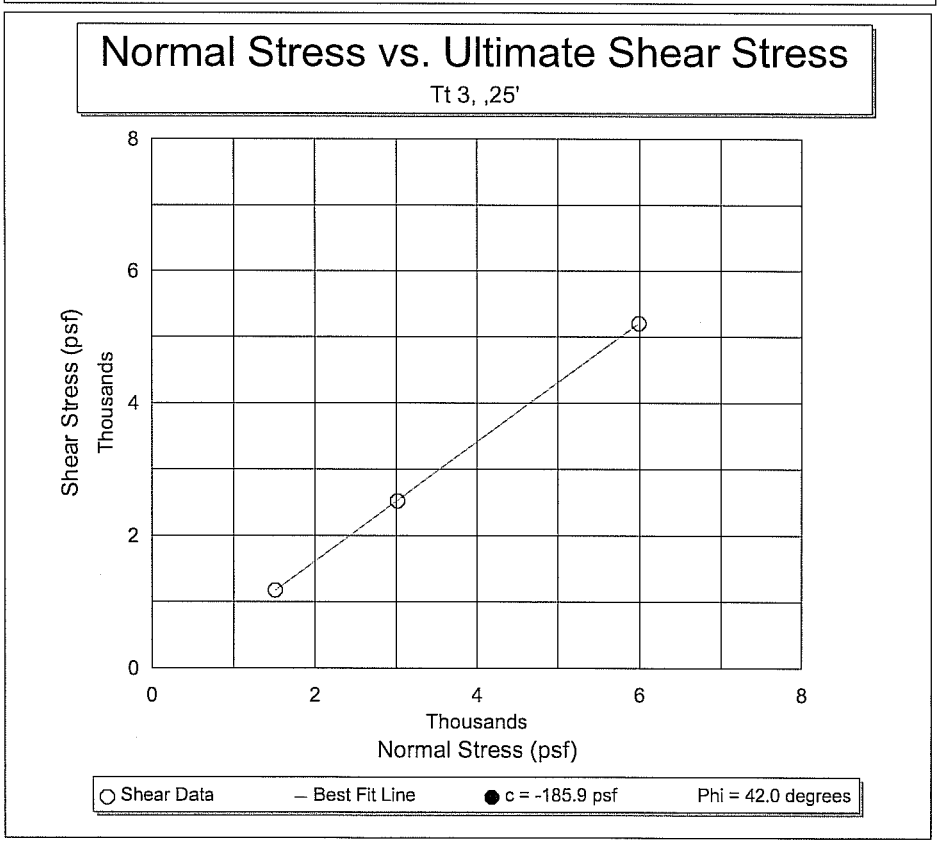
ass 1 Continued

SHEAR DEFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.180	1193	0.0007
0.185	1193	0.0008
0.190	1193	0.0008
0.195	1193	0.0008
0.200	1175	0.0008
0.205	1175	0.0008
0.210	1175	0.0008
0.215	1175	0.0008
0.220	1175	0.0008
0.225	1175	0.0008
0.230	1175	0.0008
0.235	1175	0.0008
0.240	1175	0.0008
0.245	1175	0.0008
0.250	1175	0.0008

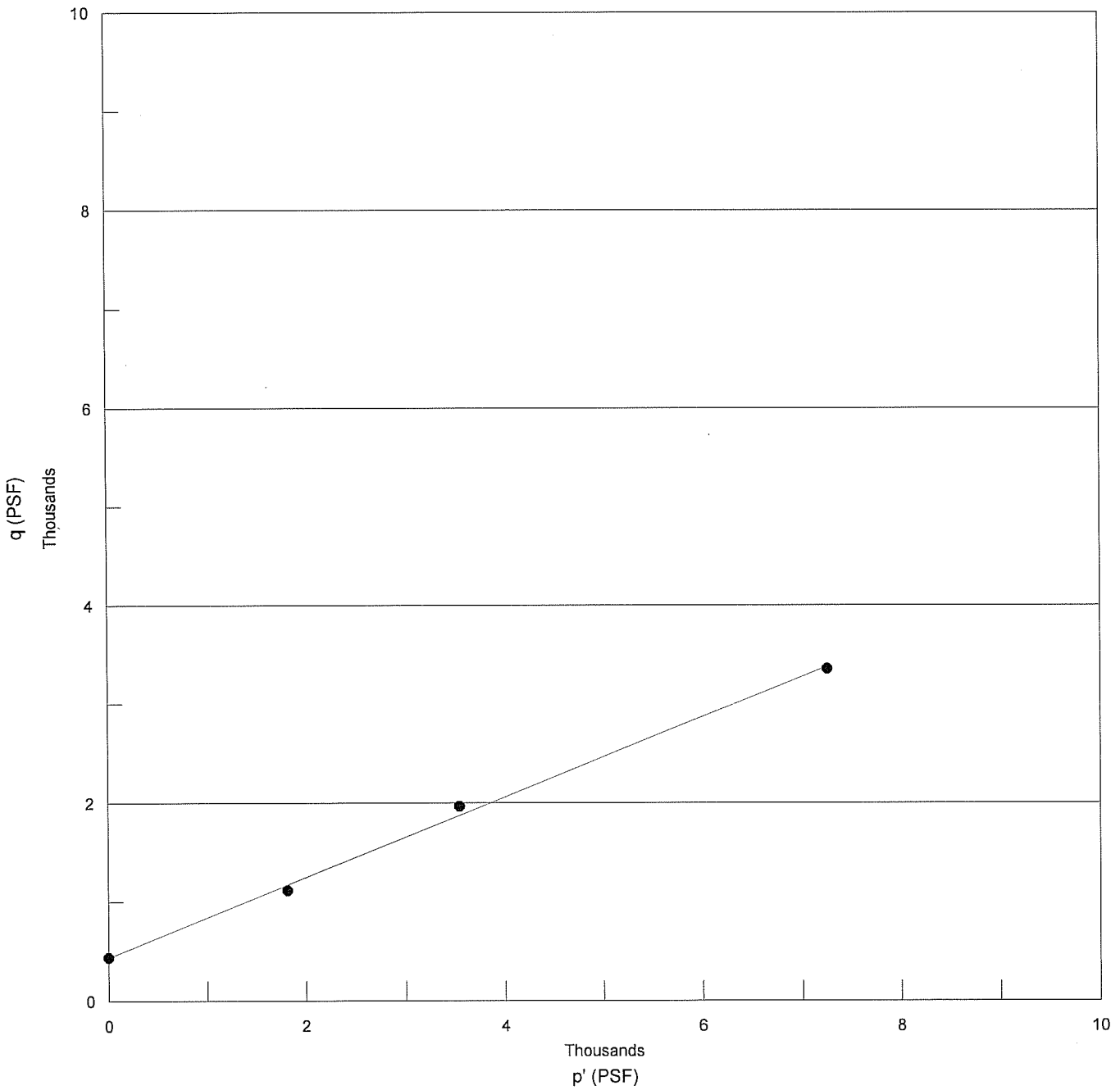
ass 1 completed with max load = 1268 psf at deflection of .0994 in


Normal Stress vs. Peak Shear Stress
Tt 3, ,25'
Shear Stress (psf)
Thousands
0
2
4
6
8
Thousands
Normal Stress (psf)
Shear Data
Best Fit Line
Phi = 41.3 degrees


Normal Stress vs. Ultimate Shear Stress
Tt 3, ,25'
Shear Stress (psf)
Thousands
0
2
4
6
8
Thousands
Normal Stress (psf)
Shear Data
Best Fit Line
c = -185.9 psf
Phi = 42.0 degrees

Effective Stress Path Analysis - p' q Regression Plot

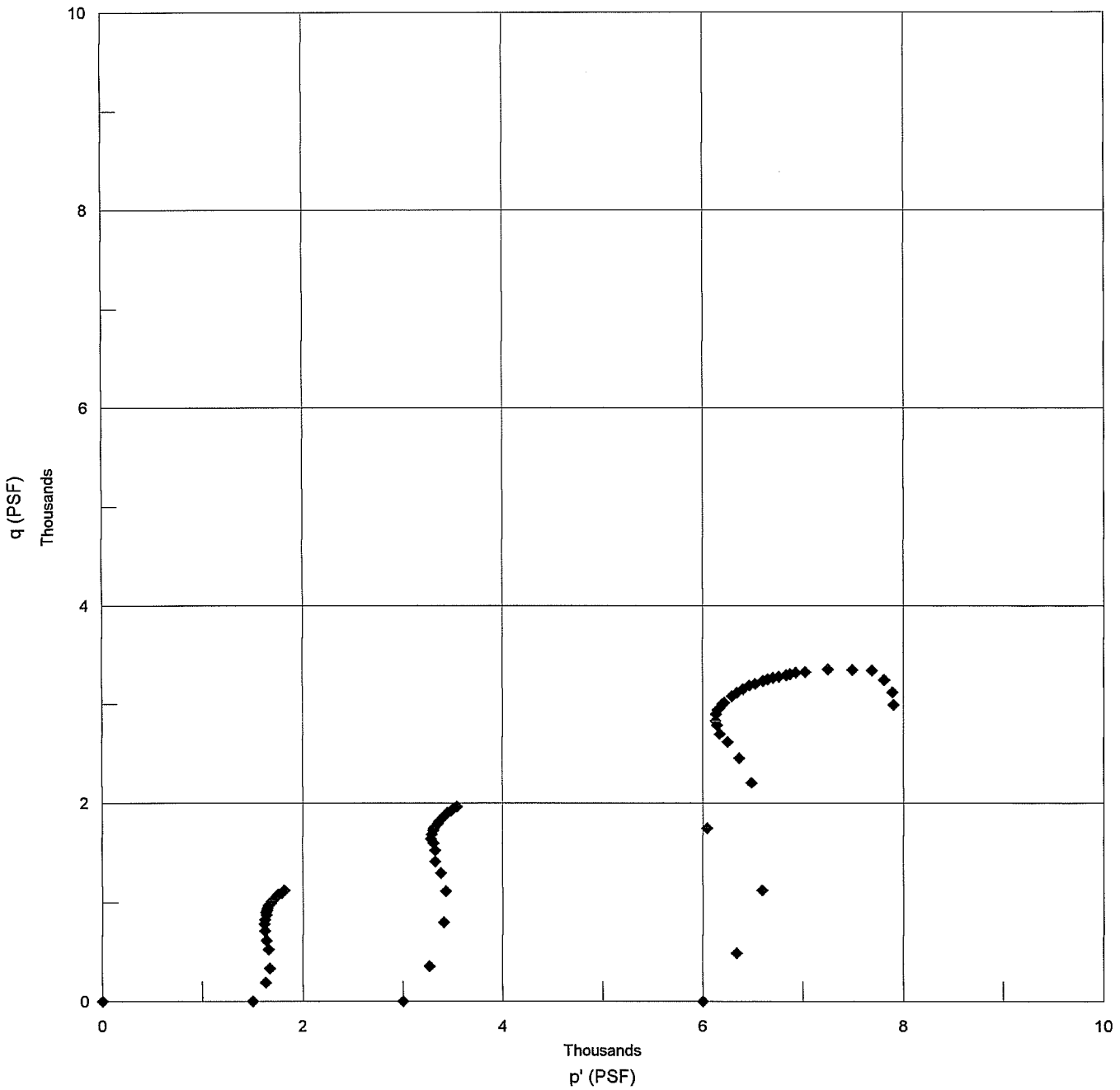
Tetra Tech (MM) Fort Collins,TH 3,35.0',Stage 1 of 3,Stage 2 of 3,Stage 3 of 3



● Shear Data – Best Fit Line Tau = 22.1 degrees a = 443.8 PSF

Effective Stress Path Analysis - p' q Plots

Tetra Tech (MM) Fort Collins,TH 3,35.0',Stage 1 of 3,Stage 2 of 3,Stage 3 of 3



◆ Stress Paths of Stages 1, 2, & 3

EFFECTIVE STRESS PATH ANALYSIS TEST DATA
ASTM D4767

CLIENT	Tetra Tech (MM) Fort Collins		
		JOB NO.	2592-04
BORING NO.	TH 3		
DEPTH	35.0'	SAMPLED	04-01-08 JLR
SAMPLE NO.	Stages 1, 2 & 3	SATURATED TEST	Yes
SOIL DESCR.	#114-181750	TEST TYPE	TX/CUpp
LOCATION	Rocky Flats, OLF		

				Peak Points p' PSF	Peak Points q PSF
CONF. PRES. PSF	STAGE 1	1500	STAGE 1	1813	1119
	STAGE 2	3000	STAGE 2	3539	1965
	STAGE 3	6000	STAGE 3	7253	3356

STAGE 1

σ 3' PSF	σ 1' PSF	p' PSF	q PSF
1500	1500	1500	0
1442	1823	1633	190
1342	2007	1674	332
1140	2184	1662	522
1025	2257	1641	616
910	2330	1620	710
838	2399	1618	781
794	2448	1621	827
766	2512	1639	873
737	2529	1633	896
722	2560	1641	919
708	2591	1649	941
694	2621	1657	964
694	2666	1680	986
679	2697	1688	1009
679	2742	1710	1031
679	2786	1733	1054
679	2831	1755	1076
679	2829	1754	1075
694	2888	1791	1097
694	2932	1813	1119

STAGE 2

σ 3' PSF	σ 1' PSF	p' PSF	q PSF
3000	3000	3000	0
2914	3620	3267	353
2611	4212	3412	800
2323	4534	3428	1105
2093	4677	3385	1292
1920	4736	3328	1408
1805	4853	3329	1524
1718	4904	3311	1593
1646	4922	3284	1638
1603	4969	3286	1683
1574	5030	3302	1728
1560	5059	3309	1749
1560	5149	3354	1794
1546	5177	3361	1816
1546	5220	3383	1837
1546	5263	3404	1859
1546	5305	3425	1880
1546	5348	3447	1901
1560	5405	3482	1922
1560	5447	3504	1944
1574	5504	3539	1965
1574	5503	3539	1964

STAGE 3

σ 3' PSF	σ 1' PSF	p' PSF	q PSF
6000	6000	6000	0
5856	6835	6345	489
5482	7716	6599	1117
4301	7790	6045	1745
4286	8695	6490	2204
3912	8824	6368	2456
3638	8868	6253	2615
3466	8873	6169	2704
3350	8935	6143	2792
3293	8962	6128	2835
3235	9035	6135	2900
3206	9091	6149	2942
3206	9129	6168	2961
3192	9198	6195	3003
3192	9236	6214	3022
3206	9371	6289	3082
3221	9460	6340	3120
3250	9563	6406	3157
3278	9665	6472	3193
3322	9736	6529	3207
3365	9852	6609	3244
3394	9908	6651	3257
3437	9979	6708	3271
3480	10049	6764	3284
3538	10133	6835	3298
3566	10188	6877	3311
3610	10257	6933	3324
3696	10358	7027	3331
3898	10609	7253	3356
4142	10845	7494	3351
4344	11036	7690	3346
4560	11066	7813	3253
4762	11013	7887	3126
4906	10901	7904	2998

Data entry by: SR Date: 04/23/2008
Data checked by: cr Date: 4/23/08
FileName: TTT0H335

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech (MM) Fort Collins	JOB NO.	2592-04
BORING NO.	TH 3	SAMPLED	04-01-08 JLR
DEPTH	35.0'	TEST STARTED	04-11-08 CAL
SAMPLE NO.	Stage 1 of 3	TEST FINISHED	04-22-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	15S
LOCATION	Rocky Flats, OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	1500

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER CONSOL
Wt. Soil + Moisture (g)	396.1	406.2
Wt. Wet Soil & Pan (g)	404.4	414.5
Wt. Dry Soil & Pan (g)	345.3	345.3
Wt. Lost Moisture (g)	59.1	69.2
Wt. of Pan Only (g)	8.3	8.3
Wt. of Dry Soil (g)	337.0	337.0
Moisture Content %	17.5	20.5
Wet Density PCF	130.7	128.9
Dry Density PCF	111.2	106.9

Init. Diameter (in)	1.919
Init. Area (sq in)	2.892
Init. Height (in)	3.991
Vol. Bef. Consol. (cu ft)	0.00668
Vol. After Consol. (cu ft)	0.00695

Notes & Comments:

Data entry by: SR Date: 04/23/2008
Data checked by: ce Date: 4/23/08
FileName: TTT0H335

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech (MM) Fort Collins	JOB NO.	2592-04
BORING NO.	TH 3	SAMPLED	04-01-08 JLR
DEPTH	35.0'	TEST STARTED	04-11-08 CAL
SAMPLE NO.	Stage 1 of 3	TEST FINISHED	04-22-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	15S
LOCATION	Rocky Flats, OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	1500

SATURATION DATA

Cell Pres. (PSI)	Back Pres. (PSI)	Burette Reading (CC)		Pore Pressure (PSI)		Change	B
		Close	Open	Close	Open		
40.0	38.0	1.0	7.2				
50.0	48.0	-0.5	0.2	38.5	47.6	9.1	0.91
60.0	58.0	0.0	0.6	49.0	58.2	9.2	0.92
70.0		0.7	0.8	59.0	68.5	9.5	0.95

CONSOLIDATION DATA

Elapsed Time (Min)	SQRT TIME (Min)	Burette Reading (CC)	Vol. Defl. (CC)
0.00	0.0	0.7	0.00
0.25	0.5	1.7	-1.00
0.50	0.7	1.8	-1.10
1	1.0	1.9	-1.20
2	1.4	2.0	-1.30
4	2.0	2.2	-1.50
9	3.0	2.5	-1.80
16	4.0	2.7	-2.00
30	5.5	2.9	-2.20
60	7.7	3.1	-2.40
120	11.0	3.3	-2.60
240	15.5	3.4	-2.70
360	19.0	3.4	-2.70

Initial Height (in)	3.991	Init. Vol. (CC)	189.19
Height Change (in)	0.023	Vol. Change (CC)	3.00
Ht. After Cons. (in)	3.968	Cell Exp. (CC)	10.59
Initial Area (sq in)	2.892	Net Change (CC)	-7.59
Area After Cons. (sq in)	3.026	Cons. Vol. (CC)	196.78

Data entry by: SR Date: 04/23/2008
Data checked by: cal Date: 4/23/08
FileName: TTT0H335

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA

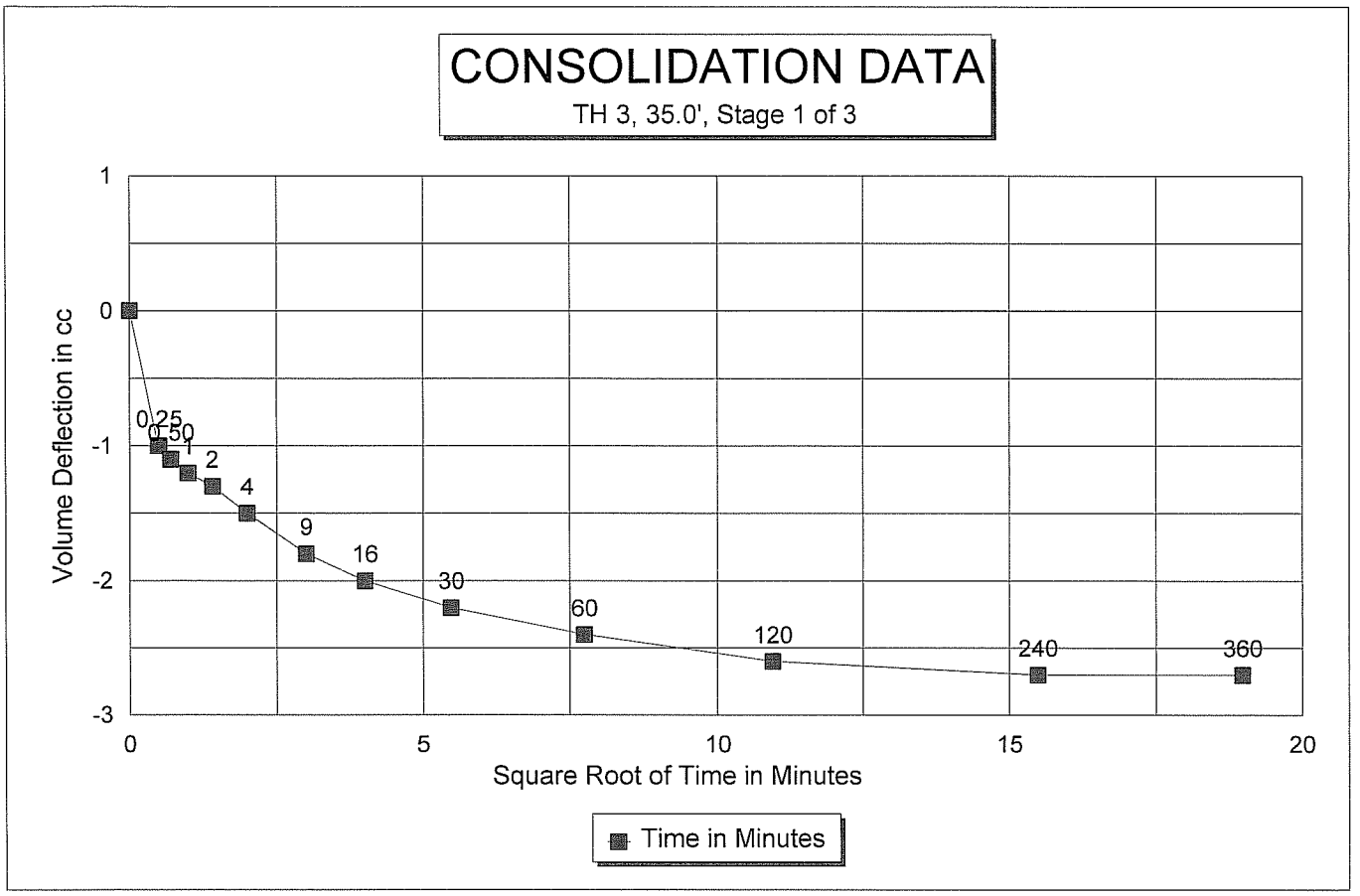
CLIENT	Tetra Tech (MM) Fort Collins	JOB NO.	2592-04
BORING NO.	TH 3	SAMPLED	04-01-08 JLR
DEPTH	35.0'	TEST STARTED	04-11-08 CAL
SAMPLE NO.	Stage 1 of 3	TEST FINISHED	04-22-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	15S
LOCATION	Rocky Flats, OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	1500

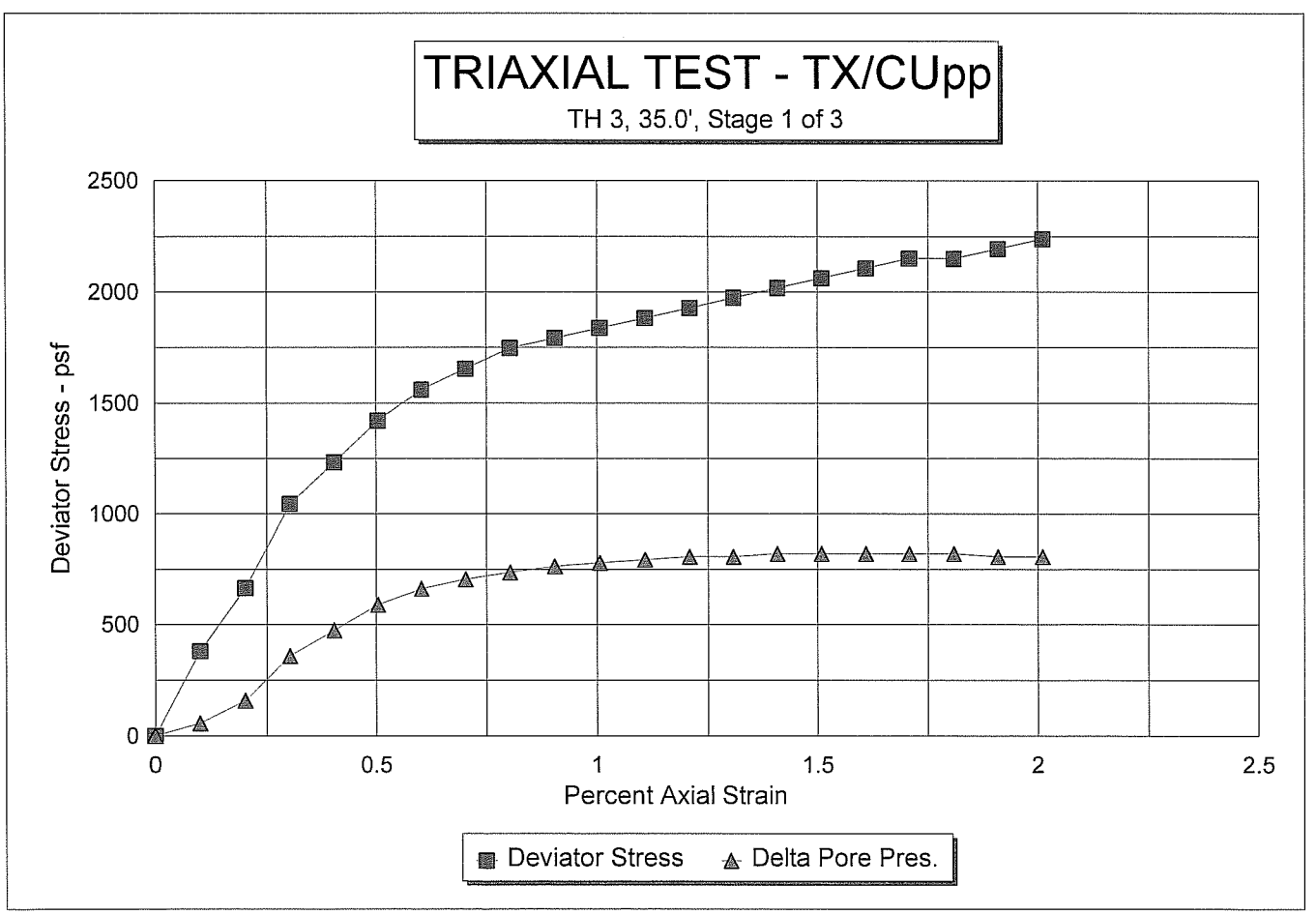
Init. Ht. (in)	3.991	Init. Area (sq in)	2.892
Consol. Ht. (in)	3.968	Consol. Area (sq in)	3.026
Back Pres. PSI	58.7	Strain Rate (in/min)	0.001

Axial Load Lbs.	Axial Load PSF	Delta Ht. In.	Axial % Strain	Area Final Sq In.	Dev. Stress PSF	Pore Pres. PSI	Delta Pres. PSF	σ 3' PSF	σ 1' PSF	Prin. Stress Ratio
0.0	0	0.00	0.00	3.026	0	58.7	0	1500	1500	1.00
8.0	381	0.004	0.10	3.029	380	59.1	58	1442	1823	1.26
14.0	666	0.008	0.20	3.032	665	59.8	158	1342	2007	1.50
22.0	1047	0.012	0.30	3.035	1044	61.2	360	1140	2184	1.92
26.0	1237	0.016	0.40	3.038	1232	62.0	475	1025	2257	2.20
30.0	1428	0.020	0.50	3.041	1421	62.8	590	910	2330	2.56
33.0	1571	0.024	0.60	3.044	1561	63.3	662	838	2399	2.86
35.0	1666	0.028	0.70	3.047	1654	63.6	706	794	2448	3.08
37.0	1761	0.032	0.80	3.050	1747	63.8	734	766	2512	3.28
38.0	1808	0.036	0.90	3.053	1792	64.0	763	737	2529	3.43
39.0	1856	0.040	1.01	3.056	1837	64.1	778	722	2560	3.54
40.0	1904	0.044	1.11	3.060	1883	64.2	792	708	2591	3.66
41.0	1951	0.048	1.21	3.063	1928	64.3	806	694	2621	3.78
42.0	1999	0.052	1.31	3.066	1973	64.3	806	694	2666	3.84
43.0	2046	0.056	1.41	3.069	2018	64.4	821	679	2697	3.97
44.0	2094	0.060	1.51	3.072	2062	64.4	821	679	2742	4.04
45.0	2142	0.064	1.61	3.075	2107	64.4	821	679	2786	4.10
46.0	2189	0.068	1.71	3.078	2152	64.4	821	679	2831	4.17
46.0	2189	0.072	1.81	3.081	2150	64.4	821	679	2829	4.16
47.0	2237	0.076	1.91	3.085	2194	64.3	806	694	2888	4.16
48.0	2284	0.080	2.01	3.088	2238	64.3	806	694	2932	4.23

Data entry by: SR Date: 04/23/2008
Data checked by: ce Date: 4/23/08
FileName: TTT0H335

ADVANCED TERRA TESTING, INC. ATT


CONSOLIDATION DATA
TH 3, 35.0', Stage 1 of 3
Volume Deflection in cc
1
0
-1
-2
-3
0.25
0.50
1
2
4
9
16
30
60
120
240
360
0
5
10
15
20
Square Root of Time in Minutes
Time in Minutes


TRIAXIAL TEST - TX/CUpp
TH 3, 35.0', Stage 1 of 3
Deviator Stress - psf
2500
2000
1500
1000
500
0
0
0.5
1
1.5
2
2.5
Percent Axial Strain
Deviator Stress
Delta Pore Pres.

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech (MM) Fort Collins	JOB NO.	2592-04
BORING NO.	TH 3	SAMPLED	04-01-08 JLR
DEPTH	35.0'	TEST STARTED	04-11-08 CAL
SAMPLE NO.	Stage 2 of 3	TEST FINISHED	04-22-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	15S
LOCATION	Rocky Flats, OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	3000

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER CONSOL
Wt. Soil + Moisture (g)	396.1	406.2
Wt. Wet Soil & Pan (g)	404.4	414.5
Wt. Dry Soil & Pan (g)	345.3	345.3
Wt. Lost Moisture (g)	59.1	69.2
Wt. of Pan Only (g)	8.3	8.3
Wt. of Dry Soil (g)	337.0	337.0
Moisture Content %	17.5	20.5
Wet Density PCF	125.7	130.6
Dry Density PCF	106.9	108.3

Init. Diameter (in)	1.983
Init. Area (sq in)	3.088
Init. Height (in)	3.888
Vol. Bef. Consol. (cu ft)	0.00695
Vol. After Consol. (cu ft)	0.00686

Notes & Comments:

Data entry by: SR Date: 04/23/2008
Data checked by: ae Date: 4/23/08
FileName: TTT0H335

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT Tetra Tech (MM) Fort Collins JOB NO. 2592-04

BORING NO.	TH 3	SAMPLED	04-01-08 JLR
DEPTH	35.0'	TEST STARTED	04-11-08 CAL
SAMPLE NO.	Stage 2 of 3	TEST FINISHED	04-22-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	15S
LOCATION	Rocky Flats, OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	3000

CONSOLIDATION DATA

Elapsed Time (Min)	SQRT TIME (Min)	Burette Reading (CC)	Vol. Defl. (CC)
0.00	0.0	4.2	0.00
0.25	0.5	5.0	-0.80
0.5	0.7	5.1	-0.90
1	1.0	5.2	-1.00
2	1.4	5.3	-1.10
4	2.0	5.5	-1.25
9	3.0	5.7	-1.50
16	4.0	6.0	-1.80
30	5.5	6.3	-2.10
60	7.7	6.7	-2.50
120	11.0	7.0	-2.80
240	15.5	7.2	-3.00
360	19.0	7.3	-3.10

Initial Height (in)	3.888	Init. Vol. (CC)	196.78
Height Change (in)	0.006	Vol. Change (CC)	3.40
Ht. After Cons. (in)	3.882	Cell Exp. (CC)	0.86
Initial Area (sq in)	3.088	Net Change (CC)	2.54
Area After Cons. (sq in)	3.053	Cons. Vol. (CC)	194.24

Data entry by: SR Date: 04/23/2008
Data checked by: cel Date: 4/23/08
FileName: TTT0H335

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

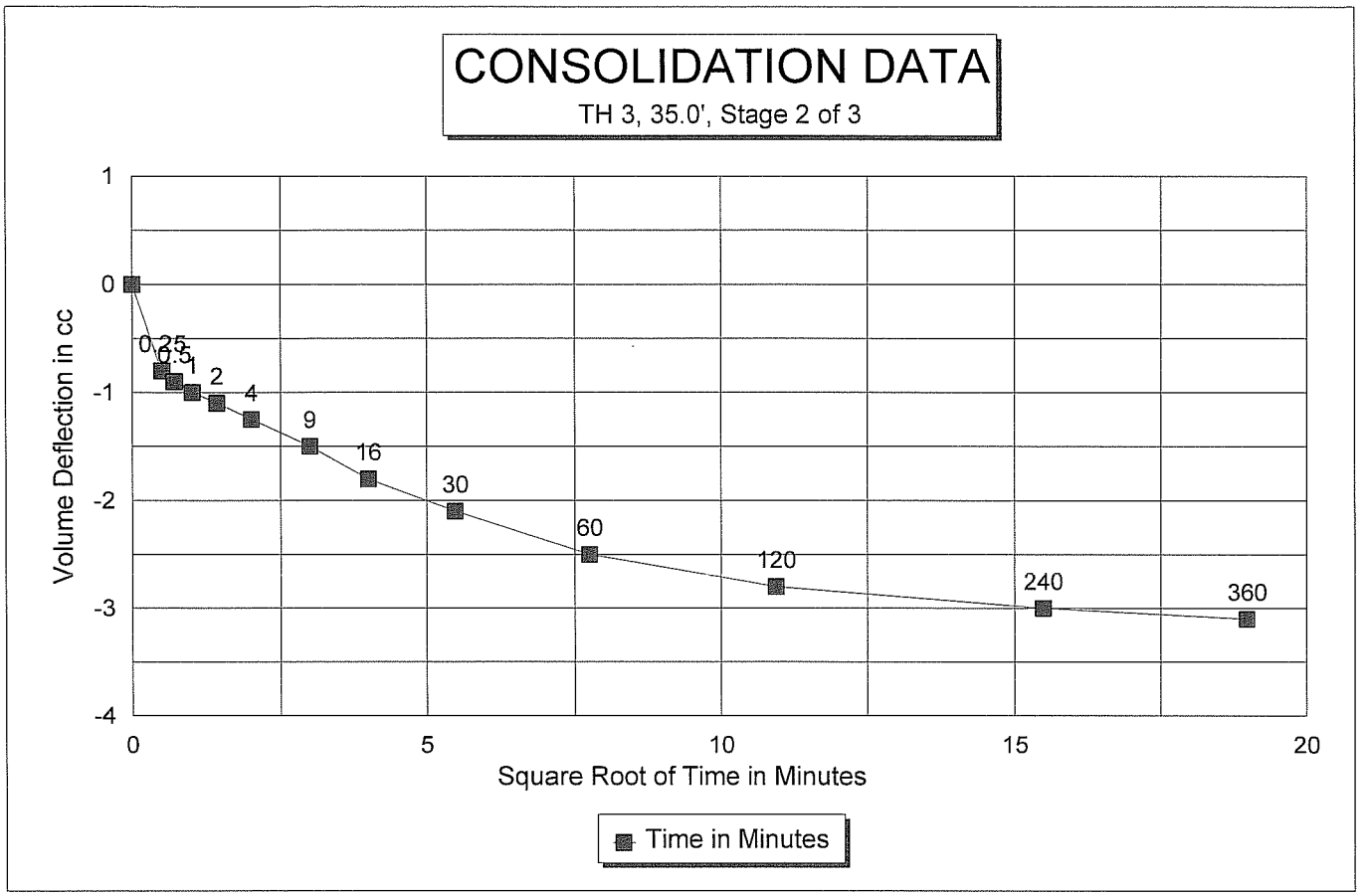
CLIENT	Tetra Tech (MM) Fort Collins	JOB NO.	2592-04
BORING NO.	TH 3	SAMPLED	04-01-08 JLR
DEPTH	35.0'	TEST STARTED	04-11-08 CAL
SAMPLE NO.	Stage 2 of 3	TEST FINISHED	04-22-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	15S
LOCATION	Rocky Flats, OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	3000

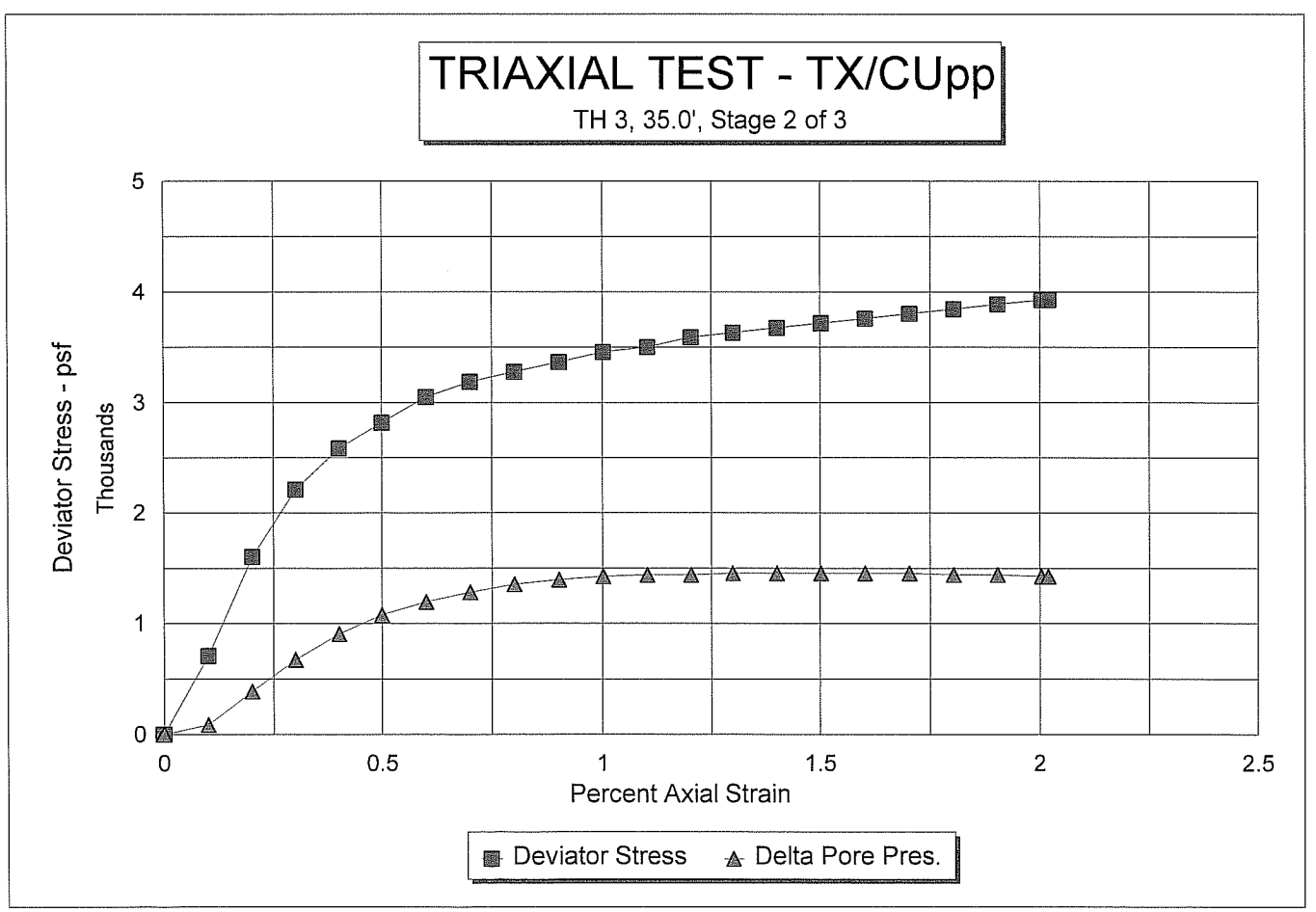
Init. Ht. (in)	3.888	Init. Area (sq in)	3.088
Consol. Ht. (in)	3.882	Consol. Area (sq in)	3.053
Back Pres. PSI	58.8	Strain Rate (in/min)	0.002

Axial Load Lbs.	Axial Load PSF	Delta Ht. In.	Axial % Strain	Area Final Sq In.	Dev. Stress PSF	Pore Pres. PSI	Delta Pres. PSF	σ 3' PSF	σ 1' PSF	Prin. Stress Ratio
0.0	0	0.00	0.00	3.053	0	58.8	0	3000	3000	1.00
15.0	708	0.004	0.10	3.056	707	59.4	86	2914	3620	1.24
34.0	1604	0.008	0.20	3.059	1601	61.5	389	2611	4212	1.61
47.0	2217	0.012	0.30	3.062	2210	63.5	677	2323	4534	1.95
55.0	2594	0.016	0.40	3.065	2584	65.1	907	2093	4677	2.23
60.0	2830	0.019	0.50	3.068	2816	66.3	1080	1920	4736	2.47
65.0	3066	0.023	0.60	3.071	3048	67.1	1195	1805	4853	2.69
68.0	3208	0.027	0.70	3.074	3185	67.7	1282	1718	4904	2.85
70.0	3302	0.031	0.80	3.077	3276	68.2	1354	1646	4922	2.99
72.0	3396	0.035	0.90	3.080	3366	68.5	1397	1603	4969	3.10
74.0	3491	0.039	1.00	3.084	3456	68.7	1426	1574	5030	3.19
75.0	3538	0.043	1.10	3.087	3499	68.8	1440	1560	5059	3.24
77.0	3632	0.047	1.20	3.090	3589	68.8	1440	1560	5149	3.30
78.0	3679	0.051	1.30	3.093	3632	68.9	1454	1546	5177	3.35
79.0	3727	0.054	1.40	3.096	3674	68.9	1454	1546	5220	3.38
80.0	3774	0.058	1.50	3.099	3717	68.9	1454	1546	5263	3.40
81.0	3821	0.062	1.60	3.102	3760	68.9	1454	1546	5305	3.43
82.0	3868	0.066	1.70	3.105	3802	68.9	1454	1546	5348	3.46
83.0	3915	0.070	1.80	3.109	3845	68.8	1440	1560	5405	3.46
84.0	3962	0.074	1.90	3.112	3887	68.8	1440	1560	5447	3.49
85.0	4010	0.078	2.00	3.115	3929	68.7	1426	1574	5504	3.50
85.0	4010	0.078	2.02	3.116	3929	68.7	1426	1574	5503	3.50

Data entry by: SR Date: 04/23/2008
Data checked by: ce Date: 4/23/08
FileName: TTT0H335

ADVANCED TERRA TESTING, INC. ATT


CONSOLIDATION DATA
TH 3, 35.0', Stage 2 of 3
Volume Deflection in cc
1
0
-1
-2
-3
-4
0
5
10
15
20
Square Root of Time in Minutes
0.25
0.5
1
2
4
9
16
30
60
120
240
360
Time in Minutes


TRIAXIAL TEST - TX/CUpp
TH 3, 35.0', Stage 2 of 3
Deviator Stress - psf
Thousands
5
4
3
2
1
0
0
0.5
1
1.5
2
2.5
Percent Axial Strain
Deviator Stress
Delta Pore Pres.

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech (MM) Fort Collins	JOB NO.	2592-04
BORING NO.	TH 3	SAMPLED	04-01-08 JLR
DEPTH	35.0'	TEST STARTED	04-11-08 CAL
SAMPLE NO.	Stage 3 of 3	TEST FINISHED	04-22-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	15S
LOCATION	Rocky Flats, OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	6000

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER CONSOL
Wt. Soil + Moisture (g)	396.1	406.2
Wt. Wet Soil & Pan (g)	404.4	414.5
Wt. Dry Soil & Pan (g)	345.3	345.3
Wt. Lost Moisture (g)	59.1	69.2
Wt. of Pan Only (g)	8.3	8.3
Wt. of Dry Soil (g)	337.0	337.0
Moisture Content %	17.5	20.5
Wet Density PCF	127.3	131.8
Dry Density PCF	108.3	109.4

Init. Diameter (in)	1.992
Init. Area (sq in)	3.116
Init. Height (in)	3.804
Vol. Bef. Consol. (cu ft)	0.00686
Vol. After Consol. (cu ft)	0.00679

Notes & Comments:

Data entry by: SR Date: 04/23/2008
Data checked by: cle Date: 4/23/08
FileName: TTT0H335

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

CLIENT	Tetra Tech (MM) Fort Collins	JOB NO.	2592-04
BORING NO.	TH 3	SAMPLED	04-01-08 JLR
DEPTH	35.0'	TEST STARTED	04-11-08 CAL
SAMPLE NO.	Stage 3 of 3	TEST FINISHED	04-22-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	15S
LOCATION	Rocky Flats, OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	6000

CONSOLIDATION DATA

Elapsed Time (Min)	SQRT TIME (Min)	Burette Reading (CC)	Vol. Defl. (CC)
0.00	0.0	8.50	0.00
0.25	0.5	9.90	-1.40
0.5	0.7	9.90	-1.40
1	1.0	9.95	-1.45
2	1.4	10.05	-1.55
4	2.0	10.15	-1.65
9	3.0	10.30	-1.80
16	4.0	10.50	-2.00
30	5.5	10.80	-2.30
60	7.7	11.10	-2.60
120	11.0	11.40	-2.90
240	15.5	11.60	-3.10
365	19.1	11.75	-3.25

Initial Height (in)	3.804	Init. Vol. (CC)	194.24
Height Change (in)	0.002	Vol. Change (CC)	3.60
Ht. After Cons. (in)	3.802	Cell Exp. (CC)	1.72
Initial Area (sq in)	3.116	Net Change (CC)	1.88
Area After Cons. (sq in)	3.087	Cons. Vol. (CC)	192.36

Data entry by: SR Date: 04/23/2008
Data checked by: cal Date: 4/23/08
FileName: TTT0H335

ADVANCED TERRA TESTING, INC. ATT

TRIAXIAL COMPRESSION TEST DATA
ASTM D 4767

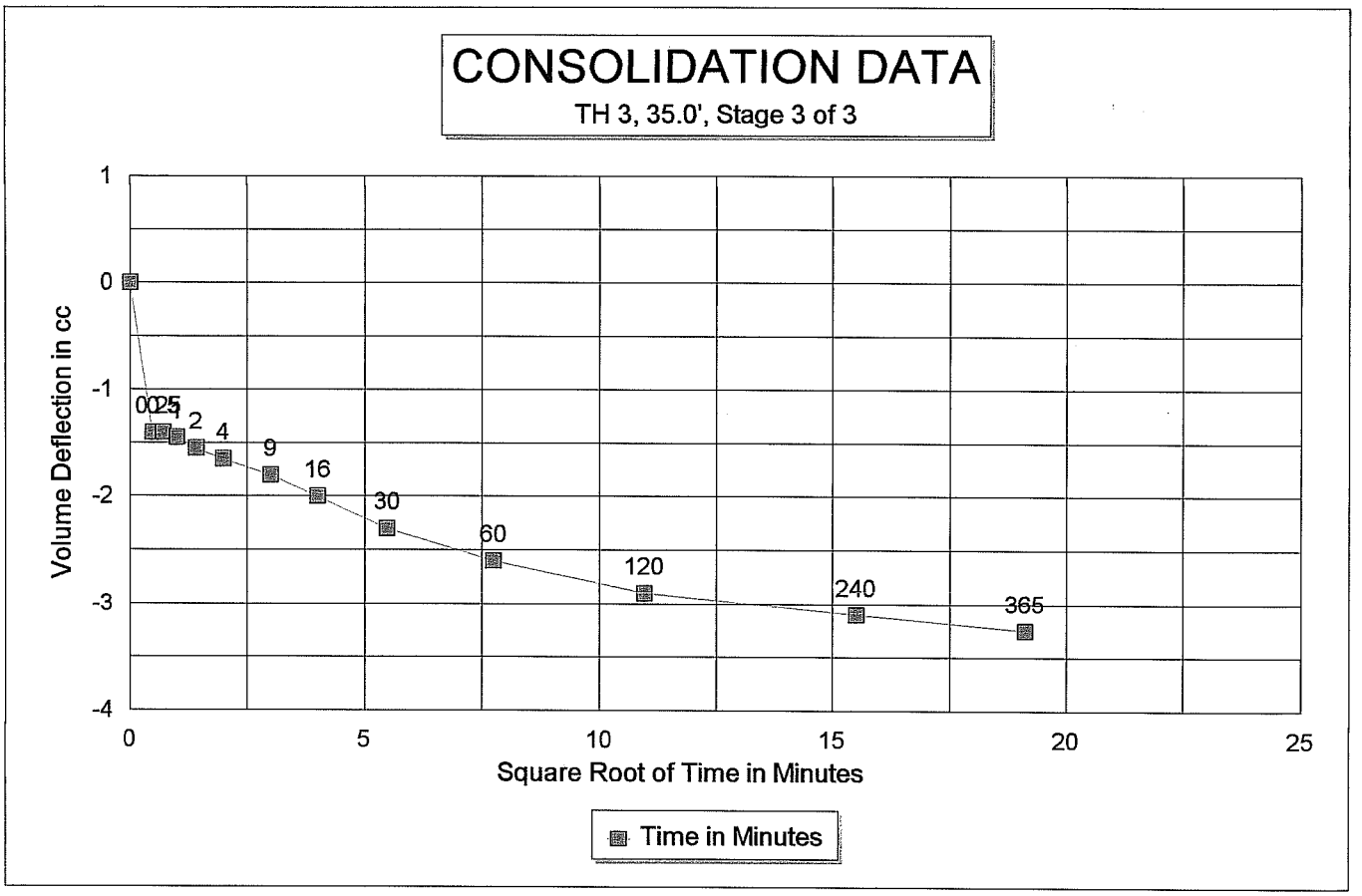
CLIENT	Tetra Tech (MM) Fort Collins	JOB NO.	2592-04
BORING NO.	TH 3	SAMPLED	04-01-08 JLR
DEPTH	35.0'	TEST STARTED	04-11-08 CAL
SAMPLE NO.	Stage 3 of 3	TEST FINISHED	04-22-08 CAL
SOIL DESCR.	#114-181750	CELL NUMBER	15S
LOCATION	Rocky Flats, OLF	SATURATED TEST	Yes
TEST TYPE	TX/CUpp	CONF. PRES. PSF	6000

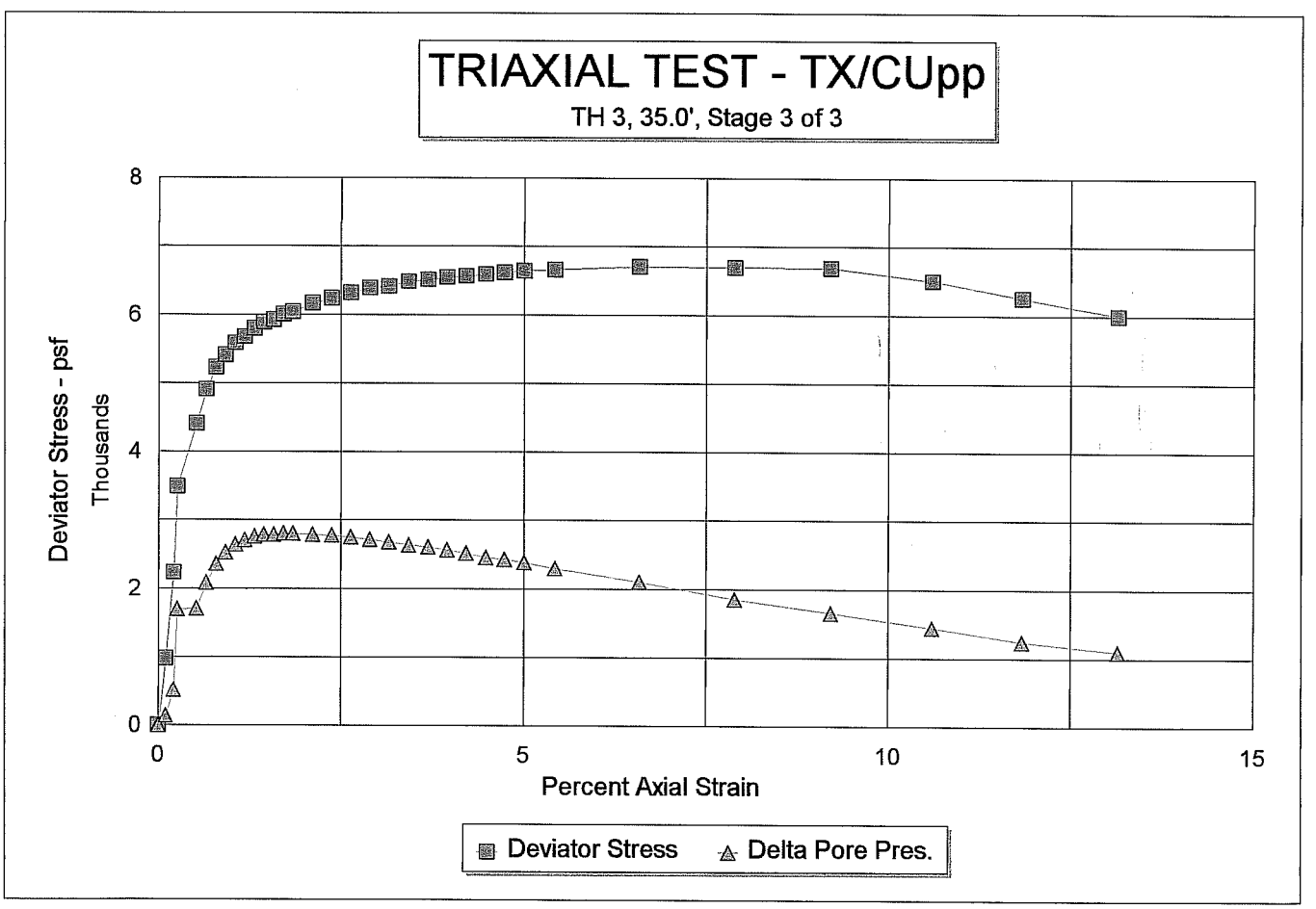
Init. Ht. (in)	3.804	Init. Area (sq in)	3.116
Consol. Ht. (in)	3.802	Consol. Area (sq in)	3.087
Back Pres. PSI	58.7	Strain Rate (in/min)	0.001

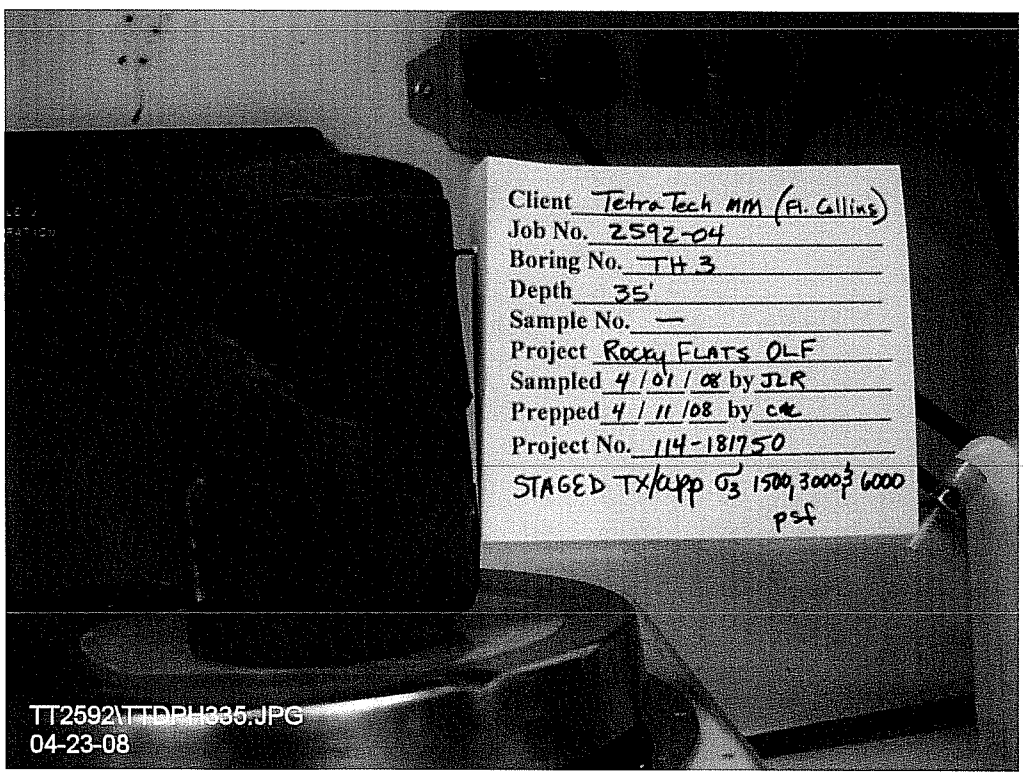
Axial Load Lbs.	Axial Load PSF	Delta Ht. In.	Axial % Strain	Area Final Sq In.	Dev. Stress PSF	Pore Pres. PSI	Delta Pres. PSF	σ 3' PSF	σ 1' PSF	Prin. Stress Ratio
0.0	0	0.00	0.00	3.087	0	58.7	0	6000	6000	1.00
21.0	980	0.004	0.11	3.090	979	59.7	144	5856	6835	1.17
48.0	2239	0.008	0.21	3.094	2234	62.3	518	5482	7716	1.41
75.0	3499	0.010	0.26	3.095	3489	70.5	1699	4301	7790	1.81
95.0	4431	0.020	0.53	3.103	4408	70.6	1714	4286	8695	2.03
106.0	4945	0.025	0.66	3.107	4912	73.2	2088	3912	8824	2.26
113.0	5271	0.030	0.79	3.112	5230	75.1	2362	3638	8868	2.44
117.0	5458	0.035	0.92	3.116	5407	76.3	2534	3466	8873	2.56
121.0	5644	0.040	1.05	3.120	5585	77.1	2650	3350	8935	2.67
123.0	5738	0.045	1.18	3.124	5670	77.5	2707	3293	8962	2.72
126.0	5878	0.050	1.32	3.128	5800	77.9	2765	3235	9035	2.79
128.0	5971	0.055	1.45	3.132	5884	78.1	2794	3206	9091	2.84
129.0	6017	0.060	1.58	3.137	5923	78.1	2794	3206	9129	2.85
131.0	6111	0.065	1.71	3.141	6006	78.2	2808	3192	9198	2.88
132.0	6157	0.070	1.84	3.145	6044	78.2	2808	3192	9236	2.89
135.0	6297	0.080	2.10	3.153	6165	78.1	2794	3206	9371	2.92
137.0	6391	0.090	2.37	3.162	6239	78.0	2779	3221	9460	2.94
139.0	6484	0.100	2.63	3.170	6313	77.8	2750	3250	9563	2.94
141.0	6577	0.110	2.89	3.179	6387	77.6	2722	3278	9665	2.95
142.0	6624	0.120	3.16	3.188	6415	77.3	2678	3322	9736	2.93
144.0	6717	0.130	3.42	3.196	6488	77.0	2635	3365	9852	2.93
145.0	6764	0.140	3.68	3.205	6515	76.8	2606	3394	9908	2.92
146.0	6810	0.150	3.95	3.214	6542	76.5	2563	3437	9979	2.90
147.0	6857	0.160	4.21	3.223	6569	76.2	2520	3480	10049	2.89
148.0	6904	0.170	4.47	3.232	6595	75.8	2462	3538	10133	2.86
149.0	6950	0.180	4.73	3.240	6621	75.6	2434	3566	10188	2.86
150.0	6997	0.190	5.00	3.249	6647	75.3	2390	3610	10257	2.84
151.0	7044	0.206	5.42	3.264	6662	74.7	2304	3696	10358	2.80
154.0	7184	0.250	6.58	3.304	6711	73.3	2102	3898	10609	2.72
156.0	7277	0.300	7.89	3.351	6703	71.6	1858	4142	10845	2.62
158.0	7370	0.350	9.21	3.400	6692	70.2	1656	4344	11036	2.54
156.0	7277	0.403	10.60	3.453	6506	68.7	1440	4560	11066	2.43
152.0	7090	0.450	11.84	3.501	6251	67.3	1238	4762	11013	2.31
148.0	6904	0.500	13.15	3.554	5996	66.3	1094	4906	10901	2.22

Data entry by: SR Date: 04/23/2008
Data checked by: cue Date: 4/23/08
FileName: TTT0H335

ADVANCED TERRA TESTING, INC. ATT


CONSOLIDATION DATA
TH 3, 35.0', Stage 3 of 3
Volume Deflection in cc
1
0
-1
-2
-3
-4
0
5
10
15
20
25
Square Root of Time in Minutes
0
0.25
1
2
4
9
16
30
60
120
240
365
Time in Minutes


TRIAXIAL TEST - TX/CUpp
TH 3, 35.0', Stage 3 of 3
Deviator Stress - psf
Thousands
8
6
4
2
0
0
5
10
15
Percent Axial Strain
Deviator Stress
Delta Pore Pres.


Client Tetra Tech MM (A. Collins)
Job No. 2592-04
Boring No. TH 3
Depth 35'
Sample No. —
Project Rocky Flats OLF
Sampled 4 / 01 / 08 by JLR
Prepped 4 / 11 / 08 by CAL
Project No. 114-181750
STAGED TX/CUPP σ3 1500, 3000, 6000 psf
TT2592\TTDPH335.JPG
04-23-08

NORTHERN
Analytical Laboratories, Inc.

602 South 25th Street
P O Box 30315
Billings, MT 59107
Telephone: (406) 254-7226
Fax: (406) 254-1389

REPORT TO: ATTN: TOM CHAPEL
TETRA TECH MM
3801 AUTOMATION WAY; SUITE 100
FORT COLLINGS, CO 80524

DATE: March 26, 2008
JOB NUMBER: 07-933
PAGE: 1 of 2
INVOICE NO.: 8030150

REPORT OF: Soil Analysis

CASE NARRATIVE:

On March 21, 2008, these soil samples (laboratory numbers 2008030150-1 and -2) were received in our laboratory for analysis. The condition of the sample upon receipt at the laboratory is noted on the attached sample receipt checklist. Chain of custody documentation is enclosed. Tests were conducted in accordance with U.S. Department of Agriculture Handbook No. 60, *"Diagnosis and Improvement of Saline and Alkali Solids"*.

The results of the analysis are shown on the following page. A < sign indicates the value reported was the practical quantitation limit for this sample using the method described. Concentrations of analyte, if present, below this were not quantifiable. Sample results are not corrected for analyte blank concentrations. Values in brackets are the quality control limits for the associated quality control test.

Reviewed by _____
Kathleen A. Smit – Laboratory Manager

Attachments: Sample Receipt Checklist
Laboratory Test Summary

nct

As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of our clients and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval. Test results apply specifically to the samples tested only. The entire report shall not be reproduced, except in full, without the written approval of the laboratory. Samples will be disposed of after testing is completed unless other arrangements are agreed to in writing.

Northern Analytical Laboratories, Inc.

Client Name: TETRA TECH MM
Project No.: 114-181750.4
Project Name: RFETS-OLF
Collected by: CLIENT
Date Received: 03/21/2008
Matrix: SOIL
Order No.: 2008030150

Sample Number	Description	Date Collected	Measured Value	Test Units	Test Method	PQL Value	Date of Analysis
Organic Matter dry basis							
1	TtP-2 @ 4	03/04/2008	0.91	%	24	0.10	03/25/2008
2	TtP-4 @ 6	03/04/2008	1.85	%	24	0.10	03/25/2008
3	DUPLICATE OF 2008030150-1	03/04/2008	1.05	%	24	0.10	03/25/2008
4	MATRIX SPIKE OF 2008030150-2	03/04/2008	77	% [75-125]	24	0.10	03/25/2008
5	METHOD BLANK	-----	<0.1	%	24	0.10	03/25/2008
6	LABORATORY CONTROL SAMPLE	-----	63	% [62-138]	24	0.10	03/25/2008

Samples to Billings

Walkley Black method

Rush

Due 3/24/08 By 10:00

2008 V CC 030150

Project Name: RFETS-OLF
Project No. 114-181750.4
Laboratory Testing Program-Test Pits
Date March 4, 2008

Boring ID/Depth	Depth	Moisture/Density	Atterberg	Gradation	200 WASH	organic content	std Proctor
TtP-1	7-8		x		x		
TtP-1	12		x		x		
☆ TtP-2	4		x		x	x	
TtP-2	7		x		x		
TtP-2	11		x	x			
TtP-3	8		x		x		
TtP-3	11.5-12		x		x		
☆ TtP-4	6		x	x		x	
TtP-4	10-11		x		x		
TtP-5	8		x		x		
TtP-5	9-10		x	x			
TtP-6	9		x		x		
TtP-6	10		x	x			
TtP-7	8		x	x			
TtP-8	4-6		x	x			
TtP-8	11-13		x	x			

1

2

Dup 1 3
Sph 2 4
MB 5
LOS 6

Relinquished by Glenn 3/21/08 @ 1000 rec by M Walton

Notes: Please do laboratory tests as indicated.
No formal report is needed.
Only the amount of review necessary to assure test/calculation accuracy is needed.
Please send electronic file and 1 hard copy of results.
Please provide results by 3/14/08 or call to arrange alternate schedule.
Thanks!

Tom Chapel
970-223-9600
tom.chapel@tetratech.com

NORTHERN
Analytical Laboratories, Inc.

SAMPLE RECEIPT CHECKLIST

Dear Valued Client: This checklist documents the condition of your sample(s) as it (they) arrived at our lab. Please review it and familiarize yourself with its contents. Should you have any questions or comments, please contact us. Thank you for your use of our services.

Client Name: TT-Denver

Date/Time Received: 3/21/08 1000 (Date / Time)

Project: RFETS-OLF

Received by: MW

Laboratory Number(s): 030150

Carrier Name: S HAND

Checklist Completed by: MW 3/21/08 (Initials / Date)

Sample Type: Soil

	YES	NO
1. Shipping container in good condition?	NA	
2. Custody seals present on shipping container? Condition: Intact ____ Broken ____	✓	
3. Chain of custody present?	✓	
4. Chain of custody signed when relinquished and received?	✓	
5. Chain of custody agrees with sample labels?	✓	
6. Custody seals on sample bottles? Condition: Intact ____ Broken ____		✓
7. Samples in proper container/bottle?*	✓	
8. Sample containers intact?*	✓	
9. Sufficient sample volume for indicated test?*	✓	
10. Ice/Frozen Blue Ice present in shipping container? (circle one)	NA	
container temperature 1.____ 2.____ 3.____ * (if <0 or>10)		
11. All samples rec'd within holding time?*		
12. VOA vials have zero headspace? * (if contains >5mm headspace)		
13. Trip Blank received?		

	YES	NO
14. pH check performed by: ____		
15. Metals bottle(s) pH <2?	NA	
16. Nutrient bottle(s) pH <2?		
17. Cyanide bottle(s) pH >12?		
18. Sulfide bottle(s) pH >9?		
19. TOC bottle(s) pH <2?		
20. Phenolics bottle(s) pH <2?		
21. Oil & grease bottle(s) pH <2? (checked by analyst)		
22. EPH/DRO bottle(s) pH <2? (checked by analyst)		
23. Volatiles (VOA) pH <2? (checked by analyst)		
24. Semivolatiles (525) pH <2? (checked by analyst)		
25. Other test types		
26. Client contacted?		
27. Person contacted		
28. Date contacted		

NOTES: **Samples may be affected when not transported at the temperature recommended by the EPA for the test you've selected. Please contact the lab if you have concerns about the temperature of your samples.**

Critical item - if marked "NO" contact lab manager.

COMMENTS: _____

NORTHERN
Analytical Laboratories, Inc.

602 South 25th Street
P O Box 30315
Billings, MT 59107
Telephone: (406) 254-7226
Fax: (406) 254-1389

REPORT TO: ATTN: DAVID CASTELBAUM
TETRA TECH MM
3801 AUTOMATION WAY; SUITE 100
FORT COLLINGS, CO 80524

DATE: March 17, 2008
JOB NUMBER: 07-933
PAGE: 1 of 2
INVOICE NO.: 8030081

REPORT OF: Soil Analysis

CASE NARRATIVE:

On March 12, 2008, this soil sample (laboratory number 2008030081-1) was received in our laboratory for analysis. The condition of the sample upon receipt at the laboratory is noted on the attached sample receipt checklist. Chain of custody documentation is enclosed. Tests were conducted in accordance with U.S. Department of Agriculture Handbook No. 60, *"Diagnosis and Improvement of Saline and Alkali Solids"*.

The results of the analysis are shown on the following page. A < sign indicates the value reported was the practical quantitation limit for this sample using the method described. Concentrations of analyte, if present, below this were not quantifiable. Sample results are not corrected for analyte blank concentrations. Values in brackets are the quality control limits for the associated quality control test.

Reviewed by _____
Kathleen A. Smit – Laboratory Manager

Attachments: Sample Receipt Checklist
Laboratory Test Summary

nct

As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of our clients and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval. Test results apply specifically to the samples tested only. The entire report shall not be reproduced, except in full, without the written approval of the laboratory. Samples will be disposed of after testing is completed unless other arrangements are agreed to in writing.

Northern Analytical Laboratories, Inc.

Client Name: TETRA TECH MM
Project No.: NONE GIVEN
Project Name: NONE GIVEN
Collected by: CLIENT
Date Received: 03/12/2008
Matrix: SOIL
Order No.: 2008030081

Sample Number	Description	Date Collected	Measured Value	Test Units	Test Method	PQL Value	Date of Analysis
Organic Matter dry basis							
1	COMPOSITE OF TT-TP4 @ 4' AND TT-TP6 @ 3', 114-181268	-----	0.85	%	24	0.10	03/17/2008
2	DUPLICATE OF 2008030081-1	-----	0.80	%	24	0.10	03/17/2008
3	METHOD BLANK	-----	<0.1	%	24	0.10	03/17/2008
4	LABORATORY CONTROL SAMPLE	-----	91	% [61-139]	24	0.10	03/17/2008

Due 3/12/08 @ 4:00

Gartner, George

From: Castelbaum, David
Sent: Tuesday, March 11, 2008 9:09 AM
To: Gartner, George
Subject: Soil sample

Walkley Black

RUSH Report & Invoice to Fort Collins Office (07-9

George,

The sample for organic content is being sent priority mail today, and you shoud receive it tomorrow in the morning. We would like to have the results by next Monday.

Thanks

Dave

20080300 81-1 VCC
Composite -
TT-TP4 @ 4' & TT-TP6 @ 3'
114-181268

David Castelbaum, M.S., P.E. | Geotechnical Engineer
Main (970) 223-9600 ext.212
Direct (970) 206-4212
Fax (970) 223-7171
david.castelbaum@tetratech.com

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www.tetratech.com

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Relinquished by: [illegible] 1300 3/12

Received by: Norma C. Trankel @1300 3/12/08

NORTHERN
Analytical Laboratories, Inc.

SAMPLE RECEIPT CHECKLIST

Dear Valued Client: This checklist documents the condition of your sample(s) as it (they) arrived at our lab. Please review it and familiarize yourself with its contents. Should you have any questions or comments, please contact us. Thank you for your use of our services.

Client Name: TT-St Collins

Date/Time Received: 3/12/08 1300 (Date / Time)

Project: NA

Received by: NT

Laboratory Number(s): 030081

Carrier Name: HAND (TT-Bldg)

Checklist Completed by: MW 3/12/08 (Initials / Date)

Sample Type: Soil

	YES	NO
1. Shipping container in good condition?	NA	
2. Custody seals present on shipping container? Condition: Intact ____ Broken ____	✓	
3. Chain of custody present? e-MAIL		✓
4. Chain of custody signed when relinquished and received?	✓	
5. Chain of custody agrees with sample labels?		✓
6. Custody seals on sample bottles? Condition: Intact ____ Broken ____		✓
7. Samples in proper container/bottle?*	✓	
8. Sample containers intact?*	✓	
9. Sufficient sample volume for indicated test?*	✓	
10. Ice/Frozen Blue Ice present in shipping container? (circle one)		✓
container temperature 1.____ 2.____ 3.____ * (if <0 or>10)		
11. All samples rec'd within holding time?*	?	
12. VOA vials have zero headspace? * (if contains >5mm headspace)	NA	
13. Trip Blank received?	✓	

	YES	NO
14. pH check performed by: ____		
15. Metals bottle(s) pH <2?	NA	
16. Nutrient bottle(s) pH <2?		
17. Cyanide bottle(s) pH >12?		
18. Sulfide bottle(s) pH >9?		
19. TOC bottle(s) pH <2?		
20. Phenolics bottle(s) pH <2?		
21. Oil & grease bottle(s) pH <2? (checked by analyst)		
22. EPH/DRO bottle(s) pH <2? (checked by analyst)		
23. Volatiles (VOA) pH <2? (checked by analyst)		
24. Semivolatiles (525) pH <2? (checked by analyst)		
25. Other test types	✓	
26. Client contacted?		
27. Person contacted		
28. Date contacted		

NOTES: **Samples may be affected when not transported at the temperature recommended by the EPA for the test you've selected. Please contact the lab if you have concerns about the temperature of your samples.**

Critical item - if marked "NO" contact lab manager.

COMMENTS: added ID off of the Bag - no sample date

Table 1 - Summary of Geotechnical Laboratory Test Results

Boring or Test Pit ID	Sample		Sample Description/Classification[2]		Atterberg Limits (%) LL/PL/PI[3]	Particle Sizes (%)[4]			Standard Laboratory Compaction[5]	
	Depth (ft)	Type[1]				Gravel	Sand	Fines	Maximum Dry Unit Weight (pcf)	Optimum Water Content (%)
Tt-TP1	4	Bulk	Fill: Clayey Gravel with Sand	GC	37/12/25	38.5	38.0	23.5	118.8 (130.2)	11.8 (8.1)
Composite: Tt-TP5 Tt-TP8 Tt-TP9	0 - 2 0 - 2 0 - 2	Bulk	Fill: Clayey Sand with Gravel	SC	43/12/31	27.9	40.3	31.8	113.3 (119.1)	14.5 (12.2)
Composite: Tt-TP4 Tt-TP6	4 3	Bulk	Fill: Sandy Lean Clay	CL	46/13/33	14.8	26.5	58.7	104.6 (110.6)	20.1 (17.1)

[1] Bulk = Bucket sample.
[2] ASTM D 2437 (Unified Soil Classification System, USCS) used for classification.
[3] LL = Liquid Limit, PL = Plastic Limit, PI = Plasticity Index (PI = LL - PL).
[4] Gravel = 4.75 mm to 75 mm, Sand = 0.074 mm to 4.758 mm, Fines (silt and clay) = less than 0.074 mm.
[5] Rock corrected values indicated in parentheses.

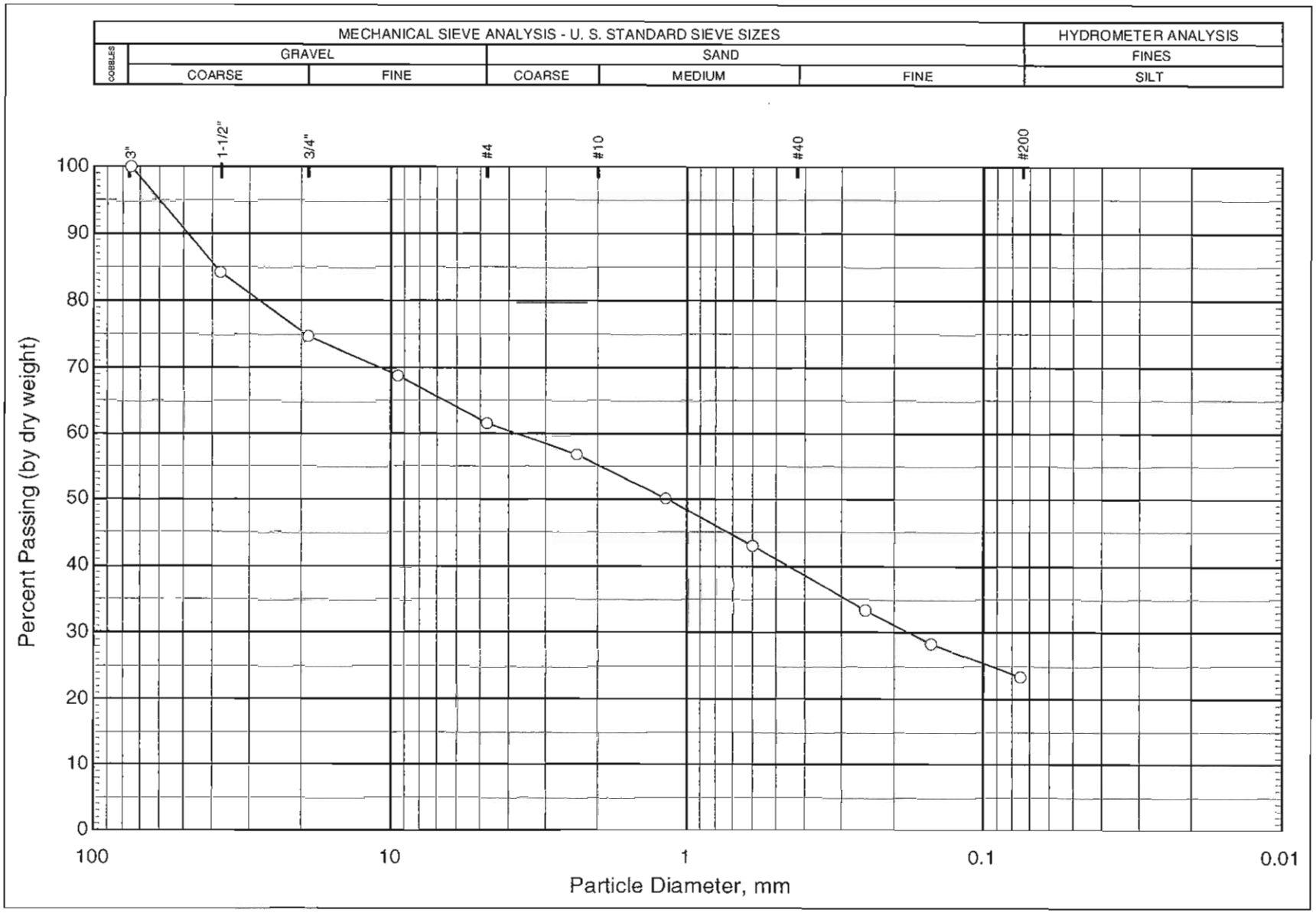


Figure G.1
Particle-size Distribution
Tt-TP1 at 4 feet

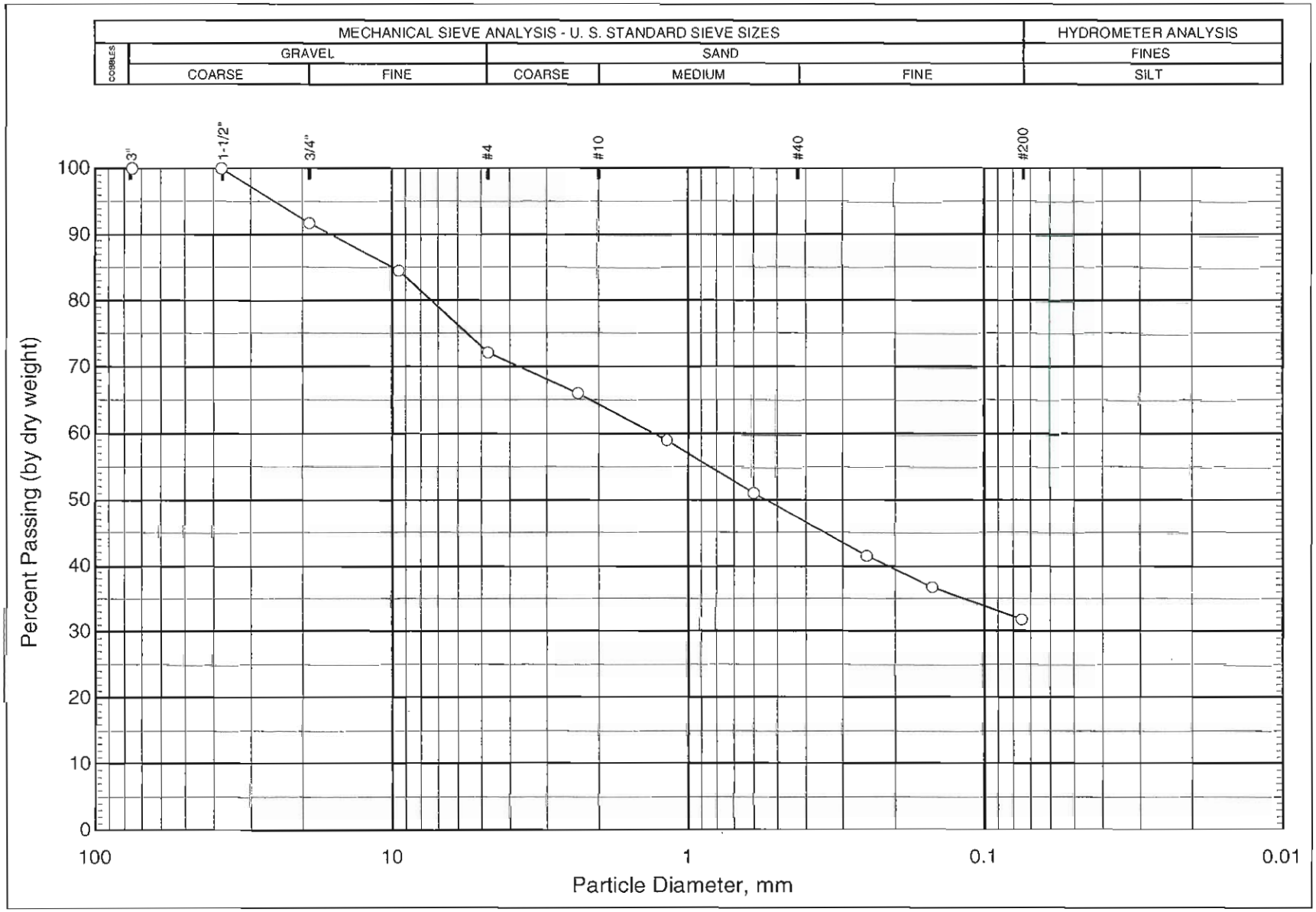


Figure G.8
Particle-size Distribution
Composite: Tt-TP5, 8, and 9 at 0 - 2 feet

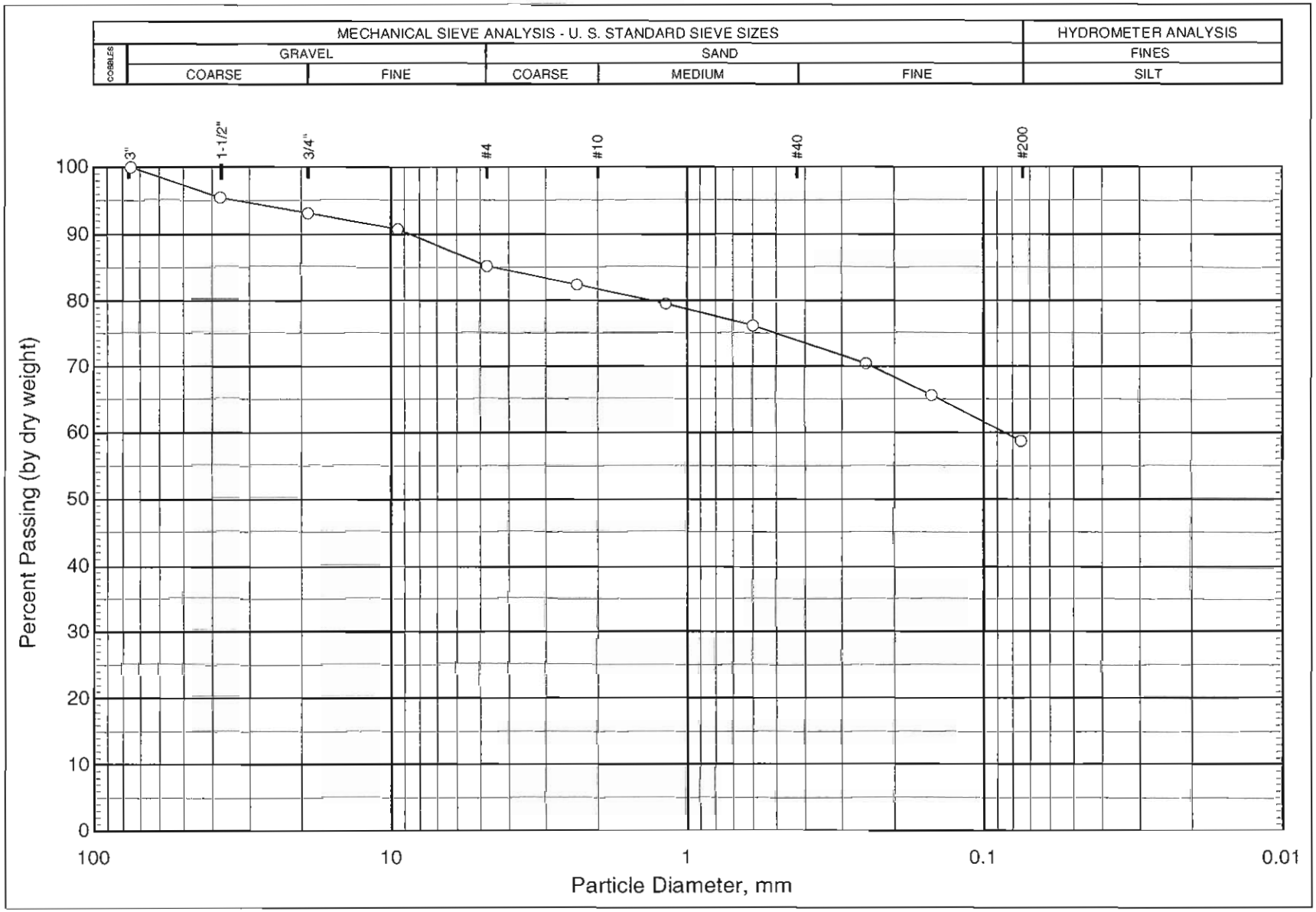


Figure G.3
Particle-size Distribution
Composite: Tt-TP4 at 4 feet and Tt-TP6 at 3 feet

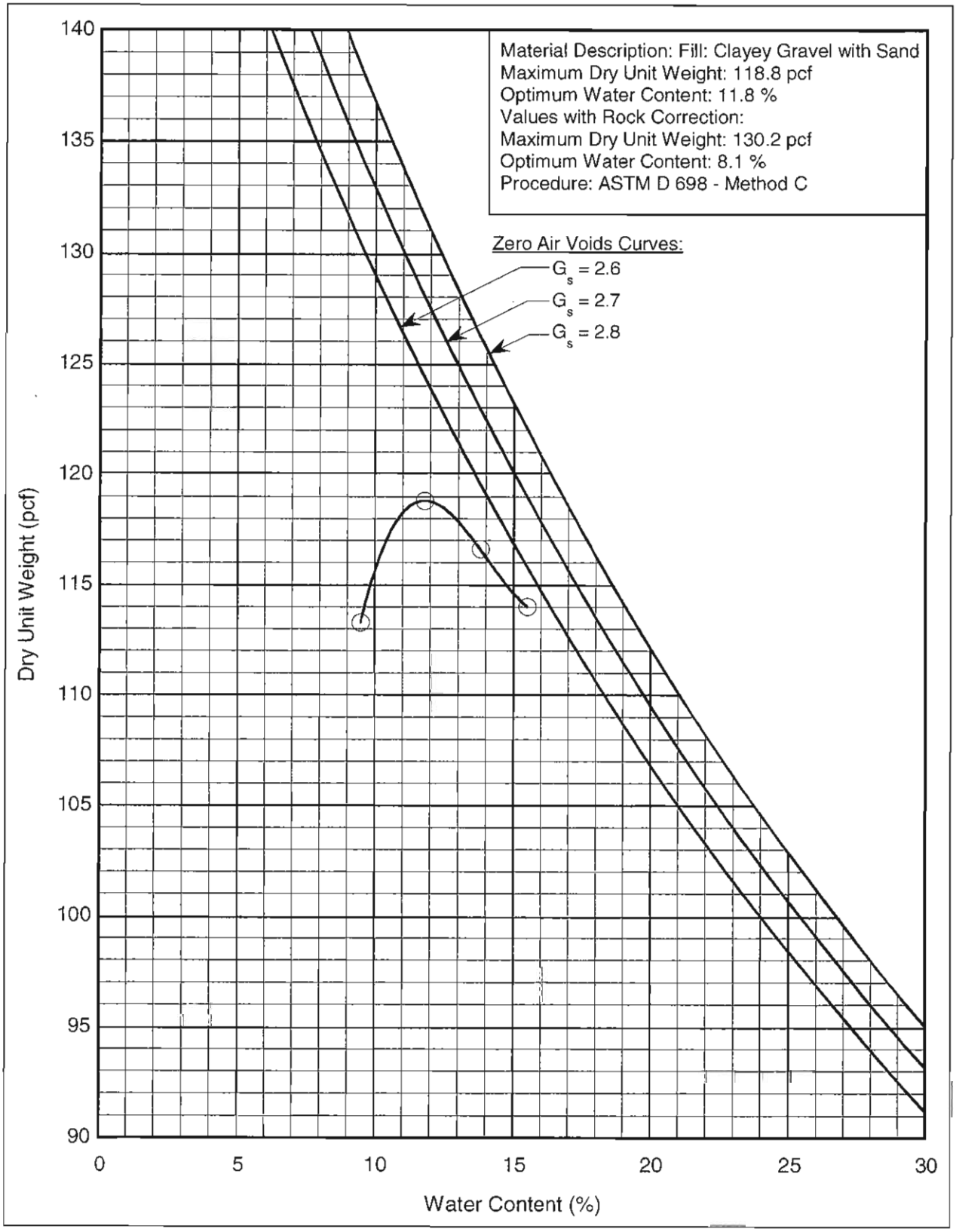


Figure C.1
Laboratory Compaction Curve
Tt-TP1 at 4 feet

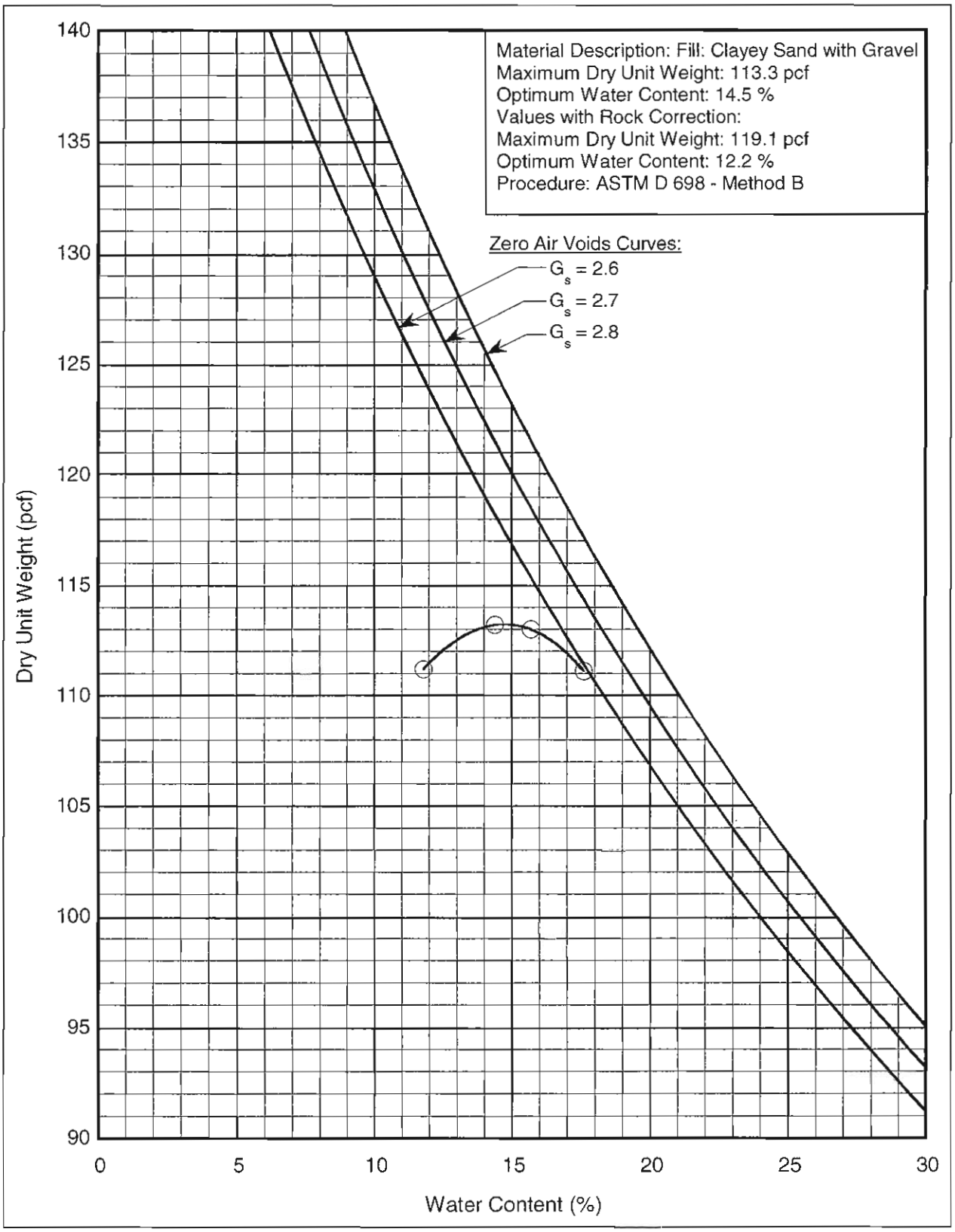


Figure C.2
Laboratory Compaction Curve
Composite: Tt-TP5, 8, and 9 at 0 - 2 feet

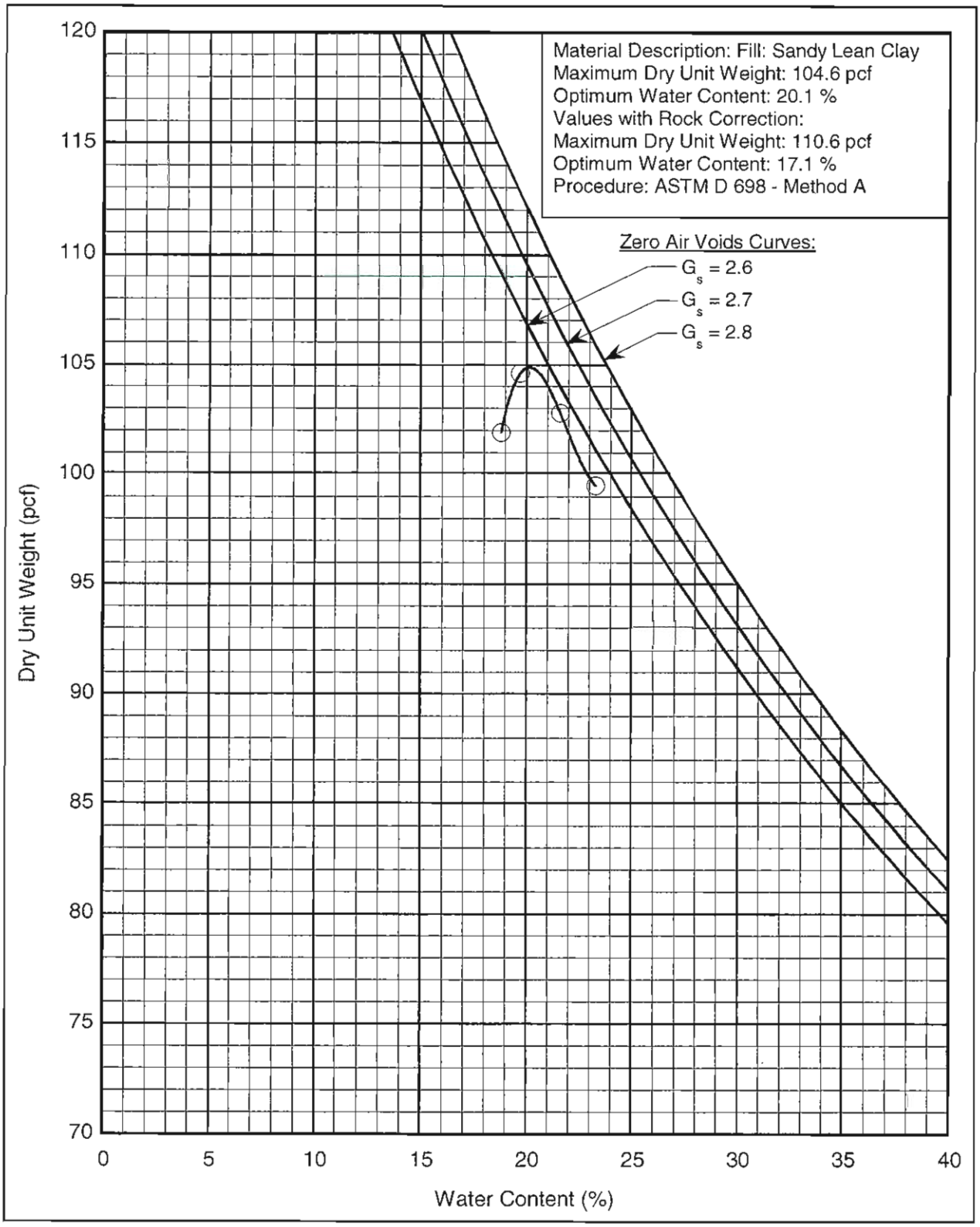


Figure C.3
Laboratory Compaction Curve
Composite: Tt-TP4 at 4 feet and Tt-TP6 at 3 feet

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-1
Depth: 7.0'-8.0'
Material Description: fat clay
Liquid Limit: 52 **Plastic Limit:** 23
USCS Classification: CH **AASHTO Classification:** A-7-6(28)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
160.10	0.00	0.00	#4	0.00	100.0
			#200	18.70	88.3

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	2.4	4.4	4.9	11.7			88.3

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
								0.1362	0.8044

Fineness Modulus
0.29

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-1
Depth: 12'
Material Description: fat clay
Liquid Limit: 50 **Plastic Limit:** 23
USCS Classification: CH **AASHTO Classification:** A-7-6(29)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
151.00	0.00	0.00	#4	0.00	100.0
			#200	6.00	96.0

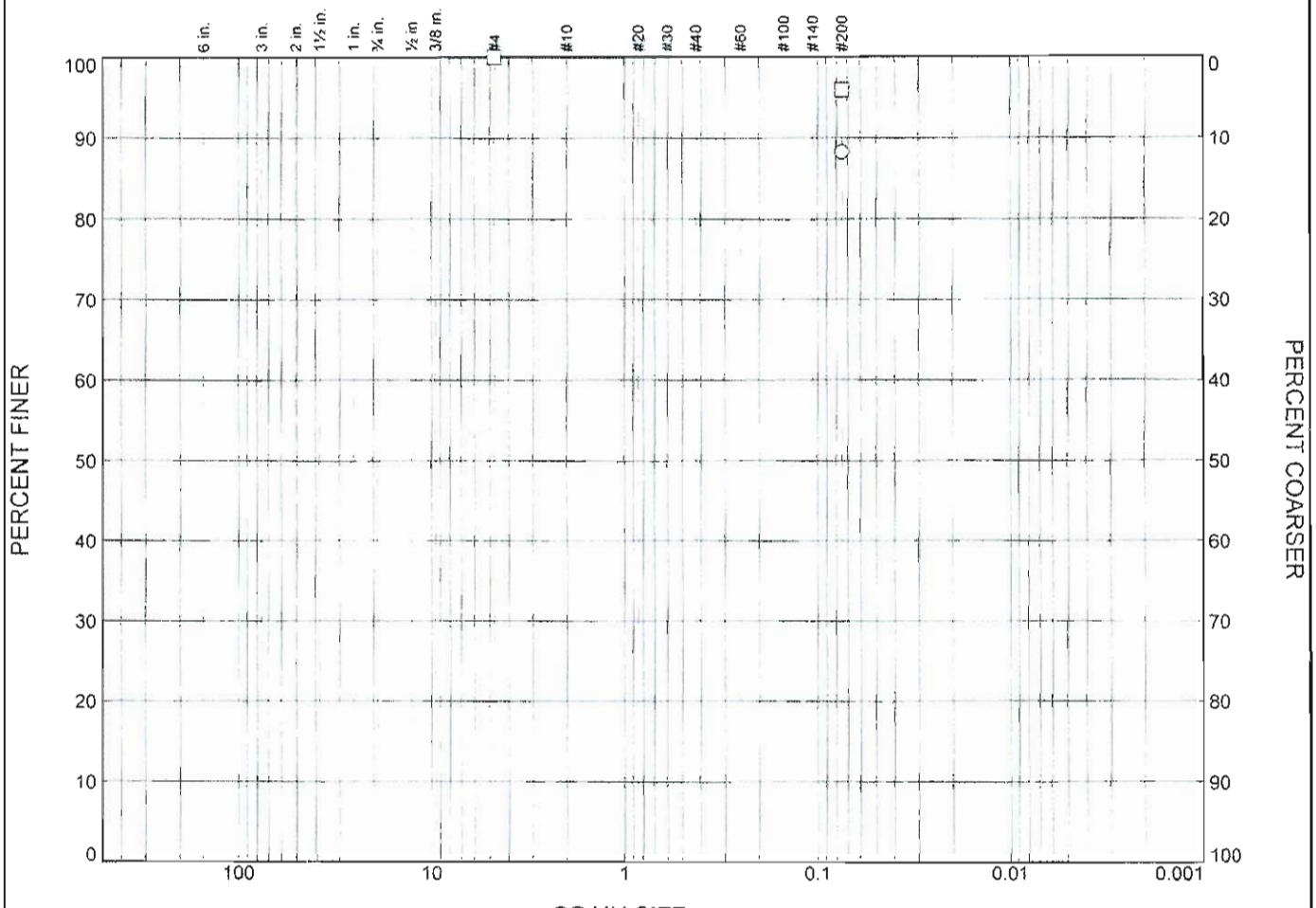
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.8	1.5	1.7	4.0			96.0

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}

Fineness Modulus
0.10

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	2.4	4.4	4.9	88.3	
□	0.0	0.0	0.0	0.8	1.5	1.7	96.0	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	52	23								
□	50	23								

	Material Description	USCS	AASHTO
○	fat clay	CH	A-7-6(28)
□	fat clay	CH	A-7-6(29)

Project No. 114- **Client:**

Project: RFETS-OLF

○ **Source of Sample:** TtP-1 **Depth:** 7.0'-8.0'

□ **Source of Sample:** TtP-1 **Depth:** 12'

Remarks:

Tetra Tech, Inc.

Billings, MT

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-2
Depth: 4'
Material Description: clayey sand with gravel
Liquid Limit: 38 Plastic Limit: 21
USCS Classification: SC AASHTO Classification: A-2-6(0)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
543.70	0.00	0.00	1	0.00	100.0
			3/4	90.20	83.4
			1/2	136.20	74.9
			3/8	173.70	68.1
			#4	228.40	58.0
			#10	294.10	45.9
			#20	370.20	31.9
			#40	429.50	21.0
			#80	445.50	18.1
			#100	451.50	17.0
			#200	460.50	15.3

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	16.6	25.4	42.0	12.1	24.9	5.7	42.7			15.3

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
		0.3701	0.7654	2.6187	5.6950	17.1106	19.7599	21.7141	23.5402

Fineness Modulus
4.43

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-2
Depth: 7'
Material Description: clayey sand
Liquid Limit: 61 **Plastic Limit:** 30
USCS Classification: SC **AASHTO Classification:** A-2-7(3)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
154.70	0.00	0.00	3/8	0.00	100.0
			#4	18.60	88.0
			#10	31.30	79.8
			#20	47.60	69.2
			#40	62.30	59.7
			#80	91.40	40.9
			#100	97.80	36.8
			#200	106.70	31.0

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	12.0	12.0	8.2	20.1	28.7	57.0			31.0

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
				0.2637	0.4318	2.0481	3.6366	5.4710	7.3268

Fineness Modulus
2.03

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-2
Depth: 11'
Material Description: sandy lean clay
Liquid Limit: 39 **Plastic Limit:** 17
USCS Classification: CL **AASHTO Classification:** A-6(10)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
541.70	0.00	0.00	1/2	0.00	100.0
			3/8	10.80	98.0
			#4	15.90	97.1
			#10	20.80	96.2
			#20	28.60	94.7
			#40	45.10	91.7
			#80	136.20	74.9
			#100	164.00	69.7
			#200	214.70	60.4

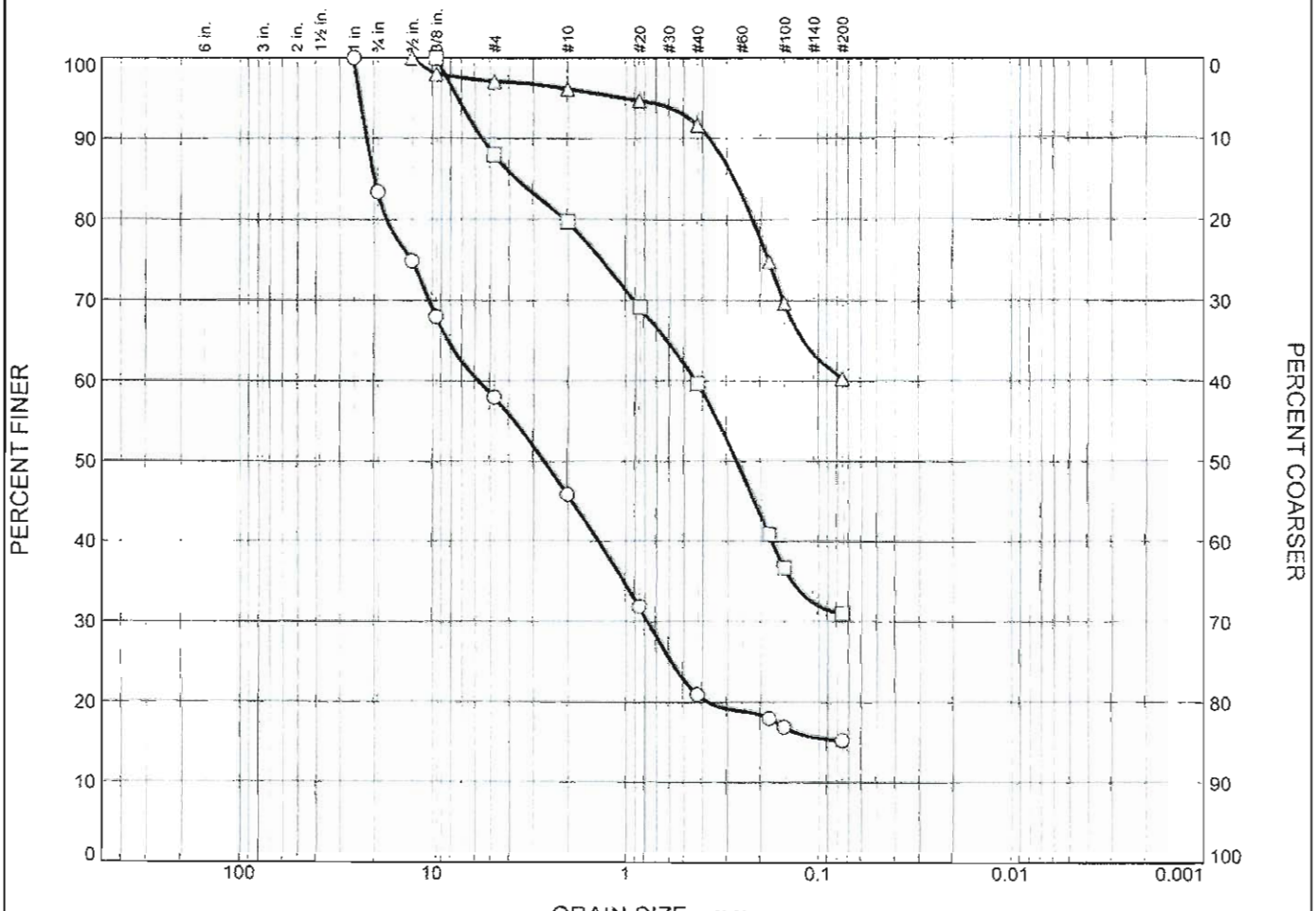
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	2.9	2.9	0.9	4.5	31.3	36.7			60.4

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
						0.2183	0.2729	0.3680	1.0038

Fineness Modulus
0.63

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	16.6	25.4	12.1	24.9	5.7	15.3	
□	0.0	0.0	12.0	8.2	20.1	28.7	31.0	
△	0.0	0.0	2.9	0.9	4.5	31.3	60.4	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	38	21	19.7599	5.6950	2.6187	0.7654				
□	61	30	3.6366	0.4318	0.2637					
△	39	17	0.2729							

Material Description	USCS	AASHTO
○ clayey sand with gravel	SC	A-2-6(0)
□ clayey sand	SC	A-2-7(3)
△ sandy lean clay	CL	A-6(10)

Project No. 114- **Client:**

Project: RFETS-OLF

○ **Source of Sample:** TtP-2 **Depth:** 4'

□ **Source of Sample:** TtP-2 **Depth:** 7'

△ **Source of Sample:** TtP-2 **Depth:** 11'

Remarks:

Tetra Tech, Inc.

Billings, MT

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-3
Depth: 8'
Material Description: sandy lean clay
Liquid Limit: 40 **Plastic Limit:** 19
USCS Classification: CL **AASHTO Classification:** A-6(8)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
167.50	0.00	0.00	#4	0.00	100.0
			#200	78.00	53.4

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	9.7	17.4	19.5	46.6			53.4

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
					0.1346	0.7997	1.2484	1.9490	3.0426

Fineness Modulus
1.17

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-3
Depth: 11.5'-12.0'
Material Description: fat clay
Liquid Limit: 53 **Plastic Limit:** 27
USCS Classification: CH **AASHTO Classification:** A-7-6(31)

Sieve Test Data

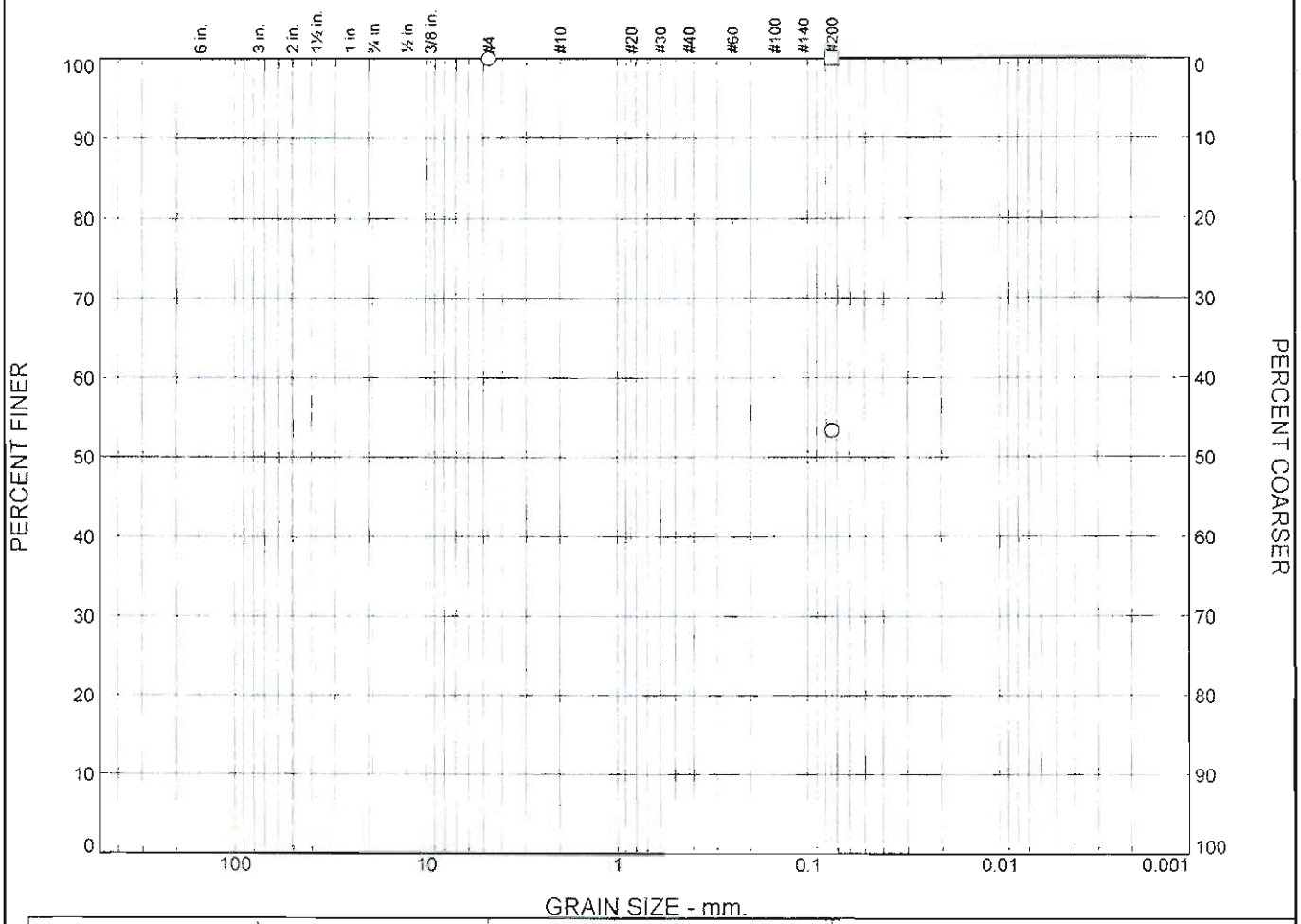
Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
201.40	0.00	0.00	#200	0.00	100.0

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			100.0

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	9.7	17.4	19.5	53.4	
□	0.0	0.0	0.0	0.0	0.0	0.0	100.0	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	40	19	1.2484	0.1346						
□	53	27								

Material Description	USCS	AASHTO
○ sandy lean clay	CL	A-6(8)
□ fat clay	CH	A-7-6(31)

Project No. 114- **Client:**

Project: RFETS-OLF

○ **Source of Sample:** TtP-3 **Depth:** 8'

□ **Source of Sample:** TtP-3 **Depth:** 11.5'-12.0'

Remarks:

Tetra Tech, Inc.

Billings, MT

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-4
Depth: 6'
Material Description: clayey sand with gravel
Liquid Limit: 39 **Plastic Limit:** 21
USCS Classification: SC **AASHTO Classification:** A-2-6(1)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
177.00	0.00	0.00	3/4	0.00	100.0
			1/2	12.40	93.0
			3/8	16.90	90.5
			#4	27.40	84.5
			#10	35.70	79.8
			#20	49.40	72.1
			#40	71.10	59.8
			#80	105.70	40.3
			#100	112.10	36.7
			#200	128.70	27.3

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	15.5	15.5	4.7	20.0	32.5	57.2			27.3

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
			0.0951	0.2764	0.4284	2.0618	5.0607	9.0002	14.5890

Fineness Modulus
2.13

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-4
Depth: 10'-11'
Material Description: clayey sand
Liquid Limit: 30 **Plastic Limit:** 19
USCS Classification: SC **AASHTO Classification:** A-6(0)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
134.60	0.00	0.00	#4	0.00	100.0
			#200	86.00	36.1

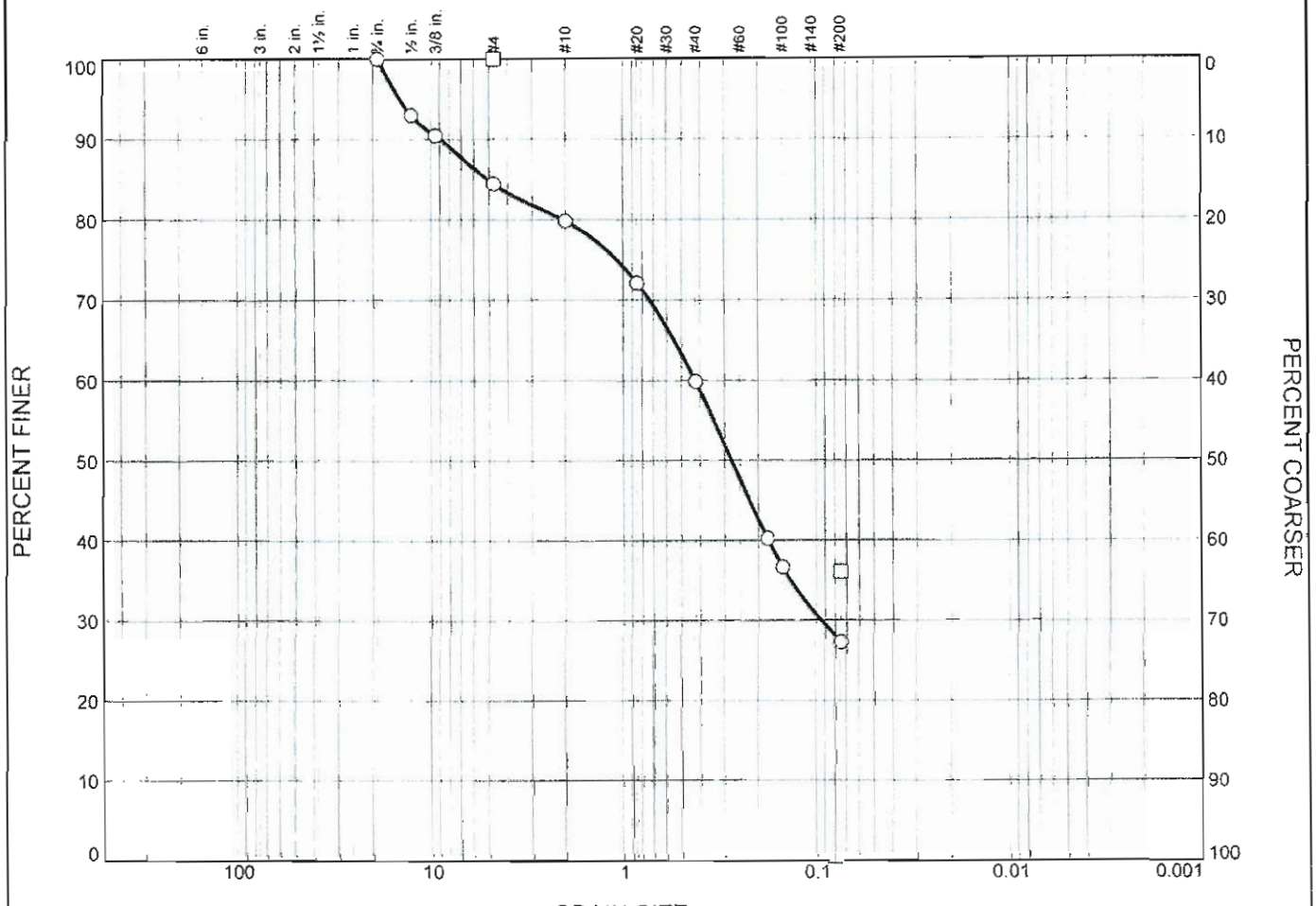
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	13.3	23.9	26.7	63.9			36.1

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
				0.1848	0.3538	1.2964	1.7936	2.4815	3.4332

Fineness Modulus
1.60

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	15.5	4.7	20.0	32.5	27.3	
□	0.0	0.0	0.0	13.3	23.9	26.7	36.1	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	39	21	5.0607	0.4284	0.2764	0.0951				
□	30	19	1.7936	0.3538	0.1848					

Material Description	USCS	AASHTO
○ clayey sand with gravel	SC	A-2-6(1)
□ clayey sand	SC	A-6(0)

Project No. 114- **Client:**

Project: RFETS-OLF

○ **Source of Sample:** TtP-4 **Depth:** 6'

□ **Source of Sample:** TtP-4 **Depth:** 10'-11'

Remarks:

Tetra Tech, Inc.

Billings, MT

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-5
Depth: 8'
Material Description: clayey sand with gravel
Liquid Limit: 45 **Plastic Limit:** 22
USCS Classification: SC **AASHTO Classification:** A-2-7(0)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
137.60	0.00	0.00	1	0.00	100.0
			3/4	22.70	83.5
			1/2	27.40	80.1
			3/8	30.10	78.1
			#4	37.50	72.7
			#10	50.10	63.6
			#20	64.50	53.1
			#40	77.90	43.4
			#80	90.10	34.5
			#100	102.70	25.4
			#200	112.70	18.1

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	16.5	10.8	27.3	9.1	20.2	25.3	54.6			18.1

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
		0.0899	0.1645	0.7094	1.4317	12.2435	19.7865	21.7904	23.5902

Fineness Modulus
3.31

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-5
Depth: 9'-10'
Material Description: clayey sand with gravel
Liquid Limit: 46 **Plastic Limit:** 21
USCS Classification: SC **AASHTO Classification:** A-7-6(6)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
438.70	0.00	0.00	1	0.00	100.0
			3/4	26.10	94.1
			1/2	37.60	91.4
			3/8	55.30	87.4
			#4	89.00	79.7
			#10	117.30	73.3
			#20	152.40	65.3
			#40	183.20	58.2
			#80	222.40	49.3
			#100	230.30	47.5
			#200	248.70	43.3

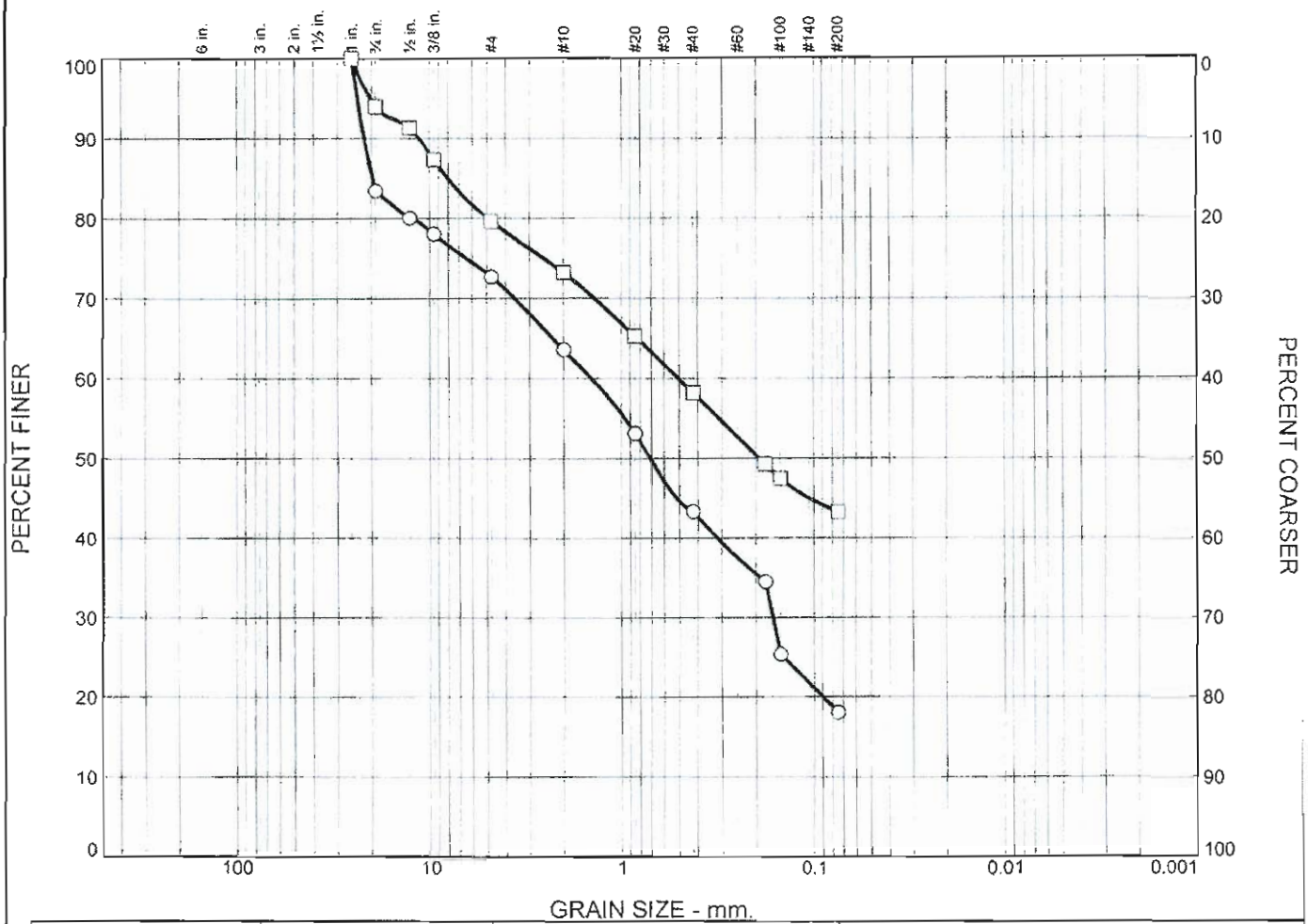
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	5.9	14.4	20.3	6.4	15.1	14.9	36.4			43.3

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
				0.1925	0.5046	4.9192	8.0286	11.2770	20.2629

Fineness Modulus
2.32

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	16.5	10.8	9.1	20.2	25.3	18.1	
□	0.0	5.9	14.4	6.4	15.1	14.9	43.3	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	45	22	19.7865	1.4317	0.7094	0.1645				
□	46	21	8.0286	0.5046	0.1925					

Material Description	USCS	AASHTO
○ clayey sand with gravel	SC	A-2-7(0)
□ clayey sand with gravel	SC	A-7-6(6)

Project No. 114- **Client:**

Project: RFETS-OLF

○ **Source of Sample:** TtP-5 **Depth:** 8'

□ **Source of Sample:** TtP-5 **Depth:** 9'-10'

Remarks:

Tetra Tech, Inc.

Billings, MT

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-6
Depth: 9'
Material Description: sandy lean clay with gravel
Liquid Limit: 49 **Plastic Limit:** 21
USCS Classification: CL **AASHTO Classification:** A-7-6(13)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
139.80	0.00	0.00	1	0.00	100.0
			3/8	12.40	91.1
			#4	21.60	84.5
			#10	27.40	80.4
			#20	33.70	75.9
			#40	39.50	71.7
			#80	51.20	63.4
			#100	53.50	61.7
			#200	59.40	57.5

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	2.5	13.0	15.5	4.1	8.7	14.2	27.0			57.5

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
					0.1183	1.8315	5.0393	8.5201	14.3193

Fineness Modulus
1.64

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-6
Depth: 10'
Material Description: lean clay
Liquid Limit: 40 **Plastic Limit:** 18
USCS Classification: CL **AASHTO Classification:** A-6(18)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
331.00	0.00	0.00	#10	0.00	100.0
			#20	2.00	99.4
			#40	5.30	98.4
			#80	10.90	96.7
			#100	20.40	93.8
			#200	50.00	84.9

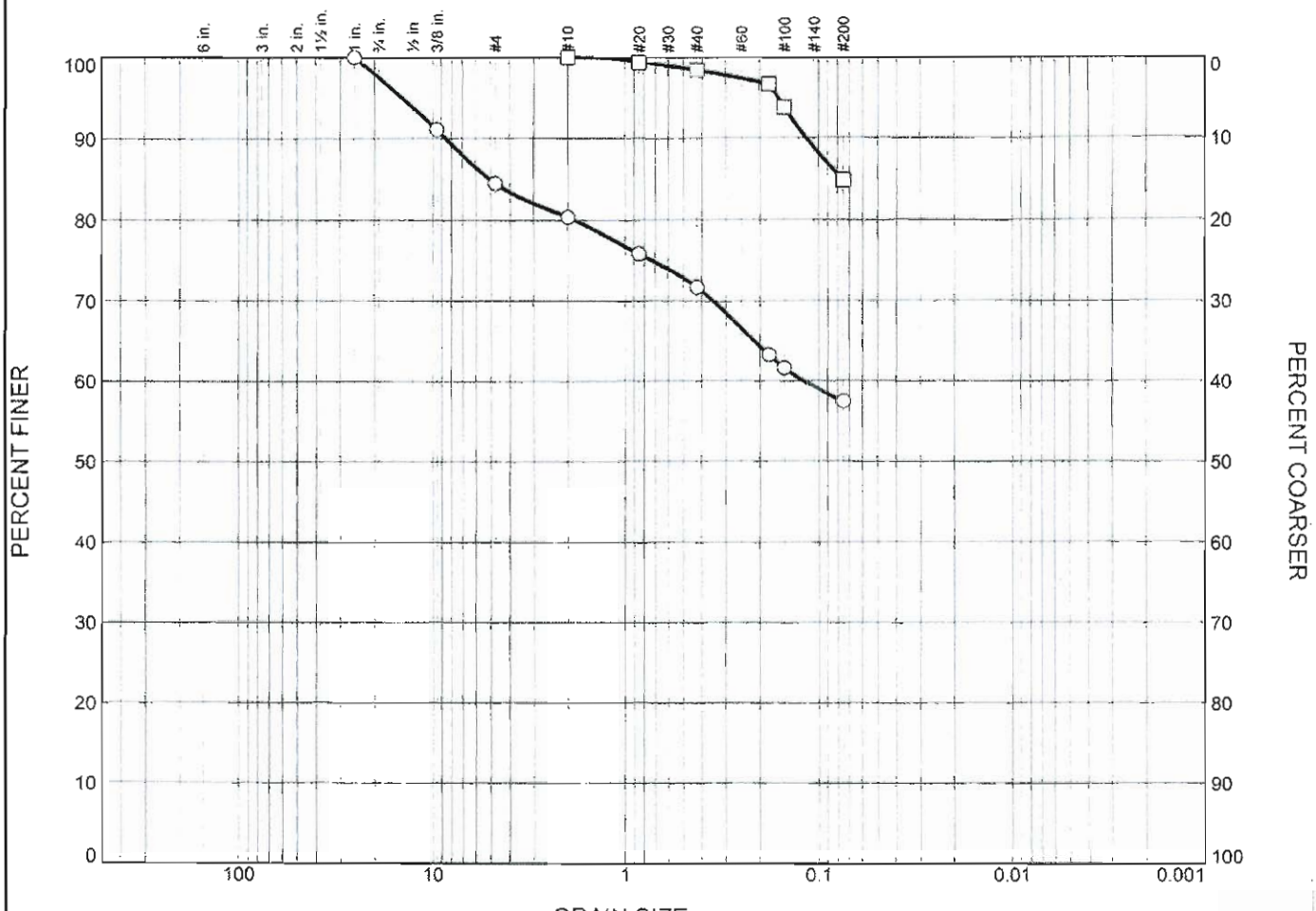
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	1.6	13.5	15.1			84.9

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
							0.0757	0.1153	0.1610

Fineness Modulus
0.10

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	2.5	13.0	4.1	8.7	14.2	57.5	
□	0.0	0.0	0.0	0.0	1.6	13.5	84.9	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	49	21	5.0393	0.1183						
□	40	18	0.0757							

Material Description	USCS	AASHTO
○ sandy lean clay with gravel	CL	A-7-6(13)
□ lean clay	CL	A-6(18)

Project No. 114- **Client:**

Project: RFETS-OLF

○ **Source of Sample:** TtP-6 **Depth:** 9'

□ **Source of Sample:** TtP-6 **Depth:** 10'

Remarks:

Tetra Tech, Inc.

Billings, MT

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-7
Depth: 8'
Material Description: clayey sand with gravel
Liquid Limit: 34 Plastic Limit: 20
USCS Classification: SC AASHTO Classification: A-2-6(0)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
283.60	0.00	0.00	3/4	0.00	100.0
			1/2	9.80	96.5
			3/8	19.90	93.0
			#4	56.10	80.2
			#10	99.00	65.1
			#20	162.30	42.8
			#40	199.90	29.5
			#80	223.00	21.4
			#100	228.00	19.6
			#200	238.40	15.9

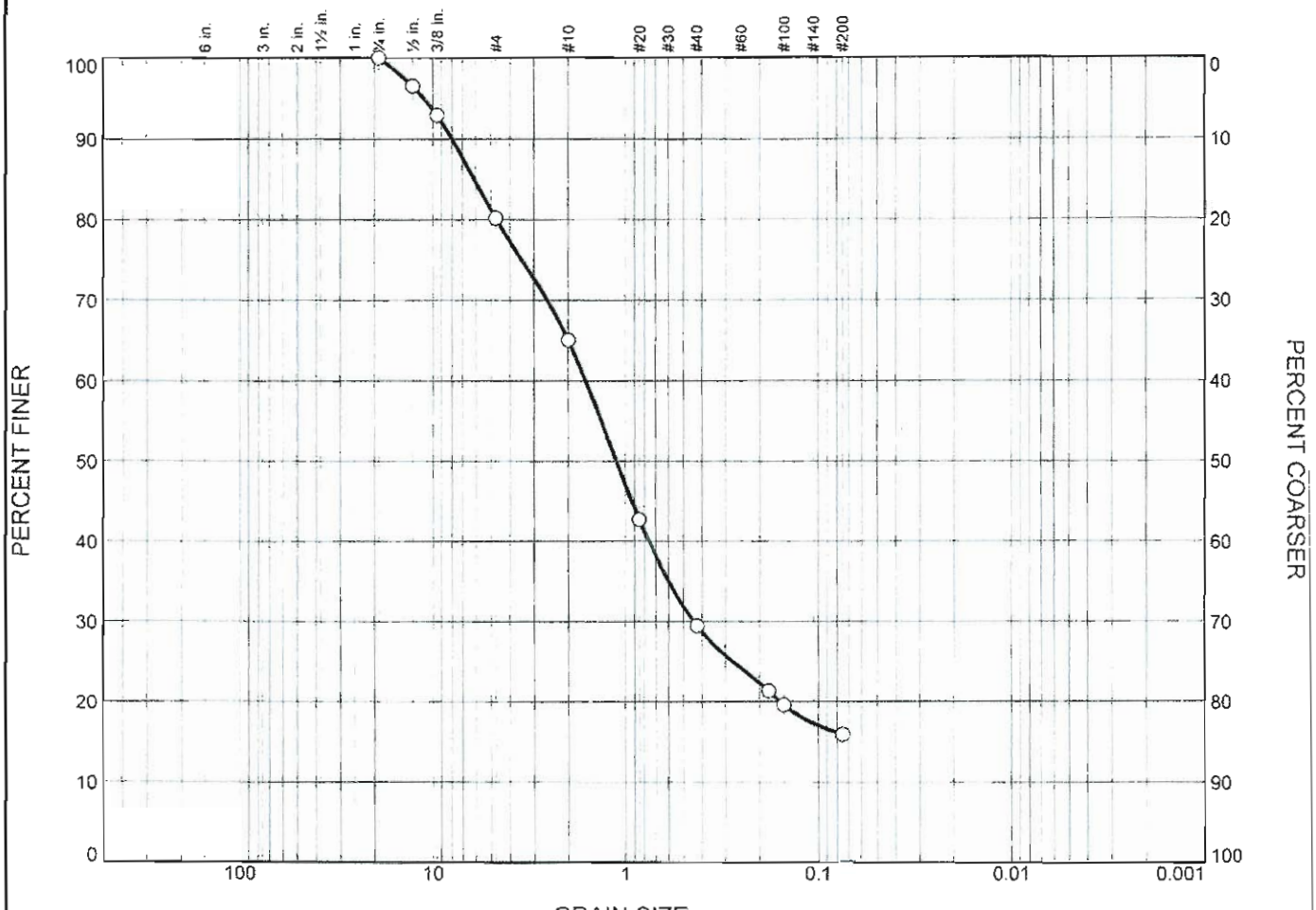
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	19.8	19.8	15.1	35.6	13.6	64.3			15.9

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
		0.1565	0.4405	1.1182	1.6182	4.6921	6.1140	7.9562	11.0569

Fineness Modulus
3.26

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	19.8	15.1	35.6	13.6	15.9	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	34	20	6.1140	1.6182	1.1182	0.4405				

	Material Description	USCS	AASHTO
○	clayey sand with gravel	SC	A-2-6(0)

Project No. 114- **Client:**

Project: RFETS-OLF

○ **Source of Sample:** TtP-7 **Depth:** 8'

Remarks:

Tetra Tech, Inc.

Billings, MT

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-8
Depth: 4'-6'
Material Description: fat clay with sand
Liquid Limit: 53 **Plastic Limit:** 22
USCS Classification: CH **AASHTO Classification:** A-7-6(26)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
341.70	0.00	0.00	3/8	0.00	100.0
			#4	2.90	99.2
			#10	10.50	96.9
			#20	22.30	93.5
			#40	34.10	90.0
			#80	49.50	85.5
			#100	53.40	84.4
			#200	63.60	81.4

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.8	0.8	2.3	6.9	8.6	17.8			81.4

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
							0.1660	0.4232	1.1980

Fineness Modulus
0.44

GRAIN SIZE DISTRIBUTION TEST DATA

3/21/2008

Project: RFETS-OLF
Project Number: 114-181750.4
Location: TtP-8
Depth: 11'-13'
Material Description: fat clay with sand
Liquid Limit: 59 **Plastic Limit:** 26
USCS Classification: CH **AASHTO Classification:** A-7-6(30)

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
224.20	0.00	0.00	#4	0.00	100.0
			#200	38.10	83.0

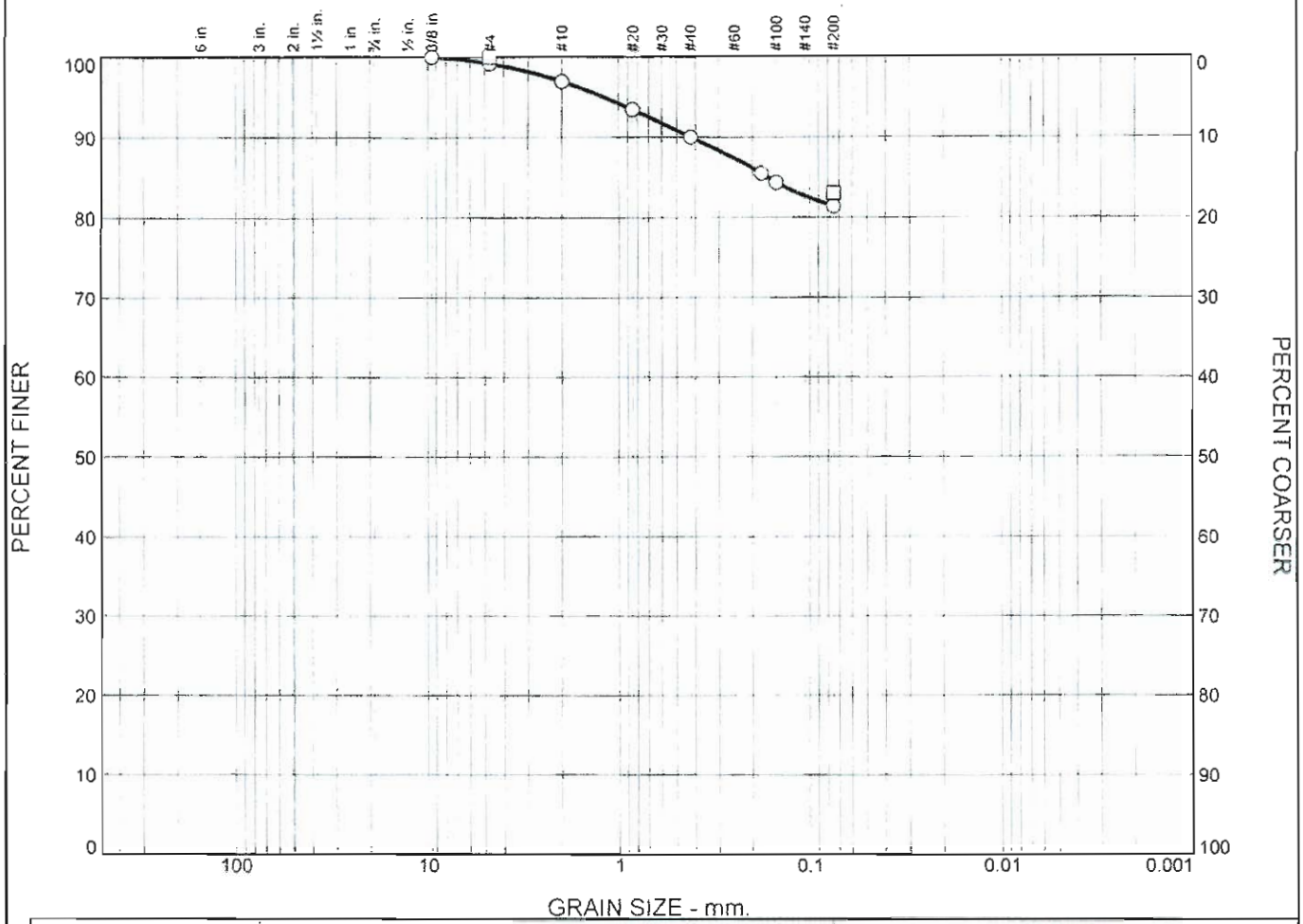
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	3.5	6.4	7.1	17.0			83.0

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
							0.1220	0.4135	1.4015

Fineness Modulus
0.43

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.8	2.3	6.9	8.6	81.4	
□	0.0	0.0	0.0	3.5	6.4	7.1	83.0	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	53	22	0.1660							
□	59	26	0.1220							

Material Description	USCS	AASHTO
○ fat clay with sand	CH	A-7-6(26)
□ fat clay with sand	CH	A-7-6(30)

Project No. 114- **Client:**

Project: RFETS-OLF

○ **Source of Sample:** TtP-8 **Depth:** 4'-6'

□ **Source of Sample:** TtP-8 **Depth:** 11'-13'

Remarks:

Tetra Tech, Inc.

Billings, MT

Figure

DIRECT SHEAR TEST DATA
ASTM D 3080

CLIENT Tetra Tech

JOB NO. 2592-04

BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	26.5'	TEST STARTED	04-23-08 CAL
SAMPLE NO.	B	TEST FINISHED	04-23-08 DPM
POINT	A	CELL NUMBER	Geomatic
SOIL DESCR.	#114-181750	SATURATED TEST	Yes
LOCATION	Rocky Flats OLF	TEST TYPE	CD
NORMAL STRESS (psf)	5992		

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER TEST
Wt. Soil + Moisture (g)	97.9	97.9
Wt. Wet Soil & Pan (g)	104.6	104.6
Wt. Dry Soil & Pan (g)	87.0	87.0
Wt. Lost Moisture (g)	17.6	17.6
Wt. of Pan Only (g)	6.7	6.7
Wt. of Dry Soil (g)	80.3	80.3
Moisture Content %	21.9	21.9
Wet Density (pcf)	126.4	132.3
Dry Density (pcf)	103.7	108.5

Init. Diameter (in)	1.938
Init. Area (sq in)	2.950
Init. Height (in)	1.000
Vol. Bef. Consol. (cu ft)	0.00171
Final Height (in)	0.956
Vol. After Consol. (cu ft)	0.00163

Test Set Up: Continuous Increasing Deflection Control
Shear Speed: 0.00690 in/min

Notes & Comments:

Data File Name: TTDST52A.DAT

Normal Stress:	5992 psf	41.61 psi
Peak Stress:	3524 psf	24.47 psi
Ultimate Stress:	3524 psf	24.47 psi

Data entry by: SR Date: 05/02/2008
Data checked by: DPM Date: 5/5/08
FileName: TTDSTT5

ADVANCED TERRA TESTING, Inc. ATT

DIRECT SHEAR TEST DATA
ASTM D 3080

CLIENT Tetra Tech

JOB NO. 2592-04

BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	26.5'	TEST STARTED	04-23-08 CAL
SAMPLE NO.	B	TEST FINISHED	04-23-08 DPM
POINT	B	CELL NUMBER	Geomatic
SOIL DESCR.	#114-181750	SATURATED TEST	Yes
LOCATION	Rocky Flats OLF	TEST TYPE	CD
NORMAL STRESS (psf)	2938		

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER TEST
Wt. Soil + Moisture (g)	98.1	99.7
Wt. Wet Soil & Pan (g)	104.9	106.4
Wt. Dry Soil & Pan (g)	87.7	87.7
Wt. Lost Moisture (g)	17.2	18.8
Wt. of Pan Only (g)	6.8	6.8
Wt. of Dry Soil (g)	80.9	80.9
Moisture Content %	21.2	23.2
Wet Density (pcf)	126.7	137.6
Dry Density (pcf)	104.5	111.7

Init. Diameter (in)	1.938
Init. Area (sq in)	2.950
Init. Height (in)	1.000
Vol. Bef. Consol. (cu ft)	0.00171
Final Height (in)	0.936
Vol. After Consol. (cu ft)	0.00160

Test Set Up: Continuous Increasing Deflection Control
Shear Speed: 0.00690 in/min

Notes & Comments:

Data File Name: TTDST52B.DAT

Normal Stress:	2938 psf	20.40 psi
Peak Stress:	1977 psf	13.73 psi
Ultimate Stress:	1865 psf	12.95 psi

Data entry by: SR Date: 05/02/2008
Data checked by: DPM Date: 5/5/08
FileName: TTDSTT5

ADVANCED TERRA TESTING, Inc. ATT

DIRECT SHEAR TEST DATA
ASTM D 3080

CLIENT Tetra Tech

JOB NO. 2592-04

BORING NO.	Tt-5	SAMPLED	03-28-08 JLR
DEPTH	26.5'	TEST STARTED	04-23-08 CAL
SAMPLE NO.	B	TEST FINISHED	04-23-08 DPM
POINT	C	CELL NUMBER	Geomatic
SOIL DESCR.	#114-181750	SATURATED TEST	Yes
LOCATION	Rocky Flats OLF	TEST TYPE	CD
NORMAL STRESS (psf)	1469		

MOISTURE/DENSITY DATA	BEFORE TEST	AFTER TEST
Wt. Soil + Moisture (g)	99.0	100.3
Wt. Wet Soil & Pan (g)	105.7	107.0
Wt. Dry Soil & Pan (g)	88.0	88.0
Wt. Lost Moisture (g)	17.8	19.1
Wt. of Pan Only (g)	6.7	6.7
Wt. of Dry Soil (g)	81.2	81.2
Moisture Content %	21.9	23.5
Wet Density (pcf)	127.9	131.5
Dry Density (pcf)	104.9	106.5

Init. Diameter (in)	1.938
Init. Area (sq in)	2.950
Init. Height (in)	1.000
Vol. Bef. Consol. (cu ft)	0.00171
Final Height (in)	0.985
Vol. After Consol. (cu ft)	0.00168

Test Set Up: Continuous Increasing Deflection Control
Shear Speed: 0.00690 in/min

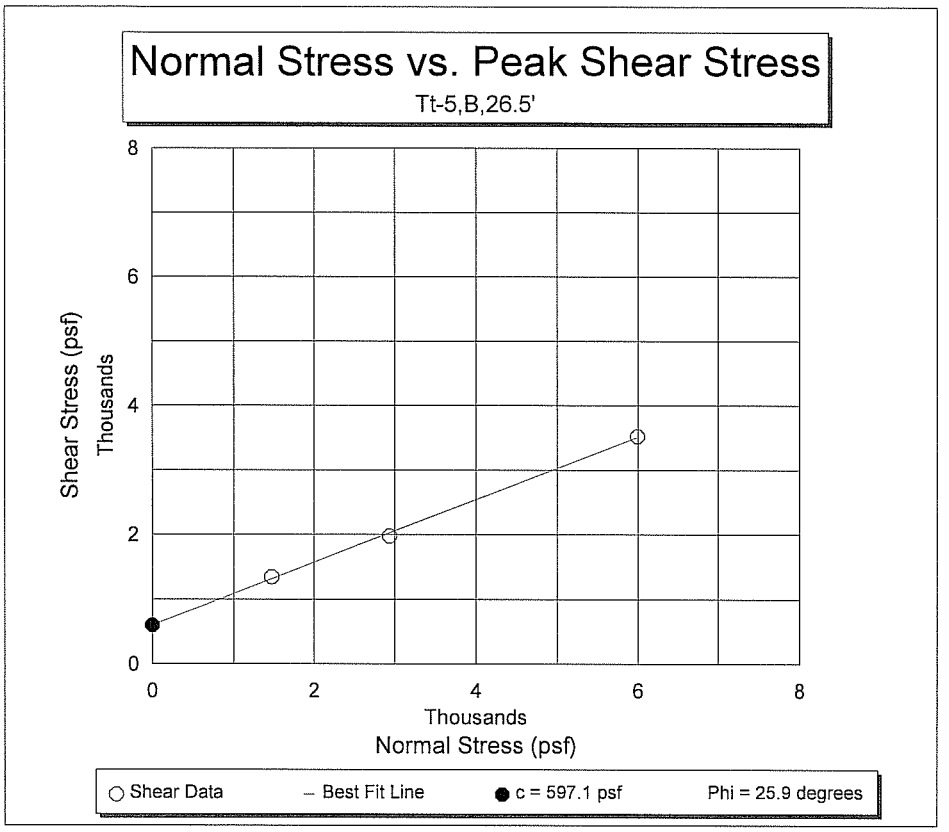
Notes & Comments:

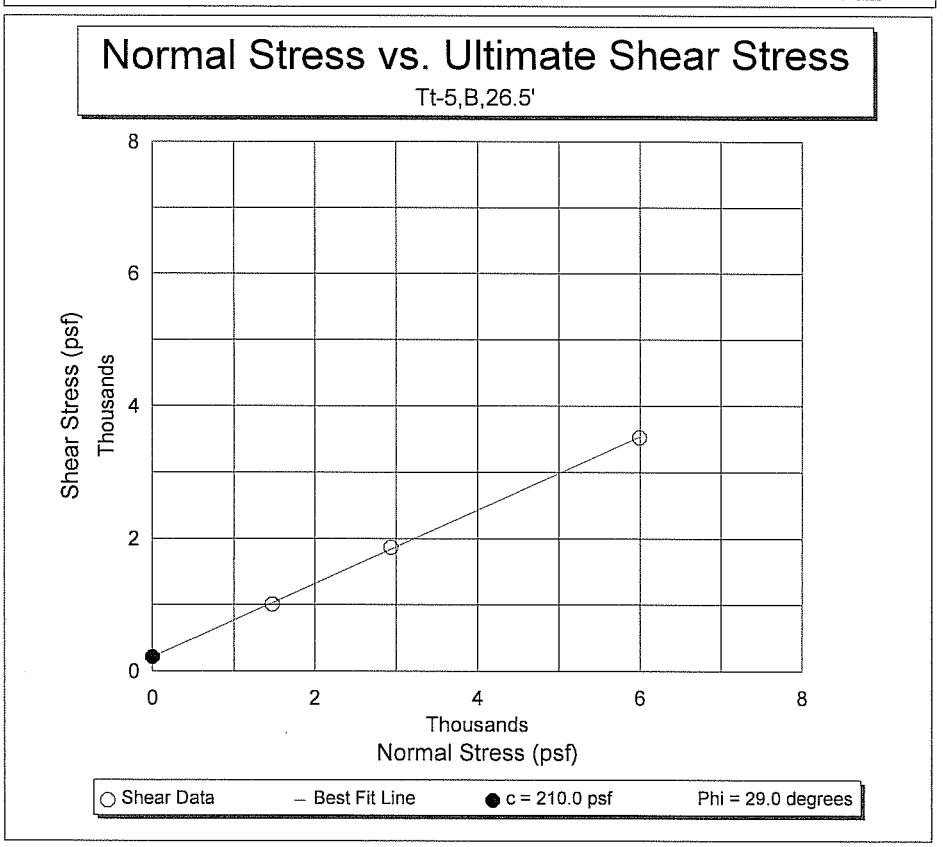
Data File Name: TTDST52C.DAT

Normal Stress:	1469 psf	10.20 psi
Peak Stress:	1343 psf	9.33 psi
Ultimate Stress:	1007 psf	6.99 psi

Data entry by: SR Date: 05/02/2008
Data checked by: DPM Date: 5/5/08
FileName: TTDSTT5

ADVANCED TERRA TESTING, INC. ATT


Normal Stress vs. Peak Shear Stress
Tt-5,B,26.5'
Shear Stress (psf)
Thousands
0
2
4
6
8
Thousands
Normal Stress (psf)
Shear Data
Best Fit Line
c = 597.1 psf
Phi = 25.9 degrees

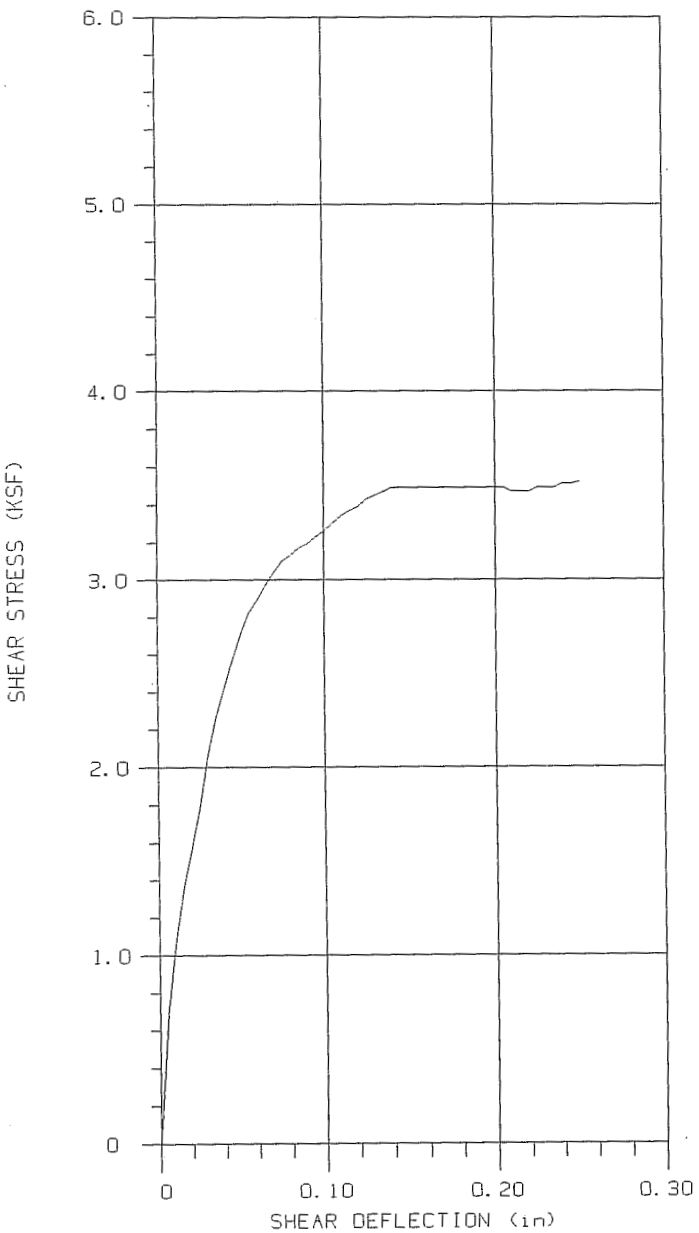

Normal Stress vs. Ultimate Shear Stress
Tt-5,B,26.5'
Shear Stress (psf)
Thousands
0
2
4
6
8
Thousands
Normal Stress (psf)
Shear Data
Best Fit Line
c = 210.0 psf
Phi = 29.0 degrees

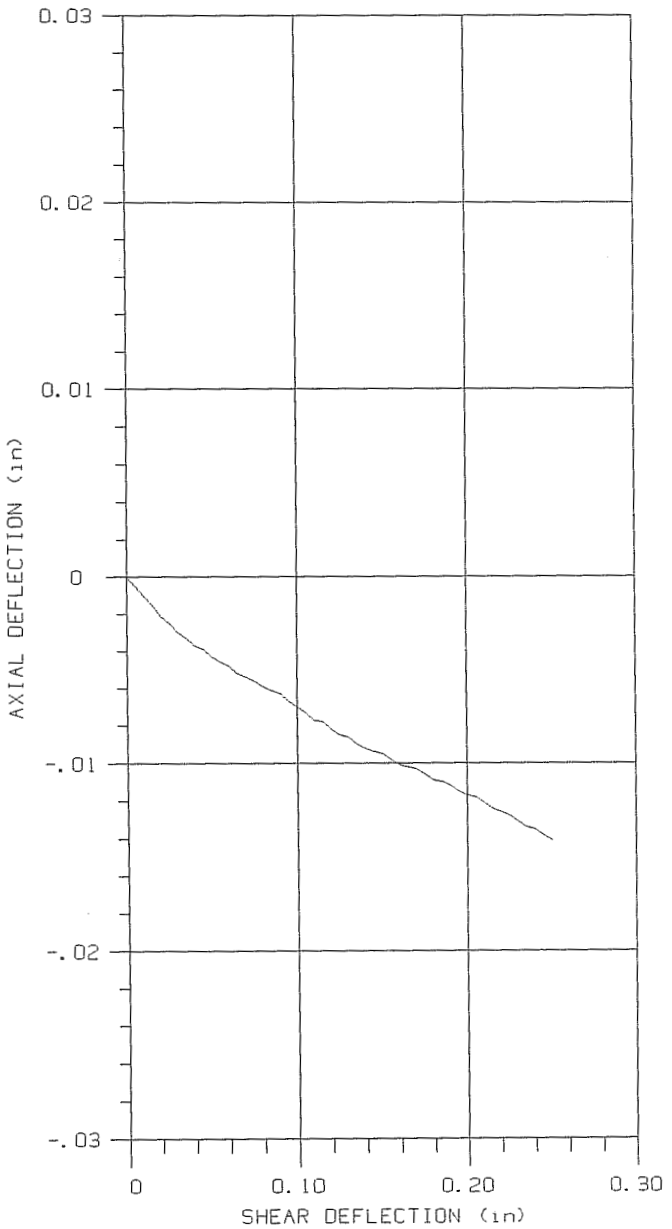
ADVANCED TERRA TESTING

Direct Shear Test

Client..... Tetra Tech
Location..... Rocky Flats OLF

Soil Type.....	114-181750	Job Number.....	2592-04
Depth.....	26.5 (ft)	Sample Number...	B Pt. A
Confining Pressure..	5992 (psf)	Boring.....	Tt-5
Shear Rate.....	.0068 (in/min)	File Name.....	ttdst52a.DAT
Date Tested.....	04-23-2008	Tested By.....	DPM





Pass Number and Line Type....	1 ———	2 - - - - - -	3 —— - -	4 — - - —
Maximum Shear Stress.....	3524	.0000	.0000	.0000
Shear Deflection @ Max Stress.	.2472	.0000	.0000	.0000

GEOMATIC Direct Shear Data

File Name.....ttdst52a.DAT
Client.....Tetra Tech
Job Number....2592-04
Location.....Rocky Flats OLF
Date.....04-23-2008
Technician....DPM
Sample Diameter (in).....1.938
Confining Pressure (psf)..5992
Number of Passes.....1
Shear Distance (in).....0.25
Shear Rate (in/min).....0068
Soil Type.....114-181750
Boring Number.....Tt-5
Sample Number.....B Pt. A
Depth (ft).....26.5

SHEAR DEFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.005	690	-.0005
0.010	1082	-.0010
0.015	1361	-.0015
0.020	1566	-.0021
0.025	1790	-.0025
0.030	2051	-.0030
0.035	2256	-.0033
0.040	2424	-.0037
0.045	2573	-.0039
0.050	2704	-.0043
0.055	2816	-.0046
0.060	2890	-.0048
0.065	2965	-.0052
0.070	3040	-.0054
0.075	3096	-.0056
0.080	3133	-.0059
0.085	3170	-.0061
0.090	3189	-.0063
0.095	3226	-.0067
0.100	3263	-.0070
0.105	3301	-.0073
0.110	3338	-.0077
0.115	3375	-.0078
0.120	3394	-.0082
0.125	3431	-.0085
0.130	3450	-.0086
0.135	3468	-.0090
0.140	3487	-.0092
0.145	3487	-.0094
0.150	3487	-.0095
0.155	3487	-.0098
0.160	3487	-.0101
0.165	3487	-.0102
0.170	3487	-.0103
0.175	3487	-.0106

Continued next page.

Pass 1 Continued

SHEAR DEFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.180	3487	-.0109
0.185	3487	-.0110
0.190	3487	-.0112
0.195	3487	-.0115
0.200	3487	-.0117
0.205	3487	-.0118
0.210	3468	-.0121
0.215	3468	-.0124
0.220	3468	-.0126
0.225	3487	-.0128
0.230	3487	-.0131
0.235	3487	-.0134
0.240	3506	-.0135
0.245	3506	-.0138
0.250	3524	-.0141

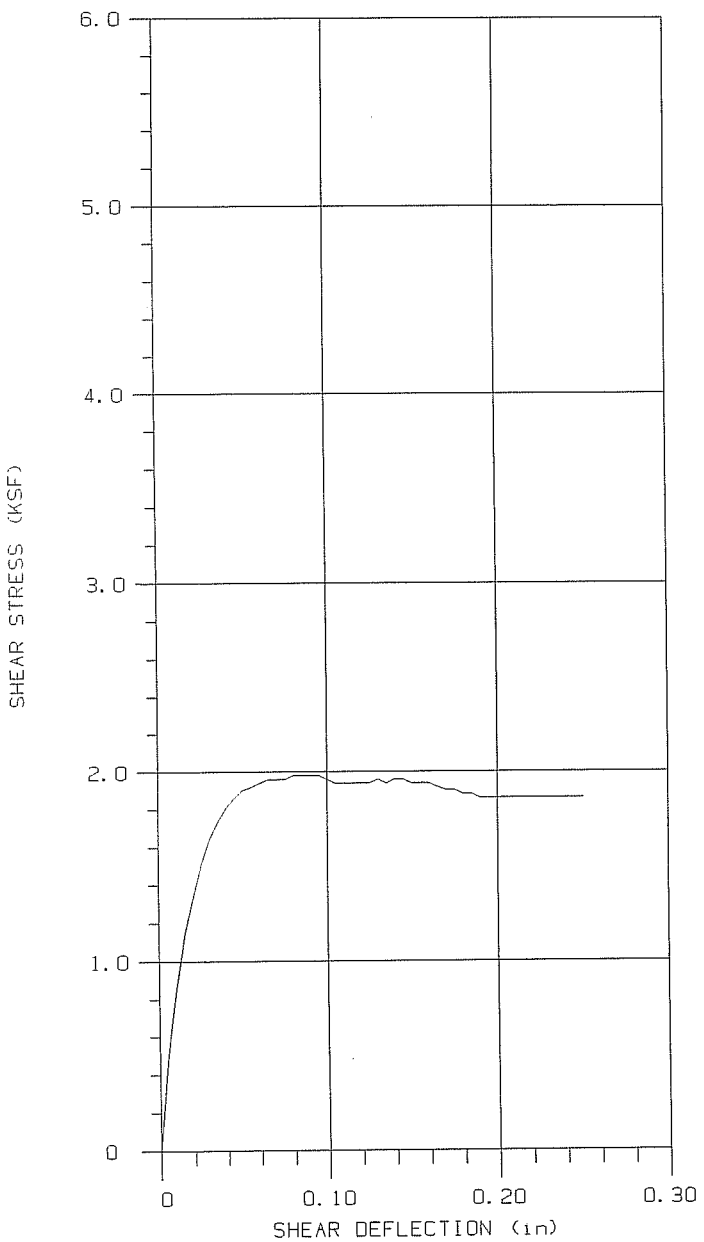
Pass 1 completed with max load = 3524 psf at deflection of .2472 in

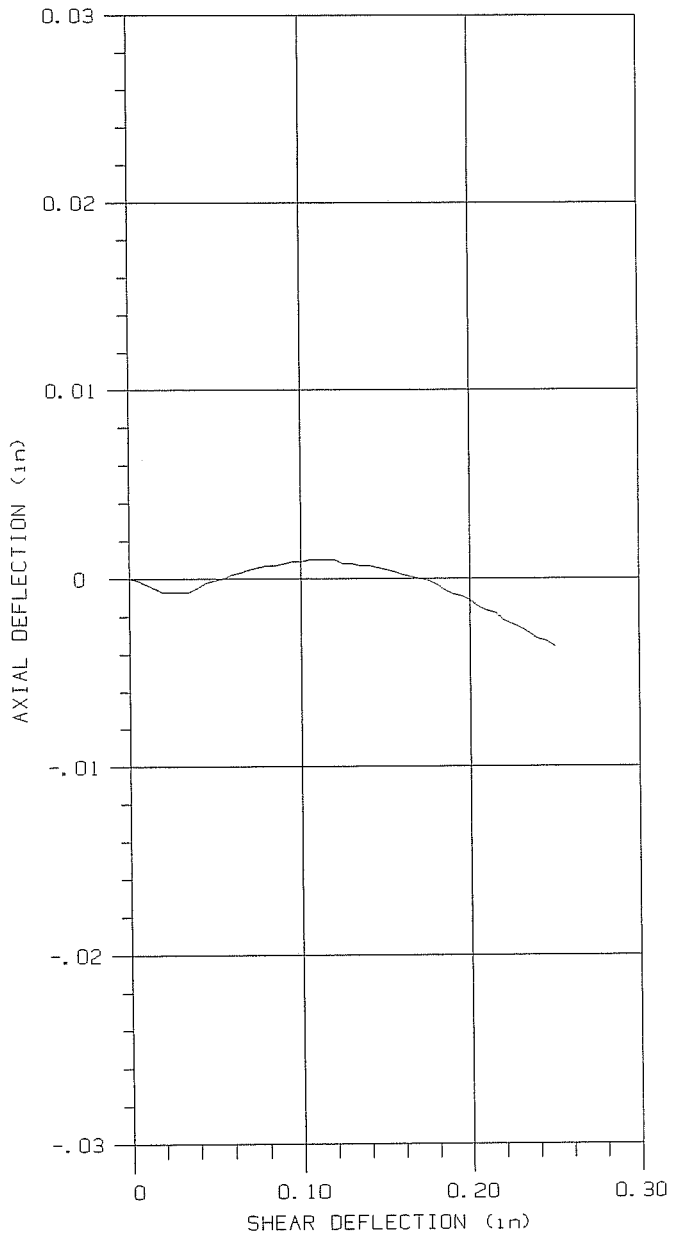
ADVANCED TERRA TESTING

Direct Shear Test

Client..... Tetra Tech
Location..... Rocky Flats OLF

Soil Type.....	114-181750	Job Number.....	2592-04
Depth.....	26.5 (ft)	Sample Number...	B Pt. B
Confining Pressure..	2938 (psf)	Boring.....	Tt-5
Shear Rate.....	.0068 (in/min)	File Name.....	ttdst52b.DAT
Date Tested.....	04-23-2008	Tested By.....	DPM





Pass Number and Line Type....	1 ———	2 - - - - - -	3 —— -	4 —— - - —
Maximum Shear Stress.....	1977	.0000	.0000	.0000
Shear Deflection @ Max Stress.	.0752	.0000	.0000	.0000

EOMATIC Direct Shear Data

ile Name.....ttdst52b.DAT
lient.....Tetra Tech
ob Number....2592-04
ocation.....Rocky Flats OLF
ate.....04-23-2008
echnician....DPM
ample Diameter (in).....1.938
onfining Pressure (psf)..2938
umber of Passes.....1
near Distance (in).....0.25
near Rate (in/min).....0068
oil Type.....114-181750
oring Number.....Tt-5
ample Number.....B Pt. B
epth (ft).....26.5

SHEAR EFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.005	503	-.0001
0.010	858	-.0003
0.015	1138	-.0005
0.020	1343	-.0007
0.025	1510	-.0007
0.030	1641	-.0007
0.035	1734	-.0007
0.040	1809	-.0005
0.045	1865	-.0002
0.050	1902	-.0001
0.055	1921	0.0000
0.060	1939	0.0002
0.065	1958	0.0003
0.070	1958	0.0005
0.075	1958	0.0006
0.080	1977	0.0007
0.085	1977	0.0007
0.090	1977	0.0008
0.095	1977	0.0009
0.100	1958	0.0009
0.105	1939	0.0010
0.110	1939	0.0010
0.115	1939	0.0010
0.120	1939	0.0010
0.125	1939	0.0008
0.130	1958	0.0008
0.135	1939	0.0007
0.140	1958	0.0007
0.145	1958	0.0006
0.150	1939	0.0005
0.155	1939	0.0004
0.160	1939	0.0002
0.165	1921	0.0001
0.170	1902	0.0000
0.175	1902	-.0001

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Pass 1 Continued

SHEAR DEFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.180	1883	-.0003
0.185	1883	-.0006
0.190	1865	-.0008
0.195	1865	-.0009
0.200	1865	-.0011
0.205	1865	-.0015
0.210	1865	-.0017
0.215	1865	-.0018
0.220	1865	-.0022
0.225	1865	-.0024
0.230	1865	-.0026
0.235	1865	-.0029
0.240	1865	-.0032
0.245	1865	-.0033
0.250	1865	-.0036

Pass 1 completed with max load = 1977 psf at deflection of .0752 in

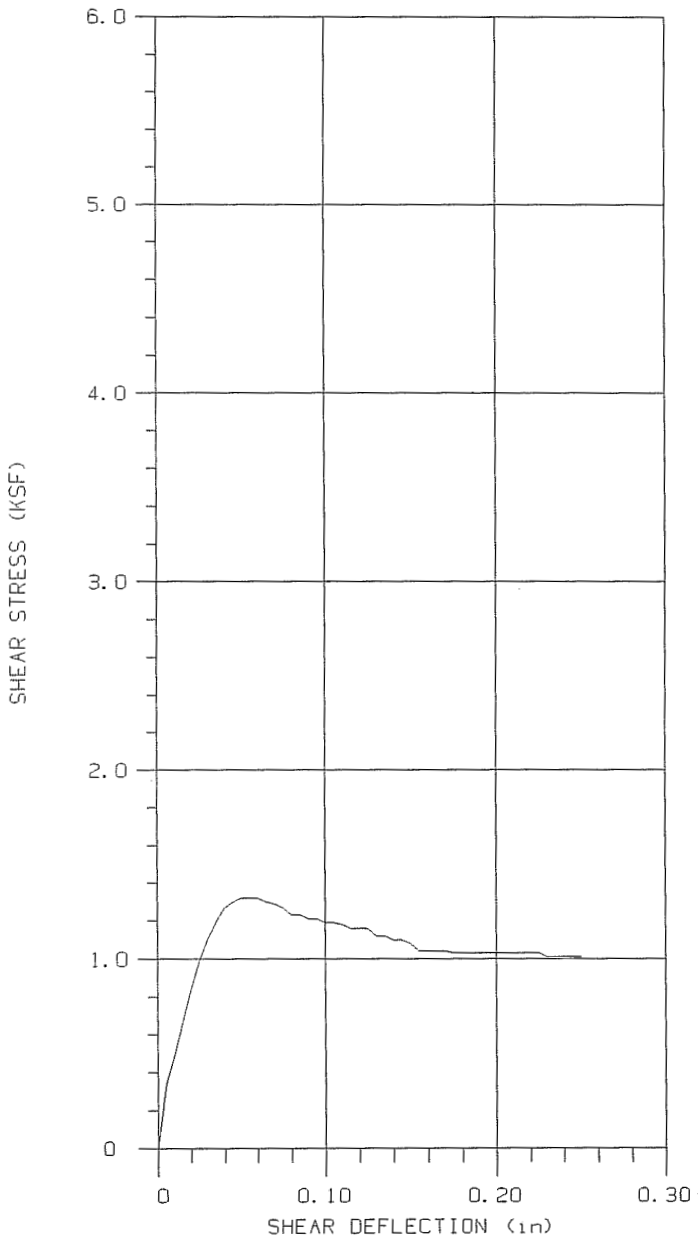
ADVANCED TERRA TESTING

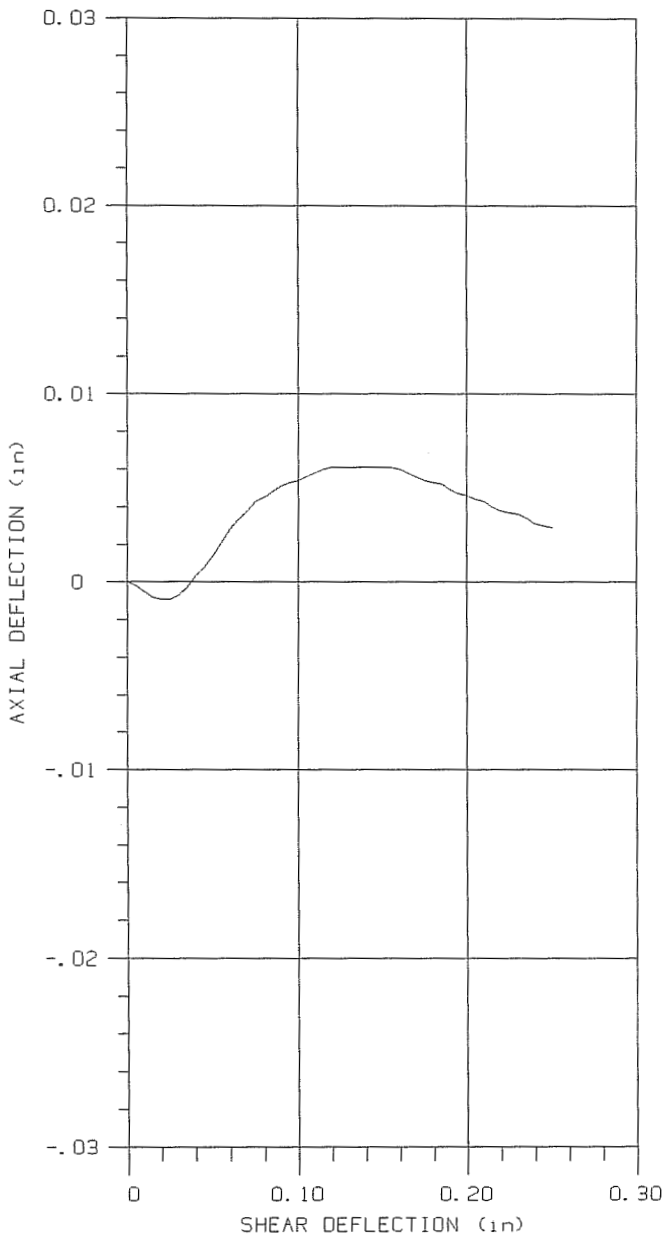
Direct Shear Test

Client..... Tetra Tech
Location..... Rocky Flats OLF

Soil Type..... 114-181750
Depth..... 26.5 (ft)
Confining Pressure.. 1469 (psf)
Shear Rate..... .0068 (in/min)
Date Tested..... 04-23-2008

Job Number..... 2592-04
Sample Number... B Pt. C
Boring..... Tt-5
File Name..... ttdst52c.DAT
Tested By..... DPM





Pass Number and Line Type....	1 ———	2 - - - - - -	3 —— –	4 —— - - -
Maximum Shear Stress.....	1343	.0000	.0000	.0000
Shear Deflection @ Max Stress.	.0513	.0000	.0000	.0000

EOMATIC Direct Shear Data

ile Name.....ttdst52c.DAT
lient.....Tetra Tech
ob Number....2592-04
ocation.....Rocky Flats OLF
ate.....04-23-2008
echnician....DPM
ample Diameter (in).....1.938
onfining Pressure (psf)..1469
umber of Passes.....1
hear Distance (in).....0.25
hear Rate (in/min).....0068
oil Type.....114-181750
oring Number.....Tt-5
ample Number.....B Pt. C
epth (ft).....26.5

SHEAR EFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.005	336	-.0002
0.010	503	-.0005
0.015	671	-.0008
0.020	839	-.0009
0.025	988	-.0009
0.030	1100	-.0007
0.035	1193	-.0003
0.040	1268	0.0003
0.045	1305	0.0008
0.050	1324	0.0014
0.055	1324	0.0021
0.060	1324	0.0028
0.065	1305	0.0033
0.070	1287	0.0038
0.075	1268	0.0043
0.080	1231	0.0045
0.085	1231	0.0048
0.090	1212	0.0051
0.095	1212	0.0053
0.100	1193	0.0054
0.105	1193	0.0056
0.110	1175	0.0058
0.115	1156	0.0060
0.120	1156	0.0061
0.125	1156	0.0061
0.130	1119	0.0061
0.135	1119	0.0061
0.140	1100	0.0061
0.145	1100	0.0061
0.150	1082	0.0061
0.155	1044	0.0061
0.160	1044	0.0060
0.165	1044	0.0058
0.170	1044	0.0056
0.175	1026	0.0054

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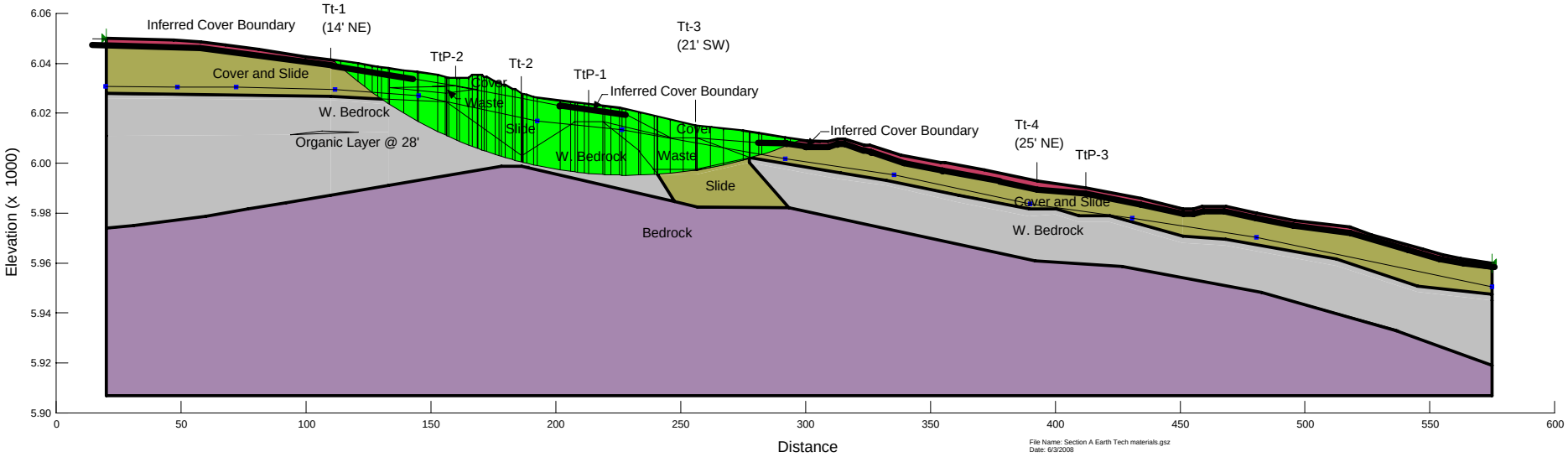
Pass 1 Continued

SHEAR DEFLECTION (in)	SHEAR STRESS (lb/sqFT)	AXIAL DEFLECTION (in)
0.180	1026	0.0053
0.185	1026	0.0052
0.190	1026	0.0049
0.195	1026	0.0047
0.200	1026	0.0046
0.205	1026	0.0044
0.210	1026	0.0043
0.215	1026	0.0040
0.220	1026	0.0038
0.225	1026	0.0037
0.230	1007	0.0036
0.235	1007	0.0034
0.240	1007	0.0031
0.245	1007	0.0030
0.250	1007	0.0029

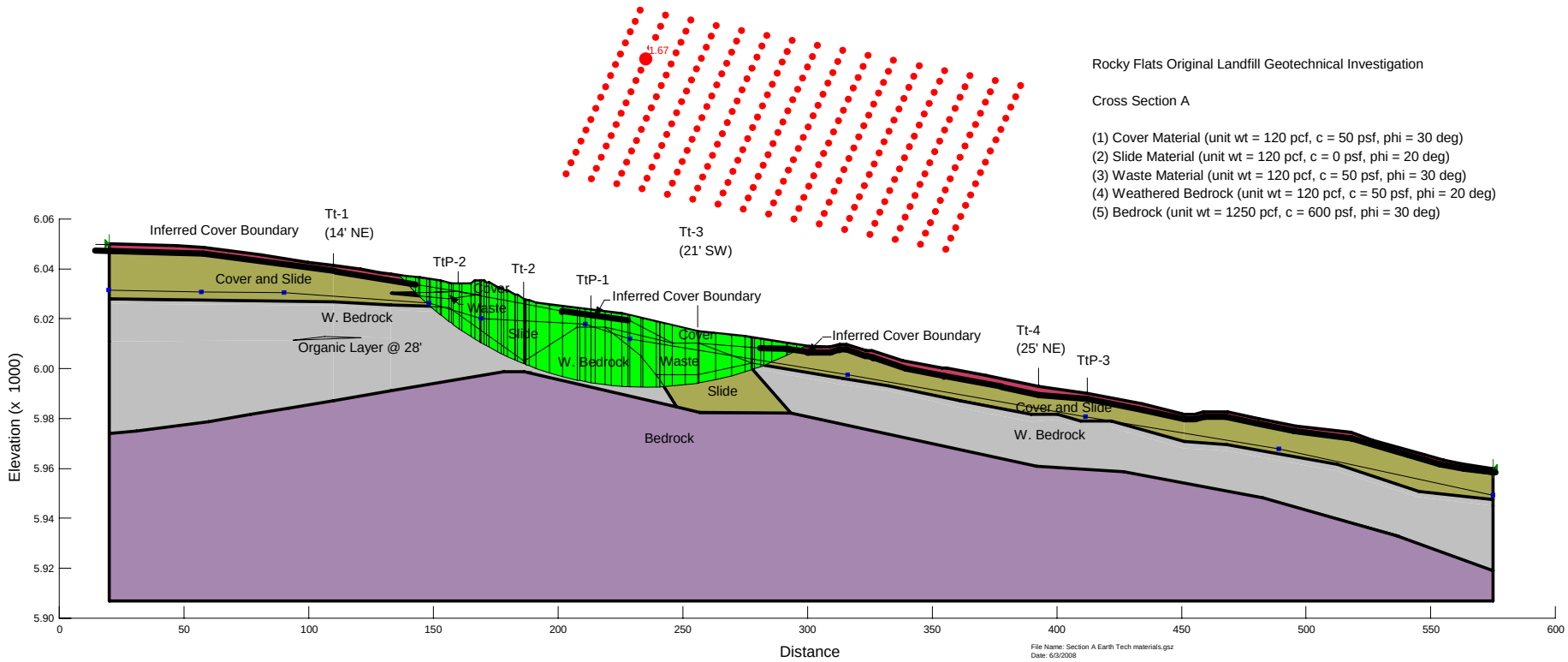
Pass 1 completed with max load = 1343 psf at deflection of .0513 in



Project No: 181750

May 2008

Section A
Slope Stability Upper Section
Earth Tech Material Properties
Figure E-1



Project No: 181750

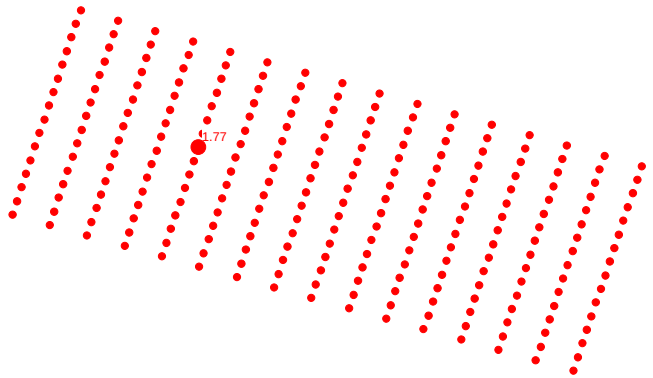
May 2008

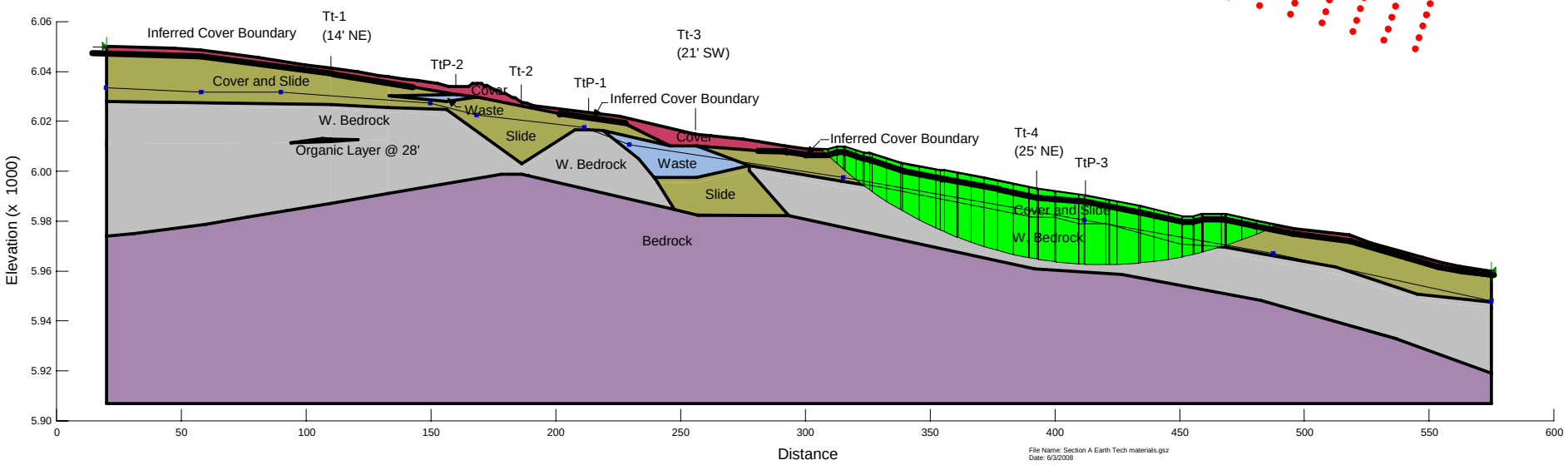
Section A
Slope Stability Middle Section
Earth Tech Material Properties
Figure E-2

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section A

(1) Cover Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(2) Slide Material (unit wt = 120 pcf, c = 0 psf, phi = 20 deg)
(3) Waste Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(4) Weathered Bedrock (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(5) Bedrock (unit wt = 1250 pcf, c = 600 psf, phi = 30 deg)

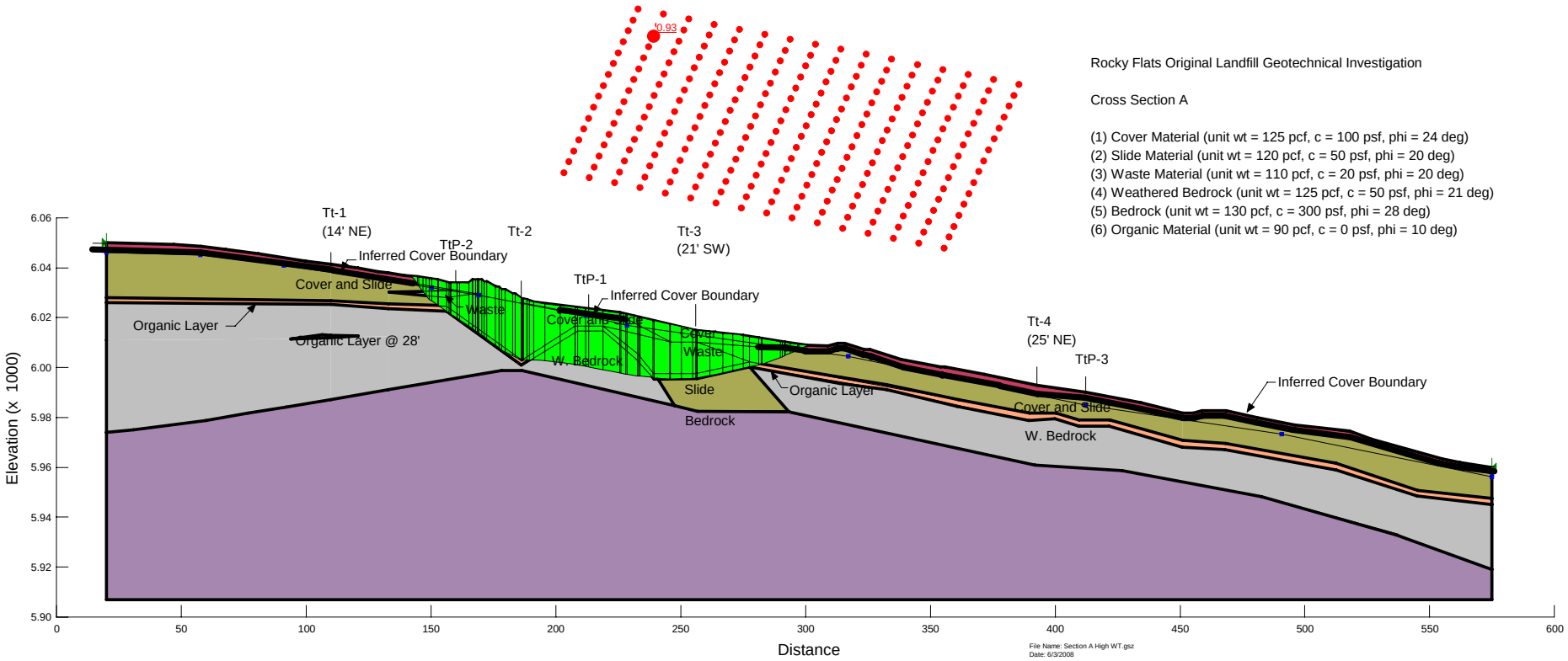




Project No: 181750

May 2008

Section A
Slope Stability Lower Section
Earth Tech Material Properties
Figure E-3



Project No: 181750

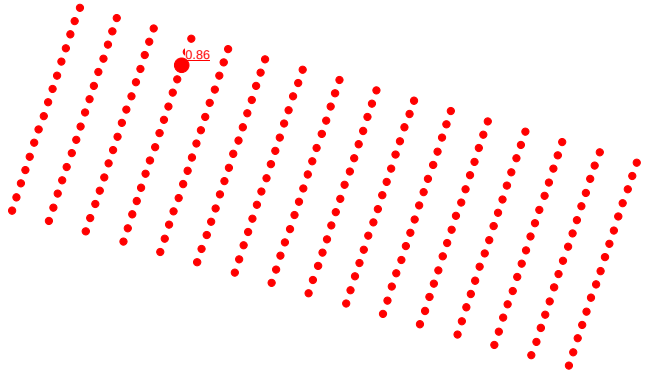
May 2008

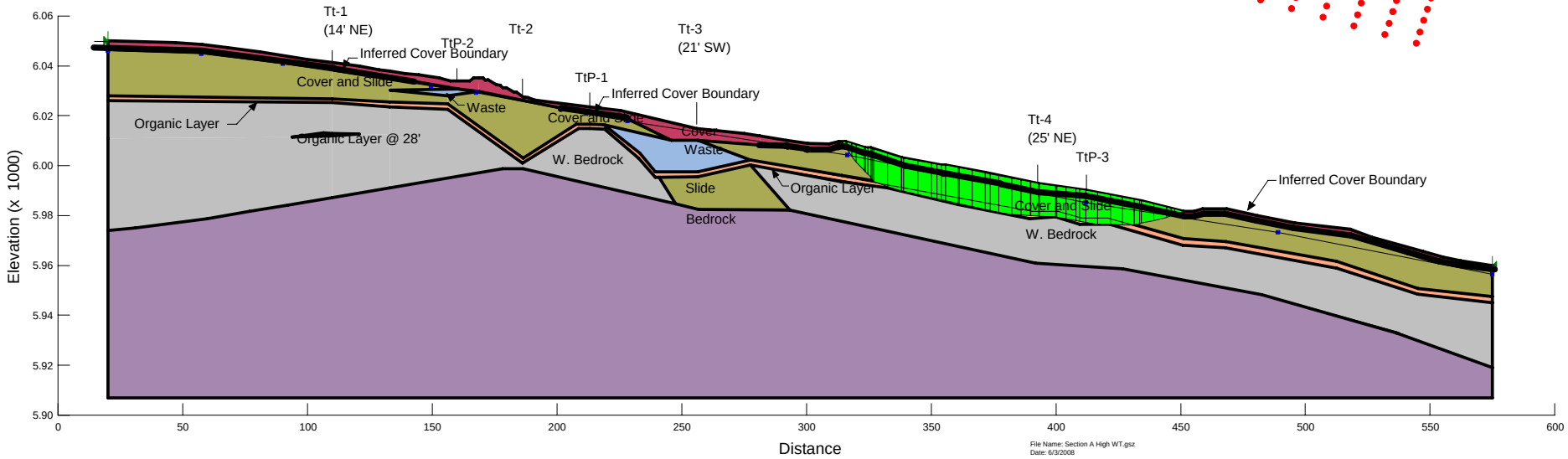
Section A
Slope Stability Upper Section
TetraTech Material Properties – High Water Table
Figure E-4

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section A

(1) Cover Material (unit wt = 125 pcf, c = 100 psf, phi = 24 deg)
(2) Slide Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(3) Waste Material (unit wt = 110 pcf, c = 20 psf, phi = 20 deg)
(4) Weathered Bedrock (unit wt = 125 pcf, c = 50 psf, phi = 21 deg)
(5) Bedrock (unit wt = 130 pcf, c = 300 psf, phi = 28 deg)
(6) Organic Material (unit wt = 90 pcf, c = 0 psf, phi = 10 deg)

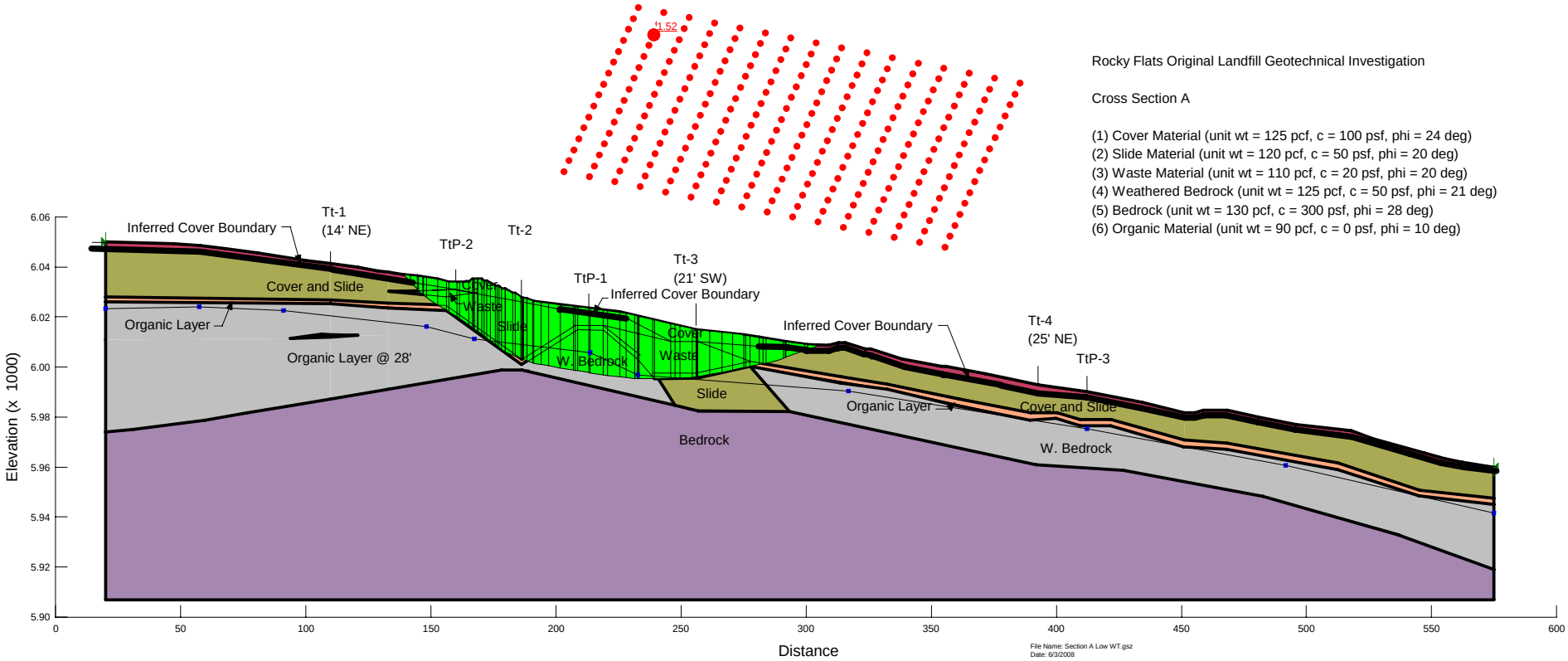




Project No: 181750

May 2008

Section A
Slope Stability Lower Section
TetraTech Material Properties – High Water Table
Figure E-5



Project No: 181750

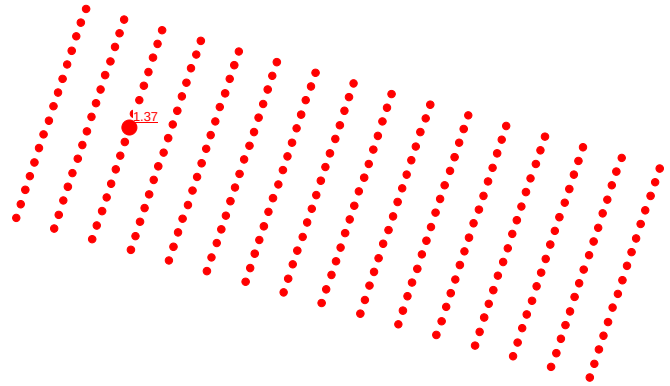
May 2008

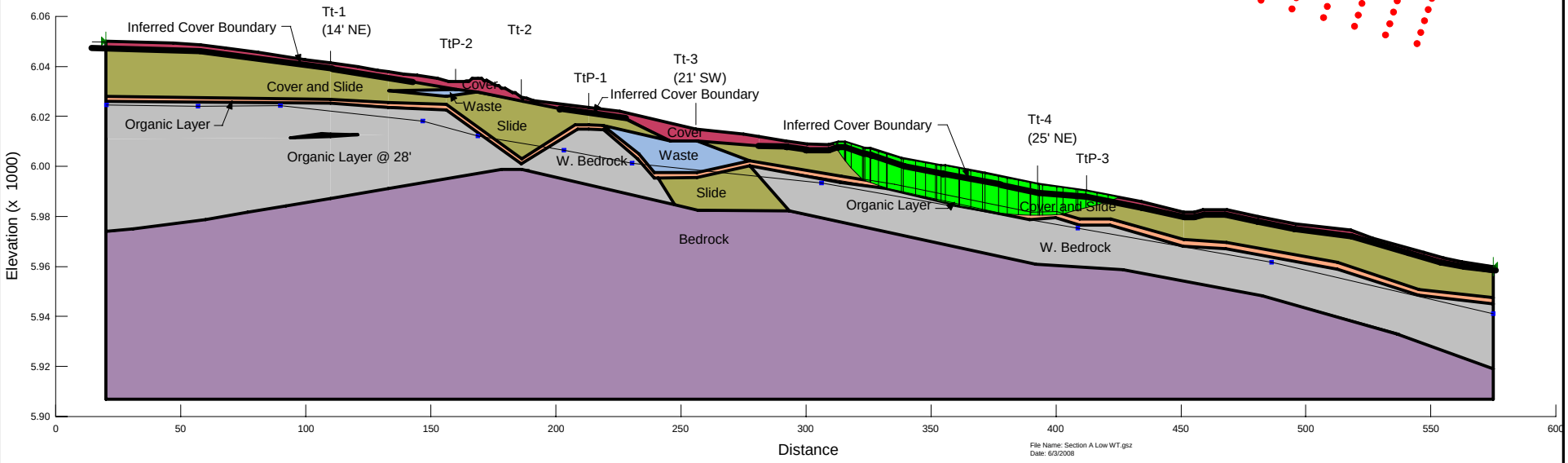
Section A
Slope Stability Upper Section
TetraTech Material Properties – Low Water Table
Figure E-6

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section A

(1) Cover Material (unit wt = 125 pcf, c = 100 psf, phi = 24 deg)
(2) Slide Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(3) Waste Material (unit wt = 110 pcf, c = 20 psf, phi = 20 deg)
(4) Weathered Bedrock (unit wt = 125 pcf, c = 50 psf, phi = 21 deg)
(5) Bedrock (unit wt = 130 pcf, c = 300 psf, phi = 28 deg)
(6) Organic Material (unit wt = 90 pcf, c = 0 psf, phi = 10 deg)

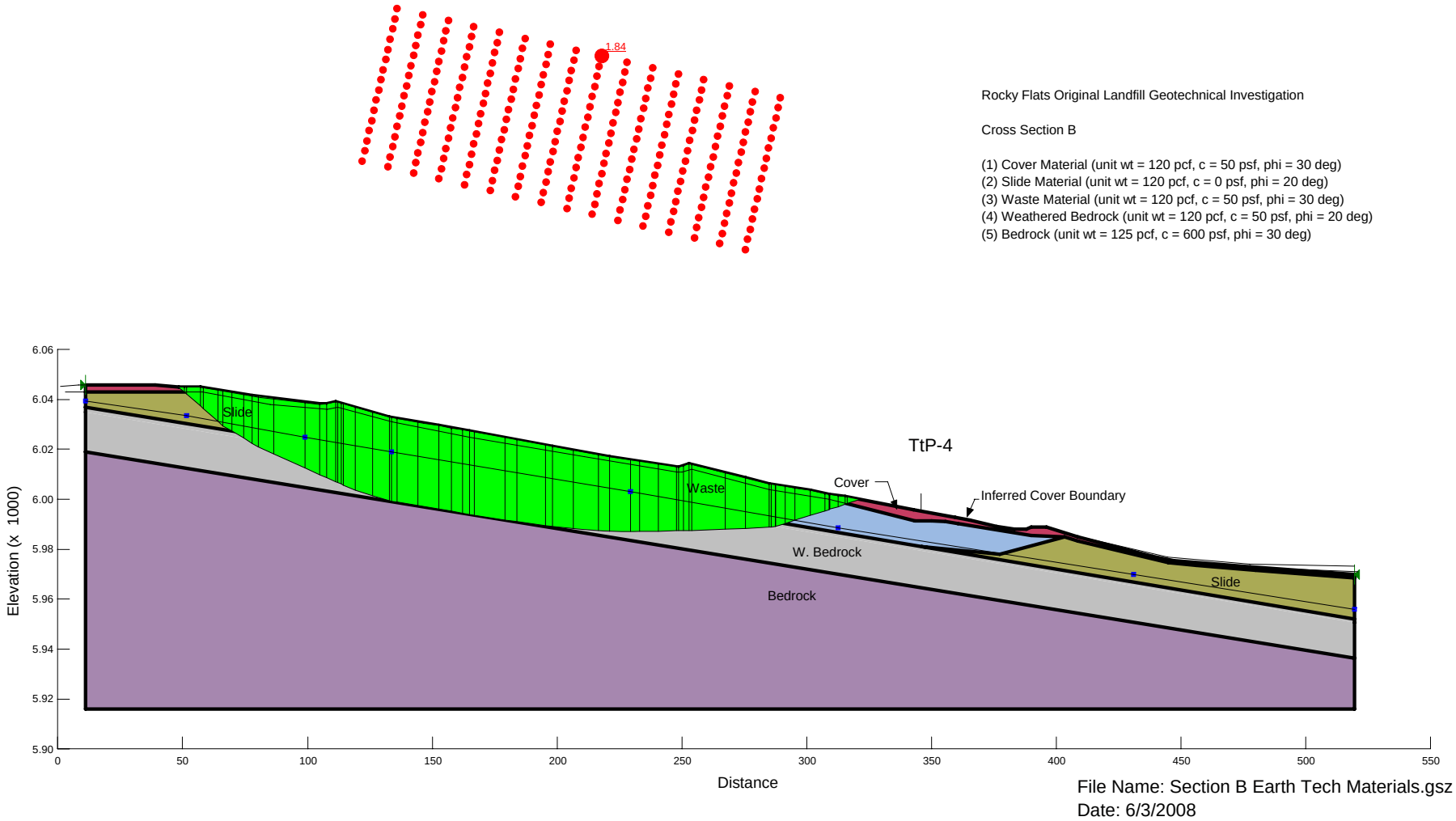




Project No: 181750

May 2008

Section A
Slope Stability Lower Section
TetraTech Material Properties – Low Water Table
Figure E-7



Project No: 181750

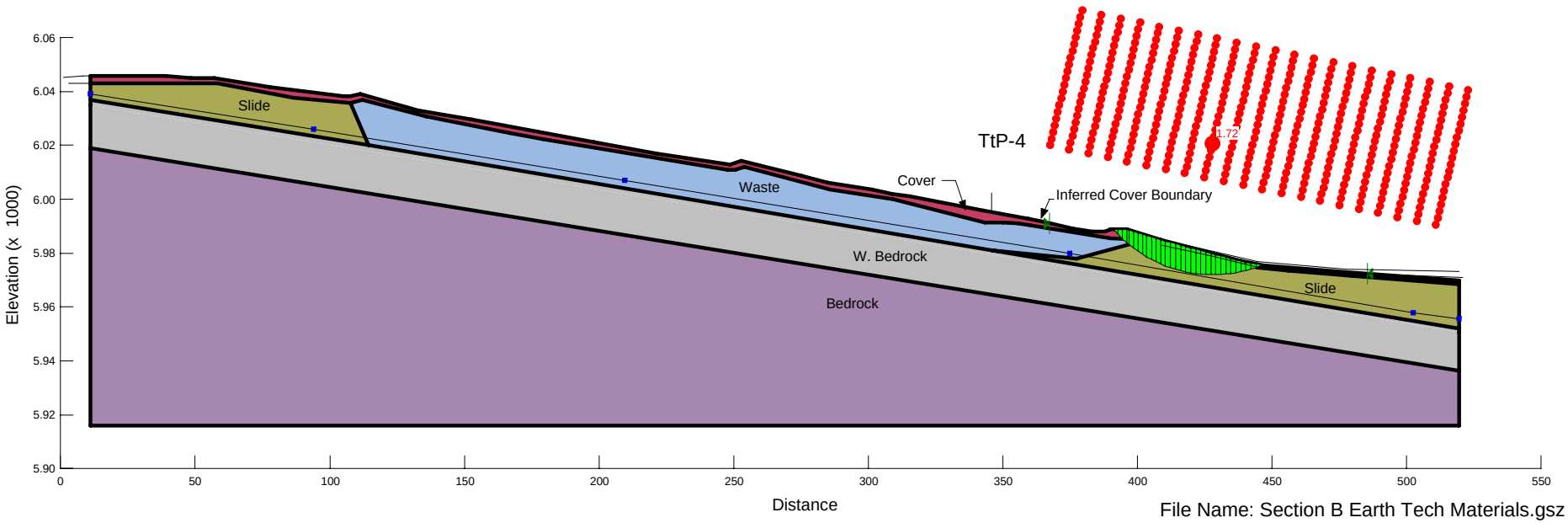
May 2008

Section B
Slope Stability Upper Section
Earth Tech Material Properties
Figure E-8

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section B

(1) Cover Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(2) Slide Material (unit wt = 120 pcf, c = 0 psf, phi = 20 deg)
(3) Waste Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(4) Weathered Bedrock (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(5) Bedrock (unit wt = 125 pcf, c = 600 psf, phi = 30 deg)

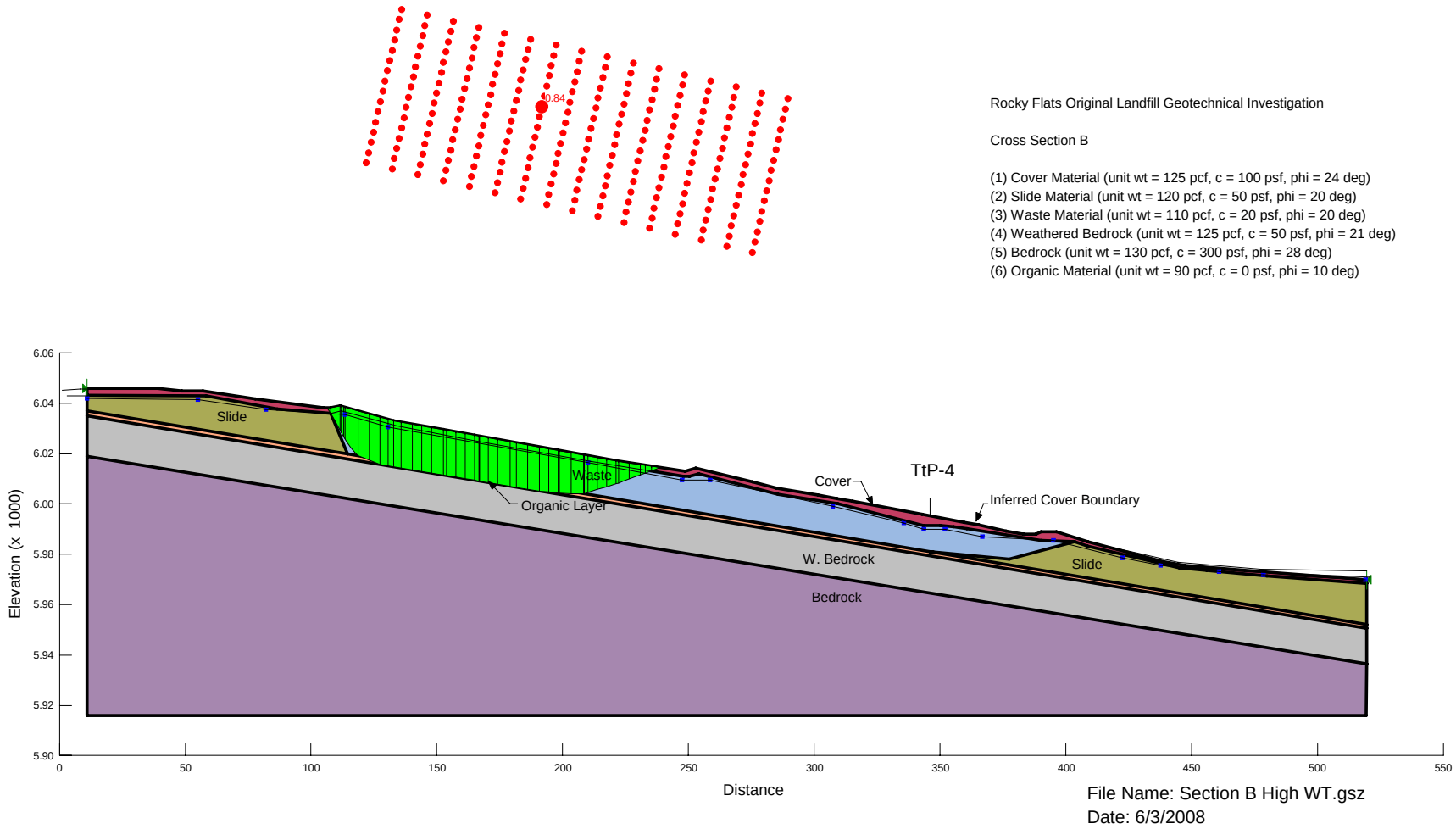


File Name: Section B Earth Tech Materials.gsz
Date: 6/3/2008

Project No: 181750

May 2008

Section B
Slope Stability Lower Section
Earth Tech Material Properties
Figure E-9



Project No: 181750

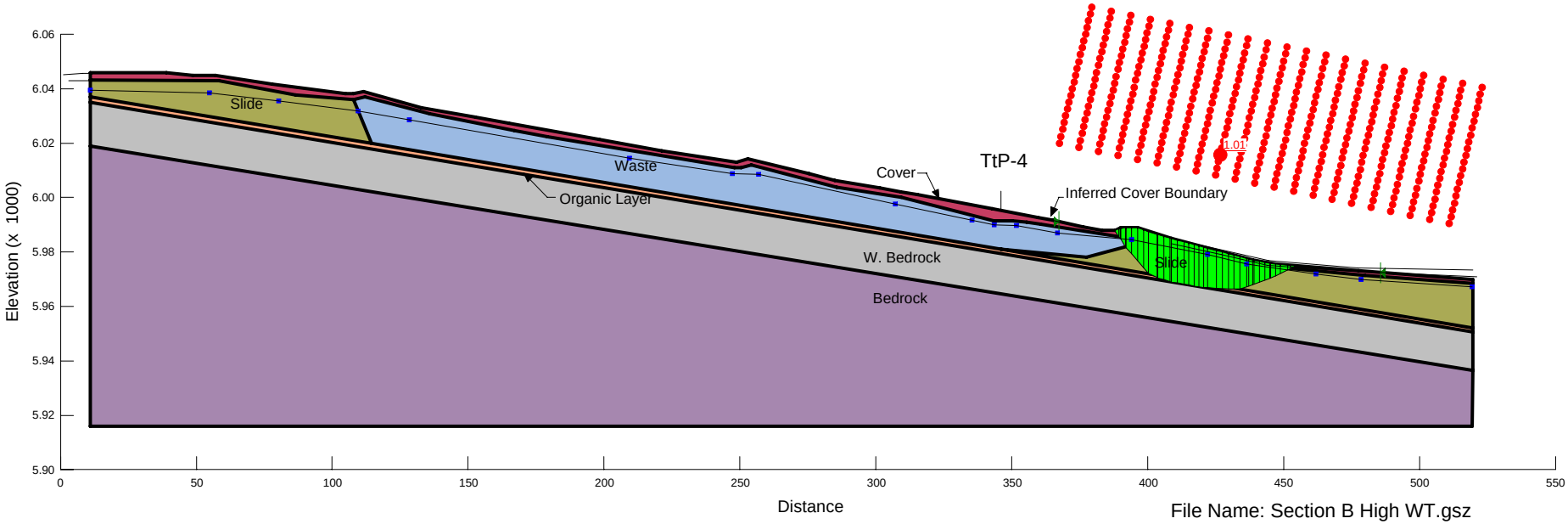
May 2008

Section B
Slope Stability Upper Section
TetraTech Material Properties – High Water Table
Figure E-10

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section B

(1) Cover Material (unit wt = 125 pcf, c = 100 psf, phi = 24 deg)
(2) Slide Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(3) Waste Material (unit wt = 110 pcf, c = 20 psf, phi = 20 deg)
(4) Weathered Bedrock (unit wt = 125 pcf, c = 50 psf, phi = 21 deg)
(5) Bedrock (unit wt = 130 pcf, c = 300 psf, phi = 28 deg)
(6) Organic Material (unit wt = 90 pcf, c = 0 psf, phi = 10 deg)

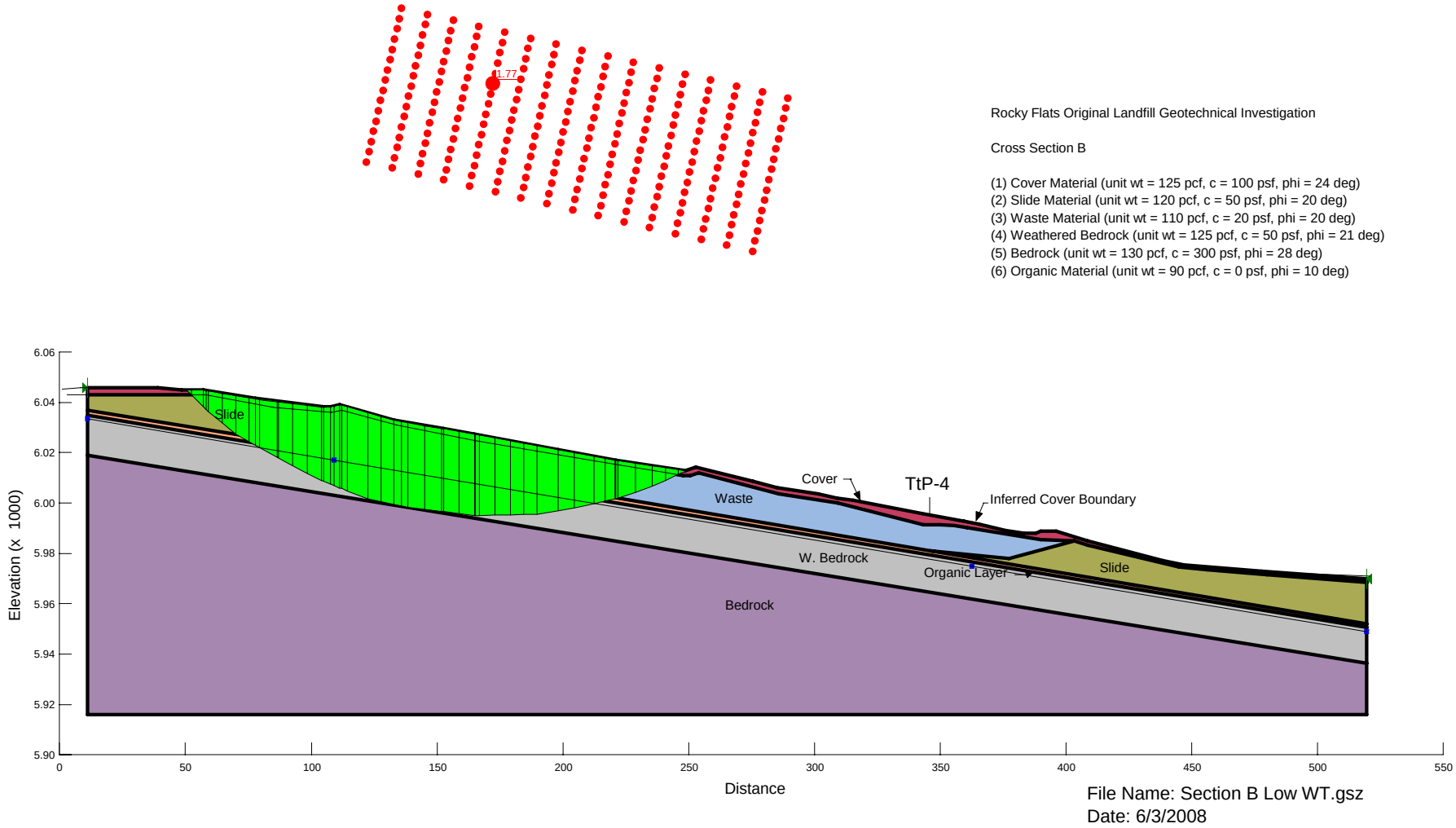


File Name: Section B High WT.gsz
Date: 6/3/2008

Project No: 181750

May 2008

Section B
Slope Stability Lower Section
TetraTech Material Properties – High Water Table
Figure E-11



Project No: 181750

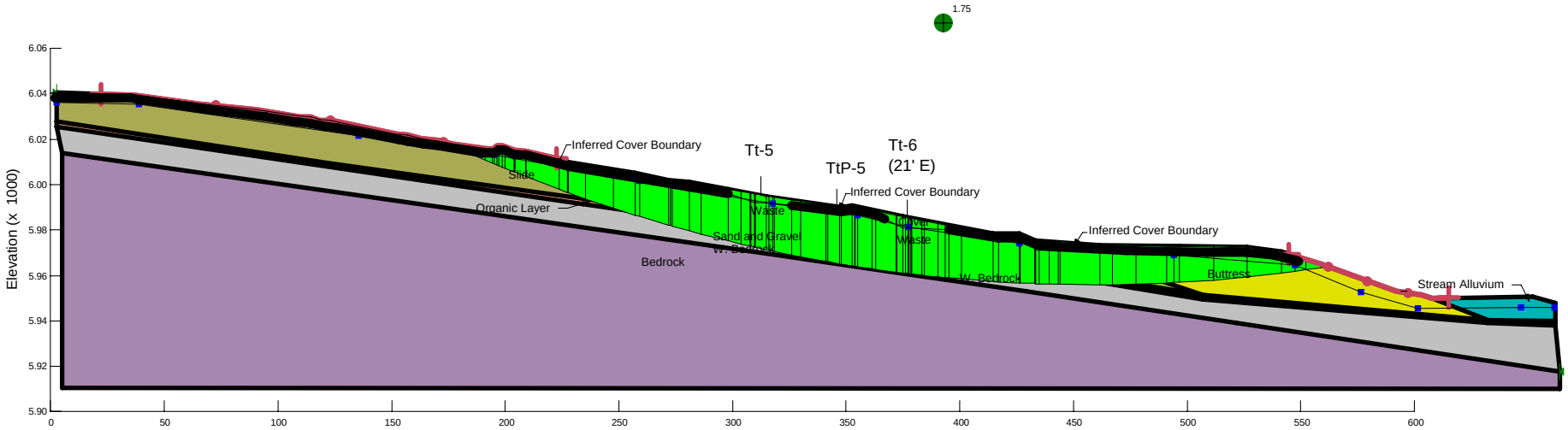
May 2008

Section B
Slope Stability Upper Section
TetraTech Material Properties – Low Water Table
Figure E-12

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section C

(1) Cover Material (unit wt = 125 pcf, c = 100 psf, phi = 24 deg)
(2) Slide Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(3) Waste Material (unit wt = 110 pcf, c = 20 psf, phi = 20 deg)
(4) Weathered Bedrock (unit wt = 125 pcf, c = 50 psf, phi = 21 deg)
(5) Bedrock (unit wt = 130 pcf, c = 300 psf, phi = 28 deg)
(6) Organic Material (unit wt = 90 pcf, c = 0 psf, phi = 10 deg)
(7) Buttress Material (unit wt = 130 pcf, c = 50 psf, phi = 33 deg)
(8) Stream Alluvium (unit wt = 125 pcf, c = 0 psf, phi = 33 deg)



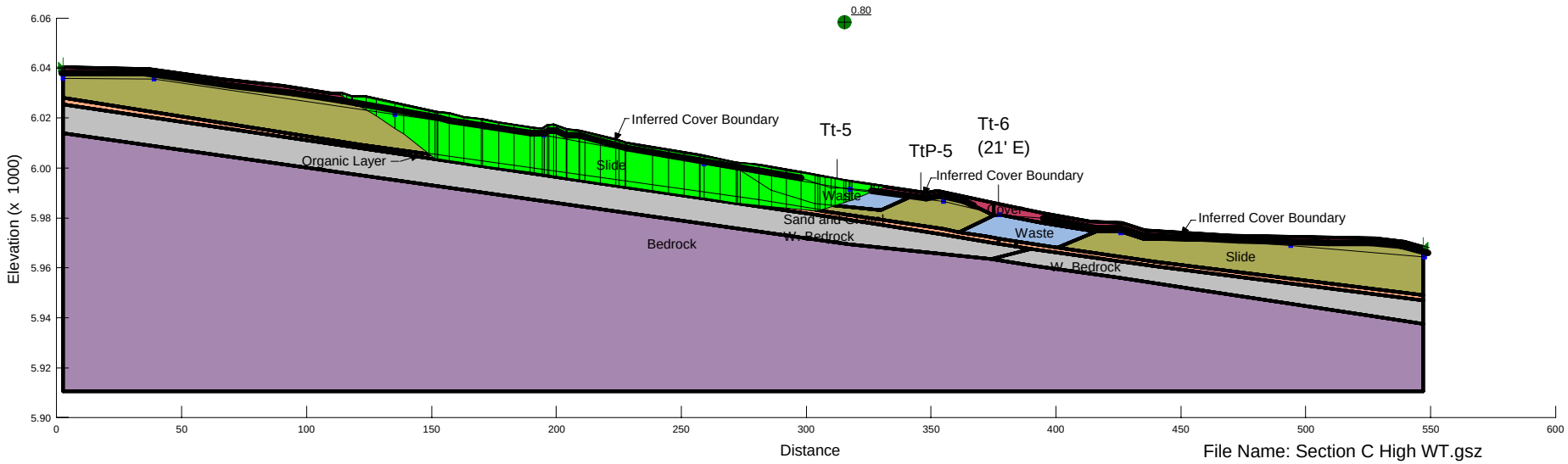
File Name: Section C Global.gsz
Date: 6/3/2008

Section C
Slope Stability Full Section
Earth Tech Material Properties
Figure E-13

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section C

(1) Cover Material (unit wt = 125 pcf, c = 100 psf, phi = 24 deg)
(2) Slide Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(3) Waste Material (unit wt = 110 pcf, c = 20 psf, phi = 20 deg)
(4) Weathered Bedrock (unit wt = 125 pcf, c = 50 psf, phi = 21 deg)
(5) Bedrock (unit wt = 130 pcf, c = 300 psf, phi = 28 deg)
(6) Organic Material (unit wt = 90 pcf, c = 0 psf, phi = 10 deg)



File Name: Section C High WT.gsz
Date: 6/3/2008

Project No: 181750

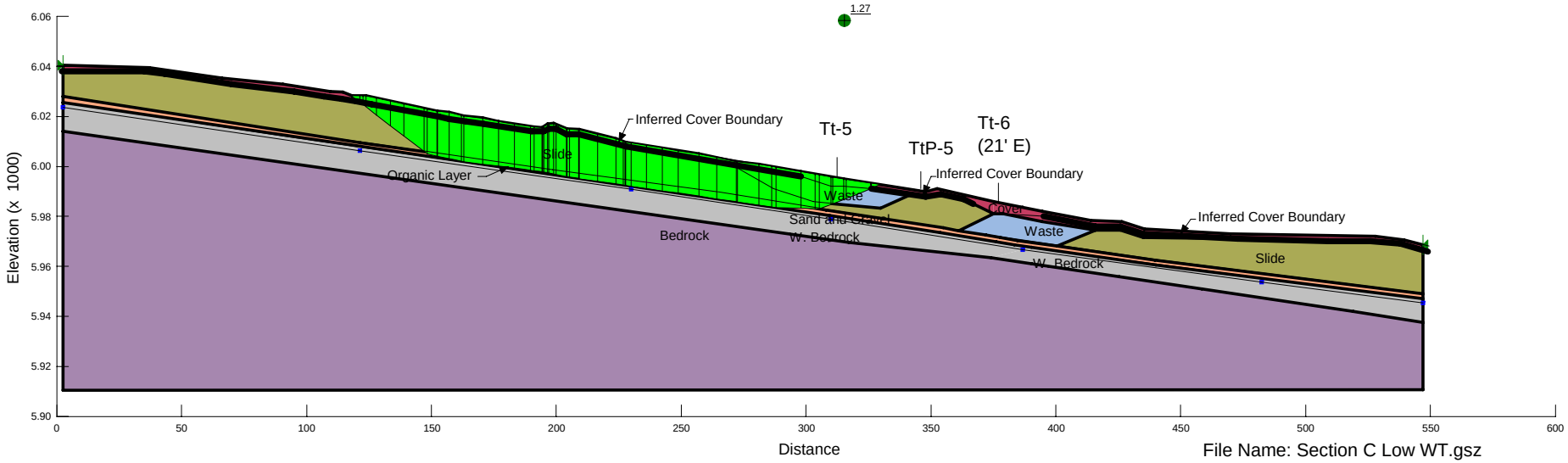
May 2008

Section C
Slope Stability Upper Section
TetraTech Material Properties – High Water Table
Figure E-14

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section C

(1) Cover Material (unit wt = 125 pcf, c = 100 psf, phi = 24 deg)
(2) Slide Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(3) Waste Material (unit wt = 110 pcf, c = 20 psf, phi = 20 deg)
(4) Weathered Bedrock (unit wt = 125 pcf, c = 50 psf, phi = 21 deg)
(5) Bedrock (unit wt = 130 pcf, c = 300 psf, phi = 28 deg)
(6) Organic Material (unit wt = 90 pcf, c = 0 psf, phi = 10 deg)



File Name: Section C Low WT.gsz
Date: 6/3/2008

Project No: 181750

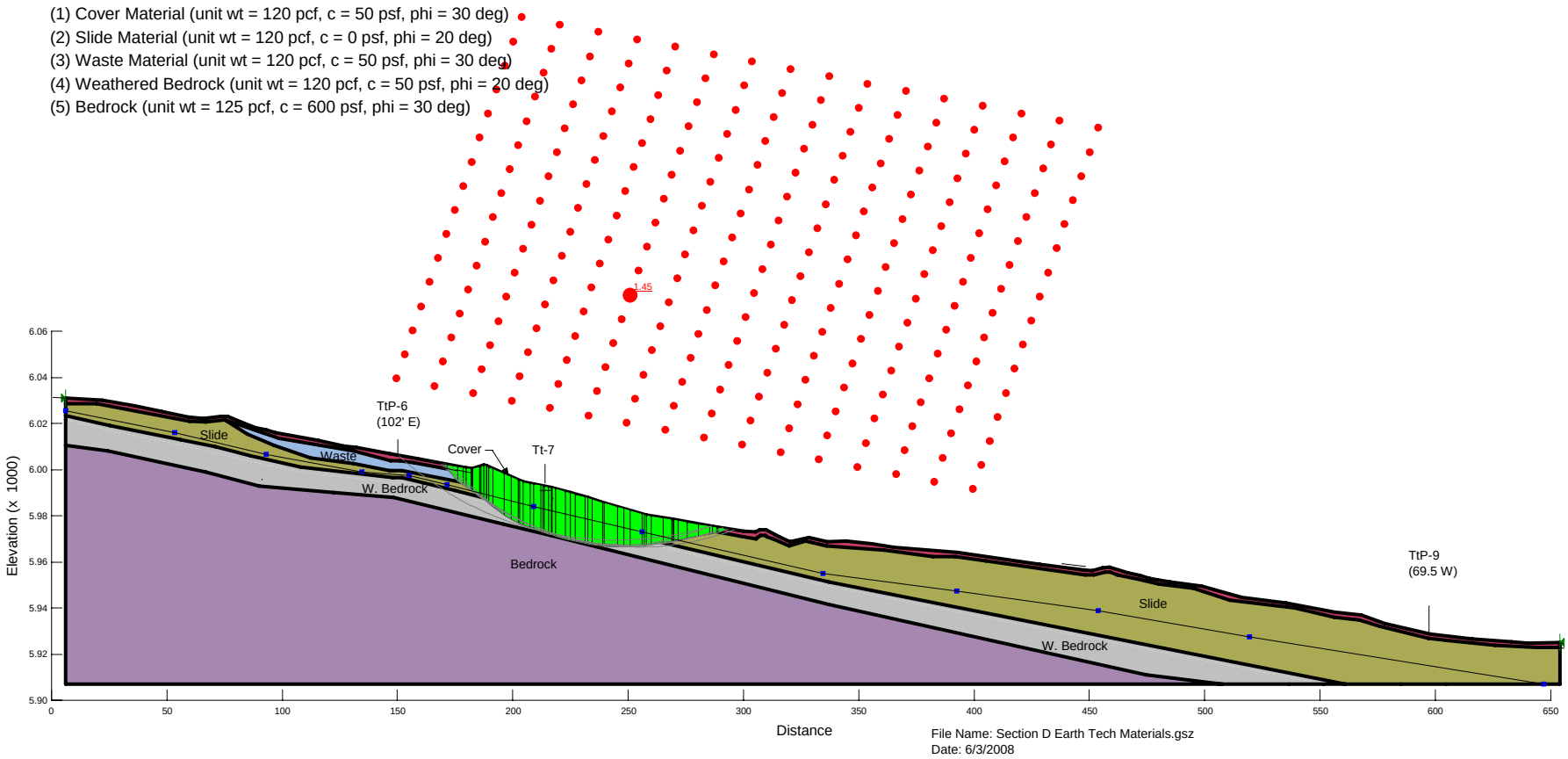
May 2008

Section C
Slope Stability Upper Section
TetraTech Material Properties – Low Water Table
Figure E-15

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section D

(1) Cover Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(2) Slide Material (unit wt = 120 pcf, c = 0 psf, phi = 20 deg)
(3) Waste Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(4) Weathered Bedrock (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(5) Bedrock (unit wt = 125 pcf, c = 600 psf, phi = 30 deg)



Project No: 181750

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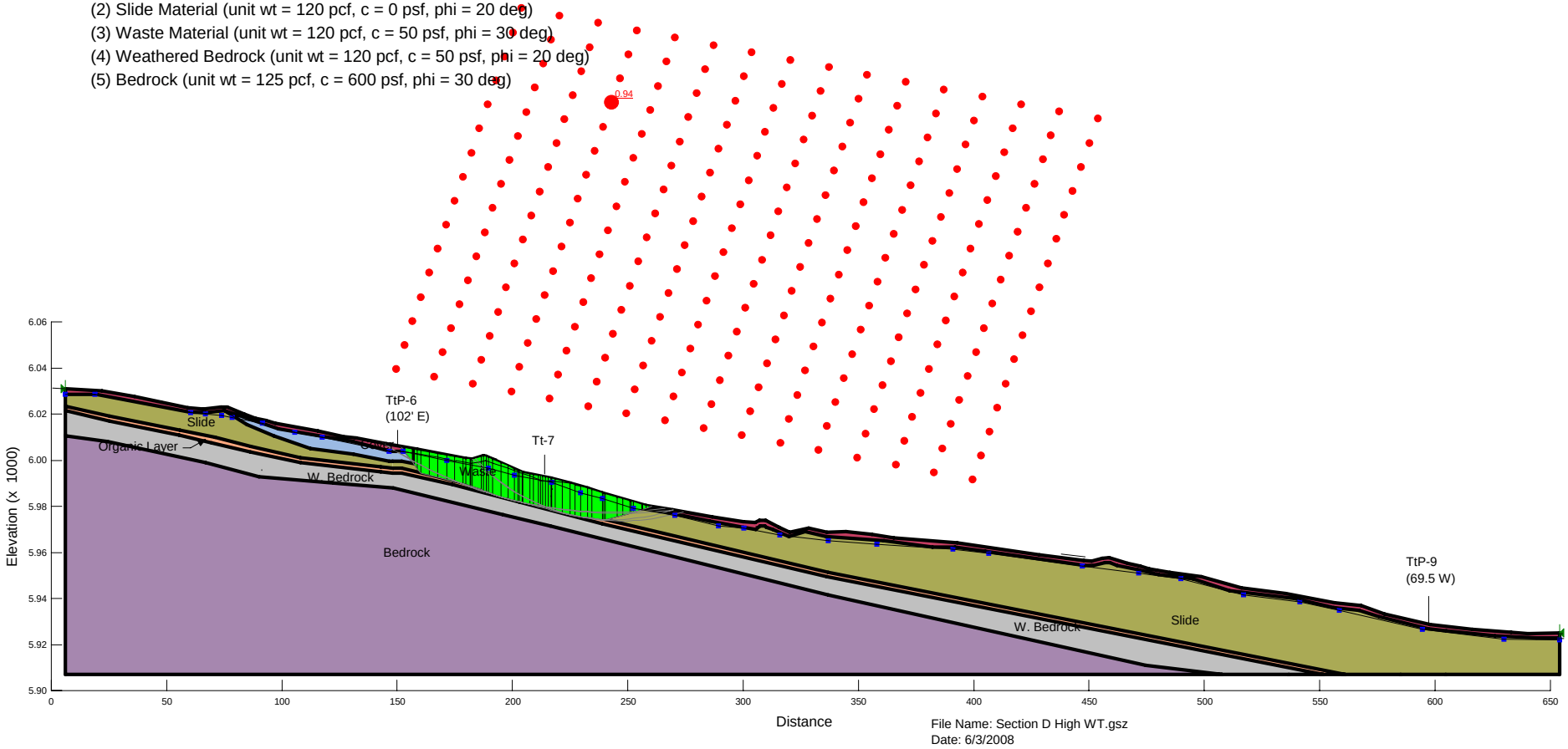
Section D
Slope Stability Upper Section
Earth Tech Material Properties
Figure E-16

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section D

(1) Cover Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(2) Slide Material (unit wt = 120 pcf, c = 0 psf, phi = 20 deg)
(3) Waste Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(4) Weathered Bedrock (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(5) Bedrock (unit wt = 125 pcf, c = 600 psf, phi = 30 deg)



Project No: 181750

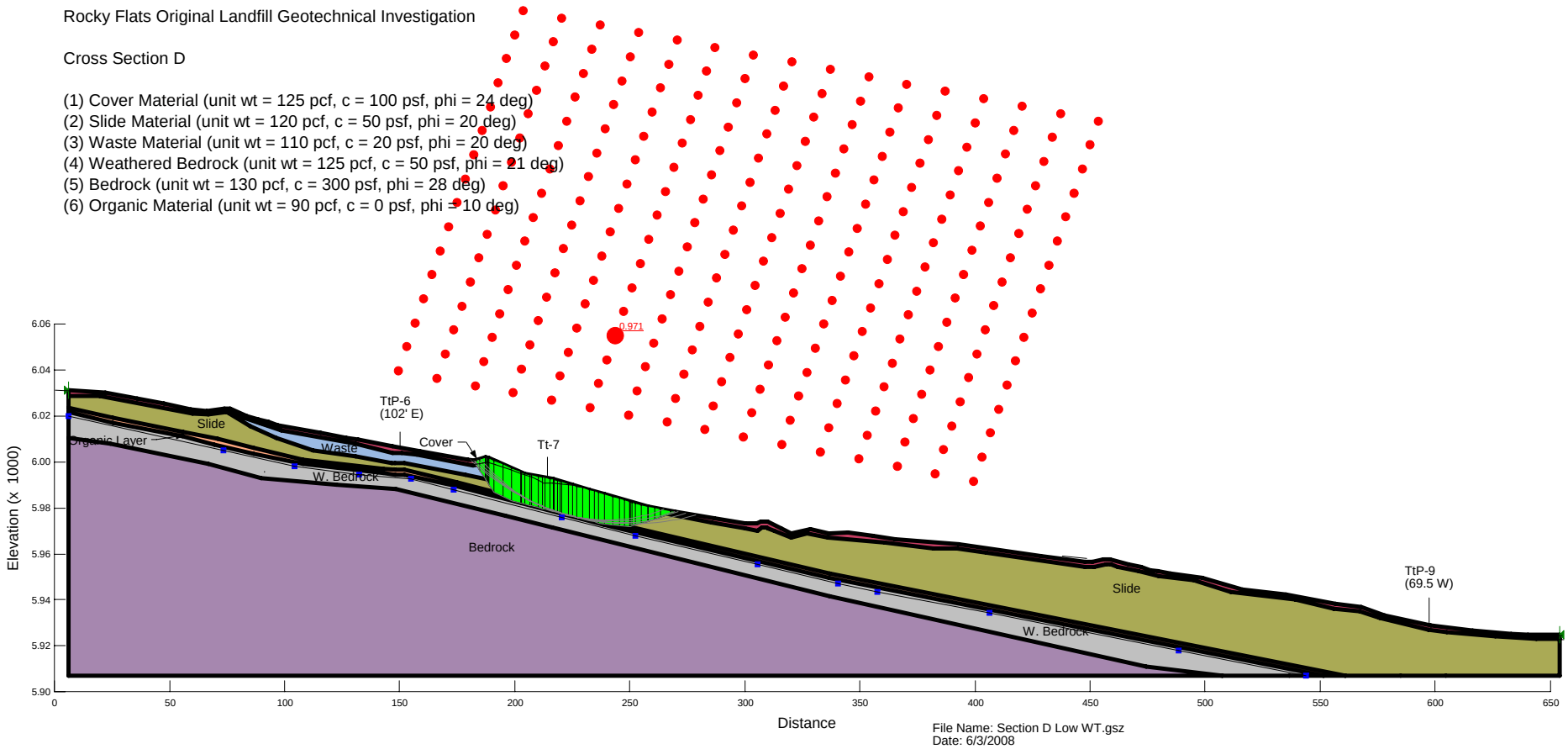
May 2008

Section D
Slope Stability Upper Section
TetraTech Material Properties – High Water Table
Figure E-17

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section D

(1) Cover Material (unit wt = 125 pcf, c = 100 psf, phi = 24 deg)
(2) Slide Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(3) Waste Material (unit wt = 110 pcf, c = 20 psf, phi = 20 deg)
(4) Weathered Bedrock (unit wt = 125 pcf, c = 50 psf, phi = 21 deg)
(5) Bedrock (unit wt = 130 pcf, c = 300 psf, phi = 28 deg)
(6) Organic Material (unit wt = 90 pcf, c = 0 psf, phi = 10 deg)



Project No: 181750

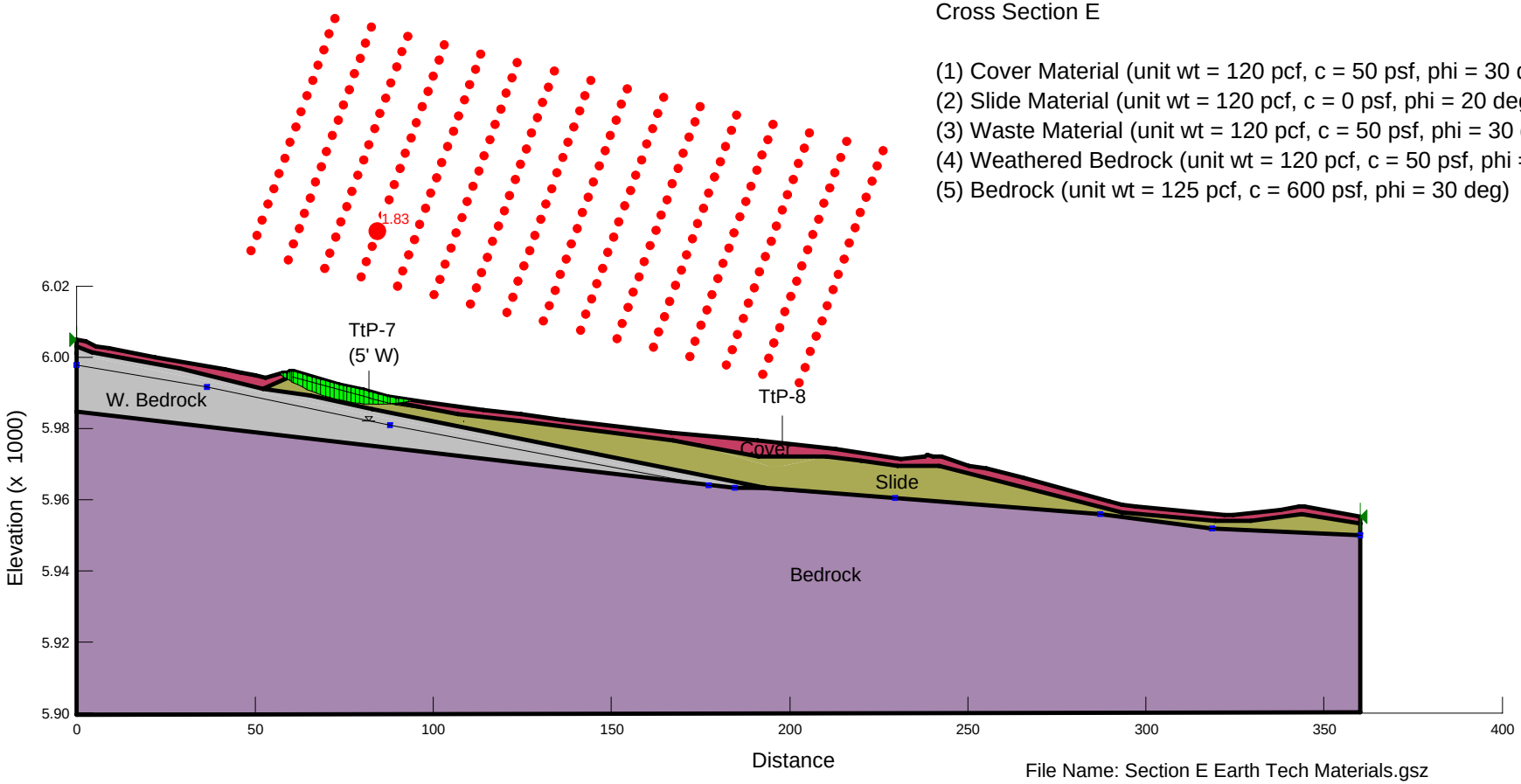
May 2008

Section D
Slope Stability Upper Section
TetraTech Material Properties – Low Water Table
Figure E-18

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section E

(1) Cover Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(2) Slide Material (unit wt = 120 pcf, c = 0 psf, phi = 20 deg)
(3) Waste Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(4) Weathered Bedrock (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(5) Bedrock (unit wt = 125 pcf, c = 600 psf, phi = 30 deg)



File Name: Section E Earth Tech Materials.gsz
Date: 6/3/2008

Project No: 181750

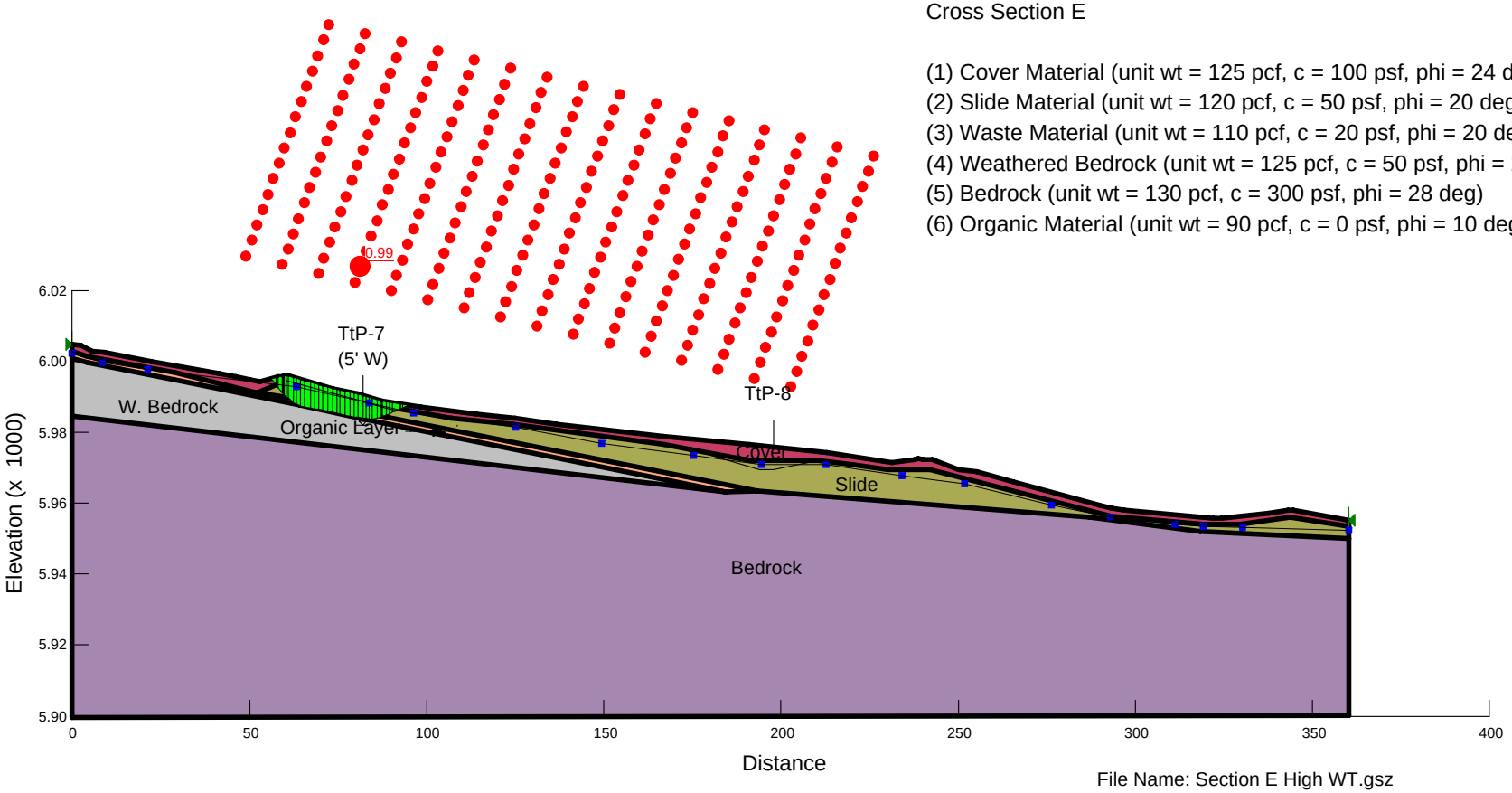
May 2008

Section E
Slope Stability Upper Section
Earth Tech Material Properties
Figure E-19

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section E

(1) Cover Material (unit wt = 125 pcf, c = 100 psf, phi = 24 deg)
(2) Slide Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(3) Waste Material (unit wt = 110 pcf, c = 20 psf, phi = 20 deg)
(4) Weathered Bedrock (unit wt = 125 pcf, c = 50 psf, phi = 21 deg)
(5) Bedrock (unit wt = 130 pcf, c = 300 psf, phi = 28 deg)
(6) Organic Material (unit wt = 90 pcf, c = 0 psf, phi = 10 deg)



File Name: Section E High WT.gsz
Date: 6/3/2008

Project No: 181750

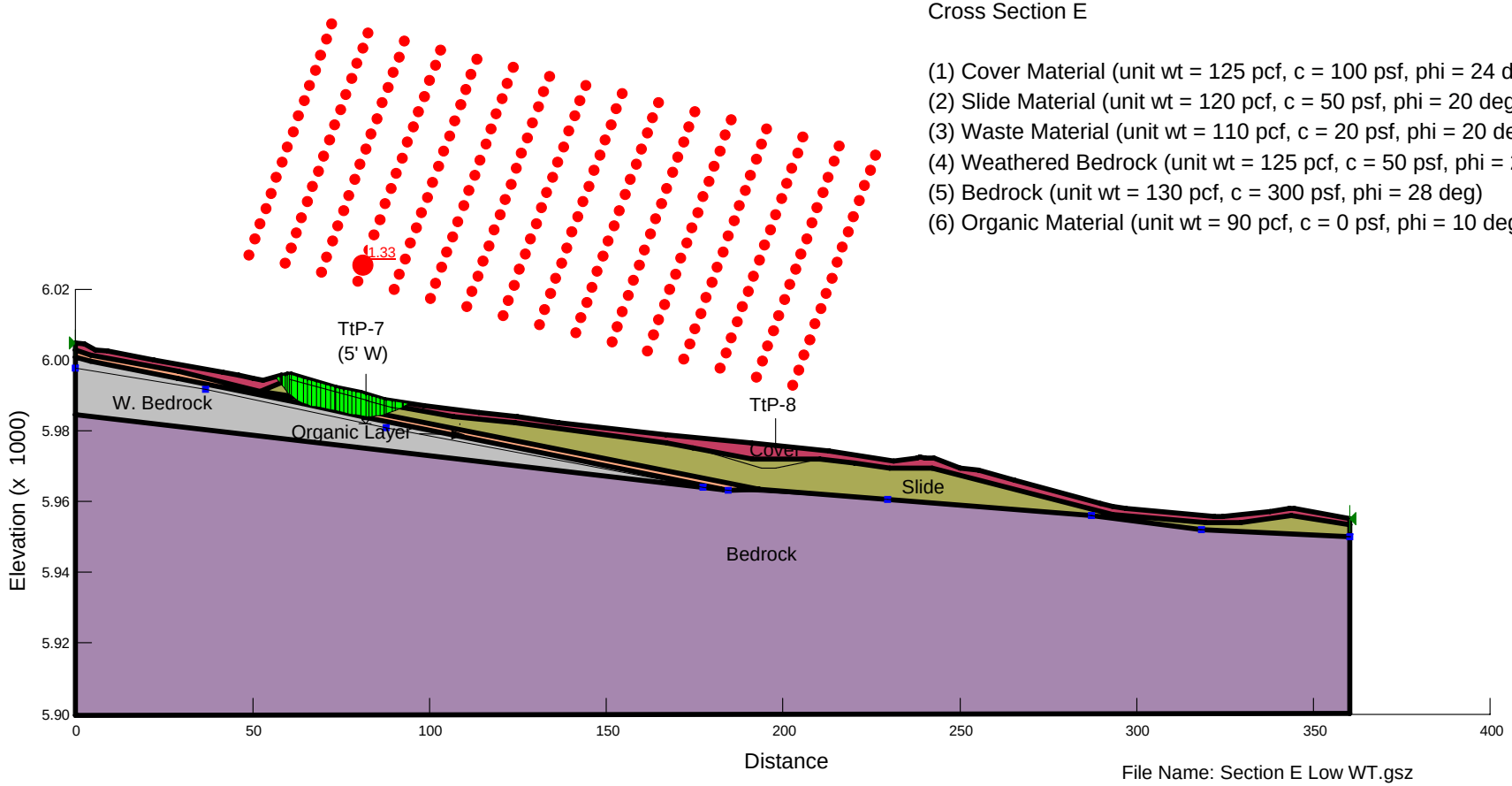
May 2008

Section E
Slope Stability Upper Section
TetraTech Material Properties – High Water Table
Figure E-20

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section E

(1) Cover Material (unit wt = 125 pcf, c = 100 psf, phi = 24 deg)
(2) Slide Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(3) Waste Material (unit wt = 110 pcf, c = 20 psf, phi = 20 deg)
(4) Weathered Bedrock (unit wt = 125 pcf, c = 50 psf, phi = 21 deg)
(5) Bedrock (unit wt = 130 pcf, c = 300 psf, phi = 28 deg)
(6) Organic Material (unit wt = 90 pcf, c = 0 psf, phi = 10 deg)



File Name: Section E Low WT.gsz
Date: 6/3/2008

Project No: 181750

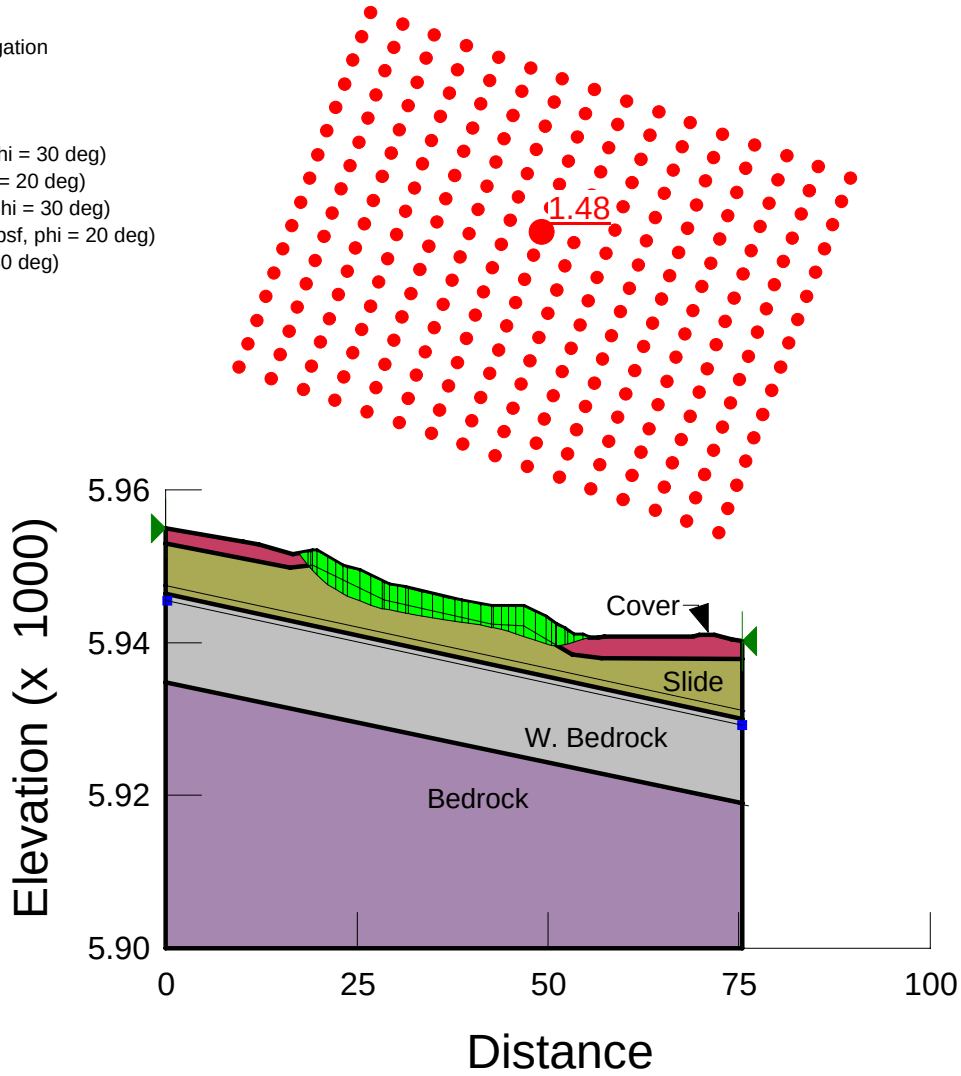
May 2008

Section E
Slope Stability Upper Section
TetraTech Material Properties – Low Water Table
Figure E-21

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section F

(1) Cover Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(2) Slide Material (unit wt = 120 pcf, c = 0 psf, phi = 20 deg)
(3) Waste Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(4) Weathered Bedrock (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(5) Bedrock (unit wt = 125 pcf, c = 600 psf, phi = 30 deg)



File Name: Section F Earth Tech Materials.gsz
Date: 6/3/2008

Project No: 181750

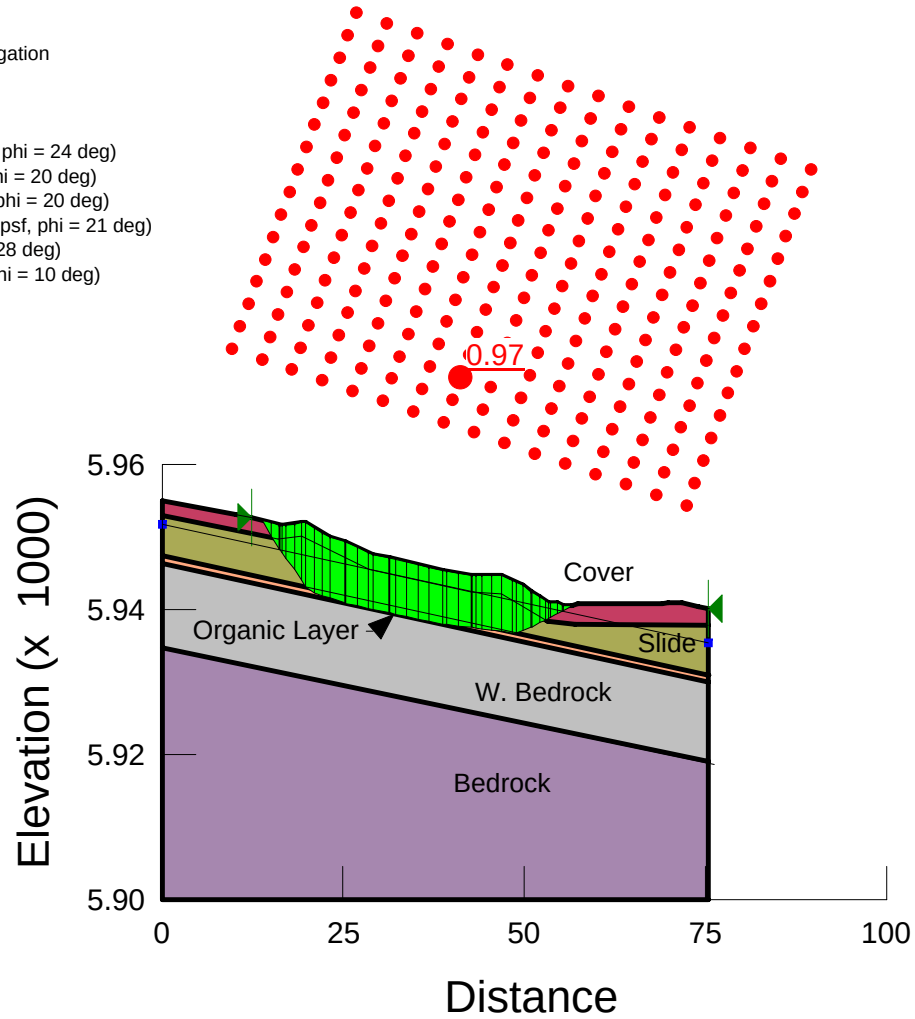
May 2008

Section F
Slope Stability
Earth Tech Material Properties
Figure E-22

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section F

(1) Cover Material (unit wt = 125 pcf, c = 100 psf, phi = 24 deg)
(2) Slide Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(3) Waste Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(4) Weathered Bedrock (unit wt = 125 pcf, c = 50 psf, phi = 21 deg)
(5) Bedrock (unit wt = 130 pcf, c = 300 psf, phi = 28 deg)
(6) Organic Material (unit wt = 90 pcf, c = 0 psf, phi = 10 deg)



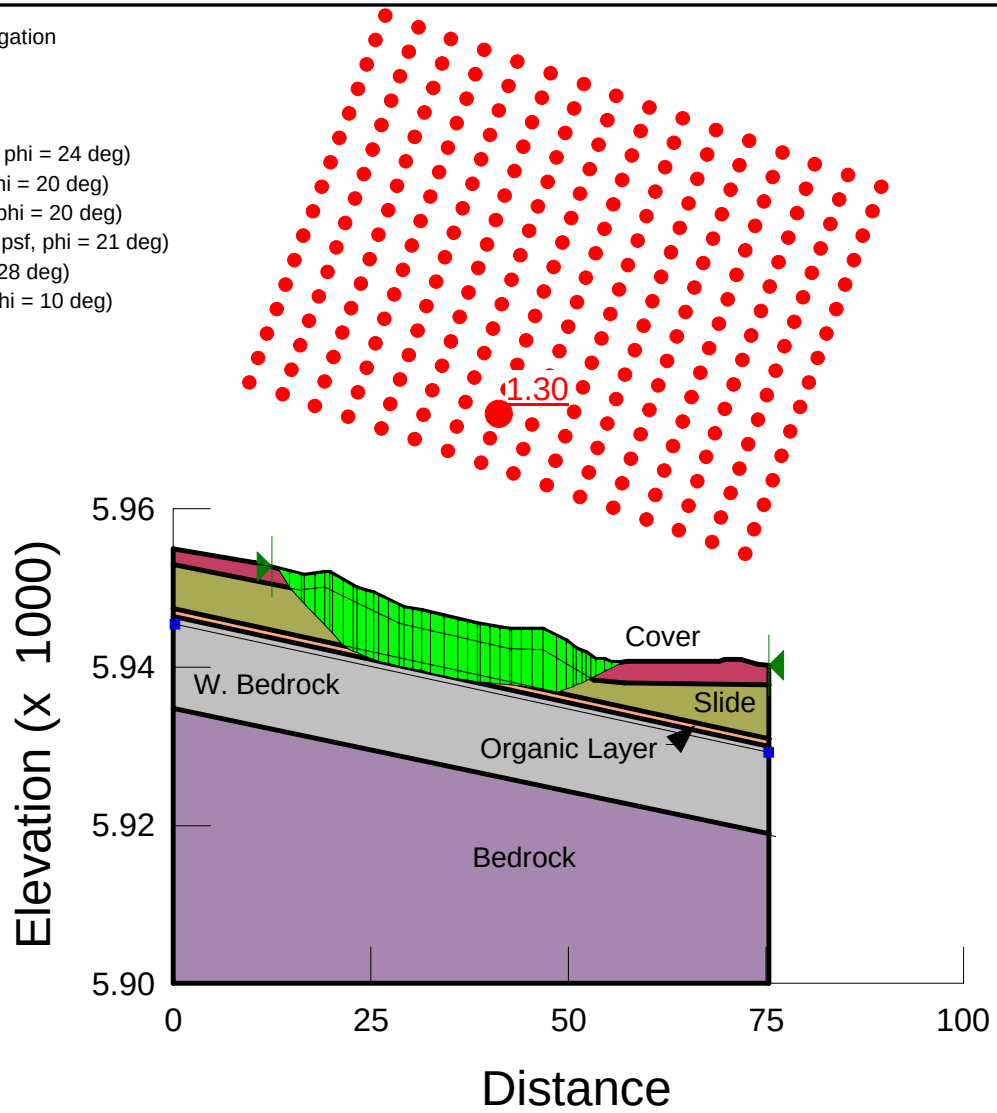
File Name: Section F High WT.gsz
Date: 6/3/2008

Section F
Slope Stability
TetraTech Material Properties – High Water Table
Figure E-23

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section F

(1) Cover Material (unit wt = 125 pcf, c = 100 psf, phi = 24 deg)
(2) Slide Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(3) Waste Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(4) Weathered Bedrock (unit wt = 125 pcf, c = 50 psf, phi = 21 deg)
(5) Bedrock (unit wt = 130 pcf, c = 300 psf, phi = 28 deg)
(6) Organic Material (unit wt = 90 pcf, c = 0 psf, phi = 10 deg)



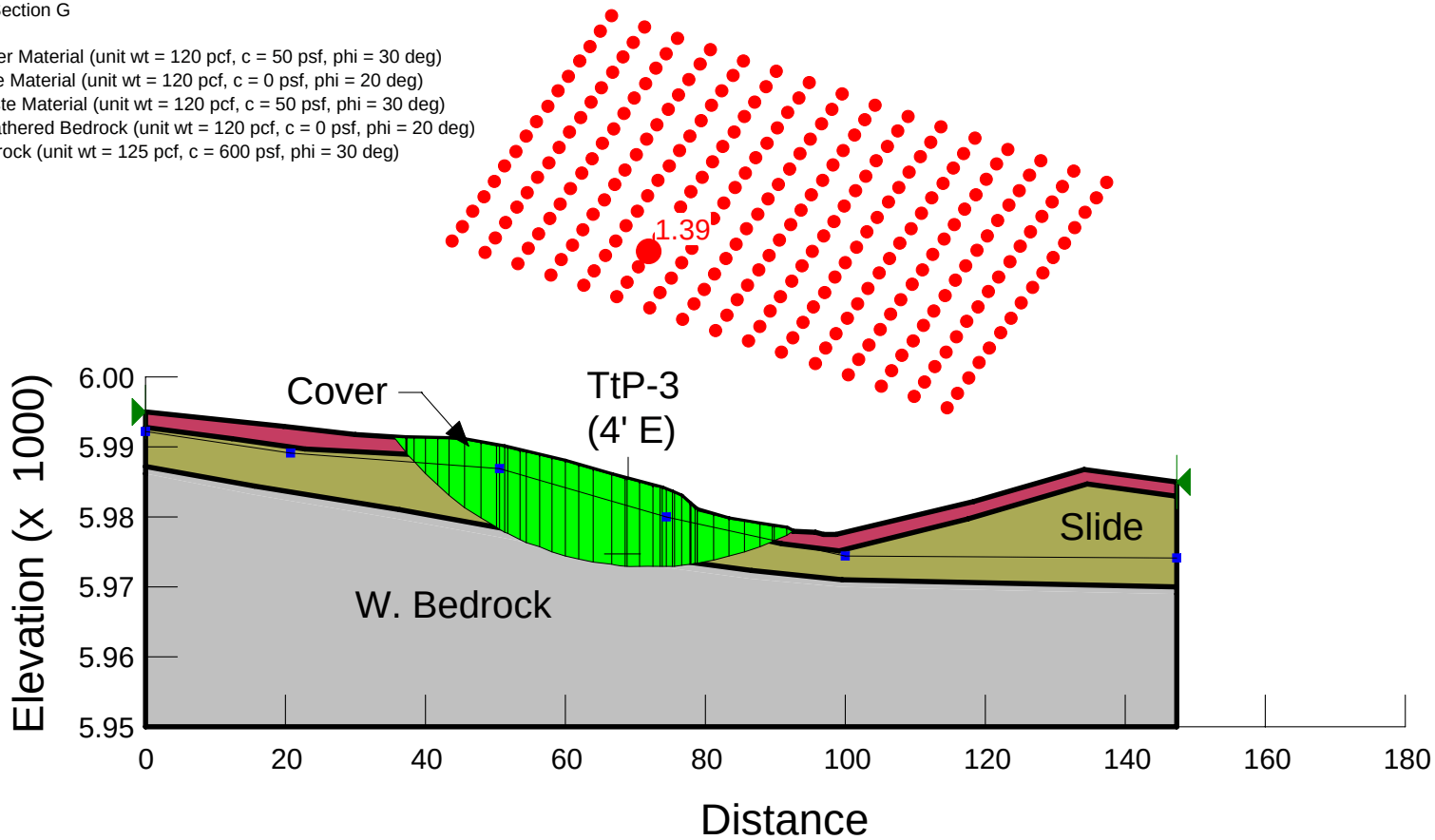
File Name: Section F Low WT.gsz
Date: 6/3/2008

Section F
Slope Stability Upper Section
TetraTech Material Properties – Low Water Table
Figure E-24

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section G

(1) Cover Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(2) Slide Material (unit wt = 120 pcf, c = 0 psf, phi = 20 deg)
(3) Waste Material (unit wt = 120 pcf, c = 50 psf, phi = 30 deg)
(4) Weathered Bedrock (unit wt = 120 pcf, c = 0 psf, phi = 20 deg)
(5) Bedrock (unit wt = 125 pcf, c = 600 psf, phi = 30 deg)



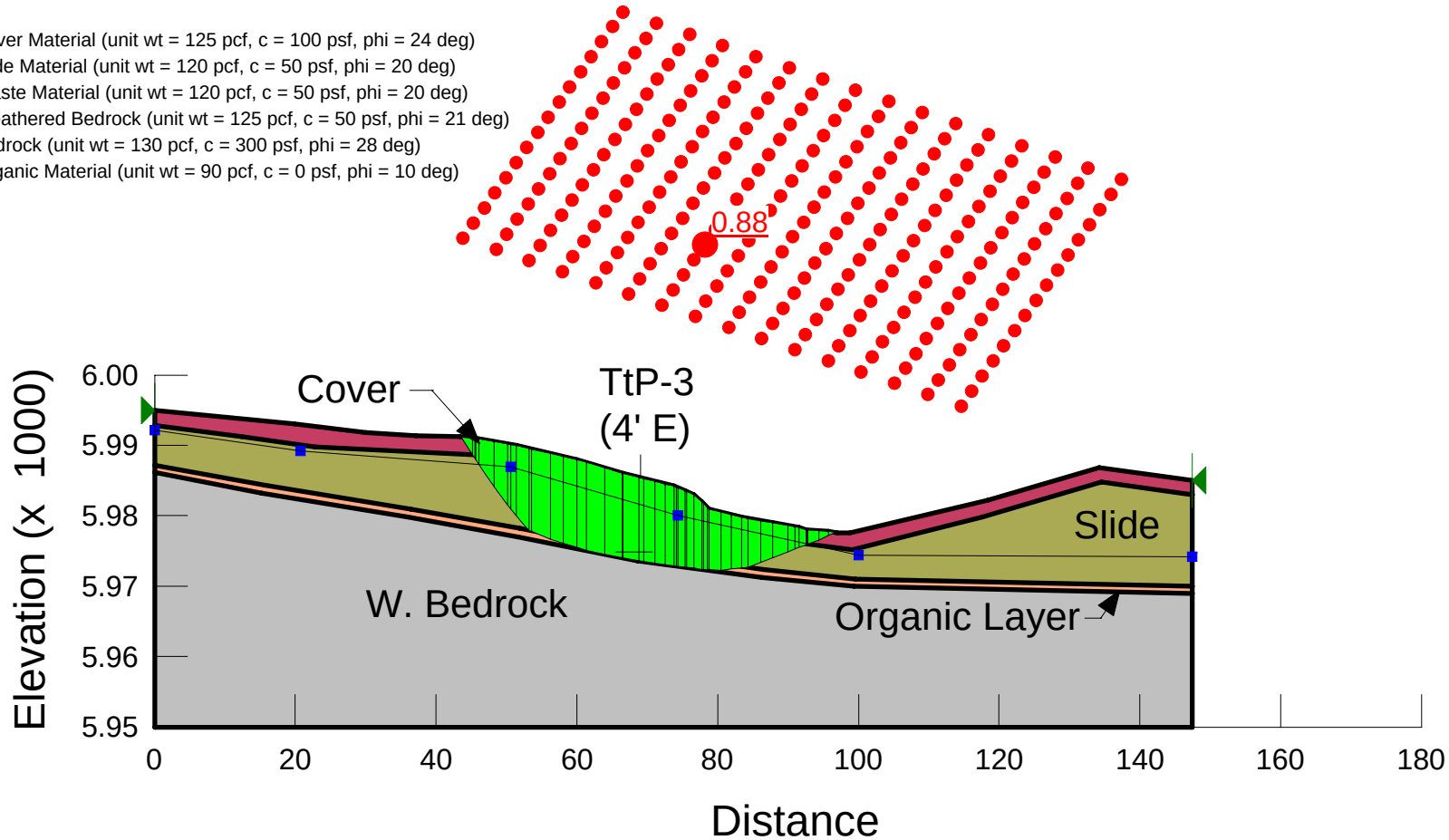
File Name: Section G Earth Tech Materials.gsz
Date: 6/3/2008

Section G
Slope Stability
Earth Tech Material Properties
Figure E-25

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section G

(1) Cover Material (unit wt = 125 pcf, c = 100 psf, phi = 24 deg)
(2) Slide Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(3) Waste Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(4) Weathered Bedrock (unit wt = 125 pcf, c = 50 psf, phi = 21 deg)
(5) Bedrock (unit wt = 130 pcf, c = 300 psf, phi = 28 deg)
(6) Organic Material (unit wt = 90 pcf, c = 0 psf, phi = 10 deg)



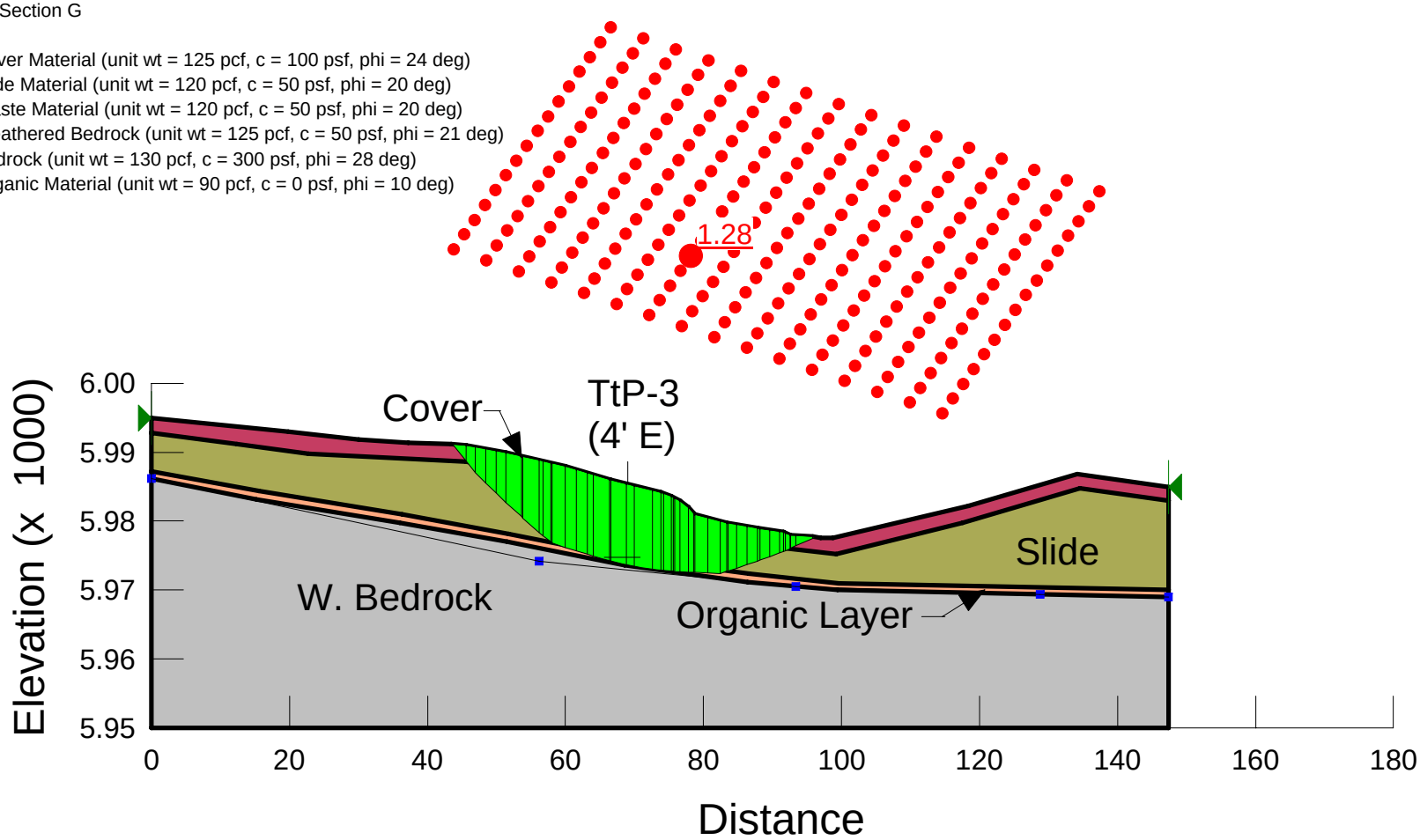
File Name: Section G High WT.gsz
Date: 6/3/2008

Section G
Slope Stability
TetraTech Material Properties – High Water Table
Figure E-26

Rocky Flats Original Landfill Geotechnical Investigation

Cross Section G

(1) Cover Material (unit wt = 125 pcf, c = 100 psf, phi = 24 deg)
(2) Slide Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(3) Waste Material (unit wt = 120 pcf, c = 50 psf, phi = 20 deg)
(4) Weathered Bedrock (unit wt = 125 pcf, c = 50 psf, phi = 21 deg)
(5) Bedrock (unit wt = 130 pcf, c = 300 psf, phi = 28 deg)
(6) Organic Material (unit wt = 90 pcf, c = 0 psf, phi = 10 deg)



File Name: Section G Low WT.gsz
Date: 6/3/2008

Section G
Slope Stability Upper Section
TetraTech Material Properties – Low Water Table
Figure E-27

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
8	4/13/2008 11:38	1153.466	2.047276	11.8208	6014.25	25.25
9	4/13/2008 12:38	1153.795	2.057977	11.81812	6014.26	25.24
10	4/13/2008 13:38	1154.095	2.067713	11.81519	6014.27	25.23
11	4/13/2008 14:38	1154.261	2.073074	11.81275	6014.27	25.23
12	4/13/2008 15:38	1154.401	2.077671	11.81275	6014.28	25.22
13	4/13/2008 16:38	1154.501	2.081043	11.81519	6014.28	25.22
14	4/13/2008 17:38	1154.471	2.079878	11.8103	6014.28	25.22
15	4/13/2008 18:38	1154.338	2.075612	11.81299	6014.28	25.22
16	4/13/2008 19:38	1154.211	2.071372	11.81104	6014.27	25.23
17	4/13/2008 20:38	1153.935	2.062402	11.81348	6014.26	25.24
18	4/13/2008 21:38	1153.792	2.057707	11.81348	6014.26	25.24
19	4/13/2008 22:38	1153.925	2.062359	11.82129	6014.26	25.24
20	4/13/2008 23:38	1154.191	2.070983	11.81836	6014.27	25.23
	4/13/2008 0:00	AVG			6014.27	25.23
21	4/14/2008 0:38	1154.298	2.074315	11.81348	6014.27	25.23
22	4/14/2008 1:38	1154.411	2.078205	11.81836	6014.28	25.22
23	4/14/2008 2:38	1154.545	2.082428	11.81348	6014.28	25.22
24	4/14/2008 3:38	1154.504	2.081349	11.8208	6014.28	25.22
25	4/14/2008 4:38	1154.441	2.078744	11.80615	6014.28	25.22
26	4/14/2008 5:38	1154.365	2.076515	11.81348	6014.28	25.22
27	4/14/2008 6:38	1154.191	2.070804	11.81348	6014.27	25.23
28	4/14/2008 7:38	1154.108	2.068079	11.81348	6014.27	25.23
29	4/14/2008 8:38	1154.085	2.06734	11.81397	6014.27	25.23
30	4/14/2008 9:38	1154.241	2.072095	11.80396	6014.27	25.23
31	4/14/2008 10:38	1154.251	2.072593	11.8086	6014.27	25.23
32	4/14/2008 11:38	1154.401	2.077331	11.80347	6014.28	25.22
33	4/14/2008 12:38	1154.685	2.086382	11.7959	6014.29	25.21
34	4/14/2008 13:38	1154.955	2.095247	11.7959	6014.30	25.20
35	4/14/2008 14:38	1155.121	2.100523	11.79102	6014.30	25.20
36	4/14/2008 15:38	1155.285	2.105895	11.79053	6014.31	25.19
37	4/14/2008 16:38	1155.235	2.10434	11.79297	6014.30	25.20
38	4/14/2008 17:38	1155.128	2.100934	11.7959	6014.30	25.20
39	4/14/2008 18:38	1155.138	2.101259	11.7959	6014.30	25.20
40	4/14/2008 19:38	1155.041	2.098173	11.79859	6014.30	25.20
41	4/14/2008 20:38	1154.815	2.090844	11.80127	6014.29	25.21
42	4/14/2008 21:38	1154.591	2.083229	11.79419	6014.28	25.22
43	4/14/2008 22:38	1154.361	2.075784	11.79712	6014.28	25.22
44	4/14/2008 23:38	1154.611	2.083975	11.79663	6014.28	25.22
45	4/15/2008 0:38	1154.795	2.090111	11.79907	6014.29	25.21
46	4/15/2008 1:38	1154.961	2.095385	11.79419	6014.30	25.20
47	4/15/2008 2:38	1155.135	2.100921	11.78931	6014.30	25.20
48	4/15/2008 3:38	1155.298	2.106544	11.79663	6014.31	25.19
49	4/15/2008 4:38	1155.301	2.106832	11.80176	6014.31	25.19
50	4/15/2008 5:38	1155.432	2.111118	11.80127	6014.31	25.19
51	4/15/2008 6:38	1155.255	2.104953	11.79175	6014.30	25.20

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
52	4/15/2008 7:38	1155.191	2.10295	11.79444	6014.30	25.20
53	4/15/2008 8:38	1155.241	2.104313	11.78687	6014.30	25.20
54	4/15/2008 9:38	1155.318	2.106924	11.78906	6014.31	25.19
55	4/15/2008 10:38	1155.225	2.103689	11.78418	6014.30	25.20
56	4/15/2008 11:38	1155.422	2.110244	11.78638	6014.31	25.19
57	4/15/2008 12:38	1155.659	2.118161	11.7898	6014.32	25.18
58	4/15/2008 13:38	1155.882	2.125283	11.78418	6014.33	25.17
59	4/15/2008 14:38	1155.882	2.125193	11.78174	6014.33	25.17
60	4/15/2008 15:38	1155.806	2.122608	11.7793	6014.32	25.18
61	4/15/2008 16:38	1155.802	2.122269	11.77368	6014.32	25.18
62	4/15/2008 17:38	1155.432	2.110224	11.77686	6014.31	25.19
63	4/15/2008 18:38	1155.151	2.10108	11.7793	6014.30	25.20
64	4/15/2008 19:38	1154.785	2.089147	11.78174	6014.29	25.21
65	4/15/2008 20:38	1154.458	2.078416	11.78198	6014.28	25.22
66	4/15/2008 21:38	1154.135	2.067723	11.77954	6014.27	25.23
67	4/15/2008 22:38	1153.805	2.056893	11.77954	6014.26	25.24
68	4/15/2008 23:38	1153.443	2.045013	11.77954	6014.25	25.25
69	4/16/2008 0:38	1153.459	2.045279	11.77246	6014.25	25.25
70	4/16/2008 1:38	1153.29	2.039916	11.77735	6014.24	25.26
71	4/16/2008 2:38	1152.695	2.020401	11.77735	6014.22	25.28
72	4/16/2008 3:38	1152.253	2.005917	11.77735	6014.21	25.29
73	4/16/2008 4:38	1152.353	2.009193	11.77735	6014.21	25.29
74	4/16/2008 5:38	1152.379	2.010045	11.77735	6014.21	25.29
75	4/16/2008 6:38	1152.529	2.014864	11.77466	6014.21	25.29
76	4/16/2008 7:38	1152.877	2.02627	11.77466	6014.23	25.27
77	4/16/2008 8:38	1153.133	2.03449	11.76978	6014.23	25.27
78	4/16/2008 9:38	1153.336	2.041148	11.76978	6014.24	25.26
79	4/16/2008 10:38	1153.024	2.031022	11.77271	6014.23	25.27
80	4/16/2008 11:38	1152.681	2.019766	11.77246	6014.22	25.28
81	4/16/2008 12:38	1152.891	2.026551	11.76978	6014.23	25.27
82	4/16/2008 13:38	1152.525	2.014553	11.76978	6014.21	25.29
83	4/16/2008 14:38	1152.532	2.014701	11.76758	6014.21	25.29
84	4/16/2008 15:38	1152.671	2.019518	11.77466	6014.22	25.28
85	4/16/2008 16:38	1152.794	2.023289	11.76758	6014.22	25.28
86	4/16/2008 17:38	1152.917	2.027422	11.77027	6014.23	25.27
87	4/16/2008 18:38	1152.774	2.022914	11.77515	6014.22	25.28
88	4/16/2008 19:38	1152.901	2.026799	11.76758	6014.23	25.27
89	4/16/2008 20:38	1152.864	2.025586	11.76758	6014.23	25.27
90	4/16/2008 21:38	1152.821	2.024088	11.76514	6014.22	25.28
91	4/16/2008 22:38	1152.934	2.027612	11.76026	6014.23	25.27
92	4/16/2008 23:38	1153.482	2.045678	11.7627	6014.25	25.25
93	4/17/2008 0:38	1153.675	2.052011	11.7627	6014.25	25.25
94	4/17/2008 1:38	1153.888	2.058997	11.7627	6014.26	25.24
95	4/17/2008 2:38	1154.015	2.063167	11.7627	6014.26	25.24
96	4/17/2008 3:38	1154.068	2.064817	11.76026	6014.26	25.24

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
97	4/17/2008 4:38	1153.862	2.057897	11.75586	6014.26	25.24
98	4/17/2008 5:38	1153.692	2.052299	11.75537	6014.25	25.25
99	4/17/2008 6:38	1153.566	2.048255	11.75781	6014.25	25.25
100	4/17/2008 7:38	1153.323	2.040282	11.75781	6014.24	25.26
101	4/17/2008 8:38	1153.359	2.041481	11.7583	6014.24	25.26
102	4/17/2008 9:38	1153.433	2.0438	11.75537	6014.24	25.26
103	4/17/2008 10:38	1153.519	2.046713	11.75781	6014.25	25.25
104	4/17/2008 11:38	1153.769	2.054648	11.75049	6014.25	25.25
105	4/17/2008 12:38	1154.061	2.064428	11.75586	6014.26	25.24
106	4/17/2008 13:38	1154.321	2.073052	11.7583	6014.27	25.23
107	4/17/2008 14:38	1154.488	2.078249	11.75049	6014.28	25.22
108	4/17/2008 15:38	1154.545	2.080211	11.75293	6014.28	25.22
109	4/17/2008 16:38	1154.625	2.082747	11.75049	6014.28	25.22
110	4/17/2008 17:38	1154.585	2.081432	11.75049	6014.28	25.22
111	4/17/2008 18:38	1154.415	2.075674	11.74561	6014.28	25.22
112	4/17/2008 19:38	1154.285	2.071405	11.74561	6014.27	25.23
113	4/17/2008 20:38	1154.038	2.063384	11.74805	6014.26	25.24
114	4/17/2008 21:38	1153.938	2.060192	11.75049	6014.26	25.24
115	4/17/2008 22:38	1154.241	2.070138	11.75049	6014.27	25.23
116	4/17/2008 23:38	1154.571	2.080975	11.75049	6014.28	25.22
117	4/18/2008 0:38	1154.711	2.085573	11.75049	6014.29	25.21
118	4/18/2008 1:38	1154.705	2.085194	11.74561	6014.29	25.21
119	4/18/2008 2:38	1154.648	2.083322	11.74561	6014.28	25.22
120	4/18/2008 3:38	1154.481	2.077766	11.74365	6014.28	25.22
121	4/18/2008 4:38	1154.288	2.071502	11.74561	6014.27	25.23
122	4/18/2008 5:38	1154.158	2.067144	11.74317	6014.27	25.23
123	4/18/2008 6:38	1153.898	2.05861	11.74317	6014.26	25.24
124	4/18/2008 7:38	1153.649	2.050532	11.74561	6014.25	25.25
125	4/18/2008 8:38	1153.725	2.052934	11.74317	6014.25	25.25
126	4/18/2008 9:38	1153.829	2.056347	11.74317	6014.26	25.24
127	4/18/2008 10:38	1153.865	2.057269	11.73609	6014.26	25.24
128	4/18/2008 11:38	1154.075	2.064339	11.74097	6014.26	25.24
129	4/18/2008 12:38	1154.198	2.068289	11.73853	6014.27	25.23
130	4/18/2008 13:38	1154.201	2.068389	11.73853	6014.27	25.23
131	4/18/2008 14:38	1154.265	2.070587	11.74121	6014.27	25.23
132	4/18/2008 15:38	1154.478	2.077304	11.73364	6014.28	25.22
133	4/18/2008 16:38	1154.648	2.082776	11.73071	6014.28	25.22
134	4/18/2008 17:38	1154.748	2.085992	11.72876	6014.29	25.21
135	4/18/2008 18:38	1154.408	2.074914	11.7312	6014.27	25.23
136	4/18/2008 19:38	1154.015	2.062103	11.73364	6014.26	25.24
137	4/18/2008 20:38	1153.835	2.056284	11.73609	6014.26	25.24
138	4/18/2008 21:38	1153.805	2.055034	11.72876	6014.26	25.24
139	4/18/2008 22:38	1153.882	2.057468	11.72632	6014.26	25.24
140	4/18/2008 23:38	1153.912	2.058633	11.7312	6014.26	25.24
141	4/19/2008 0:38	1153.825	2.055696	11.72901	6014.26	25.24

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
142	4/19/2008 1:38	1153.838	2.056026	11.72632	6014.26	25.24
143	4/19/2008 2:38	1153.915	2.058465	11.72388	6014.26	25.24
144	4/19/2008 3:38	1153.912	2.058454	11.72632	6014.26	25.24
145	4/19/2008 4:38	1153.928	2.059068	11.72876	6014.26	25.24
146	4/19/2008 5:38	1153.882	2.057567	11.72901	6014.26	25.24
147	4/19/2008 6:38	1153.838	2.056205	11.7312	6014.26	25.24
148	4/19/2008 7:38	1153.832	2.055741	11.72388	6014.26	25.24
149	4/19/2008 8:38	1153.855	2.056583	11.72632	6014.26	25.24
150	4/19/2008 9:38	1153.985	2.060582	11.719	6014.26	25.24
151	4/19/2008 10:38	1154.048	2.062738	11.72144	6014.26	25.24
152	4/19/2008 11:38	1154.421	2.075164	11.72632	6014.28	25.22
153	4/19/2008 12:38	1154.778	2.086608	11.71875	6014.29	25.21
154	4/19/2008 13:38	1155.235	2.101721	11.72144	6014.30	25.20
155	4/19/2008 14:38	1155.465	2.109278	11.72144	6014.31	25.19
156	4/19/2008 15:38	1155.712	2.11731	11.719	6014.32	25.18
157	4/19/2008 16:38	1155.775	2.11929	11.71655	6014.32	25.18
158	4/19/2008 17:38	1155.435	2.108206	11.719	6014.31	25.19
159	4/19/2008 18:38	1155.105	2.097181	11.71411	6014.30	25.20
160	4/19/2008 19:38	1154.675	2.082978	11.71192	6014.28	25.22
161	4/19/2008 20:38	1154.278	2.069939	11.71192	6014.27	25.23
162	4/19/2008 21:38	1154.145	2.065656	11.71411	6014.27	25.23
163	4/19/2008 22:38	1154.365	2.072966	11.71655	6014.27	25.23
164	4/19/2008 23:38	1154.581	2.080061	11.71655	6014.28	25.22
165	4/20/2008 0:38	1154.504	2.077532	11.71655	6014.28	25.22
166	4/20/2008 1:38	1154.518	2.077819	11.71192	6014.28	25.22
167	4/20/2008 2:38	1154.388	2.07355	11.71192	6014.27	25.23
168	4/20/2008 3:38	1154.445	2.075592	11.71655	6014.28	25.22
169	4/20/2008 4:38	1154.388	2.073648	11.7146	6014.27	25.23
170	4/20/2008 5:38	1154.325	2.071384	11.70923	6014.27	25.23
171	4/20/2008 6:38	1154.265	2.069613	11.7146	6014.27	25.23
172	4/20/2008 7:38	1154.148	2.065573	11.70923	6014.27	25.23
173	4/20/2008 8:38	1154.148	2.065752	11.71411	6014.27	25.23
174	4/20/2008 9:38	1154.195	2.06733	11.71509	6014.27	25.23
175	4/20/2008 10:38	1154.181	2.066659	11.70923	6014.27	25.23
176	4/20/2008 11:38	1154.188	2.066807	11.70703	6014.27	25.23
177	4/20/2008 12:38	1154.388	2.07355	11.71192	6014.27	25.23
178	4/20/2008 13:38	1154.491	2.076754	11.70703	6014.28	25.22
179	4/20/2008 14:38	1154.504	2.077264	11.70923	6014.28	25.22
180	4/20/2008 15:38	1154.451	2.075265	11.70215	6014.28	25.22
181	4/20/2008 16:38	1154.205	2.067275	11.70459	6014.27	25.23
182	4/20/2008 17:38	1153.882	2.056583	11.70215	6014.26	25.24
183	4/20/2008 18:38	1153.649	2.04894	11.70215	6014.25	25.25
184	4/20/2008 19:38	1153.286	2.03703	11.70215	6014.24	25.26
185	4/20/2008 20:38	1152.96	2.026427	11.70459	6014.23	25.27
186	4/20/2008 21:38	1152.711	2.018265	11.70459	6014.22	25.28

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
187	4/20/2008 22:38	1152.515	2.011928	11.70703	6014.21	25.29
188	4/20/2008 23:38	1152.615	2.014911	11.69898	6014.21	25.29
189	4/21/2008 0:38	1152.635	2.015594	11.69971	6014.22	25.28
190	4/21/2008 1:38	1152.319	2.005145	11.69727	6014.21	25.29
191	4/21/2008 2:38	1152.243	2.002746	11.69971	6014.20	25.30
192	4/21/2008 3:38	1152.515	2.011571	11.69727	6014.21	25.29
193	4/21/2008 4:38	1152.761	2.019634	11.69727	6014.22	25.28
194	4/21/2008 5:38	1152.791	2.020708	11.69971	6014.22	25.28
195	4/21/2008 6:38	1152.798	2.020936	11.69971	6014.22	25.28
196	4/21/2008 7:38	1152.572	2.01335	11.69483	6014.21	25.29
197	4/21/2008 8:38	1152.791	2.020619	11.69727	6014.22	25.28
198	4/21/2008 9:38	1153.047	2.029013	11.69727	6014.23	25.27
199	4/21/2008 10:38	1153.16	2.032541	11.69238	6014.23	25.27
200	4/21/2008 11:38	1153.433	2.041494	11.69238	6014.24	25.26
201	4/21/2008 12:38	1153.679	2.049743	11.69727	6014.25	25.25
202	4/21/2008 13:38	1153.928	2.057647	11.68994	6014.26	25.24
203	4/21/2008 14:38	1154.008	2.060185	11.6875	6014.26	25.24
204	4/21/2008 15:38	1154.225	2.067306	11.6875	6014.27	25.23
205	4/21/2008 16:38	1154.161	2.065206	11.6875	6014.27	25.23
206	4/21/2008 17:38	1153.606	2.04691	11.6853	6014.25	25.25
207	4/21/2008 18:38	1153.339	2.038232	11.6875	6014.24	25.26
208	4/21/2008 19:38	1152.951	2.025508	11.6875	6014.23	25.27
209	4/21/2008 20:38	1152.588	2.013606	11.6875	6014.21	25.29
210	4/21/2008 21:38	1152.399	2.007331	11.6853	6014.21	25.29
211	4/21/2008 22:38	1152.512	2.010943	11.68286	6014.21	25.29
212	4/21/2008 23:38	1152.738	2.018631	11.69043	6014.22	25.28
213	4/22/2008 0:38	1152.894	2.023845	11.69312	6014.22	25.28
214	4/22/2008 1:38	1153.05	2.028746	11.68726	6014.23	25.27
215	4/22/2008 2:38	1153.196	2.033463	11.6853	6014.23	25.27
216	4/22/2008 3:38	1153.35	2.038512	11.6853	6014.24	25.26
217	4/22/2008 4:38	1153.413	2.040578	11.6853	6014.24	25.26
218	4/22/2008 5:38	1153.399	2.04022	11.68799	6014.24	25.26
219	4/22/2008 6:38	1153.356	2.038708	11.6853	6014.24	25.26
220	4/22/2008 7:38	1153.32	2.037527	11.6853	6014.24	25.26
221	4/22/2008 8:38	1153.313	2.037209	11.68286	6014.24	25.26
222	4/22/2008 9:38	1153.429	2.041013	11.68286	6014.24	25.26
223	4/22/2008 10:38	1153.506	2.043629	11.6853	6014.24	25.26
224	4/22/2008 11:38	1153.635	2.047327	11.67066	6014.25	25.25
225	4/22/2008 12:38	1153.792	2.052656	11.67554	6014.25	25.25
226	4/22/2008 13:38	1153.952	2.057998	11.67798	6014.26	25.24
227	4/22/2008 14:38	1154.005	2.059656	11.67578	6014.26	25.24
228	4/22/2008 15:38	1154.215	2.066718	11.68042	6014.27	25.23
229	4/22/2008 16:38	1154.275	2.068511	11.67554	6014.27	25.23
230	4/22/2008 17:38	1154.201	2.066261	11.68042	6014.27	25.23
231	4/22/2008 18:38	1154.082	2.062444	11.68286	6014.26	25.24

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
232	4/22/2008 19:38	1153.925	2.057112	11.67798	6014.26	25.24
233	4/22/2008 20:38	1153.675	2.048819	11.67554	6014.25	25.25
234	4/22/2008 21:38	1153.482	2.042487	11.67554	6014.24	25.26
235	4/22/2008 22:38	1153.426	2.04056	11.6731	6014.24	25.26
236	4/22/2008 23:38	1153.566	2.045242	11.67554	6014.25	25.25
237	4/23/2008 0:38	1153.882	2.055698	11.67798	6014.26	25.24
238	4/23/2008 1:38	1154.055	2.061201	11.6731	6014.26	25.24
239	4/23/2008 2:38	1154.055	2.061201	11.6731	6014.26	25.24
240	4/23/2008 3:38	1153.845	2.054395	11.67554	6014.25	25.25
241	4/23/2008 4:38	1153.895	2.056037	11.67554	6014.26	25.24
242	4/23/2008 5:38	1153.855	2.054455	11.66821	6014.25	25.25
243	4/23/2008 6:38	1153.809	2.052945	11.66821	6014.25	25.25
244	4/23/2008 7:38	1153.769	2.051635	11.66821	6014.25	25.25
245	4/23/2008 8:38	1154.002	2.059368	11.67066	6014.26	25.24
246	4/23/2008 9:38	1154.181	2.065157	11.66821	6014.27	25.23
247	4/23/2008 10:38	1154.355	2.070778	11.66577	6014.27	25.23
248	4/23/2008 11:38	1154.545	2.077108	11.66821	6014.28	25.22
249	4/23/2008 12:38	1154.921	2.089278	11.66333	6014.29	25.21
250	4/23/2008 13:38	1155.021	2.092634	11.66529	6014.29	25.21
251	4/23/2008 14:38	1155.115	2.095462	11.6582	6014.30	25.20
252	4/23/2008 15:38	1155.131	2.096166	11.66309	6014.30	25.20
253	4/23/2008 16:38	1154.975	2.09105	11.66333	6014.29	25.21
254	4/23/2008 17:38	1154.748	2.083507	11.66089	6014.28	25.22
255	4/23/2008 18:38	1154.495	2.074919	11.65332	6014.27	25.23
256	4/23/2008 19:38	1154.208	2.065596	11.65601	6014.27	25.23
257	4/23/2008 20:38	1153.855	2.054187	11.66089	6014.25	25.25
258	4/23/2008 21:38	1153.406	2.039277	11.65601	6014.24	25.26
259	4/23/2008 22:38	1153.127	2.030124	11.65601	6014.23	25.27
260	4/23/2008 23:38	1153.167	2.031526	11.65845	6014.23	25.27
261	4/24/2008 0:38	1153.15	2.03097	11.65845	6014.23	25.27
262	4/24/2008 1:38	1153.15	2.031059	11.66089	6014.23	25.27
263	4/24/2008 2:38	1153.21	2.033114	11.66333	6014.23	25.27
264	4/24/2008 3:38	1153.426	2.040112	11.66089	6014.24	25.26
265	4/24/2008 4:38	1153.409	2.039377	11.65601	6014.24	25.26
266	4/24/2008 5:38	1153.446	2.040591	11.65601	6014.24	25.26
267	4/24/2008 6:38	1153.133	2.030324	11.65601	6014.23	25.27
268	4/24/2008 7:38	1153.08	2.028493	11.65357	6014.23	25.27
269	4/24/2008 8:38	1153.273	2.034742	11.65137	6014.23	25.27
270	4/24/2008 9:38	1153.549	2.044056	11.65845	6014.24	25.26
271	4/24/2008 10:38	1153.655	2.047179	11.64868	6014.25	25.25
272	4/24/2008 11:38	1153.905	2.055392	11.64893	6014.26	25.24
273	4/24/2008 12:38	1154.228	2.066342	11.65845	6014.27	25.23
274	4/24/2008 13:38	1154.351	2.07002	11.64868	6014.27	25.23
275	4/24/2008 14:38	1154.438	2.072878	11.64868	6014.27	25.23
276	4/24/2008 15:38	1154.225	2.065884	11.64868	6014.27	25.23

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
277	4/24/2008 16:38	1153.985	2.058186	11.65357	6014.26	25.24
278	4/24/2008 17:38	1153.822	2.052658	11.64868	6014.25	25.25
279	4/24/2008 18:38	1153.562	2.044708	11.66455	6014.24	25.26
280	4/24/2008 19:38	1152.781	2.018431	11.64649	6014.22	25.28
281	4/24/2008 20:38	1151.928	1.990295	11.6416	6014.19	25.31
282	4/24/2008 21:38	1151.868	1.988511	11.64649	6014.19	25.31
283	4/24/2008 22:38	1151.954	1.991236	11.64404	6014.19	25.31
284	4/24/2008 23:38	1152.329	2.003703	11.64893	6014.20	25.30
285	4/25/2008 0:38	1152.416	2.006466	11.64649	6014.21	25.29
286	4/25/2008 1:38	1152.25	2.001204	11.65137	6014.20	25.30
287	4/25/2008 2:38	1152.336	2.003935	11.64893	6014.20	25.30
288	4/25/2008 3:38	1152.379	2.005433	11.65137	6014.21	25.29
289	4/25/2008 4:38	1152.758	2.017679	11.64649	6014.22	25.28
290	4/25/2008 5:38	1152.864	2.021242	11.64893	6014.22	25.28
291	4/25/2008 6:38	1153.084	2.028366	11.64649	6014.23	25.27
292	4/25/2008 7:38	1152.871	2.021381	11.64649	6014.22	25.28
293	4/25/2008 8:38	1153.017	2.026079	11.64404	6014.23	25.27
294	4/25/2008 9:38	1153.087	2.028108	11.63672	6014.23	25.27
295	4/25/2008 10:38	1153.196	2.031683	11.63672	6014.23	25.27
296	4/25/2008 11:38	1153.3	2.035274	11.6416	6014.24	25.26
297	4/25/2008 12:38	1153.476	2.040865	11.63672	6014.24	25.26
298	4/25/2008 13:38	1153.812	2.05207	11.6416	6014.25	25.25
299	4/25/2008 14:38	1153.789	2.051126	11.63648	6014.25	25.25
300	4/25/2008 15:38	1153.809	2.05206	11.64404	6014.25	25.25
301	4/25/2008 16:38	1153.812	2.05216	11.64404	6014.25	25.25
302	4/25/2008 17:38	1153.632	2.046252	11.64404	6014.25	25.25
303	4/25/2008 18:38	1153.462	2.040498	11.63916	6014.24	25.26
304	4/25/2008 19:38	1153.379	2.037686	11.63672	6014.24	25.26
305	4/25/2008 20:38	1153.057	2.026945	11.63184	6014.23	25.27
306	4/25/2008 21:38	1152.994	2.024977	11.63452	6014.22	25.28
307	4/25/2008 22:38	1153.017	2.025989	11.6416	6014.23	25.27
308	4/25/2008 23:38	1152.984	2.024551	11.63184	6014.22	25.28
309	4/26/2008 0:38	1152.874	2.021043	11.63452	6014.22	25.28
310	4/26/2008 1:38	1153.24	2.033044	11.63452	6014.23	25.27
311	4/26/2008 2:38	1153.19	2.031215	11.6294	6014.23	25.27
312	4/26/2008 3:38	1153.27	2.03411	11.63672	6014.23	25.27
313	4/26/2008 4:38	1153.186	2.031445	11.63916	6014.23	25.27
314	4/26/2008 5:38	1152.967	2.024263	11.63916	6014.22	25.28
315	4/26/2008 6:38	1153.04	2.026388	11.63184	6014.23	25.27
316	4/26/2008 7:38	1152.731	2.016352	11.63452	6014.22	25.28
317	4/26/2008 8:38	1152.519	2.009307	11.63184	6014.21	25.29
318	4/26/2008 9:38	1152.399	2.005285	11.6294	6014.21	25.29
319	4/26/2008 10:38	1152.114	1.995774	11.62476	6014.20	25.30
320	4/26/2008 11:38	1151.828	1.986761	11.63452	6014.19	25.31
321	4/26/2008 12:38	1152.097	1.995307	11.6272	6014.20	25.30

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
322	4/26/2008 13:38	1152.509	2.008818	11.62744	6014.21	25.29
323	4/26/2008 14:38	1152.741	2.016412	11.6272	6014.22	25.28
324	4/26/2008 15:38	1153.097	2.027999	11.62476	6014.23	25.27
325	4/26/2008 16:38	1153.276	2.034038	11.6294	6014.23	25.27
326	4/26/2008 17:38	1153.19	2.031305	11.63184	6014.23	25.27
327	4/26/2008 18:38	1153.097	2.027999	11.62476	6014.23	25.27
328	4/26/2008 19:38	1153.03	2.025801	11.62476	6014.23	25.27
329	4/26/2008 20:38	1152.794	2.018149	11.6272	6014.22	25.28
330	4/26/2008 21:38	1152.642	2.013077	11.62476	6014.21	25.29
331	4/26/2008 22:38	1152.502	2.008657	11.6294	6014.21	25.29
332	4/26/2008 23:38	1151.861	1.987581	11.62744	6014.19	25.31
333	4/27/2008 0:38	1151.987	1.991614	11.62476	6014.19	25.31
334	4/27/2008 1:38	1152.13	1.996298	11.62476	6014.20	25.30
335	4/27/2008 2:38	1152.731	2.015905	11.62232	6014.22	25.28
336	4/27/2008 3:38	1152.871	2.020585	11.62476	6014.22	25.28
337	4/27/2008 4:38	1153.014	2.025276	11.62476	6014.23	25.27
338	4/27/2008 5:38	1153.253	2.033115	11.62476	6014.23	25.27
339	4/27/2008 6:38	1153.12	2.028662	11.62232	6014.23	25.27
340	4/27/2008 7:38	1153.233	2.032369	11.62232	6014.23	25.27
341	4/27/2008 8:38	1153.18	2.030542	11.61987	6014.23	25.27
342	4/27/2008 9:38	1153.24	2.032598	11.62232	6014.23	25.27
343	4/27/2008 10:38	1153.32	2.03522	11.62232	6014.24	25.26
344	4/27/2008 11:38	1153.399	2.037815	11.62232	6014.24	25.26
345	4/27/2008 12:38	1153.606	2.044782	11.6272	6014.24	25.26
346	4/27/2008 13:38	1153.825	2.051699	11.61987	6014.25	25.25
347	4/27/2008 14:38	1153.825	2.05152	11.61499	6014.25	25.25
348	4/27/2008 15:38	1153.885	2.053491	11.61499	6014.25	25.25
349	4/27/2008 16:38	1153.855	2.052506	11.61499	6014.25	25.25
350	4/27/2008 17:38	1153.632	2.045187	11.61499	6014.25	25.25
351	4/27/2008 18:38	1153.526	2.041622	11.61255	6014.24	25.26
352	4/27/2008 19:38	1153.343	2.035798	11.61743	6014.24	25.26
353	4/27/2008 20:38	1153.093	2.027509	11.61499	6014.23	25.27
354	4/27/2008 21:38	1152.814	2.018358	11.61499	6014.22	25.28
355	4/27/2008 22:38	1152.944	2.022621	11.61499	6014.22	25.28
356	4/27/2008 23:38	1153.143	2.028708	11.60303	6014.23	25.27
357	4/28/2008 0:38	1153.286	2.03366	11.61011	6014.23	25.27
358	4/28/2008 1:38	1153.492	2.040415	11.61011	6014.24	25.26
359	4/28/2008 2:38	1153.592	2.04361	11.60767	6014.24	25.26
360	4/28/2008 3:38	1153.632	2.045009	11.61011	6014.25	25.25
361	4/28/2008 4:38	1153.476	2.03998	11.61255	6014.24	25.26
362	4/28/2008 5:38	1153.429	2.038349	11.61011	6014.24	25.26
363	4/28/2008 6:38	1153.35	2.035847	11.61255	6014.24	25.26
364	4/28/2008 7:38	1153.176	2.030052	11.61011	6014.23	25.27
365	4/28/2008 8:38	1153.243	2.03225	11.61011	6014.23	25.27
366	4/28/2008 9:38	1153.153	2.029296	11.61011	6014.23	25.27

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
367	4/28/2008 10:38	1153.17	2.029945	11.61255	6014.23	25.27
368	4/28/2008 11:38	1153.256	2.032326	11.60059	6014.23	25.27
369	4/28/2008 12:38	1153.482	2.039742	11.60059	6014.24	25.26
370	4/28/2008 13:38	1153.622	2.044421	11.60303	6014.24	25.26
371	4/28/2008 14:38	1153.692	2.04672	11.60303	6014.25	25.25
372	4/28/2008 15:38	1153.665	2.045916	11.60523	6014.25	25.25
373	4/28/2008 16:38	1153.762	2.049096	11.60523	6014.25	25.25
374	4/28/2008 17:38	1153.635	2.04485	11.60303	6014.24	25.26
375	4/28/2008 18:38	1153.509	2.040716	11.60303	6014.24	25.26
376	4/28/2008 19:38	1153.32	2.034424	11.60059	6014.23	25.27
377	4/28/2008 20:38	1153.087	2.026696	11.59815	6014.23	25.27
378	4/28/2008 21:38	1152.937	2.021865	11.60059	6014.22	25.28
379	4/28/2008 22:38	1152.97	2.023116	11.60523	6014.22	25.28
380	4/28/2008 23:38	1153.13	2.028105	11.59815	6014.23	25.27
381	4/29/2008 0:38	1153.243	2.031902	11.60059	6014.23	25.27
382	4/29/2008 1:38	1153.389	2.03669	11.60059	6014.24	25.26
383	4/29/2008 2:38	1153.416	2.037486	11.59815	6014.24	25.26
384	4/29/2008 3:38	1153.406	2.037247	11.60059	6014.24	25.26
385	4/29/2008 4:38	1153.316	2.034296	11.60059	6014.23	25.27
386	4/29/2008 5:38	1153.263	2.032554	11.60059	6014.23	25.27
387	4/29/2008 6:38	1153.16	2.02909	11.59815	6014.23	25.27
388	4/29/2008 7:38	1152.99	2.023423	11.5957	6014.22	25.28
389	4/29/2008 8:38	1153.06	2.02599	11.60303	6014.23	25.27
390	4/29/2008 9:38	1153.19	2.030071	11.59815	6014.23	25.27
391	4/29/2008 10:38	1153.396	2.036829	11.59815	6014.24	25.26
392	4/29/2008 11:38	1153.549	2.041758	11.5957	6014.24	25.26
393	4/29/2008 12:38	1153.872	2.052356	11.5957	6014.25	25.25
394	4/29/2008 13:38	1154.005	2.056813	11.59815	6014.26	25.24
395	4/29/2008 14:38	1153.935	2.054427	11.5957	6014.25	25.25
396	4/29/2008 15:38	1154.295	2.066226	11.59522	6014.27	25.23
397	4/29/2008 16:38	1154.458	2.071415	11.59082	6014.27	25.23
398	4/29/2008 17:38	1154.311	2.066751	11.59522	6014.27	25.23
399	4/29/2008 18:38	1154.285	2.065718	11.59033	6014.27	25.23
400	4/29/2008 19:38	1154.225	2.063943	11.5957	6014.26	25.24
401	4/29/2008 20:38	1153.902	2.053431	11.59815	6014.25	25.25
402	4/29/2008 21:38	1153.655	2.045238	11.5957	6014.25	25.25
403	4/29/2008 22:38	1153.652	2.045048	11.59326	6014.25	25.25
404	4/29/2008 23:38	1153.755	2.048429	11.59326	6014.25	25.25
405	4/30/2008 0:38	1153.898	2.053031	11.59082	6014.25	25.25
406	4/30/2008 1:38	1154.175	2.062215	11.59326	6014.26	25.24
407	4/30/2008 2:38	1154.185	2.062633	11.5957	6014.26	25.24
408	4/30/2008 3:38	1154.012	2.056772	11.59082	6014.26	25.24
409	4/30/2008 4:38	1153.932	2.054059	11.58838	6014.25	25.25
410	4/30/2008 5:38	1153.742	2.047911	11.59082	6014.25	25.25
411	4/30/2008 6:38	1153.516	2.040319	11.58594	6014.24	25.26

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
412	4/30/2008 7:38	1153.35	2.035051	11.59082	6014.24	25.26
413	4/30/2008 8:38	1153.393	2.036282	11.58594	6014.24	25.26
414	4/30/2008 9:38	1153.433	2.037596	11.58594	6014.24	25.26
415	4/30/2008 10:38	1153.559	2.041728	11.58594	6014.24	25.26
416	4/30/2008 11:38	1153.679	2.045648	11.58545	6014.25	25.25
417	4/30/2008 12:38	1153.845	2.050925	11.58081	6014.25	25.25
418	4/30/2008 13:38	1154.058	2.058086	11.58545	6014.26	25.24
419	4/30/2008 14:38	1154.108	2.059559	11.58081	6014.26	25.24
420	4/30/2008 15:38	1154.298	2.066161	11.59082	6014.27	25.23
421	4/30/2008 16:38	1154.331	2.067247	11.59082	6014.27	25.23
422	4/30/2008 17:38	1154.188	2.062372	11.58594	6014.26	25.24
423	4/30/2008 18:38	1153.722	2.047169	11.58838	6014.25	25.25
424	4/30/2008 19:38	1153.256	2.03179	11.58594	6014.23	25.27
425	4/30/2008 20:38	1153.014	2.023854	11.58594	6014.22	25.28
426	4/30/2008 21:38	1152.369	2.00253	11.58106	6014.20	25.30
427	4/30/2008 22:38	1152.17	1.996009	11.58106	6014.20	25.30
428	4/30/2008 23:38	1151.915	1.987743	11.5835	6014.19	25.31
429	5/1/2008 0:38	1151.852	1.985591	11.58106	6014.19	25.31
430	5/1/2008 1:38	1152.137	1.995015	11.5835	6014.20	25.30
431	5/1/2008 2:38	1152.602	2.010168	11.58106	6014.21	25.29
432	5/1/2008 3:38	1152.808	2.016919	11.58106	6014.22	25.28
433	5/1/2008 4:38	1152.977	2.022373	11.57861	6014.22	25.28
434	5/1/2008 5:38	1152.824	2.017444	11.58106	6014.22	25.28
435	5/1/2008 6:38	1152.562	2.008766	11.57861	6014.21	25.29
436	5/1/2008 7:38	1152.495	2.006838	11.58594	6014.21	25.29
437	5/1/2008 8:38	1152.296	2.000138	11.58106	6014.20	25.30
438	5/1/2008 9:38	1152.359	2.002023	11.57617	6014.20	25.30
439	5/1/2008 10:38	1152.442	2.004922	11.58106	6014.20	25.30
440	5/1/2008 11:38	1152.585	2.009608	11.58106	6014.21	25.29
441	5/1/2008 12:38	1152.761	2.015378	11.58106	6014.22	25.28
442	5/1/2008 13:38	1152.705	2.013103	11.56909	6014.21	25.29
443	5/1/2008 14:38	1152.572	2.009005	11.57617	6014.21	25.29
444	5/1/2008 15:38	1152.412	2.003759	11.57617	6014.20	25.30
445	5/1/2008 16:38	1152.296	2.000048	11.57861	6014.20	25.30
446	5/1/2008 17:38	1152.23	1.997794	11.57617	6014.20	25.30
447	5/1/2008 18:38	1152.23	1.997794	11.57617	6014.20	25.30
448	5/1/2008 19:38	1152.399	2.003335	11.57617	6014.20	25.30
449	5/1/2008 20:38	1152.422	2.003998	11.57373	6014.20	25.30
450	5/1/2008 21:38	1152.499	2.006352	11.56909	6014.21	25.29
451	5/1/2008 22:38	1152.784	2.015866	11.57373	6014.22	25.28
452	5/1/2008 23:38	1153.01	2.023016	11.56665	6014.22	25.28
453	5/2/2008 0:38	1153.024	2.023476	11.56665	6014.22	25.28
454	5/2/2008 1:38	1152.977	2.022114	11.57154	6014.22	25.28
455	5/2/2008 2:38	1153.057	2.024557	11.56665	6014.22	25.28
456	5/2/2008 3:38	1152.964	2.021686	11.57154	6014.22	25.28

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
457	5/2/2008 4:38	1152.901	2.01962	11.57154	6014.22	25.28
458	5/2/2008 5:38	1152.851	2.018078	11.57422	6014.22	25.28
459	5/2/2008 6:38	1152.774	2.015538	11.57373	6014.22	25.28
460	5/2/2008 7:38	1152.582	2.008984	11.56665	6014.21	25.29
461	5/2/2008 8:38	1152.655	2.011287	11.56421	6014.21	25.29
462	5/2/2008 9:38	1152.798	2.016153	11.56909	6014.22	25.28
463	5/2/2008 10:38	1152.26	1.99834	11.56421	6014.20	25.30
464	5/2/2008 11:38	1152.187	1.995859	11.56177	6014.20	25.30
465	5/2/2008 12:38	1151.772	1.982449	11.5669	6014.18	25.32
466	5/2/2008 13:38	1151.739	1.981271	11.56421	6014.18	25.32
467	5/2/2008 14:38	1151.586	1.97644	11.56909	6014.18	25.32
468	5/2/2008 15:38	1151.54	1.974843	11.56665	6014.17	25.33
469	5/2/2008 16:38	1151.341	1.968413	11.56909	6014.17	25.33
470	5/2/2008 17:38	1151.099	1.960402	11.56665	6014.16	25.34
471	5/2/2008 18:38	1151.298	1.967006	11.56909	6014.17	25.33
472	5/2/2008 19:38	1151.215	1.96393	11.55933	6014.16	25.34
473	5/2/2008 20:38	1151.232	1.964669	11.56421	6014.16	25.34
474	5/2/2008 21:38	1151.268	1.965844	11.56421	6014.17	25.33
475	5/2/2008 22:38	1151.666	1.978969	11.56665	6014.18	25.32
476	5/2/2008 23:38	1152.07	1.992112	11.56421	6014.19	25.31
477	5/3/2008 0:38	1152.323	2.000226	11.55933	6014.20	25.30
478	5/3/2008 1:38	1152.492	2.005852	11.56177	6014.21	25.29
479	5/3/2008 2:38	1152.605	2.009736	11.56665	6014.21	25.29
480	5/3/2008 3:38	1152.549	2.0079	11.56665	6014.21	25.29
481	5/3/2008 4:38	1152.592	2.009133	11.56177	6014.21	25.29
482	5/3/2008 5:38	1152.778	2.015139	11.55933	6014.22	25.28
483	5/3/2008 6:38	1152.718	2.013174	11.55933	6014.21	25.29
484	5/3/2008 7:38	1152.748	2.014158	11.55933	6014.21	25.29
485	5/3/2008 8:38	1152.565	2.008245	11.56177	6014.21	25.29
486	5/3/2008 9:38	1152.711	2.012946	11.55933	6014.21	25.29
487	5/3/2008 10:38	1152.688	2.012189	11.55933	6014.21	25.29
488	5/3/2008 11:38	1152.881	2.018338	11.55445	6014.22	25.28
489	5/3/2008 12:38	1153.067	2.024528	11.55689	6014.22	25.28
490	5/3/2008 13:38	1153.18	2.028324	11.55933	6014.23	25.27
491	5/3/2008 14:38	1153.236	2.030247	11.56177	6014.23	25.27
492	5/3/2008 15:38	1153.29	2.031932	11.55933	6014.23	25.27
493	5/3/2008 16:38	1153.263	2.030953	11.55689	6014.23	25.27
494	5/3/2008 17:38	1153.12	2.026355	11.55933	6014.23	25.27
495	5/3/2008 18:38	1152.937	2.020175	11.55445	6014.22	25.28
496	5/3/2008 19:38	1152.731	2.013419	11.55445	6014.21	25.29
497	5/3/2008 20:38	1152.522	2.006658	11.55689	6014.21	25.29
498	5/3/2008 21:38	1152.296	1.998984	11.54956	6014.20	25.30
499	5/3/2008 22:38	1152.346	2.000709	11.552	6014.20	25.30
500	5/3/2008 23:38	1152.402	2.002546	11.552	6014.20	25.30
501	5/4/2008 0:38	1152.392	2.002307	11.55445	6014.20	25.30

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
502	5/4/2008 1:38	1152.562	2.00797	11.55689	6014.21	25.29
503	5/4/2008 2:38	1152.618	2.009628	11.552	6014.21	25.29
504	5/4/2008 3:38	1152.625	2.009946	11.55445	6014.21	25.29
505	5/4/2008 4:38	1152.575	2.008215	11.552	6014.21	25.29
506	5/4/2008 5:38	1152.442	2.003688	11.54736	6014.20	25.30
507	5/4/2008 6:38	1152.223	1.996681	11.552	6014.20	25.30
508	5/4/2008 7:38	1152.051	1.991045	11.552	6014.19	25.31
509	5/4/2008 8:38	1152.074	1.991797	11.552	6014.19	25.31
510	5/4/2008 9:38	1152.246	1.997433	11.552	6014.20	25.30
511	5/4/2008 10:38	1152.426	2.003244	11.54956	6014.20	25.30
512	5/4/2008 11:38	1152.466	2.004374	11.54468	6014.20	25.30
513	5/4/2008 12:38	1152.562	2.007621	11.54736	6014.21	25.29
514	5/4/2008 13:38	1152.675	2.011497	11.552	6014.21	25.29
515	5/4/2008 14:38	1152.721	2.012653	11.54248	6014.21	25.29
516	5/4/2008 15:38	1152.734	2.01326	11.54736	6014.21	25.29
517	5/4/2008 16:38	1152.595	2.008782	11.54956	6014.21	25.29
518	5/4/2008 17:38	1152.525	2.00623	11.54248	6014.21	25.29
519	5/4/2008 18:38	1152.409	2.002608	11.54736	6014.20	25.30
520	5/4/2008 19:38	1152.3	1.998767	11.54004	6014.20	25.30
521	5/4/2008 20:38	1152.12	1.993135	11.54736	6014.19	25.31
522	5/4/2008 21:38	1152.027	1.989819	11.54004	6014.19	25.31
523	5/4/2008 22:38	1152.087	1.991608	11.53516	6014.19	25.31
524	5/4/2008 23:38	1152.18	1.994924	11.54248	6014.19	25.31
525	5/5/2008 0:38	1152.18	1.995005	11.54468	6014.20	25.30
526	5/5/2008 1:38	1152.183	1.99502	11.54248	6014.20	25.30
527	5/5/2008 2:38	1152.466	2.004204	11.54004	6014.20	25.30
528	5/5/2008 3:38	1152.585	2.008105	11.54004	6014.21	25.29
529	5/5/2008 4:38	1152.515	2.005812	11.54004	6014.21	25.29
530	5/5/2008 5:38	1152.462	2.003987	11.5376	6014.20	25.30
531	5/5/2008 6:38	1152.369	2.001027	11.54004	6014.20	25.30
532	5/5/2008 7:38	1152.28	1.998111	11.54004	6014.20	25.30
533	5/5/2008 8:38	1152.339	2.000133	11.54248	6014.20	25.30
534	5/5/2008 9:38	1152.432	2.00302	11.53809	6014.20	25.30
535	5/5/2008 10:38	1152.519	2.005766	11.53516	6014.21	25.29
536	5/5/2008 11:38	1152.598	2.008355	11.53516	6014.21	25.29
537	5/5/2008 12:38	1152.728	2.012795	11.54004	6014.21	25.29
538	5/5/2008 13:38	1152.731	2.012712	11.53516	6014.21	25.29
539	5/5/2008 14:38	1152.841	2.016319	11.53516	6014.22	25.28
540	5/5/2008 15:38	1152.924	2.01904	11.53516	6014.22	25.28
541	5/5/2008 16:38	1153.054	2.023303	11.53516	6014.22	25.28
542	5/5/2008 17:38	1153.03	2.022519	11.53516	6014.22	25.28
543	5/5/2008 18:38	1153.03	2.02225	11.52783	6014.22	25.28
544	5/5/2008 19:38	1152.927	2.019051	11.53272	6014.22	25.28
545	5/5/2008 20:38	1152.678	2.010976	11.53516	6014.21	25.29
546	5/5/2008 21:38	1152.469	2.003946	11.53027	6014.20	25.30

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
547	5/5/2008 22:38	1152.525	2.005604	11.52539	6014.21	25.29
548	5/5/2008 23:38	1152.542	2.006428	11.53272	6014.21	25.29
549	5/6/2008 0:38	1152.675	2.010611	11.52783	6014.21	25.29
550	5/6/2008 1:38	1152.788	2.014402	11.53027	6014.21	25.29
551	5/6/2008 2:38	1152.917	2.018633	11.53027	6014.22	25.28
552	5/6/2008 3:38	1152.867	2.017171	11.53516	6014.22	25.28
553	5/6/2008 4:38	1152.741	2.013041	11.53516	6014.21	25.29
554	5/6/2008 5:38	1152.645	2.009806	11.53272	6014.21	25.29
555	5/6/2008 6:38	1152.499	2.00511	11.53516	6014.21	25.29
556	5/6/2008 7:38	1152.382	2.001183	11.53272	6014.20	25.30
557	5/6/2008 8:38	1152.449	2.003469	11.53516	6014.20	25.30
558	5/6/2008 9:38	1152.535	2.006021	11.52783	6014.21	25.29
559	5/6/2008 10:38	1152.688	2.011214	11.53272	6014.21	25.29
560	5/6/2008 11:38	1152.768	2.013567	11.52539	6014.21	25.29
561	5/6/2008 12:38	1152.864	2.016986	11.53272	6014.22	25.28
562	5/6/2008 13:38	1152.927	2.018961	11.53027	6014.22	25.28
563	5/6/2008 14:38	1152.871	2.017035	11.52783	6014.22	25.28
564	5/6/2008 15:38	1152.994	2.021248	11.53272	6014.22	25.28
565	5/6/2008 16:38	1152.947	2.019528	11.52783	6014.22	25.28
566	5/6/2008 17:38	1152.761	2.013428	11.52783	6014.21	25.29
567	5/6/2008 18:38	1152.602	2.008218	11.52783	6014.21	25.29
568	5/6/2008 19:38	1152.124	1.992462	11.52539	6014.19	25.31
569	5/6/2008 20:38	1151.726	1.9796	11.53027	6014.18	25.32
570	5/6/2008 21:38	1151.51	1.972438	11.52783	6014.17	25.33
571	5/6/2008 22:38	1151.666	1.977547	11.52783	6014.18	25.32
572	5/6/2008 23:38	1151.915	1.985436	11.52051	6014.19	25.31
573	5/7/2008 0:38	1152.296	1.99783	11.51807	6014.20	25.30
574	5/7/2008 1:38	1152.575	2.00724	11.52539	6014.21	25.29
575	5/7/2008 2:38	1152.466	2.003578	11.52295	6014.20	25.30
576	5/7/2008 3:38	1152.07	1.990511	11.52051	6014.19	25.31
577	5/7/2008 4:38	1151.815	1.982246	11.52295	6014.18	25.32
578	5/7/2008 5:38	1151.835	1.982902	11.52295	6014.18	25.32
579	5/7/2008 6:38	1151.815	1.982068	11.51807	6014.18	25.32
580	5/7/2008 7:38	1151.881	1.98432	11.52051	6014.18	25.32
581	5/7/2008 8:38	1152.001	1.988252	11.52051	6014.19	25.31
582	5/7/2008 9:38	1152.047	1.98967	11.51807	6014.19	25.31
583	5/7/2008 10:38	1152.087	1.991071	11.52051	6014.19	25.31
584	5/7/2008 11:38	1152.303	1.998147	11.52051	6014.20	25.30
585	5/7/2008 12:38	1152.535	2.005664	11.51807	6014.21	25.29
586	5/7/2008 13:38	1152.725	2.012069	11.52295	6014.21	25.29
587	5/7/2008 14:38	1152.715	2.011482	11.51587	6014.21	25.29
588	5/7/2008 15:38	1152.798	2.014203	11.51587	6014.21	25.29
589	5/7/2008 16:38	1152.924	2.018333	11.51587	6014.22	25.28
590	5/7/2008 17:38	1152.648	2.009544	11.52295	6014.21	25.29
591	5/7/2008 18:38	1152.834	2.015464	11.51807	6014.22	25.28

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
592	5/7/2008 19:38	1152.708	2.011513	11.52295	6014.21	25.29
593	5/7/2008 20:38	1152.635	2.00903	11.52051	6014.21	25.29
594	5/7/2008 21:38	1152.376	2.00054	11.52051	6014.20	25.30
595	5/7/2008 22:38	1152.319	1.998582	11.51807	6014.20	25.30
596	5/7/2008 23:38	1152.366	2.000042	11.51587	6014.20	25.30
597	5/8/2008 0:38	1152.243	1.995924	11.51343	6014.20	25.30
598	5/8/2008 1:38	1152.349	1.999656	11.52051	6014.20	25.30
599	5/8/2008 2:38	1152.273	1.997163	11.52051	6014.20	25.30
600	5/8/2008 3:38	1152.27	1.996978	11.51807	6014.20	25.30
601	5/8/2008 4:38	1152.356	1.999714	11.51587	6014.20	25.30
602	5/8/2008 5:38	1152.362	1.999824	11.51343	6014.20	25.30
603	5/8/2008 6:38	1152.353	1.999528	11.51343	6014.20	25.30
604	5/8/2008 7:38	1152.333	1.998962	11.51587	6014.20	25.30
605	5/8/2008 8:38	1152.286	1.997243	11.51099	6014.20	25.30
606	5/8/2008 9:38	1152.296	1.997571	11.51099	6014.20	25.30
607	5/8/2008 10:38	1152.157	1.992916	11.5083	6014.19	25.31
608	5/8/2008 11:38	1152.246	1.99602	11.51343	6014.20	25.30
609	5/8/2008 12:38	1152.183	1.993768	11.5083	6014.19	25.31
610	5/8/2008 13:38	1152.445	2.002452	11.51099	6014.20	25.30
611	5/8/2008 14:38	1152.419	2.001501	11.5083	6014.20	25.30
612	5/8/2008 15:38	1152.007	1.988188	11.51343	6014.19	25.31
613	5/8/2008 16:38	1151.958	1.986397	11.5083	6014.19	25.31
614	5/8/2008 17:38	1151.765	1.980074	11.5083	6014.18	25.32
615	5/8/2008 18:38	1151.739	1.979321	11.51099	6014.18	25.32
616	5/8/2008 19:38	1151.672	1.977028	11.5083	6014.18	25.32
617	5/8/2008 20:38	1151.371	1.966999	11.50366	6014.17	25.33
618	5/8/2008 21:38	1151.036	1.956301	11.51099	6014.16	25.34
619	5/8/2008 22:38	1151.225	1.962219	11.50366	6014.16	25.34
620	5/8/2008 23:38	1151.447	1.96966	11.5083	6014.17	25.33
621	5/9/2008 0:38	1151.629	1.97562	11.5083	6014.18	25.32
622	5/9/2008 1:38	1151.928	1.985243	11.50366	6014.19	25.31
623	5/9/2008 2:38	1152.134	1.992164	11.5083	6014.19	25.31
624	5/9/2008 3:38	1152.15	1.992787	11.51099	6014.19	25.31
625	5/9/2008 4:38	1152.134	1.992164	11.5083	6014.19	25.31
626	5/9/2008 5:38	1152.15	1.992787	11.51099	6014.19	25.31
627	5/9/2008 6:38	1152.107	1.9912	11.50611	6014.19	25.31
628	5/9/2008 7:38	1152.144	1.992412	11.50611	6014.19	25.31
629	5/9/2008 8:38	1152.313	1.997948	11.50611	6014.20	25.30
630	5/9/2008 9:38	1152.442	2.001908	11.49878	6014.20	25.30
631	5/9/2008 10:38	1152.522	2.004708	11.50366	6014.20	25.30
632	5/9/2008 11:38	1152.615	2.007578	11.49878	6014.21	25.29
633	5/9/2008 12:38	1152.808	2.013816	11.49634	6014.21	25.29
634	5/9/2008 13:38	1152.917	2.017479	11.49878	6014.22	25.28
635	5/9/2008 14:38	1152.954	2.018961	11.50611	6014.22	25.28
636	5/9/2008 15:38	1152.967	2.01921	11.50122	6014.22	25.28

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
637	5/9/2008 16:38	1152.814	2.01437	11.50611	6014.21	25.29
638	5/9/2008 17:38	1152.449	2.002226	11.50122	6014.20	25.30
639	5/9/2008 18:38	1152.412	2.000924	11.49878	6014.20	25.30
640	5/9/2008 19:38	1152.253	1.995805	11.50122	6014.20	25.30
641	5/9/2008 20:38	1151.785	1.980381	11.49878	6014.18	25.32
642	5/9/2008 21:38	1151.089	1.957677	11.50122	6014.16	25.34
643	5/9/2008 22:38	1150.891	1.951107	11.49878	6014.15	25.35
644	5/9/2008 23:38	1151.523	1.971797	11.49878	6014.17	25.33
645	5/10/2008 0:38	1151.672	1.976589	11.49634	6014.18	25.32
646	5/10/2008 1:38	1152.034	1.988629	11.50122	6014.19	25.31
647	5/10/2008 2:38	1152.21	1.994393	11.50122	6014.19	25.31
648	5/10/2008 3:38	1152.067	1.989441	11.4939	6014.19	25.31
649	5/10/2008 4:38	1151.888	1.983842	11.50122	6014.18	25.32
650	5/10/2008 5:38	1151.825	1.98151	11.4939	6014.18	25.32
651	5/10/2008 6:38	1151.623	1.974986	11.49634	6014.17	25.33
652	5/10/2008 7:38	1151.497	1.970856	11.49634	6014.17	25.33
653	5/10/2008 8:38	1151.387	1.967165	11.4939	6014.17	25.33
654	5/10/2008 9:38	1151.5	1.970956	11.49634	6014.17	25.33
655	5/10/2008 10:38	1151.424	1.968466	11.49634	6014.17	25.33
656	5/10/2008 11:38	1151.318	1.964818	11.49146	6014.16	25.34
657	5/10/2008 12:38	1151.195	1.960968	11.49634	6014.16	25.34
658	5/10/2008 13:38	1151.066	1.956658	11.4939	6014.16	25.34
659	5/10/2008 14:38	1151.026	1.955347	11.4939	6014.16	25.34
660	5/10/2008 15:38	1151.202	1.96111	11.4939	6014.16	25.34
661	5/10/2008 16:38	1151.397	1.967582	11.49634	6014.17	25.33
662	5/10/2008 17:38	1151.391	1.967297	11.4939	6014.17	25.33
663	5/10/2008 18:38	1151.553	1.972602	11.4939	6014.17	25.33
664	5/10/2008 19:38	1151.593	1.974003	11.49634	6014.17	25.33
665	5/10/2008 20:38	1151.606	1.974158	11.48902	6014.17	25.33
666	5/10/2008 21:38	1151.414	1.968049	11.4939	6014.17	25.33
667	5/10/2008 22:38	1151.503	1.970788	11.48902	6014.17	25.33
668	5/10/2008 23:38	1151.556	1.972523	11.48902	6014.17	25.33
669	5/11/2008 0:38	1151.895	1.983627	11.48902	6014.18	25.32
670	5/11/2008 1:38	1152.183	1.993151	11.49146	6014.19	25.31
671	5/11/2008 2:38	1152.469	2.002524	11.49146	6014.20	25.30
672	5/11/2008 3:38	1152.485	2.002959	11.48902	6014.20	25.30
673	5/11/2008 4:38	1152.449	2.001868	11.49146	6014.20	25.30
674	5/11/2008 5:38	1152.442	2.001551	11.48902	6014.20	25.30
675	5/11/2008 6:38	1152.333	1.997978	11.48902	6014.20	25.30
676	5/11/2008 7:38	1152.213	1.994135	11.49146	6014.19	25.31
677	5/11/2008 8:38	1152.193	1.9933	11.48657	6014.19	25.31
678	5/11/2008 9:38	1152.227	1.994595	11.49146	6014.19	25.31
679	5/11/2008 10:38	1152.412	2.000656	11.49146	6014.20	25.30
680	5/11/2008 11:38	1152.376	1.999296	11.48657	6014.20	25.30
681	5/11/2008 12:38	1152.598	2.006405	11.48194	6014.21	25.29

Well No. 82108
Water Level Readings

G.S. Elev.	6039.5
Depth of Piezometer (ft)	27.3
Elev. Of Piezometer	6012.2

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
682	5/11/2008 13:38	1152.708	2.01018	11.48657	6014.21	25.29
683	5/11/2008 14:38	1152.774	2.012175	11.48194	6014.21	25.29
684	5/11/2008 15:38	1152.824	2.013902	11.48438	6014.21	25.29
685	5/11/2008 16:38	1152.911	2.016755	11.48438	6014.22	25.28
686	5/11/2008 17:38	1152.827	2.014002	11.48438	6014.21	25.29
687	5/11/2008 18:38	1152.711	2.01011	11.48194	6014.21	25.29
688	5/11/2008 19:38	1152.602	2.006626	11.48438	6014.21	25.29
689	5/11/2008 20:38	1152.492	2.002928	11.48194	6014.20	25.30
690	5/11/2008 21:38	1152.449	2.001519	11.48194	6014.20	25.30
691	5/11/2008 22:38	1152.485	2.002789	11.48438	6014.20	25.30
692	5/11/2008 23:38	1152.542	2.004568	11.48194	6014.20	25.30
693	5/12/2008 0:38	1152.701	2.009782	11.48194	6014.21	25.29
694	5/12/2008 1:38	1152.891	2.016099	11.48438	6014.22	25.28
695	5/12/2008 2:38	1152.951	2.017889	11.47949	6014.22	25.28
696	5/12/2008 3:38	1152.937	2.017519	11.48194	6014.22	25.28
697	5/12/2008 4:38	1152.814	2.013394	11.47949	6014.21	25.29
698	5/12/2008 5:38	1152.705	2.00991	11.48194	6014.21	25.29
699	5/12/2008 6:38	1152.545	2.004668	11.48194	6014.20	25.30
700	5/12/2008 7:38	1152.449	2.00143	11.47949	6014.20	25.30
701	5/12/2008 8:38	1152.445	2.001387	11.48194	6014.20	25.30
702	5/12/2008 9:38	1152.502	2.003166	11.47949	6014.20	25.30
703	5/12/2008 10:38	1152.628	2.007299	11.47949	6014.21	25.29
704	5/12/2008 11:38	1152.678	2.008847	11.47705	6014.21	25.29
	5/12 AVG				6014.21	25.29

Well No. 82208
Water Level Readings

G.S. Elev.	6027.8
Depth of Piezometer (ft)	33.85
Elev. Of Piezometer	5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
4	4/13/2008 11:06	1319.348	6.218357	13.15725	6000.17	27.63
5	4/13/2008 12:06	1319.476	6.223088	13.16018	6000.17	27.63
6	4/13/2008 13:06	1319.609	6.227823	13.15725	6000.18	27.62
7	4/13/2008 14:06	1319.683	6.230445	13.15529	6000.18	27.62
8	4/13/2008 15:06	1319.751	6.232829	13.15261	6000.18	27.62
9	4/13/2008 16:06	1319.789	6.234289	13.15529	6000.18	27.62
10	4/13/2008 17:06	1319.709	6.231153	13.14773	6000.18	27.62
11	4/13/2008 18:06	1319.569	6.22631	13.15529	6000.18	27.62
12	4/13/2008 19:06	1319.559	6.225711	13.14773	6000.18	27.62
13	4/13/2008 20:06	1319.488	6.223146	13.14797	6000.17	27.63
14	4/13/2008 21:06	1319.404	6.220016	13.14528	6000.17	27.63
15	4/13/2008 22:06	1319.448	6.221618	13.14553	6000.17	27.63
16	4/13/2008 23:06	1319.594	6.22683	13.14284	6000.18	27.62
	4/13 AVG				6000.18	27.62
17	4/14/2008 0:06	1319.707	6.230854	13.1404	6000.18	27.62
18	4/14/2008 1:06	1319.744	6.232279	13.14309	6000.18	27.62
19	4/14/2008 2:06	1319.846	6.235893	13.1404	6000.19	27.61
20	4/14/2008 3:06	1319.918	6.238354	13.13552	6000.19	27.61
21	4/14/2008 4:06	1319.886	6.237042	13.13064	6000.19	27.61
22	4/14/2008 5:06	1319.909	6.238039	13.13576	6000.19	27.61
23	4/14/2008 6:06	1319.845	6.23563	13.13308	6000.19	27.61
24	4/14/2008 7:06	1319.792	6.233555	13.12819	6000.18	27.62
25	4/14/2008 8:06	1319.813	6.234241	13.12575	6000.18	27.62
26	4/14/2008 9:06	1319.878	6.236685	13.12844	6000.19	27.61
27	4/14/2008 10:06	1319.894	6.237105	13.12331	6000.19	27.61
28	4/14/2008 11:06	1319.979	6.240044	13.11867	6000.19	27.61
29	4/14/2008 12:06	1320.064	6.243195	13.12087	6000.19	27.61
30	4/14/2008 13:06	1320.179	6.247231	13.11648	6000.20	27.60
31	4/14/2008 14:06	1320.237	6.249096	13.10866	6000.20	27.60
32	4/14/2008 15:06	1320.308	6.251746	13.1111	6000.20	27.60
33	4/14/2008 16:06	1320.36	6.253633	13.1111	6000.20	27.60
34	4/14/2008 17:06	1320.329	6.252523	13.11159	6000.20	27.60
35	4/14/2008 18:06	1320.359	6.253521	13.10866	6000.20	27.60
36	4/14/2008 19:06	1320.437	6.256429	13.1111	6000.21	27.59
37	4/14/2008 20:06	1320.348	6.25329	13.11403	6000.20	27.60
38	4/14/2008 21:06	1320.266	6.250146	13.10866	6000.20	27.60
39	4/14/2008 22:06	1320.122	6.244918	13.10866	6000.19	27.61
40	4/14/2008 23:06	1320.294	6.25116	13.10866	6000.20	27.60
41	4/15/2008 0:06	1320.453	6.256873	13.10671	6000.21	27.59
42	4/15/2008 1:06	1320.484	6.257762	13.09914	6000.21	27.59
43	4/15/2008 2:06	1320.526	6.259439	13.10402	6000.21	27.59
44	4/15/2008 3:06	1320.646	6.263726	13.10183	6000.21	27.59
45	4/15/2008 4:06	1320.657	6.263949	13.09621	6000.21	27.59
46	4/15/2008 5:06	1320.789	6.268916	13.10183	6000.22	27.58
47	4/15/2008 6:06	1320.762	6.267852	13.09914	6000.22	27.58
48	4/15/2008 7:06	1320.714	6.265958	13.09426	6000.22	27.58

Well No. 82208
Water Level Readings

G.S. Elev. 6027.8
Depth of Piezometer (ft) 33.85
Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
49	4/15/2008 8:06	1320.66	6.264076	13.0967	6000.21	27.59
50	4/15/2008 9:06	1320.72	6.266397	13.10134	6000.22	27.58
51	4/15/2008 10:06	1320.711	6.266012	13.09939	6000.22	27.58
52	4/15/2008 11:06	1320.728	6.266476	13.0945	6000.22	27.58
53	4/15/2008 12:06	1320.87	6.271554	13.09206	6000.22	27.58
54	4/15/2008 13:06	1321.004	6.276337	13.08938	6000.23	27.57
55	4/15/2008 14:06	1321.034	6.277511	13.09206	6000.23	27.57
56	4/15/2008 15:06	1320.988	6.27568	13.08693	6000.23	27.57
57	4/15/2008 16:06	1321.044	6.277634	13.08449	6000.23	27.57
58	4/15/2008 17:06	1320.903	6.272439	13.08205	6000.22	27.58
59	4/15/2008 18:06	1320.817	6.269562	13.08986	6000.22	27.58
60	4/15/2008 19:06	1320.777	6.267872	13.0823	6000.22	27.58
61	4/15/2008 20:06	1320.671	6.264026	13.0823	6000.21	27.59
62	4/15/2008 21:06	1320.479	6.257131	13.08474	6000.21	27.59
63	4/15/2008 22:06	1320.503	6.257852	13.07985	6000.21	27.59
64	4/15/2008 23:06	1320.223	6.247688	13.07985	6000.20	27.60
65	4/16/2008 0:06	1320.219	6.247389	13.07497	6000.20	27.60
66	4/16/2008 1:06	1320.165	6.245431	13.07497	6000.20	27.60
67	4/16/2008 2:06	1320.144	6.244586	13.07229	6000.19	27.61
68	4/16/2008 3:06	1319.639	6.226423	13.07741	6000.18	27.62
69	4/16/2008 4:06	1319.738	6.230007	13.07717	6000.18	27.62
70	4/16/2008 5:06	1319.73	6.22941	13.0674	6000.18	27.62
71	4/16/2008 6:06	1319.742	6.229768	13.06496	6000.18	27.62
72	4/16/2008 7:06	1319.855	6.234097	13.07229	6000.18	27.62
73	4/16/2008 8:06	1319.928	6.23667	13.06984	6000.19	27.61
74	4/16/2008 9:06	1320.035	6.240493	13.06789	6000.19	27.61
75	4/16/2008 10:06	1319.843	6.233435	13.06496	6000.18	27.62
76	4/16/2008 11:06	1319.606	6.224926	13.06789	6000.17	27.63
77	4/16/2008 12:06	1319.69	6.227881	13.06496	6000.18	27.62
78	4/16/2008 13:06	1319.655	6.226539	13.06252	6000.18	27.62
79	4/16/2008 14:06	1319.493	6.220663	13.06252	6000.17	27.63
80	4/16/2008 15:06	1319.575	6.223718	13.06521	6000.17	27.63
81	4/16/2008 16:06	1319.634	6.225625	13.05764	6000.18	27.62
82	4/16/2008 17:06	1319.611	6.224864	13.06008	6000.17	27.63
83	4/16/2008 18:06	1319.629	6.22552	13.06008	6000.18	27.62
84	4/16/2008 19:06	1319.596	6.224327	13.06032	6000.17	27.63
85	4/16/2008 20:06	1319.723	6.228777	13.0552	6000.18	27.62
86	4/16/2008 21:06	1319.564	6.22293	13.05275	6000.17	27.63
87	4/16/2008 22:06	1319.583	6.223698	13.0552	6000.17	27.63
88	4/16/2008 23:06	1319.728	6.228959	13.0552	6000.18	27.62
89	4/17/2008 0:06	1319.789	6.231092	13.05275	6000.18	27.62
90	4/17/2008 1:06	1319.864	6.233739	13.05031	6000.18	27.62
91	4/17/2008 2:06	1319.894	6.234829	13.05031	6000.18	27.62
92	4/17/2008 3:06	1319.892	6.234769	13.0508	6000.18	27.62
93	4/17/2008 4:06	1319.825	6.232261	13.04836	6000.18	27.62
94	4/17/2008 5:06	1319.747	6.229257	13.04275	6000.18	27.62

Well No. 82208
Water Level Readings

G.S. Elev. 6027.8
Depth of Piezometer (ft) 33.85
Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
95	4/17/2008 6:06	1319.705	6.227817	13.04543	6000.18	27.62
96	4/17/2008 7:06	1319.585	6.223555	13.04836	6000.17	27.63
97	4/17/2008 8:06	1319.556	6.222346	13.04323	6000.17	27.63
98	4/17/2008 9:06	1319.613	6.224566	13.04812	6000.17	27.63
99	4/17/2008 10:06	1319.655	6.225861	13.04079	6000.18	27.62
100	4/17/2008 11:06	1319.702	6.227726	13.04592	6000.18	27.62
101	4/17/2008 12:06	1319.825	6.231949	13.03835	6000.18	27.62
102	4/17/2008 13:06	1319.965	6.237189	13.04348	6000.19	27.61
103	4/17/2008 14:06	1320.019	6.239075	13.04104	6000.19	27.61
104	4/17/2008 15:06	1320.115	6.24248	13.03859	6000.19	27.61
105	4/17/2008 16:06	1320.104	6.242005	13.03615	6000.19	27.61
106	4/17/2008 17:06	1320.146	6.243529	13.03615	6000.19	27.61
107	4/17/2008 18:06	1320.066	6.240628	13.03615	6000.19	27.61
108	4/17/2008 19:06	1320	6.238148	13.03347	6000.19	27.61
109	4/17/2008 20:06	1319.975	6.237171	13.03127	6000.19	27.61
110	4/17/2008 21:06	1319.897	6.234341	13.03127	6000.18	27.62
111	4/17/2008 22:06	1319.984	6.237415	13.02859	6000.19	27.61
112	4/17/2008 23:06	1320.186	6.244899	13.03347	6000.19	27.61
113	4/18/2008 0:06	1320.284	6.248228	13.02614	6000.20	27.60
114	4/18/2008 1:06	1320.261	6.247314	13.0237	6000.20	27.60
115	4/18/2008 2:06	1320.322	6.249605	13.02614	6000.20	27.60
116	4/18/2008 3:06	1320.231	6.246224	13.0237	6000.20	27.60
117	4/18/2008 4:06	1320.249	6.24688	13.0237	6000.20	27.60
118	4/18/2008 5:06	1320.16	6.24365	13.0237	6000.19	27.61
119	4/18/2008 6:06	1320.149	6.243176	13.02126	6000.19	27.61
120	4/18/2008 7:06	1320.022	6.238564	13.02126	6000.19	27.61
121	4/18/2008 8:06	1319.998	6.23778	13.02395	6000.19	27.61
122	4/18/2008 9:06	1320.104	6.241549	13.0215	6000.19	27.61
123	4/18/2008 10:06	1320.08	6.240745	13.0237	6000.19	27.61
124	4/18/2008 11:06	1320.103	6.24159	13.02395	6000.19	27.61
125	4/18/2008 12:06	1320.235	6.246378	13.02395	6000.20	27.60
126	4/18/2008 13:06	1320.207	6.245287	13.0215	6000.20	27.60
127	4/18/2008 14:06	1320.221	6.245633	13.01638	6000.20	27.60
128	4/18/2008 15:06	1320.265	6.247232	13.01638	6000.20	27.60
129	4/18/2008 16:06	1320.397	6.252021	13.01638	6000.20	27.60
130	4/18/2008 17:06	1320.437	6.253322	13.0115	6000.20	27.60
131	4/18/2008 18:06	1320.395	6.251889	13.01442	6000.20	27.60
132	4/18/2008 19:06	1320.254	6.246772	13.01442	6000.20	27.60
133	4/18/2008 20:06	1320.12	6.24174	13.00905	6000.19	27.61
134	4/18/2008 21:06	1320.059	6.239449	13.00661	6000.19	27.61
135	4/18/2008 22:06	1320.097	6.240922	13.00954	6000.19	27.61
136	4/18/2008 23:06	1320.188	6.244139	13.00686	6000.19	27.61
137	4/19/2008 0:06	1320.103	6.241048	13.00661	6000.19	27.61
138	4/19/2008 1:06	1320.052	6.239204	13.00686	6000.19	27.61
139	4/19/2008 2:06	1320.143	6.242497	13.00661	6000.19	27.61
140	4/19/2008 3:06	1320.158	6.243118	13.00905	6000.19	27.61

Well No. 82208
Water Level Readings

G.S. Elev. 6027.8
Depth of Piezometer (ft) 33.85
Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
141	4/19/2008 4:06	1320.092	6.240581	13.00441	6000.19	27.61
142	4/19/2008 5:06	1320.158	6.242973	13.00441	6000.19	27.61
143	4/19/2008 6:06	1320.123	6.241714	13.00466	6000.19	27.61
144	4/19/2008 7:06	1320.104	6.240932	13.00173	6000.19	27.61
145	4/19/2008 8:06	1320.123	6.241714	13.00466	6000.19	27.61
146	4/19/2008 9:06	1320.158	6.242905	13.00222	6000.19	27.61
147	4/19/2008 10:06	1320.188	6.243994	13.00222	6000.19	27.61
148	4/19/2008 11:06	1320.252	6.246392	13.00466	6000.20	27.60
149	4/19/2008 12:06	1320.399	6.251578	12.99978	6000.20	27.60
150	4/19/2008 13:06	1320.611	6.259103	12.99441	6000.21	27.59
151	4/19/2008 14:06	1320.833	6.267027	12.99001	6000.22	27.58
152	4/19/2008 15:06	1320.816	6.266487	12.99245	6000.22	27.58
153	4/19/2008 16:06	1321.021	6.273929	12.99245	6000.22	27.58
154	4/19/2008 17:06	1320.782	6.265327	12.99489	6000.22	27.58
155	4/19/2008 18:06	1320.735	6.263468	12.99001	6000.21	27.59
156	4/19/2008 19:06	1320.591	6.258315	12.99245	6000.21	27.59
157	4/19/2008 20:06	1320.406	6.251442	12.98732	6000.20	27.60
158	4/19/2008 21:06	1320.308	6.24812	12.99489	6000.20	27.60
159	4/19/2008 22:06	1320.43	6.252551	12.99489	6000.20	27.60
160	4/19/2008 23:06	1320.526	6.256034	12.99489	6000.21	27.59
161	4/20/2008 0:06	1320.551	6.256942	12.99489	6000.21	27.59
162	4/20/2008 1:06	1320.526	6.256042	12.99514	6000.21	27.59
163	4/20/2008 2:06	1320.491	6.254762	12.99489	6000.20	27.60
164	4/20/2008 3:06	1320.519	6.255629	12.99001	6000.21	27.59
165	4/20/2008 4:06	1320.489	6.254463	12.98757	6000.20	27.60
166	4/20/2008 5:06	1320.514	6.255523	12.99245	6000.21	27.59
167	4/20/2008 6:06	1320.47	6.253764	12.98732	6000.20	27.60
168	4/20/2008 7:06	1320.404	6.251295	12.98488	6000.20	27.60
169	4/20/2008 8:06	1320.449	6.252933	12.98513	6000.20	27.60
170	4/20/2008 9:06	1320.411	6.251555	12.98513	6000.20	27.60
171	4/20/2008 10:06	1320.43	6.252162	12.98244	6000.20	27.60
172	4/20/2008 11:06	1320.418	6.251808	12.98513	6000.20	27.60
173	4/20/2008 12:06	1320.448	6.252898	12.98513	6000.20	27.60
174	4/20/2008 13:06	1320.477	6.253876	12.98269	6000.20	27.60
175	4/20/2008 14:06	1320.571	6.257212	12.98025	6000.21	27.59
176	4/20/2008 15:06	1320.493	6.254296	12.97756	6000.20	27.60
177	4/20/2008 16:06	1320.444	6.252522	12.9778	6000.20	27.60
178	4/20/2008 17:06	1320.298	6.247224	12.9778	6000.20	27.60
179	4/20/2008 18:06	1320.223	6.244344	12.97268	6000.19	27.61
180	4/20/2008 19:06	1320.08	6.239152	12.97268	6000.19	27.61
181	4/20/2008 20:06	1319.937	6.233904	12.97072	6000.18	27.62
182	4/20/2008 21:06	1319.773	6.227952	12.97072	6000.18	27.62
183	4/20/2008 22:06	1319.688	6.224778	12.96779	6000.17	27.63
184	4/20/2008 23:06	1319.597	6.221479	12.96779	6000.17	27.63
185	4/21/2008 0:06	1319.665	6.224258	12.9778	6000.17	27.63
186	4/21/2008 1:06	1319.451	6.216343	12.97292	6000.17	27.63

Well No. 82208
Water Level Readings

G.S. Elev. 6027.8
Depth of Piezometer (ft) 33.85
Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
187	4/21/2008 2:06	1319.343	6.212342	12.97024	6000.16	27.64
188	4/21/2008 3:06	1319.366	6.213174	12.97024	6000.16	27.64
189	4/21/2008 4:06	1319.467	6.216855	12.97072	6000.17	27.63
190	4/21/2008 5:06	1319.425	6.215256	12.96828	6000.17	27.63
191	4/21/2008 6:06	1319.442	6.215787	12.9656	6000.17	27.63
192	4/21/2008 7:06	1319.282	6.209907	12.96316	6000.16	27.64
193	4/21/2008 8:06	1319.291	6.210235	12.96316	6000.16	27.64
194	4/21/2008 9:06	1319.368	6.213188	12.96828	6000.16	27.64
195	4/21/2008 10:06	1319.395	6.213846	12.95803	6000.16	27.64
196	4/21/2008 11:06	1319.476	6.217102	12.96828	6000.17	27.63
197	4/21/2008 12:06	1319.585	6.220972	12.9656	6000.17	27.63
198	4/21/2008 13:06	1319.695	6.224741	12.95852	6000.17	27.63
199	4/21/2008 14:06	1319.792	6.228406	12.96316	6000.18	27.62
200	4/21/2008 15:06	1319.909	6.232813	12.96828	6000.18	27.62
201	4/21/2008 16:06	1319.939	6.233807	12.96535	6000.18	27.62
202	4/21/2008 17:06	1319.794	6.228477	12.96316	6000.18	27.62
203	4/21/2008 18:06	1319.547	6.219587	12.96535	6000.17	27.63
204	4/21/2008 19:06	1319.489	6.217416	12.96316	6000.17	27.63
205	4/21/2008 20:06	1319.334	6.211648	12.95852	6000.16	27.64
206	4/21/2008 21:06	1319.176	6.205767	12.95363	6000.16	27.64
207	4/21/2008 22:06	1319.148	6.204825	12.95607	6000.15	27.65
208	4/21/2008 23:06	1319.2	6.206414	12.94655	6000.16	27.64
209	4/22/2008 0:06	1319.291	6.209853	12.95095	6000.16	27.64
210	4/22/2008 1:06	1319.286	6.209817	12.95559	6000.16	27.64
211	4/22/2008 2:06	1319.312	6.21076	12.95559	6000.16	27.64
212	4/22/2008 3:06	1319.371	6.21305	12.96047	6000.16	27.64
213	4/22/2008 4:06	1319.458	6.216055	12.95559	6000.17	27.63
214	4/22/2008 5:06	1319.465	6.216162	12.95095	6000.17	27.63
215	4/22/2008 6:06	1319.448	6.215547	12.95095	6000.17	27.63
216	4/22/2008 7:06	1319.444	6.215546	12.95559	6000.17	27.63
217	4/22/2008 8:06	1319.411	6.214274	12.95315	6000.16	27.64
218	4/22/2008 9:06	1319.501	6.217316	12.94607	6000.17	27.63
219	4/22/2008 10:06	1319.521	6.217973	12.94387	6000.17	27.63
220	4/22/2008 11:06	1319.554	6.219329	12.949	6000.17	27.63
221	4/22/2008 12:06	1319.62	6.221725	12.949	6000.17	27.63
222	4/22/2008 13:06	1319.733	6.225657	12.94362	6000.18	27.62
223	4/22/2008 14:06	1319.761	6.226671	12.94362	6000.18	27.62
224	4/22/2008 15:06	1319.85	6.229984	12.94631	6000.18	27.62
225	4/22/2008 16:06	1319.939	6.232976	12.93874	6000.18	27.62
226	4/22/2008 17:06	1319.94	6.232935	12.9363	6000.18	27.62
227	4/22/2008 18:06	1319.911	6.231885	12.9363	6000.18	27.62
228	4/22/2008 19:06	1319.932	6.232571	12.93386	6000.18	27.62
229	4/22/2008 20:06	1319.838	6.22852	12.91335	6000.18	27.62
230	4/22/2008 21:06	1319.73	6.225242	12.93386	6000.18	27.62
231	4/22/2008 22:06	1319.726	6.225408	12.94387	6000.18	27.62
232	4/22/2008 23:06	1319.737	6.225727	12.94118	6000.18	27.62

Well No. 82208
Water Level Readings

G.S. Elev. 6027.8
Depth of Piezometer (ft) 33.85
Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
233	4/23/2008 0:06	1319.916	6.232227	12.94143	6000.18	27.62
234	4/23/2008 1:06	1320.026	6.236294	12.94387	6000.19	27.61
235	4/23/2008 2:06	1320.069	6.237854	12.94387	6000.19	27.61
236	4/23/2008 3:06	1320	6.235275	12.94143	6000.19	27.61
237	4/23/2008 4:06	1319.918	6.232145	12.93654	6000.18	27.62
238	4/23/2008 5:06	1320.083	6.23805	12.93386	6000.19	27.61
239	4/23/2008 6:06	1320.019	6.235653	12.93142	6000.19	27.61
240	4/23/2008 7:06	1319.944	6.233005	12.93386	6000.18	27.62
241	4/23/2008 8:06	1320.076	6.237798	12.93386	6000.19	27.61
242	4/23/2008 9:06	1320.193	6.242049	12.9341	6000.19	27.61
243	4/23/2008 10:06	1320.265	6.24451	12.92922	6000.19	27.61
244	4/23/2008 11:06	1320.348	6.247523	12.92922	6000.20	27.60
245	4/23/2008 12:06	1320.474	6.252096	12.92922	6000.20	27.60
246	4/23/2008 13:06	1320.641	6.258081	12.92678	6000.21	27.59
247	4/23/2008 14:06	1320.622	6.257306	12.92409	6000.21	27.59
248	4/23/2008 15:06	1320.666	6.25899	12.92678	6000.21	27.59
249	4/23/2008 16:06	1320.641	6.258073	12.92653	6000.21	27.59
250	4/23/2008 17:06	1320.65	6.258333	12.92434	6000.21	27.59
251	4/23/2008 18:06	1320.547	6.254517	12.9219	6000.20	27.60
252	4/23/2008 19:06	1320.483	6.252271	12.92434	6000.20	27.60
253	4/23/2008 20:06	1320.442	6.250782	12.92434	6000.20	27.60
254	4/23/2008 21:06	1320.195	6.241815	12.92434	6000.19	27.61
255	4/23/2008 22:06	1320.04	6.236194	12.92434	6000.19	27.61
256	4/23/2008 23:06	1320.048	6.236474	12.92409	6000.19	27.61
257	4/24/2008 0:06	1320.028	6.235831	12.92678	6000.19	27.61
258	4/24/2008 1:06	1320.033	6.236005	12.92653	6000.19	27.61
259	4/24/2008 2:06	1320.001	6.234852	12.92678	6000.18	27.62
260	4/24/2008 3:06	1320.068	6.23736	12.92922	6000.19	27.61
261	4/24/2008 4:06	1320.099	6.238326	12.92409	6000.19	27.61
262	4/24/2008 5:06	1320.08	6.237642	12.92434	6000.19	27.61
263	4/24/2008 6:06	1319.961	6.23332	12.92409	6000.18	27.62
264	4/24/2008 7:06	1319.97	6.233567	12.92165	6000.18	27.62
265	4/24/2008 8:06	1320.014	6.235174	12.9219	6000.19	27.61
266	4/24/2008 9:06	1320.069	6.237083	12.91921	6000.19	27.61
267	4/24/2008 10:06	1320.202	6.242072	12.92434	6000.19	27.61
268	4/24/2008 11:06	1320.252	6.243884	12.92434	6000.19	27.61
269	4/24/2008 12:06	1320.415	6.249803	12.92434	6000.20	27.60
270	4/24/2008 13:06	1320.496	6.252741	12.92434	6000.20	27.60
271	4/24/2008 14:06	1320.551	6.254503	12.91677	6000.20	27.60
272	4/24/2008 15:06	1320.561	6.25495	12.91945	6000.20	27.60
273	4/24/2008 16:06	1320.395	6.248847	12.91701	6000.20	27.60
274	4/24/2008 17:06	1320.411	6.249268	12.91189	6000.20	27.60
275	4/24/2008 18:06	1320.317	6.245795	12.90993	6000.20	27.60
276	4/24/2008 19:06	1320.28	6.244598	12.91457	6000.19	27.61
277	4/24/2008 20:06	1319.603	6.219957	12.91213	6000.17	27.63
278	4/24/2008 21:06	1319.524	6.217321	12.91945	6000.17	27.63

Well No. 82208
Water Level Readings

G.S. Elev. 6027.8
Depth of Piezometer (ft) 33.85
Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
279	4/24/2008 22:06	1319.315	6.209661	12.91701	6000.16	27.64
280	4/24/2008 23:06	1319.446	6.21434	12.91457	6000.16	27.64
281	4/25/2008 0:06	1319.498	6.216081	12.90993	6000.17	27.63
282	4/25/2008 1:06	1319.461	6.214648	12.907	6000.16	27.64
283	4/25/2008 2:06	1319.317	6.209424	12.907	6000.16	27.64
284	4/25/2008 3:06	1319.435	6.213628	12.90456	6000.16	27.64
285	4/25/2008 4:06	1319.486	6.215551	12.907	6000.17	27.63
286	4/25/2008 5:06	1319.606	6.219751	12.90212	6000.17	27.63
287	4/25/2008 6:06	1319.552	6.217885	12.90505	6000.17	27.63
288	4/25/2008 7:06	1319.653	6.221532	12.90456	6000.17	27.63
289	4/25/2008 8:06	1319.578	6.218829	12.90505	6000.17	27.63
290	4/25/2008 9:06	1319.653	6.221547	12.90505	6000.17	27.63
291	4/25/2008 10:06	1319.636	6.220771	12.89992	6000.17	27.63
292	4/25/2008 11:06	1319.646	6.221219	12.90261	6000.17	27.63
293	4/25/2008 12:06	1319.839	6.22806	12.89748	6000.18	27.62
294	4/25/2008 13:06	1319.939	6.231771	12.90017	6000.18	27.62
295	4/25/2008 14:06	1319.981	6.233287	12.89992	6000.18	27.62
296	4/25/2008 15:06	1319.998	6.233991	12.90261	6000.18	27.62
297	4/25/2008 16:06	1320.003	6.234097	12.90017	6000.18	27.62
298	4/25/2008 17:06	1319.968	6.232749	12.89773	6000.18	27.62
299	4/25/2008 18:06	1319.909	6.230602	12.89748	6000.18	27.62
300	4/25/2008 19:06	1319.885	6.229737	12.89773	6000.18	27.62
301	4/25/2008 20:06	1319.801	6.226767	12.90017	6000.18	27.62
302	4/25/2008 21:06	1319.742	6.224699	12.90261	6000.17	27.63
303	4/25/2008 22:06	1319.669	6.222051	12.90261	6000.17	27.63
304	4/25/2008 23:06	1319.766	6.225419	12.89773	6000.18	27.62
305	4/26/2008 0:06	1319.679	6.222338	12.90017	6000.17	27.63
306	4/26/2008 1:06	1319.77	6.225557	12.89748	6000.18	27.62
307	4/26/2008 2:06	1319.85	6.22839	12.89528	6000.18	27.62
308	4/26/2008 3:06	1319.968	6.232665	12.89504	6000.18	27.62
309	4/26/2008 4:06	1319.831	6.22778	12.89773	6000.18	27.62
310	4/26/2008 5:06	1319.778	6.225769	12.89504	6000.18	27.62
311	4/26/2008 6:06	1319.649	6.221253	12.90017	6000.17	27.63
312	4/26/2008 7:06	1319.609	6.21964	12.89504	6000.17	27.63
313	4/26/2008 8:06	1319.451	6.213682	12.88772	6000.16	27.64
314	4/26/2008 9:06	1319.333	6.209401	12.88772	6000.16	27.64
315	4/26/2008 10:06	1319.174	6.203717	12.8904	6000.15	27.65
316	4/26/2008 11:06	1319.052	6.199371	12.89284	6000.15	27.65
317	4/26/2008 12:06	1318.96	6.195958	12.8904	6000.15	27.65
318	4/26/2008 13:06	1319.194	6.204519	12.89284	6000.15	27.65
319	4/26/2008 14:06	1319.3	6.208289	12.8904	6000.16	27.64
320	4/26/2008 15:06	1319.442	6.213362	12.88796	6000.16	27.64
321	4/26/2008 16:06	1319.54	6.216994	12.8904	6000.17	27.63
322	4/26/2008 17:06	1319.535	6.216652	12.88527	6000.17	27.63
323	4/26/2008 18:06	1319.488	6.215024	12.88772	6000.17	27.63
324	4/26/2008 19:06	1319.509	6.215945	12.89284	6000.17	27.63

Well No. 82208
Water Level Readings

G.S. Elev. 6027.8
Depth of Piezometer (ft) 33.85
Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
325	4/26/2008 20:06	1319.385	6.211523	12.89528	6000.16	27.64
326	4/26/2008 21:06	1319.331	6.20933	12.88772	6000.16	27.64
327	4/26/2008 22:06	1319.214	6.205168	12.8904	6000.16	27.64
328	4/26/2008 23:06	1319.134	6.202185	12.88772	6000.15	27.65
329	4/27/2008 0:06	1318.812	6.190586	12.89016	6000.14	27.66
330	4/27/2008 1:06	1318.877	6.192711	12.88283	6000.14	27.66
331	4/27/2008 2:06	1319.07	6.199785	12.88527	6000.15	27.65
332	4/27/2008 3:06	1319.268	6.206889	12.88283	6000.16	27.64
333	4/27/2008 4:06	1319.246	6.206092	12.88283	6000.16	27.64
334	4/27/2008 5:06	1319.427	6.212657	12.88283	6000.16	27.64
335	4/27/2008 6:06	1319.413	6.212224	12.88527	6000.16	27.64
336	4/27/2008 7:06	1319.402	6.21175	12.88283	6000.16	27.64
337	4/27/2008 8:06	1319.448	6.213503	12.88552	6000.16	27.64
338	4/27/2008 9:06	1319.421	6.212516	12.88527	6000.16	27.64
339	4/27/2008 10:06	1319.526	6.216248	12.88283	6000.17	27.63
340	4/27/2008 11:06	1319.561	6.217366	12.87795	6000.17	27.63
341	4/27/2008 12:06	1319.676	6.221622	12.88064	6000.17	27.63
342	4/27/2008 13:06	1319.831	6.227322	12.88308	6000.18	27.62
343	4/27/2008 14:06	1319.822	6.226918	12.88064	6000.18	27.62
344	4/27/2008 15:06	1319.916	6.230252	12.87819	6000.18	27.62
345	4/27/2008 16:06	1319.947	6.231453	12.88064	6000.18	27.62
346	4/27/2008 17:06	1319.89	6.229156	12.87331	6000.18	27.62
347	4/27/2008 18:06	1319.845	6.227674	12.87819	6000.18	27.62
348	4/27/2008 19:06	1319.832	6.227128	12.87575	6000.18	27.62
349	4/27/2008 20:06	1319.773	6.224985	12.87575	6000.17	27.63
350	4/27/2008 21:06	1319.609	6.218961	12.87331	6000.17	27.63
351	4/27/2008 22:06	1319.622	6.219507	12.87575	6000.17	27.63
352	4/27/2008 23:06	1319.721	6.223098	12.87575	6000.17	27.63
353	4/28/2008 0:06	1319.836	6.227274	12.87575	6000.18	27.62
354	4/28/2008 1:06	1319.925	6.230503	12.87575	6000.18	27.62
355	4/28/2008 2:06	1320.001	6.233258	12.87575	6000.18	27.62
356	4/28/2008 3:06	1320.059	6.235362	12.87575	6000.19	27.61
357	4/28/2008 4:06	1320.024	6.23395	12.87111	6000.18	27.62
358	4/28/2008 5:06	1319.968	6.231825	12.86818	6000.18	27.62
359	4/28/2008 6:06	1319.975	6.232086	12.86843	6000.18	27.62
360	4/28/2008 7:06	1319.89	6.229156	12.87331	6000.18	27.62
361	4/28/2008 8:06	1319.907	6.229688	12.87063	6000.18	27.62
362	4/28/2008 9:06	1319.883	6.228903	12.87331	6000.18	27.62
363	4/28/2008 10:06	1319.867	6.22825	12.87111	6000.18	27.62
364	4/28/2008 11:06	1319.902	6.229277	12.8633	6000.18	27.62
365	4/28/2008 12:06	1320.031	6.233806	12.85842	6000.18	27.62
366	4/28/2008 13:06	1320.127	6.237364	12.86086	6000.19	27.61
367	4/28/2008 14:06	1320.103	6.236656	12.86599	6000.19	27.61
368	4/28/2008 15:06	1320.148	6.238302	12.86648	6000.19	27.61
369	4/28/2008 16:06	1320.246	6.241775	12.86379	6000.19	27.61
370	4/28/2008 17:06	1320.181	6.239418	12.86379	6000.19	27.61

Well No. 82208
Water Level Readings

G.S. Elev. 6027.8
Depth of Piezometer (ft) 33.85
Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
371	4/28/2008 18:06	1320.132	6.237637	12.86379	6000.19	27.61
372	4/28/2008 19:06	1320.127	6.23744	12.8633	6000.19	27.61
373	4/28/2008 20:06	1320.001	6.232793	12.86086	6000.18	27.62
374	4/28/2008 21:06	1319.904	6.229276	12.86086	6000.18	27.62
375	4/28/2008 22:06	1319.907	6.229397	12.86135	6000.18	27.62
376	4/28/2008 23:06	1319.972	6.231667	12.85842	6000.18	27.62
377	4/29/2008 0:06	1320.04	6.234225	12.86135	6000.18	27.62
378	4/29/2008 1:06	1320.089	6.23591	12.85842	6000.19	27.61
379	4/29/2008 2:06	1320.134	6.237468	12.85598	6000.19	27.61
380	4/29/2008 3:06	1320.132	6.237561	12.86135	6000.19	27.61
381	4/29/2008 4:06	1320.109	6.236873	12.86599	6000.19	27.61
382	4/29/2008 5:06	1320.087	6.236007	12.86379	6000.19	27.61
383	4/29/2008 6:06	1320.104	6.236623	12.86379	6000.19	27.61
384	4/29/2008 7:06	1320.007	6.232949	12.85891	6000.18	27.62
385	4/29/2008 8:06	1319.97	6.231606	12.85891	6000.18	27.62
386	4/29/2008 9:06	1320.052	6.234583	12.85891	6000.18	27.62
387	4/29/2008 10:06	1320.125	6.237156	12.85647	6000.19	27.61
388	4/29/2008 11:06	1320.242	6.241476	12.85891	6000.19	27.61
389	4/29/2008 12:06	1320.399	6.247254	12.86135	6000.20	27.60
390	4/29/2008 13:06	1320.526	6.25171	12.85647	6000.20	27.60
391	4/29/2008 14:06	1320.496	6.250452	12.85109	6000.20	27.60
392	4/29/2008 15:06	1320.69	6.257661	12.85647	6000.21	27.59
393	4/29/2008 16:06	1320.802	6.26173	12.85647	6000.21	27.59
394	4/29/2008 17:06	1320.816	6.262239	12.85647	6000.21	27.59
395	4/29/2008 18:06	1320.819	6.262346	12.85647	6000.21	27.59
396	4/29/2008 19:06	1320.84	6.26294	12.85109	6000.21	27.59
397	4/29/2008 20:06	1320.762	6.2602	12.85402	6000.21	27.59
398	4/29/2008 21:06	1320.626	6.25511	12.84914	6000.21	27.59
399	4/29/2008 22:06	1320.585	6.253697	12.85158	6000.20	27.60
400	4/29/2008 23:06	1320.725	6.258704	12.84914	6000.21	27.59
401	4/30/2008 0:06	1320.817	6.261962	12.84646	6000.21	27.59
402	4/30/2008 1:06	1320.915	6.26559	12.84865	6000.22	27.58
403	4/30/2008 2:06	1321.056	6.270565	12.84401	6000.22	27.58
404	4/30/2008 3:06	1321.013	6.269076	12.84646	6000.22	27.58
405	4/30/2008 4:06	1320.936	6.266291	12.8467	6000.22	27.58
406	4/30/2008 5:06	1320.87	6.263969	12.84914	6000.21	27.59
407	4/30/2008 6:06	1320.805	6.261535	12.8467	6000.21	27.59
408	4/30/2008 7:06	1320.683	6.256943	12.84157	6000.21	27.59
409	4/30/2008 8:06	1320.686	6.256901	12.83669	6000.21	27.59
410	4/30/2008 9:06	1320.709	6.257971	12.84426	6000.21	27.59
411	4/30/2008 10:06	1320.789	6.260874	12.84426	6000.21	27.59
412	4/30/2008 11:06	1320.833	6.262474	12.84426	6000.21	27.59
413	4/30/2008 12:06	1320.922	6.265781	12.8467	6000.22	27.58
414	4/30/2008 13:06	1321.055	6.270537	12.84426	6000.22	27.58
415	4/30/2008 14:06	1321.095	6.27191	12.84182	6000.22	27.58
416	4/30/2008 15:06	1321.175	6.274734	12.83913	6000.22	27.58

Well No. 82208
Water Level Readings

G.S. Elev. 6027.8
Depth of Piezometer (ft) 33.85
Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
417	4/30/2008 16:06	1321.334	6.28066	12.84401	6000.23	27.57
418	4/30/2008 17:06	1321.318	6.280079	12.84401	6000.23	27.57
419	4/30/2008 18:06	1321.154	6.274132	12.84426	6000.22	27.58
420	4/30/2008 19:06	1320.807	6.261454	12.84182	6000.21	27.59
421	4/30/2008 20:06	1320.795	6.261172	12.8467	6000.21	27.59
422	4/30/2008 21:06	1320.47	6.249218	12.84182	6000.20	27.60
423	4/30/2008 22:06	1320.331	6.2441	12.83938	6000.19	27.61
424	4/30/2008 23:06	1320.144	6.237389	12.84182	6000.19	27.61
425	5/1/2008 0:06	1320.028	6.2331	12.83938	6000.18	27.62
426	5/1/2008 1:06	1320.01	6.232365	12.83669	6000.18	27.62
427	5/1/2008 2:06	1320.09	6.235266	12.83669	6000.19	27.61
428	5/1/2008 3:06	1320.435	6.247867	12.83913	6000.20	27.60
429	5/1/2008 4:06	1320.308	6.243186	12.83693	6000.19	27.61
430	5/1/2008 5:06	1320.364	6.245059	12.83181	6000.20	27.60
431	5/1/2008 6:06	1320.341	6.244298	12.83425	6000.19	27.61
432	5/1/2008 7:06	1320.312	6.243248	12.83425	6000.19	27.61
433	5/1/2008 8:06	1320.217	6.239809	12.83449	6000.19	27.61
434	5/1/2008 9:06	1320.122	6.236427	12.83669	6000.19	27.61
435	5/1/2008 10:06	1320.249	6.241038	12.83669	6000.19	27.61
436	5/1/2008 11:06	1320.27	6.2418	12.83669	6000.19	27.61
437	5/1/2008 12:06	1320.371	6.245388	12.83425	6000.20	27.60
438	5/1/2008 13:06	1320.359	6.245038	12.83693	6000.20	27.60
439	5/1/2008 14:06	1320.256	6.241222	12.83449	6000.19	27.61
440	5/1/2008 15:06	1320.137	6.236979	12.83693	6000.19	27.61
441	5/1/2008 16:06	1320.087	6.235084	12.83425	6000.19	27.61
442	5/1/2008 17:06	1320.01	6.232289	12.83425	6000.18	27.62
443	5/1/2008 18:06	1319.987	6.23138	12.83181	6000.18	27.62
444	5/1/2008 19:06	1319.994	6.231632	12.83181	6000.18	27.62
445	5/1/2008 20:06	1320.085	6.235092	12.83693	6000.19	27.61
446	5/1/2008 21:06	1320.054	6.233891	12.83449	6000.18	27.62
447	5/1/2008 22:06	1320.186	6.2386	12.83181	6000.19	27.61
448	5/1/2008 23:06	1320.315	6.243286	12.83205	6000.19	27.61
449	5/2/2008 0:06	1320.404	6.246444	12.82961	6000.20	27.60
450	5/2/2008 1:06	1320.369	6.245241	12.83181	6000.20	27.60
451	5/2/2008 2:06	1320.343	6.244221	12.82937	6000.19	27.61
452	5/2/2008 3:06	1320.413	6.246912	12.83425	6000.20	27.60
453	5/2/2008 4:06	1320.313	6.243207	12.83181	6000.19	27.61
454	5/2/2008 5:06	1320.43	6.24754	12.83449	6000.20	27.60
455	5/2/2008 6:06	1320.224	6.239902	12.82937	6000.19	27.61
456	5/2/2008 7:06	1320.249	6.240733	12.82692	6000.19	27.61
457	5/2/2008 8:06	1320.136	6.236631	12.82692	6000.19	27.61
458	5/2/2008 9:06	1320.268	6.24142	12.82692	6000.19	27.61
459	5/2/2008 10:06	1319.975	6.230872	12.82961	6000.18	27.62
460	5/2/2008 11:06	1319.956	6.23011	12.82717	6000.18	27.62
461	5/2/2008 12:06	1319.777	6.223604	12.82692	6000.17	27.63
462	5/2/2008 13:06	1319.542	6.215004	12.82448	6000.17	27.63

Well No. 82208
Water Level Readings

G.S. Elev. 6027.8
Depth of Piezometer (ft) 33.85
Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
463	5/2/2008 14:06	1319.517	6.21402	12.82204	6000.16	27.64
464	5/2/2008 15:06	1319.329	6.207362	12.82717	6000.16	27.64
465	5/2/2008 16:06	1319.26	6.204861	12.82717	6000.15	27.65
466	5/2/2008 17:06	1319.051	6.197206	12.82473	6000.15	27.65
467	5/2/2008 18:06	1319.056	6.197311	12.82229	6000.15	27.65
468	5/2/2008 19:06	1318.993	6.194943	12.8196	6000.14	27.66
469	5/2/2008 20:06	1318.882	6.191	12.82229	6000.14	27.66
470	5/2/2008 21:06	1318.823	6.188778	12.8196	6000.14	27.66
471	5/2/2008 22:06	1318.861	6.190155	12.8196	6000.14	27.66
472	5/2/2008 23:06	1319.025	6.196187	12.82229	6000.15	27.65
473	5/3/2008 0:06	1319.167	6.201266	12.82009	6000.15	27.65
474	5/3/2008 1:06	1319.22	6.203027	12.81496	6000.15	27.65
475	5/3/2008 2:06	1319.322	6.206797	12.81716	6000.16	27.64
476	5/3/2008 3:06	1319.303	6.206182	12.8196	6000.16	27.64
477	5/3/2008 4:06	1319.303	6.206259	12.82204	6000.16	27.64
478	5/3/2008 5:06	1319.458	6.211957	12.82448	6000.16	27.64
479	5/3/2008 6:06	1319.448	6.211442	12.8196	6000.16	27.64
480	5/3/2008 7:06	1319.434	6.210933	12.8196	6000.16	27.64
481	5/3/2008 8:06	1319.395	6.209444	12.81716	6000.16	27.64
482	5/3/2008 9:06	1319.428	6.210639	12.81716	6000.16	27.64
483	5/3/2008 10:06	1319.432	6.210862	12.8196	6000.16	27.64
484	5/3/2008 11:06	1319.495	6.213231	12.82229	6000.16	27.64
485	5/3/2008 12:06	1319.622	6.217767	12.82009	6000.17	27.63
486	5/3/2008 13:06	1319.674	6.219569	12.8174	6000.17	27.63
487	5/3/2008 14:06	1319.724	6.221385	12.8174	6000.17	27.63
488	5/3/2008 15:06	1319.763	6.222797	12.8174	6000.17	27.63
489	5/3/2008 16:06	1319.773	6.223245	12.82009	6000.17	27.63
490	5/3/2008 17:06	1319.763	6.222797	12.8174	6000.17	27.63
491	5/3/2008 18:06	1319.702	6.220435	12.81252	6000.17	27.63
492	5/3/2008 19:06	1319.627	6.217711	12.81252	6000.17	27.63
493	5/3/2008 20:06	1319.549	6.214813	12.81032	6000.16	27.64
494	5/3/2008 21:06	1319.46	6.211586	12.81032	6000.16	27.64
495	5/3/2008 22:06	1319.371	6.208205	12.80544	6000.16	27.64
496	5/3/2008 23:06	1319.428	6.210411	12.80984	6000.16	27.64
497	5/4/2008 0:06	1319.401	6.2096	12.81521	6000.16	27.64
498	5/4/2008 1:06	1319.465	6.21192	12.81521	6000.16	27.64
499	5/4/2008 2:06	1319.535	6.214377	12.81252	6000.16	27.64
500	5/4/2008 3:06	1319.489	6.212625	12.80984	6000.16	27.64
501	5/4/2008 4:06	1319.488	6.212436	12.80495	6000.16	27.64
502	5/4/2008 5:06	1319.416	6.209977	12.80984	6000.16	27.64
503	5/4/2008 6:06	1319.298	6.205696	12.80984	6000.16	27.64
504	5/4/2008 7:06	1319.18	6.201358	12.80788	6000.15	27.65
505	5/4/2008 8:06	1319.143	6.200089	12.81032	6000.15	27.65
506	5/4/2008 9:06	1319.127	6.199578	12.81252	6000.15	27.65
507	5/4/2008 10:06	1319.22	6.202882	12.81032	6000.15	27.65
508	5/4/2008 11:06	1319.211	6.202559	12.81032	6000.15	27.65

Well No. 82208
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Depth of Piezometer (ft) 33.85
Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
509	5/4/2008 12:06	1319.234	6.203391	12.81032	6000.15	27.65
510	5/4/2008 13:06	1319.324	6.206501	12.80544	6000.16	27.64
511	5/4/2008 14:06	1319.328	6.206647	12.80544	6000.16	27.64
512	5/4/2008 15:06	1319.355	6.207473	12.80056	6000.16	27.64
513	5/4/2008 16:06	1319.303	6.205663	12.803	6000.16	27.64
514	5/4/2008 17:06	1319.303	6.205663	12.803	6000.16	27.64
515	5/4/2008 18:06	1319.235	6.203197	12.803	6000.15	27.65
516	5/4/2008 19:06	1319.181	6.201165	12.80056	6000.15	27.65
517	5/4/2008 20:06	1319.129	6.199355	12.803	6000.15	27.65
518	5/4/2008 21:06	1318.992	6.194385	12.803	6000.14	27.66
519	5/4/2008 22:06	1319	6.194753	12.80544	6000.14	27.66
520	5/4/2008 23:06	1318.999	6.194633	12.80275	6000.14	27.66
521	5/5/2008 0:06	1319.014	6.195186	12.803	6000.15	27.65
522	5/5/2008 1:06	1318.953	6.192896	12.80056	6000.14	27.66
523	5/5/2008 2:06	1319.092	6.198014	12.803	6000.15	27.65
524	5/5/2008 3:06	1319.199	6.201891	12.803	6000.15	27.65
525	5/5/2008 4:06	1319.19	6.201556	12.80275	6000.15	27.65
526	5/5/2008 5:06	1319.117	6.198917	12.803	6000.15	27.65
527	5/5/2008 6:06	1319.11	6.198512	12.79812	6000.15	27.65
528	5/5/2008 7:06	1319.058	6.19639	12.79055	6000.15	27.65
529	5/5/2008 8:06	1319.019	6.195138	12.79567	6000.15	27.65
530	5/5/2008 9:06	1319.066	6.196918	12.79812	6000.15	27.65
531	5/5/2008 10:06	1319.077	6.197225	12.79519	6000.15	27.65
532	5/5/2008 11:06	1319.099	6.198037	12.79567	6000.15	27.65
533	5/5/2008 12:06	1319.178	6.200825	12.79323	6000.15	27.65
534	5/5/2008 13:06	1319.176	6.20083	12.79567	6000.15	27.65
535	5/5/2008 14:06	1319.216	6.202201	12.79323	6000.15	27.65
536	5/5/2008 15:06	1319.279	6.204413	12.79079	6000.15	27.65
537	5/5/2008 16:06	1319.42	6.209527	12.79079	6000.16	27.64
538	5/5/2008 17:06	1319.458	6.21098	12.79323	6000.16	27.64
539	5/5/2008 18:06	1319.458	6.21098	12.79323	6000.16	27.64
540	5/5/2008 19:06	1319.451	6.210728	12.79323	6000.16	27.64
541	5/5/2008 20:06	1319.371	6.207747	12.79079	6000.16	27.64
542	5/5/2008 21:06	1319.272	6.204233	12.79323	6000.15	27.65
543	5/5/2008 22:06	1319.206	6.201766	12.79079	6000.15	27.65
544	5/5/2008 23:06	1319.317	6.205867	12.79323	6000.16	27.64
545	5/6/2008 0:06	1319.324	6.205966	12.78835	6000.16	27.64
546	5/6/2008 1:06	1319.423	6.209481	12.78591	6000.16	27.64
547	5/6/2008 2:06	1319.516	6.212847	12.78566	6000.16	27.64
548	5/6/2008 3:06	1319.569	6.214929	12.79079	6000.16	27.64
549	5/6/2008 4:06	1319.392	6.208356	12.78591	6000.16	27.64
550	5/6/2008 5:06	1319.348	6.206915	12.79079	6000.16	27.64
551	5/6/2008 6:06	1319.326	6.205881	12.78322	6000.16	27.64
552	5/6/2008 7:06	1319.228	6.202411	12.78591	6000.15	27.65
553	5/6/2008 8:06	1319.274	6.204072	12.78566	6000.15	27.65
554	5/6/2008 9:06	1319.277	6.204185	12.78591	6000.15	27.65

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Depth of Piezometer (ft) 33.85
Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
555	5/6/2008 10:06	1319.329	6.205987	12.78322	6000.16	27.64
556	5/6/2008 11:06	1319.331	6.206147	12.78591	6000.16	27.64
557	5/6/2008 12:06	1319.383	6.207956	12.78347	6000.16	27.64
558	5/6/2008 13:06	1319.495	6.21194	12.78103	6000.16	27.64
559	5/6/2008 14:06	1319.408	6.208936	12.78591	6000.16	27.64
560	5/6/2008 15:06	1319.47	6.211185	12.78591	6000.16	27.64
561	5/6/2008 16:06	1319.559	6.214566	12.79079	6000.16	27.64
562	5/6/2008 17:06	1319.42	6.209451	12.78835	6000.16	27.64
563	5/6/2008 18:06	1319.472	6.211253	12.78566	6000.16	27.64
564	5/6/2008 19:06	1319.244	6.202906	12.78322	6000.15	27.65
565	5/6/2008 20:06	1318.941	6.192004	12.78591	6000.14	27.66
566	5/6/2008 21:06	1318.792	6.186364	12.77834	6000.14	27.66
567	5/6/2008 22:06	1318.818	6.187467	12.78347	6000.14	27.66
568	5/6/2008 23:06	1318.872	6.189186	12.7759	6000.14	27.66
569	5/7/2008 0:06	1318.948	6.192104	12.78103	6000.14	27.66
570	5/7/2008 1:06	1319.181	6.200469	12.77834	6000.15	27.65
571	5/7/2008 2:06	1319.16	6.199708	12.77834	6000.15	27.65
572	5/7/2008 3:06	1318.96	6.192538	12.78103	6000.14	27.66
573	5/7/2008 4:06	1318.713	6.183738	12.78591	6000.13	27.67
574	5/7/2008 5:06	1318.825	6.187719	12.78347	6000.14	27.66
575	5/7/2008 6:06	1318.779	6.185971	12.78078	6000.14	27.66
576	5/7/2008 7:06	1318.751	6.184961	12.78103	6000.13	27.67
577	5/7/2008 8:06	1318.722	6.183836	12.77859	6000.13	27.67
578	5/7/2008 9:06	1318.75	6.18485	12.77859	6000.13	27.67
579	5/7/2008 10:06	1318.729	6.184004	12.7759	6000.13	27.67
580	5/7/2008 11:06	1318.779	6.185666	12.77102	6000.14	27.66
581	5/7/2008 12:06	1318.908	6.190423	12.7737	6000.14	27.66
582	5/7/2008 13:06	1319.025	6.194599	12.7715	6000.14	27.66
583	5/7/2008 14:06	1318.993	6.193439	12.7715	6000.14	27.66
584	5/7/2008 15:06	1319.054	6.195716	12.7737	6000.15	27.65
585	5/7/2008 16:06	1319.216	6.201735	12.77834	6000.15	27.65
586	5/7/2008 17:06	1319.181	6.200317	12.77346	6000.15	27.65
587	5/7/2008 18:06	1319.164	6.199789	12.77639	6000.15	27.65
588	5/7/2008 19:06	1319.218	6.201818	12.77859	6000.15	27.65
589	5/7/2008 20:06	1319.127	6.198516	12.77859	6000.15	27.65
590	5/7/2008 21:06	1319.101	6.197505	12.77639	6000.15	27.65
591	5/7/2008 22:06	1318.999	6.193717	12.77346	6000.14	27.66
592	5/7/2008 23:06	1318.927	6.191045	12.7715	6000.14	27.66
593	5/8/2008 0:06	1318.945	6.191604	12.76857	6000.14	27.66
594	5/8/2008 1:06	1318.948	6.191806	12.7715	6000.14	27.66
595	5/8/2008 2:06	1318.979	6.192915	12.77102	6000.14	27.66
596	5/8/2008 3:06	1318.899	6.190184	12.77639	6000.14	27.66
597	5/8/2008 4:06	1318.87	6.189047	12.7737	6000.14	27.66
598	5/8/2008 5:06	1318.938	6.191428	12.77102	6000.14	27.66
599	5/8/2008 6:06	1318.931	6.191191	12.7715	6000.14	27.66
600	5/8/2008 7:06	1318.915	6.19068	12.7737	6000.14	27.66

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Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
601	5/8/2008 8:06	1318.896	6.189844	12.76906	6000.14	27.66
602	5/8/2008 9:06	1318.919	6.190737	12.77102	6000.14	27.66
603	5/8/2008 10:06	1318.842	6.187949	12.77102	6000.14	27.66
604	5/8/2008 11:06	1318.879	6.189214	12.76857	6000.14	27.66
605	5/8/2008 12:06	1318.885	6.189354	12.76613	6000.14	27.66
606	5/8/2008 13:06	1318.88	6.189188	12.76662	6000.14	27.66
607	5/8/2008 14:06	1318.95	6.1918	12.76906	6000.14	27.66
608	5/8/2008 15:06	1318.569	6.177989	12.76906	6000.13	27.67
609	5/8/2008 16:06	1318.656	6.181144	12.76906	6000.13	27.67
610	5/8/2008 17:06	1318.531	6.176537	12.76662	6000.13	27.67
611	5/8/2008 18:06	1318.472	6.174385	12.76613	6000.12	27.68
612	5/8/2008 19:06	1318.406	6.171854	12.76174	6000.12	27.68
613	5/8/2008 20:06	1318.239	6.165802	12.76174	6000.12	27.68
614	5/8/2008 21:06	1318.164	6.163082	12.76174	6000.11	27.69
615	5/8/2008 22:06	1318.096	6.160695	12.76418	6000.11	27.69
616	5/8/2008 23:06	1318.216	6.165028	12.76369	6000.12	27.68
617	5/9/2008 0:06	1318.216	6.165119	12.76662	6000.12	27.68
618	5/9/2008 1:06	1318.225	6.165278	12.76125	6000.12	27.68
619	5/9/2008 2:06	1318.322	6.168795	12.76125	6000.12	27.68
620	5/9/2008 3:06	1318.343	6.169724	12.76662	6000.12	27.68
621	5/9/2008 4:06	1318.378	6.170841	12.76174	6000.12	27.68
622	5/9/2008 5:06	1318.357	6.170065	12.76125	6000.12	27.68
623	5/9/2008 6:06	1318.421	6.172307	12.75881	6000.12	27.68
624	5/9/2008 7:06	1318.371	6.170493	12.75881	6000.12	27.68
625	5/9/2008 8:06	1318.47	6.174249	12.76418	6000.12	27.68
626	5/9/2008 9:06	1318.468	6.174178	12.76418	6000.12	27.68
627	5/9/2008 10:06	1318.567	6.177613	12.7593	6000.13	27.67
628	5/9/2008 11:06	1318.595	6.178703	12.76174	6000.13	27.67
629	5/9/2008 12:06	1318.698	6.182361	12.7593	6000.13	27.67
630	5/9/2008 13:06	1318.84	6.187508	12.7593	6000.14	27.66
631	5/9/2008 14:06	1318.842	6.187415	12.75393	6000.14	27.66
632	5/9/2008 15:06	1318.906	6.189825	12.75686	6000.14	27.66
633	5/9/2008 16:06	1318.856	6.188087	12.7593	6000.14	27.66
634	5/9/2008 17:06	1318.658	6.180818	12.75637	6000.13	27.67
635	5/9/2008 18:06	1318.593	6.17854	12.75881	6000.13	27.67
636	5/9/2008 19:06	1318.578	6.178011	12.7593	6000.13	27.67
637	5/9/2008 20:06	1318.359	6.169907	12.75393	6000.12	27.68
638	5/9/2008 21:06	1318.105	6.16087	12.7593	6000.11	27.69
639	5/9/2008 22:06	1317.893	6.153019	12.75393	6000.10	27.70
640	5/9/2008 23:06	1318.131	6.161499	12.74929	6000.11	27.69
641	5/10/2008 0:06	1318.178	6.163362	12.75441	6000.11	27.69
642	5/10/2008 1:06	1318.204	6.16438	12.75686	6000.11	27.69
643	5/10/2008 2:06	1318.581	6.177954	12.75393	6000.13	27.67
644	5/10/2008 3:06	1318.435	6.172594	12.75173	6000.12	27.68
645	5/10/2008 4:06	1318.353	6.169621	12.75173	6000.12	27.68
646	5/10/2008 5:06	1318.145	6.162244	12.75686	6000.11	27.69

Well No. 82208
Water Level Readings

G.S. Elev. 6027.8
Depth of Piezometer (ft) 33.85
Elev. Of Piezometer 5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
647	5/10/2008 6:06	1318.209	6.16447	12.75393	6000.11	27.69
648	5/10/2008 7:06	1318.07	6.1596	12.7593	6000.11	27.69
649	5/10/2008 8:06	1317.877	6.152516	12.75637	6000.10	27.70
650	5/10/2008 9:06	1318.009	6.157156	12.75173	6000.11	27.69
651	5/10/2008 10:06	1318.035	6.158259	12.75686	6000.11	27.69
652	5/10/2008 11:06	1317.651	6.14427	12.75441	6000.09	27.71
653	5/10/2008 12:06	1317.582	6.141757	12.75393	6000.09	27.71
654	5/10/2008 13:06	1317.35	6.133445	12.75686	6000.08	27.72
655	5/10/2008 14:06	1317.367	6.133831	12.74953	6000.08	27.72
656	5/10/2008 15:06	1317.424	6.135971	12.75197	6000.09	27.71
657	5/10/2008 16:06	1317.48	6.137917	12.74929	6000.09	27.71
658	5/10/2008 17:06	1317.417	6.135796	12.75441	6000.09	27.71
659	5/10/2008 18:06	1317.452	6.136911	12.74953	6000.09	27.71
660	5/10/2008 19:06	1317.515	6.13904	12.74465	6000.09	27.71
661	5/10/2008 20:06	1317.494	6.138272	12.74441	6000.09	27.71
662	5/10/2008 21:06	1317.383	6.134414	12.74953	6000.08	27.72
663	5/10/2008 22:06	1317.343	6.133033	12.75173	6000.08	27.72
664	5/10/2008 23:06	1317.362	6.133883	12.75686	6000.08	27.72
665	5/11/2008 0:06	1317.509	6.139045	12.75173	6000.09	27.71
666	5/11/2008 1:06	1317.651	6.144186	12.75173	6000.09	27.71
667	5/11/2008 2:06	1317.825	6.150571	12.75441	6000.10	27.70
668	5/11/2008 3:06	1317.929	6.154102	12.74685	6000.10	27.70
669	5/11/2008 4:06	1317.914	6.153635	12.74929	6000.10	27.70
670	5/11/2008 5:06	1317.935	6.154171	12.74196	6000.10	27.70
671	5/11/2008 6:06	1317.952	6.154946	12.74709	6000.10	27.70
672	5/11/2008 7:06	1317.902	6.153132	12.74709	6000.10	27.70
673	5/11/2008 8:06	1317.865	6.151716	12.74465	6000.10	27.70
674	5/11/2008 9:06	1317.893	6.152568	12.73952	6000.10	27.70
675	5/11/2008 10:06	1318.063	6.158737	12.73977	6000.11	27.69
676	5/11/2008 11:06	1318.048	6.158193	12.73977	6000.11	27.69
677	5/11/2008 12:06	1318.091	6.159826	12.74221	6000.11	27.69
678	5/11/2008 13:06	1318.176	6.162748	12.73708	6000.11	27.69
679	5/11/2008 14:06	1318.121	6.160838	12.73977	6000.11	27.69
680	5/11/2008 15:06	1318.162	6.162316	12.73952	6000.11	27.69
681	5/11/2008 16:06	1318.192	6.163412	12.73977	6000.11	27.69
682	5/11/2008 17:06	1318.218	6.164278	12.73732	6000.11	27.69
683	5/11/2008 18:06	1318.223	6.164536	12.73977	6000.11	27.69
684	5/11/2008 19:06	1318.18	6.162894	12.73708	6000.11	27.69
685	5/11/2008 20:06	1318.108	6.160292	12.73732	6000.11	27.69
686	5/11/2008 21:06	1318.216	6.164279	12.73977	6000.11	27.69
687	5/11/2008 22:06	1318.221	6.164307	12.73488	6000.11	27.69
688	5/11/2008 23:06	1318.148	6.161662	12.73488	6000.11	27.69
689	5/12/2008 0:06	1318.26	6.165639	12.7322	6000.12	27.68
690	5/12/2008 1:06	1318.357	6.169316	12.73732	6000.12	27.68
691	5/12/2008 2:06	1318.506	6.174629	12.73464	6000.12	27.68
692	5/12/2008 3:06	1318.546	6.175928	12.72976	6000.13	27.67

Well No. 82208
Water Level Readings

G.S. Elev.	6027.8
Depth of Piezometer (ft)	33.85
Elev. Of Piezometer	5993.95

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
693	5/12/2008 4:06	1318.519	6.17511	12.73488	6000.13	27.67
694	5/12/2008 5:06	1318.402	6.171013	12.73952	6000.12	27.68
695	5/12/2008 6:06	1318.371	6.169897	12.73977	6000.12	27.68
696	5/12/2008 7:06	1318.268	6.165926	12.7322	6000.12	27.68
697	5/12/2008 8:06	1318.284	6.166594	12.73488	6000.12	27.68
698	5/12/2008 9:06	1318.254	6.165346	12.72976	6000.12	27.68
699	5/12/2008 10:06	1318.322	6.168046	12.73732	6000.12	27.68
700	5/12/2008 11:06	1318.367	6.169751	12.73977	6000.12	27.68
	5/12 AVG				6000.12	27.68

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
5	4/13/2008 11:02	1346.283	7.197089	13.12818	5986.99	29.41
6	4/13/2008 12:02	1346.401	7.201589	13.12574	5986.99	29.41
7	4/13/2008 13:02	1346.493	7.20509	13.12354	5987.00	29.40
8	4/13/2008 14:02	1346.562	7.207766	13.12378	5987.00	29.40
9	4/13/2008 15:02	1346.589	7.208742	13.12134	5987.00	29.40
10	4/13/2008 16:02	1346.334	7.198874	13.12134	5986.99	29.41
11	4/13/2008 17:02	1346.337	7.198924	13.1189	5986.99	29.41
12	4/13/2008 18:02	1346.337	7.198843	13.11597	5986.99	29.41
13	4/13/2008 19:02	1346.332	7.198588	13.11377	5986.99	29.41
14	4/13/2008 20:02	1346.267	7.19607	13.11377	5986.99	29.41
15	4/13/2008 21:02	1346.033	7.186935	13.11084	5986.98	29.42
16	4/13/2008 22:02	1346.136	7.190935	13.11133	5986.98	29.42
17	4/13/2008 23:02	1346.285	7.196702	13.11133	5986.99	29.41
	4/13 AVG				5986.99	29.41
18	4/14/2008 0:02	1346.388	7.200684	13.11133	5986.99	29.41
19	4/14/2008 1:02	1346.408	7.201445	13.11084	5986.99	29.41
20	4/14/2008 2:02	1346.379	7.200197	13.10621	5986.99	29.41
21	4/14/2008 3:02	1346.414	7.20148	13.10376	5986.99	29.41
22	4/14/2008 4:02	1346.346	7.198849	13.10376	5986.99	29.41
23	4/14/2008 5:02	1346.339	7.19858	13.10376	5986.99	29.41
24	4/14/2008 6:02	1346.261	7.195629	13.10621	5986.99	29.41
25	4/14/2008 7:02	1346.105	7.189525	13.10376	5986.98	29.42
26	4/14/2008 8:02	1346.085	7.188683	13.10132	5986.98	29.42
27	4/14/2008 9:02	1346.142	7.190888	13.10132	5986.98	29.42
28	4/14/2008 10:02	1346.112	7.189738	13.10157	5986.98	29.42
29	4/14/2008 11:02	1346.084	7.188584	13.09913	5986.98	29.42
30	4/14/2008 12:02	1346.134	7.190453	13.09668	5986.98	29.42
31	4/14/2008 13:02	1346.234	7.194396	13.09937	5986.98	29.42
32	4/14/2008 14:02	1346.248	7.194804	13.09449	5986.98	29.42
33	4/14/2008 15:02	1346.087	7.188506	13.09205	5986.98	29.42
34	4/14/2008 16:02	1346.219	7.193544	13.0896	5986.98	29.42
35	4/14/2008 17:02	1346.283	7.196087	13.09205	5986.99	29.41
36	4/14/2008 18:02	1347.941	7.260287	13.09205	5987.05	29.35
37	4/14/2008 19:02	1348.432	7.279313	13.09205	5987.07	29.33
38	4/14/2008 20:02	1348.494	7.281507	13.08448	5987.07	29.33
39	4/14/2008 21:02	1348.345	7.275811	13.08741	5987.07	29.33
40	4/14/2008 22:02	1348.558	7.283918	13.08204	5987.07	29.33
41	4/14/2008 23:02	1348.241	7.271699	13.08448	5987.06	29.34
42	4/15/2008 0:02	1347.704	7.250826	13.08204	5987.04	29.36
43	4/15/2008 1:02	1347.998	7.262218	13.08204	5987.05	29.35
44	4/15/2008 2:02	1348.198	7.269966	13.08204	5987.06	29.34
45	4/15/2008 3:02	1348.345	7.27573	13.08448	5987.07	29.33
46	4/15/2008 4:02	1348.289	7.273429	13.07984	5987.06	29.34
47	4/15/2008 5:02	1348.285	7.273264	13.07935	5987.06	29.34
48	4/15/2008 6:02	1347.771	7.25328	13.07691	5987.04	29.36

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
49	4/15/2008 7:02	1347.702	7.25054	13.07447	5987.04	29.36
50	4/15/2008 8:02	1347.734	7.251718	13.07227	5987.04	29.36
51	4/15/2008 9:02	1347.865	7.256806	13.07276	5987.05	29.35
52	4/15/2008 10:02	1347.549	7.244564	13.07276	5987.03	29.37
53	4/15/2008 11:02	1347.535	7.243957	13.07032	5987.03	29.37
54	4/15/2008 12:02	1347.722	7.251133	13.06788	5987.04	29.36
55	4/15/2008 13:02	1347.809	7.254568	13.07032	5987.04	29.36
56	4/15/2008 14:02	1347.827	7.255132	13.06543	5987.05	29.35
57	4/15/2008 15:02	1347.805	7.254281	13.06543	5987.04	29.36
58	4/15/2008 16:02	1347.638	7.247739	13.06299	5987.04	29.36
59	4/15/2008 17:02	1347.373	7.237412	13.06055	5987.03	29.37
60	4/15/2008 18:02	1347.293	7.234379	13.06299	5987.02	29.38
61	4/15/2008 19:02	1347.235	7.232066	13.06055	5987.02	29.38
62	4/15/2008 20:02	1346.943	7.220618	13.05542	5987.01	29.39
63	4/15/2008 21:02	1346.816	7.215913	13.06299	5987.01	29.39
64	4/15/2008 22:02	1346.84	7.216833	13.06275	5987.01	29.39
65	4/15/2008 23:02	1346.539	7.205113	13.06031	5987.00	29.40
66	4/16/2008 0:02	1346.553	7.205589	13.05787	5987.00	29.40
67	4/16/2008 1:02	1346.529	7.204731	13.06031	5986.99	29.41
68	4/16/2008 2:02	1346.535	7.205029	13.06275	5987.00	29.40
69	4/16/2008 3:02	1346.035	7.185682	13.06275	5986.98	29.42
70	4/16/2008 4:02	1346.055	7.186389	13.06031	5986.98	29.42
71	4/16/2008 5:02	1346.049	7.186213	13.0625	5986.98	29.42
72	4/16/2008 6:02	1346.055	7.186382	13.06006	5986.98	29.42
73	4/16/2008 7:02	1346.131	7.189252	13.05762	5986.98	29.42
74	4/16/2008 8:02	1346.247	7.193671	13.05518	5986.98	29.42
75	4/16/2008 9:02	1346.314	7.196271	13.05542	5986.99	29.41
76	4/16/2008 10:02	1346.112	7.188385	13.05274	5986.98	29.42
77	4/16/2008 11:02	1345.875	7.1792	13.05225	5986.97	29.43
78	4/16/2008 12:02	1345.848	7.177967	13.04541	5986.97	29.43
79	4/16/2008 13:02	1345.841	7.177903	13.05298	5986.97	29.43
80	4/16/2008 14:02	1345.647	7.170393	13.05274	5986.96	29.44
81	4/16/2008 15:02	1345.701	7.172553	13.05518	5986.96	29.44
82	4/16/2008 16:02	1345.779	7.175502	13.05274	5986.97	29.43
83	4/16/2008 17:02	1345.737	7.173945	13.05518	5986.96	29.44
84	4/16/2008 18:02	1345.6	7.168643	13.05518	5986.96	29.44
85	4/16/2008 19:02	1345.658	7.170954	13.05762	5986.96	29.44
86	4/16/2008 20:02	1345.649	7.170528	13.05469	5986.96	29.44
87	4/16/2008 21:02	1345.627	7.169687	13.05518	5986.96	29.44
88	4/16/2008 22:02	1345.52	7.165551	13.05518	5986.96	29.44
89	4/16/2008 23:02	1345.737	7.173945	13.05518	5986.96	29.44
90	4/17/2008 0:02	1345.776	7.175242	13.04761	5986.97	29.43
91	4/17/2008 1:02	1345.814	7.17665	13.04541	5986.97	29.43
92	4/17/2008 2:02	1345.834	7.177424	13.04541	5986.97	29.43
93	4/17/2008 3:02	1345.776	7.175242	13.04761	5986.97	29.43

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
94	4/17/2008 4:02	1345.665	7.170957	13.04786	5986.96	29.44
95	4/17/2008 5:02	1345.517	7.165088	13.04273	5986.96	29.44
96	4/17/2008 6:02	1345.412	7.161096	13.04517	5986.95	29.45
97	4/17/2008 7:02	1345.205	7.153091	13.04517	5986.94	29.46
98	4/17/2008 8:02	1345.1	7.148897	13.04029	5986.94	29.46
99	4/17/2008 9:02	1345.137	7.150334	13.04053	5986.94	29.46
100	4/17/2008 10:02	1339.793	6.944083	13.03809	5986.73	29.67
101	4/17/2008 11:02	1344.956	7.14334	13.04053	5986.93	29.47
102	4/17/2008 12:02	1344.887	7.140669	13.04053	5986.93	29.47
103	4/17/2008 13:02	1344.699	7.133417	13.04102	5986.92	29.48
104	4/17/2008 14:02	1345.56	7.166626	13.03809	5986.96	29.44
105	4/17/2008 15:02	1345.271	7.155455	13.03834	5986.95	29.45
106	4/17/2008 16:02	1345.841	7.177571	13.04102	5986.97	29.43
107	4/17/2008 17:02	1345.401	7.160556	13.04102	5986.95	29.45
108	4/17/2008 18:02	1345.743	7.17371	13.03834	5986.96	29.44
109	4/17/2008 19:02	1345.388	7.159977	13.03834	5986.95	29.45
110	4/17/2008 20:02	1345.245	7.154307	13.03321	5986.94	29.46
111	4/17/2008 21:02	1345.048	7.14669	13.03321	5986.94	29.46
112	4/17/2008 22:02	1345.231	7.153765	13.03321	5986.94	29.46
113	4/17/2008 23:02	1345.256	7.154732	13.03321	5986.94	29.46
114	4/18/2008 0:02	1345.008	7.145012	13.02832	5986.94	29.46
115	4/18/2008 1:02	1345.216	7.153049	13.02832	5986.94	29.46
116	4/18/2008 2:02	1345.012	7.145231	13.03077	5986.94	29.46
117	4/18/2008 3:02	1345.108	7.148944	13.03077	5986.94	29.46
118	4/18/2008 4:02	1345.059	7.147048	13.03077	5986.94	29.46
119	4/18/2008 5:02	1344.99	7.144313	13.02832	5986.93	29.47
120	4/18/2008 6:02	1344.965	7.143414	13.03077	5986.93	29.47
121	4/18/2008 7:02	1344.612	7.129706	13.02832	5986.92	29.48
122	4/18/2008 8:02	1344.482	7.124682	13.02832	5986.91	29.49
123	4/18/2008 9:02	1344.471	7.124185	13.02588	5986.91	29.49
124	4/18/2008 10:02	1343.869	7.100931	13.02588	5986.89	29.51
125	4/18/2008 11:02	1344.39	7.121004	13.02393	5986.91	29.49
126	4/18/2008 12:02	1344.449	7.123214	13.02149	5986.91	29.49
127	4/18/2008 13:02	1344.784	7.136164	13.02149	5986.93	29.47
128	4/18/2008 14:02	1344.661	7.131408	13.02149	5986.92	29.48
129	4/18/2008 15:02	1344.968	7.143139	13.01661	5986.93	29.47
130	4/18/2008 16:02	1345.03	7.145604	13.01905	5986.94	29.46
131	4/18/2008 17:02	1345.446	7.161621	13.01661	5986.95	29.45
132	4/18/2008 18:02	1345.48	7.162934	13.01661	5986.95	29.45
133	4/18/2008 19:02	1345.768	7.17428	13.02417	5986.96	29.44
134	4/18/2008 20:02	1345.144	7.150012	13.01905	5986.94	29.46
135	4/18/2008 21:02	1345.242	7.153797	13.01905	5986.94	29.46
136	4/18/2008 22:02	1344.952	7.142589	13.01905	5986.93	29.47
137	4/18/2008 23:02	1345.059	7.14679	13.02149	5986.94	29.46
138	4/19/2008 0:02	1345.033	7.145718	13.01905	5986.94	29.46

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
139	4/19/2008 1:02	1345.019	7.144976	13.01172	5986.93	29.47
140	4/19/2008 2:02	1345.16	7.15042	13.01148	5986.94	29.46
141	4/19/2008 3:02	1345.119	7.148902	13.01392	5986.94	29.46
142	4/19/2008 4:02	1344.968	7.143139	13.01661	5986.93	29.47
143	4/19/2008 5:02	1344.88	7.139595	13.01148	5986.93	29.47
144	4/19/2008 6:02	1345.035	7.145662	13.01416	5986.94	29.46
145	4/19/2008 7:02	1344.391	7.120697	13.01148	5986.91	29.49
146	4/19/2008 8:02	1343.631	7.091346	13.01172	5986.88	29.52
147	4/19/2008 9:02	1344.119	7.110196	13.01172	5986.90	29.50
148	4/19/2008 10:02	1344.525	7.125882	13.01172	5986.92	29.48
149	4/19/2008 11:02	1344.654	7.130801	13.00928	5986.92	29.48
150	4/19/2008 12:02	1344.668	7.131271	13.00684	5986.92	29.48
151	4/19/2008 13:02	1344.789	7.135879	13.0044	5986.93	29.47
152	4/19/2008 14:02	1345.166	7.150523	13.00684	5986.94	29.46
153	4/19/2008 15:02	1344.874	7.139167	13.0044	5986.93	29.47
154	4/19/2008 16:02	1345.317	7.156361	13.00684	5986.95	29.45
155	4/19/2008 17:02	1345.663	7.169604	13.00196	5986.96	29.44
156	4/19/2008 18:02	1345.312	7.156181	13.00733	5986.95	29.45
157	4/19/2008 19:02	1345.242	7.153472	13.00733	5986.94	29.46
158	4/19/2008 20:02	1345.037	7.145399	13.00196	5986.94	29.46
159	4/19/2008 21:02	1345.053	7.146018	13.00196	5986.94	29.46
160	4/19/2008 22:02	1345.281	7.154915	13.00489	5986.94	29.46
161	4/19/2008 23:02	1344.994	7.143738	13.00196	5986.93	29.47
162	4/20/2008 0:02	1344.694	7.132141	13.00196	5986.92	29.48
163	4/20/2008 1:02	1344.372	7.119697	13.00196	5986.91	29.49
164	4/20/2008 2:02	1344.518	7.125338	13.00196	5986.92	29.48
165	4/20/2008 3:02	1344.37	7.119621	13.00196	5986.91	29.49
166	4/20/2008 4:02	1344.227	7.114099	13.00196	5986.90	29.50
167	4/20/2008 5:02	1344.373	7.119597	12.99683	5986.91	29.49
168	4/20/2008 6:02	1343.92	7.102171	12.99952	5986.89	29.51
169	4/20/2008 7:02	1343.788	7.09707	12.99952	5986.89	29.51
170	4/20/2008 8:02	1343.759	7.095953	12.99952	5986.89	29.51
171	4/20/2008 9:02	1343.676	7.092747	12.99952	5986.88	29.52
172	4/20/2008 10:02	1343.584	7.089193	12.99952	5986.88	29.52
173	4/20/2008 11:02	1343.58	7.089037	12.99952	5986.88	29.52
174	4/20/2008 12:02	1343.765	7.096116	12.99707	5986.89	29.51
175	4/20/2008 13:02	1343.674	7.092599	12.99707	5986.88	29.52
176	4/20/2008 14:02	1343.821	7.09828	12.99707	5986.89	29.51
177	4/20/2008 15:02	1344.032	7.106441	12.99756	5986.90	29.50
178	4/20/2008 16:02	1344.155	7.111045	12.99219	5986.90	29.50
179	4/20/2008 17:02	1343.989	7.104713	12.99512	5986.89	29.51
180	4/20/2008 18:02	1343.902	7.101352	12.99512	5986.89	29.51
181	4/20/2008 19:02	1344.164	7.111261	12.98755	5986.90	29.50
182	4/20/2008 20:02	1343.759	7.095621	12.98755	5986.89	29.51
183	4/20/2008 21:02	1343.34	7.079439	12.98755	5986.87	29.53

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
184	4/20/2008 22:02	1343.247	7.075909	12.98975	5986.87	29.53
185	4/20/2008 23:02	1342.981	7.065641	12.98975	5986.86	29.54
186	4/21/2008 0:02	1343.144	7.071937	12.98975	5986.86	29.54
187	4/21/2008 1:02	1342.87	7.061359	12.98975	5986.85	29.55
188	4/21/2008 2:02	1342.965	7.065092	12.99219	5986.86	29.54
189	4/21/2008 3:02	1342.862	7.06112	12.99219	5986.85	29.55
190	4/21/2008 4:02	1343.108	7.070682	12.99463	5986.86	29.54
191	4/21/2008 5:02	1343.063	7.069092	13	5986.86	29.54
192	4/21/2008 6:02	1342.936	7.063969	12.99195	5986.85	29.55
193	4/21/2008 7:02	1342.244	7.037131	12.98707	5986.83	29.57
194	4/21/2008 8:02	1342.006	7.027882	12.98462	5986.82	29.58
195	4/21/2008 9:02	1342.244	7.037064	12.98462	5986.83	29.57
196	4/21/2008 10:02	1342.311	7.039581	12.98218	5986.83	29.57
197	4/21/2008 11:02	1342.199	7.035272	12.98267	5986.83	29.57
198	4/21/2008 12:02	1342.565	7.049391	12.98267	5986.84	29.56
199	4/21/2008 13:02	1343.091	7.069623	12.98023	5986.86	29.54
200	4/21/2008 14:02	1343.164	7.072508	12.98267	5986.86	29.54
201	4/21/2008 15:02	1343.18	7.073069	12.98047	5986.86	29.54
202	4/21/2008 16:02	1343.225	7.074662	12.97535	5986.86	29.54
203	4/21/2008 17:02	1343.073	7.06893	12.98023	5986.86	29.54
204	4/21/2008 18:02	1342.783	7.057668	12.97779	5986.85	29.55
205	4/21/2008 19:02	1342.659	7.052955	12.98023	5986.84	29.56
206	4/21/2008 20:02	1342.538	7.048289	12.98047	5986.84	29.56
207	4/21/2008 21:02	1342.329	7.040219	12.98023	5986.83	29.57
208	4/21/2008 22:02	1342.298	7.038956	12.97779	5986.83	29.57
209	4/21/2008 23:02	1342.336	7.040411	12.9773	5986.83	29.57
210	4/22/2008 0:02	1342.435	7.044163	12.97486	5986.83	29.57
211	4/22/2008 1:02	1342.437	7.044306	12.9773	5986.83	29.57
212	4/22/2008 2:02	1342.455	7.044802	12.97022	5986.83	29.57
213	4/22/2008 3:02	1342.541	7.048251	12.97486	5986.84	29.56
214	4/22/2008 4:02	1342.624	7.051386	12.97242	5986.84	29.56
215	4/22/2008 5:02	1342.601	7.050564	12.97486	5986.84	29.56
216	4/22/2008 6:02	1342.572	7.04938	12.97242	5986.84	29.56
217	4/22/2008 7:02	1342.538	7.048066	12.97242	5986.84	29.56
218	4/22/2008 8:02	1342.469	7.045404	12.97242	5986.84	29.56
219	4/22/2008 9:02	1342.511	7.047025	12.97242	5986.84	29.56
220	4/22/2008 10:02	1342.511	7.047039	12.97291	5986.84	29.56
221	4/22/2008 11:02	1342.482	7.045922	12.97291	5986.84	29.56
222	4/22/2008 12:02	1342.264	7.037443	12.97046	5986.83	29.57
223	4/22/2008 13:02	1342.457	7.044821	12.96802	5986.83	29.57
224	4/22/2008 14:02	1342.518	7.047104	12.96558	5986.84	29.56
225	4/22/2008 15:02	1342.569	7.049005	12.96314	5986.84	29.56
226	4/22/2008 16:02	1342.702	7.054295	12.96875	5986.84	29.56
227	4/22/2008 17:02	1342.664	7.05267	12.96314	5986.84	29.56
228	4/22/2008 18:02	1342.614	7.050749	12.96338	5986.84	29.56

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
229	4/22/2008 19:02	1342.608	7.050512	12.96314	5986.84	29.56
230	4/22/2008 20:02	1342.487	7.045912	12.96558	5986.84	29.56
231	4/22/2008 21:02	1342.369	7.04129	12.96314	5986.83	29.57
232	4/22/2008 22:02	1342.392	7.042108	12.9607	5986.83	29.57
233	4/22/2008 23:02	1342.379	7.041677	12.96314	5986.83	29.57
234	4/23/2008 0:02	1342.561	7.048698	12.96314	5986.84	29.56
235	4/23/2008 1:02	1342.718	7.054756	12.96314	5986.84	29.56
236	4/23/2008 2:02	1342.785	7.057403	12.96534	5986.85	29.55
237	4/23/2008 3:02	1342.617	7.050781	12.96045	5986.84	29.56
238	4/23/2008 4:02	1342.579	7.049385	12.9629	5986.84	29.56
239	4/23/2008 5:02	1342.698	7.053977	12.9629	5986.84	29.56
240	4/23/2008 6:02	1342.621	7.051005	12.9629	5986.84	29.56
241	4/23/2008 7:02	1342.518	7.046961	12.96045	5986.84	29.56
242	4/23/2008 8:02	1342.612	7.050457	12.95557	5986.84	29.56
243	4/23/2008 9:02	1342.724	7.054709	12.95313	5986.84	29.56
244	4/23/2008 10:02	1342.747	7.05567	12.95582	5986.85	29.55
245	4/23/2008 11:02	1342.821	7.058529	12.95582	5986.85	29.55
246	4/23/2008 12:02	1342.904	7.061665	12.95337	5986.85	29.55
247	4/23/2008 13:02	1343.091	7.068953	12.95606	5986.86	29.54
248	4/23/2008 14:02	1343.05	7.067374	12.95606	5986.86	29.54
249	4/23/2008 15:02	1342.864	7.06012	12.95337	5986.85	29.55
250	4/23/2008 16:02	1342.94	7.063199	12.95875	5986.85	29.55
251	4/23/2008 17:02	1342.891	7.06131	12.95875	5986.85	29.55
252	4/23/2008 18:02	1342.834	7.058968	12.95362	5986.85	29.55
253	4/23/2008 19:02	1342.273	7.037246	12.95093	5986.83	29.57
254	4/23/2008 20:02	1342.586	7.049333	12.95118	5986.84	29.56
255	4/23/2008 21:02	1342.203	7.03448	12.94849	5986.82	29.58
256	4/23/2008 22:02	1342.131	7.031769	12.95093	5986.82	29.58
257	4/23/2008 23:02	1342.176	7.033439	12.94849	5986.82	29.58
258	4/24/2008 0:02	1342.224	7.03529	12.94849	5986.83	29.57
259	4/24/2008 1:02	1342.269	7.037027	12.94849	5986.83	29.57
260	4/24/2008 2:02	1342.242	7.035975	12.94825	5986.83	29.57
261	4/24/2008 3:02	1342.338	7.039688	12.94849	5986.83	29.57
262	4/24/2008 4:02	1342.392	7.041763	12.94825	5986.83	29.57
263	4/24/2008 5:02	1342.379	7.04127	12.94849	5986.83	29.57
264	4/24/2008 6:02	1342.249	7.036255	12.94849	5986.83	29.57
265	4/24/2008 7:02	1342.186	7.033683	12.94336	5986.82	29.58
266	4/24/2008 8:02	1342.237	7.035733	12.94629	5986.83	29.57
267	4/24/2008 9:02	1342.338	7.039559	12.94385	5986.83	29.57
268	4/24/2008 10:02	1342.431	7.043216	12.94629	5986.83	29.57
269	4/24/2008 11:02	1342.487	7.04531	12.94385	5986.84	29.56
270	4/24/2008 12:02	1342.592	7.049428	12.94629	5986.84	29.56
271	4/24/2008 13:02	1342.669	7.052328	12.94385	5986.84	29.56
272	4/24/2008 14:02	1342.682	7.052697	12.93897	5986.84	29.56
273	4/24/2008 15:02	1342.711	7.053879	12.94117	5986.84	29.56

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
274	4/24/2008 16:02	1342.509	7.046097	12.94166	5986.84	29.56
275	4/24/2008 17:02	1342.469	7.044552	12.94166	5986.83	29.57
276	4/24/2008 18:02	1342.462	7.04427	12.94117	5986.83	29.57
277	4/24/2008 19:02	1342.313	7.03852	12.94117	5986.83	29.57
278	4/24/2008 20:02	1341.603	7.011139	12.94117	5986.80	29.60
279	4/24/2008 21:02	1341.49	7.006855	12.94385	5986.80	29.60
280	4/24/2008 22:02	1341.335	7.000879	12.94385	5986.79	29.61
281	4/24/2008 23:02	1341.517	7.00797	12.94654	5986.80	29.60
282	4/25/2008 0:02	1341.684	7.014259	12.94117	5986.80	29.60
283	4/25/2008 1:02	1341.643	7.012678	12.94117	5986.80	29.60
284	4/25/2008 2:02	1341.513	7.007591	12.93848	5986.80	29.60
285	4/25/2008 3:02	1341.564	7.009558	12.93848	5986.80	29.60
286	4/25/2008 4:02	1341.727	7.015847	12.93848	5986.81	29.59
287	4/25/2008 5:02	1341.871	7.021397	12.93848	5986.81	29.59
288	4/25/2008 6:02	1341.855	7.020719	12.93628	5986.81	29.59
289	4/25/2008 7:02	1341.967	7.025101	12.93848	5986.82	29.58
290	4/25/2008 8:02	1341.834	7.019916	12.93653	5986.81	29.59
291	4/25/2008 9:02	1341.929	7.023646	12.93897	5986.81	29.59
292	4/25/2008 10:02	1341.877	7.021641	12.93897	5986.81	29.59
293	4/25/2008 11:02	1341.681	7.014086	12.93897	5986.80	29.60
294	4/25/2008 12:02	1341.915	7.023042	12.93653	5986.81	29.59
295	4/25/2008 13:02	1342.019	7.027053	12.93653	5986.82	29.58
296	4/25/2008 14:02	1342.021	7.026986	12.9314	5986.82	29.58
297	4/25/2008 15:02	1342.003	7.02649	12.93848	5986.82	29.58
298	4/25/2008 16:02	1341.972	7.024766	12.91944	5986.81	29.59
299	4/25/2008 17:02	1341.969	7.024953	12.93042	5986.81	29.59
300	4/25/2008 18:02	1341.895	7.022114	12.93091	5986.81	29.59
301	4/25/2008 19:02	1341.86	7.020716	12.9292	5986.81	29.59
302	4/25/2008 20:02	1341.758	7.016785	12.9292	5986.81	29.59
303	4/25/2008 21:02	1341.677	7.013585	12.92652	5986.80	29.60
304	4/25/2008 22:02	1341.659	7.013029	12.9314	5986.80	29.60
305	4/25/2008 23:02	1341.731	7.015875	12.93409	5986.81	29.59
306	4/26/2008 0:02	1341.61	7.011062	12.92872	5986.80	29.60
307	4/26/2008 1:02	1341.745	7.016268	12.92872	5986.81	29.59
308	4/26/2008 2:02	1341.824	7.019388	12.9314	5986.81	29.59
309	4/26/2008 3:02	1341.924	7.02325	12.93165	5986.81	29.59
310	4/26/2008 4:02	1341.79	7.017944	12.92652	5986.81	29.59
311	4/26/2008 5:02	1341.713	7.015035	12.92872	5986.81	29.59
312	4/26/2008 6:02	1341.47	7.00561	12.92676	5986.80	29.60
313	4/26/2008 7:02	1341.572	7.00947	12.92408	5986.80	29.60
314	4/26/2008 8:02	1341.279	6.998176	12.92408	5986.79	29.61
315	4/26/2008 9:02	1340.86	6.982025	12.92408	5986.77	29.63
316	4/26/2008 10:02	1340.65	6.973941	12.92432	5986.76	29.64
317	4/26/2008 11:02	1340.591	6.971658	12.92408	5986.76	29.64
318	4/26/2008 12:02	1340.409	6.964652	12.92408	5986.75	29.65

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
319	4/26/2008 13:02	1340.693	6.97559	12.92408	5986.77	29.63
320	4/26/2008 14:02	1340.844	6.981476	12.92652	5986.77	29.63
321	4/26/2008 15:02	1340.982	6.986871	12.9292	5986.78	29.62
322	4/26/2008 16:02	1341.053	6.989469	12.92432	5986.78	29.62
323	4/26/2008 17:02	1341.054	6.989506	12.92432	5986.78	29.62
324	4/26/2008 18:02	1340.984	6.986743	12.92188	5986.78	29.62
325	4/26/2008 19:02	1340.972	6.986214	12.91944	5986.78	29.62
326	4/26/2008 20:02	1340.849	6.981534	12.92164	5986.77	29.63
327	4/26/2008 21:02	1340.779	6.978771	12.91919	5986.77	29.63
328	4/26/2008 22:02	1340.673	6.974751	12.92164	5986.76	29.64
329	4/26/2008 23:02	1340.657	6.974135	12.92164	5986.76	29.64
330	4/27/2008 0:02	1340.24	6.958139	12.92408	5986.75	29.65
331	4/27/2008 1:02	1340.33	6.961537	12.92164	5986.75	29.65
332	4/27/2008 2:02	1340.549	6.969973	12.92164	5986.76	29.64
333	4/27/2008 3:02	1340.734	6.977096	12.92139	5986.77	29.63
334	4/27/2008 4:02	1340.769	6.978378	12.91895	5986.77	29.63
335	4/27/2008 5:02	1340.914	6.984036	12.92164	5986.77	29.63
336	4/27/2008 6:02	1340.892	6.983182	12.92139	5986.77	29.63
337	4/27/2008 7:02	1340.864	6.982038	12.91895	5986.77	29.63
338	4/27/2008 8:02	1340.874	6.982423	12.91895	5986.77	29.63
339	4/27/2008 9:02	1340.822	6.980426	12.91919	5986.77	29.63
340	4/27/2008 10:02	1340.664	6.974267	12.91675	5986.76	29.64
341	4/27/2008 11:02	1340.747	6.977331	12.91187	5986.77	29.63
342	4/27/2008 12:02	1340.851	6.981413	12.91456	5986.77	29.63
343	4/27/2008 13:02	1341.029	6.988208	12.91211	5986.78	29.62
344	4/27/2008 14:02	1340.986	6.986547	12.91211	5986.78	29.62
345	4/27/2008 15:02	1341.051	6.989055	12.91211	5986.78	29.62
346	4/27/2008 16:02	1341.08	6.990102	12.90967	5986.78	29.62
347	4/27/2008 17:02	1341.033	6.988298	12.90992	5986.78	29.62
348	4/27/2008 18:02	1340.972	6.986093	12.91504	5986.78	29.62
349	4/27/2008 19:02	1340.946	6.984941	12.90967	5986.77	29.63
350	4/27/2008 20:02	1340.889	6.982745	12.90967	5986.77	29.63
351	4/27/2008 21:02	1340.758	6.977698	12.90967	5986.77	29.63
352	4/27/2008 22:02	1340.779	6.978507	12.90967	5986.77	29.63
353	4/27/2008 23:02	1340.914	6.983705	12.90967	5986.77	29.63
354	4/28/2008 0:02	1341.051	6.988987	12.90967	5986.78	29.62
355	4/28/2008 1:02	1341.135	6.992082	12.90455	5986.78	29.62
356	4/28/2008 2:02	1341.213	6.995089	12.90455	5986.79	29.61
357	4/28/2008 3:02	1341.274	6.997448	12.90479	5986.79	29.61
358	4/28/2008 4:02	1341.231	6.995923	12.90967	5986.79	29.61
359	4/28/2008 5:02	1341.166	6.993419	12.90967	5986.78	29.62
360	4/28/2008 6:02	1341.178	6.993739	12.90455	5986.78	29.62
361	4/28/2008 7:02	1341.101	6.990777	12.90479	5986.78	29.62
362	4/28/2008 8:02	1341.098	6.990738	12.90748	5986.78	29.62
363	4/28/2008 9:02	1341.063	6.989245	12.90235	5986.78	29.62

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
364	4/28/2008 10:02	1340.999	6.986848	12.90479	5986.78	29.62
365	4/28/2008 11:02	1341.033	6.988088	12.90235	5986.78	29.62
366	4/28/2008 12:02	1341.166	6.993217	12.90235	5986.78	29.62
367	4/28/2008 13:02	1341.24	6.996135	12.90479	5986.79	29.61
368	4/28/2008 14:02	1341.259	6.996741	12.90015	5986.79	29.61
369	4/28/2008 15:02	1341.317	6.998983	12.9004	5986.79	29.61
370	4/28/2008 16:02	1341.394	7.001945	12.90015	5986.79	29.61
371	4/28/2008 17:02	1341.31	6.998708	12.90015	5986.79	29.61
372	4/28/2008 18:02	1341.222	6.995315	12.90015	5986.79	29.61
373	4/28/2008 19:02	1341.211	6.994966	12.90284	5986.78	29.62
374	4/28/2008 20:02	1341.065	6.98926	12.90015	5986.78	29.62
375	4/28/2008 21:02	1340.74	6.976664	12.89747	5986.77	29.63
376	4/28/2008 22:02	1340.804	6.979202	12.90015	5986.77	29.63
377	4/28/2008 23:02	1340.909	6.983178	12.89747	5986.77	29.63
378	4/29/2008 0:02	1341.02	6.987529	12.90015	5986.78	29.62
379	4/29/2008 1:02	1341.105	6.990803	12.90015	5986.78	29.62
380	4/29/2008 2:02	1341.169	6.993268	12.90015	5986.78	29.62
381	4/29/2008 3:02	1341.178	6.993542	12.89747	5986.78	29.62
382	4/29/2008 4:02	1341.184	6.993712	12.89527	5986.78	29.62
383	4/29/2008 5:02	1341.089	6.990051	12.89527	5986.78	29.62
384	4/29/2008 6:02	1341.101	6.990573	12.89747	5986.78	29.62
385	4/29/2008 7:02	1340.999	6.986645	12.89747	5986.78	29.62
386	4/29/2008 8:02	1340.963	6.985258	12.89747	5986.78	29.62
387	4/29/2008 9:02	1341.042	6.98824	12.89527	5986.78	29.62
388	4/29/2008 10:02	1341.094	6.990177	12.89283	5986.78	29.62
389	4/29/2008 11:02	1341.195	6.994068	12.89283	5986.78	29.62
390	4/29/2008 12:02	1341.333	6.999389	12.89283	5986.79	29.61
391	4/29/2008 13:02	1341.441	7.003493	12.89063	5986.79	29.61
392	4/29/2008 14:02	1341.411	7.002261	12.88794	5986.79	29.61
393	4/29/2008 15:02	1341.574	7.008543	12.88794	5986.80	29.60
394	4/29/2008 16:02	1341.682	7.012709	12.88794	5986.80	29.60
395	4/29/2008 17:02	1341.662	7.011869	12.8855	5986.80	29.60
396	4/29/2008 18:02	1341.551	7.007666	12.88819	5986.80	29.60
397	4/29/2008 19:02	1341.508	7.006009	12.88819	5986.80	29.60
398	4/29/2008 20:02	1341.382	7.001148	12.88819	5986.79	29.61
399	4/29/2008 21:02	1341.301	6.997953	12.8855	5986.79	29.61
400	4/29/2008 22:02	1341.333	6.999254	12.88794	5986.79	29.61
401	4/29/2008 23:02	1341.509	7.00604	12.88794	5986.80	29.60
402	4/30/2008 0:02	1341.621	7.010355	12.88794	5986.80	29.60
403	4/30/2008 1:02	1341.704	7.013556	12.88794	5986.80	29.60
404	4/30/2008 2:02	1341.873	7.020008	12.8855	5986.81	29.59
405	4/30/2008 3:02	1341.846	7.019031	12.88794	5986.81	29.59
406	4/30/2008 4:02	1341.751	7.015436	12.89039	5986.81	29.59
407	4/30/2008 5:02	1341.65	7.011408	12.8855	5986.80	29.60
408	4/30/2008 6:02	1341.625	7.010443	12.8855	5986.80	29.60

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
409	4/30/2008 7:02	1341.47	7.004466	12.8855	5986.79	29.61
410	4/30/2008 8:02	1341.421	7.002512	12.88306	5986.79	29.61
411	4/30/2008 9:02	1341.094	6.989906	12.88306	5986.78	29.62
412	4/30/2008 10:02	1341.232	6.995227	12.88306	5986.79	29.61
413	4/30/2008 11:02	1341.294	6.997545	12.88062	5986.79	29.61
414	4/30/2008 12:02	1341.369	7.000439	12.88062	5986.79	29.61
415	4/30/2008 13:02	1341.517	7.006075	12.87818	5986.80	29.60
416	4/30/2008 14:02	1341.553	7.00747	12.87842	5986.80	29.60
417	4/30/2008 15:02	1341.677	7.012252	12.87842	5986.80	29.60
418	4/30/2008 16:02	1341.758	7.015316	12.87623	5986.81	29.59
419	4/30/2008 17:02	1341.734	7.01445	12.87842	5986.80	29.60
420	4/30/2008 18:02	1341.637	7.010708	12.87842	5986.80	29.60
421	4/30/2008 19:02	1341.348	6.999569	12.87842	5986.79	29.61
422	4/30/2008 20:02	1341.351	6.99954	12.8733	5986.79	29.61
423	4/30/2008 21:02	1341.042	6.987699	12.87574	5986.78	29.62
424	4/30/2008 22:02	1340.946	6.984069	12.87818	5986.77	29.63
425	4/30/2008 23:02	1340.835	6.979856	12.88062	5986.77	29.63
426	5/1/2008 0:02	1340.653	6.972843	12.88062	5986.76	29.64
427	5/1/2008 1:02	1340.74	6.976061	12.87574	5986.77	29.63
428	5/1/2008 2:02	1340.878	6.981381	12.87574	5986.77	29.63
429	5/1/2008 3:02	1341.358	7.000016	12.88062	5986.79	29.61
430	5/1/2008 4:02	1341.196	6.993629	12.87549	5986.78	29.62
431	5/1/2008 5:02	1341.288	6.997247	12.87818	5986.79	29.61
432	5/1/2008 6:02	1340.991	6.985868	12.88062	5986.78	29.62
433	5/1/2008 7:02	1340.968	6.984916	12.87818	5986.77	29.63
434	5/1/2008 8:02	1340.867	6.980946	12.87549	5986.77	29.63
435	5/1/2008 9:02	1340.763	6.977006	12.87793	5986.77	29.63
436	5/1/2008 10:02	1340.918	6.982845	12.87305	5986.77	29.63
437	5/1/2008 11:02	1340.955	6.98427	12.87305	5986.77	29.63
438	5/1/2008 12:02	1341.112	6.990325	12.87305	5986.78	29.62
439	5/1/2008 13:02	1341.123	6.990748	12.87305	5986.78	29.62
440	5/1/2008 14:02	1341.038	6.987401	12.87061	5986.78	29.62
441	5/1/2008 15:02	1340.873	6.981114	12.87305	5986.77	29.63
442	5/1/2008 16:02	1340.751	6.976478	12.87549	5986.77	29.63
443	5/1/2008 17:02	1340.648	6.972373	12.87061	5986.76	29.64
444	5/1/2008 18:02	1340.581	6.969796	12.87061	5986.76	29.64
445	5/1/2008 19:02	1340.576	6.969609	12.87085	5986.76	29.64
446	5/1/2008 20:02	1340.648	6.972373	12.87061	5986.76	29.64
447	5/1/2008 21:02	1340.641	6.972105	12.87061	5986.76	29.64
448	5/1/2008 22:02	1340.736	6.975696	12.86817	5986.77	29.63
449	5/1/2008 23:02	1340.937	6.983443	12.86817	5986.77	29.63
450	5/2/2008 0:02	1341.044	6.987767	12.87549	5986.78	29.62
451	5/2/2008 1:02	1341.002	6.986081	12.87305	5986.78	29.62
452	5/2/2008 2:02	1340.981	6.985205	12.87061	5986.78	29.62
453	5/2/2008 3:02	1341.056	6.988165	12.87305	5986.78	29.62

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
454	5/2/2008 4:02	1340.966	6.984694	12.87305	5986.77	29.63
455	5/2/2008 5:02	1341.089	6.989361	12.87037	5986.78	29.62
456	5/2/2008 6:02	1340.912	6.982547	12.87061	5986.77	29.63
457	5/2/2008 7:02	1340.882	6.98139	12.87061	5986.77	29.63
458	5/2/2008 8:02	1340.774	6.977232	12.87061	5986.77	29.63
459	5/2/2008 9:02	1340.977	6.984986	12.86817	5986.77	29.63
460	5/2/2008 10:02	1340.668	6.973076	12.86817	5986.76	29.64
461	5/2/2008 11:02	1340.639	6.971827	12.86329	5986.76	29.64
462	5/2/2008 12:02	1340.458	6.964859	12.86353	5986.75	29.65
463	5/2/2008 13:02	1340.298	6.958694	12.86353	5986.75	29.65
464	5/2/2008 14:02	1340.319	6.959443	12.86133	5986.75	29.65
465	5/2/2008 15:02	1339.969	6.945896	12.85889	5986.74	29.66
466	5/2/2008 16:02	1340.014	6.947699	12.86133	5986.74	29.66
467	5/2/2008 17:02	1339.911	6.943731	12.86133	5986.73	29.67
468	5/2/2008 18:02	1339.904	6.943463	12.86133	5986.73	29.67
469	5/2/2008 19:02	1339.881	6.942575	12.86133	5986.73	29.67
470	5/2/2008 20:02	1339.843	6.9411	12.86084	5986.73	29.67
471	5/2/2008 21:02	1339.834	6.94082	12.86329	5986.73	29.67
472	5/2/2008 22:02	1339.895	6.94317	12.86329	5986.73	29.67
473	5/2/2008 23:02	1340.1	6.950994	12.86084	5986.74	29.66
474	5/3/2008 0:02	1340.289	6.958265	12.8606	5986.75	29.65
475	5/3/2008 1:02	1340.379	6.961803	12.86304	5986.75	29.65
476	5/3/2008 2:02	1340.515	6.96698	12.86084	5986.76	29.64
477	5/3/2008 3:02	1340.544	6.968095	12.86084	5986.76	29.64
478	5/3/2008 4:02	1340.515	6.966907	12.85816	5986.76	29.64
479	5/3/2008 5:02	1340.661	6.972673	12.86329	5986.76	29.64
480	5/3/2008 6:02	1340.7	6.974031	12.85816	5986.76	29.64
481	5/3/2008 7:02	1340.684	6.973415	12.85816	5986.76	29.64
482	5/3/2008 8:02	1340.634	6.971498	12.8584	5986.76	29.64
483	5/3/2008 9:02	1340.643	6.971774	12.85596	5986.76	29.64
484	5/3/2008 10:02	1340.679	6.973094	12.85352	5986.76	29.64
485	5/3/2008 11:02	1340.724	6.974775	12.85157	5986.76	29.64
486	5/3/2008 12:02	1340.826	6.978707	12.85157	5986.77	29.63
487	5/3/2008 13:02	1340.88	6.980786	12.85157	5986.77	29.63
488	5/3/2008 14:02	1340.957	6.983755	12.85157	5986.77	29.63
489	5/3/2008 15:02	1340.964	6.98409	12.85401	5986.77	29.63
490	5/3/2008 16:02	1341.009	6.985759	12.85157	5986.78	29.62
491	5/3/2008 17:02	1340.982	6.984787	12.85401	5986.77	29.63
492	5/3/2008 18:02	1340.921	6.982299	12.84913	5986.77	29.63
493	5/3/2008 19:02	1340.846	6.979406	12.84913	5986.77	29.63
494	5/3/2008 20:02	1340.767	6.976431	12.85157	5986.77	29.63
495	5/3/2008 21:02	1340.695	6.973723	12.85401	5986.76	29.64
496	5/3/2008 22:02	1340.616	6.970748	12.85645	5986.76	29.64
497	5/3/2008 23:02	1340.698	6.97376	12.85108	5986.76	29.64
498	5/4/2008 0:02	1340.677	6.97289	12.84888	5986.76	29.64

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
499	5/4/2008 1:02	1340.72	6.974688	12.85401	5986.76	29.64
500	5/4/2008 2:02	1340.783	6.977101	12.85352	5986.77	29.63
501	5/4/2008 3:02	1340.612	6.970449	12.85108	5986.76	29.64
502	5/4/2008 4:02	1340.686	6.973238	12.84888	5986.76	29.64
503	5/4/2008 5:02	1340.653	6.971889	12.8462	5986.76	29.64
504	5/4/2008 6:02	1340.589	6.96956	12.85108	5986.76	29.64
505	5/4/2008 7:02	1340.449	6.964031	12.8462	5986.75	29.65
506	5/4/2008 8:02	1340.445	6.963957	12.84913	5986.75	29.65
507	5/4/2008 9:02	1340.445	6.963815	12.844	5986.75	29.65
508	5/4/2008 10:02	1340.549	6.967963	12.84913	5986.76	29.64
509	5/4/2008 11:02	1340.544	6.967635	12.84424	5986.76	29.64
510	5/4/2008 12:02	1340.56	6.968256	12.84424	5986.76	29.64
511	5/4/2008 13:02	1340.598	6.969786	12.84668	5986.76	29.64
512	5/4/2008 14:02	1340.671	6.972599	12.84668	5986.76	29.64
513	5/4/2008 15:02	1340.706	6.973881	12.84424	5986.76	29.64
514	5/4/2008 16:02	1340.664	6.97219	12.8418	5986.76	29.64
515	5/4/2008 17:02	1340.616	6.970417	12.84449	5986.76	29.64
516	5/4/2008 18:02	1340.585	6.96908	12.83936	5986.76	29.64
517	5/4/2008 19:02	1340.562	6.968196	12.83936	5986.76	29.64
518	5/4/2008 20:02	1340.506	6.966037	12.83936	5986.76	29.64
519	5/4/2008 21:02	1340.452	6.963891	12.83692	5986.75	29.65
520	5/4/2008 22:02	1340.434	6.963263	12.83936	5986.75	29.65
521	5/4/2008 23:02	1340.418	6.962579	12.83692	5986.75	29.65
522	5/5/2008 0:02	1340.488	6.965346	12.83936	5986.76	29.64
523	5/5/2008 1:02	1340.461	6.9643	12.83912	5986.75	29.65
524	5/5/2008 2:02	1340.599	6.969546	12.83667	5986.76	29.64
525	5/5/2008 3:02	1340.745	6.975313	12.8418	5986.77	29.63
526	5/5/2008 4:02	1340.767	6.976086	12.83912	5986.77	29.63
527	5/5/2008 5:02	1340.7	6.973504	12.83912	5986.76	29.64
528	5/5/2008 6:02	1340.704	6.973591	12.83667	5986.76	29.64
529	5/5/2008 7:02	1340.65	6.971654	12.8418	5986.76	29.64
530	5/5/2008 8:02	1340.594	6.969353	12.83667	5986.76	29.64
531	5/5/2008 9:02	1340.651	6.971618	12.83912	5986.76	29.64
532	5/5/2008 10:02	1340.677	6.972626	12.83936	5986.76	29.64
533	5/5/2008 11:02	1340.68	6.972676	12.83692	5986.76	29.64
534	5/5/2008 12:02	1340.747	6.975186	12.83448	5986.77	29.63
535	5/5/2008 13:02	1340.756	6.975602	12.83692	5986.77	29.63
536	5/5/2008 14:02	1340.733	6.974663	12.83497	5986.76	29.64
537	5/5/2008 15:02	1340.849	6.979132	12.83497	5986.77	29.63
538	5/5/2008 16:02	1340.95	6.982947	12.83228	5986.77	29.63
539	5/5/2008 17:02	1340.991	6.984602	12.83497	5986.77	29.63
540	5/5/2008 18:02	1340.993	6.984547	12.83008	5986.77	29.63
541	5/5/2008 19:02	1341.008	6.985187	12.83228	5986.78	29.62
542	5/5/2008 20:02	1340.934	6.982406	12.83497	5986.77	29.63
543	5/5/2008 21:02	1340.869	6.979754	12.82959	5986.77	29.63

Well No. 82308
Water Level Readings

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Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
544	5/5/2008 22:02	1340.785	6.976585	12.83204	5986.77	29.63
545	5/5/2008 23:02	1340.937	6.982442	12.83204	5986.77	29.63
546	5/6/2008 0:02	1340.964	6.983414	12.82959	5986.77	29.63
547	5/6/2008 1:02	1341.089	6.988231	12.82959	5986.78	29.62
548	5/6/2008 2:02	1341.161	6.991142	12.83448	5986.78	29.62
549	5/6/2008 3:02	1341.276	6.995574	12.83448	5986.79	29.61
550	5/6/2008 4:02	1341.105	6.988983	12.83448	5986.78	29.62
551	5/6/2008 5:02	1341.074	6.987855	12.83692	5986.78	29.62
552	5/6/2008 6:02	1341.036	6.986318	12.83423	5986.78	29.62
553	5/6/2008 7:02	1340.948	6.982858	12.83179	5986.77	29.63
554	5/6/2008 8:02	1340.955	6.983201	12.83448	5986.77	29.63
555	5/6/2008 9:02	1340.972	6.983656	12.82715	5986.77	29.63
556	5/6/2008 10:02	1341.017	6.98532	12.82471	5986.78	29.62
557	5/6/2008 11:02	1341.024	6.985661	12.82715	5986.78	29.62
558	5/6/2008 12:02	1341.049	6.986417	12.81983	5986.78	29.62
559	5/6/2008 13:02	1341.134	6.989771	12.82251	5986.78	29.62
560	5/6/2008 14:02	1340.675	6.972226	12.82764	5986.76	29.64
561	5/6/2008 15:02	1340.822	6.977889	12.82764	5986.77	29.63
562	5/6/2008 16:02	1341.006	6.984836	12.82251	5986.77	29.63
563	5/6/2008 17:02	1340.889	6.980255	12.81983	5986.77	29.63
564	5/6/2008 18:02	1340.934	6.981851	12.81495	5986.77	29.63
565	5/6/2008 19:02	1340.815	6.977339	12.81763	5986.77	29.63
566	5/6/2008 20:02	1340.555	6.967326	12.81763	5986.76	29.64
567	5/6/2008 21:02	1340.47	6.964048	12.81763	5986.75	29.65
568	5/6/2008 22:02	1340.506	6.965645	12.8252	5986.76	29.64
569	5/6/2008 23:02	1340.574	6.96819	12.82251	5986.76	29.64
570	5/7/2008 0:02	1340.734	6.974355	12.82251	5986.76	29.64
571	5/7/2008 1:02	1340.999	6.984493	12.81983	5986.77	29.63
572	5/7/2008 2:02	1341.011	6.984954	12.81983	5986.77	29.63
573	5/7/2008 3:02	1340.815	6.977325	12.81714	5986.77	29.63
574	5/7/2008 4:02	1340.555	6.967326	12.81763	5986.76	29.64
575	5/7/2008 5:02	1340.655	6.971177	12.81763	5986.76	29.64
576	5/7/2008 6:02	1340.646	6.970829	12.81763	5986.76	29.64
577	5/7/2008 7:02	1340.646	6.970829	12.81763	5986.76	29.64
578	5/7/2008 8:02	1340.655	6.971238	12.81983	5986.76	29.64
579	5/7/2008 9:02	1340.714	6.973368	12.8147	5986.76	29.64
580	5/7/2008 10:02	1340.696	6.972757	12.81763	5986.76	29.64
581	5/7/2008 11:02	1340.74	6.974451	12.81763	5986.76	29.64
582	5/7/2008 12:02	1340.84	6.978303	12.81763	5986.77	29.63
583	5/7/2008 13:02	1340.952	6.982547	12.81495	5986.77	29.63
584	5/7/2008 14:02	1340.907	6.980811	12.81495	5986.77	29.63
585	5/7/2008 15:02	1340.979	6.983667	12.81788	5986.77	29.63
586	5/7/2008 16:02	1341.085	6.987541	12.81031	5986.78	29.62
587	5/7/2008 17:02	1341.044	6.98596	12.81031	5986.78	29.62
588	5/7/2008 18:02	1341.105	6.988313	12.81031	5986.78	29.62

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
589	5/7/2008 19:02	1341.184	6.991357	12.81031	5986.78	29.62
590	5/7/2008 20:02	1341.065	6.986702	12.80787	5986.78	29.62
591	5/7/2008 21:02	1341.071	6.987005	12.81031	5986.78	29.62
592	5/7/2008 22:02	1340.943	6.982002	12.80787	5986.77	29.63
593	5/7/2008 23:02	1340.936	6.981802	12.81031	5986.77	29.63
594	5/8/2008 0:02	1341.011	6.984758	12.81275	5986.77	29.63
595	5/8/2008 1:02	1340.981	6.983533	12.81031	5986.77	29.63
596	5/8/2008 2:02	1341.044	6.98596	12.81031	5986.78	29.62
597	5/8/2008 3:02	1340.97	6.983238	12.81495	5986.77	29.63
598	5/8/2008 4:02	1340.851	6.978652	12.81495	5986.77	29.63
599	5/8/2008 5:02	1341.049	6.986282	12.81495	5986.78	29.62
600	5/8/2008 6:02	1340.984	6.983779	12.81495	5986.77	29.63
601	5/8/2008 7:02	1340.941	6.982049	12.81226	5986.77	29.63
602	5/8/2008 8:02	1340.964	6.982947	12.81275	5986.77	29.63
603	5/8/2008 9:02	1340.954	6.982493	12.81031	5986.77	29.63
604	5/8/2008 10:02	1340.912	6.980808	12.80787	5986.77	29.63
605	5/8/2008 11:02	1340.779	6.975753	12.81031	5986.77	29.63
606	5/8/2008 12:02	1340.853	6.978536	12.80787	5986.77	29.63
607	5/8/2008 13:02	1340.884	6.97973	12.80787	5986.77	29.63
608	5/8/2008 14:02	1340.986	6.98359	12.80542	5986.77	29.63
609	5/8/2008 15:02	1340.74	6.974112	12.80542	5986.76	29.64
610	5/8/2008 16:02	1340.772	6.975345	12.80542	5986.77	29.63
611	5/8/2008 17:02	1340.648	6.970634	12.80787	5986.76	29.64
612	5/8/2008 18:02	1340.551	6.9669	12.80787	5986.76	29.64
613	5/8/2008 19:02	1340.553	6.966975	12.80787	5986.76	29.64
614	5/8/2008 20:02	1340.389	6.960727	12.81031	5986.75	29.65
615	5/8/2008 21:02	1340.285	6.956654	12.80787	5986.75	29.65
616	5/8/2008 22:02	1340.17	6.952225	12.80787	5986.74	29.66
617	5/8/2008 23:02	1340.1	6.949458	12.80542	5986.74	29.66
618	5/9/2008 0:02	1340.219	6.954042	12.80542	5986.74	29.66
619	5/9/2008 1:02	1340.404	6.961238	12.80787	5986.75	29.65
620	5/9/2008 2:02	1340.571	6.967603	12.80542	5986.76	29.64
621	5/9/2008 3:02	1340.601	6.96881	12.80738	5986.76	29.64
622	5/9/2008 4:02	1340.639	6.970291	12.80787	5986.76	29.64
623	5/9/2008 5:02	1340.63	6.9698	12.80274	5986.76	29.64
624	5/9/2008 6:02	1340.693	6.972288	12.80494	5986.76	29.64
625	5/9/2008 7:02	1340.637	6.970001	12.8003	5986.76	29.64
626	5/9/2008 8:02	1340.749	6.974325	12.80054	5986.76	29.64
627	5/9/2008 9:02	1340.774	6.975289	12.80054	5986.77	29.63
628	5/9/2008 10:02	1340.855	6.978408	12.80054	5986.77	29.63
629	5/9/2008 11:02	1340.894	6.979778	12.79566	5986.77	29.63
630	5/9/2008 12:02	1340.927	6.981115	12.7981	5986.77	29.63
631	5/9/2008 13:02	1341.105	6.988042	12.80054	5986.78	29.62
632	5/9/2008 14:02	1341.038	6.985392	12.7981	5986.78	29.62
633	5/9/2008 15:02	1341.072	6.986704	12.7981	5986.78	29.62

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
634	5/9/2008 16:02	1341.015	6.984507	12.7981	5986.77	29.63
635	5/9/2008 17:02	1340.851	6.97826	12.80079	5986.77	29.63
636	5/9/2008 18:02	1340.752	6.974377	12.79834	5986.76	29.64
637	5/9/2008 19:02	1340.774	6.975167	12.79615	5986.77	29.63
638	5/9/2008 20:02	1340.706	6.972602	12.7981	5986.76	29.64
639	5/9/2008 21:02	1340.382	6.960116	12.7981	5986.75	29.65
640	5/9/2008 22:02	1340.111	6.949611	12.79566	5986.74	29.66
641	5/9/2008 23:02	1340.368	6.95958	12.7981	5986.75	29.65
642	5/10/2008 0:02	1340.542	6.966146	12.79322	5986.76	29.64
643	5/10/2008 1:02	1340.458	6.963046	12.7981	5986.75	29.65
644	5/10/2008 2:02	1340.991	6.983648	12.80054	5986.77	29.63
645	5/10/2008 3:02	1340.882	6.97938	12.7981	5986.77	29.63
646	5/10/2008 4:02	1340.813	6.976715	12.79786	5986.77	29.63
647	5/10/2008 5:02	1340.65	6.970376	12.79566	5986.76	29.64
648	5/10/2008 6:02	1340.619	6.969106	12.79297	5986.76	29.64
649	5/10/2008 7:02	1340.502	6.964671	12.79566	5986.75	29.65
650	5/10/2008 8:02	1340.307	6.957229	12.7981	5986.75	29.65
651	5/10/2008 9:02	1340.47	6.963506	12.7981	5986.75	29.65
652	5/10/2008 10:02	1340.555	6.966649	12.79322	5986.76	29.64
653	5/10/2008 11:02	1340.201	6.952938	12.79053	5986.74	29.66
654	5/10/2008 12:02	1340.161	6.951471	12.79322	5986.74	29.66
655	5/10/2008 13:02	1340.001	6.945301	12.79297	5986.74	29.66
656	5/10/2008 14:02	1340.037	6.946762	12.79566	5986.74	29.66
657	5/10/2008 15:02	1340.114	6.949661	12.79322	5986.74	29.66
658	5/10/2008 16:02	1340.176	6.952049	12.79322	5986.74	29.66
659	5/10/2008 17:02	1340.17	6.951684	12.78834	5986.74	29.66
660	5/10/2008 18:02	1340.236	6.954222	12.78834	5986.74	29.66
661	5/10/2008 19:02	1340.301	6.956728	12.78834	5986.75	29.65
662	5/10/2008 20:02	1340.285	6.956247	12.79322	5986.75	29.65
663	5/10/2008 21:02	1340.271	6.955774	12.79566	5986.75	29.65
664	5/10/2008 22:02	1340.217	6.953696	12.79566	5986.74	29.66
665	5/10/2008 23:02	1340.287	6.956316	12.79297	5986.75	29.65
666	5/11/2008 0:02	1340.413	6.961168	12.79297	5986.75	29.65
667	5/11/2008 1:02	1340.626	6.969374	12.79297	5986.76	29.64
668	5/11/2008 2:02	1340.812	6.976542	12.79297	5986.77	29.63
669	5/11/2008 3:02	1340.912	6.980327	12.79053	5986.77	29.63
670	5/11/2008 4:02	1340.668	6.970857	12.78809	5986.76	29.64
671	5/11/2008 5:02	1340.828	6.977023	12.78809	5986.77	29.63
672	5/11/2008 6:02	1340.874	6.978796	12.78809	5986.77	29.63
673	5/11/2008 7:02	1340.72	6.972928	12.79053	5986.76	29.64
674	5/11/2008 8:02	1340.743	6.973749	12.78809	5986.76	29.64
675	5/11/2008 9:02	1340.803	6.975991	12.78565	5986.77	29.63
676	5/11/2008 10:02	1340.892	6.979488	12.78809	5986.77	29.63
677	5/11/2008 11:02	1340.891	6.979383	12.78565	5986.77	29.63
678	5/11/2008 12:02	1341.049	6.985476	12.78589	5986.78	29.62

Well No. 82308
Water Level Readings

G.S. Elev.	6016.4
Depth of Piezometer (ft)	36.61
Elev. Of Piezometer	5979.79

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
679	5/11/2008 13:02	1341.15	6.989372	12.78589	5986.78	29.62
680	5/11/2008 14:02	1341.274	6.99422	12.78834	5986.78	29.62
681	5/11/2008 15:02	1341.326	6.996096	12.7837	5986.79	29.61
682	5/11/2008 16:02	1341.274	6.994017	12.78101	5986.78	29.62
683	5/11/2008 17:02	1341.283	6.99436	12.78101	5986.78	29.62
684	5/11/2008 18:02	1341.247	6.992911	12.77881	5986.78	29.62
685	5/11/2008 19:02	1341.229	6.992219	12.77881	5986.78	29.62
686	5/11/2008 20:02	1341.157	6.989505	12.78101	5986.78	29.62
687	5/11/2008 21:02	1341.166	6.989724	12.77637	5986.78	29.62
688	5/11/2008 22:02	1341.227	6.992145	12.77881	5986.78	29.62
689	5/11/2008 23:02	1341.294	6.994723	12.77881	5986.78	29.62
690	5/12/2008 0:02	1341.225	6.992064	12.77881	5986.78	29.62
691	5/12/2008 1:02	1341.353	6.996933	12.77637	5986.79	29.61
692	5/12/2008 2:02	1341.483	7.001945	12.77637	5986.79	29.61
693	5/12/2008 3:02	1341.572	7.005443	12.77881	5986.80	29.60
694	5/12/2008 4:02	1341.515	7.003306	12.78101	5986.79	29.61
695	5/12/2008 5:02	1341.448	7.000722	12.78101	5986.79	29.61
696	5/12/2008 6:02	1341.418	6.999565	12.78101	5986.79	29.61
697	5/12/2008 7:02	1341.337	6.996384	12.77881	5986.79	29.61
698	5/12/2008 8:02	1341.34	6.996429	12.77637	5986.79	29.61
699	5/12/2008 9:02	1341.366	6.997499	12.77881	5986.79	29.61
700	5/12/2008 10:02	1341.418	6.999436	12.77637	5986.79	29.61
	5/12 AVG				5986.79	29.61

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
6	4/13/2008 10:57	1329.602	10.26134	12.22584	5979.81	16.79
7	4/13/2008 11:57	1329.429	10.25429	12.21827	5979.80	16.80
8	4/13/2008 12:57	1329.752	10.2672	12.22584	5979.82	16.78
9	4/13/2008 13:57	1329.955	10.27503	12.22339	5979.83	16.77
10	4/13/2008 14:57	1330.517	10.29698	12.22339	5979.85	16.75
11	4/13/2008 15:57	1330.238	10.28608	12.22339	5979.84	16.76
12	4/13/2008 16:57	1330.384	10.29169	12.22095	5979.84	16.76
13	4/13/2008 17:57	1330.433	10.29361	12.22095	5979.84	16.76
14	4/13/2008 18:57	1330.442	10.29378	12.21631	5979.84	16.76
15	4/13/2008 19:57	1330.491	10.29587	12.22095	5979.85	16.75
16	4/13/2008 20:57	1330.402	10.29239	12.22095	5979.84	16.76
17	4/13/2008 21:57	1329.451	10.25525	12.22071	5979.81	16.79
18	4/13/2008 22:57	1330.247	10.28614	12.21582	5979.84	16.76
19	4/13/2008 23:57	1330.584	10.2995	12.22071	5979.85	16.75
	4/13 AVG				5979.83	16.77
20	4/14/2008 0:57	1330.291	10.28796	12.21827	5979.84	16.76
21	4/14/2008 1:57	1330.646	10.30173	12.21582	5979.85	16.75
22	4/14/2008 2:57	1330.756	10.30593	12.21338	5979.86	16.74
23	4/14/2008 3:57	1330.894	10.31133	12.21338	5979.86	16.74
24	4/14/2008 4:57	1330.951	10.31365	12.21582	5979.86	16.74
25	4/14/2008 5:57	1330.889	10.31123	12.21582	5979.86	16.74
26	4/14/2008 6:57	1330.889	10.31113	12.21338	5979.86	16.74
27	4/14/2008 7:57	1330.721	10.30447	12.21094	5979.85	16.75
28	4/14/2008 8:57	1328.065	10.2007	12.2085	5979.75	16.85
29	4/14/2008 9:57	1330.947	10.31321	12.2085	5979.86	16.74
30	4/14/2008 10:57	1332.947	10.39145	12.20899	5979.94	16.66
31	4/14/2008 11:57	1330.854	10.3094	12.20411	5979.86	16.74
32	4/14/2008 12:57	1331.261	10.32522	12.20166	5979.88	16.72
33	4/14/2008 13:57	1331.164	10.32142	12.20166	5979.87	16.73
34	4/14/2008 14:57	1331.341	10.32834	12.20166	5979.88	16.72
35	4/14/2008 15:57	1331.607	10.33875	12.20166	5979.89	16.71
36	4/14/2008 16:57	1331.394	10.33051	12.20411	5979.88	16.72
37	4/14/2008 17:57	1331.487	10.33394	12.19874	5979.88	16.72
38	4/14/2008 18:57	1331.655	10.34053	12.19922	5979.89	16.71
39	4/14/2008 19:57	1331.62	10.33925	12.20166	5979.89	16.71
40	4/14/2008 20:57	1331.447	10.33258	12.20411	5979.88	16.72
41	4/14/2008 21:57	1331.447	10.33229	12.19654	5979.88	16.72
42	4/14/2008 22:57	1331.283	10.32596	12.19874	5979.88	16.72
43	4/14/2008 23:57	1331.509	10.33473	12.19678	5979.88	16.72
44	4/15/2008 0:57	1331.797	10.34608	12.19922	5979.90	16.70
45	4/15/2008 1:57	1331.678	10.34113	12.19166	5979.89	16.71
46	4/15/2008 2:57	1332.627	10.37845	12.19654	5979.93	16.67
47	4/15/2008 3:57	1333.427	10.40976	12.19654	5979.96	16.64
48	4/15/2008 4:57	1332.024	10.35467	12.19166	5979.90	16.70
49	4/15/2008 5:57	1332.144	10.35936	12.19166	5979.91	16.69

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
50	4/15/2008 6:57	1332.028	10.35473	12.18921	5979.90	16.70
51	4/15/2008 7:57	1332.055	10.35608	12.19678	5979.91	16.69
52	4/15/2008 8:57	1332.144	10.35937	12.1919	5979.91	16.69
53	4/15/2008 9:57	1332.09	10.35707	12.18702	5979.91	16.69
54	4/15/2008 10:57	1331	10.31437	12.18506	5979.86	16.74
55	4/15/2008 11:57	1332.352	10.36714	12.18238	5979.92	16.68
56	4/15/2008 12:57	1332.512	10.37329	12.17969	5979.92	16.68
57	4/15/2008 13:57	1332.667	10.37955	12.18457	5979.93	16.67
58	4/15/2008 14:57	1333.076	10.39546	12.18189	5979.95	16.65
59	4/15/2008 15:57	1332.818	10.38537	12.18238	5979.94	16.66
60	4/15/2008 16:57	1332.689	10.38021	12.17945	5979.93	16.67
61	4/15/2008 17:57	1332.498	10.37285	12.18238	5979.92	16.68
62	4/15/2008 18:57	1332.654	10.37885	12.17945	5979.93	16.67
63	4/15/2008 19:57	1333.84	10.42518	12.17701	5979.98	16.62
64	4/15/2008 20:57	1331.97	10.35228	12.18457	5979.90	16.70
65	4/15/2008 21:57	1332.148	10.35905	12.17969	5979.91	16.69
66	4/15/2008 22:57	1331.585	10.33714	12.18238	5979.89	16.71
67	4/15/2008 23:57	1331.669	10.34042	12.18238	5979.89	16.71
68	4/16/2008 0:57	1331.341	10.3276	12.18238	5979.88	16.72
69	4/16/2008 1:57	1331.492	10.3334	12.17969	5979.88	16.72
70	4/16/2008 2:57	1330.694	10.30201	12.17457	5979.85	16.75
71	4/16/2008 3:57	1330.437	10.29217	12.17969	5979.84	16.76
72	4/16/2008 4:57	1330.327	10.28795	12.18189	5979.84	16.76
73	4/16/2008 5:57	1330.203	10.28302	12.17945	5979.83	16.77
74	4/16/2008 6:57	1330.208	10.28302	12.17457	5979.83	16.77
75	4/16/2008 7:57	1330.477	10.29363	12.17701	5979.84	16.76
76	4/16/2008 8:57	1330.548	10.2965	12.17969	5979.85	16.75
77	4/16/2008 9:57	1330.38	10.28984	12.17725	5979.84	16.76
78	4/16/2008 10:57	1330.075	10.27784	12.17505	5979.83	16.77
79	4/16/2008 11:57	1329.924	10.27203	12.17725	5979.82	16.78
80	4/16/2008 12:57	1330.168	10.28148	12.17505	5979.83	16.77
81	4/16/2008 13:57	1329.734	10.26453	12.17505	5979.81	16.79
82	4/16/2008 14:57	1329.597	10.25927	12.17725	5979.81	16.79
83	4/16/2008 15:57	1329.664	10.26159	12.16968	5979.81	16.79
84	4/16/2008 16:57	1329.752	10.26532	12.17725	5979.82	16.78
85	4/16/2008 17:57	1329.562	10.25789	12.17701	5979.81	16.79
86	4/16/2008 18:57	1329.535	10.25684	12.17701	5979.81	16.79
87	4/16/2008 19:57	1330.075	10.27764	12.16968	5979.83	16.77
88	4/16/2008 20:57	1329.845	10.26875	12.17212	5979.82	16.78
89	4/16/2008 21:57	1329.628	10.26037	12.17457	5979.81	16.79
90	4/16/2008 22:57	1330.066	10.27758	12.17725	5979.83	16.77
91	4/16/2008 23:57	1329.942	10.27244	12.16968	5979.82	16.78
92	4/17/2008 0:57	1330.004	10.27477	12.16724	5979.82	16.78
93	4/17/2008 1:57	1330.132	10.27967	12.1648	5979.83	16.77
94	4/17/2008 2:57	1330.154	10.28035	12.15992	5979.83	16.77

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
95	4/17/2008 3:57	1329.84	10.26818	12.16236	5979.82	16.78
96	4/17/2008 4:57	1330.212	10.2829	12.16724	5979.83	16.77
97	4/17/2008 5:57	1329.986	10.27407	12.16724	5979.82	16.78
98	4/17/2008 6:57	1330.168	10.28108	12.1648	5979.83	16.77
99	4/17/2008 7:57	1329.849	10.26905	12.17579	5979.82	16.78
100	4/17/2008 8:57	1329.796	10.26655	12.1648	5979.82	16.78
101	4/17/2008 9:57	1330.057	10.27686	12.16773	5979.83	16.77
102	4/17/2008 10:57	1330.044	10.27644	12.17017	5979.83	16.77
103	4/17/2008 11:57	1330.106	10.27868	12.16529	5979.83	16.77
104	4/17/2008 12:57	1330.676	10.30085	12.16285	5979.85	16.75
105	4/17/2008 13:57	1330.637	10.29914	12.15796	5979.85	16.75
106	4/17/2008 14:57	1330.637	10.29933	12.16285	5979.85	16.75
107	4/17/2008 15:57	1330.854	10.30752	12.15552	5979.86	16.74
108	4/17/2008 16:57	1330.814	10.30596	12.15552	5979.86	16.74
109	4/17/2008 17:57	1330.995	10.31302	12.15528	5979.86	16.74
110	4/17/2008 18:57	1330.836	10.30681	12.15528	5979.86	16.74
111	4/17/2008 19:57	1331.031	10.31435	12.15308	5979.86	16.74
112	4/17/2008 20:57	1330.765	10.30394	12.15284	5979.85	16.75
113	4/17/2008 21:57	1330.65	10.29945	12.15284	5979.85	16.75
114	4/17/2008 22:57	1331.075	10.31606	12.15284	5979.87	16.73
115	4/17/2008 23:57	1331.102	10.31702	12.1504	5979.87	16.73
116	4/18/2008 0:57	1331.319	10.32582	12.1587	5979.88	16.72
117	4/18/2008 1:57	1331.288	10.32448	12.15528	5979.87	16.73
118	4/18/2008 2:57	1331.332	10.32611	12.15284	5979.88	16.72
119	4/18/2008 3:57	1331.319	10.3255	12.1504	5979.88	16.72
120	4/18/2008 4:57	1331.093	10.31676	12.15284	5979.87	16.73
121	4/18/2008 5:57	1331.381	10.32802	12.15284	5979.88	16.72
122	4/18/2008 6:57	1331.022	10.31408	12.15528	5979.86	16.74
123	4/18/2008 7:57	1330.823	10.306	12.14747	5979.86	16.74
124	4/18/2008 8:57	1329.624	10.25939	12.15308	5979.81	16.79
125	4/18/2008 9:57	1331.128	10.31785	12.14551	5979.87	16.73
126	4/18/2008 10:57	1330.942	10.31068	12.1482	5979.86	16.74
127	4/18/2008 11:57	1331	10.31258	12.13868	5979.86	16.74
128	4/18/2008 12:57	1330.964	10.31126	12.14112	5979.86	16.74
129	4/18/2008 13:57	1331.044	10.31439	12.14112	5979.86	16.74
130	4/18/2008 14:57	1330.654	10.29924	12.14332	5979.85	16.75
131	4/18/2008 15:57	1331.314	10.32495	12.14112	5979.87	16.73
132	4/18/2008 16:57	1331.328	10.3253	12.13624	5979.88	16.72
133	4/18/2008 17:57	1331.483	10.33137	12.13624	5979.88	16.72
134	4/18/2008 18:57	1331.195	10.31991	12.13135	5979.87	16.73
135	4/18/2008 19:57	1330.96	10.31119	12.14332	5979.86	16.74
136	4/18/2008 20:57	1331.031	10.31379	12.13868	5979.86	16.74
137	4/18/2008 21:57	1330.836	10.30627	12.14112	5979.86	16.74
138	4/18/2008 22:57	1330.894	10.30844	12.13868	5979.86	16.74
139	4/18/2008 23:57	1331.017	10.31315	12.13624	5979.86	16.74

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
140	4/19/2008 0:57	1330.836	10.30615	12.13819	5979.86	16.74
141	4/19/2008 1:57	1330.814	10.30522	12.13648	5979.86	16.74
142	4/19/2008 2:57	1331.048	10.31443	12.13819	5979.86	16.74
143	4/19/2008 3:57	1330.787	10.30414	12.13575	5979.85	16.75
144	4/19/2008 4:57	1330.783	10.30379	12.13086	5979.85	16.75
145	4/19/2008 5:57	1330.92	10.30915	12.13086	5979.86	16.74
146	4/19/2008 6:57	1330.716	10.30129	12.13379	5979.85	16.75
147	4/19/2008 7:57	1330.659	10.29897	12.13135	5979.85	16.75
148	4/19/2008 8:57	1330.836	10.30589	12.13135	5979.86	16.74
149	4/19/2008 9:57	1330.774	10.30337	12.12891	5979.85	16.75
150	4/19/2008 10:57	1330.331	10.28616	12.13135	5979.84	16.76
151	4/19/2008 11:57	1330.924	10.30932	12.13135	5979.86	16.74
152	4/19/2008 12:57	1330.964	10.3107	12.12647	5979.86	16.74
153	4/19/2008 13:57	1331.141	10.31762	12.12647	5979.87	16.73
154	4/19/2008 14:57	1331.456	10.33003	12.12891	5979.88	16.72
155	4/19/2008 15:57	1331.492	10.33143	12.12891	5979.88	16.72
156	4/19/2008 16:57	1331.638	10.33703	12.12598	5979.89	16.71
157	4/19/2008 17:57	1331.5	10.33184	12.13135	5979.88	16.72
158	4/19/2008 18:57	1331.141	10.31752	12.12403	5979.87	16.73
159	4/19/2008 19:57	1331.274	10.32272	12.12403	5979.87	16.73
160	4/19/2008 20:57	1330.955	10.31034	12.12647	5979.86	16.74
161	4/19/2008 21:57	1331.221	10.32084	12.12891	5979.87	16.73
162	4/19/2008 22:57	1331.243	10.32142	12.12159	5979.87	16.73
163	4/19/2008 23:57	1331.172	10.31845	12.1167	5979.87	16.73
164	4/20/2008 0:57	1331.328	10.32493	12.12647	5979.87	16.73
165	4/20/2008 1:57	1331.195	10.31973	12.12647	5979.87	16.73
166	4/20/2008 2:57	1331.097	10.31568	12.12085	5979.87	16.73
167	4/20/2008 3:57	1331.372	10.32644	12.1211	5979.88	16.72
168	4/20/2008 4:57	1331.239	10.32115	12.11866	5979.87	16.73
169	4/20/2008 5:57	1331.079	10.31519	12.12647	5979.87	16.73
170	4/20/2008 6:57	1331.239	10.32135	12.12403	5979.87	16.73
171	4/20/2008 7:57	1331.062	10.31444	12.12403	5979.86	16.74
172	4/20/2008 8:57	1330.947	10.30975	12.11915	5979.86	16.74
173	4/20/2008 9:57	1331.305	10.32375	12.11915	5979.87	16.73
174	4/20/2008 10:57	1331.15	10.3175	12.11426	5979.87	16.73
175	4/20/2008 11:57	1331.071	10.3146	12.11915	5979.86	16.74
176	4/20/2008 12:57	1331.536	10.33279	12.11939	5979.88	16.72
177	4/20/2008 13:57	1331.398	10.32718	12.11402	5979.88	16.72
178	4/20/2008 14:57	1331.283	10.32248	12.10865	5979.87	16.73
179	4/20/2008 15:57	1331.15	10.31739	12.11158	5979.87	16.73
180	4/20/2008 16:57	1331.345	10.32502	12.11182	5979.88	16.72
181	4/20/2008 17:57	1331.053	10.31341	12.10669	5979.86	16.74
182	4/20/2008 18:57	1330.765	10.30264	12.11915	5979.85	16.75
183	4/20/2008 19:57	1330.433	10.28957	12.1167	5979.84	16.76
184	4/20/2008 20:57	1330.119	10.27721	12.11426	5979.83	16.77

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
185	4/20/2008 21:57	1330.11	10.27695	12.1167	5979.83	16.77
186	4/20/2008 22:57	1329.748	10.26282	12.1167	5979.81	16.79
187	4/20/2008 23:57	1329.734	10.26227	12.1167	5979.81	16.79
188	4/21/2008 0:57	1329.323	10.24595	12.10962	5979.80	16.80
189	4/21/2008 1:57	1329.027	10.23448	12.11158	5979.78	16.82
190	4/21/2008 2:57	1328.899	10.22958	12.11402	5979.78	16.82
191	4/21/2008 3:57	1328.966	10.23219	12.11402	5979.78	16.82
192	4/21/2008 4:57	1328.952	10.23155	12.11158	5979.78	16.82
193	4/21/2008 5:57	1328.966	10.232	12.10914	5979.78	16.82
194	4/21/2008 6:57	1328.754	10.22392	12.11402	5979.77	16.83
195	4/21/2008 7:57	1328.599	10.21768	12.10914	5979.77	16.83
196	4/21/2008 8:57	1328.705	10.22173	12.10694	5979.77	16.83
197	4/21/2008 9:57	1327.739	10.18416	12.10962	5979.73	16.87
198	4/21/2008 10:57	1328.983	10.23248	12.10425	5979.78	16.82
199	4/21/2008 11:57	1329.425	10.24983	12.10694	5979.80	16.80
200	4/21/2008 12:57	1329.703	10.26068	12.10694	5979.81	16.79
201	4/21/2008 13:57	1329.739	10.262	12.1045	5979.81	16.79
202	4/21/2008 14:57	1329.827	10.26534	12.10206	5979.82	16.78
203	4/21/2008 15:57	1329.911	10.26871	12.1045	5979.82	16.78
204	4/21/2008 16:57	1329.854	10.26658	12.10694	5979.82	16.78
205	4/21/2008 17:57	1329.478	10.25181	12.1045	5979.80	16.80
206	4/21/2008 18:57	1329.398	10.24868	12.1045	5979.80	16.80
207	4/21/2008 19:57	1329.191	10.2406	12.1045	5979.79	16.81
208	4/21/2008 20:57	1328.789	10.22491	12.1045	5979.77	16.83
209	4/21/2008 21:57	1328.621	10.21808	12.09717	5979.77	16.83
210	4/21/2008 22:57	1328.59	10.21706	12.10206	5979.77	16.83
211	4/21/2008 23:57	1328.665	10.21988	12.09937	5979.77	16.83
212	4/22/2008 0:57	1328.604	10.21731	12.09449	5979.77	16.83
213	4/22/2008 1:57	1328.833	10.22653	12.10181	5979.78	16.82
214	4/22/2008 2:57	1328.992	10.23273	12.10181	5979.78	16.82
215	4/22/2008 3:57	1329.089	10.23661	12.10425	5979.79	16.81
216	4/22/2008 4:57	1329.001	10.23308	12.10181	5979.78	16.82
217	4/22/2008 5:57	1329.005	10.23315	12.09937	5979.78	16.82
218	4/22/2008 6:57	1328.908	10.22945	12.10181	5979.78	16.82
219	4/22/2008 7:57	1329.164	10.23916	12.09449	5979.79	16.81
220	4/22/2008 8:57	1329.213	10.24117	12.09693	5979.79	16.81
221	4/22/2008 9:57	1329.186	10.24004	12.09498	5979.79	16.81
222	4/22/2008 10:57	1329.111	10.23711	12.09498	5979.79	16.81
223	4/22/2008 11:57	1329.129	10.23753	12.08765	5979.79	16.81
224	4/22/2008 12:57	1328.718	10.22168	12.09253	5979.77	16.83
225	4/22/2008 13:57	1329.664	10.25832	12.08521	5979.81	16.79
226	4/22/2008 14:57	1329.668	10.25816	12.07715	5979.81	16.79
227	4/22/2008 15:57	1329.796	10.26366	12.09009	5979.81	16.79
228	4/22/2008 16:57	1329.774	10.26262	12.08521	5979.81	16.79
229	4/22/2008 17:57	1330.278	10.28239	12.08765	5979.83	16.77

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
230	4/22/2008 18:57	1330.017	10.27174	12.07593	5979.82	16.78
231	4/22/2008 19:57	1329.831	10.26494	12.08765	5979.81	16.79
232	4/22/2008 20:57	1329.593	10.25564	12.08765	5979.81	16.79
233	4/22/2008 21:57	1329.438	10.2494	12.08277	5979.80	16.80
234	4/22/2008 22:57	1329.721	10.26064	12.08765	5979.81	16.79
235	4/22/2008 23:57	1329.818	10.26462	12.09253	5979.81	16.79
236	4/23/2008 0:57	1329.982	10.27081	12.08716	5979.82	16.78
237	4/23/2008 1:57	1329.982	10.27112	12.09498	5979.82	16.78
238	4/23/2008 2:57	1330.176	10.2785	12.09009	5979.83	16.77
239	4/23/2008 3:57	1330.123	10.27632	12.08716	5979.83	16.77
240	4/23/2008 4:57	1330.168	10.27838	12.09498	5979.83	16.77
241	4/23/2008 5:57	1330.106	10.27575	12.0896	5979.83	16.77
242	4/23/2008 6:57	1329.946	10.26941	12.08716	5979.82	16.78
243	4/23/2008 7:57	1330.19	10.27895	12.08765	5979.83	16.77
244	4/23/2008 8:57	1330.433	10.28845	12.08765	5979.84	16.76
245	4/23/2008 9:57	1330.415	10.28784	12.09009	5979.84	16.76
246	4/23/2008 10:57	1330.508	10.29157	12.09253	5979.84	16.76
247	4/23/2008 11:57	1330.548	10.29285	12.08521	5979.84	16.76
248	4/23/2008 12:57	1331.141	10.31583	12.08033	5979.87	16.73
249	4/23/2008 13:57	1331.017	10.31097	12.08008	5979.86	16.74
250	4/23/2008 14:57	1330.96	10.30885	12.08277	5979.86	16.74
251	4/23/2008 15:57	1331.43	10.32723	12.08277	5979.88	16.72
252	4/23/2008 16:57	1331.27	10.32097	12.08277	5979.87	16.73
253	4/23/2008 17:57	1331.11	10.31481	12.08521	5979.86	16.74
254	4/23/2008 18:57	1331.026	10.31162	12.08765	5979.86	16.74
255	4/23/2008 19:57	1331.155	10.31657	12.08521	5979.87	16.73
256	4/23/2008 20:57	1330.739	10.30031	12.08521	5979.85	16.75
257	4/23/2008 21:57	1330.354	10.28508	12.08033	5979.84	16.76
258	4/23/2008 22:57	1330.163	10.27762	12.08033	5979.83	16.77
259	4/23/2008 23:57	1330.039	10.27268	12.07789	5979.82	16.78
260	4/24/2008 0:57	1330.384	10.28616	12.07789	5979.84	16.76
261	4/24/2008 1:57	1330.181	10.27821	12.0774	5979.83	16.77
262	4/24/2008 2:57	1330.119	10.2759	12.08033	5979.83	16.77
263	4/24/2008 3:57	1330.106	10.27539	12.08033	5979.83	16.77
264	4/24/2008 4:57	1330.017	10.27182	12.07789	5979.82	16.78
265	4/24/2008 5:57	1329.898	10.26717	12.07789	5979.82	16.78
266	4/24/2008 6:57	1329.907	10.26761	12.08008	5979.82	16.78
267	4/24/2008 7:57	1329.827	10.2645	12.08033	5979.81	16.79
268	4/24/2008 8:57	1329.867	10.26606	12.08033	5979.82	16.78
269	4/24/2008 9:57	1329.973	10.26991	12.073	5979.82	16.78
270	4/24/2008 10:57	1330.017	10.27191	12.08033	5979.82	16.78
271	4/24/2008 11:57	1330.137	10.27632	12.073	5979.83	16.77
272	4/24/2008 12:57	1330.615	10.29499	12.073	5979.84	16.76
273	4/24/2008 13:57	1330.561	10.29269	12.06812	5979.84	16.76
274	4/24/2008 14:57	1330.606	10.29454	12.07056	5979.84	16.76

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
275	4/24/2008 15:57	1330.411	10.28674	12.06568	5979.84	16.76
276	4/24/2008 16:57	1330.553	10.29247	12.07056	5979.84	16.76
277	4/24/2008 17:57	1330.455	10.28855	12.06812	5979.84	16.76
278	4/24/2008 18:57	1330.216	10.27912	12.06568	5979.83	16.77
279	4/24/2008 19:57	1329.39	10.24696	12.06812	5979.80	16.80
280	4/24/2008 20:57	1328.983	10.23127	12.073	5979.78	16.82
281	4/24/2008 21:57	1328.59	10.21593	12.073	5979.77	16.83
282	4/24/2008 22:57	1328.065	10.19526	12.06788	5979.75	16.85
283	4/24/2008 23:57	1328.692	10.22001	12.07544	5979.77	16.83
284	4/25/2008 0:57	1328.573	10.21518	12.07056	5979.77	16.83
285	4/25/2008 1:57	1328.405	10.20861	12.07032	5979.76	16.84
286	4/25/2008 2:57	1328.361	10.2068	12.06788	5979.76	16.84
287	4/25/2008 3:57	1328.445	10.21008	12.06788	5979.76	16.84
288	4/25/2008 4:57	1328.586	10.21578	12.073	5979.77	16.83
289	4/25/2008 5:57	1328.612	10.21678	12.07276	5979.77	16.83
290	4/25/2008 6:57	1328.67	10.21876	12.06543	5979.77	16.83
291	4/25/2008 7:57	1328.581	10.21548	12.07032	5979.77	16.83
292	4/25/2008 8:57	1328.696	10.21998	12.07056	5979.77	16.83
293	4/25/2008 9:57	1328.674	10.21911	12.07056	5979.77	16.83
294	4/25/2008 10:57	1328.851	10.22583	12.06568	5979.78	16.82
295	4/25/2008 11:57	1328.891	10.22758	12.07056	5979.78	16.82
296	4/25/2008 12:57	1329.089	10.23521	12.06812	5979.79	16.81
297	4/25/2008 13:57	1329.235	10.24073	12.06348	5979.79	16.81
298	4/25/2008 14:57	1329.288	10.24271	12.06104	5979.79	16.81
299	4/25/2008 15:57	1328.966	10.23014	12.06104	5979.78	16.82
300	4/25/2008 16:57	1329.31	10.24375	12.06568	5979.79	16.81
301	4/25/2008 17:57	1329.226	10.24018	12.05835	5979.79	16.81
302	4/25/2008 18:57	1329.191	10.23902	12.06348	5979.79	16.81
303	4/25/2008 19:57	1329.01	10.23195	12.06348	5979.78	16.82
304	4/25/2008 20:57	1328.886	10.22711	12.06348	5979.78	16.82
305	4/25/2008 21:57	1328.837	10.22511	12.06104	5979.78	16.82
306	4/25/2008 22:57	1329.195	10.23917	12.06348	5979.79	16.81
307	4/25/2008 23:57	1328.952	10.22948	12.05811	5979.78	16.82
308	4/26/2008 0:57	1329.019	10.2323	12.06348	5979.78	16.82
309	4/26/2008 1:57	1329.12	10.23613	12.06055	5979.79	16.81
310	4/26/2008 2:57	1329.169	10.23816	12.06348	5979.79	16.81
311	4/26/2008 3:57	1329.076	10.23423	12.05567	5979.78	16.82
312	4/26/2008 4:57	1328.948	10.22944	12.06104	5979.78	16.82
313	4/26/2008 5:57	1328.639	10.2171	12.05372	5979.77	16.83
314	4/26/2008 6:57	1329.403	10.2468	12.05079	5979.80	16.80
315	4/26/2008 7:57	1328.665	10.21819	12.05567	5979.77	16.83
316	4/26/2008 8:57	1328.405	10.20797	12.05372	5979.76	16.84
317	4/26/2008 9:57	1328.37	10.20661	12.05372	5979.76	16.84
318	4/26/2008 10:57	1327.986	10.19161	12.05323	5979.74	16.86
319	4/26/2008 11:57	1327.633	10.17797	12.05616	5979.73	16.87

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
320	4/26/2008 12:57	1327.823	10.18528	12.05372	5979.74	16.86
321	4/26/2008 13:57	1327.942	10.18992	12.05372	5979.74	16.86
322	4/26/2008 14:57	1328.123	10.19688	12.05127	5979.75	16.85
323	4/26/2008 15:57	1328.493	10.21131	12.05127	5979.76	16.84
324	4/26/2008 16:57	1328.511	10.21201	12.05127	5979.76	16.84
325	4/26/2008 17:57	1328.37	10.20659	12.05323	5979.76	16.84
326	4/26/2008 18:57	1328.317	10.20444	12.05127	5979.75	16.85
327	4/26/2008 19:57	1328.202	10.20006	12.05372	5979.75	16.85
328	4/26/2008 20:57	1328.044	10.19397	12.05567	5979.74	16.86
329	4/26/2008 21:57	1328.105	10.19598	12.04615	5979.75	16.85
330	4/26/2008 22:57	1327.977	10.19117	12.05079	5979.74	16.86
331	4/26/2008 23:57	1327.431	10.16988	12.05079	5979.72	16.88
332	4/27/2008 0:57	1327.453	10.17083	12.05323	5979.72	16.88
333	4/27/2008 1:57	1327.625	10.17744	12.05079	5979.73	16.87
334	4/27/2008 2:57	1327.792	10.18414	12.05567	5979.73	16.87
335	4/27/2008 3:57	1327.81	10.18475	12.05323	5979.73	16.87
336	4/27/2008 4:57	1327.536	10.17388	12.04834	5979.72	16.88
337	4/27/2008 5:57	1327.863	10.18701	12.05811	5979.74	16.86
338	4/27/2008 6:57	1327.871	10.18713	12.05323	5979.74	16.86
339	4/27/2008 7:57	1328.061	10.19426	12.04615	5979.74	16.86
340	4/27/2008 8:57	1327.995	10.1917	12.04639	5979.74	16.86
341	4/27/2008 9:57	1328.074	10.19468	12.04395	5979.74	16.86
342	4/27/2008 10:57	1328.11	10.19599	12.04151	5979.75	16.85
343	4/27/2008 11:57	1328.233	10.20079	12.04151	5979.75	16.85
344	4/27/2008 12:57	1328.449	10.20884	12.03174	5979.76	16.84
345	4/27/2008 13:57	1328.586	10.21456	12.04151	5979.76	16.84
346	4/27/2008 14:57	1328.63	10.21628	12.04151	5979.77	16.83
347	4/27/2008 15:57	1328.763	10.22146	12.04151	5979.77	16.83
348	4/27/2008 16:57	1328.745	10.22095	12.04639	5979.77	16.83
349	4/27/2008 17:57	1328.996	10.23055	12.04151	5979.78	16.82
350	4/27/2008 18:57	1328.815	10.22359	12.04395	5979.77	16.83
351	4/27/2008 19:57	1328.661	10.21758	12.04395	5979.77	16.83
352	4/27/2008 20:57	1328.458	10.20966	12.04395	5979.76	16.84
353	4/27/2008 21:57	1326.374	10.12844	12.04395	5979.68	16.92
354	4/27/2008 22:57	1328.498	10.21122	12.04395	5979.76	16.84
355	4/27/2008 23:57	1328.661	10.21757	12.04371	5979.77	16.83
356	4/28/2008 0:57	1328.807	10.22337	12.04639	5979.77	16.83
357	4/28/2008 1:57	1328.913	10.22732	12.04151	5979.78	16.82
358	4/28/2008 2:57	1329.005	10.23099	12.04371	5979.78	16.82
359	4/28/2008 3:57	1329.014	10.23145	12.04639	5979.78	16.82
360	4/28/2008 4:57	1329.014	10.23116	12.03882	5979.78	16.82
361	4/28/2008 5:57	1328.944	10.22862	12.04395	5979.78	16.82
362	4/28/2008 6:57	1328.908	10.22712	12.04151	5979.78	16.82
363	4/28/2008 7:57	1329.107	10.23498	12.04395	5979.78	16.82
364	4/28/2008 8:57	1328.996	10.23046	12.03907	5979.78	16.82

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
365	4/28/2008 9:57	1328.837	10.22398	12.03174	5979.77	16.83
366	4/28/2008 10:57	1328.824	10.22356	12.03418	5979.77	16.83
367	4/28/2008 11:57	1329.195	10.23813	12.03663	5979.79	16.81
368	4/28/2008 12:57	1329.416	10.24667	12.03418	5979.80	16.80
369	4/28/2008 13:57	1329.354	10.24434	12.03663	5979.79	16.81
370	4/28/2008 14:57	1329.425	10.24711	12.03663	5979.80	16.80
371	4/28/2008 15:57	1329.403	10.24597	12.0293	5979.80	16.80
372	4/28/2008 16:57	1329.372	10.24476	12.0293	5979.79	16.81
373	4/28/2008 17:57	1329.46	10.24819	12.0293	5979.80	16.80
374	4/28/2008 18:57	1329.332	10.24329	12.03174	5979.79	16.81
375	4/28/2008 19:57	1329.098	10.23416	12.03174	5979.78	16.82
376	4/28/2008 20:57	1329.071	10.2332	12.03418	5979.78	16.82
377	4/28/2008 21:57	1329.372	10.24494	12.03418	5979.79	16.81
378	4/28/2008 22:57	1329.31	10.24243	12.03174	5979.79	16.81
379	4/28/2008 23:57	1329.301	10.24208	12.03174	5979.79	16.81
380	4/29/2008 0:57	1329.31	10.24253	12.03418	5979.79	16.81
381	4/29/2008 1:57	1329.332	10.24329	12.03174	5979.79	16.81
382	4/29/2008 2:57	1329.359	10.24453	12.03663	5979.79	16.81
383	4/29/2008 3:57	1329.421	10.24677	12.03174	5979.80	16.80
384	4/29/2008 4:57	1329.244	10.23986	12.03174	5979.79	16.81
385	4/29/2008 5:57	1329.226	10.23925	12.03418	5979.79	16.81
386	4/29/2008 6:57	1329.107	10.23461	12.03418	5979.78	16.82
387	4/29/2008 7:57	1329.288	10.24157	12.03174	5979.79	16.81
388	4/29/2008 8:57	1329.226	10.23888	12.02466	5979.79	16.81
389	4/29/2008 9:57	1329.336	10.24326	12.02686	5979.79	16.81
390	4/29/2008 10:57	1329.434	10.24718	12.0293	5979.80	16.80
391	4/29/2008 11:57	1330.123	10.27399	12.02686	5979.82	16.78
392	4/29/2008 12:57	1330.358	10.28336	12.03174	5979.83	16.77
393	4/29/2008 13:57	1330.146	10.27498	12.0293	5979.82	16.78
394	4/29/2008 14:57	1330.322	10.28168	12.02466	5979.83	16.77
395	4/29/2008 15:57	1330.477	10.28782	12.02686	5979.84	16.76
396	4/29/2008 16:57	1330.535	10.29	12.02466	5979.84	16.76
397	4/29/2008 17:57	1330.495	10.28852	12.02686	5979.84	16.76
398	4/29/2008 18:57	1330.491	10.28818	12.02222	5979.84	16.76
399	4/29/2008 19:57	1330.654	10.29465	12.02466	5979.84	16.76
400	4/29/2008 20:57	1330.362	10.28315	12.02222	5979.83	16.77
401	4/29/2008 21:57	1330.53	10.28971	12.02222	5979.84	16.76
402	4/29/2008 22:57	1330.889	10.30364	12.01978	5979.85	16.75
403	4/29/2008 23:57	1330.986	10.30762	12.02466	5979.86	16.74
404	4/30/2008 0:57	1331	10.30787	12.01709	5979.86	16.74
405	4/30/2008 1:57	1331.088	10.31142	12.01978	5979.86	16.74
406	4/30/2008 2:57	1331.013	10.30876	12.02686	5979.86	16.74
407	4/30/2008 3:57	1330.894	10.30411	12.02686	5979.85	16.75
408	4/30/2008 4:57	1330.796	10.3002	12.02466	5979.85	16.75
409	4/30/2008 5:57	1331.243	10.31757	12.02222	5979.87	16.73

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
410	4/30/2008 6:57	1330.672	10.29497	12.0149	5979.84	16.76
411	4/30/2008 7:57	1330.535	10.28981	12.01978	5979.84	16.76
412	4/30/2008 8:57	1330.451	10.28653	12.01978	5979.84	16.76
413	4/30/2008 9:57	1331.097	10.31187	12.02222	5979.86	16.74
414	4/30/2008 10:57	1330.991	10.30744	12.0149	5979.86	16.74
415	4/30/2008 11:57	1330.982	10.30709	12.0149	5979.86	16.74
416	4/30/2008 12:57	1331.031	10.3089	12.01221	5979.86	16.74
417	4/30/2008 13:57	1331.097	10.31177	12.01978	5979.86	16.74
418	4/30/2008 14:57	1331.141	10.31339	12.01709	5979.86	16.74
419	4/30/2008 15:57	1331.208	10.31582	12.01221	5979.87	16.73
420	4/30/2008 16:57	1331.172	10.31441	12.01221	5979.86	16.74
421	4/30/2008 17:57	1331.208	10.31564	12.00757	5979.87	16.73
422	4/30/2008 18:57	1330.911	10.30431	12.0149	5979.85	16.75
423	4/30/2008 19:57	1330.743	10.29783	12.01709	5979.85	16.75
424	4/30/2008 20:57	1330.628	10.29315	12.01221	5979.84	16.76
425	4/30/2008 21:57	1330.424	10.28528	12.0149	5979.84	16.76
426	4/30/2008 22:57	1330.022	10.26947	12.01221	5979.82	16.78
427	4/30/2008 23:57	1329.558	10.25146	12.0149	5979.80	16.80
428	5/1/2008 0:57	1329.412	10.24585	12.01709	5979.80	16.80
429	5/1/2008 1:57	1329.5	10.2492	12.0149	5979.80	16.80
430	5/1/2008 2:57	1330.044	10.27033	12.01221	5979.82	16.78
431	5/1/2008 3:57	1329.823	10.26162	12.01001	5979.81	16.79
432	5/1/2008 4:57	1329.955	10.26696	12.0149	5979.82	16.78
433	5/1/2008 5:57	1329.699	10.25705	12.01709	5979.81	16.79
434	5/1/2008 6:57	1329.597	10.25297	12.01441	5979.80	16.80
435	5/1/2008 7:57	1329.434	10.24662	12.0149	5979.80	16.80
436	5/1/2008 8:57	1329.253	10.23935	12.00953	5979.79	16.81
437	5/1/2008 9:57	1329.301	10.24152	12.01709	5979.79	16.81
438	5/1/2008 10:57	1329.288	10.24071	12.00953	5979.79	16.81
439	5/1/2008 11:57	1329.416	10.24581	12.01197	5979.80	16.80
440	5/1/2008 12:57	1329.593	10.25291	12.01709	5979.80	16.80
441	5/1/2008 13:57	1329.398	10.24511	12.01221	5979.80	16.80
442	5/1/2008 14:57	1329.204	10.23745	12.01001	5979.79	16.81
443	5/1/2008 15:57	1329.094	10.23316	12.01001	5979.78	16.82
444	5/1/2008 16:57	1329.416	10.24564	12.00757	5979.80	16.80
445	5/1/2008 17:57	1329.195	10.23701	12.00757	5979.79	16.81
446	5/1/2008 18:57	1329.08	10.23261	12.01001	5979.78	16.82
447	5/1/2008 19:57	1329.067	10.23219	12.01221	5979.78	16.82
448	5/1/2008 20:57	1328.979	10.22875	12.01197	5979.78	16.82
449	5/1/2008 21:57	1329.067	10.2319	12.00464	5979.78	16.82
450	5/1/2008 22:57	1329.266	10.23976	12.00709	5979.79	16.81
451	5/1/2008 23:57	1329.513	10.2494	12.00709	5979.80	16.80
452	5/2/2008 0:57	1329.429	10.24622	12.00953	5979.80	16.80
453	5/2/2008 1:57	1329.491	10.24873	12.01197	5979.80	16.80
454	5/2/2008 2:57	1329.558	10.25116	12.00709	5979.80	16.80

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
455	5/2/2008 3:57	1329.434	10.24641	12.00953	5979.80	16.80
456	5/2/2008 4:57	1328.758	10.22013	12.01197	5979.77	16.83
457	5/2/2008 5:57	1329.133	10.23476	12.01197	5979.78	16.82
458	5/2/2008 6:57	1329.129	10.23461	12.01221	5979.78	16.82
459	5/2/2008 7:57	1329.08	10.23241	12.00464	5979.78	16.82
460	5/2/2008 8:57	1329.288	10.24045	12.00269	5979.79	16.81
461	5/2/2008 9:57	1329.124	10.23415	12.00513	5979.78	16.82
462	5/2/2008 10:57	1328.815	10.22199	12.00269	5979.77	16.83
463	5/2/2008 11:57	1328.705	10.2177	12.00269	5979.77	16.83
464	5/2/2008 12:57	1328.387	10.2051	11.99781	5979.76	16.84
465	5/2/2008 13:57	1328.268	10.20075	12.00513	5979.75	16.85
466	5/2/2008 14:57	1327.96	10.18874	12.00513	5979.74	16.86
467	5/2/2008 15:57	1327.814	10.18314	12.00757	5979.73	16.87
468	5/2/2008 16:57	1327.638	10.17607	12.0022	5979.73	16.87
469	5/2/2008 17:57	1327.413	10.16722	12.00025	5979.72	16.88
470	5/2/2008 18:57	1327.303	10.16275	11.99537	5979.71	16.89
471	5/2/2008 19:57	1327.109	10.15519	11.99537	5979.71	16.89
472	5/2/2008 20:57	1327.017	10.15159	11.99512	5979.70	16.90
473	5/2/2008 21:57	1326.982	10.15053	12.00269	5979.70	16.90
474	5/2/2008 22:57	1327.211	10.15934	11.99976	5979.71	16.89
475	5/2/2008 23:57	1327.396	10.16654	11.99976	5979.72	16.88
476	5/3/2008 0:57	1327.47	10.16906	11.99024	5979.72	16.88
477	5/3/2008 1:57	1327.686	10.17767	11.99512	5979.73	16.87
478	5/3/2008 2:57	1327.757	10.18061	11.99976	5979.73	16.87
479	5/3/2008 3:57	1327.708	10.17862	11.99756	5979.73	16.87
480	5/3/2008 4:57	1327.911	10.18662	11.99976	5979.74	16.86
481	5/3/2008 5:57	1327.96	10.18862	12.0022	5979.74	16.86
482	5/3/2008 6:57	1328.136	10.19531	11.99756	5979.75	16.85
483	5/3/2008 7:57	1328.004	10.19016	11.99756	5979.74	16.86
484	5/3/2008 8:57	1328.021	10.19082	11.99756	5979.74	16.86
485	5/3/2008 9:57	1328.167	10.19634	11.99292	5979.75	16.85
486	5/3/2008 10:57	1328.083	10.19316	11.99537	5979.74	16.86
487	5/3/2008 11:57	1328.273	10.20047	11.99292	5979.75	16.85
488	5/3/2008 12:57	1328.431	10.20636	11.98584	5979.76	16.84
489	5/3/2008 13:57	1328.533	10.21043	11.98829	5979.76	16.84
490	5/3/2008 14:57	1328.864	10.22315	11.98316	5979.77	16.83
491	5/3/2008 15:57	1328.815	10.22143	11.98829	5979.77	16.83
492	5/3/2008 16:57	1328.727	10.218	11.98829	5979.77	16.83
493	5/3/2008 17:57	1328.731	10.21816	11.98829	5979.77	16.83
494	5/3/2008 18:57	1328.493	10.20896	11.99048	5979.76	16.84
495	5/3/2008 19:57	1328.401	10.20537	11.99048	5979.76	16.84
496	5/3/2008 20:57	1328.242	10.19926	11.99292	5979.75	16.85
497	5/3/2008 21:57	1328.083	10.19306	11.99292	5979.74	16.86
498	5/3/2008 22:57	1328.123	10.19453	11.99048	5979.74	16.86
499	5/3/2008 23:57	1328.11	10.19382	11.98536	5979.74	16.86

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
500	5/4/2008 0:57	1328.171	10.1962	11.98536	5979.75	16.85
501	5/4/2008 1:57	1328.273	10.20047	11.99292	5979.75	16.85
502	5/4/2008 2:57	1328.361	10.204	11.99537	5979.75	16.85
503	5/4/2008 3:57	1328.268	10.20008	11.9878	5979.75	16.85
504	5/4/2008 4:57	1328.202	10.1977	11.99292	5979.75	16.85
505	5/4/2008 5:57	1328.079	10.19273	11.98829	5979.74	16.86
506	5/4/2008 6:57	1327.832	10.18289	11.98291	5979.73	16.87
507	5/4/2008 7:57	1328.251	10.19943	11.98829	5979.75	16.85
508	5/4/2008 8:57	1328.083	10.19277	11.98536	5979.74	16.86
509	5/4/2008 9:57	1328.03	10.1909	11.99048	5979.74	16.86
510	5/4/2008 10:57	1327.92	10.18633	11.98316	5979.74	16.86
511	5/4/2008 11:57	1327.876	10.18443	11.97852	5979.73	16.87
512	5/4/2008 12:57	1328.021	10.19018	11.98096	5979.74	16.86
513	5/4/2008 13:57	1328.224	10.1981	11.98096	5979.75	16.85
514	5/4/2008 14:57	1328.149	10.19518	11.98096	5979.75	16.85
515	5/4/2008 15:57	1328.03	10.19062	11.98316	5979.74	16.86
516	5/4/2008 16:57	1327.889	10.18523	11.98584	5979.74	16.86
517	5/4/2008 17:57	1327.898	10.18567	11.98829	5979.74	16.86
518	5/4/2008 18:57	1328.405	10.20516	11.98096	5979.76	16.84
519	5/4/2008 19:57	1328.105	10.19354	11.98316	5979.74	16.86
520	5/4/2008 20:57	1327.845	10.18332	11.98096	5979.73	16.87
521	5/4/2008 21:57	1327.598	10.17388	11.98584	5979.72	16.88
522	5/4/2008 22:57	1327.519	10.17061	11.98096	5979.72	16.88
523	5/4/2008 23:57	1327.497	10.16973	11.98047	5979.72	16.88
524	5/5/2008 0:57	1327.396	10.16572	11.97852	5979.72	16.88
525	5/5/2008 1:57	1327.528	10.17096	11.98096	5979.72	16.88
526	5/5/2008 2:57	1327.62	10.17463	11.98316	5979.72	16.88
527	5/5/2008 3:57	1327.655	10.17591	11.98096	5979.73	16.87
528	5/5/2008 4:57	1327.55	10.17173	11.97852	5979.72	16.88
529	5/5/2008 5:57	1327.545	10.17142	11.97559	5979.72	16.88
530	5/5/2008 6:57	1327.528	10.17075	11.97559	5979.72	16.88
531	5/5/2008 7:57	1327.541	10.17155	11.98316	5979.72	16.88
532	5/5/2008 8:57	1327.554	10.17197	11.98096	5979.72	16.88
533	5/5/2008 9:57	1327.625	10.17465	11.97852	5979.72	16.88
534	5/5/2008 10:57	1327.691	10.17713	11.97608	5979.73	16.87
535	5/5/2008 11:57	1327.735	10.17894	11.97852	5979.73	16.87
536	5/5/2008 12:57	1327.726	10.17849	11.97608	5979.73	16.87
537	5/5/2008 13:57	1327.783	10.18071	11.97608	5979.73	16.87
538	5/5/2008 14:57	1327.916	10.18571	11.9712	5979.74	16.86
539	5/5/2008 15:57	1328.021	10.18962	11.96631	5979.74	16.86
540	5/5/2008 16:57	1328.039	10.1905	11.9712	5979.74	16.86
541	5/5/2008 17:57	1328.131	10.194	11.96875	5979.74	16.86
542	5/5/2008 18:57	1328.18	10.19601	11.9712	5979.75	16.85
543	5/5/2008 19:57	1328.145	10.19455	11.96875	5979.74	16.86
544	5/5/2008 20:57	1327.99	10.1885	11.96875	5979.74	16.86

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
545	5/5/2008 21:57	1327.951	10.18708	11.9712	5979.74	16.86
546	5/5/2008 22:57	1328.017	10.18974	11.97364	5979.74	16.86
547	5/5/2008 23:57	1328.246	10.19867	11.97364	5979.75	16.85
548	5/6/2008 0:57	1328.396	10.20432	11.96827	5979.75	16.85
549	5/6/2008 1:57	1328.436	10.2059	11.96875	5979.76	16.84
550	5/6/2008 2:57	1328.78	10.2196	11.97608	5979.77	16.83
551	5/6/2008 3:57	1328.489	10.20825	11.97608	5979.76	16.84
552	5/6/2008 4:57	1328.462	10.20681	11.96607	5979.76	16.84
553	5/6/2008 5:57	1328.467	10.2072	11.9712	5979.76	16.84
554	5/6/2008 6:57	1328.361	10.20316	11.97364	5979.75	16.85
555	5/6/2008 7:57	1328.193	10.19651	11.9712	5979.75	16.85
556	5/6/2008 8:57	1328.251	10.19868	11.96875	5979.75	16.85
557	5/6/2008 9:57	1328.409	10.20475	11.96631	5979.75	16.85
558	5/6/2008 10:57	1328.471	10.20697	11.96143	5979.76	16.84
559	5/6/2008 11:57	1327.484	10.16868	11.96631	5979.72	16.88
560	5/6/2008 12:57	1328.383	10.20364	11.96387	5979.75	16.85
561	5/6/2008 13:57	1328.286	10.19986	11.96387	5979.75	16.85
562	5/6/2008 14:57	1328.661	10.21439	11.96143	5979.76	16.84
563	5/6/2008 15:57	1328.626	10.21312	11.96387	5979.76	16.84
564	5/6/2008 16:57	1328.476	10.20726	11.96387	5979.76	16.84
565	5/6/2008 17:57	1329.107	10.23198	11.96631	5979.78	16.82
566	5/6/2008 18:57	1328.679	10.21537	11.96875	5979.77	16.83
567	5/6/2008 19:57	1328.057	10.19092	11.96387	5979.74	16.86
568	5/6/2008 20:57	1327.748	10.17897	11.96631	5979.73	16.87
569	5/6/2008 21:57	1327.55	10.17116	11.96387	5979.72	16.88
570	5/6/2008 22:57	1327.598	10.17294	11.96143	5979.72	16.88
571	5/6/2008 23:57	1327.819	10.18174	11.96631	5979.73	16.87
572	5/7/2008 0:57	1328.074	10.19159	11.96387	5979.74	16.86
573	5/7/2008 1:57	1328.096	10.19244	11.96387	5979.74	16.86
574	5/7/2008 2:57	1327.933	10.18618	11.96631	5979.74	16.86
575	5/7/2008 3:57	1327.581	10.17246	11.96631	5979.72	16.88
576	5/7/2008 4:57	1327.647	10.17513	11.96875	5979.73	16.87
577	5/7/2008 5:57	1327.598	10.17303	11.96387	5979.72	16.88
578	5/7/2008 6:57	1327.567	10.17201	11.96875	5979.72	16.88
579	5/7/2008 7:57	1327.559	10.1717	11.96875	5979.72	16.88
580	5/7/2008 8:57	1327.62	10.17408	11.96875	5979.72	16.88
581	5/7/2008 9:57	1327.585	10.17233	11.95899	5979.72	16.88
582	5/7/2008 10:57	1327.664	10.17569	11.96631	5979.73	16.87
583	5/7/2008 11:57	1327.814	10.18154	11.96631	5979.73	16.87
584	5/7/2008 12:57	1327.964	10.1873	11.96387	5979.74	16.86
585	5/7/2008 13:57	1327.999	10.18839	11.95679	5979.74	16.86
586	5/7/2008 14:57	1329.288	10.23895	11.96387	5979.79	16.81
587	5/7/2008 15:57	1329.615	10.25181	11.96631	5979.80	16.80
588	5/7/2008 16:57	1329.544	10.24894	11.96387	5979.80	16.80
589	5/7/2008 17:57	1328.158	10.19496	11.96631	5979.74	16.86

Well No. 82408
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5969.55

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
590	5/7/2008 18:57	1329.222	10.23637	11.96387	5979.79	16.81
591	5/7/2008 19:57	1329.209	10.23587	11.96387	5979.79	16.81
592	5/7/2008 20:57	1328.944	10.22533	11.95899	5979.78	16.82
593	5/7/2008 21:57	1328.621	10.21283	11.96143	5979.76	16.84
594	5/7/2008 22:57	1328.679	10.21491	11.95679	5979.76	16.84
595	5/7/2008 23:57	1328.652	10.21413	11.96387	5979.76	16.84
596	5/8/2008 0:57	1328.568	10.21058	11.95679	5979.76	16.84
597	5/8/2008 1:57	1328.665	10.21464	11.96387	5979.76	16.84
598	5/8/2008 2:57	1328.687	10.21531	11.95899	5979.77	16.83
599	5/8/2008 3:57	1328.484	10.2073	11.95679	5979.76	16.84
600	5/8/2008 4:57	1328.59	10.21144	11.95679	5979.76	16.84
601	5/8/2008 5:57	1328.52	10.20871	11.95679	5979.76	16.84
602	5/8/2008 6:57	1328.718	10.21652	11.95899	5979.77	16.83
603	5/8/2008 7:57	1328.657	10.21405	11.95679	5979.76	16.84
604	5/8/2008 8:57	1328.533	10.20921	11.95679	5979.76	16.84
605	5/8/2008 9:57	1328.785	10.21913	11.95899	5979.77	16.83
606	5/8/2008 10:57	1328.476	10.20708	11.95899	5979.76	16.84
607	5/8/2008 11:57	1328.489	10.2075	11.95679	5979.76	16.84
608	5/8/2008 12:57	1329.995	10.26617	11.95411	5979.82	16.78
609	5/8/2008 13:57	1329.566	10.24942	11.95411	5979.80	16.80
610	5/8/2008 14:57	1328.988	10.22668	11.94922	5979.78	16.82
	5/8 AVG				5979.77	16.83

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
3	4/13/2008 10:36	1498.114	12.84241	12.35844	5977.06	19.54
4	4/13/2008 11:36	1498.166	12.84458	12.35111	5977.06	19.54
5	4/13/2008 12:36	1498.179	12.8453	12.35355	5977.07	19.53
6	4/13/2008 13:36	1498.395	12.85563	12.35355	5977.08	19.52
7	4/13/2008 14:36	1498.359	12.85369	12.34843	5977.07	19.53
8	4/13/2008 15:36	1498.532	12.86207	12.35111	5977.08	19.52
9	4/13/2008 16:36	1498.473	12.85925	12.35111	5977.08	19.52
10	4/13/2008 17:36	1498.523	12.86164	12.35111	5977.08	19.52
11	4/13/2008 18:36	1498.404	12.85596	12.35111	5977.08	19.52
12	4/13/2008 19:36	1498.469	12.85906	12.35111	5977.08	19.52
13	4/13/2008 20:36	1498.282	12.85002	12.34867	5977.07	19.53
14	4/13/2008 21:36	1498.325	12.85207	12.34867	5977.07	19.53
15	4/13/2008 22:36	1498.273	12.84959	12.34867	5977.07	19.53
16	4/13/2008 23:36	1498.433	12.85713	12.34623	5977.08	19.52
	4/13 AVG				5977.07	19.53
17	4/14/2008 0:36	1498.48	12.85938	12.34623	5977.08	19.52
18	4/14/2008 1:36	1498.507	12.86077	12.34867	5977.08	19.52
19	4/14/2008 2:36	1498.543	12.86251	12.34916	5977.08	19.52
20	4/14/2008 3:36	1498.538	12.86205	12.34403	5977.08	19.52
21	4/14/2008 4:36	1498.543	12.86229	12.34403	5977.08	19.52
22	4/14/2008 5:36	1498.549	12.86248	12.34159	5977.08	19.52
23	4/14/2008 6:36	1498.547	12.8625	12.34428	5977.08	19.52
24	4/14/2008 7:36	1498.498	12.86026	12.34672	5977.08	19.52
25	4/14/2008 8:36	1498.525	12.86124	12.33939	5977.08	19.52
26	4/14/2008 9:36	1498.514	12.8606	12.33671	5977.08	19.52
27	4/14/2008 10:36	1498.559	12.86274	12.33671	5977.08	19.52
28	4/14/2008 11:36	1498.599	12.86466	12.33671	5977.08	19.52
29	4/14/2008 12:36	1498.711	12.87002	12.33671	5977.09	19.51
30	4/14/2008 13:36	1498.92	12.87978	12.33134	5977.10	19.50
31	4/14/2008 14:36	1498.925	12.87981	12.32645	5977.10	19.50
32	4/14/2008 15:36	1499.048	12.88568	12.32645	5977.11	19.49
33	4/14/2008 16:36	1499.048	12.8858	12.32914	5977.11	19.49
34	4/14/2008 17:36	1498.963	12.88183	12.33134	5977.10	19.50
35	4/14/2008 18:36	1499.064	12.88656	12.32914	5977.11	19.49
36	4/14/2008 19:36	1498.987	12.883	12.33183	5977.10	19.50
37	4/14/2008 20:36	1498.9	12.87874	12.32938	5977.10	19.50
38	4/14/2008 21:36	1498.819	12.87475	12.32694	5977.09	19.51
39	4/14/2008 22:36	1498.797	12.8737	12.32694	5977.09	19.51
40	4/14/2008 23:36	1498.945	12.88078	12.32694	5977.10	19.50
41	4/15/2008 0:36	1498.992	12.88271	12.31962	5977.10	19.50
42	4/15/2008 1:36	1499.257	12.89538	12.31962	5977.12	19.48
43	4/15/2008 2:36	1499.145	12.89014	12.32206	5977.11	19.49
44	4/15/2008 3:36	1499.196	12.89258	12.32206	5977.11	19.49
45	4/15/2008 4:36	1499.244	12.89499	12.32475	5977.11	19.49
46	4/15/2008 5:36	1499.208	12.89304	12.31962	5977.11	19.49

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
47	4/15/2008 6:36	1499.217	12.89337	12.31718	5977.11	19.49
48	4/15/2008 7:36	1499.21	12.89316	12.32011	5977.11	19.49
49	4/15/2008 8:36	1499.275	12.89614	12.31718	5977.12	19.48
50	4/15/2008 9:36	1499.224	12.8936	12.31474	5977.11	19.49
51	4/15/2008 10:36	1499.322	12.89839	12.31718	5977.12	19.48
52	4/15/2008 11:36	1499.358	12.90011	12.31718	5977.12	19.48
53	4/15/2008 12:36	1499.426	12.90325	12.31449	5977.12	19.48
54	4/15/2008 13:36	1499.493	12.90635	12.31205	5977.13	19.47
55	4/15/2008 14:36	1499.547	12.90904	12.31449	5977.13	19.47
56	4/15/2008 15:36	1499.534	12.90821	12.30961	5977.13	19.47
57	4/15/2008 16:36	1499.635	12.91325	12.31449	5977.13	19.47
58	4/15/2008 17:36	1499.426	12.90304	12.30961	5977.12	19.48
59	4/15/2008 18:36	1499.934	12.92734	12.30961	5977.15	19.45
60	4/15/2008 19:36	1499.437	12.90357	12.30961	5977.12	19.48
61	4/15/2008 20:36	1499.314	12.8978	12.31229	5977.12	19.48
62	4/15/2008 21:36	1500.031	12.93189	12.30741	5977.15	19.45
63	4/15/2008 22:36	1499.415	12.90253	12.30985	5977.12	19.48
64	4/15/2008 23:36	1498.936	12.87951	12.30741	5977.10	19.50
65	4/16/2008 0:36	1498.904	12.87799	12.30741	5977.10	19.50
66	4/16/2008 1:36	1498.745	12.87038	12.30741	5977.09	19.51
67	4/16/2008 2:36	1498.489	12.85805	12.30521	5977.08	19.52
68	4/16/2008 3:36	1498.28	12.84785	12.30033	5977.07	19.53
69	4/16/2008 4:36	1498.406	12.85409	12.30546	5977.07	19.53
70	4/16/2008 5:36	1498.354	12.85149	12.30277	5977.07	19.53
71	4/16/2008 6:36	1498.448	12.8561	12.30546	5977.08	19.52
72	4/16/2008 7:36	1498.489	12.85806	12.30546	5977.08	19.52
73	4/16/2008 8:36	1498.583	12.86244	12.30277	5977.08	19.52
74	4/16/2008 9:36	1498.603	12.86329	12.30033	5977.08	19.52
75	4/16/2008 10:36	1498.541	12.86032	12.30033	5977.08	19.52
76	4/16/2008 11:36	1498.253	12.84656	12.30033	5977.07	19.53
77	4/16/2008 12:36	1498.329	12.85009	12.29789	5977.07	19.53
78	4/16/2008 13:36	1498.186	12.84325	12.29789	5977.06	19.54
79	4/16/2008 14:36	1498.121	12.84004	12.29545	5977.06	19.54
80	4/16/2008 15:36	1498.302	12.8488	12.29789	5977.07	19.53
81	4/16/2008 16:36	1498.219	12.84483	12.29789	5977.06	19.54
82	4/16/2008 17:36	1498.298	12.84861	12.29813	5977.07	19.53
83	4/16/2008 18:36	1498.345	12.85095	12.30033	5977.07	19.53
84	4/16/2008 19:36	1498.28	12.84786	12.30058	5977.07	19.53
85	4/16/2008 20:36	1498.26	12.84668	12.29545	5977.07	19.53
86	4/16/2008 21:36	1498.199	12.84367	12.29325	5977.06	19.54
87	4/16/2008 22:36	1498.253	12.84626	12.29325	5977.07	19.53
88	4/16/2008 23:36	1498.356	12.85128	12.29569	5977.07	19.53
89	4/17/2008 0:36	1498.421	12.85439	12.29569	5977.07	19.53
90	4/17/2008 1:36	1498.518	12.85913	12.29813	5977.08	19.52
91	4/17/2008 2:36	1498.592	12.86257	12.29569	5977.08	19.52

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
92	4/17/2008 3:36	1498.552	12.86065	12.29569	5977.08	19.52
93	4/17/2008 4:36	1498.484	12.8573	12.29325	5977.08	19.52
94	4/17/2008 5:36	1498.428	12.85485	12.29862	5977.07	19.53
95	4/17/2008 6:36	1498.37	12.85185	12.29325	5977.07	19.53
96	4/17/2008 7:36	1498.363	12.85142	12.29105	5977.07	19.53
97	4/17/2008 8:36	1498.249	12.84564	12.28324	5977.07	19.53
98	4/17/2008 9:36	1498.359	12.85112	12.28861	5977.07	19.53
99	4/17/2008 10:36	1498.374	12.85174	12.28617	5977.07	19.53
100	4/17/2008 11:36	1498.435	12.85454	12.28349	5977.07	19.53
101	4/17/2008 12:36	1498.547	12.85988	12.28324	5977.08	19.52
102	4/17/2008 13:36	1498.675	12.86579	12.27836	5977.09	19.51
103	4/17/2008 14:36	1498.729	12.86851	12.28153	5977.09	19.51
104	4/17/2008 15:36	1498.68	12.86613	12.2808	5977.09	19.51
105	4/17/2008 16:36	1498.763	12.86999	12.27836	5977.09	19.51
106	4/17/2008 17:36	1498.792	12.87129	12.27616	5977.09	19.51
107	4/17/2008 18:36	1499.241	12.89275	12.27616	5977.11	19.49
108	4/17/2008 19:36	1498.725	12.86808	12.27616	5977.09	19.51
109	4/17/2008 20:36	1498.677	12.86568	12.27372	5977.09	19.51
110	4/17/2008 21:36	1498.686	12.86612	12.27372	5977.09	19.51
111	4/17/2008 22:36	1498.691	12.86596	12.26444	5977.09	19.51
112	4/17/2008 23:36	1498.83	12.873	12.27372	5977.09	19.51
113	4/18/2008 0:36	1498.884	12.87569	12.27616	5977.10	19.50
114	4/18/2008 1:36	1498.99	12.88087	12.27885	5977.10	19.50
115	4/18/2008 2:36	1498.992	12.88107	12.28129	5977.10	19.50
116	4/18/2008 3:36	1498.859	12.87471	12.28129	5977.09	19.51
117	4/18/2008 4:36	1498.828	12.87312	12.27885	5977.09	19.51
118	4/18/2008 5:36	1498.799	12.87173	12.27885	5977.09	19.51
119	4/18/2008 6:36	1498.709	12.86712	12.27152	5977.09	19.51
120	4/18/2008 7:36	1498.597	12.86176	12.27128	5977.08	19.52
121	4/18/2008 8:36	1498.637	12.86378	12.27396	5977.08	19.52
122	4/18/2008 9:36	1498.781	12.87044	12.26859	5977.09	19.51
123	4/18/2008 10:36	1498.729	12.86806	12.27128	5977.09	19.51
124	4/18/2008 11:36	1498.895	12.876	12.27128	5977.10	19.50
125	4/18/2008 12:36	1498.812	12.87192	12.26859	5977.09	19.51
126	4/18/2008 13:36	1498.851	12.87368	12.26615	5977.09	19.51
127	4/18/2008 14:36	1498.873	12.87473	12.26615	5977.09	19.51
128	4/18/2008 15:36	1498.945	12.87797	12.26151	5977.10	19.50
129	4/18/2008 16:36	1499.026	12.88215	12.26859	5977.10	19.50
130	4/18/2008 17:36	1499.093	12.88535	12.26859	5977.11	19.49
131	4/18/2008 18:36	1498.985	12.88008	12.26615	5977.10	19.50
132	4/18/2008 19:36	1498.846	12.87344	12.26615	5977.09	19.51
133	4/18/2008 20:36	1498.884	12.87526	12.26615	5977.10	19.50
134	4/18/2008 21:36	1498.853	12.87368	12.26395	5977.09	19.51
135	4/18/2008 22:36	1498.799	12.87109	12.26395	5977.09	19.51
136	4/18/2008 23:36	1498.875	12.87495	12.26908	5977.09	19.51

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
137	4/19/2008 0:36	1498.837	12.87292	12.26395	5977.09	19.51
138	4/19/2008 1:36	1498.808	12.87162	12.26615	5977.09	19.51
139	4/19/2008 2:36	1498.841	12.8732	12.26615	5977.09	19.51
140	4/19/2008 3:36	1498.925	12.87702	12.26151	5977.10	19.50
141	4/19/2008 4:36	1498.904	12.87613	12.2642	5977.10	19.50
142	4/19/2008 5:36	1498.909	12.87627	12.26176	5977.10	19.50
143	4/19/2008 6:36	1498.833	12.87251	12.25907	5977.09	19.51
144	4/19/2008 7:36	1498.862	12.8739	12.25907	5977.09	19.51
145	4/19/2008 8:36	1498.914	12.87639	12.25932	5977.10	19.50
146	4/19/2008 9:36	1498.92	12.87657	12.25663	5977.10	19.50
147	4/19/2008 10:36	1499.048	12.88279	12.25907	5977.10	19.50
148	4/19/2008 11:36	1499.086	12.88451	12.25663	5977.10	19.50
149	4/19/2008 12:36	1499.228	12.89119	12.25419	5977.11	19.49
150	4/19/2008 13:36	1499.446	12.90162	12.25419	5977.12	19.48
151	4/19/2008 14:36	1499.534	12.90583	12.25419	5977.13	19.47
152	4/19/2008 15:36	1499.664	12.91204	12.25419	5977.13	19.47
153	4/19/2008 16:36	1499.671	12.91227	12.2515	5977.13	19.47
154	4/19/2008 17:36	1499.597	12.90862	12.24906	5977.13	19.47
155	4/19/2008 18:36	1499.556	12.90678	12.25175	5977.13	19.47
156	4/19/2008 19:36	1499.428	12.90033	12.24418	5977.12	19.48
157	4/19/2008 20:36	1499.28	12.89347	12.24931	5977.11	19.49
158	4/19/2008 21:36	1499.257	12.89248	12.25199	5977.11	19.49
159	4/19/2008 22:36	1499.358	12.89753	12.25687	5977.12	19.48
160	4/19/2008 23:36	1499.439	12.90118	12.25175	5977.12	19.48
161	4/20/2008 0:36	1499.41	12.89979	12.25175	5977.12	19.48
162	4/20/2008 1:36	1499.457	12.90204	12.25175	5977.12	19.48
163	4/20/2008 2:36	1499.39	12.89863	12.24686	5977.12	19.48
164	4/20/2008 3:36	1499.406	12.89929	12.24442	5977.12	19.48
165	4/20/2008 4:36	1499.403	12.89935	12.24931	5977.12	19.48
166	4/20/2008 5:36	1499.399	12.89928	12.25199	5977.12	19.48
167	4/20/2008 6:36	1499.374	12.89808	12.25199	5977.12	19.48
168	4/20/2008 7:36	1499.347	12.89668	12.24931	5977.12	19.48
169	4/20/2008 8:36	1499.374	12.89797	12.24931	5977.12	19.48
170	4/20/2008 9:36	1499.41	12.89971	12.24979	5977.12	19.48
171	4/20/2008 10:36	1500.107	12.93225	12.231	5977.15	19.45
172	4/20/2008 11:36	1499.63	12.9101	12.24686	5977.13	19.47
173	4/20/2008 12:36	1499.594	12.90817	12.24198	5977.13	19.47
174	4/20/2008 13:36	1499.57	12.90713	12.24442	5977.13	19.47
175	4/20/2008 14:36	1499.581	12.90765	12.24418	5977.13	19.47
176	4/20/2008 15:36	1499.556	12.90624	12.2393	5977.13	19.47
177	4/20/2008 16:36	1499.504	12.90397	12.24442	5977.12	19.48
178	4/20/2008 17:36	1499.367	12.8972	12.2393	5977.12	19.48
179	4/20/2008 18:36	1499.302	12.89409	12.2393	5977.11	19.49
180	4/20/2008 19:36	1499.158	12.88674	12.22855	5977.11	19.49
181	4/20/2008 20:36	1499.053	12.8823	12.24198	5977.10	19.50

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
182	4/20/2008 21:36	1498.877	12.87379	12.23979	5977.09	19.51
183	4/20/2008 22:36	1498.828	12.87145	12.23979	5977.09	19.51
184	4/20/2008 23:36	1498.794	12.86983	12.24003	5977.09	19.51
185	4/21/2008 0:36	1498.79	12.86952	12.2371	5977.09	19.51
186	4/21/2008 1:36	1498.63	12.86187	12.2371	5977.08	19.52
187	4/21/2008 2:36	1498.592	12.86018	12.24003	5977.08	19.52
188	4/21/2008 3:36	1498.637	12.8622	12.2371	5977.08	19.52
189	4/21/2008 4:36	1498.714	12.86601	12.24003	5977.09	19.51
190	4/21/2008 5:36	1498.765	12.86834	12.23759	5977.09	19.51
191	4/21/2008 6:36	1498.686	12.86435	12.23246	5977.08	19.52
192	4/21/2008 7:36	1498.684	12.86457	12.24003	5977.08	19.52
193	4/21/2008 8:36	1498.646	12.86265	12.23759	5977.08	19.52
194	4/21/2008 9:36	1498.761	12.86815	12.23759	5977.09	19.51
195	4/21/2008 10:36	1498.806	12.87008	12.23246	5977.09	19.51
196	4/21/2008 11:36	1498.851	12.87254	12.23979	5977.09	19.51
197	4/21/2008 12:36	1499.001	12.87983	12.24247	5977.10	19.50
198	4/21/2008 13:36	1499.048	12.88206	12.24198	5977.10	19.50
199	4/21/2008 14:36	1499.1	12.88465	12.24442	5977.10	19.50
200	4/21/2008 15:36	1499.217	12.89014	12.24198	5977.11	19.49
201	4/21/2008 16:36	1499.19	12.88875	12.23979	5977.11	19.49
202	4/21/2008 17:36	1498.972	12.87853	12.24442	5977.10	19.50
203	4/21/2008 18:36	1498.911	12.87551	12.24198	5977.10	19.50
204	4/21/2008 19:36	1498.785	12.86939	12.23979	5977.09	19.51
205	4/21/2008 20:36	1498.675	12.86402	12.2371	5977.08	19.52
206	4/21/2008 21:36	1498.543	12.85782	12.23979	5977.08	19.52
207	4/21/2008 22:36	1498.597	12.86029	12.2371	5977.08	19.52
208	4/21/2008 23:36	1498.684	12.86456	12.23979	5977.08	19.52
209	4/22/2008 0:36	1498.718	12.8662	12.24003	5977.09	19.51
210	4/22/2008 1:36	1498.754	12.86769	12.23466	5977.09	19.51
211	4/22/2008 2:36	1498.81	12.87039	12.23515	5977.09	19.51
212	4/22/2008 3:36	1498.889	12.87417	12.23515	5977.09	19.51
213	4/22/2008 4:36	1498.898	12.87491	12.24247	5977.09	19.51
214	4/22/2008 5:36	1498.943	12.87685	12.23759	5977.10	19.50
215	4/22/2008 6:36	1498.922	12.87574	12.23515	5977.10	19.50
216	4/22/2008 7:36	1498.869	12.87342	12.24003	5977.09	19.51
217	4/22/2008 8:36	1498.886	12.87402	12.23515	5977.09	19.51
218	4/22/2008 9:36	1498.94	12.87639	12.23026	5977.10	19.50
219	4/22/2008 10:36	1498.956	12.87716	12.23026	5977.10	19.50
220	4/22/2008 11:36	1498.99	12.87878	12.23026	5977.10	19.50
221	4/22/2008 12:36	1499.062	12.88232	12.23246	5977.10	19.50
222	4/22/2008 13:36	1499.136	12.88586	12.23246	5977.11	19.49
223	4/22/2008 14:36	1499.161	12.88706	12.23246	5977.11	19.49
224	4/22/2008 15:36	1499.37	12.89695	12.23002	5977.12	19.48
225	4/22/2008 16:36	1499.291	12.89327	12.23246	5977.11	19.49
226	4/22/2008 17:36	1499.381	12.89767	12.23466	5977.12	19.48

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
227	4/22/2008 18:36	1499.246	12.89101	12.23002	5977.11	19.49
228	4/22/2008 19:36	1499.327	12.89489	12.23002	5977.11	19.49
229	4/22/2008 20:36	1499.255	12.89155	12.23246	5977.11	19.49
230	4/22/2008 21:36	1499.064	12.88231	12.23002	5977.10	19.50
231	4/22/2008 22:36	1499.093	12.88339	12.2227	5977.10	19.50
232	4/22/2008 23:36	1499.125	12.88502	12.22514	5977.11	19.49
233	4/23/2008 0:36	1499.273	12.8922	12.22758	5977.11	19.49
234	4/23/2008 1:36	1499.347	12.89574	12.22758	5977.12	19.48
235	4/23/2008 2:36	1499.365	12.89661	12.22782	5977.12	19.48
236	4/23/2008 3:36	1499.298	12.8934	12.22758	5977.11	19.49
237	4/23/2008 4:36	1499.318	12.89468	12.23515	5977.11	19.49
238	4/23/2008 5:36	1499.327	12.89479	12.22758	5977.11	19.49
239	4/23/2008 6:36	1499.322	12.89456	12.22782	5977.11	19.49
240	4/23/2008 7:36	1499.331	12.89467	12.2205	5977.11	19.49
241	4/23/2008 8:36	1499.428	12.89942	12.22294	5977.12	19.48
242	4/23/2008 9:36	1499.511	12.90349	12.22538	5977.12	19.48
243	4/23/2008 10:36	1499.592	12.90715	12.22025	5977.13	19.47
244	4/23/2008 11:36	1499.669	12.91093	12.2227	5977.13	19.47
245	4/23/2008 12:36	1499.819	12.918	12.22025	5977.14	19.46
246	4/23/2008 13:36	1499.837	12.91887	12.22025	5977.14	19.46
247	4/23/2008 14:36	1499.921	12.92278	12.21781	5977.14	19.46
248	4/23/2008 15:36	1499.932	12.92352	12.2227	5977.14	19.46
249	4/23/2008 16:36	1499.916	12.92265	12.22025	5977.14	19.46
250	4/23/2008 17:36	1499.869	12.9205	12.2227	5977.14	19.46
251	4/23/2008 18:36	1499.797	12.91685	12.21781	5977.14	19.46
252	4/23/2008 19:36	1499.705	12.91244	12.21781	5977.13	19.47
253	4/23/2008 20:36	1499.572	12.90609	12.21781	5977.13	19.47
254	4/23/2008 21:36	1499.446	12.89995	12.21537	5977.12	19.48
255	4/23/2008 22:36	1499.37	12.89621	12.21293	5977.12	19.48
256	4/23/2008 23:36	1499.379	12.89675	12.21537	5977.12	19.48
257	4/24/2008 0:36	1499.379	12.89664	12.21293	5977.12	19.48
258	4/24/2008 1:36	1499.365	12.89608	12.21537	5977.12	19.48
259	4/24/2008 2:36	1499.365	12.89588	12.21073	5977.12	19.48
260	4/24/2008 3:36	1499.446	12.89964	12.20805	5977.12	19.48
261	4/24/2008 4:36	1499.426	12.8988	12.21073	5977.12	19.48
262	4/24/2008 5:36	1499.417	12.89848	12.21342	5977.12	19.48
263	4/24/2008 6:36	1499.293	12.89244	12.21098	5977.11	19.49
264	4/24/2008 7:36	1499.235	12.88966	12.21073	5977.11	19.49
265	4/24/2008 8:36	1499.298	12.89256	12.20805	5977.11	19.49
266	4/24/2008 9:36	1499.367	12.89586	12.20805	5977.12	19.48
267	4/24/2008 10:36	1499.41	12.89803	12.21073	5977.12	19.48
268	4/24/2008 11:36	1499.502	12.90221	12.20561	5977.12	19.48
269	4/24/2008 12:36	1499.705	12.91192	12.20561	5977.13	19.47
270	4/24/2008 13:36	1499.626	12.90825	12.20805	5977.13	19.47
271	4/24/2008 14:36	1499.68	12.91073	12.20561	5977.13	19.47

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
272	4/24/2008 15:36	1499.615	12.90762	12.20561	5977.13	19.47
273	4/24/2008 16:36	1499.482	12.90126	12.20561	5977.12	19.48
274	4/24/2008 17:36	1499.435	12.8989	12.20316	5977.12	19.48
275	4/24/2008 18:36	1499.347	12.8948	12.20561	5977.11	19.49
276	4/24/2008 19:36	1499.095	12.88275	12.20561	5977.10	19.50
277	4/24/2008 20:36	1498.736	12.86538	12.20097	5977.09	19.51
278	4/24/2008 21:36	1498.664	12.86194	12.20097	5977.08	19.52
279	4/24/2008 22:36	1498.63	12.86032	12.20097	5977.08	19.52
280	4/24/2008 23:36	1498.696	12.86337	12.19852	5977.08	19.52
281	4/25/2008 0:36	1498.669	12.86207	12.19852	5977.08	19.52
282	4/25/2008 1:36	1498.603	12.85912	12.20316	5977.08	19.52
283	4/25/2008 2:36	1498.588	12.85831	12.20097	5977.08	19.52
284	4/25/2008 3:36	1498.559	12.85692	12.20097	5977.08	19.52
285	4/25/2008 4:36	1498.693	12.86323	12.19877	5977.08	19.52
286	4/25/2008 5:36	1498.738	12.86528	12.19633	5977.09	19.51
287	4/25/2008 6:36	1498.783	12.86752	12.19852	5977.09	19.51
288	4/25/2008 7:36	1498.7	12.86357	12.19877	5977.08	19.52
289	4/25/2008 8:36	1498.756	12.86635	12.20121	5977.09	19.51
290	4/25/2008 9:36	1498.754	12.86604	12.19608	5977.09	19.51
291	4/25/2008 10:36	1498.806	12.86842	12.19364	5977.09	19.51
292	4/25/2008 11:36	1498.792	12.86785	12.19608	5977.09	19.51
293	4/25/2008 12:36	1498.916	12.87368	12.19364	5977.09	19.51
294	4/25/2008 13:36	1499.01	12.87827	12.19608	5977.10	19.50
295	4/25/2008 14:36	1499.044	12.8799	12.19608	5977.10	19.50
296	4/25/2008 15:36	1499.082	12.88151	12.1912	5977.10	19.50
297	4/25/2008 16:36	1499.122	12.88352	12.19364	5977.10	19.50
298	4/25/2008 17:36	1499.059	12.88061	12.19608	5977.10	19.50
299	4/25/2008 18:36	1499.03	12.87923	12.19608	5977.10	19.50
300	4/25/2008 19:36	1498.997	12.87744	12.1912	5977.10	19.50
301	4/25/2008 20:36	1498.857	12.87075	12.1912	5977.09	19.51
302	4/25/2008 21:36	1498.869	12.87132	12.1912	5977.09	19.51
303	4/25/2008 22:36	1498.855	12.87065	12.1912	5977.09	19.51
304	4/25/2008 23:36	1498.826	12.86927	12.1912	5977.09	19.51
305	4/26/2008 0:36	1498.774	12.86678	12.1912	5977.09	19.51
306	4/26/2008 1:36	1498.904	12.87289	12.18876	5977.09	19.51
307	4/26/2008 2:36	1498.904	12.87289	12.18876	5977.09	19.51
308	4/26/2008 3:36	1498.945	12.87485	12.18876	5977.09	19.51
309	4/26/2008 4:36	1498.898	12.87272	12.19145	5977.09	19.51
310	4/26/2008 5:36	1498.808	12.8683	12.18876	5977.09	19.51
311	4/26/2008 6:36	1498.792	12.86743	12.18632	5977.09	19.51
312	4/26/2008 7:36	1498.682	12.86229	12.189	5977.08	19.52
313	4/26/2008 8:36	1498.583	12.85766	12.19145	5977.08	19.52
314	4/26/2008 9:36	1498.547	12.85583	12.189	5977.08	19.52
315	4/26/2008 10:36	1498.439	12.85045	12.18388	5977.07	19.53
316	4/26/2008 11:36	1498.285	12.8431	12.18412	5977.06	19.54

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
317	4/26/2008 12:36	1498.347	12.84638	12.19145	5977.07	19.53
318	4/26/2008 13:36	1498.489	12.85296	12.18656	5977.07	19.53
319	4/26/2008 14:36	1498.559	12.85629	12.18632	5977.08	19.52
320	4/26/2008 15:36	1498.691	12.86261	12.18632	5977.08	19.52
321	4/26/2008 16:36	1498.767	12.86592	12.17899	5977.09	19.51
322	4/26/2008 17:36	1498.763	12.86573	12.17899	5977.09	19.51
323	4/26/2008 18:36	1498.72	12.86378	12.18144	5977.08	19.52
324	4/26/2008 19:36	1498.7	12.86282	12.18144	5977.08	19.52
325	4/26/2008 20:36	1498.608	12.85822	12.17655	5977.08	19.52
326	4/26/2008 21:36	1498.565	12.85628	12.17948	5977.08	19.52
327	4/26/2008 22:36	1498.493	12.85285	12.17948	5977.07	19.53
328	4/26/2008 23:36	1498.229	12.84031	12.18144	5977.06	19.54
329	4/27/2008 0:36	1498.24	12.84084	12.18144	5977.06	19.54
330	4/27/2008 1:36	1498.271	12.84201	12.17436	5977.06	19.54
331	4/27/2008 2:36	1498.487	12.85266	12.18192	5977.07	19.53
332	4/27/2008 3:36	1498.556	12.85594	12.18144	5977.08	19.52
333	4/27/2008 4:36	1498.626	12.85918	12.17899	5977.08	19.52
334	4/27/2008 5:36	1498.711	12.86337	12.18192	5977.08	19.52
335	4/27/2008 6:36	1498.671	12.86146	12.18192	5977.08	19.52
336	4/27/2008 7:36	1498.72	12.86369	12.17948	5977.08	19.52
337	4/27/2008 8:36	1498.707	12.86297	12.17704	5977.08	19.52
338	4/27/2008 9:36	1498.749	12.86487	12.1746	5977.08	19.52
339	4/27/2008 10:36	1498.781	12.86639	12.17436	5977.09	19.51
340	4/27/2008 11:36	1498.828	12.86886	12.17948	5977.09	19.51
341	4/27/2008 12:36	1498.914	12.87275	12.17436	5977.09	19.51
342	4/27/2008 13:36	1499.01	12.87712	12.16923	5977.10	19.50
343	4/27/2008 14:36	1499.01	12.87744	12.17655	5977.10	19.50
344	4/27/2008 15:36	1499.055	12.87959	12.17655	5977.10	19.50
345	4/27/2008 16:36	1499.064	12.87981	12.17167	5977.10	19.50
346	4/27/2008 17:36	1499.019	12.87735	12.16459	5977.10	19.50
347	4/27/2008 18:36	1498.992	12.87616	12.16703	5977.10	19.50
348	4/27/2008 19:36	1498.94	12.87377	12.16923	5977.09	19.51
349	4/27/2008 20:36	1498.841	12.86914	12.17167	5977.09	19.51
350	4/27/2008 21:36	1498.747	12.86454	12.16923	5977.08	19.52
351	4/27/2008 22:36	1498.797	12.86694	12.16923	5977.09	19.51
352	4/27/2008 23:36	1498.869	12.87038	12.16923	5977.09	19.51
353	4/28/2008 0:36	1498.934	12.87359	12.17167	5977.09	19.51
354	4/28/2008 1:36	1499.019	12.87766	12.17167	5977.10	19.50
355	4/28/2008 2:36	1499.077	12.88033	12.16923	5977.10	19.50
356	4/28/2008 3:36	1499.104	12.88174	12.17216	5977.10	19.50
357	4/28/2008 4:36	1499.077	12.88023	12.16703	5977.10	19.50
358	4/28/2008 5:36	1499.062	12.87951	12.16703	5977.10	19.50
359	4/28/2008 6:36	1499.055	12.87928	12.16923	5977.10	19.50
360	4/28/2008 7:36	1499.003	12.87659	12.16459	5977.10	19.50
361	4/28/2008 8:36	1499.012	12.8768	12.15946	5977.10	19.50

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
362	4/28/2008 9:36	1498.976	12.8754	12.16703	5977.10	19.50
363	4/28/2008 10:36	1498.976	12.87529	12.16459	5977.10	19.50
364	4/28/2008 11:36	1499.03	12.87757	12.15727	5977.10	19.50
365	4/28/2008 12:36	1499.091	12.88057	12.15946	5977.10	19.50
366	4/28/2008 13:36	1499.156	12.8839	12.16459	5977.10	19.50
367	4/28/2008 14:36	1499.201	12.88595	12.16215	5977.11	19.49
368	4/28/2008 15:36	1499.21	12.88638	12.16215	5977.11	19.49
369	4/28/2008 16:36	1499.264	12.88897	12.16215	5977.11	19.49
370	4/28/2008 17:36	1499.221	12.88691	12.16215	5977.11	19.49
371	4/28/2008 18:36	1499.185	12.8854	12.16703	5977.11	19.49
372	4/28/2008 19:36	1499.143	12.88328	12.16459	5977.10	19.50
373	4/28/2008 20:36	1499.069	12.87922	12.15238	5977.10	19.50
374	4/28/2008 21:36	1499.017	12.87704	12.15946	5977.10	19.50
375	4/28/2008 22:36	1499.021	12.87723	12.15946	5977.10	19.50
376	4/28/2008 23:36	1499.084	12.88015	12.15727	5977.10	19.50
377	4/29/2008 0:36	1499.109	12.88144	12.15946	5977.10	19.50
378	4/29/2008 1:36	1505.099	13.16835	12.15727	5977.39	19.21
379	4/29/2008 2:36	1511.122	13.45799	12.15482	5977.68	18.92
380	4/29/2008 3:36	1511.124	13.45819	12.15727	5977.68	18.92
381	4/29/2008 4:36	1511.088	13.45635	12.15482	5977.68	18.92
382	4/29/2008 5:36	1511.074	13.45568	12.15482	5977.68	18.92
383	4/29/2008 6:36	1511.042	13.45424	12.15727	5977.67	18.93
384	4/29/2008 7:36	1516.931	13.73873	12.15946	5977.96	18.64
385	4/29/2008 8:36	1510.967	13.45052	12.15482	5977.67	18.93
386	4/29/2008 9:36	1516.993	13.74154	12.15482	5977.96	18.64
387	4/29/2008 10:36	1523.058	14.03549	12.15238	5978.26	18.34
388	4/29/2008 11:36	1523.111	14.03796	12.14994	5978.26	18.34
389	4/29/2008 12:36	1529.347	14.34166	12.15238	5978.56	18.04
390	4/29/2008 13:36	1523.28	14.04618	12.14994	5978.27	18.33
391	4/29/2008 14:36	1517.283	13.75546	12.15238	5977.98	18.62
392	4/29/2008 15:36	1523.443	14.05399	12.1475	5978.27	18.33
393	4/29/2008 16:36	1517.492	13.76526	12.14506	5977.99	18.61
394	4/29/2008 17:36	1511.517	13.47682	12.14994	5977.70	18.90
395	4/29/2008 18:36	1517.478	13.76469	12.1475	5977.98	18.62
396	4/29/2008 19:36	1523.499	14.05682	12.14994	5978.28	18.32
397	4/29/2008 20:36	1535.617	14.64815	12.15238	5978.87	17.73
398	4/29/2008 21:36	1523.315	14.04787	12.14994	5978.27	18.33
399	4/29/2008 22:36	1523.329	14.04834	12.14506	5978.27	18.33
400	4/29/2008 23:36	1523.38	14.05093	12.1475	5978.27	18.33
401	4/30/2008 0:36	1523.443	14.05399	12.1475	5978.27	18.33
402	4/30/2008 1:36	1523.554	14.05938	12.1475	5978.28	18.32
403	4/30/2008 2:36	1529.698	14.35868	12.14994	5978.58	18.02
404	4/30/2008 3:36	1535.752	14.65455	12.1475	5978.87	17.73
405	4/30/2008 4:36	1535.733	14.65363	12.1475	5978.87	17.73
406	4/30/2008 5:36	1523.452	14.05453	12.14994	5978.27	18.33

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
407	4/30/2008 6:36	1523.39	14.05164	12.15263	5978.27	18.33
408	4/30/2008 7:36	1529.417	14.34476	12.14506	5978.56	18.04
409	4/30/2008 8:36	1523.338	14.04878	12.14506	5978.27	18.33
410	4/30/2008 9:36	1542.36	14.97895	12.1475	5979.20	17.40
411	4/30/2008 10:36	1523.622	14.06269	12.1475	5978.28	18.32
412	4/30/2008 11:36	1523.545	14.05863	12.14018	5978.28	18.32
413	4/30/2008 12:36	1529.677	14.35744	12.14506	5978.58	18.02
414	4/30/2008 13:36	1529.749	14.36096	12.14506	5978.58	18.02
415	4/30/2008 14:36	1535.865	14.65988	12.14262	5978.88	17.72
416	4/30/2008 15:36	1523.728	14.06752	12.13993	5978.29	18.31
417	4/30/2008 16:36	1523.735	14.06797	12.14262	5978.29	18.31
418	4/30/2008 17:36	1529.836	14.36498	12.13993	5978.58	18.02
419	4/30/2008 18:36	1529.684	14.35747	12.13773	5978.58	18.02
420	4/30/2008 19:36	1523.403	14.05173	12.14018	5978.27	18.33
421	4/30/2008 20:36	1523.343	14.04862	12.13554	5978.27	18.33
422	4/30/2008 21:36	1523.102	14.037	12.13773	5978.26	18.34
423	4/30/2008 22:36	1517.009	13.74148	12.13554	5977.96	18.64
424	4/30/2008 23:36	1516.891	13.73586	12.13773	5977.96	18.64
425	5/1/2008 0:36	1510.779	13.44094	12.14262	5977.66	18.94
426	5/1/2008 1:36	1516.891	13.73586	12.13773	5977.96	18.64
427	5/1/2008 2:36	1517.036	13.74268	12.1331	5977.96	18.64
428	5/1/2008 3:36	1517.117	13.7466	12.1331	5977.97	18.63
429	5/1/2008 4:36	1517.14	13.74793	12.13822	5977.97	18.63
430	5/1/2008 5:36	1517.092	13.74559	12.13773	5977.97	18.63
431	5/1/2008 6:36	1522.965	14.03034	12.13773	5978.25	18.35
432	5/1/2008 7:36	1516.942	13.73824	12.13554	5977.96	18.64
433	5/1/2008 8:36	1516.85	13.73378	12.13554	5977.95	18.65
434	5/1/2008 9:36	1516.873	13.73501	12.13822	5977.96	18.64
435	5/1/2008 10:36	1516.917	13.73704	12.13578	5977.96	18.64
436	5/1/2008 11:36	1522.97	14.03028	12.13065	5978.25	18.35
437	5/1/2008 12:36	1523.044	14.0341	12.13578	5978.25	18.35
438	5/1/2008 13:36	1523.032	14.03319	12.12821	5978.25	18.35
439	5/1/2008 14:36	1522.967	14.03015	12.1309	5978.25	18.35
440	5/1/2008 15:36	1522.9	14.02699	12.1331	5978.25	18.35
441	5/1/2008 16:36	1516.855	13.73392	12.1331	5977.95	18.65
442	5/1/2008 17:36	1510.761	13.43966	12.1331	5977.66	18.94
443	5/1/2008 18:36	1510.716	13.43759	12.13554	5977.66	18.94
444	5/1/2008 19:36	1516.811	13.73191	12.13578	5977.95	18.65
445	5/1/2008 20:36	1510.796	13.44135	12.1331	5977.66	18.94
446	5/1/2008 21:36	1510.811	13.44187	12.12846	5977.66	18.94
447	5/1/2008 22:36	1516.919	13.73703	12.13334	5977.96	18.64
448	5/1/2008 23:36	1523	14.03175	12.1309	5978.25	18.35
449	5/2/2008 0:36	1523.028	14.033	12.12846	5978.25	18.35
450	5/2/2008 1:36	1523.023	14.03276	12.12846	5978.25	18.35
451	5/2/2008 2:36	1523.058	14.03436	12.12602	5978.25	18.35

Well No. 82508
Water Level Readings

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Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
452	5/2/2008 3:36	1523.023	14.03266	12.12602	5978.25	18.35
453	5/2/2008 4:36	1523.002	14.03174	12.12846	5978.25	18.35
454	5/2/2008 5:36	1523	14.03154	12.12602	5978.25	18.35
455	5/2/2008 6:36	1522.958	14.0295	12.12602	5978.25	18.35
456	5/2/2008 7:36	1516.901	13.73574	12.12357	5977.96	18.64
457	5/2/2008 8:36	1516.873	13.73449	12.12602	5977.95	18.65
458	5/2/2008 9:36	1516.917	13.73672	12.12846	5977.96	18.64
459	5/2/2008 10:36	1510.691	13.4363	12.13334	5977.66	18.94
460	5/2/2008 11:36	1510.611	13.43212	12.12602	5977.65	18.95
461	5/2/2008 12:36	1510.455	13.4246	12.12577	5977.64	18.96
462	5/2/2008 13:36	1510.373	13.42066	12.12602	5977.64	18.96
463	5/2/2008 14:36	1510.269	13.41564	12.12577	5977.64	18.96
464	5/2/2008 15:36	1497.36	12.7964	12.12577	5977.02	19.58
465	5/2/2008 16:36	1503.129	13.07238	12.12333	5977.29	19.31
466	5/2/2008 17:36	1503.009	13.06663	12.12333	5977.29	19.31
467	5/2/2008 18:36	1503.027	13.06738	12.12089	5977.29	19.31
468	5/2/2008 19:36	1502.975	13.06499	12.12333	5977.28	19.32
469	5/2/2008 20:36	1502.959	13.06412	12.12089	5977.28	19.32
470	5/2/2008 21:36	1502.941	13.06328	12.12138	5977.28	19.32
471	5/2/2008 22:36	1503.043	13.06817	12.12138	5977.29	19.31
472	5/2/2008 23:36	1497.295	12.79288	12.11601	5977.01	19.59
473	5/3/2008 0:36	1503.258	13.07827	12.11649	5977.30	19.30
474	5/3/2008 1:36	1510.3	13.41684	12.11894	5977.64	18.96
475	5/3/2008 2:36	1510.369	13.42016	12.11894	5977.64	18.96
476	5/3/2008 3:36	1510.371	13.42036	12.12138	5977.64	18.96
477	5/3/2008 4:36	1510.376	13.4206	12.12138	5977.64	18.96
478	5/3/2008 5:36	1510.474	13.42542	12.12357	5977.65	18.95
479	5/3/2008 6:36	1510.467	13.42488	12.11894	5977.64	18.96
480	5/3/2008 7:36	1510.494	13.42608	12.11649	5977.65	18.95
481	5/3/2008 8:36	1510.43	13.42289	12.11405	5977.64	18.96
482	5/3/2008 9:36	1510.481	13.42535	12.11405	5977.65	18.95
483	5/3/2008 10:36	1510.485	13.42575	12.11894	5977.65	18.95
484	5/3/2008 11:36	1510.579	13.43005	12.11356	5977.65	18.95
485	5/3/2008 12:36	1516.737	13.7274	12.11405	5977.95	18.65
486	5/3/2008 13:36	1510.77	13.43915	12.11112	5977.66	18.94
487	5/3/2008 14:36	1510.805	13.44084	12.11112	5977.66	18.94
488	5/3/2008 15:36	1510.843	13.44288	12.11601	5977.66	18.94
489	5/3/2008 16:36	1510.862	13.4439	12.11845	5977.66	18.94
490	5/3/2008 17:36	1510.83	13.44225	12.11601	5977.66	18.94
491	5/3/2008 18:36	1510.764	13.43907	12.11601	5977.66	18.94
492	5/3/2008 19:36	1510.668	13.43444	12.11601	5977.65	18.95
493	5/3/2008 20:36	1510.567	13.42958	12.11601	5977.65	18.95
494	5/3/2008 21:36	1510.467	13.42467	12.11405	5977.64	18.96
495	5/3/2008 22:36	1510.49	13.42589	12.11649	5977.65	18.95
496	5/3/2008 23:36	1510.49	13.42589	12.11649	5977.65	18.95

Well No. 82508
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Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
497	5/4/2008 0:36	1510.517	13.42708	12.11405	5977.65	18.95
498	5/4/2008 1:36	1510.592	13.43057	12.11112	5977.65	18.95
499	5/4/2008 2:36	1510.626	13.43233	12.11405	5977.65	18.95
500	5/4/2008 3:36	1510.618	13.43172	12.10868	5977.65	18.95
501	5/4/2008 4:36	1510.604	13.43148	12.11894	5977.65	18.95
502	5/4/2008 5:36	1510.535	13.42785	12.11161	5977.65	18.95
503	5/4/2008 6:36	1510.419	13.42225	12.11161	5977.64	18.96
504	5/4/2008 7:36	1510.305	13.41656	12.10673	5977.64	18.96
505	5/4/2008 8:36	1510.291	13.41619	12.11405	5977.64	18.96
506	5/4/2008 9:36	1510.337	13.4182	12.10917	5977.64	18.96
507	5/4/2008 10:36	1510.387	13.42038	12.1038	5977.64	18.96
508	5/4/2008 11:36	1510.412	13.42181	12.10917	5977.64	18.96
509	5/4/2008 12:36	1510.44	13.42314	12.10868	5977.64	18.96
510	5/4/2008 13:36	1503.477	13.08823	12.1038	5977.31	19.29
511	5/4/2008 14:36	1510.538	13.42776	12.10624	5977.65	18.95
512	5/4/2008 15:36	1503.515	13.08994	12.10136	5977.31	19.29
513	5/4/2008 16:36	1510.501	13.42597	12.10624	5977.65	18.95
514	5/4/2008 17:36	1510.465	13.42434	12.10868	5977.64	18.96
515	5/4/2008 18:36	1510.405	13.42146	12.10868	5977.64	18.96
516	5/4/2008 19:36	1503.353	13.08249	12.10868	5977.30	19.30
517	5/4/2008 20:36	1503.283	13.07903	12.10624	5977.30	19.30
518	5/4/2008 21:36	1503.231	13.07632	12.10136	5977.30	19.30
519	5/4/2008 22:36	1503.235	13.07641	12.09892	5977.30	19.30
520	5/4/2008 23:36	1503.255	13.07728	12.09672	5977.30	19.30
521	5/5/2008 0:36	1503.242	13.07685	12.10136	5977.30	19.30
522	5/5/2008 1:36	1503.237	13.07651	12.09892	5977.30	19.30
523	5/5/2008 2:36	1510.337	13.41789	12.10185	5977.64	18.96
524	5/5/2008 3:36	1510.398	13.42082	12.10185	5977.64	18.96
525	5/5/2008 4:36	1510.382	13.42016	12.10429	5977.64	18.96
526	5/5/2008 5:36	1510.355	13.41875	12.10185	5977.64	18.96
527	5/5/2008 6:36	1510.337	13.41767	12.09672	5977.64	18.96
528	5/5/2008 7:36	1510.3	13.41598	12.09892	5977.64	18.96
529	5/5/2008 8:36	1510.307	13.41622	12.09672	5977.64	18.96
530	5/5/2008 9:36	1510.33	13.41753	12.10136	5977.64	18.96
531	5/5/2008 10:36	1510.348	13.41829	12.09892	5977.64	18.96
532	5/5/2008 11:36	1510.385	13.42007	12.09892	5977.64	18.96
533	5/5/2008 12:36	1510.453	13.42315	12.09428	5977.64	18.96
534	5/5/2008 13:36	1510.455	13.42335	12.09672	5977.64	18.96
535	5/5/2008 14:36	1510.517	13.42654	12.10136	5977.65	18.95
536	5/5/2008 15:36	1510.579	13.42942	12.09892	5977.65	18.95
537	5/5/2008 16:36	1516.719	13.72587	12.09892	5977.95	18.65
538	5/5/2008 17:36	1516.751	13.72722	12.09428	5977.95	18.65
539	5/5/2008 18:36	1510.711	13.43548	12.09184	5977.66	18.94
540	5/5/2008 19:36	1516.749	13.72733	12.09892	5977.95	18.65
541	5/5/2008 20:36	1510.588	13.42976	12.09672	5977.65	18.95

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
542	5/5/2008 21:36	1510.487	13.4249	12.09672	5977.64	18.96
543	5/5/2008 22:36	1510.522	13.4268	12.10185	5977.65	18.95
544	5/5/2008 23:36	1510.524	13.42677	12.09892	5977.65	18.95
545	5/6/2008 0:36	1510.563	13.42855	12.09672	5977.65	18.95
546	5/6/2008 1:36	1516.724	13.72591	12.09428	5977.95	18.65
547	5/6/2008 2:36	1516.776	13.72843	12.09428	5977.95	18.65
548	5/6/2008 3:36	1516.779	13.72847	12.09184	5977.95	18.65
549	5/6/2008 4:36	1510.674	13.4338	12.09428	5977.65	18.95
550	5/6/2008 5:36	1510.622	13.43141	12.09696	5977.65	18.95
551	5/6/2008 6:36	1510.588	13.42955	12.09184	5977.65	18.95
552	5/6/2008 7:36	1516.615	13.72055	12.09208	5977.94	18.66
553	5/6/2008 8:36	1510.533	13.42679	12.08939	5977.65	18.95
554	5/6/2008 9:36	1510.554	13.4277	12.08695	5977.65	18.95
555	5/6/2008 10:36	1510.608	13.4303	12.08695	5977.65	18.95
556	5/6/2008 11:36	1516.728	13.72601	12.09184	5977.95	18.65
557	5/6/2008 12:36	1516.769	13.72799	12.09184	5977.95	18.65
558	5/6/2008 13:36	1510.748	13.43726	12.09184	5977.66	18.94
559	5/6/2008 14:36	1510.738	13.43688	12.09428	5977.66	18.94
560	5/6/2008 15:36	1516.875	13.73301	12.08939	5977.95	18.65
561	5/6/2008 16:36	1516.88	13.73315	12.08695	5977.95	18.65
562	5/6/2008 17:36	1522.814	14.02093	12.08939	5978.24	18.36
563	5/6/2008 18:36	1516.767	13.72757	12.08451	5977.95	18.65
564	5/6/2008 19:36	1510.46	13.42338	12.09184	5977.64	18.96
565	5/6/2008 20:36	1510.257	13.41339	12.08695	5977.63	18.97
566	5/6/2008 21:36	1506.532	13.23427	12.08939	5977.45	19.15
567	5/6/2008 22:36	1506.458	13.2305	12.08451	5977.45	19.15
568	5/6/2008 23:36	1506.517	13.23334	12.08451	5977.45	19.15
569	5/7/2008 0:36	1503.393	13.08347	12.08695	5977.30	19.30
570	5/7/2008 1:36	1516.65	13.72202	12.08695	5977.94	18.66
571	5/7/2008 2:36	1510.517	13.42592	12.08695	5977.65	18.95
572	5/7/2008 3:36	1506.619	13.23835	12.08695	5977.46	19.14
573	5/7/2008 4:36	1510.177	13.40975	12.09184	5977.63	18.97
574	5/7/2008 5:36	1510.152	13.40833	12.08695	5977.63	18.97
575	5/7/2008 6:36	1510.113	13.40656	12.08939	5977.63	18.97
576	5/7/2008 7:36	1510.134	13.40757	12.08939	5977.63	18.97
577	5/7/2008 8:36	1510.159	13.40857	12.08451	5977.63	18.97
578	5/7/2008 9:36	1503.26	13.07721	12.08964	5977.30	19.30
579	5/7/2008 10:36	1503.258	13.0769	12.08451	5977.30	19.30
580	5/7/2008 11:36	1503.341	13.08066	12.07963	5977.30	19.30
581	5/7/2008 12:36	1510.43	13.42141	12.07963	5977.64	18.96
582	5/7/2008 13:36	1523.364	14.04723	12.07963	5978.27	18.33
583	5/7/2008 14:36	1522.979	14.02853	12.07963	5978.25	18.35
584	5/7/2008 15:36	1516.82	13.72982	12.07719	5977.95	18.65
585	5/7/2008 16:36	1517.177	13.74741	12.08451	5977.97	18.63
586	5/7/2008 17:36	1510.782	13.43858	12.08451	5977.66	18.94

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
587	5/7/2008 18:36	1510.782	13.43858	12.08451	5977.66	18.94
588	5/7/2008 19:36	1510.766	13.4376	12.07963	5977.66	18.94
589	5/7/2008 20:36	1516.873	13.7326	12.08207	5977.95	18.65
590	5/7/2008 21:36	1510.67	13.43277	12.07475	5977.65	18.95
591	5/7/2008 22:36	1510.56	13.42749	12.07523	5977.65	18.95
592	5/7/2008 23:36	1510.526	13.42595	12.07768	5977.65	18.95
593	5/8/2008 0:36	1510.494	13.42418	12.0723	5977.64	18.96
594	5/8/2008 1:36	1510.501	13.42452	12.0723	5977.64	18.96
595	5/8/2008 2:36	1510.535	13.42616	12.0723	5977.65	18.95
596	5/8/2008 3:36	1503.461	13.08642	12.07963	5977.31	19.29
597	5/8/2008 4:36	1503.488	13.08761	12.07719	5977.31	19.29
598	5/8/2008 5:36	1510.51	13.42527	12.07963	5977.65	18.95
599	5/8/2008 6:36	1510.597	13.42936	12.07719	5977.65	18.95
600	5/8/2008 7:36	1503.495	13.08795	12.07719	5977.31	19.29
601	5/8/2008 8:36	1503.472	13.08697	12.08012	5977.31	19.29
602	5/8/2008 9:36	1506.712	13.24229	12.07475	5977.46	19.14
603	5/8/2008 10:36	1510.385	13.41872	12.06742	5977.64	18.96
604	5/8/2008 11:36	1510.389	13.41923	12.07475	5977.64	18.96
605	5/8/2008 12:36	1510.321	13.41585	12.0723	5977.64	18.96
606	5/8/2008 13:36	1510.417	13.42037	12.06986	5977.64	18.96
607	5/8/2008 14:36	1510.41	13.42014	12.0723	5977.64	18.96
608	5/8/2008 15:36	1506.714	13.24228	12.0723	5977.46	19.14
609	5/8/2008 16:36	1506.685	13.24079	12.06986	5977.46	19.14
610	5/8/2008 17:36	1510.065	13.40341	12.06986	5977.62	18.98
611	5/8/2008 18:36	1503.156	13.07138	12.06986	5977.29	19.31
612	5/8/2008 19:36	1509.924	13.39651	12.06742	5977.62	18.98
613	5/8/2008 20:36	1509.842	13.39278	12.0723	5977.61	18.99
614	5/8/2008 21:36	1502.916	13.05977	12.06742	5977.28	19.32
615	5/8/2008 22:36	1502.93	13.06054	12.06986	5977.28	19.32
616	5/8/2008 23:36	1502.986	13.06312	12.06742	5977.28	19.32
617	5/9/2008 0:36	1503.018	13.06476	12.06986	5977.28	19.32
618	5/9/2008 1:36	1506.591	13.23649	12.07523	5977.46	19.14
619	5/9/2008 2:36	1503.197	13.07334	12.06986	5977.29	19.31
620	5/9/2008 3:36	1506.653	13.23937	12.07279	5977.46	19.14
621	5/9/2008 4:36	1506.673	13.24044	12.07523	5977.46	19.14
622	5/9/2008 5:36	1506.666	13.23989	12.07035	5977.46	19.14
623	5/9/2008 6:36	1506.678	13.24034	12.06742	5977.46	19.14
624	5/9/2008 7:36	1506.723	13.24242	12.06547	5977.46	19.14
625	5/9/2008 8:36	1510.189	13.40908	12.06278	5977.63	18.97
626	5/9/2008 9:36	1506.769	13.24452	12.06278	5977.46	19.14
627	5/9/2008 10:36	1503.389	13.08214	12.06034	5977.30	19.30
628	5/9/2008 11:36	1503.423	13.08407	12.06742	5977.30	19.30
629	5/9/2008 12:36	1510.469	13.42277	12.06742	5977.64	18.96
630	5/9/2008 13:36	1506.927	13.25231	12.06742	5977.47	19.13
631	5/9/2008 14:36	1510.601	13.42912	12.06742	5977.65	18.95

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
632	5/9/2008 15:36	1510.629	13.43048	12.06742	5977.65	18.95
633	5/9/2008 16:36	1510.563	13.4273	12.06742	5977.65	18.95
634	5/9/2008 17:36	1510.355	13.41727	12.06742	5977.64	18.96
635	5/9/2008 18:36	1506.823	13.24722	12.06522	5977.47	19.13
636	5/9/2008 19:36	1510.321	13.41564	12.06742	5977.64	18.96
637	5/9/2008 20:36	1506.739	13.24318	12.06522	5977.46	19.14
638	5/9/2008 21:36	1503.045	13.06586	12.06522	5977.29	19.31
639	5/9/2008 22:36	1502.921	13.06001	12.06742	5977.28	19.32
640	5/9/2008 23:36	1503.077	13.06749	12.06742	5977.29	19.31
641	5/10/2008 0:36	1503.14	13.07051	12.06742	5977.29	19.31
642	5/10/2008 1:36	1506.723	13.24241	12.06522	5977.46	19.14
643	5/10/2008 2:36	1510.33	13.41587	12.06278	5977.64	18.96
644	5/10/2008 3:36	1506.746	13.24341	12.06278	5977.46	19.14
645	5/10/2008 4:36	1503.303	13.07834	12.06791	5977.30	19.30
646	5/10/2008 5:36	1503.28	13.07702	12.06278	5977.30	19.30
647	5/10/2008 6:36	1506.63	13.23763	12.0579	5977.46	19.14
648	5/10/2008 7:36	1503.147	13.07043	12.0579	5977.29	19.31
649	5/10/2008 8:36	1503.095	13.06795	12.05814	5977.29	19.31
650	5/10/2008 9:36	1503.079	13.06739	12.06303	5977.29	19.31
651	5/10/2008 10:36	1503	13.06349	12.06034	5977.28	19.32
652	5/10/2008 11:36	1502.941	13.06066	12.06034	5977.28	19.32
653	5/10/2008 12:36	1502.894	13.05841	12.06034	5977.28	19.32
654	5/10/2008 13:36	1502.849	13.05604	12.05546	5977.28	19.32
655	5/10/2008 14:36	1502.81	13.05428	12.0579	5977.27	19.33
656	5/10/2008 15:36	1502.829	13.05529	12.06034	5977.28	19.32
657	5/10/2008 16:36	1502.88	13.05763	12.0579	5977.28	19.32
658	5/10/2008 17:36	1502.853	13.05634	12.0579	5977.28	19.32
659	5/10/2008 18:36	1502.921	13.0596	12.0579	5977.28	19.32
660	5/10/2008 19:36	1502.926	13.05984	12.0579	5977.28	19.32
661	5/10/2008 20:36	1502.926	13.05985	12.05814	5977.28	19.32
662	5/10/2008 21:36	1502.889	13.05807	12.0579	5977.28	19.32
663	5/10/2008 22:36	1502.885	13.05778	12.0557	5977.28	19.32
664	5/10/2008 23:36	1502.907	13.05861	12.05058	5977.28	19.32
665	5/11/2008 0:36	1503.002	13.06349	12.05814	5977.28	19.32
666	5/11/2008 1:36	1503.122	13.06923	12.0579	5977.29	19.31
667	5/11/2008 2:36	1503.242	13.07512	12.06107	5977.30	19.30
668	5/11/2008 3:36	1503.267	13.0762	12.05814	5977.30	19.30
669	5/11/2008 4:36	1503.26	13.07575	12.05546	5977.30	19.30
670	5/11/2008 5:36	1510.159	13.40754	12.06059	5977.63	18.97
671	5/11/2008 6:36	1506.721	13.24201	12.05814	5977.46	19.14
672	5/11/2008 7:36	1506.703	13.24103	12.05546	5977.46	19.14
673	5/11/2008 8:36	1503.24	13.07458	12.05058	5977.29	19.31
674	5/11/2008 9:36	1503.264	13.07605	12.05814	5977.30	19.30
675	5/11/2008 10:36	1510.198	13.40909	12.05302	5977.63	18.97
676	5/11/2008 11:36	1503.33	13.07879	12.04813	5977.30	19.30

Well No. 82508
Water Level Readings

G.S. Elev.	5996.6
Depth of Piezometer (ft)	32.38
Elev. Of Piezometer	5964.22

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
677	5/11/2008 12:36	1510.243	13.41126	12.05302	5977.63	18.97
678	5/11/2008 13:36	1506.891	13.24996	12.05302	5977.47	19.13
679	5/11/2008 14:36	1510.385	13.418	12.05058	5977.64	18.96
680	5/11/2008 15:36	1510.401	13.41866	12.04813	5977.64	18.96
681	5/11/2008 16:36	1507	13.25499	12.04813	5977.47	19.13
682	5/11/2008 17:36	1510.503	13.42379	12.05302	5977.64	18.96
683	5/11/2008 18:36	1506.968	13.25377	12.05546	5977.47	19.13
684	5/11/2008 19:36	1510.394	13.41843	12.05058	5977.64	18.96
685	5/11/2008 20:36	1510.341	13.41577	12.04813	5977.64	18.96
686	5/11/2008 21:36	1503.841	13.10329	12.04813	5977.32	19.28
687	5/11/2008 22:36	1507.007	13.25543	12.05058	5977.48	19.12
688	5/11/2008 23:36	1510.515	13.42426	12.05058	5977.64	18.96
689	5/12/2008 0:36	1507.05	13.2574	12.04813	5977.48	19.12
690	5/12/2008 1:36	1516.832	13.72916	12.04813	5977.95	18.65
691	5/12/2008 2:36	1516.848	13.72972	12.04325	5977.95	18.65
692	5/12/2008 3:36	1510.736	13.43429	12.03617	5977.65	18.95
693	5/12/2008 4:36	1516.813	13.72803	12.04325	5977.95	18.65
694	5/12/2008 5:36	1516.802	13.7275	12.04325	5977.95	18.65
695	5/12/2008 6:36	1507.046	13.2571	12.04569	5977.48	19.12
696	5/12/2008 7:36	1507.011	13.25552	12.04813	5977.48	19.12
697	5/12/2008 8:36	1510.467	13.42176	12.04618	5977.64	18.96
698	5/12/2008 9:36	1510.508	13.42372	12.04569	5977.64	18.96
699	5/12/2008 10:36	1507.05	13.25729	12.04569	5977.48	19.12
700	5/12/2008 11:36	1507.071	13.25841	12.04813	5977.48	19.12
701	5/12/2008 12:36	1510.595	13.42801	12.04813	5977.65	18.95
	5/12 AVG				5977.67	18.93

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
5	4/13/2008 10:52	1402.269	9.898751	11.9231	5969.35	17.15
6	4/13/2008 11:52	1402.367	9.902471	11.91578	5969.35	17.15
7	4/13/2008 12:52	1402.466	9.906403	11.91334	5969.36	17.14
8	4/13/2008 13:52	1402.397	9.903688	11.91578	5969.35	17.15
9	4/13/2008 14:52	1402.519	9.908381	11.90821	5969.36	17.14
10	4/13/2008 15:52	1402.539	9.909281	11.9109	5969.36	17.14
11	4/13/2008 16:52	1402.611	9.91211	11.90821	5969.36	17.14
12	4/13/2008 17:52	1402.591	9.91113	11.90333	5969.36	17.14
13	4/13/2008 18:52	1402.591	9.911298	11.90821	5969.36	17.14
14	4/13/2008 19:52	1402.566	9.910288	11.90821	5969.36	17.14
15	4/13/2008 20:52	1402.544	9.909484	11.9109	5969.36	17.14
16	4/13/2008 21:52	1402.594	9.911599	11.91334	5969.36	17.14
17	4/13/2008 22:52	1402.694	9.915656	11.91334	5969.37	17.13
18	4/13/2008 23:52	1402.741	9.917563	11.91334	5969.37	17.13
	4/13 AVG				5969.36	17.14
19	4/14/2008 0:52	1402.776	9.919153	11.91822	5969.37	17.13
20	4/14/2008 1:52	1402.745	9.91781	11.91578	5969.37	17.13
21	4/14/2008 2:52	1402.769	9.918787	11.91578	5969.37	17.13
22	4/14/2008 3:52	1402.749	9.918067	11.91846	5969.37	17.13
23	4/14/2008 4:52	1402.776	9.919078	11.91602	5969.37	17.13
24	4/14/2008 5:52	1402.788	9.919647	11.91846	5969.37	17.13
25	4/14/2008 6:52	1402.759	9.918473	11.91846	5969.37	17.13
26	4/14/2008 7:52	1402.765	9.918623	11.91578	5969.37	17.13
27	4/14/2008 8:52	1402.837	9.921462	11.91334	5969.37	17.13
28	4/14/2008 9:52	1402.873	9.922924	11.91334	5969.37	17.13
29	4/14/2008 10:52	1402.885	9.923241	11.90845	5969.37	17.13
30	4/14/2008 11:52	1402.973	9.926712	11.90552	5969.38	17.12
31	4/14/2008 12:52	1403.048	9.929754	11.90552	5969.38	17.12
32	4/14/2008 13:52	1403.08	9.930977	11.90333	5969.38	17.12
33	4/14/2008 14:52	1403.111	9.932152	11.90089	5969.38	17.12
34	4/14/2008 15:52	1403.152	9.933901	11.90333	5969.38	17.12
35	4/14/2008 16:52	1403.129	9.932969	11.90333	5969.38	17.12
36	4/14/2008 17:52	1403.156	9.93398	11.90089	5969.38	17.12
37	4/14/2008 18:52	1403.217	9.936458	11.90089	5969.39	17.11
38	4/14/2008 19:52	1403.192	9.935273	11.896	5969.39	17.11
39	4/14/2008 20:52	1403.146	9.933582	11.90113	5969.38	17.12
40	4/14/2008 21:52	1403.085	9.931011	11.89844	5969.38	17.12
41	4/14/2008 22:52	1403.194	9.935352	11.896	5969.39	17.11
42	4/14/2008 23:52	1403.29	9.939429	11.90113	5969.39	17.11
43	4/15/2008 0:52	1403.302	9.939832	11.89869	5969.39	17.11
44	4/15/2008 1:52	1403.377	9.94263	11.89161	5969.39	17.11
45	4/15/2008 2:52	1403.452	9.945754	11.89381	5969.40	17.10
46	4/15/2008 3:52	1403.462	9.946161	11.89381	5969.40	17.10
47	4/15/2008 4:52	1403.491	9.94726	11.89161	5969.40	17.10
48	4/15/2008 5:52	1403.529	9.948722	11.88917	5969.40	17.10
49	4/15/2008 6:52	1403.476	9.94665	11.89161	5969.40	17.10

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
50	4/15/2008 7:52	1403.481	9.946854	11.89161	5969.40	17.10
51	4/15/2008 8:52	1403.59	9.951196	11.88917	5969.40	17.10
52	4/15/2008 9:52	1403.564	9.949971	11.88428	5969.40	17.10
53	4/15/2008 10:52	1403.615	9.951858	11.87891	5969.40	17.10
54	4/15/2008 11:52	1403.674	9.954252	11.87891	5969.40	17.10
55	4/15/2008 12:52	1403.781	9.9586	11.87891	5969.41	17.09
56	4/15/2008 13:52	1403.826	9.960354	11.87672	5969.41	17.09
57	4/15/2008 14:52	1403.741	9.956974	11.87891	5969.41	17.09
58	4/15/2008 15:52	1403.869	9.962175	11.87891	5969.41	17.09
59	4/15/2008 16:52	1403.816	9.95993	11.87623	5969.41	17.09
60	4/15/2008 17:52	1403.718	9.955967	11.87672	5969.41	17.09
61	4/15/2008 18:52	1403.779	9.958277	11.87183	5969.41	17.09
62	4/15/2008 19:52	1403.708	9.955467	11.87403	5969.41	17.09
63	4/15/2008 20:52	1403.639	9.952759	11.87672	5969.40	17.10
64	4/15/2008 21:52	1403.603	9.951305	11.87696	5969.40	17.10
65	4/15/2008 22:52	1403.46	9.945395	11.87403	5969.40	17.10
66	4/15/2008 23:52	1403.609	9.951447	11.87403	5969.40	17.10
67	4/16/2008 0:52	1403.533	9.948544	11.8794	5969.40	17.10
68	4/16/2008 1:52	1403.57	9.949878	11.87452	5969.40	17.10
69	4/16/2008 2:52	1403.304	9.938909	11.86964	5969.39	17.11
70	4/16/2008 3:52	1403.375	9.941625	11.86475	5969.39	17.11
71	4/16/2008 4:52	1403.481	9.946011	11.86719	5969.40	17.10
72	4/16/2008 5:52	1403.444	9.944593	11.86964	5969.39	17.11
73	4/16/2008 6:52	1403.542	9.948574	11.86964	5969.40	17.10
74	4/16/2008 7:52	1403.649	9.952753	11.86475	5969.40	17.10
75	4/16/2008 8:52	1403.688	9.95425	11.86231	5969.40	17.10
76	4/16/2008 9:52	1403.631	9.952019	11.86475	5969.40	17.10
77	4/16/2008 10:52	1403.503	9.946824	11.86475	5969.40	17.10
78	4/16/2008 11:52	1403.53	9.947726	11.85914	5969.40	17.10
79	4/16/2008 12:52	1403.594	9.950686	11.86964	5969.40	17.10
80	4/16/2008 13:52	1403.458	9.944827	11.85987	5969.39	17.11
81	4/16/2008 14:52	1403.533	9.948038	11.86475	5969.40	17.10
82	4/16/2008 15:52	1403.611	9.951122	11.86231	5969.40	17.10
83	4/16/2008 16:52	1403.599	9.950636	11.86231	5969.40	17.10
84	4/16/2008 17:52	1403.523	9.947464	11.85987	5969.40	17.10
85	4/16/2008 18:52	1403.615	9.951201	11.85987	5969.40	17.10
86	4/16/2008 19:52	1403.578	9.949699	11.85987	5969.40	17.10
87	4/16/2008 20:52	1403.666	9.953274	11.85987	5969.40	17.10
88	4/16/2008 21:52	1403.611	9.95087	11.85499	5969.40	17.10
89	4/16/2008 22:52	1403.743	9.956233	11.85499	5969.41	17.09
90	4/16/2008 23:52	1403.751	9.956555	11.85499	5969.41	17.09
91	4/17/2008 0:52	1403.822	9.959441	11.85499	5969.41	17.09
92	4/17/2008 1:52	1403.854	9.96074	11.85499	5969.41	17.09
93	4/17/2008 2:52	1403.852	9.960762	11.85792	5969.41	17.09
94	4/17/2008 3:52	1403.881	9.961761	11.85279	5969.41	17.09
95	4/17/2008 4:52	1403.806	9.958893	11.85792	5969.41	17.09

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
96	4/17/2008 5:52	1403.822	9.959365	11.85279	5969.41	17.09
97	4/17/2008 6:52	1403.808	9.958888	11.85548	5969.41	17.09
98	4/17/2008 7:52	1403.812	9.959035	11.85499	5969.41	17.09
99	4/17/2008 8:52	1403.873	9.961438	11.85279	5969.41	17.09
100	4/17/2008 9:52	1403.919	9.963302	11.85279	5969.41	17.09
101	4/17/2008 10:52	1403.939	9.964023	11.8501	5969.41	17.09
102	4/17/2008 11:52	1404.045	9.968256	11.84791	5969.42	17.08
103	4/17/2008 12:52	1404.118	9.971222	11.84791	5969.42	17.08
104	4/17/2008 13:52	1404.147	9.972313	11.84547	5969.42	17.08
105	4/17/2008 14:52	1404.183	9.973691	11.84302	5969.42	17.08
106	4/17/2008 15:52	1404.189	9.973833	11.84009	5969.42	17.08
107	4/17/2008 16:52	1404.27	9.977059	11.83814	5969.43	17.07
108	4/17/2008 17:52	1404.222	9.975262	11.84254	5969.43	17.07
109	4/17/2008 18:52	1404.185	9.973691	11.84058	5969.42	17.08
110	4/17/2008 19:52	1404.183	9.973422	11.83521	5969.42	17.08
111	4/17/2008 20:52	1404.151	9.972223	11.83814	5969.42	17.08
112	4/17/2008 21:52	1404.195	9.974009	11.83814	5969.42	17.08
113	4/17/2008 22:52	1404.309	9.978725	11.84058	5969.43	17.07
114	4/17/2008 23:52	1404.333	9.979871	11.84547	5969.43	17.07
115	4/18/2008 0:52	1404.313	9.978805	11.83814	5969.43	17.07
116	4/18/2008 1:52	1404.343	9.980109	11.84058	5969.43	17.07
117	4/18/2008 2:52	1404.291	9.977996	11.84058	5969.43	17.07
118	4/18/2008 3:52	1404.291	9.977996	11.84058	5969.43	17.07
119	4/18/2008 4:52	1404.248	9.976167	11.83814	5969.43	17.07
120	4/18/2008 5:52	1404.26	9.976652	11.83814	5969.43	17.07
121	4/18/2008 6:52	1404.189	9.973681	11.8357	5969.42	17.08
122	4/18/2008 7:52	1404.179	9.973275	11.8357	5969.42	17.08
123	4/18/2008 8:52	1404.268	9.976891	11.8357	5969.43	17.07
124	4/18/2008 9:52	1404.258	9.976489	11.8357	5969.43	17.07
125	4/18/2008 10:52	1404.252	9.976156	11.83326	5969.43	17.07
126	4/18/2008 11:52	1404.364	9.98044	11.82545	5969.43	17.07
127	4/18/2008 12:52	1404.295	9.977638	11.82545	5969.43	17.07
128	4/18/2008 13:52	1404.319	9.978711	11.82838	5969.43	17.07
129	4/18/2008 14:52	1404.353	9.979918	11.82325	5969.43	17.07
130	4/18/2008 15:52	1404.356	9.980037	11.82325	5969.43	17.07
131	4/18/2008 16:52	1404.353	9.979994	11.82545	5969.43	17.07
132	4/18/2008 17:52	1404.414	9.982393	11.82325	5969.43	17.07
133	4/18/2008 18:52	1404.289	9.977314	11.82325	5969.43	17.07
134	4/18/2008 19:52	1404.24	9.975242	11.82081	5969.43	17.07
135	4/18/2008 20:52	1404.276	9.976721	11.8213	5969.43	17.07
136	4/18/2008 21:52	1404.301	9.977814	11.82349	5969.43	17.07
137	4/18/2008 22:52	1404.384	9.981186	11.82349	5969.43	17.07
138	4/18/2008 23:52	1404.293	9.977487	11.82349	5969.43	17.07
139	4/19/2008 0:52	1404.289	9.977247	11.8213	5969.43	17.07
140	4/19/2008 1:52	1404.353	9.979926	11.82349	5969.43	17.07
141	4/19/2008 2:52	1404.362	9.980293	11.82349	5969.43	17.07

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
142	4/19/2008 3:52	1404.307	9.977981	11.8213	5969.43	17.07
143	4/19/2008 4:52	1404.345	9.979431	11.81861	5969.43	17.07
144	4/19/2008 5:52	1404.313	9.978131	11.81861	5969.43	17.07
145	4/19/2008 6:52	1404.333	9.978945	11.81861	5969.43	17.07
146	4/19/2008 7:52	1404.372	9.980527	11.81861	5969.43	17.07
147	4/19/2008 8:52	1404.356	9.979793	11.81617	5969.43	17.07
148	4/19/2008 9:52	1404.425	9.982424	11.81104	5969.43	17.07
149	4/19/2008 10:52	1404.421	9.982277	11.81153	5969.43	17.07
150	4/19/2008 11:52	1404.486	9.984646	11.80372	5969.43	17.07
151	4/19/2008 12:52	1404.617	9.990053	11.80616	5969.44	17.06
152	4/19/2008 13:52	1404.68	9.992702	11.8086	5969.44	17.06
153	4/19/2008 14:52	1404.633	9.990708	11.80616	5969.44	17.06
154	4/19/2008 15:52	1404.737	9.994935	11.80616	5969.44	17.06
155	4/19/2008 16:52	1404.621	9.990217	11.80616	5969.44	17.06
156	4/19/2008 17:52	1404.613	9.98981	11.80372	5969.44	17.06
157	4/19/2008 18:52	1404.577	9.98817	11.79859	5969.44	17.06
158	4/19/2008 19:52	1404.485	9.984607	11.80372	5969.43	17.07
159	4/19/2008 20:52	1404.473	9.984204	11.80616	5969.43	17.07
160	4/19/2008 21:52	1404.558	9.987489	11.80128	5969.44	17.06
161	4/19/2008 22:52	1404.625	9.990481	11.80909	5969.44	17.06
162	4/19/2008 23:52	1404.668	9.992144	11.80665	5969.44	17.06
163	4/20/2008 0:52	1404.607	9.989837	11.81153	5969.44	17.06
164	4/20/2008 1:52	1404.534	9.986702	11.80665	5969.44	17.06
165	4/20/2008 2:52	1404.593	9.988929	11.80176	5969.44	17.06
166	4/20/2008 3:52	1404.631	9.990557	11.80421	5969.44	17.06
167	4/20/2008 4:52	1404.642	9.991003	11.80421	5969.44	17.06
168	4/20/2008 5:52	1404.607	9.989415	11.79932	5969.44	17.06
169	4/20/2008 6:52	1404.615	9.989822	11.80176	5969.44	17.06
170	4/20/2008 7:52	1404.634	9.990596	11.80176	5969.44	17.06
171	4/20/2008 8:52	1404.613	9.989743	11.80176	5969.44	17.06
172	4/20/2008 9:52	1404.702	9.99336	11.80176	5969.44	17.06
173	4/20/2008 10:52	1404.676	9.992303	11.80176	5969.44	17.06
174	4/20/2008 11:52	1404.71	9.993581	11.79884	5969.44	17.06
175	4/20/2008 12:52	1404.702	9.993183	11.79664	5969.44	17.06
176	4/20/2008 13:52	1404.755	9.995243	11.79395	5969.45	17.05
177	4/20/2008 14:52	1404.743	9.994589	11.78907	5969.44	17.06
178	4/20/2008 15:52	1404.776	9.996097	11.79395	5969.45	17.05
179	4/20/2008 16:52	1404.617	9.989464	11.78907	5969.44	17.06
180	4/20/2008 17:52	1404.593	9.988576	11.79151	5969.44	17.06
181	4/20/2008 18:52	1404.552	9.986825	11.78907	5969.44	17.06
182	4/20/2008 19:52	1404.465	9.983204	11.78663	5969.43	17.07
183	4/20/2008 20:52	1404.418	9.981462	11.79151	5969.43	17.07
184	4/20/2008 21:52	1404.443	9.982479	11.79151	5969.43	17.07
185	4/20/2008 22:52	1404.479	9.983875	11.78956	5969.43	17.07
186	4/20/2008 23:52	1404.514	9.985467	11.79444	5969.44	17.06
187	4/21/2008 0:52	1404.337	9.978274	11.79444	5969.43	17.07

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
188	4/21/2008 1:52	1404.299	9.976644	11.792	5969.43	17.07
189	4/21/2008 2:52	1404.311	9.977134	11.792	5969.43	17.07
190	4/21/2008 3:52	1404.394	9.980263	11.78492	5969.43	17.07
191	4/21/2008 4:52	1404.376	9.979689	11.78956	5969.43	17.07
192	4/21/2008 5:52	1404.39	9.980259	11.78956	5969.43	17.07
193	4/21/2008 6:52	1404.289	9.976236	11.792	5969.43	17.07
194	4/21/2008 7:52	1404.264	9.975141	11.78956	5969.43	17.07
195	4/21/2008 8:52	1404.362	9.979039	11.78712	5969.43	17.07
196	4/21/2008 9:52	1404.386	9.980011	11.78712	5969.43	17.07
197	4/21/2008 10:52	1404.423	9.981439	11.78492	5969.43	17.07
198	4/21/2008 11:52	1404.459	9.982565	11.77515	5969.43	17.07
199	4/21/2008 12:52	1404.51	9.984554	11.77271	5969.43	17.07
200	4/21/2008 13:52	1404.404	9.980147	11.76978	5969.43	17.07
201	4/21/2008 14:52	1404.481	9.983273	11.76978	5969.43	17.07
202	4/21/2008 15:52	1404.56	9.986504	11.77027	5969.44	17.06
203	4/21/2008 16:52	1404.437	9.981486	11.76978	5969.43	17.07
204	4/21/2008 17:52	1404.307	9.976389	11.77515	5969.43	17.07
205	4/21/2008 18:52	1404.187	9.971599	11.77759	5969.42	17.08
206	4/21/2008 19:52	1404.238	9.973587	11.77515	5969.42	17.08
207	4/21/2008 20:52	1404.147	9.969888	11.77515	5969.42	17.08
208	4/21/2008 21:52	1404.177	9.971024	11.77271	5969.42	17.08
209	4/21/2008 22:52	1404.234	9.973423	11.77515	5969.42	17.08
210	4/21/2008 23:52	1404.303	9.976142	11.77271	5969.43	17.07
211	4/22/2008 0:52	1404.291	9.975656	11.77271	5969.43	17.07
212	4/22/2008 1:52	1404.305	9.97631	11.77515	5969.43	17.07
213	4/22/2008 2:52	1404.368	9.978869	11.77515	5969.43	17.07
214	4/22/2008 3:52	1404.398	9.98	11.77271	5969.43	17.07
215	4/22/2008 4:52	1404.351	9.978268	11.77784	5969.43	17.07
216	4/22/2008 5:52	1404.339	9.977689	11.77515	5969.43	17.07
217	4/22/2008 6:52	1404.329	9.977283	11.77515	5969.43	17.07
218	4/22/2008 7:52	1404.307	9.976566	11.78028	5969.43	17.07
219	4/22/2008 8:52	1404.36	9.978374	11.77027	5969.43	17.07
220	4/22/2008 9:52	1404.372	9.97886	11.77027	5969.43	17.07
221	4/22/2008 10:52	1404.364	9.978621	11.77271	5969.43	17.07
222	4/22/2008 11:52	1404.406	9.980059	11.7649	5969.43	17.07
223	4/22/2008 12:52	1404.461	9.982295	11.7649	5969.43	17.07
224	4/22/2008 13:52	1404.479	9.982948	11.7627	5969.43	17.07
225	4/22/2008 14:52	1404.494	9.983559	11.7627	5969.43	17.07
226	4/22/2008 15:52	1404.532	9.985009	11.76002	5969.44	17.06
227	4/22/2008 16:52	1404.489	9.983263	11.76002	5969.43	17.07
228	4/22/2008 17:52	1404.485	9.983268	11.7649	5969.43	17.07
229	4/22/2008 18:52	1404.485	9.983268	11.7649	5969.43	17.07
230	4/22/2008 19:52	1404.335	9.977096	11.7627	5969.43	17.07
231	4/22/2008 20:52	1404.299	9.975725	11.76539	5969.43	17.07
232	4/22/2008 21:52	1404.317	9.976274	11.76002	5969.43	17.07
233	4/22/2008 22:52	1404.321	9.976438	11.76002	5969.43	17.07

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
234	4/22/2008 23:52	1404.453	9.981816	11.7605	5969.43	17.07
235	4/23/2008 0:52	1404.502	9.98389	11.76295	5969.43	17.07
236	4/23/2008 1:52	1404.485	9.9832	11.76295	5969.43	17.07
237	4/23/2008 2:52	1404.431	9.981008	11.76295	5969.43	17.07
238	4/23/2008 3:52	1404.4	9.979833	11.76539	5969.43	17.07
239	4/23/2008 4:52	1404.486	9.98324	11.76295	5969.43	17.07
240	4/23/2008 5:52	1404.435	9.981172	11.76295	5969.43	17.07
241	4/23/2008 6:52	1404.406	9.979991	11.76295	5969.43	17.07
242	4/23/2008 7:52	1404.451	9.981821	11.76295	5969.43	17.07
243	4/23/2008 8:52	1404.506	9.983969	11.7605	5969.43	17.07
244	4/23/2008 9:52	1404.496	9.983562	11.7605	5969.43	17.07
245	4/23/2008 10:52	1404.532	9.98484	11.75513	5969.43	17.07
246	4/23/2008 11:52	1404.611	9.988067	11.75562	5969.44	17.06
247	4/23/2008 12:52	1404.654	9.989642	11.7505	5969.44	17.06
248	4/23/2008 13:52	1404.603	9.987728	11.75513	5969.44	17.06
249	4/23/2008 14:52	1404.652	9.989641	11.75294	5969.44	17.06
250	4/23/2008 15:52	1404.619	9.988378	11.75513	5969.44	17.06
251	4/23/2008 16:52	1404.567	9.986088	11.75001	5969.44	17.06
252	4/23/2008 17:52	1404.522	9.984358	11.75294	5969.43	17.07
253	4/23/2008 18:52	1404.506	9.98354	11.74805	5969.43	17.07
254	4/23/2008 19:52	1404.435	9.980742	11.7505	5969.43	17.07
255	4/23/2008 20:52	1404.353	9.977417	11.75074	5969.43	17.07
256	4/23/2008 21:52	1404.25	9.973315	11.75318	5969.42	17.08
257	4/23/2008 22:52	1404.26	9.97363	11.7505	5969.42	17.08
258	4/23/2008 23:52	1404.297	9.975141	11.75074	5969.43	17.07
259	4/24/2008 0:52	1404.305	9.975553	11.75318	5969.43	17.07
260	4/24/2008 1:52	1404.278	9.974367	11.75074	5969.42	17.08
261	4/24/2008 2:52	1404.325	9.976192	11.7483	5969.43	17.07
262	4/24/2008 3:52	1404.353	9.977417	11.75074	5969.43	17.07
263	4/24/2008 4:52	1404.315	9.975785	11.7483	5969.43	17.07
264	4/24/2008 5:52	1404.276	9.974288	11.75074	5969.42	17.08
265	4/24/2008 6:52	1404.209	9.971236	11.74122	5969.42	17.08
266	4/24/2008 7:52	1404.256	9.973306	11.74586	5969.42	17.08
267	4/24/2008 8:52	1404.226	9.971993	11.74317	5969.42	17.08
268	4/24/2008 9:52	1404.327	9.976192	11.74586	5969.43	17.07
269	4/24/2008 10:52	1404.353	9.977249	11.74586	5969.43	17.07
270	4/24/2008 11:52	1404.435	9.980405	11.74073	5969.43	17.07
271	4/24/2008 12:52	1404.443	9.980559	11.73585	5969.43	17.07
272	4/24/2008 13:52	1404.418	9.979543	11.73585	5969.43	17.07
273	4/24/2008 14:52	1404.463	9.981457	11.73829	5969.43	17.07
274	4/24/2008 15:52	1404.356	9.977023	11.73585	5969.43	17.07
275	4/24/2008 16:52	1404.268	9.973531	11.73829	5969.42	17.08
276	4/24/2008 17:52	1404.354	9.977028	11.73829	5969.43	17.07
277	4/24/2008 18:52	1404.212	9.971175	11.73585	5969.42	17.08
278	4/24/2008 19:52	1403.808	9.954863	11.73878	5969.40	17.10
279	4/24/2008 20:52	1403.834	9.956003	11.74122	5969.41	17.09

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
280	4/24/2008 21:52	1403.771	9.953251	11.7356	5969.40	17.10
281	4/24/2008 22:52	1403.86	9.957059	11.74122	5969.41	17.09
282	4/24/2008 23:52	1403.903	9.958889	11.74366	5969.41	17.09
283	4/25/2008 0:52	1403.858	9.95698	11.74122	5969.41	17.09
284	4/25/2008 1:52	1403.83	9.955654	11.73585	5969.41	17.09
285	4/25/2008 2:52	1403.885	9.958076	11.74122	5969.41	17.09
286	4/25/2008 3:52	1403.915	9.959127	11.73634	5969.41	17.09
287	4/25/2008 4:52	1403.944	9.960092	11.73023	5969.41	17.09
288	4/25/2008 5:52	1403.994	9.962336	11.73634	5969.41	17.09
289	4/25/2008 6:52	1403.97	9.961358	11.73634	5969.41	17.09
290	4/25/2008 7:52	1403.952	9.960469	11.7317	5969.41	17.09
291	4/25/2008 8:52	1404.011	9.96294	11.73389	5969.41	17.09
292	4/25/2008 9:52	1403.986	9.961739	11.72852	5969.41	17.09
293	4/25/2008 10:52	1404.065	9.965132	11.73389	5969.42	17.08
294	4/25/2008 11:52	1404.063	9.964952	11.73096	5969.41	17.09
295	4/25/2008 12:52	1404.102	9.966455	11.72852	5969.42	17.08
296	4/25/2008 13:52	1404.136	9.967917	11.73096	5969.42	17.08
297	4/25/2008 14:52	1404.116	9.966935	11.72608	5969.42	17.08
298	4/25/2008 15:52	1404.082	9.965557	11.72608	5969.42	17.08
299	4/25/2008 16:52	1404.053	9.964376	11.72608	5969.41	17.09
300	4/25/2008 17:52	1404.011	9.96267	11.72608	5969.41	17.09
301	4/25/2008 18:52	1403.988	9.961739	11.72608	5969.41	17.09
302	4/25/2008 19:52	1403.858	9.956643	11.73145	5969.41	17.09
303	4/25/2008 20:52	1403.838	9.955746	11.72901	5969.41	17.09
304	4/25/2008 21:52	1403.891	9.957881	11.72852	5969.41	17.09
305	4/25/2008 22:52	1403.909	9.958632	11.72901	5969.41	17.09
306	4/25/2008 23:52	1403.865	9.956758	11.72657	5969.41	17.09
307	4/26/2008 0:52	1403.897	9.958056	11.72657	5969.41	17.09
308	4/26/2008 1:52	1403.964	9.960972	11.73218	5969.41	17.09
309	4/26/2008 2:52	1404.004	9.962986	11.74341	5969.41	17.09
310	4/26/2008 3:52	1403.917	9.958886	11.72706	5969.41	17.09
311	4/26/2008 4:52	1403.897	9.957871	11.7212	5969.41	17.09
312	4/26/2008 5:52	1403.769	9.952861	11.72657	5969.40	17.10
313	4/26/2008 6:52	1403.877	9.957243	11.72657	5969.41	17.09
314	4/26/2008 7:52	1403.72	9.950952	11.72901	5969.40	17.10
315	4/26/2008 8:52	1403.678	9.949246	11.72901	5969.40	17.10
316	4/26/2008 9:52	1403.722	9.950767	11.7212	5969.40	17.10
317	4/26/2008 10:52	1403.576	9.944754	11.71876	5969.39	17.11
318	4/26/2008 11:52	1403.483	9.941093	11.72217	5969.39	17.11
319	4/26/2008 12:52	1403.645	9.94774	11.72413	5969.40	17.10
320	4/26/2008 13:52	1403.729	9.951066	11.72169	5969.40	17.10
321	4/26/2008 14:52	1403.789	9.953585	11.72413	5969.40	17.10
322	4/26/2008 15:52	1403.84	9.955404	11.7168	5969.41	17.09
323	4/26/2008 16:52	1403.816	9.954415	11.71632	5969.40	17.10
324	4/26/2008 17:52	1403.739	9.951388	11.71925	5969.40	17.10
325	4/26/2008 18:52	1403.771	9.952586	11.71632	5969.40	17.10

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
326	4/26/2008 19:52	1403.714	9.950557	11.72462	5969.40	17.10
327	4/26/2008 20:52	1403.661	9.94822	11.71925	5969.40	17.10
328	4/26/2008 21:52	1403.623	9.946679	11.71925	5969.40	17.10
329	4/26/2008 22:52	1403.621	9.946594	11.71925	5969.40	17.10
330	4/26/2008 23:52	1403.373	9.936611	11.72169	5969.39	17.11
331	4/27/2008 0:52	1403.483	9.940908	11.7168	5969.39	17.11
332	4/27/2008 1:52	1403.613	9.946019	11.71192	5969.40	17.10
333	4/27/2008 2:52	1403.706	9.949882	11.71436	5969.40	17.10
334	4/27/2008 3:52	1403.621	9.946359	11.71241	5969.40	17.10
335	4/27/2008 4:52	1403.672	9.948498	11.71436	5969.40	17.10
336	4/27/2008 5:52	1403.694	9.949323	11.71241	5969.40	17.10
337	4/27/2008 6:52	1403.696	9.949492	11.71485	5969.40	17.10
338	4/27/2008 7:52	1403.729	9.950897	11.7168	5969.40	17.10
339	4/27/2008 8:52	1403.7	9.949634	11.71436	5969.40	17.10
340	4/27/2008 9:52	1403.737	9.95114	11.71436	5969.40	17.10
341	4/27/2008 10:52	1403.783	9.953005	11.71436	5969.40	17.10
342	4/27/2008 11:52	1403.816	9.954171	11.70924	5969.40	17.10
343	4/27/2008 12:52	1403.889	9.957136	11.70924	5969.41	17.09
344	4/27/2008 13:52	1403.86	9.955788	11.70435	5969.41	17.09
345	4/27/2008 14:52	1403.869	9.956155	11.70435	5969.41	17.09
346	4/27/2008 15:52	1403.913	9.958108	11.70924	5969.41	17.09
347	4/27/2008 16:52	1403.846	9.95521	11.70411	5969.41	17.09
348	4/27/2008 17:52	1403.796	9.953274	11.70679	5969.40	17.10
349	4/27/2008 18:52	1403.802	9.953517	11.70679	5969.40	17.10
350	4/27/2008 19:52	1403.737	9.951056	11.71192	5969.40	17.10
351	4/27/2008 20:52	1403.651	9.947216	11.70191	5969.40	17.10
352	4/27/2008 21:52	1403.639	9.947	11.70972	5969.40	17.10
353	4/27/2008 22:52	1403.726	9.95026	11.70191	5969.40	17.10
354	4/27/2008 23:52	1403.806	9.953613	11.70484	5969.40	17.10
355	4/28/2008 0:52	1403.832	9.954745	11.70704	5969.40	17.10
356	4/28/2008 1:52	1403.84	9.954991	11.70484	5969.40	17.10
357	4/28/2008 2:52	1403.856	9.955717	11.70704	5969.41	17.09
358	4/28/2008 3:52	1403.844	9.955323	11.70972	5969.41	17.09
359	4/28/2008 4:52	1403.789	9.952995	11.70704	5969.40	17.10
360	4/28/2008 5:52	1403.796	9.953122	11.7024	5969.40	17.10
361	4/28/2008 6:52	1403.755	9.951616	11.70704	5969.40	17.10
362	4/28/2008 7:52	1403.735	9.950644	11.7024	5969.40	17.10
363	4/28/2008 8:52	1403.777	9.952349	11.7024	5969.40	17.10
364	4/28/2008 9:52	1403.714	9.94969	11.69947	5969.40	17.10
365	4/28/2008 10:52	1403.716	9.949963	11.70509	5969.40	17.10
366	4/28/2008 11:52	1403.785	9.952576	11.69947	5969.40	17.10
367	4/28/2008 12:52	1403.856	9.955473	11.69996	5969.41	17.09
368	4/28/2008 13:52	1403.781	9.952066	11.68946	5969.40	17.10
369	4/28/2008 14:52	1403.828	9.954236	11.69703	5969.40	17.10
370	4/28/2008 15:52	1403.86	9.955451	11.69459	5969.41	17.09
371	4/28/2008 16:52	1403.84	9.954638	11.69459	5969.40	17.10

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
372	4/28/2008 17:52	1403.804	9.953176	11.69459	5969.40	17.10
373	4/28/2008 18:52	1403.824	9.953904	11.69215	5969.40	17.10
374	4/28/2008 19:52	1403.718	9.949685	11.69459	5969.40	17.10
375	4/28/2008 20:52	1403.69	9.948738	11.7002	5969.40	17.10
376	4/28/2008 21:52	1403.684	9.948403	11.69752	5969.40	17.10
377	4/28/2008 22:52	1403.724	9.950029	11.69752	5969.40	17.10
378	4/28/2008 23:52	1403.808	9.953339	11.69459	5969.40	17.10
379	4/29/2008 0:52	1403.83	9.954332	11.69752	5969.40	17.10
380	4/29/2008 1:52	1403.86	9.955468	11.69507	5969.41	17.09
381	4/29/2008 2:52	1403.856	9.955389	11.69752	5969.41	17.09
382	4/29/2008 3:52	1403.844	9.954734	11.69263	5969.40	17.10
383	4/29/2008 4:52	1403.796	9.952869	11.69507	5969.40	17.10
384	4/29/2008 5:52	1403.794	9.952702	11.69263	5969.40	17.10
385	4/29/2008 6:52	1403.751	9.95104	11.69507	5969.40	17.10
386	4/29/2008 7:52	1403.735	9.950307	11.69263	5969.40	17.10
387	4/29/2008 8:52	1403.785	9.952508	11.69752	5969.40	17.10
388	4/29/2008 9:52	1403.844	9.954566	11.68775	5969.40	17.10
389	4/29/2008 10:52	1403.901	9.956965	11.69019	5969.41	17.09
390	4/29/2008 11:52	1403.99	9.960479	11.68726	5969.41	17.09
391	4/29/2008 12:52	1404.053	9.962954	11.68482	5969.41	17.09
392	4/29/2008 13:52	1404.013	9.961495	11.6897	5969.41	17.09
393	4/29/2008 14:52	1404.065	9.963709	11.69263	5969.41	17.09
394	4/29/2008 15:52	1404.134	9.966331	11.68726	5969.42	17.08
395	4/29/2008 16:52	1404.126	9.966087	11.6897	5969.42	17.08
396	4/29/2008 17:52	1404.074	9.963891	11.68726	5969.41	17.09
397	4/29/2008 18:52	1404.065	9.96344	11.68482	5969.41	17.09
398	4/29/2008 19:52	1404.043	9.962715	11.6897	5969.41	17.09
399	4/29/2008 20:52	1403.944	9.95861	11.68726	5969.41	17.09
400	4/29/2008 21:52	1403.927	9.95792	11.68726	5969.41	17.09
401	4/29/2008 22:52	1403.99	9.960479	11.68726	5969.41	17.09
402	4/29/2008 23:52	1404.043	9.962564	11.68531	5969.41	17.09
403	4/30/2008 0:52	1404.074	9.963823	11.68531	5969.41	17.09
404	4/30/2008 1:52	1404.155	9.967116	11.68531	5969.42	17.08
405	4/30/2008 2:52	1404.112	9.965194	11.68018	5969.42	17.08
406	4/30/2008 3:52	1404.047	9.962644	11.68287	5969.41	17.09
407	4/30/2008 4:52	1404.047	9.962644	11.68287	5969.41	17.09
408	4/30/2008 5:52	1404.025	9.961835	11.68531	5969.41	17.09
409	4/30/2008 6:52	1403.97	9.959515	11.68287	5969.41	17.09
410	4/30/2008 7:52	1404.004	9.960814	11.68043	5969.41	17.09
411	4/30/2008 8:52	1404.039	9.962063	11.67554	5969.41	17.09
412	4/30/2008 9:52	1404.066	9.963248	11.67799	5969.41	17.09
413	4/30/2008 10:52	1404.114	9.965105	11.6753	5969.42	17.08
414	4/30/2008 11:52	1404.134	9.966095	11.68043	5969.42	17.08
415	4/30/2008 12:52	1404.181	9.967828	11.6753	5969.42	17.08
416	4/30/2008 13:52	1404.209	9.968879	11.67286	5969.42	17.08
417	4/30/2008 14:52	1404.224	9.969742	11.68018	5969.42	17.08

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
418	4/30/2008 15:52	1404.226	9.969636	11.67481	5969.42	17.08
419	4/30/2008 16:52	1404.26	9.970851	11.66993	5969.42	17.08
420	4/30/2008 17:52	1404.181	9.967912	11.67774	5969.42	17.08
421	4/30/2008 18:52	1404.009	9.96084	11.6753	5969.41	17.09
422	4/30/2008 19:52	1404.009	9.960647	11.66968	5969.41	17.09
423	4/30/2008 20:52	1403.854	9.954636	11.67799	5969.40	17.10
424	4/30/2008 21:52	1403.771	9.951172	11.6753	5969.40	17.10
425	4/30/2008 22:52	1403.71	9.948608	11.67286	5969.40	17.10
426	4/30/2008 23:52	1403.552	9.942286	11.67554	5969.39	17.11
427	5/1/2008 0:52	1403.603	9.944266	11.67286	5969.39	17.11
428	5/1/2008 1:52	1403.661	9.946452	11.66798	5969.40	17.10
429	5/1/2008 2:52	1403.897	9.956212	11.6731	5969.41	17.09
430	5/1/2008 3:52	1403.895	9.956302	11.67799	5969.41	17.09
431	5/1/2008 4:52	1403.996	9.960234	11.6731	5969.41	17.09
432	5/1/2008 5:52	1403.798	9.952275	11.67554	5969.40	17.10
433	5/1/2008 6:52	1403.765	9.950937	11.67554	5969.40	17.10
434	5/1/2008 7:52	1403.702	9.948295	11.6731	5969.40	17.10
435	5/1/2008 8:52	1403.716	9.94886	11.6731	5969.40	17.10
436	5/1/2008 9:52	1403.81	9.952598	11.67066	5969.40	17.10
437	5/1/2008 10:52	1403.802	9.952271	11.67066	5969.40	17.10
438	5/1/2008 11:52	1403.856	9.954547	11.6731	5969.40	17.10
439	5/1/2008 12:52	1403.921	9.95719	11.6731	5969.41	17.09
440	5/1/2008 13:52	1403.802	9.952439	11.67554	5969.40	17.10
441	5/1/2008 14:52	1403.708	9.948538	11.6731	5969.40	17.10
442	5/1/2008 15:52	1403.726	9.949183	11.67066	5969.40	17.10
443	5/1/2008 16:52	1403.71	9.948373	11.66602	5969.40	17.10
444	5/1/2008 17:52	1403.7	9.948042	11.66822	5969.40	17.10
445	5/1/2008 18:52	1403.69	9.947636	11.66822	5969.40	17.10
446	5/1/2008 19:52	1403.791	9.95174	11.66822	5969.40	17.10
447	5/1/2008 20:52	1403.769	9.950772	11.66602	5969.40	17.10
448	5/1/2008 21:52	1403.814	9.952673	11.66822	5969.40	17.10
449	5/1/2008 22:52	1403.946	9.957961	11.66602	5969.41	17.09
450	5/1/2008 23:52	1403.976	9.959176	11.66602	5969.41	17.09
451	5/2/2008 0:52	1403.936	9.957631	11.66822	5969.41	17.09
452	5/2/2008 1:52	1403.936	9.957555	11.66602	5969.41	17.09
453	5/2/2008 2:52	1403.952	9.958281	11.66822	5969.41	17.09
454	5/2/2008 3:52	1403.897	9.956044	11.66822	5969.41	17.09
455	5/2/2008 4:52	1403.905	9.956295	11.66602	5969.41	17.09
456	5/2/2008 5:52	1403.846	9.953972	11.66822	5969.40	17.10
457	5/2/2008 6:52	1403.796	9.952028	11.67066	5969.40	17.10
458	5/2/2008 7:52	1403.745	9.949871	11.66822	5969.40	17.10
459	5/2/2008 8:52	1403.814	9.952673	11.66822	5969.40	17.10
460	5/2/2008 9:52	1403.767	9.950596	11.66334	5969.40	17.10
461	5/2/2008 10:52	1403.669	9.946783	11.66822	5969.40	17.10
462	5/2/2008 11:52	1403.57	9.942595	11.66334	5969.39	17.11
463	5/2/2008 12:52	1403.408	9.936008	11.66309	5969.39	17.11

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
464	5/2/2008 13:52	1403.395	9.935584	11.66602	5969.39	17.11
465	5/2/2008 14:52	1403.288	9.931052	11.66065	5969.38	17.12
466	5/2/2008 15:52	1403.273	9.930274	11.65577	5969.38	17.12
467	5/2/2008 16:52	1403.166	9.926118	11.66114	5969.38	17.12
468	5/2/2008 17:52	1403.154	9.925465	11.65626	5969.38	17.12
469	5/2/2008 18:52	1403.182	9.926683	11.6587	5969.38	17.12
470	5/2/2008 19:52	1403.117	9.924126	11.66114	5969.37	17.13
471	5/2/2008 20:52	1403.121	9.92429	11.66114	5969.37	17.13
472	5/2/2008 21:52	1403.139	9.925023	11.66114	5969.38	17.12
473	5/2/2008 22:52	1403.29	9.931153	11.66114	5969.38	17.12
474	5/2/2008 23:52	1403.387	9.935164	11.66334	5969.39	17.11
475	5/3/2008 0:52	1403.432	9.936994	11.66334	5969.39	17.11
476	5/3/2008 1:52	1403.533	9.940932	11.6587	5969.39	17.11
477	5/3/2008 2:52	1403.556	9.942046	11.66382	5969.39	17.11
478	5/3/2008 3:52	1403.515	9.940288	11.66114	5969.39	17.11
479	5/3/2008 4:52	1403.613	9.944345	11.66334	5969.39	17.11
480	5/3/2008 5:52	1403.631	9.945089	11.66382	5969.40	17.10
481	5/3/2008 6:52	1403.403	9.935923	11.66651	5969.39	17.11
482	5/3/2008 7:52	1403.464	9.938216	11.66114	5969.39	17.11
483	5/3/2008 8:52	1403.483	9.938821	11.65626	5969.39	17.11
484	5/3/2008 9:52	1403.529	9.940689	11.65626	5969.39	17.11
485	5/3/2008 10:52	1403.564	9.942107	11.65626	5969.39	17.11
486	5/3/2008 11:52	1403.637	9.94497	11.65333	5969.39	17.11
487	5/3/2008 12:52	1403.694	9.947286	11.65333	5969.40	17.10
488	5/3/2008 13:52	1403.714	9.948099	11.65333	5969.40	17.10
489	5/3/2008 14:52	1403.739	9.948963	11.64893	5969.40	17.10
490	5/3/2008 15:52	1403.743	9.949026	11.646	5969.40	17.10
491	5/3/2008 16:52	1403.724	9.948253	11.646	5969.40	17.10
492	5/3/2008 17:52	1403.688	9.946874	11.64844	5969.40	17.10
493	5/3/2008 18:52	1403.613	9.94383	11.64844	5969.39	17.11
494	5/3/2008 19:52	1403.539	9.940822	11.64844	5969.39	17.11
495	5/3/2008 20:52	1403.491	9.93889	11.64893	5969.39	17.11
496	5/3/2008 21:52	1403.381	9.934424	11.64893	5969.38	17.12
497	5/3/2008 22:52	1403.418	9.935926	11.64893	5969.39	17.11
498	5/3/2008 23:52	1403.416	9.935762	11.64649	5969.39	17.11
499	5/4/2008 0:52	1403.446	9.937066	11.64893	5969.39	17.11
500	5/4/2008 1:52	1403.483	9.938568	11.64893	5969.39	17.11
501	5/4/2008 2:52	1403.507	9.939455	11.64649	5969.39	17.11
502	5/4/2008 3:52	1403.501	9.939381	11.65137	5969.39	17.11
503	5/4/2008 4:52	1403.46	9.937547	11.64649	5969.39	17.11
504	5/4/2008 5:52	1403.414	9.935762	11.64893	5969.39	17.11
505	5/4/2008 6:52	1403.344	9.932838	11.64649	5969.38	17.12
506	5/4/2008 7:52	1403.314	9.93162	11.64649	5969.38	17.12
507	5/4/2008 8:52	1403.334	9.932264	11.64161	5969.38	17.12
508	5/4/2008 9:52	1403.361	9.933351	11.64136	5969.38	17.12
509	5/4/2008 10:52	1403.397	9.934729	11.63892	5969.38	17.12

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
510	5/4/2008 11:52	1403.418	9.935581	11.63892	5969.39	17.11
511	5/4/2008 12:52	1403.471	9.937648	11.63648	5969.39	17.11
512	5/4/2008 13:52	1403.513	9.939437	11.63892	5969.39	17.11
513	5/4/2008 14:52	1403.526	9.939968	11.63892	5969.39	17.11
514	5/4/2008 15:52	1403.536	9.940206	11.63404	5969.39	17.11
515	5/4/2008 16:52	1403.479	9.937975	11.63648	5969.39	17.11
516	5/4/2008 17:52	1403.479	9.937891	11.63404	5969.39	17.11
517	5/4/2008 18:52	1403.438	9.936226	11.63404	5969.39	17.11
518	5/4/2008 19:52	1403.385	9.934074	11.63404	5969.38	17.12
519	5/4/2008 20:52	1403.332	9.932092	11.63892	5969.38	17.12
520	5/4/2008 21:52	1403.288	9.93032	11.63941	5969.38	17.12
521	5/4/2008 22:52	1403.247	9.928562	11.63673	5969.38	17.12
522	5/4/2008 23:52	1403.282	9.929808	11.6316	5969.38	17.12
523	5/5/2008 0:52	1403.253	9.92881	11.63673	5969.38	17.12
524	5/5/2008 1:52	1403.302	9.930797	11.63673	5969.38	17.12
525	5/5/2008 2:52	1403.359	9.933204	11.63941	5969.38	17.12
526	5/5/2008 3:52	1403.395	9.934666	11.63941	5969.38	17.12
527	5/5/2008 4:52	1403.365	9.933354	11.63673	5969.38	17.12
528	5/5/2008 5:52	1403.349	9.932705	11.63673	5969.38	17.12
529	5/5/2008 6:52	1403.324	9.931604	11.63428	5969.38	17.12
530	5/5/2008 7:52	1403.28	9.929997	11.63941	5969.38	17.12
531	5/5/2008 8:52	1403.318	9.931615	11.64161	5969.38	17.12
532	5/5/2008 9:52	1403.336	9.932348	11.64161	5969.38	17.12
533	5/5/2008 10:52	1403.349	9.932612	11.63404	5969.38	17.12
534	5/5/2008 11:52	1403.41	9.935099	11.63428	5969.39	17.11
535	5/5/2008 12:52	1403.458	9.937038	11.63404	5969.39	17.11
536	5/5/2008 13:52	1403.436	9.935978	11.62916	5969.39	17.11
537	5/5/2008 14:52	1403.428	9.935735	11.6316	5969.39	17.11
538	5/5/2008 15:52	1403.485	9.937965	11.62916	5969.39	17.11
539	5/5/2008 16:52	1403.487	9.93805	11.62916	5969.39	17.11
540	5/5/2008 17:52	1403.493	9.938377	11.6316	5969.39	17.11
541	5/5/2008 18:52	1403.477	9.937728	11.6316	5969.39	17.11
542	5/5/2008 19:52	1403.416	9.935249	11.6316	5969.39	17.11
543	5/5/2008 20:52	1403.332	9.931586	11.62427	5969.38	17.12
544	5/5/2008 21:52	1403.296	9.930377	11.6316	5969.38	17.12
545	5/5/2008 22:52	1403.304	9.930615	11.62916	5969.38	17.12
546	5/5/2008 23:52	1403.32	9.931265	11.62916	5969.38	17.12
547	5/6/2008 0:52	1403.381	9.933751	11.6294	5969.38	17.12
548	5/6/2008 1:52	1403.379	9.933663	11.62916	5969.38	17.12
549	5/6/2008 2:52	1403.42	9.935328	11.62916	5969.39	17.11
550	5/6/2008 3:52	1403.349	9.932536	11.63184	5969.38	17.12
551	5/6/2008 4:52	1403.308	9.930956	11.63428	5969.38	17.12
552	5/6/2008 5:52	1403.261	9.929048	11.63428	5969.38	17.12
553	5/6/2008 6:52	1403.194	9.926159	11.6294	5969.38	17.12
554	5/6/2008 7:52	1403.202	9.926654	11.63428	5969.38	17.12
555	5/6/2008 8:52	1403.196	9.926327	11.63184	5969.38	17.12

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
556	5/6/2008 9:52	1403.204	9.926473	11.62672	5969.38	17.12
557	5/6/2008 10:52	1403.278	9.92956	11.62916	5969.38	17.12
558	5/6/2008 11:52	1403.271	9.929193	11.62672	5969.38	17.12
559	5/6/2008 12:52	1403.314	9.931022	11.62916	5969.38	17.12
560	5/6/2008 13:52	1403.312	9.930859	11.62672	5969.38	17.12
561	5/6/2008 14:52	1403.328	9.931339	11.62183	5969.38	17.12
562	5/6/2008 15:52	1403.375	9.933247	11.62183	5969.38	17.12
563	5/6/2008 16:52	1403.28	9.929391	11.62183	5969.38	17.12
564	5/6/2008 17:52	1403.282	9.92947	11.62183	5969.38	17.12
565	5/6/2008 18:52	1403.133	9.923341	11.61939	5969.37	17.13
566	5/6/2008 19:52	1403.007	9.918138	11.61695	5969.37	17.13
567	5/6/2008 20:52	1402.879	9.913114	11.62183	5969.36	17.14
568	5/6/2008 21:52	1402.847	9.9119	11.62427	5969.36	17.14
569	5/6/2008 22:52	1402.849	9.911895	11.62183	5969.36	17.14
570	5/6/2008 23:52	1402.904	9.914045	11.61939	5969.36	17.14
571	5/7/2008 0:52	1403.009	9.918474	11.62427	5969.37	17.13
572	5/7/2008 1:52	1403.028	9.919343	11.6272	5969.37	17.13
573	5/7/2008 2:52	1402.956	9.916156	11.61939	5969.37	17.13
574	5/7/2008 3:52	1402.808	9.910146	11.61939	5969.36	17.14
575	5/7/2008 4:52	1402.841	9.911669	11.62476	5969.36	17.14
576	5/7/2008 5:52	1402.78	9.909028	11.61988	5969.36	17.14
577	5/7/2008 6:52	1402.761	9.90834	11.62232	5969.36	17.14
578	5/7/2008 7:52	1402.776	9.908949	11.62232	5969.36	17.14
579	5/7/2008 8:52	1402.792	9.909598	11.62232	5969.36	17.14
580	5/7/2008 9:52	1402.773	9.908909	11.62476	5969.36	17.14
581	5/7/2008 10:52	1402.8	9.910009	11.62476	5969.36	17.14
582	5/7/2008 11:52	1402.861	9.91238	11.62183	5969.36	17.14
583	5/7/2008 12:52	1402.969	9.916765	11.62183	5969.37	17.13
584	5/7/2008 13:52	1402.983	9.917251	11.61939	5969.37	17.13
585	5/7/2008 14:52	1403.052	9.920051	11.61939	5969.37	17.13
586	5/7/2008 15:52	1403.117	9.922771	11.62183	5969.37	17.13
587	5/7/2008 16:52	1403.109	9.922364	11.61939	5969.37	17.13
588	5/7/2008 17:52	1403.151	9.923985	11.61695	5969.37	17.13
589	5/7/2008 18:52	1403.17	9.924943	11.62232	5969.37	17.13
590	5/7/2008 19:52	1403.119	9.922771	11.61939	5969.37	17.13
591	5/7/2008 20:52	1403.115	9.922691	11.62183	5969.37	17.13
592	5/7/2008 21:52	1403.044	9.919909	11.62476	5969.37	17.13
593	5/7/2008 22:52	1403.052	9.920051	11.61939	5969.37	17.13
594	5/7/2008 23:52	1403.089	9.921653	11.62232	5969.37	17.13
595	5/8/2008 0:52	1403.058	9.92031	11.61988	5969.37	17.13
596	5/8/2008 1:52	1403.084	9.921265	11.61695	5969.37	17.13
597	5/8/2008 2:52	1403.064	9.920552	11.61988	5969.37	17.13
598	5/8/2008 3:52	1403.048	9.919719	11.61451	5969.37	17.13
599	5/8/2008 4:52	1403.127	9.922924	11.61451	5969.37	17.13
600	5/8/2008 5:52	1403.07	9.920628	11.615	5969.37	17.13
601	5/8/2008 6:52	1403.056	9.920062	11.615	5969.37	17.13

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
602	5/8/2008 7:52	1403.07	9.920712	11.61744	5969.37	17.13
603	5/8/2008 8:52	1403.04	9.919497	11.61744	5969.37	17.13
604	5/8/2008 9:52	1403.054	9.919978	11.615	5969.37	17.13
605	5/8/2008 10:52	1402.91	9.914204	11.61695	5969.36	17.14
606	5/8/2008 11:52	1402.979	9.916759	11.60987	5969.37	17.13
607	5/8/2008 12:52	1402.983	9.917015	11.61256	5969.37	17.13
608	5/8/2008 13:52	1403.105	9.921872	11.60987	5969.37	17.13
609	5/8/2008 14:52	1402.922	9.914529	11.61231	5969.36	17.14
610	5/8/2008 15:52	1402.944	9.915337	11.60987	5969.37	17.13
611	5/8/2008 16:52	1402.873	9.91229	11.60499	5969.36	17.14
612	5/8/2008 17:52	1402.774	9.908357	11.60743	5969.36	17.14
613	5/8/2008 18:52	1402.776	9.908436	11.60743	5969.36	17.14
614	5/8/2008 19:52	1402.682	9.904705	11.60987	5969.35	17.15
615	5/8/2008 20:52	1402.462	9.895696	11.60743	5969.35	17.15
616	5/8/2008 21:52	1402.34	9.890827	11.60987	5969.34	17.16
617	5/8/2008 22:52	1402.397	9.893147	11.61011	5969.34	17.16
618	5/8/2008 23:52	1402.375	9.892341	11.61256	5969.34	17.16
619	5/9/2008 0:52	1402.413	9.893713	11.60767	5969.34	17.16
620	5/9/2008 1:52	1402.521	9.89818	11.61011	5969.35	17.15
621	5/9/2008 2:52	1402.653	9.903619	11.61256	5969.35	17.15
622	5/9/2008 3:52	1402.71	9.905848	11.61011	5969.36	17.14
623	5/9/2008 4:52	1402.714	9.906096	11.61256	5969.36	17.14
624	5/9/2008 5:52	1402.774	9.908448	11.61011	5969.36	17.14
625	5/9/2008 6:52	1402.763	9.908082	11.61256	5969.36	17.14
626	5/9/2008 7:52	1402.865	9.912224	11.61256	5969.36	17.14
627	5/9/2008 8:52	1402.896	9.913314	11.60767	5969.36	17.14
628	5/9/2008 9:52	1402.993	9.917169	11.60523	5969.37	17.13
629	5/9/2008 10:52	1403.046	9.919319	11.60523	5969.37	17.13
630	5/9/2008 11:52	1403.097	9.921213	11.6001	5969.37	17.13
631	5/9/2008 12:52	1403.19	9.925069	11.60255	5969.38	17.12
632	5/9/2008 13:52	1403.235	9.927066	11.60743	5969.38	17.12
633	5/9/2008 14:52	1403.286	9.929137	11.60743	5969.38	17.12
634	5/9/2008 15:52	1403.296	9.929376	11.60255	5969.38	17.12
635	5/9/2008 16:52	1403.253	9.927547	11.6001	5969.38	17.12
636	5/9/2008 17:52	1403.182	9.924579	11.59766	5969.37	17.13
637	5/9/2008 18:52	1403.253	9.927631	11.60255	5969.38	17.12
638	5/9/2008 19:52	1403.245	9.927304	11.60255	5969.38	17.12
639	5/9/2008 20:52	1403.044	9.919058	11.6001	5969.37	17.13
640	5/9/2008 21:52	1402.857	9.911557	11.60255	5969.36	17.14
641	5/9/2008 22:52	1402.93	9.914604	11.60499	5969.36	17.14
642	5/9/2008 23:52	1403.034	9.918918	11.60767	5969.37	17.13
643	5/10/2008 0:52	1403.038	9.918983	11.60499	5969.37	17.13
644	5/10/2008 1:52	1403.267	9.928128	11.60059	5969.38	17.12
645	5/10/2008 2:52	1403.196	9.925493	11.60767	5969.38	17.12
646	5/10/2008 3:52	1403.129	9.922772	11.60767	5969.37	17.13
647	5/10/2008 4:52	1403.204	9.925647	11.60279	5969.38	17.12

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
648	5/10/2008 5:52	1403.178	9.924592	11.60279	5969.37	17.13
649	5/10/2008 6:52	1403.113	9.921955	11.60279	5969.37	17.13
650	5/10/2008 7:52	1402.981	9.916594	11.60279	5969.37	17.13
651	5/10/2008 8:52	1403.08	9.920696	11.60523	5969.37	17.13
652	5/10/2008 9:52	1403.21	9.92589	11.60279	5969.38	17.12
653	5/10/2008 10:52	1403.005	9.917654	11.60523	5969.37	17.13
654	5/10/2008 11:52	1402.997	9.917234	11.60255	5969.37	17.13
655	5/10/2008 12:52	1402.869	9.912135	11.60523	5969.36	17.14
656	5/10/2008 13:52	1402.934	9.91477	11.60523	5969.36	17.14
657	5/10/2008 14:52	1402.879	9.912364	11.6001	5969.36	17.14
658	5/10/2008 15:52	1402.908	9.913623	11.60255	5969.36	17.14
659	5/10/2008 16:52	1402.906	9.913544	11.60255	5969.36	17.14
660	5/10/2008 17:52	1402.959	9.915534	11.59791	5969.37	17.13
661	5/10/2008 18:52	1403.001	9.917238	11.59791	5969.37	17.13
662	5/10/2008 19:52	1403.03	9.91851	11.60059	5969.37	17.13
663	5/10/2008 20:52	1403.011	9.917383	11.59034	5969.37	17.13
664	5/10/2008 21:52	1402.993	9.916916	11.59791	5969.37	17.13
665	5/10/2008 22:52	1403.032	9.918337	11.59327	5969.37	17.13
666	5/10/2008 23:52	1403.042	9.918827	11.59571	5969.37	17.13
667	5/11/2008 0:52	1403.143	9.923001	11.59791	5969.37	17.13
668	5/11/2008 1:52	1403.267	9.928036	11.59791	5969.38	17.12
669	5/11/2008 2:52	1403.326	9.930359	11.59571	5969.38	17.12
670	5/11/2008 3:52	1403.308	9.929701	11.59791	5969.38	17.12
671	5/11/2008 4:52	1403.328	9.930438	11.59571	5969.38	17.12
672	5/11/2008 5:52	1403.349	9.931367	11.59791	5969.38	17.12
673	5/11/2008 6:52	1403.286	9.928649	11.59327	5969.38	17.12
674	5/11/2008 7:52	1403.308	9.929701	11.59791	5969.38	17.12
675	5/11/2008 8:52	1403.341	9.93088	11.59327	5969.38	17.12
676	5/11/2008 9:52	1403.369	9.932019	11.59327	5969.38	17.12
677	5/11/2008 10:52	1403.408	9.933667	11.59522	5969.38	17.12
678	5/11/2008 11:52	1403.422	9.934255	11.59571	5969.38	17.12
679	5/11/2008 12:52	1403.497	9.937197	11.59278	5969.39	17.11
680	5/11/2008 13:52	1403.544	9.939021	11.59034	5969.39	17.11
681	5/11/2008 14:52	1403.564	9.939919	11.59278	5969.39	17.11
682	5/11/2008 15:52	1403.568	9.939914	11.5879	5969.39	17.11
683	5/11/2008 16:52	1403.623	9.94198	11.58301	5969.39	17.11
684	5/11/2008 17:52	1403.609	9.941495	11.58546	5969.39	17.11
685	5/11/2008 18:52	1403.609	9.941495	11.58546	5969.39	17.11
686	5/11/2008 19:52	1403.588	9.940642	11.58546	5969.39	17.11
687	5/11/2008 20:52	1403.615	9.941822	11.5879	5969.39	17.11
688	5/11/2008 21:52	1403.643	9.942873	11.58546	5969.39	17.11
689	5/11/2008 22:52	1403.674	9.944301	11.59034	5969.39	17.11
690	5/11/2008 23:52	1403.737	9.946863	11.59034	5969.40	17.10
691	5/12/2008 0:52	1403.761	9.947852	11.59083	5969.40	17.10
692	5/12/2008 1:52	1403.85	9.951467	11.59083	5969.40	17.10
693	5/12/2008 2:52	1403.854	9.95163	11.59083	5969.40	17.10

Well No. 82608
Water Level Readings

G.S. Elev.	5986.5
Depth of Piezometer (ft)	27.05
Elev. Of Piezometer	5959.45

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
694	5/12/2008 3:52	1403.828	9.95049	11.58839	5969.40	17.10
695	5/12/2008 4:52	1403.808	9.94976	11.59083	5969.40	17.10
696	5/12/2008 5:52	1403.808	9.949677	11.58839	5969.40	17.10
697	5/12/2008 6:52	1403.771	9.948174	11.58839	5969.40	17.10
698	5/12/2008 7:52	1403.82	9.950078	11.58594	5969.40	17.10
699	5/12/2008 8:52	1403.842	9.950975	11.58594	5969.40	17.10
700	5/12/2008 9:52	1403.856	9.95144	11.58301	5969.40	17.10
701	5/12/2008 10:52	1403.889	9.952699	11.58057	5969.40	17.10
702	5/12/2008 11:52	1403.915	9.953839	11.58301	5969.40	17.10
	5/12 AVG				5969.40	17.10

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
4	4/13/2008 12:09	1467.121	10.83049	13.42266	5979.64	16.06
5	4/13/2008 13:09	1467.059	10.82785	13.42315	5979.64	16.06
6	4/13/2008 14:09	1466.968	10.82379	13.41826	5979.63	16.07
7	4/13/2008 15:09	1466.882	10.8201	13.41826	5979.63	16.07
8	4/13/2008 16:09	1466.779	10.81552	13.41314	5979.63	16.07
9	4/13/2008 17:09	1466.684	10.81144	13.41314	5979.62	16.08
10	4/13/2008 18:09	1466.596	10.80734	13.40337	5979.62	16.08
11	4/13/2008 19:09	1466.491	10.80268	13.39849	5979.61	16.09
12	4/13/2008 20:09	1466.375	10.79755	13.3936	5979.61	16.09
13	4/13/2008 21:09	1466.274	10.79322	13.3936	5979.60	16.10
14	4/13/2008 22:09	1466.19	10.78945	13.38848	5979.60	16.10
15	4/13/2008 23:09	1466.151	10.7877	13.38604	5979.60	16.10
	4/13 AVG				5979.62	16.08
16	4/14/2008 0:09	1466.093	10.78505	13.38115	5979.60	16.10
17	4/14/2008 1:09	1466.003	10.78112	13.37871	5979.59	16.11
18	4/14/2008 2:09	1465.938	10.77825	13.37627	5979.59	16.11
19	4/14/2008 3:09	1465.872	10.77534	13.37383	5979.59	16.11
20	4/14/2008 4:09	1465.76	10.77046	13.37139	5979.58	16.12
21	4/14/2008 5:09	1465.693	10.76743	13.36651	5979.58	16.12
22	4/14/2008 6:09	1465.579	10.76238	13.36162	5979.57	16.13
23	4/14/2008 7:09	1465.517	10.75949	13.35454	5979.57	16.13
24	4/14/2008 8:09	1465.444	10.75613	13.34746	5979.57	16.13
25	4/14/2008 9:09	1468.056	10.86806	13.34526	5979.68	16.02
26	4/14/2008 10:09	1468.123	10.87069	13.33794	5979.68	16.02
27	4/14/2008 11:09	1468.174	10.87263	13.33062	5979.68	16.02
28	4/14/2008 12:09	1481.69	11.45564	13.33306	5980.27	15.43
29	4/14/2008 13:09	1482.67	11.49796	13.32817	5980.31	15.39
30	4/14/2008 14:09	1481.998	11.46867	13.32329	5980.28	15.42
31	4/14/2008 15:09	1480.475	11.4026	13.32085	5980.21	15.49
32	4/14/2008 16:09	1479.093	11.34264	13.31621	5980.15	15.55
33	4/14/2008 17:09	1478.791	11.32949	13.31353	5980.14	15.56
34	4/14/2008 18:09	1478.71	11.32582	13.30864	5980.14	15.56
35	4/14/2008 19:09	1478.68	11.32453	13.30864	5980.13	15.57
36	4/14/2008 20:09	1478.538	11.31839	13.30864	5980.13	15.57
37	4/14/2008 21:09	1478.446	11.31432	13.30596	5980.12	15.58
38	4/14/2008 22:09	1478.26	11.30612	13.30108	5980.12	15.58
39	4/14/2008 23:09	1478.262	11.30612	13.29863	5980.12	15.58
40	4/15/2008 0:09	1478.166	11.30197	13.29863	5980.11	15.59
41	4/15/2008 1:09	1478.028	11.29593	13.29644	5980.11	15.59
42	4/15/2008 2:09	1477.869	11.28898	13.29375	5980.10	15.60
43	4/15/2008 3:09	1477.764	11.28429	13.28911	5980.09	15.61
44	4/15/2008 4:09	1477.576	11.27608	13.28667	5980.09	15.61
45	4/15/2008 5:09	1477.439	11.27008	13.28423	5980.08	15.62
46	4/15/2008 6:09	1477.251	11.26188	13.28179	5980.07	15.63
47	4/15/2008 7:09	1477.092	11.25501	13.28179	5980.07	15.63

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
48	4/15/2008 8:09	1476.976	11.24983	13.27691	5980.06	15.64
49	4/15/2008 9:09	1476.824	11.24312	13.27227	5980.05	15.65
50	4/15/2008 10:09	1476.695	11.2373	13.26494	5980.05	15.65
51	4/15/2008 11:09	1476.592	11.23278	13.2625	5980.04	15.66
52	4/15/2008 12:09	1476.569	11.2317	13.26006	5980.04	15.66
53	4/15/2008 13:09	1476.462	11.22692	13.25518	5980.04	15.66
54	4/15/2008 14:09	1476.146	11.2132	13.25274	5980.02	15.68
55	4/15/2008 15:09	1471.592	11.01695	13.25274	5979.83	15.87
56	4/15/2008 16:09	1464.17	10.69831	13.2481	5979.51	16.19
57	4/15/2008 17:09	1461.839	10.59855	13.24541	5979.41	16.29
58	4/15/2008 18:09	1460.355	10.53518	13.24541	5979.35	16.35
59	4/15/2008 19:09	1459.113	10.48213	13.24321	5979.29	16.41
60	4/15/2008 20:09	1458.096	10.43868	13.24053	5979.25	16.45
61	4/15/2008 21:09	1456.979	10.39111	13.24053	5979.20	16.50
62	4/15/2008 22:09	1456.005	10.34959	13.23833	5979.16	16.54
63	4/15/2008 23:09	1454.977	10.30579	13.23589	5979.12	16.58
64	4/16/2008 0:09	1454.051	10.26619	13.22832	5979.08	16.62
65	4/16/2008 1:09	1453.364	10.23701	13.22832	5979.05	16.65
66	4/16/2008 2:09	1452.697	10.20853	13.22344	5979.02	16.68
67	4/16/2008 3:09	1451.893	10.17441	13.22344	5978.98	16.72
68	4/16/2008 4:09	1451.263	10.1477	13.22344	5978.96	16.74
69	4/16/2008 5:09	1450.895	10.1321	13.22344	5978.94	16.76
70	4/16/2008 6:09	1450.377	10.11007	13.221	5978.92	16.78
71	4/16/2008 7:09	1449.906	10.09011	13.221	5978.90	16.80
72	4/16/2008 8:09	1449.435	10.07009	13.21856	5978.88	16.82
73	4/16/2008 9:09	1448.963	10.04986	13.21123	5978.86	16.84
74	4/16/2008 10:09	1448.392	10.02562	13.20879	5978.84	16.86
75	4/16/2008 11:09	1447.792	10.00008	13.20391	5978.81	16.89
76	4/16/2008 12:09	1447.27	9.977929	13.20147	5978.79	16.91
77	4/16/2008 13:09	1446.636	9.951051	13.19902	5978.76	16.94
78	4/16/2008 14:09	1446.054	9.926623	13.20391	5978.74	16.96
79	4/16/2008 15:09	1445.469	9.9016	13.19414	5978.71	16.99
80	4/16/2008 16:09	1444.918	9.878341	13.19414	5978.69	17.01
81	4/16/2008 17:09	1444.219	9.84885	13.19414	5978.66	17.04
82	4/16/2008 18:09	1443.754	9.829153	13.19146	5978.64	17.06
83	4/16/2008 19:09	1443.206	9.805971	13.18901	5978.62	17.08
84	4/16/2008 20:09	1442.808	9.789035	13.18413	5978.60	17.10
85	4/16/2008 21:09	1442.51	9.77632	13.17925	5978.59	17.11
86	4/16/2008 22:09	1442.09	9.758796	13.18438	5978.57	17.13
87	4/16/2008 23:09	1441.849	9.748569	13.18194	5978.56	17.14
88	4/17/2008 0:09	1441.388	9.728989	13.17681	5978.54	17.16
89	4/17/2008 1:09	1441.082	9.716114	13.17681	5978.53	17.17
90	4/17/2008 2:09	1440.814	9.704753	13.17437	5978.51	17.19
91	4/17/2008 3:09	1440.547	9.693521	13.17437	5978.50	17.20
92	4/17/2008 4:09	1440.802	9.704017	13.16729	5978.51	17.19

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
93	4/17/2008 5:09	1440.036	9.671878	13.16973	5978.48	17.22
94	4/17/2008 6:09	1439.883	9.665365	13.16729	5978.48	17.22
95	4/17/2008 7:09	1439.404	9.645228	13.16729	5978.46	17.24
96	4/17/2008 8:09	1439.102	9.632456	13.16484	5978.44	17.26
97	4/17/2008 9:09	1438.894	9.623474	13.15752	5978.43	17.27
98	4/17/2008 10:09	1438.764	9.617932	13.15508	5978.43	17.27
99	4/17/2008 11:09	1439.178	9.635252	13.15288	5978.45	17.25
100	4/17/2008 12:09	1439.145	9.633867	13.15288	5978.44	17.26
101	4/17/2008 13:09	1439.01	9.628034	13.148	5978.44	17.26
102	4/17/2008 14:09	1438.857	9.621453	13.14336	5978.43	17.27
103	4/17/2008 15:09	1438.737	9.616412	13.14336	5978.43	17.27
104	4/17/2008 16:09	1438.64	9.612086	13.13579	5978.42	17.28
105	4/17/2008 17:09	1438.522	9.607136	13.13604	5978.42	17.28
106	4/17/2008 18:09	1438.35	9.600008	13.13897	5978.41	17.29
107	4/17/2008 19:09	1438.261	9.595924	13.12847	5978.41	17.29
108	4/17/2008 20:09	1437.947	9.582822	13.13091	5978.39	17.31
109	4/17/2008 21:09	1437.753	9.574517	13.12603	5978.38	17.32
110	4/17/2008 22:09	1437.501	9.563936	13.12603	5978.37	17.33
111	4/17/2008 23:09	1437.261	9.554025	13.13091	5978.36	17.34
112	4/18/2008 0:09	1436.941	9.540439	13.12603	5978.35	17.35
113	4/18/2008 1:09	1436.939	9.540263	13.12334	5978.35	17.35
114	4/18/2008 2:09	1436.912	9.53897	13.11846	5978.35	17.35
115	4/18/2008 3:09	1435.944	9.498292	13.11602	5978.31	17.39
116	4/18/2008 4:09	1435.464	9.478261	13.1187	5978.29	17.41
117	4/18/2008 5:09	1434.965	9.457262	13.11602	5978.27	17.43
118	4/18/2008 6:09	1434.428	9.43469	13.11358	5978.24	17.46
119	4/18/2008 7:09	1433.871	9.411126	13.10625	5978.22	17.48
120	4/18/2008 8:09	1433.4	9.391496	13.10869	5978.20	17.50
121	4/18/2008 9:09	1432.936	9.37218	13.11162	5978.18	17.52
122	4/18/2008 10:09	1432.404	9.34977	13.10674	5978.16	17.54
123	4/18/2008 11:09	1432.289	9.344804	13.1021	5978.15	17.55
124	4/18/2008 12:09	1431.506	9.311996	13.09966	5978.12	17.58
125	4/18/2008 13:09	1431.062	9.293366	13.09722	5978.10	17.60
126	4/18/2008 14:09	1430.505	9.270022	13.09478	5978.08	17.62
127	4/18/2008 15:09	1430.096	9.252783	13.08989	5978.06	17.64
128	4/18/2008 16:09	1429.715	9.236881	13.08989	5978.05	17.65
129	4/18/2008 17:09	1429.407	9.22403	13.08989	5978.03	17.67
130	4/18/2008 18:09	1428.9	9.20281	13.0877	5978.01	17.69
131	4/18/2008 19:09	1428.465	9.184668	13.0877	5977.99	17.71
132	4/18/2008 20:09	1427.89	9.160604	13.08477	5977.97	17.73
133	4/18/2008 21:09	1427.444	9.142034	13.08525	5977.95	17.75
134	4/18/2008 22:09	1426.967	9.122249	13.0877	5977.93	17.77
135	4/18/2008 23:09	1426.515	9.103168	13.07988	5977.91	17.79
136	4/19/2008 0:09	1425.986	9.081146	13.07988	5977.89	17.81
137	4/19/2008 1:09	1425.499	9.060804	13.07744	5977.87	17.83

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
138	4/19/2008 2:09	1425.155	9.046343	13.0728	5977.86	17.84
139	4/19/2008 3:09	1424.613	9.023877	13.075	5977.83	17.87
140	4/19/2008 4:09	1423.99	8.99806	13.07744	5977.81	17.89
141	4/19/2008 5:09	1423.449	8.97543	13.0728	5977.79	17.91
142	4/19/2008 6:09	1422.874	8.951552	13.0728	5977.76	17.94
143	4/19/2008 7:09	1422.328	8.928885	13.0728	5977.74	17.96
144	4/19/2008 8:09	1421.796	8.906722	13.07012	5977.72	17.98
145	4/19/2008 9:09	1421.327	8.887203	13.06816	5977.70	18.00
146	4/19/2008 10:09	1420.911	8.869792	13.06328	5977.68	18.02
147	4/19/2008 11:09	1420.521	8.853463	13.0584	5977.66	18.04
148	4/19/2008 12:09	1420.277	8.843189	13.05352	5977.65	18.05
149	4/19/2008 13:09	1419.866	8.82632	13.0584	5977.64	18.06
150	4/19/2008 14:09	1419.565	8.813689	13.05352	5977.62	18.08
151	4/19/2008 15:09	1419.191	8.798044	13.04863	5977.61	18.09
152	4/19/2008 16:09	1418.935	8.787365	13.04619	5977.60	18.10
153	4/19/2008 17:09	1418.516	8.770099	13.04863	5977.58	18.12
154	4/19/2008 18:09	1418.267	8.759713	13.04619	5977.57	18.13
155	4/19/2008 19:09	1417.812	8.740891	13.04619	5977.55	18.15
156	4/19/2008 20:09	1417.38	8.722944	13.04375	5977.53	18.17
157	4/19/2008 21:09	1416.999	8.707273	13.04619	5977.52	18.18
158	4/19/2008 22:09	1416.613	8.691237	13.04375	5977.50	18.20
159	4/19/2008 23:09	1416.266	8.676808	13.04107	5977.49	18.21
160	4/20/2008 0:09	1415.893	8.661478	13.04351	5977.47	18.23
161	4/20/2008 1:09	1415.555	8.647523	13.04351	5977.46	18.24
162	4/20/2008 2:09	1415.16	8.631052	13.03862	5977.44	18.26
163	4/20/2008 3:09	1414.794	8.615941	13.03862	5977.43	18.27
164	4/20/2008 4:09	1414.359	8.597913	13.03618	5977.41	18.29
165	4/20/2008 5:09	1413.957	8.58141	13.03862	5977.39	18.31
166	4/20/2008 6:09	1413.504	8.562737	13.03887	5977.37	18.33
167	4/20/2008 7:09	1413.034	8.543283	13.03643	5977.35	18.35
168	4/20/2008 8:09	1412.641	8.526923	13.03154	5977.34	18.36
169	4/20/2008 9:09	1412.23	8.509917	13.02935	5977.32	18.38
170	4/20/2008 10:09	1411.855	8.494384	13.02666	5977.30	18.40
171	4/20/2008 11:09	1411.457	8.478087	13.02935	5977.29	18.41
172	4/20/2008 12:09	1411.116	8.463887	13.02446	5977.27	18.43
173	4/20/2008 13:09	1410.815	8.45141	13.02178	5977.26	18.44
174	4/20/2008 14:09	1410.565	8.441035	13.01909	5977.25	18.45
175	4/20/2008 15:09	1410.229	8.427233	13.01958	5977.24	18.46
176	4/20/2008 16:09	1409.93	8.414946	13.01982	5977.22	18.48
177	4/20/2008 17:09	1409.557	8.399439	13.0147	5977.21	18.49
178	4/20/2008 18:09	1409.239	8.386368	13.0147	5977.20	18.50
179	4/20/2008 19:09	1408.844	8.370135	13.0147	5977.18	18.52
180	4/20/2008 20:09	1408.417	8.352513	13.01226	5977.16	18.54
181	4/20/2008 21:09	1407.981	8.334606	13.01226	5977.14	18.56
182	4/20/2008 22:09	1407.598	8.318884	13.01226	5977.13	18.57

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
183	4/20/2008 23:09	1407.172	8.301479	13.0147	5977.11	18.59
184	4/21/2008 0:09	1406.842	8.287402	12.99834	5977.10	18.60
185	4/21/2008 1:09	1406.333	8.266811	13.00713	5977.08	18.62
186	4/21/2008 2:09	1405.883	8.248443	13.00957	5977.06	18.64
187	4/21/2008 3:09	1405.519	8.23344	13.00713	5977.04	18.66
188	4/21/2008 4:09	1405.15	8.218399	13.00957	5977.03	18.67
189	4/21/2008 5:09	1404.729	8.201151	13.00957	5977.01	18.69
190	4/21/2008 6:09	1404.349	8.185507	13.00713	5977.00	18.70
191	4/21/2008 7:09	1403.974	8.170234	13.00957	5976.98	18.72
192	4/21/2008 8:09	1403.55	8.152801	13.00713	5976.96	18.74
193	4/21/2008 9:09	1403.219	8.139093	13.00225	5976.95	18.75
194	4/21/2008 10:09	1402.859	8.124367	13.00225	5976.93	18.77
195	4/21/2008 11:09	1402.759	8.120205	13.00005	5976.93	18.77
196	4/21/2008 12:09	1402.487	8.109002	12.99761	5976.92	18.78
197	4/21/2008 13:09	1402.228	8.09833	12.99517	5976.91	18.79
198	4/21/2008 14:09	1401.89	8.084265	12.9876	5976.89	18.81
199	4/21/2008 15:09	1401.664	8.075113	12.99028	5976.89	18.81
200	4/21/2008 16:09	1401.44	8.065887	12.98809	5976.88	18.82
201	4/21/2008 17:09	1401.047	8.049907	12.99028	5976.86	18.84
202	4/21/2008 18:09	1400.658	8.034099	12.99273	5976.84	18.86
203	4/21/2008 19:09	1400.537	8.029078	12.99028	5976.84	18.86
204	4/21/2008 20:09	1399.998	8.007069	12.99004	5976.82	18.88
205	4/21/2008 21:09	1399.608	7.991153	12.99004	5976.80	18.90
206	4/21/2008 22:09	1399.226	7.975485	12.9876	5976.79	18.91
207	4/21/2008 23:09	1398.907	7.962475	12.9876	5976.77	18.93
208	4/22/2008 0:09	1398.625	7.950816	12.98272	5976.76	18.94
209	4/22/2008 1:09	1398.261	7.936137	12.9876	5976.75	18.95
210	4/22/2008 2:09	1397.958	7.92362	12.98247	5976.73	18.97
211	4/22/2008 3:09	1397.655	7.911443	12.9876	5976.72	18.98
212	4/22/2008 4:09	1397.45	7.902839	12.98003	5976.71	18.99
213	4/22/2008 5:09	1397.054	7.886959	12.9876	5976.70	19.00
214	4/22/2008 6:09	1396.716	7.872867	12.97759	5976.68	19.02
215	4/22/2008 7:09	1396.365	7.85858	12.97759	5976.67	19.03
216	4/22/2008 8:09	1396.042	7.845683	12.98516	5976.66	19.04
217	4/22/2008 9:09	1395.942	7.841294	12.97539	5976.65	19.05
218	4/22/2008 10:09	1395.79	7.834958	12.97075	5976.64	19.06
219	4/22/2008 11:09	1395.623	7.828172	12.971	5976.64	19.06
220	4/22/2008 12:09	1395.446	7.820892	12.96856	5976.63	19.07
221	4/22/2008 13:09	1395.399	7.81882	12.96367	5976.63	19.07
222	4/22/2008 14:09	1395.261	7.813125	12.96123	5976.62	19.08
223	4/22/2008 15:09	1395.156	7.808775	12.95879	5976.62	19.08
224	4/22/2008 16:09	1395.06	7.804873	12.95879	5976.61	19.09
225	4/22/2008 17:09	1394.928	7.799583	12.96123	5976.61	19.09
226	4/22/2008 18:09	1394.782	7.793488	12.95635	5976.60	19.10
227	4/22/2008 19:09	1394.65	7.788043	12.95391	5976.60	19.10

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
228	4/22/2008 20:09	1394.399	7.777922	12.95635	5976.59	19.11
229	4/22/2008 21:09	1394.107	7.766216	12.96123	5976.58	19.12
230	4/22/2008 22:09	1393.977	7.761014	12.96367	5976.57	19.13
231	4/22/2008 23:09	1393.701	7.749633	12.95855	5976.56	19.14
232	4/23/2008 0:09	1393.546	7.743176	12.95366	5976.55	19.15
233	4/23/2008 1:09	1393.375	7.736391	12.95855	5976.55	19.15
234	4/23/2008 2:09	1393.154	7.727338	12.9561	5976.54	19.16
235	4/23/2008 3:09	1392.849	7.714953	12.9561	5976.52	19.18
236	4/23/2008 4:09	1392.486	7.700299	12.95855	5976.51	19.19
237	4/23/2008 5:09	1392.335	7.69409	12.9561	5976.50	19.20
238	4/23/2008 6:09	1392.11	7.684962	12.9561	5976.49	19.21
239	4/23/2008 7:09	1391.796	7.672306	12.95855	5976.48	19.22
240	4/23/2008 8:09	1391.659	7.666751	12.95855	5976.48	19.22
241	4/23/2008 9:09	1391.543	7.661882	12.95366	5976.47	19.23
242	4/23/2008 10:09	1391.519	7.660679	12.94658	5976.47	19.23
243	4/23/2008 11:09	1391.707	7.668464	12.95147	5976.48	19.22
244	4/23/2008 12:09	1391.535	7.661488	12.95147	5976.47	19.23
245	4/23/2008 13:09	1391.421	7.656784	12.94902	5976.47	19.23
246	4/23/2008 14:09	1391.272	7.650661	12.94658	5976.46	19.24
247	4/23/2008 15:09	1391.256	7.649932	12.94414	5976.46	19.24
248	4/23/2008 16:09	1391.157	7.645838	12.9417	5976.46	19.24
249	4/23/2008 17:09	1391.043	7.641136	12.93926	5976.45	19.25
250	4/23/2008 18:09	1390.881	7.634649	12.9417	5976.44	19.26
251	4/23/2008 19:09	1390.767	7.630028	12.9417	5976.44	19.26
252	4/23/2008 20:09	1390.643	7.624922	12.93926	5976.43	19.27
253	4/23/2008 21:09	1390.349	7.61301	12.93926	5976.42	19.28
254	4/23/2008 22:09	1390.047	7.600856	12.9417	5976.41	19.29
255	4/23/2008 23:09	1389.852	7.59304	12.94414	5976.40	19.30
256	4/24/2008 0:09	1389.64	7.584373	12.9417	5976.39	19.31
257	4/24/2008 1:09	1389.416	7.575294	12.94146	5976.39	19.31
258	4/24/2008 2:09	1389.221	7.567397	12.94146	5976.38	19.32
259	4/24/2008 3:09	1389.043	7.560193	12.94146	5976.37	19.33
260	4/24/2008 4:09	1388.849	7.552261	12.93901	5976.36	19.34
261	4/24/2008 5:09	1388.669	7.544895	12.93657	5976.35	19.35
262	4/24/2008 6:09	1388.355	7.532191	12.93657	5976.34	19.36
263	4/24/2008 7:09	1388.129	7.523051	12.93657	5976.33	19.37
264	4/24/2008 8:09	1387.973	7.516581	12.93169	5976.33	19.37
265	4/24/2008 9:09	1388.05	7.519785	12.93438	5976.33	19.37
266	4/24/2008 10:09	1387.875	7.512625	12.93193	5976.32	19.38
267	4/24/2008 11:09	1387.752	7.507577	12.92974	5976.32	19.38
268	4/24/2008 12:09	1387.796	7.509198	12.92485	5976.32	19.38
269	4/24/2008 13:09	1387.727	7.506409	12.92485	5976.32	19.38
270	4/24/2008 14:09	1388.347	7.531486	12.92485	5976.34	19.36
271	4/24/2008 15:09	1388.116	7.522058	12.92241	5976.33	19.37
272	4/24/2008 16:09	1387.852	7.511384	12.92241	5976.32	19.38

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
273	4/24/2008 17:09	1387.806	7.509523	12.92241	5976.32	19.38
274	4/24/2008 18:09	1387.694	7.504911	12.91997	5976.31	19.39
275	4/24/2008 19:09	1387.411	7.49331	12.91509	5976.30	19.40
276	4/24/2008 20:09	1386.763	7.467359	12.92241	5976.28	19.42
277	4/24/2008 21:09	1386.563	7.459183	12.91948	5976.27	19.43
278	4/24/2008 22:09	1386.171	7.44335	12.91948	5976.25	19.45
279	4/24/2008 23:09	1386.055	7.438747	12.92192	5976.25	19.45
280	4/25/2008 0:09	1386.101	7.44052	12.91948	5976.25	19.45
281	4/25/2008 1:09	1385.698	7.424169	12.91704	5976.23	19.47
282	4/25/2008 2:09	1385.379	7.411373	12.91948	5976.22	19.48
283	4/25/2008 3:09	1385.439	7.413712	12.91704	5976.22	19.48
284	4/25/2008 4:09	1385.287	7.407578	12.91704	5976.22	19.48
285	4/25/2008 5:09	1385.147	7.402087	12.92192	5976.21	19.49
286	4/25/2008 6:09	1384.909	7.392398	12.91924	5976.20	19.50
287	4/25/2008 7:09	1384.723	7.384812	12.9168	5976.19	19.51
288	4/25/2008 8:09	1384.543	7.377557	12.91704	5976.19	19.51
289	4/25/2008 9:09	1384.453	7.373768	12.91216	5976.18	19.52
290	4/25/2008 10:09	1384.25	7.365508	12.90996	5976.18	19.52
291	4/25/2008 11:09	1384.074	7.358482	12.91216	5976.17	19.53
292	4/25/2008 12:09	1384.077	7.358621	12.91265	5976.17	19.53
293	4/25/2008 13:09	1384.478	7.374793	12.91265	5976.18	19.52
294	4/25/2008 14:09	1384.873	7.390568	12.90776	5976.20	19.50
295	4/25/2008 15:09	1384.806	7.387865	12.90776	5976.20	19.50
296	4/25/2008 16:09	1384.792	7.387218	12.90532	5976.20	19.50
297	4/25/2008 17:09	1384.639	7.381047	12.90532	5976.19	19.51
298	4/25/2008 18:09	1384.443	7.373139	12.90532	5976.18	19.52
299	4/25/2008 19:09	1384.261	7.365798	12.90532	5976.18	19.52
300	4/25/2008 20:09	1383.995	7.355064	12.90508	5976.17	19.53
301	4/25/2008 21:09	1383.901	7.351275	12.90508	5976.16	19.54
302	4/25/2008 22:09	1383.731	7.344339	12.90264	5976.15	19.55
303	4/25/2008 23:09	1383.528	7.336236	12.90508	5976.15	19.55
304	4/26/2008 0:09	1383.319	7.327734	12.90264	5976.14	19.56
305	4/26/2008 1:09	1383.206	7.323183	12.90264	5976.13	19.57
306	4/26/2008 2:09	1383.009	7.315164	12.9002	5976.13	19.57
307	4/26/2008 3:09	1382.956	7.31303	12.9002	5976.12	19.58
308	4/26/2008 4:09	1382.709	7.303077	12.9002	5976.11	19.59
309	4/26/2008 5:09	1382.48	7.293845	12.89995	5976.10	19.60
310	4/26/2008 6:09	1382.247	7.284709	12.90752	5976.09	19.61
311	4/26/2008 7:09	1382.333	7.288094	12.90508	5976.10	19.60
312	4/26/2008 8:09	1381.895	7.27038	12.90264	5976.08	19.62
313	4/26/2008 9:09	1381.729	7.263697	12.90264	5976.07	19.63
314	4/26/2008 10:09	1381.37	7.249168	12.9002	5976.06	19.64
315	4/26/2008 11:09	1381.626	7.259389	12.89775	5976.07	19.63
316	4/26/2008 12:09	1381.863	7.268931	12.89775	5976.08	19.62
317	4/26/2008 13:09	1382.39	7.290149	12.89775	5976.10	19.60

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
318	4/26/2008 14:09	1382.325	7.287529	12.89775	5976.10	19.60
319	4/26/2008 15:09	1382.195	7.282134	12.89287	5976.09	19.61
320	4/26/2008 16:09	1382.084	7.277666	12.89287	5976.09	19.61
321	4/26/2008 17:09	1381.857	7.268538	12.89312	5976.08	19.62
322	4/26/2008 18:09	1381.733	7.263378	12.88799	5976.07	19.63
323	4/26/2008 19:09	1381.721	7.262979	12.89067	5976.07	19.63
324	4/26/2008 20:09	1381.406	7.250376	12.89287	5976.06	19.64
325	4/26/2008 21:09	1381.227	7.243095	12.89043	5976.05	19.65
326	4/26/2008 22:09	1380.994	7.2338	12.89287	5976.04	19.66
327	4/26/2008 23:09	1380.611	7.218225	12.88775	5976.03	19.67
328	4/27/2008 0:09	1380.339	7.207376	12.89043	5976.02	19.68
329	4/27/2008 1:09	1380.287	7.205285	12.89043	5976.02	19.68
330	4/27/2008 2:09	1380.337	7.207209	12.88775	5976.02	19.68
331	4/27/2008 3:09	1380.329	7.206885	12.88775	5976.02	19.68
332	4/27/2008 4:09	1380.359	7.208093	12.88775	5976.02	19.68
333	4/27/2008 5:09	1380.22	7.202422	12.8853	5976.01	19.69
334	4/27/2008 6:09	1380.003	7.19371	12.88555	5976.00	19.70
335	4/27/2008 7:09	1379.822	7.186425	12.8853	5976.00	19.70
336	4/27/2008 8:09	1379.704	7.181601	12.88286	5975.99	19.71
337	4/27/2008 9:09	1379.699	7.181408	12.88311	5975.99	19.71
338	4/27/2008 10:09	1379.819	7.18607	12.87822	5976.00	19.70
339	4/27/2008 11:09	1379.868	7.188058	12.87871	5976.00	19.70
340	4/27/2008 12:09	1379.999	7.193323	12.87871	5976.00	19.70
341	4/27/2008 13:09	1380.019	7.194128	12.87871	5976.00	19.70
342	4/27/2008 14:09	1379.933	7.190581	12.87603	5976.00	19.70
343	4/27/2008 15:09	1379.956	7.191436	12.87383	5976.00	19.70
344	4/27/2008 16:09	1379.973	7.192038	12.87139	5976.00	19.70
345	4/27/2008 17:09	1379.899	7.188984	12.86895	5976.00	19.70
346	4/27/2008 18:09	1379.828	7.186048	12.8665	5976.00	19.70
347	4/27/2008 19:09	1379.914	7.189583	12.86895	5976.00	19.70
348	4/27/2008 20:09	1379.752	7.183152	12.87139	5975.99	19.71
349	4/27/2008 21:09	1379.447	7.170979	12.87383	5975.98	19.72
350	4/27/2008 22:09	1379.347	7.166882	12.87139	5975.98	19.72
351	4/27/2008 23:09	1379.798	7.185082	12.87383	5976.00	19.70
352	4/28/2008 0:09	1379.451	7.170964	12.86846	5975.98	19.72
353	4/28/2008 1:09	1379.328	7.166181	12.87334	5975.98	19.72
354	4/28/2008 2:09	1379.274	7.164013	12.87334	5975.97	19.73
355	4/28/2008 3:09	1379.158	7.159349	12.87334	5975.97	19.73
356	4/28/2008 4:09	1379.012	7.153564	12.87578	5975.96	19.74
357	4/28/2008 5:09	1378.917	7.14967	12.87334	5975.96	19.74
358	4/28/2008 6:09	1378.894	7.148668	12.8709	5975.96	19.74
359	4/28/2008 7:09	1378.651	7.138907	12.8709	5975.95	19.75
360	4/28/2008 8:09	1378.59	7.136456	12.8709	5975.95	19.75
361	4/28/2008 9:09	1378.438	7.13021	12.8665	5975.94	19.76
362	4/28/2008 10:09	1378.392	7.128443	12.86895	5975.94	19.76

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
363	4/28/2008 11:09	1378.331	7.125837	12.86406	5975.94	19.76
364	4/28/2008 12:09	1378.404	7.128767	12.86406	5975.94	19.76
365	4/28/2008 13:09	1378.388	7.12804	12.86162	5975.94	19.76
366	4/28/2008 14:09	1378.272	7.123225	12.85674	5975.93	19.77
367	4/28/2008 15:09	1378.379	7.127522	12.85674	5975.94	19.76
368	4/28/2008 16:09	1378.405	7.128646	12.85918	5975.94	19.76
369	4/28/2008 17:09	1378.326	7.125315	12.8543	5975.94	19.76
370	4/28/2008 18:09	1378.288	7.123947	12.85918	5975.93	19.77
371	4/28/2008 19:09	1378.284	7.12371	12.85674	5975.93	19.77
372	4/28/2008 20:09	1378.147	7.118207	12.85674	5975.93	19.77
373	4/28/2008 21:09	1378.035	7.113714	12.85674	5975.92	19.78
374	4/28/2008 22:09	1377.982	7.111588	12.85674	5975.92	19.78
375	4/28/2008 23:09	1377.933	7.10961	12.8565	5975.92	19.78
376	4/29/2008 0:09	1377.885	7.107692	12.85674	5975.92	19.78
377	4/29/2008 1:09	1377.853	7.106489	12.85918	5975.92	19.78
378	4/29/2008 2:09	1377.821	7.105125	12.85674	5975.92	19.78
379	4/29/2008 3:09	1377.714	7.100821	12.8565	5975.91	19.79
380	4/29/2008 4:09	1377.699	7.100219	12.8565	5975.91	19.79
381	4/29/2008 5:09	1377.532	7.093438	12.85405	5975.90	19.80
382	4/29/2008 6:09	1377.494	7.091843	12.85186	5975.90	19.80
383	4/29/2008 7:09	1377.321	7.085064	12.85674	5975.90	19.80
384	4/29/2008 8:09	1377.247	7.082004	12.85405	5975.89	19.81
385	4/29/2008 9:09	1377.251	7.082093	12.85186	5975.89	19.81
386	4/29/2008 10:09	1377.226	7.081089	12.85186	5975.89	19.81
387	4/29/2008 11:09	1377.242	7.081731	12.85186	5975.89	19.81
388	4/29/2008 12:09	1377.327	7.085063	12.84941	5975.90	19.80
389	4/29/2008 13:09	1377.43	7.089117	12.84697	5975.90	19.80
390	4/29/2008 14:09	1377.405	7.088112	12.84697	5975.90	19.80
391	4/29/2008 15:09	1377.621	7.096776	12.84697	5975.91	19.79
392	4/29/2008 16:09	1377.767	7.102554	12.84453	5975.91	19.79
393	4/29/2008 17:09	1377.887	7.10729	12.84209	5975.92	19.78
394	4/29/2008 18:09	1377.999	7.111803	12.84258	5975.92	19.78
395	4/29/2008 19:09	1378.113	7.116364	12.84209	5975.93	19.77
396	4/29/2008 20:09	1378.098	7.115761	12.84209	5975.93	19.77
397	4/29/2008 21:09	1377.929	7.108975	12.84209	5975.92	19.78
398	4/29/2008 22:09	1377.745	7.101673	12.84453	5975.91	19.79
399	4/29/2008 23:09	1377.659	7.098224	12.84453	5975.91	19.79
400	4/30/2008 0:09	1377.593	7.095735	12.84941	5975.91	19.79
401	4/30/2008 1:09	1377.589	7.095573	12.84941	5975.91	19.79
402	4/30/2008 2:09	1377.545	7.09373	12.84697	5975.90	19.80
403	4/30/2008 3:09	1377.485	7.090991	12.83696	5975.90	19.80
404	4/30/2008 4:09	1377.323	7.084742	12.84453	5975.89	19.81
405	4/30/2008 5:09	1377.242	7.08149	12.84453	5975.89	19.81
406	4/30/2008 6:09	1377.187	7.078958	12.83452	5975.89	19.81
407	4/30/2008 7:09	1377.003	7.071748	12.83965	5975.88	19.82

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
408	4/30/2008 8:09	1377.022	7.072427	12.83721	5975.88	19.82
409	4/30/2008 9:09	1377.135	7.076808	12.83257	5975.89	19.81
410	4/30/2008 10:09	1377.117	7.076156	12.83477	5975.89	19.81
411	4/30/2008 11:09	1377.094	7.075235	12.83477	5975.89	19.81
412	4/30/2008 12:09	1377.196	7.079425	12.8377	5975.89	19.81
413	4/30/2008 13:09	1377.384	7.086885	12.83525	5975.90	19.80
414	4/30/2008 14:09	1377.544	7.093221	12.83281	5975.90	19.80
415	4/30/2008 15:09	1377.739	7.100967	12.83037	5975.91	19.79
416	4/30/2008 16:09	1378.084	7.114716	12.82744	5975.92	19.78
417	4/30/2008 17:09	1378.25	7.121549	12.83257	5975.93	19.77
418	4/30/2008 18:09	1378.25	7.12146	12.82988	5975.93	19.77
419	4/30/2008 19:09	1378.073	7.114355	12.82988	5975.92	19.78
420	4/30/2008 20:09	1378.02	7.112317	12.83257	5975.92	19.78
421	4/30/2008 21:09	1377.581	7.094613	12.82988	5975.90	19.80
422	4/30/2008 22:09	1377.185	7.078815	12.83257	5975.89	19.81
423	4/30/2008 23:09	1376.823	7.064295	12.83257	5975.87	19.83
424	5/1/2008 0:09	1376.603	7.055475	12.83257	5975.87	19.83
425	5/1/2008 1:09	1376.552	7.053341	12.82988	5975.86	19.84
426	5/1/2008 2:09	1376.464	7.049901	12.83257	5975.86	19.84
427	5/1/2008 3:09	1376.565	7.053948	12.83257	5975.86	19.84
428	5/1/2008 4:09	1376.428	7.048441	12.83208	5975.86	19.84
429	5/1/2008 5:09	1376.334	7.044593	12.82964	5975.85	19.85
430	5/1/2008 6:09	1376.078	7.034334	12.82964	5975.84	19.86
431	5/1/2008 7:09	1375.999	7.031168	12.82964	5975.84	19.86
432	5/1/2008 8:09	1375.856	7.025195	12.82232	5975.84	19.86
433	5/1/2008 9:09	1375.705	7.019385	12.82964	5975.83	19.87
434	5/1/2008 10:09	1375.728	7.020229	12.8272	5975.83	19.87
435	5/1/2008 11:09	1375.762	7.021589	12.8272	5975.83	19.87
436	5/1/2008 12:09	1375.976	7.030164	12.8272	5975.84	19.86
437	5/1/2008 13:09	1376.285	7.042551	12.8272	5975.85	19.85
438	5/1/2008 14:09	1376.586	7.054698	12.82964	5975.86	19.84
439	5/1/2008 15:09	1376.955	7.06941	12.8272	5975.88	19.82
440	5/1/2008 16:09	1377.367	7.085943	12.82744	5975.90	19.80
441	5/1/2008 17:09	1377.779	7.10247	12.8272	5975.91	19.79
442	5/1/2008 18:09	1378.145	7.117158	12.8272	5975.93	19.77
443	5/1/2008 19:09	1378.527	7.132492	12.8272	5975.94	19.76
444	5/1/2008 20:09	1378.97	7.150122	12.82232	5975.96	19.74
445	5/1/2008 21:09	1379.257	7.16181	12.8272	5975.97	19.73
446	5/1/2008 22:09	1379.642	7.17712	12.82232	5975.99	19.71
447	5/1/2008 23:09	1380.011	7.192032	12.82476	5976.00	19.70
448	5/2/2008 0:09	1380.219	7.200394	12.82476	5976.01	19.69
449	5/2/2008 1:09	1380.348	7.205582	12.82476	5976.02	19.68
450	5/2/2008 2:09	1380.434	7.209037	12.82476	5976.02	19.68
451	5/2/2008 3:09	1380.495	7.211492	12.82476	5976.02	19.68
452	5/2/2008 4:09	1380.308	7.203972	12.82476	5976.01	19.69

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
453	5/2/2008 5:09	1380.299	7.203609	12.82476	5976.01	19.69
454	5/2/2008 6:09	1380.011	7.192032	12.82476	5976.00	19.70
455	5/2/2008 7:09	1379.811	7.183915	12.82232	5975.99	19.71
456	5/2/2008 8:09	1379.579	7.174669	12.82476	5975.98	19.72
457	5/2/2008 9:09	1379.476	7.170369	12.81987	5975.98	19.72
458	5/2/2008 10:09	1379.031	7.152341	12.81524	5975.96	19.74
459	5/2/2008 11:09	1378.861	7.145519	12.81548	5975.96	19.74
460	5/2/2008 12:09	1378.474	7.130044	12.81743	5975.94	19.76
461	5/2/2008 13:09	1378.117	7.115638	12.81524	5975.93	19.77
462	5/2/2008 14:09	1377.877	7.106014	12.81548	5975.92	19.78
463	5/2/2008 15:09	1377.597	7.094782	12.81548	5975.90	19.80
464	5/2/2008 16:09	1377.38	7.085994	12.81304	5975.90	19.80
465	5/2/2008 17:09	1377.01	7.071137	12.81255	5975.88	19.82
466	5/2/2008 18:09	1376.823	7.063573	12.8106	5975.87	19.83
467	5/2/2008 19:09	1376.576	7.053752	12.81304	5975.86	19.84
468	5/2/2008 20:09	1376.311	7.04296	12.80791	5975.85	19.85
469	5/2/2008 21:09	1376.078	7.0337	12.81035	5975.84	19.86
470	5/2/2008 22:09	1375.904	7.026801	12.81255	5975.84	19.86
471	5/2/2008 23:09	1375.87	7.025525	12.81524	5975.84	19.86
472	5/3/2008 0:09	1375.813	7.023313	12.81743	5975.83	19.87
473	5/3/2008 1:09	1375.724	7.019675	12.81524	5975.83	19.87
474	5/3/2008 2:09	1375.688	7.018144	12.81255	5975.83	19.87
475	5/3/2008 3:09	1375.542	7.012207	12.80986	5975.82	19.88
476	5/3/2008 4:09	1375.454	7.008698	12.81035	5975.82	19.88
477	5/3/2008 5:09	1375.48	7.009971	12.81743	5975.82	19.88
478	5/3/2008 6:09	1375.351	7.004642	12.81255	5975.81	19.89
479	5/3/2008 7:09	1375.242	7.000277	12.81255	5975.81	19.89
480	5/3/2008 8:09	1375.145	6.996395	12.81255	5975.81	19.89
481	5/3/2008 9:09	1375.24	7.000126	12.81035	5975.81	19.89
482	5/3/2008 10:09	1375.404	7.006617	12.80791	5975.82	19.88
483	5/3/2008 11:09	1375.62	7.015195	12.80571	5975.83	19.87
484	5/3/2008 12:09	1375.824	7.023288	12.80327	5975.83	19.87
485	5/3/2008 13:09	1375.98	7.029539	12.80327	5975.84	19.86
486	5/3/2008 14:09	1376.065	7.032864	12.80083	5975.84	19.86
487	5/3/2008 15:09	1376.167	7.036953	12.80083	5975.85	19.85
488	5/3/2008 16:09	1376.29	7.041805	12.79839	5975.85	19.85
489	5/3/2008 17:09	1376.311	7.042487	12.79351	5975.85	19.85
490	5/3/2008 18:09	1376.322	7.042927	12.79351	5975.85	19.85
491	5/3/2008 19:09	1376.267	7.040961	12.80083	5975.85	19.85
492	5/3/2008 20:09	1376.161	7.036714	12.80083	5975.85	19.85
493	5/3/2008 21:09	1376.006	7.030581	12.80327	5975.84	19.86
494	5/3/2008 22:09	1375.821	7.023331	12.80816	5975.83	19.87
495	5/3/2008 23:09	1375.722	7.019116	12.80059	5975.83	19.87
496	5/4/2008 0:09	1375.565	7.012902	12.80303	5975.82	19.88
497	5/4/2008 1:09	1375.416	7.006936	12.80303	5975.82	19.88

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
498	5/4/2008 2:09	1375.327	7.003211	12.79815	5975.81	19.89
499	5/4/2008 3:09	1375.211	6.998567	12.79815	5975.81	19.89
500	5/4/2008 4:09	1375.141	6.995921	12.80303	5975.81	19.89
501	5/4/2008 5:09	1375.019	6.990797	12.7957	5975.80	19.90
502	5/4/2008 6:09	1374.856	6.984427	12.80059	5975.79	19.91
503	5/4/2008 7:09	1374.678	6.977221	12.79815	5975.79	19.91
504	5/4/2008 8:09	1374.641	6.97566	12.7957	5975.79	19.91
505	5/4/2008 9:09	1374.601	6.974066	12.79595	5975.78	19.92
506	5/4/2008 10:09	1374.629	6.975029	12.79107	5975.79	19.91
507	5/4/2008 11:09	1374.601	6.973986	12.79351	5975.78	19.92
508	5/4/2008 12:09	1374.597	6.973605	12.78667	5975.78	19.92
509	5/4/2008 13:09	1374.644	6.975478	12.78643	5975.79	19.91
510	5/4/2008 14:09	1374.678	6.976837	12.78643	5975.79	19.91
511	5/4/2008 15:09	1374.737	6.979122	12.78399	5975.79	19.91
512	5/4/2008 16:09	1374.769	6.980482	12.78643	5975.79	19.91
513	5/4/2008 17:09	1374.765	6.980393	12.78862	5975.79	19.91
514	5/4/2008 18:09	1374.729	6.978879	12.78643	5975.79	19.91
515	5/4/2008 19:09	1374.691	6.977191	12.7813	5975.79	19.91
516	5/4/2008 20:09	1374.618	6.974268	12.7813	5975.78	19.92
517	5/4/2008 21:09	1374.461	6.967985	12.7813	5975.78	19.92
518	5/4/2008 22:09	1374.399	6.965743	12.78862	5975.78	19.92
519	5/4/2008 23:09	1374.429	6.966868	12.78643	5975.78	19.92
520	5/5/2008 0:09	1374.325	6.962706	12.78643	5975.77	19.93
521	5/5/2008 1:09	1374.225	6.958704	12.78643	5975.77	19.93
522	5/5/2008 2:09	1374.312	6.96226	12.78862	5975.77	19.93
523	5/5/2008 3:09	1374.3	6.961773	12.78838	5975.77	19.93
524	5/5/2008 4:09	1374.229	6.958689	12.78106	5975.77	19.93
525	5/5/2008 5:09	1374.083	6.953007	12.78594	5975.76	19.94
526	5/5/2008 6:09	1374.029	6.950768	12.7835	5975.76	19.94
527	5/5/2008 7:09	1373.957	6.947886	12.7835	5975.76	19.94
528	5/5/2008 8:09	1373.842	6.943302	12.78399	5975.75	19.95
529	5/5/2008 9:09	1373.851	6.943658	12.78399	5975.75	19.95
530	5/5/2008 10:09	1373.828	6.942652	12.7813	5975.75	19.95
531	5/5/2008 11:09	1373.849	6.943259	12.77422	5975.75	19.95
532	5/5/2008 12:09	1374.042	6.950981	12.77422	5975.76	19.94
533	5/5/2008 13:09	1374.085	6.952781	12.77666	5975.76	19.94
534	5/5/2008 14:09	1374.18	6.956586	12.77666	5975.77	19.93
535	5/5/2008 15:09	1374.37	6.964115	12.77446	5975.77	19.93
536	5/5/2008 16:09	1374.635	6.974475	12.7669	5975.78	19.92
537	5/5/2008 17:09	1374.767	6.979926	12.77202	5975.79	19.91
538	5/5/2008 18:09	1374.913	6.985763	12.77178	5975.80	19.90
539	5/5/2008 19:09	1375.009	6.98961	12.77178	5975.80	19.90
540	5/5/2008 20:09	1374.986	6.988686	12.77178	5975.80	19.90
541	5/5/2008 21:09	1374.886	6.984763	12.77422	5975.79	19.91
542	5/5/2008 22:09	1374.873	6.984245	12.77422	5975.79	19.91

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
543	5/5/2008 23:09	1374.899	6.985366	12.77666	5975.80	19.90
544	5/6/2008 0:09	1374.773	6.980318	12.77666	5975.79	19.91
545	5/6/2008 1:09	1374.71	6.977716	12.77422	5975.79	19.91
546	5/6/2008 2:09	1374.671	6.976309	12.77886	5975.79	19.91
547	5/6/2008 3:09	1374.554	6.97147	12.77422	5975.78	19.92
548	5/6/2008 4:09	1374.242	6.958982	12.77422	5975.77	19.93
549	5/6/2008 5:09	1374.108	6.953624	12.77422	5975.76	19.94
550	5/6/2008 6:09	1373.979	6.948541	12.77666	5975.76	19.94
551	5/6/2008 7:09	1373.978	6.948421	12.77422	5975.76	19.94
552	5/6/2008 8:09	1373.845	6.943018	12.77178	5975.75	19.95
553	5/6/2008 9:09	1373.847	6.942941	12.7669	5975.75	19.95
554	5/6/2008 10:09	1374.01	6.94938	12.76445	5975.76	19.94
555	5/6/2008 11:09	1374.189	6.95663	12.76714	5975.77	19.93
556	5/6/2008 12:09	1374.3	6.960987	12.76445	5975.77	19.93
557	5/6/2008 13:09	1374.451	6.96687	12.75957	5975.78	19.92
558	5/6/2008 14:09	1374.474	6.967949	12.76445	5975.78	19.92
559	5/6/2008 15:09	1374.608	6.97317	12.76006	5975.78	19.92
560	5/6/2008 16:09	1374.797	6.980799	12.76201	5975.79	19.91
561	5/6/2008 17:09	1374.835	6.982239	12.75957	5975.79	19.91
562	5/6/2008 18:09	1374.877	6.98392	12.75957	5975.79	19.91
563	5/6/2008 19:09	1374.667	6.975595	12.76201	5975.79	19.91
564	5/6/2008 20:09	1374.429	6.966146	12.76445	5975.78	19.92
565	5/6/2008 21:09	1374.193	6.956783	12.7669	5975.77	19.93
566	5/6/2008 22:09	1374.091	6.952458	12.75957	5975.76	19.94
567	5/6/2008 23:09	1374.015	6.949661	12.7669	5975.76	19.94
568	5/7/2008 0:09	1373.968	6.947861	12.76934	5975.76	19.94
569	5/7/2008 1:09	1374.089	6.952621	12.7669	5975.76	19.94
570	5/7/2008 2:09	1373.942	6.946741	12.7669	5975.76	19.94
571	5/7/2008 3:09	1373.691	6.936619	12.76445	5975.75	19.95
572	5/7/2008 4:09	1373.342	6.922572	12.76177	5975.73	19.97
573	5/7/2008 5:09	1373.406	6.925299	12.7669	5975.74	19.96
574	5/7/2008 6:09	1373.308	6.921539	12.77178	5975.73	19.97
575	5/7/2008 7:09	1373.236	6.918579	12.76934	5975.73	19.97
576	5/7/2008 8:09	1373.176	6.916013	12.76421	5975.73	19.97
577	5/7/2008 9:09	1373.155	6.915102	12.76201	5975.73	19.97
578	5/7/2008 10:09	1373.095	6.91254	12.75713	5975.72	19.98
579	5/7/2008 11:09	1373.104	6.912901	12.75713	5975.72	19.98
580	5/7/2008 12:09	1373.187	6.91622	12.75713	5975.73	19.97
581	5/7/2008 13:09	1373.26	6.919139	12.75713	5975.73	19.97
582	5/7/2008 14:09	1373.264	6.919381	12.75957	5975.73	19.97
583	5/7/2008 15:09	1373.345	6.922537	12.75713	5975.73	19.97
584	5/7/2008 16:09	1373.683	6.936064	12.75737	5975.75	19.95
585	5/7/2008 17:09	1373.779	6.939819	12.75469	5975.75	19.95
586	5/7/2008 18:09	1373.806	6.940899	12.75469	5975.75	19.95
587	5/7/2008 19:09	1373.893	6.944296	12.75225	5975.75	19.95

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
588	5/7/2008 20:09	1373.819	6.941496	12.75713	5975.75	19.95
589	5/7/2008 21:09	1373.734	6.937937	12.75225	5975.75	19.95
590	5/7/2008 22:09	1373.583	6.931977	12.75469	5975.74	19.96
591	5/7/2008 23:09	1373.266	6.919218	12.75225	5975.73	19.97
592	5/8/2008 0:09	1373.213	6.91718	12.75469	5975.73	19.97
593	5/8/2008 1:09	1373.149	6.914622	12.75469	5975.72	19.98
594	5/8/2008 2:09	1373.119	6.913501	12.75713	5975.72	19.98
595	5/8/2008 3:09	1372.981	6.908142	12.76201	5975.72	19.98
596	5/8/2008 4:09	1372.989	6.908303	12.75713	5975.72	19.98
597	5/8/2008 5:09	1372.961	6.907186	12.75713	5975.72	19.98
598	5/8/2008 6:09	1372.927	6.905736	12.75444	5975.72	19.98
599	5/8/2008 7:09	1372.878	6.903699	12.752	5975.71	19.99
600	5/8/2008 8:09	1372.838	6.902106	12.75225	5975.71	19.99
601	5/8/2008 9:09	1372.817	6.901187	12.74981	5975.71	19.99
602	5/8/2008 10:09	1372.753	6.89863	12.74981	5975.71	19.99
603	5/8/2008 11:09	1372.727	6.897671	12.75225	5975.71	19.99
604	5/8/2008 12:09	1372.833	6.901665	12.74492	5975.71	19.99
605	5/8/2008 13:09	1372.846	6.902183	12.74492	5975.71	19.99
606	5/8/2008 14:09	1372.97	6.907229	12.74761	5975.72	19.98
607	5/8/2008 15:09	1372.759	6.898628	12.74248	5975.71	19.99
608	5/8/2008 16:09	1372.844	6.902024	12.74248	5975.71	19.99
609	5/8/2008 17:09	1372.742	6.897945	12.74248	5975.71	19.99
610	5/8/2008 18:09	1372.665	6.895047	12.74785	5975.71	19.99
611	5/8/2008 19:09	1372.625	6.893439	12.74761	5975.70	20.00
612	5/8/2008 20:09	1372.459	6.886876	12.74981	5975.70	20.00
613	5/8/2008 21:09	1372.258	6.878847	12.74981	5975.69	20.01
614	5/8/2008 22:09	1372.252	6.878442	12.74492	5975.69	20.01
615	5/8/2008 23:09	1372.281	6.879692	12.74761	5975.69	20.01
616	5/9/2008 0:09	1372.211	6.876897	12.74761	5975.69	20.01
617	5/9/2008 1:09	1372.251	6.878492	12.74761	5975.69	20.01
618	5/9/2008 2:09	1372.256	6.878764	12.74981	5975.69	20.01
619	5/9/2008 3:09	1372.171	6.875281	12.74712	5975.69	20.01
620	5/9/2008 4:09	1372.139	6.874083	12.74956	5975.68	20.02
621	5/9/2008 5:09	1372.049	6.870484	12.74956	5975.68	20.02
622	5/9/2008 6:09	1372.043	6.870084	12.74468	5975.68	20.02
623	5/9/2008 7:09	1371.94	6.865969	12.74468	5975.68	20.02
624	5/9/2008 8:09	1371.994	6.868298	12.74981	5975.68	20.02
625	5/9/2008 9:09	1371.94	6.865976	12.74492	5975.68	20.02
626	5/9/2008 10:09	1372.04	6.869743	12.73784	5975.68	20.02
627	5/9/2008 11:09	1372.115	6.872649	12.73516	5975.68	20.02
628	5/9/2008 12:09	1372.282	6.879322	12.73516	5975.69	20.01
629	5/9/2008 13:09	1372.503	6.888004	12.73052	5975.70	20.00
630	5/9/2008 14:09	1372.697	6.895997	12.73784	5975.71	19.99
631	5/9/2008 15:09	1372.889	6.90352	12.7332	5975.71	19.99
632	5/9/2008 16:09	1372.974	6.906981	12.73516	5975.72	19.98

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
633	5/9/2008 17:09	1372.949	6.905997	12.73565	5975.72	19.98
634	5/9/2008 18:09	1373.004	6.908182	12.73516	5975.72	19.98
635	5/9/2008 19:09	1373.087	6.911428	12.73296	5975.72	19.98
636	5/9/2008 20:09	1372.878	6.903145	12.73516	5975.71	19.99
637	5/9/2008 21:09	1372.695	6.895753	12.73296	5975.71	19.99
638	5/9/2008 22:09	1372.247	6.877922	12.73516	5975.69	20.01
639	5/9/2008 23:09	1372.241	6.877843	12.74004	5975.69	20.01
640	5/10/2008 0:09	1372.019	6.868816	12.73516	5975.68	20.02
641	5/10/2008 1:09	1371.944	6.865905	12.73784	5975.68	20.02
642	5/10/2008 2:09	1372.224	6.877005	12.73516	5975.69	20.01
643	5/10/2008 3:09	1372.2	6.876044	12.73516	5975.69	20.01
644	5/10/2008 4:09	1372.386	6.88347	12.73491	5975.69	20.01
645	5/10/2008 5:09	1372.62	6.892918	12.73784	5975.70	20.00
646	5/10/2008 6:09	1372.874	6.902912	12.73296	5975.71	19.99
647	5/10/2008 7:09	1373.102	6.912013	12.73247	5975.72	19.98
648	5/10/2008 8:09	1373.225	6.916928	12.73247	5975.73	19.97
649	5/10/2008 9:09	1373.715	6.936702	12.73784	5975.75	19.95
650	5/10/2008 10:09	1373.998	6.947867	12.73296	5975.76	19.94
651	5/10/2008 11:09	1373.938	6.945384	12.73052	5975.76	19.94
652	5/10/2008 12:09	1374.062	6.950346	12.73052	5975.76	19.94
653	5/10/2008 13:09	1374.111	6.952305	12.73052	5975.76	19.94
654	5/10/2008 14:09	1374.331	6.961033	12.72808	5975.77	19.93
655	5/10/2008 15:09	1374.519	6.968557	12.72808	5975.78	19.92
656	5/10/2008 16:09	1374.665	6.974562	12.73296	5975.78	19.92
657	5/10/2008 17:09	1374.743	6.977604	12.73052	5975.79	19.91
658	5/10/2008 18:09	1374.871	6.982646	12.72808	5975.79	19.91
659	5/10/2008 19:09	1374.962	6.986212	12.72564	5975.80	19.90
660	5/10/2008 20:09	1374.979	6.986891	12.72564	5975.80	19.90
661	5/10/2008 21:09	1374.856	6.982045	12.72808	5975.79	19.91
662	5/10/2008 22:09	1374.731	6.97712	12.73052	5975.79	19.91
663	5/10/2008 23:09	1374.624	6.972743	12.72759	5975.78	19.92
664	5/11/2008 0:09	1374.559	6.970139	12.72759	5975.78	19.92
665	5/11/2008 1:09	1374.503	6.967748	12.72295	5975.78	19.92
666	5/11/2008 2:09	1374.451	6.965916	12.73052	5975.78	19.92
667	5/11/2008 3:09	1374.357	6.962145	12.73027	5975.77	19.93
668	5/11/2008 4:09	1374.18	6.954974	12.72759	5975.76	19.94
669	5/11/2008 5:09	1374.023	6.948687	12.72759	5975.76	19.94
670	5/11/2008 6:09	1373.883	6.94309	12.72759	5975.75	19.95
671	5/11/2008 7:09	1373.602	6.931849	12.72759	5975.74	19.96
672	5/11/2008 8:09	1373.368	6.922489	12.72759	5975.73	19.97
673	5/11/2008 9:09	1373.323	6.920623	12.72564	5975.73	19.97
674	5/11/2008 10:09	1373.589	6.931181	12.72319	5975.74	19.96
675	5/11/2008 11:09	1373.653	6.93374	12.72319	5975.74	19.96
676	5/11/2008 12:09	1373.817	6.940311	12.72344	5975.75	19.95
677	5/11/2008 13:09	1373.983	6.946865	12.72075	5975.76	19.94

Well No. 82708
Water Level Readings

G.S. Elev.	5995.7
Depth of Piezometer (ft)	26.89
Elev. Of Piezometer	5968.81

Reading No.	Date/Time of Reading	Instrument Reading (Hz)	Head (ft.)	Temp (deg C)	Water Elevation (Ft amsl)	Water Depth (Ft)
678	5/11/2008 14:09	1374.181	6.954708	12.71831	5975.76	19.94
679	5/11/2008 15:09	1374.37	6.962278	12.71856	5975.77	19.93
680	5/11/2008 16:09	1374.567	6.970084	12.71611	5975.78	19.92
681	5/11/2008 17:09	1374.716	6.976046	12.71611	5975.79	19.91
682	5/11/2008 18:09	1374.837	6.980974	12.71856	5975.79	19.91
683	5/11/2008 19:09	1374.92	6.98421	12.71587	5975.79	19.91
684	5/11/2008 20:09	1374.964	6.985889	12.71343	5975.80	19.90
685	5/11/2008 21:09	1374.983	6.986812	12.71831	5975.80	19.90
686	5/11/2008 22:09	1374.981	6.986809	12.72075	5975.80	19.90
687	5/11/2008 23:09	1374.941	6.98513	12.71831	5975.80	19.90
688	5/12/2008 0:09	1374.939	6.984967	12.71587	5975.79	19.91
689	5/12/2008 1:09	1374.905	6.983688	12.71831	5975.79	19.91
690	5/12/2008 2:09	1374.896	6.983407	12.72075	5975.79	19.91
691	5/12/2008 3:09	1374.792	6.979323	12.72319	5975.79	19.91
692	5/12/2008 4:09	1374.639	6.9732	12.72319	5975.78	19.92
693	5/12/2008 5:09	1374.44	6.96499	12.71587	5975.77	19.93
694	5/12/2008 6:09	1374.3	6.959471	12.71831	5975.77	19.93
695	5/12/2008 7:09	1374.064	6.949943	12.71587	5975.76	19.94
696	5/12/2008 8:09	1373.959	6.945743	12.71587	5975.76	19.94
697	5/12/2008 9:09	1373.87	6.942102	12.71343	5975.75	19.95
698	5/12/2008 10:09	1373.942	6.944903	12.71099	5975.75	19.95
699	5/12/2008 11:09	1373.981	6.94663	12.71611	5975.76	19.94
700	5/12/2008 12:09	1374.098	6.951313	12.71611	5975.76	19.94
701	5/12/2008 13:09	1374.212	6.955708	12.71099	5975.77	19.93
702	5/12/2008 14:09	1374.546	6.969172	12.71392	5975.78	19.92
	5/12 AVG				5975.77	19.93

Rocky Flats Site
Original Landfill - Consolidation Monitors
Base Survey: September 28, 2007

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
21251	747857.19	2081123.497	6036.144	OLF-CM1
21252	747830.4675	2081056.426	6036.392	OLF-CM2
21253	747763.9887	2081032.15	6025.455	OLF-CM3
21254	747779.9848	2081076.937	6024.85	OLF-CM4
21255	747804.085	2081131.041	6025.126	OLF-CM5
21256	747825.2768	2081194.413	6026.447	OLF-CM6
21257	747862.8616	2081264.694	6028.785	OLF-CM7
21258	747800.3589	2081270.16	6016.829	OLF-CM8
21259	747768.1887	2081187.071	6016.685	OLF-CM9
21260	747710.0049	2081072.376	6012.012	OLF-CM10
21261	747715.2926	2081144.453	6009.485	OLF-CM11
21262	747756.8904	2081253.373	6011.385	OLF-CM12
21263	747699.6354	2081301.888	5999.071	OLF-CM13
21264	747674.0276	2081226.663	5998.907	OLF-CM14
21265	747645.1486	2081165.037	5997.756	OLF-CM15
21266	747601.1443	2081239.548	5988.333	OLF-CM15
21267	747636.6057	2081300.518	5987.844	OLF-CM17
21268	747594.8999	2081278.507	5982.845	OLF-CM18
21269	747564.1633	2081246.259	5982.261	OLF-CM19
21270	747554.9896	2081287.951	5976.633	OLF-CM20

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29
GRID TO GROUND SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 1.0002839489
GROUND TO GRID SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 0.9997161317

Rocky Flats Site
Original Landfill - Consolidation Monitors
Monthly Survey November 03, 2007 Comparison to Base Survey September 28, 2007

11-03-07 OBSERVATIONS					DELTA	DELTA	DELTA	09-28-07 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
121251	747857.167	2081123.613	6036.297	OLF-CM1	0.02	-0.12	-0.15	21251	747857.1900	2081123.4970	6036.14	OLF-CM1
121252	747830.4905	2081056.398	6036.396	OLF-CM2	-0.02	0.03	0.00	21252	747830.4675	2081056.4260	6036.39	OLF-CM2
121253	747763.9557	2081032.216	6025.457	OLF-CM3	0.03	-0.07	0.00	21253	747763.9887	2081032.1500	6025.46	OLF-CM3
121254	747779.9908	2081076.903	6024.915	OLF-CM4	-0.01	0.03	-0.06	21254	747779.9848	2081076.9370	6024.85	OLF-CM4
121255	747804.049	2081131.032	6024.993	OLF-CM5	0.04	0.01	0.13	21255	747804.0850	2081131.0410	6025.13	OLF-CM5
121256	747825.2598	2081194.426	6026.422	OLF-CM6	0.02	-0.01	0.03	21256	747825.2768	2081194.4130	6026.45	OLF-CM6
121257	747862.8966	2081264.701	6028.792	OLF-CM7	-0.04	-0.01	-0.01	21257	747862.8616	2081264.6940	6028.79	OLF-CM7
121258	747800.4188	2081270.223	6016.891	OLF-CM8	-0.06	-0.06	-0.06	21258	747800.3589	2081270.1600	6016.83	OLF-CM8
121259	747768.2437	2081187.176	6016.837	OLF-CM9	-0.05	-0.11	-0.15	21259	747768.1887	2081187.0710	6016.69	OLF-CM9
121260	747709.9779	2081072.336	6011.965	OLF-CM10	0.03	0.04	0.05	21260	747710.0049	2081072.3760	6012.01	OLF-CM10
121261	747715.3206	2081144.422	6009.594	OLF-CM11	-0.03	0.03	-0.11	21261	747715.2926	2081144.4530	6009.49	OLF-CM11
121262	747756.9034	2081253.354	6011.568	OLF-CM12	-0.01	0.02	-0.18	21262	747756.8904	2081253.3730	6011.39	OLF-CM12
121263	747699.5684	2081301.863	5999.31	OLF-CM13	0.07	0.02	-0.24	21263	747699.6354	2081301.8880	5999.07	OLF-CM13
121264	747674.0656	2081226.648	5998.97	OLF-CM14	-0.04	0.02	-0.06	21264	747674.0276	2081226.6630	5998.91	OLF-CM14
121265	747645.2726	2081165.014	5997.842	OLF-CM15	-0.12	0.02	-0.09	21265	747645.1486	2081165.0370	5997.76	OLF-CM15
121266	747601.1044	2081239.549	5988.452	OLF-CM16	0.04	0.00	-0.12	21266	747601.1443	2081239.5480	5988.33	OLF-CM15
121267	747636.6217	2081300.543	5988.019	OLF-CM17	-0.02	-0.02	-0.18	21267	747636.6057	2081300.5180	5987.84	OLF-CM17
121268	747594.8969	2081278.535	5982.787	OLF-CM18	0.00	-0.03	0.06	21268	747594.8999	2081278.5070	5982.85	OLF-CM18
121269	747564.0594	2081246.235	5982.25	OLF-CM19	0.10	0.02	0.01	21269	747564.1633	2081246.2590	5982.26	OLF-CM19
121270	747554.9816	2081287.913	5976.592	OLF-CM20	0.01	0.04	0.04	21270	747554.9896	2081287.9510	5976.63	OLF-CM20

DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 09-28-07 OBSERVATION AND THE 11-03-07 OBSERVATION

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29
GRID TO GROUND SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 1.0002839489
GROUND TO GRID SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 0.9997161317

Rocky Flats Site
Original Landfill - Consolidation Monitors
Monthly Survey December 03, 2007 Comparison to Base Survey September 28, 2007

12-03-07 OBSERVATIONS					DELTA	DELTA	DELTA	09-28-07 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
45092	747857.18	2081123.618	6036.295	OLF-CM1	0.01	-0.12	-0.15	21251	747857.1900	2081123.4970	6036.14	OLF-CM1
45093	747830.4545	2081056.416	6036.493	OLF-CM2	0.01	0.01	-0.10	21252	747830.4675	2081056.4260	6036.39	OLF-CM2
45094	747763.9557	2081032.202	6025.522	OLF-CM3	0.03	-0.05	-0.07	21253	747763.9887	2081032.1500	6025.46	OLF-CM3
45095	747779.9398	2081076.932	6024.988	OLF-CM4	0.04	0.00	-0.14	21254	747779.9848	2081076.9370	6024.85	OLF-CM4
45096	747804.037	2081131.059	6025.041	OLF-CM5	0.05	-0.02	0.09	21255	747804.0850	2081131.0410	6025.13	OLF-CM5
45097	747825.2968	2081194.426	6026.478	OLF-CM6	-0.02	-0.01	-0.03	21256	747825.2768	2081194.4130	6026.45	OLF-CM6
45098	747862.8377	2081264.705	6028.893	OLF-CM7	0.02	-0.01	-0.11	21257	747862.8616	2081264.6940	6028.79	OLF-CM7
45099	747800.4248	2081270.235	6017.032	OLF-CM8	-0.07	-0.08	-0.20	21258	747800.3589	2081270.1600	6016.83	OLF-CM8
45100	747768.2517	2081187.186	6016.893	OLF-CM9	-0.06	-0.11	-0.21	21259	747768.1887	2081187.0710	6016.69	OLF-CM9
45101	747709.9779	2081072.308	6011.935	OLF-CM10	0.03	0.07	0.08	21260	747710.0049	2081072.3760	6012.01	OLF-CM10
45102	747715.3615	2081144.468	6009.621	OLF-CM11	-0.07	-0.02	-0.14	21261	747715.2926	2081144.4530	6009.49	OLF-CM11
45103	747756.8724	2081253.375	6011.48	OLF-CM12	0.02	0.00	-0.09	21262	747756.8904	2081253.3730	6011.39	OLF-CM12
45104	747699.6714	2081301.826	5999.181	OLF-CM13	-0.04	0.06	-0.11	21263	747699.6354	2081301.8880	5999.07	OLF-CM13
45105	747674.0306	2081226.63	5998.997	OLF-CM14	0.00	0.03	-0.09	21264	747674.0276	2081226.6630	5998.91	OLF-CM14
45106	747645.2476	2081165.04	5997.84	OLF-CM15	-0.10	0.00	-0.08	21265	747645.1486	2081165.0370	5997.76	OLF-CM15
45107	747601.0604	2081239.636	5988.407	OLF-CM16	0.08	-0.09	-0.07	21266	747601.1443	2081239.5480	5988.33	OLF-CM15
45108	747636.6027	2081300.514	5988.013	OLF-CM17	0.00	0.00	-0.17	21267	747636.6057	2081300.5180	5987.84	OLF-CM17
45109	747594.9379	2081278.476	5982.87	OLF-CM18	-0.04	0.03	-0.02	21268	747594.8999	2081278.5070	5982.85	OLF-CM18
45110	747564.1014	2081246.266	5982.322	OLF-CM19	0.06	-0.01	-0.06	21269	747564.1633	2081246.2590	5982.26	OLF-CM19
45111	747554.9716	2081287.896	5976.654	OLF-CM20	0.02	0.05	-0.02	21270	747554.9896	2081287.9510	5976.63	OLF-CM20

DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 09-28-07 OBSERVATION AND THE 11-03-07 OBSERVATION

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29
GRID TO GROUND SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 1.0002839489
GROUND TO GRID SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 0.9997161317

Rocky Flats Site
Original Landfill - Consolidation Monitors
Monthly Survey December 03, 2007 Comparison to Monthly Survey November 03, 2007

12-03-07 OBSERVATIONS					DELTA	DELTA	DELTA	11-03-07 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
45092	747857.18	2081123.618	6036.30	OLF-CM1	0.01	0.01	0.00	121251	747857.167	2081123.613	6036.30	OLF-CM1
45093	747830.4545	2081056.416	6036.49	OLF-CM2	-0.04	0.02	0.10	121252	747830.4905	2081056.398	6036.40	OLF-CM2
45094	747763.9557	2081032.202	6025.52	OLF-CM3	0.00	-0.01	0.06	121253	747763.9557	2081032.216	6025.46	OLF-CM3
45095	747779.9398	2081076.932	6024.99	OLF-CM4	-0.05	0.03	0.07	121254	747779.9908	2081076.903	6024.92	OLF-CM4
45096	747804.037	2081131.059	6025.04	OLF-CM5	-0.01	0.03	0.05	121255	747804.049	2081131.032	6024.99	OLF-CM5
45097	747825.2968	2081194.426	6026.48	OLF-CM6	0.04	0.00	0.06	121256	747825.2598	2081194.426	6026.42	OLF-CM6
45098	747862.8377	2081264.705	6028.89	OLF-CM7	-0.06	0.00	0.10	121257	747862.8966	2081264.701	6028.79	OLF-CM7
45099	747800.4248	2081270.235	6017.03	OLF-CM8	0.01	0.01	0.14	121258	747800.4188	2081270.223	6016.89	OLF-CM8
45100	747768.2517	2081187.186	6016.89	OLF-CM9	0.01	0.01	0.06	121259	747768.2437	2081187.176	6016.84	OLF-CM9
45101	747709.9779	2081072.308	6011.94	OLF-CM10	0.00	-0.03	-0.03	121260	747709.9779	2081072.336	6011.97	OLF-CM10
45102	747715.3615	2081144.468	6009.62	OLF-CM11	0.04	0.05	0.03	121261	747715.3206	2081144.422	6009.59	OLF-CM11
45103	747756.8724	2081253.375	6011.48	OLF-CM12	-0.03	0.02	-0.09	121262	747756.9034	2081253.354	6011.57	OLF-CM12
45104	747699.6714	2081301.826	5999.18	OLF-CM13	0.10	-0.04	-0.13	121263	747699.5684	2081301.863	5999.31	OLF-CM13
45105	747674.0306	2081226.63	5999.00	OLF-CM14	-0.03	-0.02	0.03	121264	747674.0656	2081226.648	5998.97	OLF-CM14
45106	747645.2476	2081165.04	5997.84	OLF-CM15	-0.03	0.03	0.00	121265	747645.2726	2081165.014	5997.84	OLF-CM15
45107	747601.0604	2081239.636	5988.41	OLF-CM16	-0.04	0.09	-0.05	121266	747601.1044	2081239.549	5988.45	OLF-CM15
45108	747636.6027	2081300.514	5988.01	OLF-CM17	-0.02	-0.03	-0.01	121267	747636.6217	2081300.543	5988.02	OLF-CM17
45109	747594.9379	2081278.476	5982.87	OLF-CM18	0.04	-0.06	0.08	121268	747594.8969	2081278.535	5982.79	OLF-CM18
45110	747564.1014	2081246.266	5982.32	OLF-CM19	0.04	0.03	0.07	121269	747564.0594	2081246.235	5982.25	OLF-CM19
45111	747554.9716	2081287.896	5976.65	OLF-CM20	-0.01	-0.02	0.06	121270	747554.9816	2081287.913	5976.59	OLF-CM20

DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 12-03-07 OBSERVATION AND THE 11-03-07 OBSERVATION

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29
GRID TO GROUND SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 1.0002839489
GROUND TO GRID SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 0.9997161317

Rocky Flats Site
Original Landfill - Consolidation Monitors
Monthly Survey January 03, 2008 Comparison to Base Survey September 28, 2007

01-03-08 OBSERVATIONS					DELTA	DELTA	DELTA	09-28-07 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
46168	747857.203	2081123.615	6036.33	OLF-CM1	-0.01	-0.12	-0.18	21251	747857.19	2081123.497	6036.14	OLF-CM1
46169	747830.4525	2081056.428	6036.47	OLF-CM2	0.02	0.00	-0.08	21252	747830.4675	2081056.426	6036.39	OLF-CM2
46170	747763.9857	2081032.196	6025.48	OLF-CM3	0.00	-0.05	-0.03	21253	747763.9887	2081032.15	6025.46	OLF-CM3
46171	747780.0078	2081076.906	6024.87	OLF-CM4	-0.02	0.03	-0.02	21254	747779.9848	2081076.937	6024.85	OLF-CM4
46172	747804.008	2081131.021	6025.05	OLF-CM5	0.08	0.02	0.07	21255	747804.085	2081131.041	6025.13	OLF-CM5
46173	747825.2898	2081194.409	6026.48	OLF-CM6	-0.01	0.00	-0.04	21256	747825.2768	2081194.413	6026.45	OLF-CM6
46174	747862.8566	2081264.712	6028.87	OLF-CM7	0.00	-0.02	-0.08	21257	747862.8616	2081264.694	6028.79	OLF-CM7
46175	747800.3929	2081270.204	6016.91	OLF-CM8	-0.03	-0.04	-0.08	21258	747800.3589	2081270.16	6016.83	OLF-CM8
46176	747768.2157	2081187.149	6016.85	OLF-CM9	-0.03	-0.08	-0.16	21259	747768.1887	2081187.071	6016.69	OLF-CM9
46177	747709.9609	2081072.314	6011.96	OLF-CM10	0.04	0.06	0.05	21260	747710.0049	2081072.376	6012.01	OLF-CM10
46178	747715.3376	2081144.5	6009.65	OLF-CM11	-0.04	-0.05	-0.16	21261	747715.2926	2081144.453	6009.49	OLF-CM11
46179	747756.9014	2081253.383	6011.53	OLF-CM12	-0.01	-0.01	-0.15	21262	747756.8904	2081253.373	6011.39	OLF-CM12
46180	747699.6634	2081301.881	5999.16	OLF-CM13	-0.03	0.01	-0.09	21263	747699.6354	2081301.888	5999.07	OLF-CM13
46181	747674.0336	2081226.632	5999.02	OLF-CM14	-0.01	0.03	-0.11	21264	747674.0276	2081226.663	5998.91	OLF-CM14
46182	747645.1996	2081165.028	5997.90	OLF-CM15	-0.05	0.01	-0.14	21265	747645.1486	2081165.037	5997.76	OLF-CM15
46183	747601.0314	2081239.634	5988.48	OLF-CM16	0.11	-0.09	-0.15	21266	747601.1443	2081239.548	5988.33	OLF-CM15
46184	747636.5977	2081300.546	5987.99	OLF-CM17	0.01	-0.03	-0.15	21267	747636.6057	2081300.518	5987.84	OLF-CM17
46185	747594.8709	2081278.47	5982.91	OLF-CM18	0.03	0.04	-0.06	21268	747594.8999	2081278.507	5982.85	OLF-CM18
46186	747564.0894	2081246.231	5982.29	OLF-CM19	0.07	0.03	-0.02	21269	747564.1633	2081246.259	5982.26	OLF-CM19
46187	747554.9276	2081287.945	5976.74	OLF-CM20	0.06	0.01	-0.11	21270	747554.9896	2081287.951	5976.63	OLF-CM20

DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 09-28-07 OBSERVATION AND THE 01-03-08 OBSERVATION

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29
GRID TO GROUND SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 1.0002839489
GROUND TO GRID SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 0.9997161317

Rocky Flats Site
Original Landfill - Consolidation Monitors
Monthly Survey January 03, 2008 Comparison to Monthly Survey December 03, 2007

01-03-08 OBSERVATIONS					DELTA	DELTA	DELTA	12-03-07 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
46168	747857.203	2081123.615	6036.33	OLF-CM1	-0.02	0.00	-0.03	45092	747857.18	2081123.618	6036.30	OLF-CM1
46169	747830.4525	2081056.428	6036.47	OLF-CM2	0.00	-0.01	0.02	45093	747830.4545	2081056.416	6036.49	OLF-CM2
46170	747763.9857	2081032.196	6025.48	OLF-CM3	-0.03	0.01	0.04	45094	747763.9557	2081032.202	6025.52	OLF-CM3
46171	747780.0078	2081076.906	6024.87	OLF-CM4	-0.07	0.03	0.12	45095	747779.9398	2081076.932	6024.99	OLF-CM4
46172	747804.008	2081131.021	6025.05	OLF-CM5	0.03	0.04	-0.01	45096	747804.037	2081131.059	6025.04	OLF-CM5
46173	747825.2898	2081194.409	6026.48	OLF-CM6	0.01	0.02	-0.01	45097	747825.2968	2081194.426	6026.48	OLF-CM6
46174	747862.8566	2081264.712	6028.87	OLF-CM7	-0.02	-0.01	0.03	45098	747862.8377	2081264.705	6028.89	OLF-CM7
46175	747800.3929	2081270.204	6016.91	OLF-CM8	0.03	0.03	0.13	45099	747800.4248	2081270.235	6017.03	OLF-CM8
46176	747768.2157	2081187.149	6016.85	OLF-CM9	0.04	0.04	0.05	45100	747768.2517	2081187.186	6016.89	OLF-CM9
46177	747709.9609	2081072.314	6011.96	OLF-CM10	0.02	-0.01	-0.02	45101	747709.9779	2081072.308	6011.94	OLF-CM10
46178	747715.3376	2081144.5	6009.65	OLF-CM11	0.02	-0.03	-0.03	45102	747715.3615	2081144.468	6009.62	OLF-CM11
46179	747756.9014	2081253.383	6011.53	OLF-CM12	-0.03	-0.01	-0.05	45103	747756.8724	2081253.375	6011.48	OLF-CM12
46180	747699.6634	2081301.881	5999.16	OLF-CM13	0.01	-0.06	0.02	45104	747699.6714	2081301.826	5999.18	OLF-CM13
46181	747674.0336	2081226.632	5999.02	OLF-CM14	0.00	0.00	-0.02	45105	747674.0306	2081226.63	5999.00	OLF-CM14
46182	747645.1996	2081165.028	5997.90	OLF-CM15	0.05	0.01	-0.06	45106	747645.2476	2081165.04	5997.84	OLF-CM15
46183	747601.0314	2081239.634	5988.48	OLF-CM16	0.03	0.00	-0.07	45107	747601.0604	2081239.636	5988.41	OLF-CM15
46184	747636.5977	2081300.546	5987.99	OLF-CM17	0.01	-0.03	0.02	45108	747636.6027	2081300.514	5988.01	OLF-CM17
46185	747594.8709	2081278.47	5982.91	OLF-CM18	0.07	0.01	-0.04	45109	747594.9379	2081278.476	5982.87	OLF-CM18
46186	747564.0894	2081246.231	5982.29	OLF-CM19	0.01	0.04	0.04	45110	747564.1014	2081246.266	5982.32	OLF-CM19
46187	747554.9276	2081287.945	5976.74	OLF-CM20	0.04	-0.05	-0.09	45111	747554.9716	2081287.896	5976.65	OLF-CM20

DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 01-03-08 OBSERVATION AND THE 12-03-07 OBSERVATION

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29
GRID TO GROUND SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 1.0002839489
GROUND TO GRID SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 0.9997161317

Rocky Flats Site
Original Landfill - Consolidation Monitors
Monthly Survey February 04, 2008 Comparison to Base Survey September 28, 2007

02-04-08 OBSERVATIONS					DELTA	DELTA	DELTA	09-28-07 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
37001	747857.17	2081123.678	6036.496	OLF-CM1	0.02	-0.18	-0.35	21251	747857.19	2081123.497	6036.14	OLF-CM1
37002	747830.4635	2081056.427	6036.437	OLF-CM2	0.00	0.00	-0.05	21252	747830.4675	2081056.426	6036.39	OLF-CM2
37003	747763.9297	2081032.246	6025.604	OLF-CM3	0.06	-0.10	-0.15	21253	747763.9887	2081032.15	6025.46	OLF-CM3
37004	747780.0138	2081076.982	6024.838	OLF-CM4	-0.03	-0.05	0.01	21254	747779.9848	2081076.937	6024.85	OLF-CM4
37005	747804.014	2081131.094	6025.002	OLF-CM5	0.07	-0.05	0.12	21255	747804.085	2081131.041	6025.13	OLF-CM5
37006	747825.2548	2081194.491	6026.519	OLF-CM6	0.02	-0.08	-0.07	21256	747825.2768	2081194.413	6026.45	OLF-CM6
37007	747862.7887	2081264.712	6028.867	OLF-CM7	0.07	-0.02	-0.08	21257	747862.8616	2081264.694	6028.79	OLF-CM7
37008	747800.3399	2081270.26	6016.991	OLF-CM8	0.02	-0.10	-0.16	21258	747800.3589	2081270.16	6016.83	OLF-CM8
37009	747768.2457	2081187.183	6016.875	OLF-CM9	-0.06	-0.11	-0.19	21259	747768.1887	2081187.071	6016.69	OLF-CM9
37010	747709.9969	2081072.357	6011.998	OLF-CM10	0.01	0.02	0.01	21260	747710.0049	2081072.376	6012.01	OLF-CM10
37011	747715.3975	2081144.436	6009.569	OLF-CM11	-0.10	0.02	-0.08	21261	747715.2926	2081144.453	6009.49	OLF-CM11
37012	747756.9364	2081253.335	6011.454	OLF-CM12	-0.05	0.04	-0.07	21262	747756.8904	2081253.373	6011.39	OLF-CM12
37013	747699.6634	2081301.878	5999.139	OLF-CM13	-0.03	0.01	-0.07	21263	747699.6354	2081301.888	5999.07	OLF-CM13
37014	747674.0176	2081226.721	5998.991	OLF-CM14	0.01	-0.06	-0.08	21264	747674.0276	2081226.663	5998.91	OLF-CM14
37015	747645.2066	2081165.044	5997.899	OLF-CM15	-0.06	-0.01	-0.14	21265	747645.1486	2081165.037	5997.76	OLF-CM15
37016	747601.0424	2081239.664	5988.455	OLF-CM16	0.10	-0.12	-0.12	21266	747601.1443	2081239.548	5988.33	OLF-CM15
37017	747636.6467	2081300.465	5987.881	OLF-CM17	-0.04	0.05	-0.04	21267	747636.6057	2081300.518	5987.84	OLF-CM17
37018	747594.8629	2081278.545	5982.912	OLF-CM18	0.04	-0.04	-0.07	21268	747594.8999	2081278.507	5982.85	OLF-CM18
37019	747564.0874	2081246.258	5982.304	OLF-CM19	0.08	0.00	-0.04	21269	747564.1633	2081246.259	5982.26	OLF-CM19
37020	747555.0006	2081287.936	5976.683	OLF-CM20	-0.01	0.02	-0.05	21270	747554.9896	2081287.951	5976.63	OLF-CM20

DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 09-28-07 OBSERVATION AND THE 02-04-08 OBSERVATION

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29
GRID TO GROUND SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 1.0002839489
GROUND TO GRID SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 0.9997161317

Rocky Flats Site
Original Landfill - Consolidation Monitors
Monthly Survey February 04, 2008 Comparison to Monthly Survey January 03, 2007

02-04-08 OBSERVATIONS					DELTA	DELTA	DELTA	01-03-08 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
37001	747857.17	2081123.678	6036.496	OLF-CM1	0.03	-0.06	-0.17	46168	747857.203	2081123.615	6036.33	OLF-CM1
37002	747830.4635	2081056.427	6036.437	OLF-CM2	-0.01	0.00	0.04	46169	747830.4525	2081056.428	6036.47	OLF-CM2
37003	747763.9297	2081032.246	6025.604	OLF-CM3	0.06	-0.05	-0.12	46170	747763.9857	2081032.196	6025.48	OLF-CM3
37004	747780.0138	2081076.982	6024.838	OLF-CM4	-0.01	-0.08	0.03	46171	747780.0078	2081076.906	6024.87	OLF-CM4
37005	747804.014	2081131.094	6025.002	OLF-CM5	-0.01	-0.07	0.05	46172	747804.008	2081131.021	6025.05	OLF-CM5
37006	747825.2548	2081194.491	6026.519	OLF-CM6	0.04	-0.08	-0.03	46173	747825.2898	2081194.409	6026.48	OLF-CM6
37007	747862.7887	2081264.712	6028.867	OLF-CM7	0.07	0.00	0.00	46174	747862.8566	2081264.712	6028.87	OLF-CM7
37008	747800.3399	2081270.26	6016.991	OLF-CM8	0.05	-0.06	-0.09	46175	747800.3929	2081270.204	6016.91	OLF-CM8
37009	747768.2457	2081187.183	6016.875	OLF-CM9	-0.03	-0.03	-0.03	46176	747768.2157	2081187.149	6016.85	OLF-CM9
37010	747709.9969	2081072.357	6011.998	OLF-CM10	-0.04	-0.04	-0.04	46177	747709.9609	2081072.314	6011.96	OLF-CM10
37011	747715.3975	2081144.436	6009.569	OLF-CM11	-0.06	0.06	0.08	46178	747715.3376	2081144.5	6009.65	OLF-CM11
37012	747756.9364	2081253.335	6011.454	OLF-CM12	-0.04	0.05	0.08	46179	747756.9014	2081253.383	6011.53	OLF-CM12
37013	747699.6634	2081301.878	5999.139	OLF-CM13	0.00	0.00	0.02	46180	747699.6634	2081301.881	5999.16	OLF-CM13
37014	747674.0176	2081226.721	5998.991	OLF-CM14	0.02	-0.09	0.03	46181	747674.0336	2081226.632	5999.02	OLF-CM14
37015	747645.2066	2081165.044	5997.899	OLF-CM15	-0.01	-0.02	0.00	46182	747645.1996	2081165.028	5997.90	OLF-CM15
37016	747601.0424	2081239.664	5988.455	OLF-CM16	-0.01	-0.03	0.02	46183	747601.0314	2081239.634	5988.48	OLF-CM16
37017	747636.6467	2081300.465	5987.881	OLF-CM17	-0.05	0.08	0.11	46184	747636.5977	2081300.546	5987.99	OLF-CM17
37018	747594.8629	2081278.545	5982.912	OLF-CM18	0.01	-0.07	0.00	46185	747594.8709	2081278.47	5982.91	OLF-CM18
37019	747564.0874	2081246.258	5982.304	OLF-CM19	0.00	-0.03	-0.02	46186	747564.0894	2081246.231	5982.29	OLF-CM19
37020	747555.0006	2081287.936	5976.683	OLF-CM20	-0.07	0.01	0.06	46187	747554.9276	2081287.945	5976.74	OLF-CM20

DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 02-04-08 OBSERVATION AND THE 01-03-07 OBSERVATION

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29
GRID TO GROUND SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 1.0002839489
GROUND TO GRID SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 0.9997161317

Rocky Flats Site
Original Landfill - Consolidation Monitors
Monthly Survey March 03, 2008 Comparison to Base Survey September 28, 2007

03-03-08 OBSERVATIONS					DELTA	DELTA	DELTA	09-28-07 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
37034	747857.164	2081123.6	6036.342	OLF-CM1	0.03	-0.10	-0.20	21251	747857.19	2081123.497	6036.14	OLF-CM1
37035	747830.3896	2081056.44	6036.445	OLF-CM2	0.08	-0.01	-0.05	21252	747830.4675	2081056.426	6036.39	OLF-CM2
37036	747763.8807	2081032.221	6025.538	OLF-CM3	0.11	-0.07	-0.08	21253	747763.9887	2081032.15	6025.46	OLF-CM3
37037	747779.9988	2081076.894	6024.876	OLF-CM4	-0.01	0.04	-0.03	21254	747779.9848	2081076.937	6024.85	OLF-CM4
37038	747804.0999	2081131.03	6025.023	OLF-CM5	-0.01	0.01	0.10	21255	747804.085	2081131.041	6025.13	OLF-CM5
37039	747825.2568	2081194.443	6026.518	OLF-CM6	0.02	-0.03	-0.07	21256	747825.2768	2081194.413	6026.45	OLF-CM6
37040	747862.8317	2081264.667	6028.858	OLF-CM7	0.03	0.03	-0.07	21257	747862.8616	2081264.694	6028.79	OLF-CM7
37041	747800.3499	2081270.291	6016.998	OLF-CM8	0.01	-0.13	-0.17	21258	747800.3589	2081270.16	6016.83	OLF-CM8
37042	747768.2317	2081187.167	6016.881	OLF-CM9	-0.04	-0.10	-0.20	21259	747768.1887	2081187.071	6016.69	OLF-CM9
37043	747709.9119	2081072.338	6011.896	OLF-CM10	0.09	0.04	0.12	21260	747710.0049	2081072.376	6012.01	OLF-CM10
37044	747715.3376	2081144.526	6009.651	OLF-CM11	-0.04	-0.07	-0.17	21261	747715.2926	2081144.453	6009.49	OLF-CM11
37045	747756.9284	2081253.342	6011.522	OLF-CM12	-0.04	0.03	-0.14	21262	747756.8904	2081253.373	6011.39	OLF-CM12
37046	747699.5944	2081301.88	5999.232	OLF-CM13	0.04	0.01	-0.16	21263	747699.6354	2081301.888	5999.07	OLF-CM13
37047	747674.0546	2081226.692	5998.988	OLF-CM14	-0.03	-0.03	-0.08	21264	747674.0276	2081226.663	5998.91	OLF-CM14
37048	747645.1486	2081165.034	5997.918	OLF-CM15	0.00	0.00	-0.16	21265	747645.1486	2081165.037	5997.76	OLF-CM15
37049	747601.0634	2081239.658	5988.471	OLF-CM16	0.08	-0.11	-0.14	21266	747601.1443	2081239.548	5988.33	OLF-CM15
37050	747636.6207	2081300.483	5988.047	OLF-CM17	-0.02	0.04	-0.20	21267	747636.6057	2081300.518	5987.84	OLF-CM17
37051	747594.8759	2081278.524	5982.932	OLF-CM18	0.02	-0.02	-0.09	21268	747594.8999	2081278.507	5982.85	OLF-CM18
37052	747564.0884	2081246.298	5982.303	OLF-CM19	0.07	-0.04	-0.04	21269	747564.1633	2081246.259	5982.26	OLF-CM19
37053	747554.9686	2081287.998	5976.682	OLF-CM20	0.02	-0.05	-0.05	21270	747554.9896	2081287.951	5976.63	OLF-CM20

DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 09-28-07 OBSERVATION AND THE 03-03-08 OBSERVATION

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29
GRID TO GROUND SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 1.0002839489
GROUND TO GRID SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 0.9997161317

Rocky Flats Site
Original Landfill - Consolidation Monitors
Monthly Survey March 03, 2008 Comparison to Monthly Survey February 04, 2008

03-03-08 OBSERVATIONS					DELTA	DELTA	DELTA	02-04-08 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
37034	747857.164	2081123.6	6036.342	OLF-CM1	0.01	0.08	0.15	37001	747857.17	2081123.678	6036.496	OLF-CM1
37035	747830.3896	2081056.44	6036.445	OLF-CM2	0.07	-0.01	-0.01	37002	747830.4635	2081056.427	6036.437	OLF-CM2
37036	747763.8807	2081032.221	6025.538	OLF-CM3	0.05	0.02	0.07	37003	747763.9297	2081032.246	6025.604	OLF-CM3
37037	747779.9988	2081076.894	6024.876	OLF-CM4	0.02	0.09	-0.04	37004	747780.0138	2081076.982	6024.838	OLF-CM4
37038	747804.0999	2081131.03	6025.023	OLF-CM5	-0.09	0.06	-0.02	37005	747804.014	2081131.094	6025.002	OLF-CM5
37039	747825.2568	2081194.443	6026.518	OLF-CM6	0.00	0.05	0.00	37006	747825.2548	2081194.491	6026.519	OLF-CM6
37040	747862.8317	2081264.667	6028.858	OLF-CM7	-0.04	0.04	0.01	37007	747862.7887	2081264.712	6028.867	OLF-CM7
37041	747800.3499	2081270.291	6016.998	OLF-CM8	-0.01	-0.03	-0.01	37008	747800.3399	2081270.26	6016.991	OLF-CM8
37042	747768.2317	2081187.167	6016.881	OLF-CM9	0.01	0.02	-0.01	37009	747768.2457	2081187.183	6016.875	OLF-CM9
37043	747709.9119	2081072.338	6011.896	OLF-CM10	0.09	0.02	0.10	37010	747709.9969	2081072.357	6011.998	OLF-CM10
37044	747715.3376	2081144.526	6009.651	OLF-CM11	0.06	-0.09	-0.08	37011	747715.3975	2081144.436	6009.569	OLF-CM11
37045	747756.9284	2081253.342	6011.522	OLF-CM12	0.01	-0.01	-0.07	37012	747756.9364	2081253.335	6011.454	OLF-CM12
37046	747699.5944	2081301.88	5999.232	OLF-CM13	0.07	0.00	-0.09	37013	747699.6634	2081301.878	5999.139	OLF-CM13
37047	747674.0546	2081226.692	5998.988	OLF-CM14	-0.04	0.03	0.00	37014	747674.0176	2081226.721	5998.991	OLF-CM14
37048	747645.1486	2081165.034	5997.918	OLF-CM15	0.06	0.01	-0.02	37015	747645.2066	2081165.044	5997.899	OLF-CM15
37049	747601.0634	2081239.658	5988.471	OLF-CM16	-0.02	0.01	-0.02	37016	747601.0424	2081239.664	5988.455	OLF-CM16
37050	747636.6207	2081300.483	5988.047	OLF-CM17	0.03	-0.02	-0.17	37017	747636.6467	2081300.465	5987.881	OLF-CM17
37051	747594.8759	2081278.524	5982.932	OLF-CM18	-0.01	0.02	-0.02	37018	747594.8629	2081278.545	5982.912	OLF-CM18
37052	747564.0884	2081246.298	5982.303	OLF-CM19	0.00	-0.04	0.00	37019	747564.0874	2081246.258	5982.304	OLF-CM19
37053	747554.9686	2081287.998	5976.682	OLF-CM20	0.03	-0.06	0.00	37020	747555.0006	2081287.936	5976.683	OLF-CM20

DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 03-03-08 OBSERVATION AND THE 02-04-08 OBSERVATION

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29
GRID TO GROUND SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 1.0002839489
GROUND TO GRID SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 0.9997161317

Rocky Flats Site
Original Landfill - Consolidation Monitors
Monthly Survey April 04, 2008 Comparison to Base Survey September 28, 2007

04-04-08 OBSERVATIONS					DELTA	DELTA	DELTA	NET	NET	09-28-07 OBSERVATIONS				
PT NO	NORTHING	EASTING	ELEV	DESC	NORTH	EAST	ELEV	MVMT	DIR	PT NO	NORTHING	EASTING	ELEV	DESC
44225	747856.97	2081123.87	6036.192	OLF-CM1	0.22	-0.37	-0.05	0.43	-59.84	21251	747857.19	2081123.497	6036.14	OLF-CM1
44226	747830.44	2081056.39	6036.462	OLF-CM2	0.03	0.04	-0.07	0.05	57.62	21252	747830.4675	2081056.426	6036.39	OLF-CM2
44227	747763.91	2081032.19	6025.555	OLF-CM3	0.08	-0.04	-0.10	0.08	-25.90	21253	747763.9887	2081032.15	6025.46	OLF-CM3
44228	747780	2081076.93	6024.917	OLF-CM4	-0.01	0.01	-0.07	0.02	150.26	21254	747779.9848	2081076.937	6024.85	OLF-CM4
44229	747804.07	2081131.03	6025.005	OLF-CM5	0.02	0.01	0.12	0.02	21.18	21255	747804.085	2081131.041	6025.13	OLF-CM5
44230	747825.28	2081194.47	6026.517	OLF-CM6	0.00	-0.06	-0.07	0.06	85.87	21256	747825.2768	2081194.413	6026.45	OLF-CM6
44231	747862.84	2081264.68	6028.839	OLF-CM7	0.02	0.01	-0.05	0.02	35.36	21257	747862.8616	2081264.694	6028.79	OLF-CM7
44232	747800.4	2081270.26	6016.929	OLF-CM8	-0.04	-0.10	-0.10	0.11	66.24	21258	747800.3589	2081270.16	6016.83	OLF-CM8
				OLF-CM9						21259	747768.1887	2081187.071	6016.69	OLF-CM9
44233	747709.98	2081072.38	6011.946	OLF-CM10	0.02	0.00	0.07	0.02	-8.02	21260	747710.0049	2081072.376	6012.01	OLF-CM10
44234	747715.4	2081144.51	6009.601	OLF-CM11	-0.11	-0.06	-0.12	0.12	28.69	21261	747715.2926	2081144.453	6009.49	OLF-CM11
44235	747756.97	2081253.44	6011.493	OLF-CM12	-0.08	-0.07	-0.11	0.10	38.40	21262	747756.8904	2081253.373	6011.39	OLF-CM12
44236	747699.71	2081301.93	5999.171	OLF-CM13	-0.07	-0.04	-0.10	0.08	29.52	21263	747699.6354	2081301.888	5999.07	OLF-CM13
44237	747674.08	2081226.71	5998.956	OLF-CM14	-0.05	-0.05	-0.05	0.07	44.76	21264	747674.0276	2081226.663	5998.91	OLF-CM14
44238	747645.22	2081165.08	5997.815	OLF-CM15	-0.07	-0.04	-0.06	0.08	28.48	21265	747645.1486	2081165.037	5997.76	OLF-CM15
44239	747601.09	2081239.67	5988.414	OLF-CM16	0.06	-0.12	-0.08	0.14	-64.30	21266	747601.1443	2081239.548	5988.33	OLF-CM15
44240	747636.66	2081300.57	5987.956	OLF-CM17	-0.05	-0.05	-0.11	0.07	46.42	21267	747636.6057	2081300.518	5987.84	OLF-CM17
44241	747594.89	2081278.54	5982.891	OLF-CM18	0.01	-0.03	-0.05	0.04	-73.56	21268	747594.8999	2081278.507	5982.85	OLF-CM18
44242	747564.11	2081246.33	5982.324	OLF-CM19	0.06	-0.07	-0.06	0.09	-50.49	21269	747564.1633	2081246.259	5982.26	OLF-CM19
44243	747555	2081287.97	5976.691	OLF-CM20	-0.01	-0.02	-0.06	0.02	57.34	21270	747554.9896	2081287.951	5976.63	OLF-CM20
							-0.06	0.09						

OLF-CM9 WAS REMOVED PRIOR TO SURVEY
DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 09-28-07 OBSERVATION AND THE 04-04-08 OBSERVATION

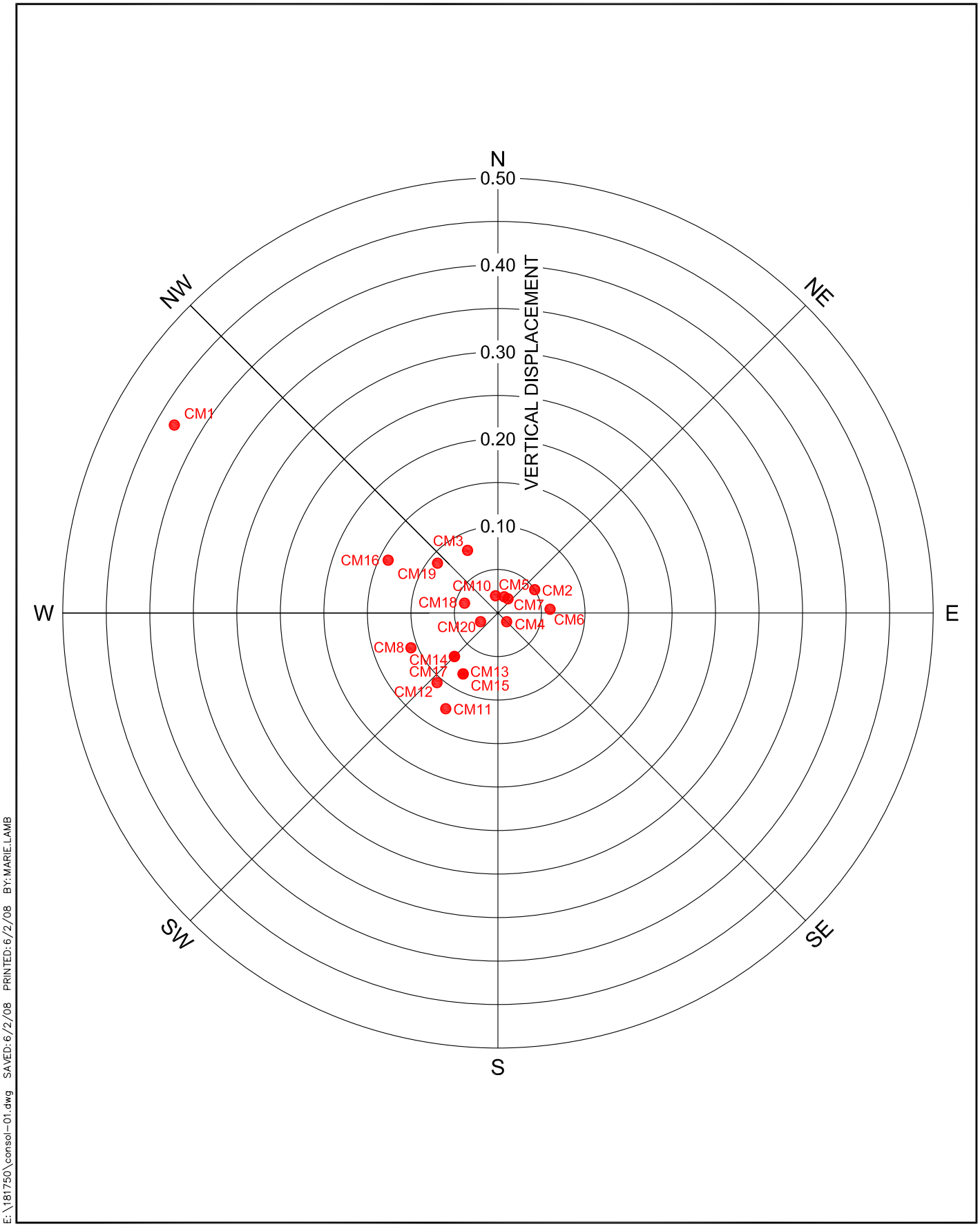
POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29
GRID TO GROUND SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 1.0002839489
GROUND TO GRID SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 0.9997161317

Rocky Flats Site
Original Landfill - Consolidation Monitors
Monthly Survey April 04, 2008 Comparison to Monthly Survey March 03, 2008

04-04-08 OBSERVATIONS					DELTA	DELTA	DELTA	03-03-08 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
44225	747856.9741	2081123.869	6036.192	OLF-CM1	0.19	-0.27	0.15	37034	747857.164	2081123.6	6036.342	OLF-CM1
44226	747830.4415	2081056.385	6036.462	OLF-CM2	-0.05	0.05	-0.02	37035	747830.3896	2081056.44	6036.445	OLF-CM2
44227	747763.9127	2081032.187	6025.555	OLF-CM3	-0.03	0.03	-0.02	37036	747763.8807	2081032.221	6025.538	OLF-CM3
44228	747779.9988	2081076.929	6024.917	OLF-CM4	0.00	-0.03	-0.04	37037	747779.9988	2081076.894	6024.876	OLF-CM4
44229	747804.069	2081131.035	6025.005	OLF-CM5	0.03	-0.01	0.02	37038	747804.0999	2081131.03	6025.023	OLF-CM5
44230	747825.2808	2081194.468	6026.517	OLF-CM6	-0.02	-0.02	0.00	37039	747825.2568	2081194.443	6026.518	OLF-CM6
44231	747862.8437	2081264.681	6028.839	OLF-CM7	-0.01	-0.01	0.02	37040	747862.8317	2081264.667	6028.858	OLF-CM7
44232	747800.4038	2081270.262	6016.929	OLF-CM8	-0.05	0.03	0.07	37041	747800.3499	2081270.291	6016.998	OLF-CM8
				OLF-CM9	747768.23	2081187.17	6016.88	37042	747768.2317	2081187.167	6016.881	OLF-CM9
44233	747709.9829	2081072.379	6011.946	OLF-CM10	-0.07	-0.04	-0.05	37043	747709.9119	2081072.338	6011.896	OLF-CM10
44234	747715.4015	2081144.513	6009.601	OLF-CM11	-0.06	0.01	0.05	37044	747715.3376	2081144.526	6009.651	OLF-CM11
44235	747756.9724	2081253.438	6011.493	OLF-CM12	-0.04	-0.10	0.03	37045	747756.9284	2081253.342	6011.522	OLF-CM12
44236	747699.7064	2081301.928	5999.171	OLF-CM13	-0.11	-0.05	0.06	37046	747699.5944	2081301.88	5999.232	OLF-CM13
44237	747674.0756	2081226.711	5998.956	OLF-CM14	-0.02	-0.02	0.03	37047	747674.0546	2081226.692	5998.988	OLF-CM14
44238	747645.2216	2081165.077	5997.815	OLF-CM15	-0.07	-0.04	0.10	37048	747645.1486	2081165.034	5997.918	OLF-CM15
44239	747601.0854	2081239.67	5988.414	OLF-CM16	-0.02	-0.01	0.06	37049	747601.0634	2081239.658	5988.471	OLF-CM16
44240	747636.6567	2081300.572	5987.956	OLF-CM17	-0.04	-0.09	0.09	37050	747636.6207	2081300.483	5988.047	OLF-CM17
44241	747594.8899	2081278.541	5982.891	OLF-CM18	-0.01	-0.02	0.04	37051	747594.8759	2081278.524	5982.932	OLF-CM18
44242	747564.1074	2081246.327	5982.324	OLF-CM19	-0.02	-0.03	-0.02	37052	747564.0884	2081246.298	5982.303	OLF-CM19
44243	747554.9996	2081287.967	5976.691	OLF-CM20	-0.03	0.03	-0.01	37053	747554.9686	2081287.998	5976.682	OLF-CM20

OLF-CM9 WAS REMOVED PRIOR TO SURVEY
DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 04-04-08 OBSERVATION AND THE 03-03-08 OBSERVATION

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29
GRID TO GROUND SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 1.0002839489
GROUND TO GRID SCALE FACTOR AS PROVIDED BY RFETS DURING SITE CLOSURE IS 0.9997161317



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Project No. 181750

June 2008

FIGURE F.1
ROCKY FLATS SITE ORIGINAL LANDFILL
SETTLEMENT MONITORS MONTHLY SURVEY APRIL 04
2008 COMPARISON TO BASE SURVEY SEPTEMBER 28, 2007