



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

November 5, 2009

Mr. Aris Krimetz
Wente Winery
5565 Tesla Road
Livermore, CA 94550-9149

Subject: Fuel Leak Case No. RO0002585 and Geotracker Global ID T0600186816, Wente Winery, 5565 Tesla Road, Livermore, CA 94550 – Case Closure

Dear Mr. Krimetz:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (<http://geotracker.swrcb.ca.gov>) and the Alameda County Environmental Health website (<http://www.acgov.org/aceh/index.htm>).

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Total petroleum hydrocarbons as gasoline remain in soil at concentrations up to 232 ppm.
- Total petroleum hydrocarbons as motor oil remain in soil at concentrations up to 380 ppm.
- Lead, volatile organic compounds, and total petroleum hydrocarbons as diesel were detected intermittently in the on-site water supply well at Wente Winery. Please see the Considerations and/or Variances in the Case Closure Summary.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Donna L. Drogos, P.E.
LOP and Toxics Program Manager

Enclosures:

1. Remedial Action Completion Certification
2. Case Closure Summary

cc:

Cheryl Dizon, QIC 80201 (w/enc)
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

Closure Unit (w/enc)
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

Mr. Mansour Sepehr (w/o enc)
SOMA Environmental Engineering
6620 Owens Drive, Suite A
Pleasanton CA 94588-3334

D. Drogos (w/enc)
Jerry Wickham (w/orig enc),
Geotracker (w/enc)
File (w/enc)



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REMEDIAL ACTION COMPLETION CERTIFICATION

November 5, 2009

Mr. Aris Krimetz
Wente Winery
5565 Tesla Road
Livermore, CA 94550-9149

Subject: Fuel Leak Case No. RO0002585 and Geotracker Global ID T0600186816, Wente Winery, 5565 Tesla Road, Livermore, CA 94550 – Case Closure

Dear Mr. Krimetz:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Ariu Levi".

Ariu Levi
Director
Alameda County Environmental Health

**CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM**

I. AGENCY INFORMATION

Date: May 20, 2009

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Senior Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Wente Winery		
Site Facility Address: 5565 Tesla Rd. Livermore, CA 94550		
RB Case No.: ---	Local Case No.: ---	LOP Case No.: RO0002585
URF Filing Date: 07/02/2003	Geotracker ID.: T0600186816	APN: 99A-2340-4-1
Responsible Parties	Addresses	Phone Numbers
Aris Krimetz, Wente Vineyards	5565 Tesla Rd. Livermore, CA 94550 9149	925-456-2300

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
Diesel UST	Unknown	Diesel	Removed	1987
Gasoline UST	Unknown	Gasoline	Removed	1987
Piping			Removed	1987

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown.		
Site characterization complete? Yes	Date Approved By Oversight Agency: -----	
Monitoring wells installed? Yes	Number: 5	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 5.61 feet	Lowest Depth: 9.23 feet	Flow Direction: Northwest to Southwest
Most Sensitive Current Use: Drinking water source.		

Summary of Production Wells in Vicinity: The nearest water supply well is the Wente Vineyards on-site well (3S/2E 23F1) that is approximately 230 feet south (upgradient) of the former USTs. The Wente Vineyards on-site well is 102 feet deep with a casing diameter of 10 inches and is screened from 11 to 66 feet bgs and 77 to 93 feet bgs. The on-site well was included in the quarterly sampling program from May 2005 to June 2008. TPH as diesel was detected in water from the on-site well during 5 of 12 sampling events at concentrations up to 100 ppb. Lead was detected once at a concentration of 26 ppb in water from the on-site well during a sampling event on May 5, 2006. Lead was not detected at reportable concentrations during the other 10 sampling events where metals were analyzed. During the first two sampling events on November 28, 2005 and February 13, 2006, chloroethane was detected in water from the on-site supply well at concentrations of 4.19 and 0.5 ppb, respectively. Chloroethane was not detected in water samples from the on-site supply well during 9 subsequent monitoring events from May 5, 2006 through June 24, 2008. The source of isolated detections of lead and VOCs in the on-site water supply well is unknown but may be related to sampling artifacts. The source of intermittent detections of TPH as diesel may be related to local sources near or upgradient from the on-site water supply well. Based on the upgradient location from the former USTs, the on-site water supply well is not expected to be a receptor for the former USTs.

An off-site supply well for the Steven Kent Winery (3S/2E 23C2) is approximately 150 feet west (crossgradient) from the steam-cleaning area at Wente Vineyards and approximately 270 feet southwest (crossgradient) from the former USTs. The off-site well at Steven Kent Winery is not used for potable water supply. We understand that Wente Vineyards provides potable water to the Steven Kent Winery using sources other than well 3S/2E 23C2. Water from the off-site well was previously mixed with water from the on-site Wente Vineyards well and used for irrigation. The off-site well is 1225 feet deep with a pump installed at approximately 100 feet bgs. During the initial sampling event for the off-site well on November 28, 2005, benzene was detected at a concentration of 0.77 ppb. During the second sampling event for the off-site well on November 28, 2005, tetrahydrofuran and chloroethane were detected in water from the off-site well at concentrations of 19,700 and 380 ppb, respectively. Benzene, tetrahydrofuran, and chloroethane were not detected in water from the Steven Kent Winery off-site well during 11 subsequent quarterly groundwater sampling events from January 16, 2006 through June 24, 2008. The source of the benzene, tetrahydrofuran, and chloroethane detected during the initial sampling events is unknown. A monitoring well (MWS-2) was installed directly upgradient approximately 90 feet southeast of the off-site supply well to evaluate water quality for groundwater likely to be captured by the well. No VOCs were detected in groundwater from MWS-2 during two sampling events. A monitoring well (MWS-1) was also installed in the area of the steam-cleaning area to assess whether water quality has been affected by discharges from the steam-cleaning area. TPH as gasoline, TPH as diesel, and VOCs were not detected at reportable concentrations in groundwater samples collected from MWS-2 during sampling events on March 26, 2008 and June 24, 2008. Based on the apparent absence of groundwater impacts in the steam-cleaning area, the off-site well is not expected to be a receptor for the steam-cleaning area. Based on the cross gradient location of the off-site well from the former USTs, the off-site well is not expected to be a receptor for the fuel leak from the former USTs.

Four additional off-site water supply wells are located west of the former USTs. Well 3S/2E 23D1 is a 140 feet deep domestic well located approximately 600 feet west of the former USTs. Based on the crossgradient location and distance from the former USTs, well 3S/2E 23 D1 is not expected to be a receptor for the fuel leak from the former USTs.

Wells 3S/2E 23D2, 3S/2E 23D3, and 3S/2E 23D4 are domestic or supply wells located 1,000 to 1,400 feet west of the former USTs. Based on the crossgradient locations and distance from the former USTs, these wells are not expected to be receptors for the fuel leak from the former USTs. Well 3S.2E 14P1 is a 740-foot deep supply well located approximately 1,000 feet north northeast of the former USTs. Based on the crossgradient location and distance from the former USTs, well 3S/2E 14P1 is not expected to be a receptor for the fuel leak from the former USTs. Well 3S/2E 14P2 is a 120-foot deep potable supply well located approximately 1,050 feet northeast of the former USTs. Based on the crossgradient location and distance from the former USs, well 3S/2E 14P2 is not expected to be a receptor for the fuel leak from the former USTs.

Are drinking water wells affected? See the discussion above regarding Summary of Production Wells in Vicinity.	Aquifer Name: Mocho II subbasin of Livermore-Amador Basin
Is surface water affected? No	Nearest SW Name: Lake Del Valle ~3 miles south
Off-Site Beneficial Use Impacts (Addresses/Locations): No apparent impacts.	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health and Livermore-Pleasanton Fire Department

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	One gasoline tank – volume not reported One diesel tank – volume not reported	Not reported	1987
Piping	Not reported	Not reported	Not reported
Free Product	Not reported	Not reported	Not reported
Soil	86 tons	Transported to Forward Landfill for disposal	10/23/2007
Groundwater	Not reported	Not reported	Not reported

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
 (Please see Attachments 1 through 7 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	232	232	1,850,000(1)	<50(1)
TPH (Diesel)	2,100	98	54,000(1)	<50(1)
TPH (Motor Oil)	6,800	380	322	<300
Benzene	<0.02	<0.02	3,820(1)	<50(1)
Toluene	<0.09	<0.09	114,000(1)	<50(1)
Ethylbenzene	2.6	2.6	40,400(1)	<50(1)
Xylenes	8.17	8.17	177,700(1)	<50(1)
MTBE	0.028	0.028	<0.5(2)	<0.5(2)
Lead	160	34	82(3)	8.1(3)
Cadmium	2.9	0.47	12(3)	<5(3)
Nickel	200	200	3,600(3)	<5(3)
Chromium	79	73	930(3)	<9.7(3)
Zinc	490	100	7,200	910
Tetrahydrofuran	<0.05	<0.05	19,700(4)	<50(4)
Chloroethane	<0.009	<0.009	380(4)	<1(4)
Chloromethane	<0.009	<0.009	3.58(5)	<1(5)
Other (8240/8270)	ND(6)	ND(6)	ND(6)	ND(6)

- (1) The maximum concentration before cleanup was detected in a grab groundwater sample from boring B-9 on June 24, 2005. Based on the highly elevated concentrations of metals in the grab groundwater sample, the results appear to be biased high due to elevated turbidity in the grab sample. The maximum concentration after cleanup is from the five on-site monitoring wells during the most recent groundwater sampling event for each well.
- (2) No fuel oxygenates or lead scavengers detected at various reporting limits.
- (3) The maximum concentration before cleanup was detected in a grab groundwater sample from boring B-10 on June 24, 2005. Based on the highly elevated concentrations of metals in the grab groundwater sample, the results appear to be biased high due to elevated turbidity in the grab sample. The maximum concentration after cleanup is from groundwater samples collected from monitoring wells MWS-1 and MWS-2 and the two water supply wells during the most recent groundwater sampling event for each well.
- (4) The maximum concentration before cleanup was detected in a groundwater sample from off-site supply well 3S/2E 23C2 at the Steven Kent Winery on November 28, 2005. Tetrahydrofuran has not been detected in any other groundwater samples. The maximum concentration after cleanup is from the five on-site monitoring wells and the two water supply wells during the most recent groundwater sampling event for each well.
- (5) The maximum concentration before cleanup was detected in a grab groundwater sample from boring B-9 on June 24, 2005. Based on the highly elevated concentrations of metals in the grab groundwater sample, the results appear to be biased high due to elevated turbidity in the grab sample. The maximum concentration after cleanup is from the five on-site monitoring wells during the most recent groundwater sampling event for each well. 1,2,4-trimethylbenzene detected at 2.2 ppb; 1,3,5-trimethylbenzene detected at 2.0 ppb; no other VOCs or SVOCs detected in groundwater.
- (6) No other VOCs or PAHs were detected at various reporting limits.

Site History and Description of Corrective Actions for Underground Storage Tanks (USTs):

The site is Wente Vineyards at 5565 Tesla Road in Livermore. Surrounding land use is rural agricultural, primarily vineyards. Two underground storage tanks (one gasoline and one diesel) were removed in 1987 without regulatory oversight. No information is available regarding the condition of the tanks or evidence of leakage. Following removal of the USTs, three aboveground fuel tanks were installed above the locations of the former USTs.

Two soil borings (B-1 and B-2) were advanced at an angle beneath the aboveground tanks by Clayton on April 18, 2003 to assess whether a release had occurred from the former USTs. Total petroleum hydrocarbons as gasoline (TPHg) and benzene were detected in one soil sample from boring B-1 at a concentration of 24 ppm but TPHg and benzene were not detected in a soil sample collected from boring B-2. A grab groundwater sample collected from boring B-1 contained 200,000 ppb of TPHg and 2,100 ppb of benzene.

On May 5, 2003, three monitoring wells (MW-1 through MW-3) were installed to monitor the upper water-bearing layer in the area of the former USTs. The three wells were monitored quarterly from September 2005 to July 2008. TPHg, BTEX, and fuel oxygenates were not detected in groundwater samples from the three monitoring wells. TPHg was detected intermittently in groundwater samples from the three monitoring wells at concentrations up to 300 ppb.

On June 23, 2005, soil boring B-9 was advanced immediately northwest (downgradient) from the former USTs. TPHg was detected in a soil sample collected at a depth of 12.5 to 13 feet bgs from boring B-9 at a concentration of 232 ppm. To further characterize the area of the former USTs, four cone penetration test (CPT) and ultra violet induced fluorescence (UVIF) borings were advanced in the area surrounding the former USTs on October 26 and 27, 2005. Three water-bearing zones were identified within 70 feet of ground surface. Grab groundwater samples were collected from each of the three water-bearing zones. TPHg and benzene were detected in the shallow water-bearing zone (within approximately 20 feet bgs) at concentrations up to 260 and 2 ppb, respectively. TPHg and fuel oxygenates were not detected in the two lower water-bearing zones. BTEX compounds were detected at minor concentrations not exceeding 0.5, 0.8, 1.7, and 7.5 ppb, respectively.

Site History and Description of Corrective Actions for Steam Cleaning Area:

In July 1990, ACEH issued a Notice of Violation for a discharge into an open ditch adjacent to a steam-cleaning area at the south end of the steel storage and welding shop. Noticeable contamination was observed where runoff from a steam-cleaning area drained into the open ditch. Following the ACEH inspection, a closed loop wastewater handling system was reportedly installed in the steam-cleaning area. In 2002, Clayton Environmental conducted a Phase I Environmental Site Assessment. Based on the historical use of the property, five areas were identified for future investigation:

- Area of current fuel ASTs and former USTs
- Former first steam-cleaning bay
- Bulk oil storage and shop area
- Agricultural chemical storage and use areas.

On April 18, 2003, one soil boring was advanced in the area of the first steam-cleaning bay (B-4) and one soil boring was advanced in the area of the second steam-cleaning bay (B-3). No TPH or VOCs were detected and metals concentrations were reported within background ranges in soil samples from both borings. A grab groundwater sample collected from boring B-4 in the second steam-cleaning area contained TPHg at 74 ppb and TPHd at 180 ppb.

On June 23, 2005, soil boring B-10 was advanced in the former steam-cleaning area. No soil samples were collected for laboratory analysis from boring B-10. A grab groundwater sample collected from boring B-10 did not contain reportable concentrations of TPHg, TPHd, TPHmo, or organochlorine pesticides. The unfiltered grab groundwater sample from B-10 contained elevated concentrations of metals.

To evaluate potential discharges to groundwater from the steam-cleaning areas, one CPT-UVIF boring was advanced in the first steam-cleaning area (CPT-5) and one boring was advanced in the second steam-cleaning area (CPT-3). TPHg, BTEX, and VOCs were not detected in grab groundwater samples collected from CPT-3 and CPT-5. TPHd was detected in the grab groundwater sample from boring CPT-5 at a concentration of 59 ppb.

In October 2006, additional investigation was conducted in the former steam-cleaning areas. Two direct push borings (GS-1 and GS-2) were advanced to total depths of 63 feet bgs to collect depth-discrete grab groundwater samples. TPHg, BTEX, and VOCs (including chloroethane and tetrahydrofuran) were not detected in the

groundwater samples. However, there was insufficient groundwater to collect a shallow (11 to 16 feet bgs) grab groundwater sample from GS-1.

Shallow soil samples (HA-1 through HA-11) were collected from depths of 1 to 1.5 and 3 to 3.5 feet bgs in the former steam-cleaning areas on October 9 and 10, 2006. Elevated concentrations of TPHd, TPHmo, and metals were detected in shallow soil around the north, west, and south perimeter of the steam-cleaning area. Organochlorine pesticides, polycyclic aromatic hydrocarbons (PAHs), and polychlorinated biphenyls (PCBs) were not detected at concentrations exceeding screening levels. Nine soil vapor samples were also collected in the former steam-cleaning areas. Benzene was detected in 7 of the 9 soil vapor samples collected at concentrations up to 170 micrograms per cubic meter.

On February 6, 2007, an additional 7 soil borings (HA-12 through HA-18) were advanced beneath the concrete pad in the steam-cleaning area to further delineate the horizontal and vertical extent of contamination. Soil contamination was not observed in soils beneath the concrete pad. To address the soil contamination in the area of the former steam-cleaning operations, a remedial action was conducted from September to December 2007. The remedial action consisted of soil excavation in four areas where elevated concentrations of TPH and metals were detected in shallow soil, confirmation sampling, off-site soil disposal, and site restoration with clean, imported fill. Approximately 86 tons of impacted soil was transported off-site to Forward Landfill for disposal.

On March 12 and 13, 2008, two monitoring wells were installed to evaluate groundwater quality in the southern portion of the site. Well MWS-1 was installed in the steam-cleaning area where metals and TPH-impacted soils were removed. Well MWS-2 was installed immediately southeast (upgradient) of the off-site Steven Kent Winery supply well to evaluate whether the off-site well was being impacted by a contaminant source on site. Both wells were installed in the upper water-bearing zone. TPHg, TPHd, and VOCs were not detected in soil samples collected from the well borings or groundwater samples collected from the monitoring wells. Based on these results, the former USTs and steam-cleaning areas do not appear to be impacting the off-site water supply well.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? No		
Was a deed restriction or deed notification filed? No		Date Recorded: --
Monitoring Wells Decommissioned: Yes	Number Decommissioned: 11	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: --		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

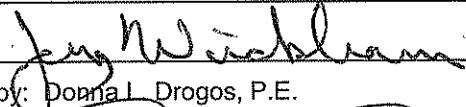
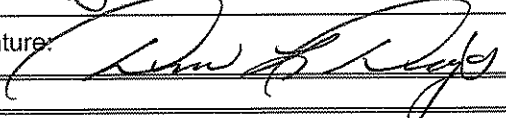
Lead was detected once at a concentration of 26 ppb in a water sample from the Wente Vineyard on-site water supply well. Chloroethane and chloromethane were also detected once in water from the on-site supply well at concentrations of 4.19 and 3.58 ppb, respectively. TPH as diesel has been detected in water from the on-site supply well during 5 of 12 sampling events at concentrations up to 100 ppb. The source of isolated detections of lead and VOCs in the on-site water supply well is unknown but may be related to sampling artifacts. The source of intermittent detections of TPH as diesel may be related to local sources near or upgradient from the on-site supply well. Based on the upgradient location from the former USTs, the on-site water supply well is not expected to be a receptor for the fuel leak from the former USTs.

During the second sampling event for the off-site supply well at the Steven Kent Winery (3S/2E 23C2) on November 28, 2005, tetrahydrofuran and chloroethane were detected in water from the off-site well at concentrations of 19,700 and 380 µg/L, respectively. Tetrahydrofuran and chloroethane were not detected in water from the Steven Kent Winery off-site well during 11 subsequent groundwater sampling events from January 16, 2006 through June 24, 2008. The source of the tetrahydrofuran and chloroethane detected during the second sampling event is unknown but may be sampling artifacts. Based on the crossgradient location, the off-site water supply well is not expected to be a receptor for the former USTs and steam-cleaning areas.

Conclusion:

Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Senior Hazardous Materials Specialist
Signature: 	Date: 05/21/09
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: 	Date: 05/21/09

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature: <i>Cherie McCaulou*</i>	Date: <i>6/19/09</i>

*LOP agency to update all required fields in Geotracker database.

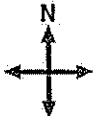
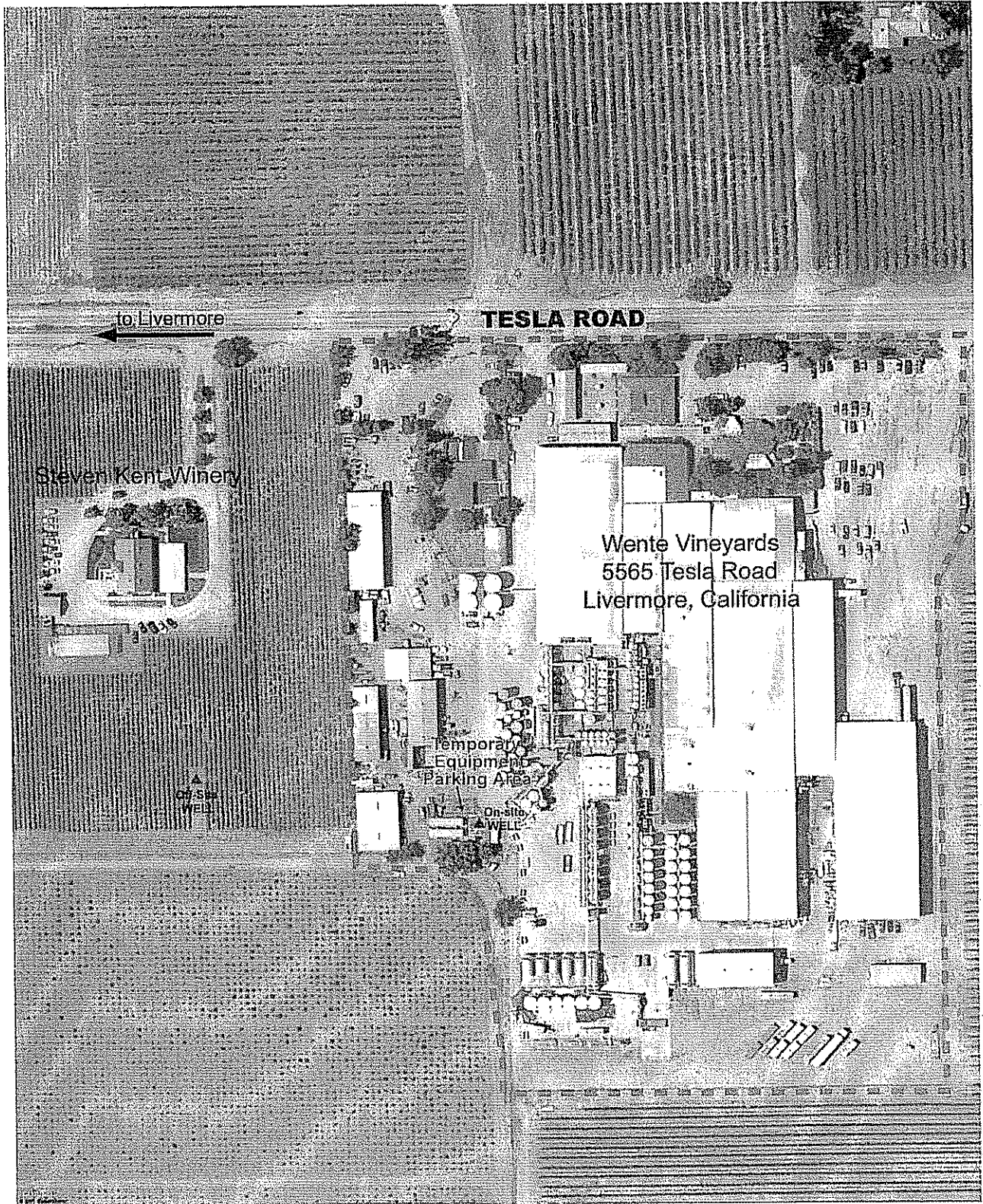
VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: <i>06/24/09</i>	Date of Well Decommissioning Report: <i>11/04/09</i>	
All Monitoring Wells Decommissioned: <input checked="" type="radio"/> Yes <input type="radio"/> No	Number Decommissioned: <i>5</i>	Number Retained: <i>0</i>
Reason Wells Retained: <i>NA</i>		
Additional requirements for submittal of groundwater data from retained wells: <i>None</i>		
ACEH Concurrence - Signature: <i>Jerry Wiseman</i>	Date: <i>11/05/09</i>	

Attachments:

1. Site Vicinity Map (1 page)
2. Well Location Map and Groundwater Elevation Contour Maps (3 pages)
3. Sample Location Maps, Site Maps, and Geologic Cross Sections (9 pages)
4. Site Maps and Soil Concentration Maps for Steam-Cleaning Areas (11 pages)
5. Soil Analytical Data (16 pages)
6. Groundwater Analytical Data (18 pages)
7. Boring Logs (31 pages)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.



approximate scale in feet

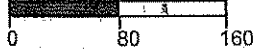


Figure 1: Site vicinity map.



ZONE 7 WATER AGENCY
 5997 PARKSIDE DRIVE
 PLEASANTON, CA 94588

WELL LOCATION MAP

ATTACHMENT 2

SCALE: 1"= 600 ft

DATE: 8/30/04

5565 TESLA RD

\\zone7-file\MapInfo\FLOOD\REFERALLS\REFERALLS.WOR

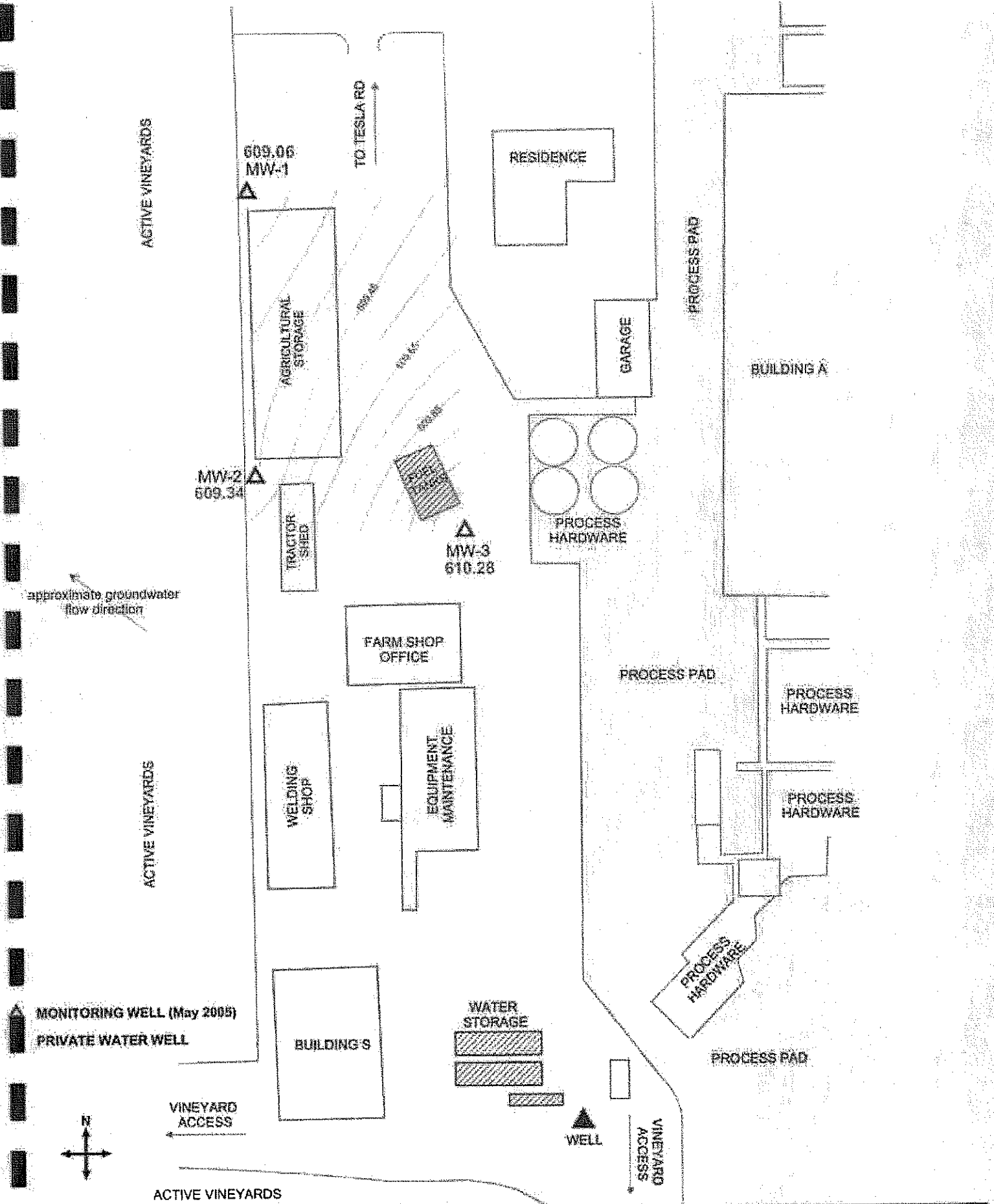
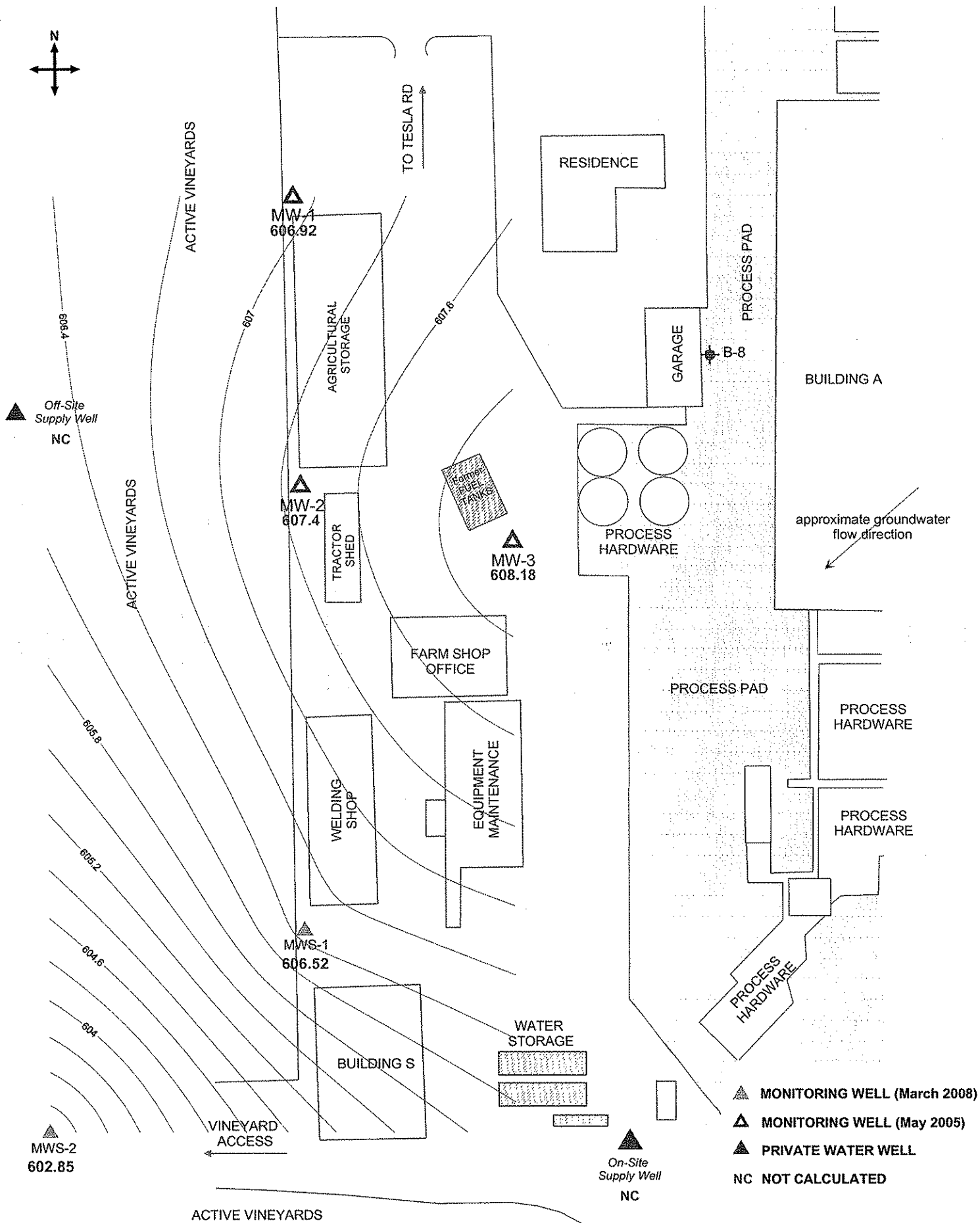


Figure 3: Groundwater elevation contour map in feet.



approximate scale in feet

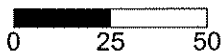
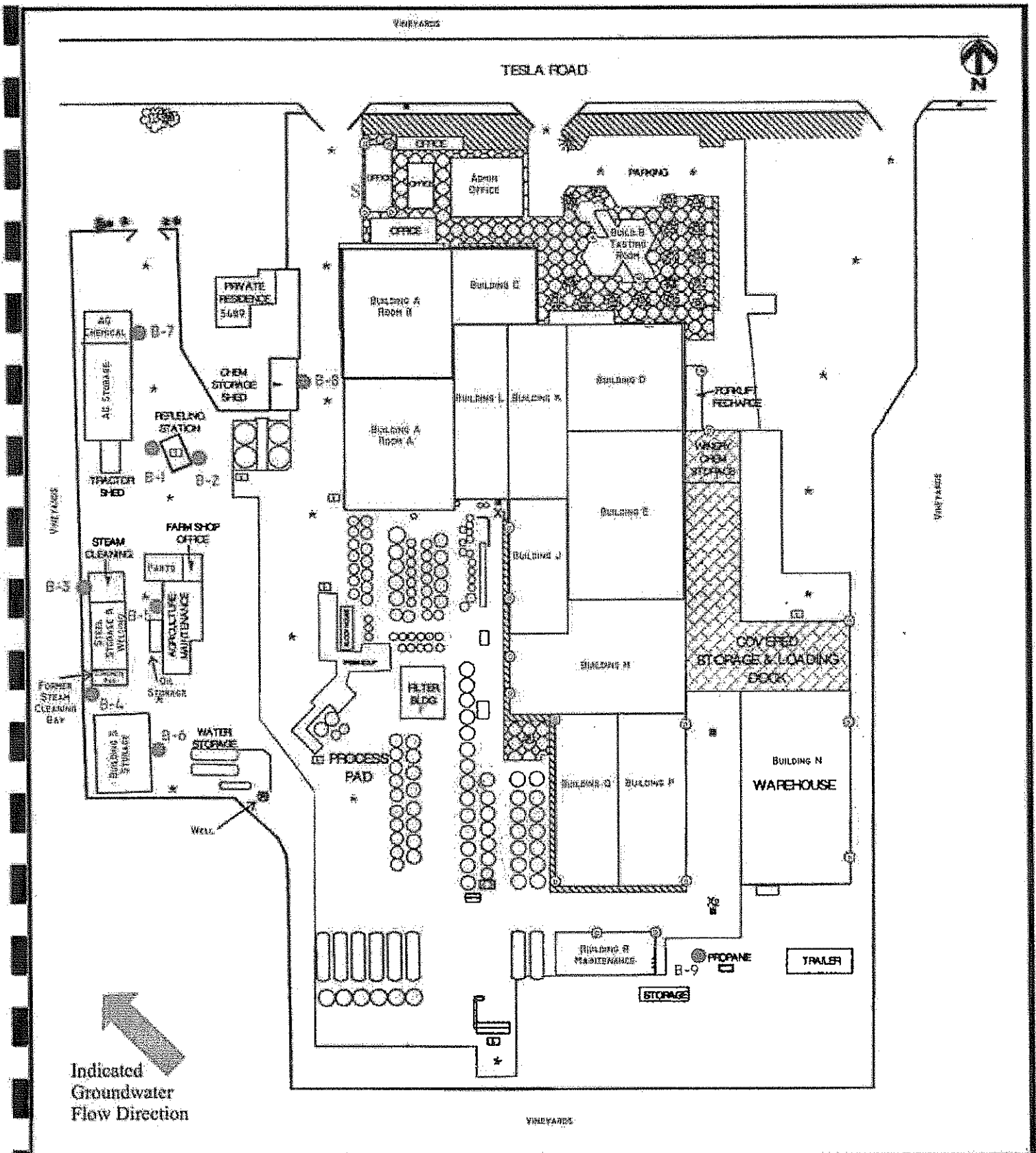


Figure 3: Groundwater Elevation Contour Map in Feet. June 24, 2008.



LEGEND

- Soil Boring Location
- S Septic Tank
- Scale
100 FEET

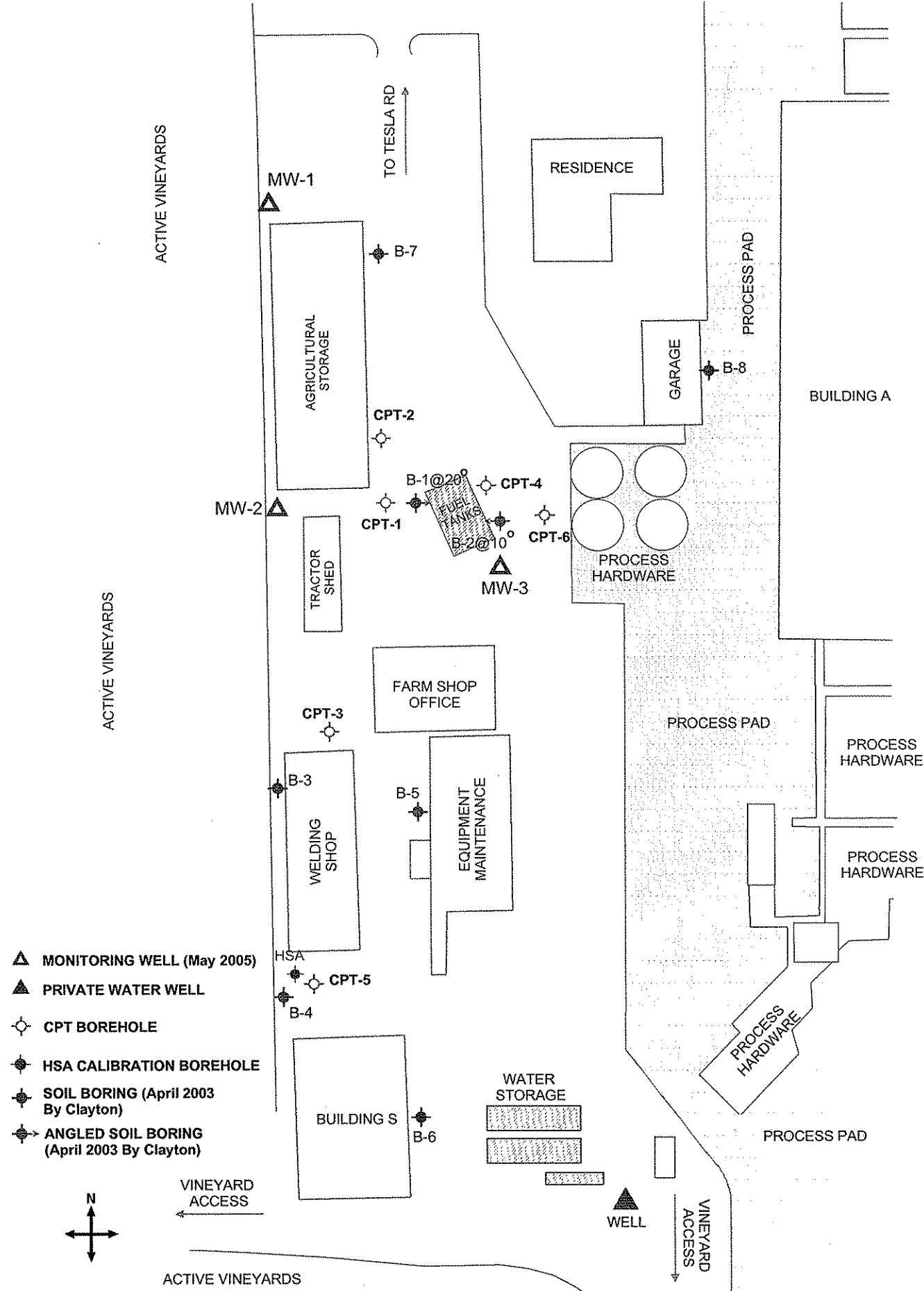
SAMPLE LOCATION MAP

Wente Winery
 5565 Tesla Road
 Livermore, California
 Clayton Project No. 70-03412.01

FIGURE

1





- ▲ MONITORING WELL (May 2005)
- ▲ PRIVATE WATER WELL
- ⊕ CPT BOREHOLE
- ⊕ HSA CALIBRATION BOREHOLE
- ⊕ SOIL BORING (April 2003 By Clayton)
- ⊕ ANGLED SOIL BORING (April 2003 By Clayton)

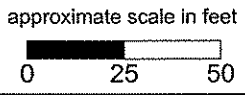


Figure 2: Location of Groundwater Monitoring Wells, HSA Calibration Borehole, and CPT Boreholes.

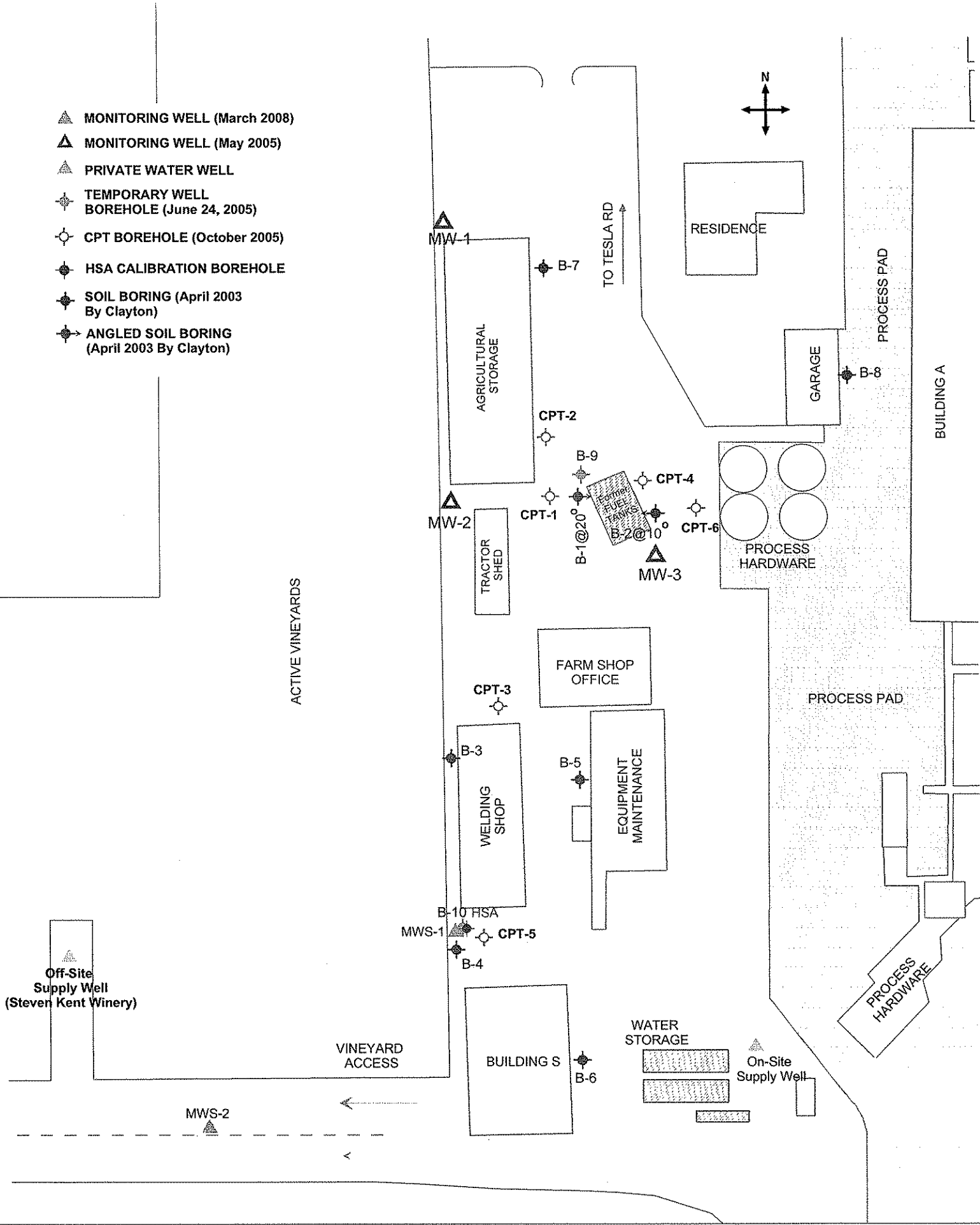
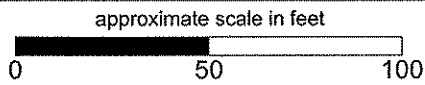
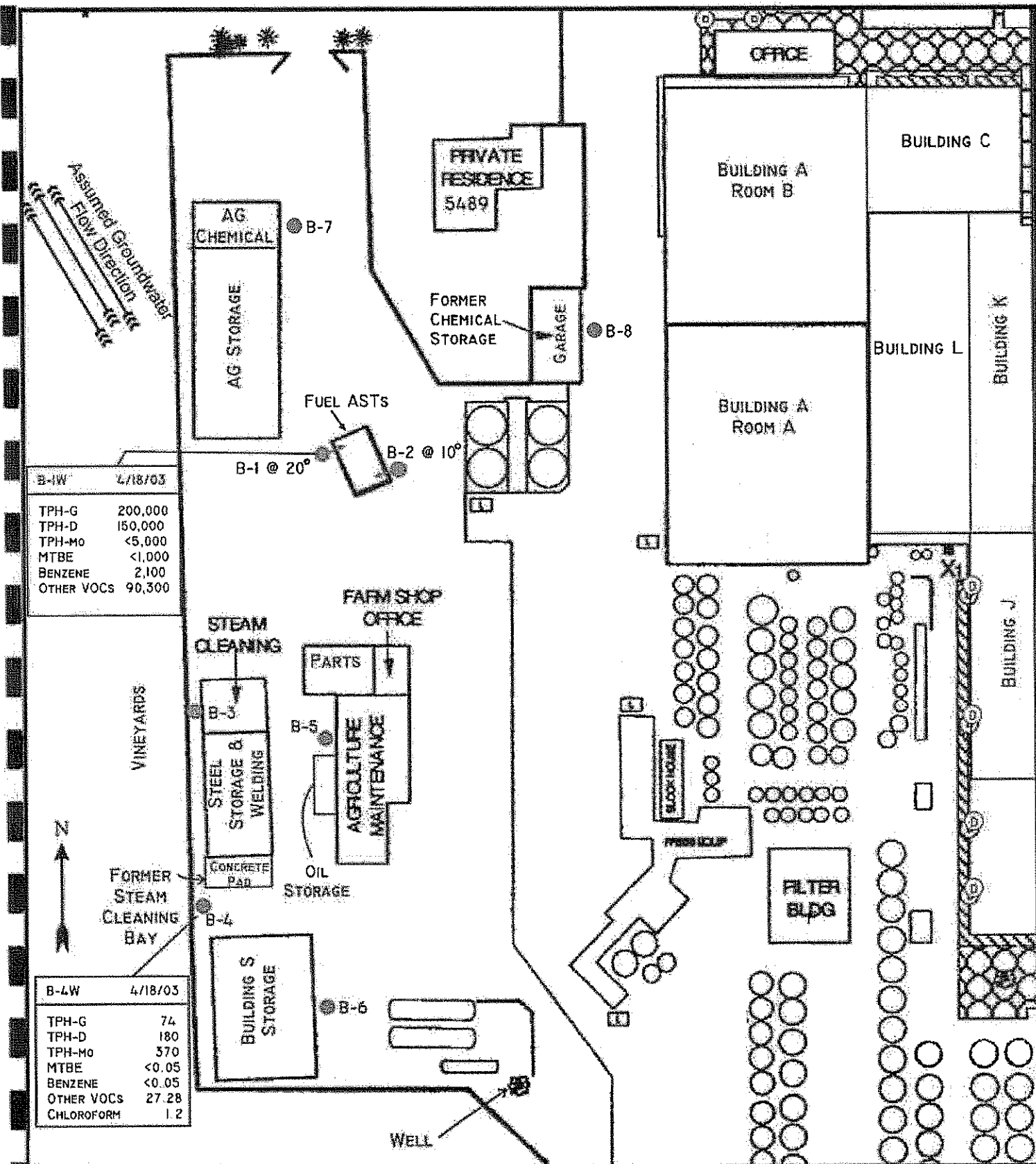


Figure 2: Site Map Showing the Locations of Monitoring Wells





LEGEND

- Soil Boring Vertical
 - ⊙ Angled Soil Boring Degrees from Vertical
- 1" = 55'
 SCALE

GROUNDWATER RESULTS - TPH and VOCs

Wente Winery
 5489 & 5565 Tesla Road
 Livermore, California
 Clayton Project No. 70-003412.01

FIGURE

2



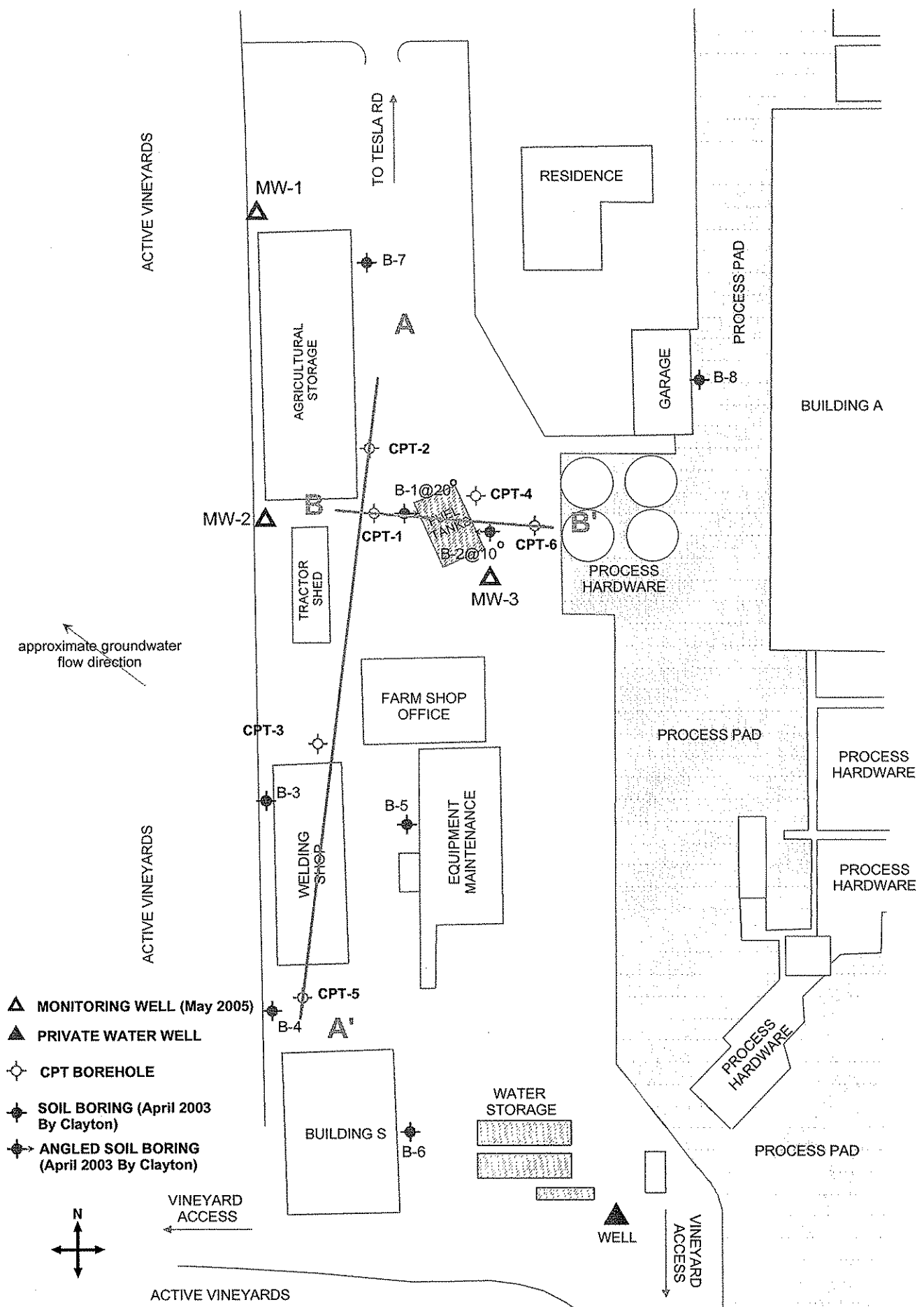
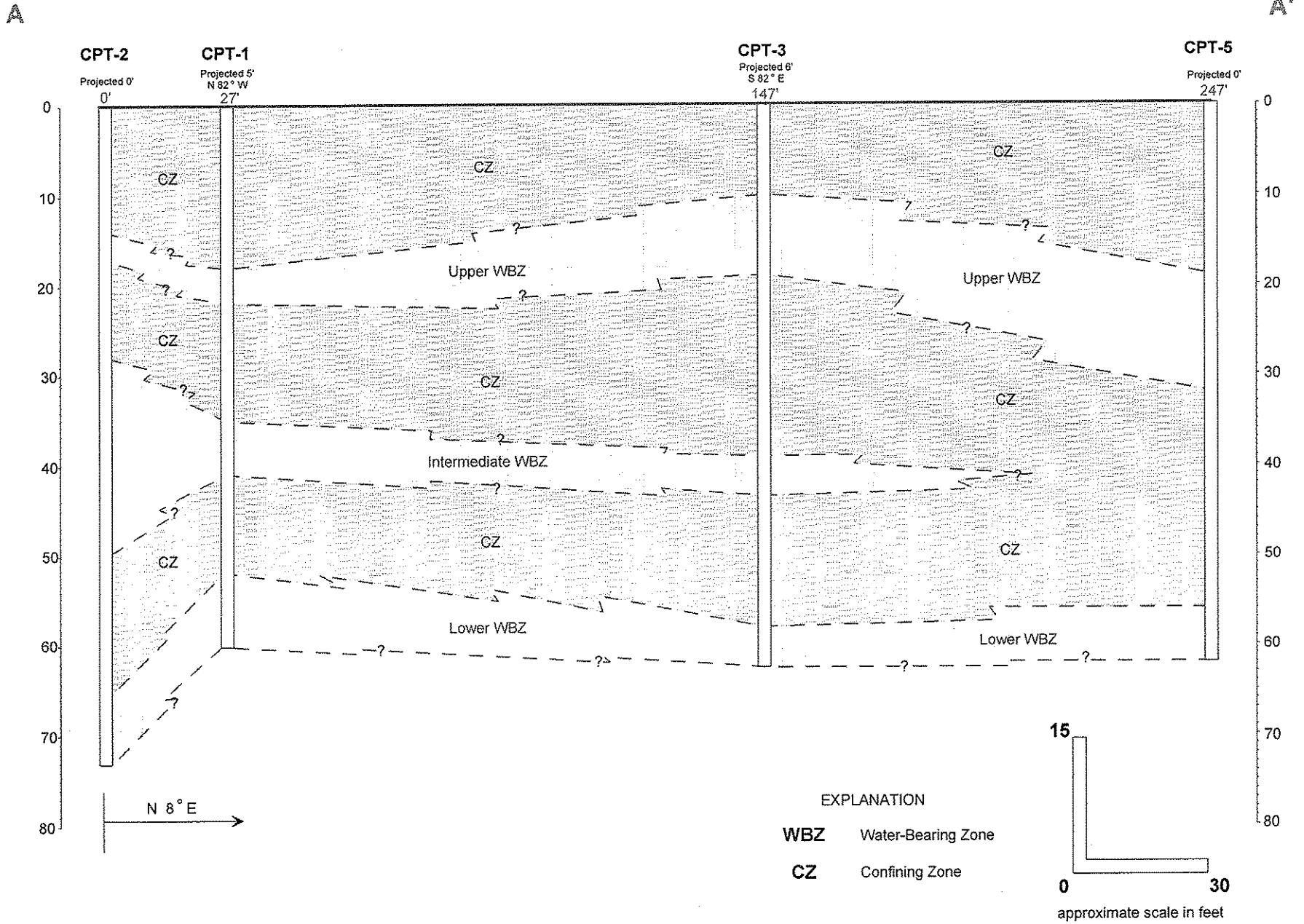


Figure 3: Location of Geologic Cross Sections A-A' and B-B'.



NOTE: Vertical exaggeration (30/15=2).

Figure 4: Geologic Cross Section A-A'.

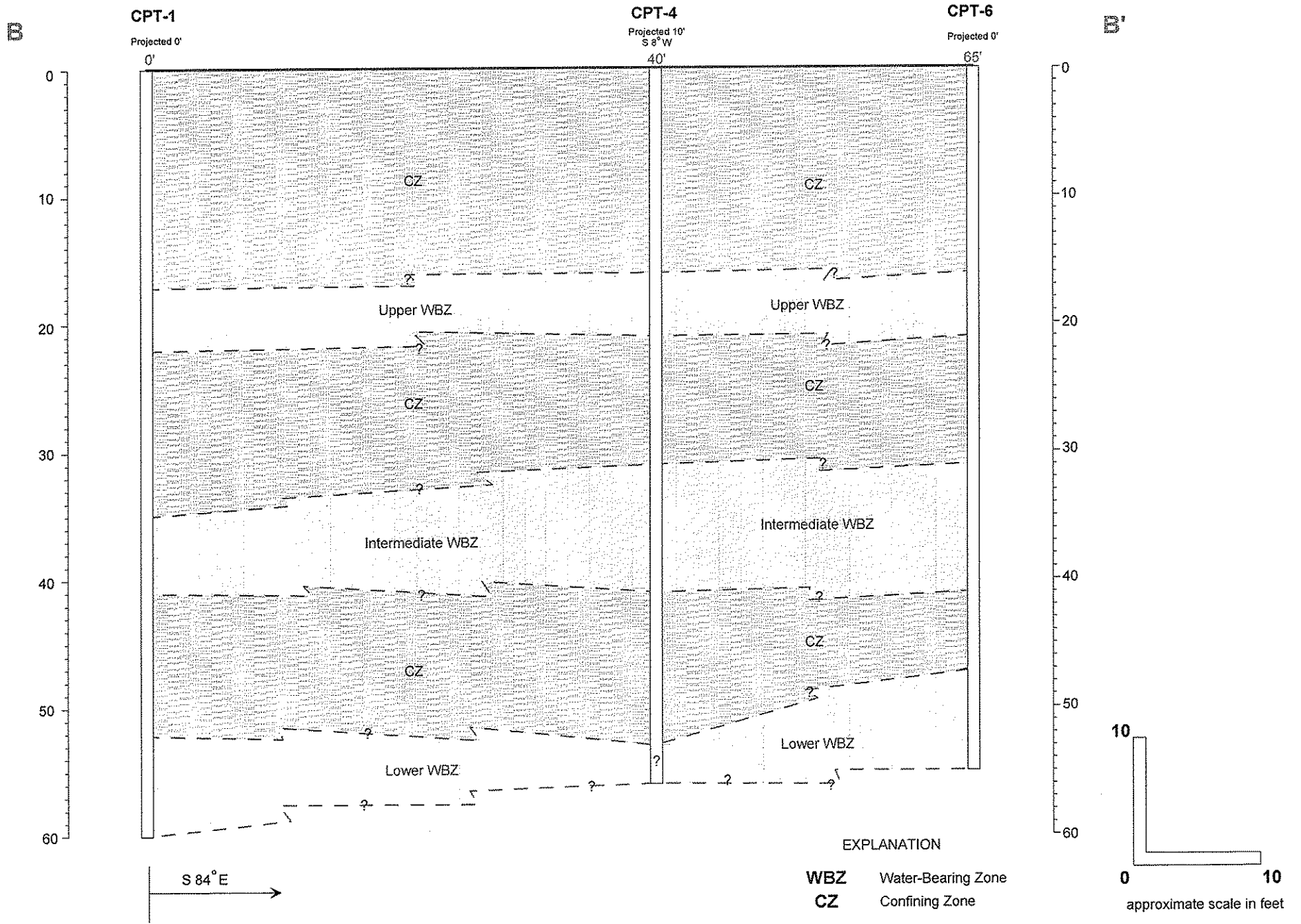
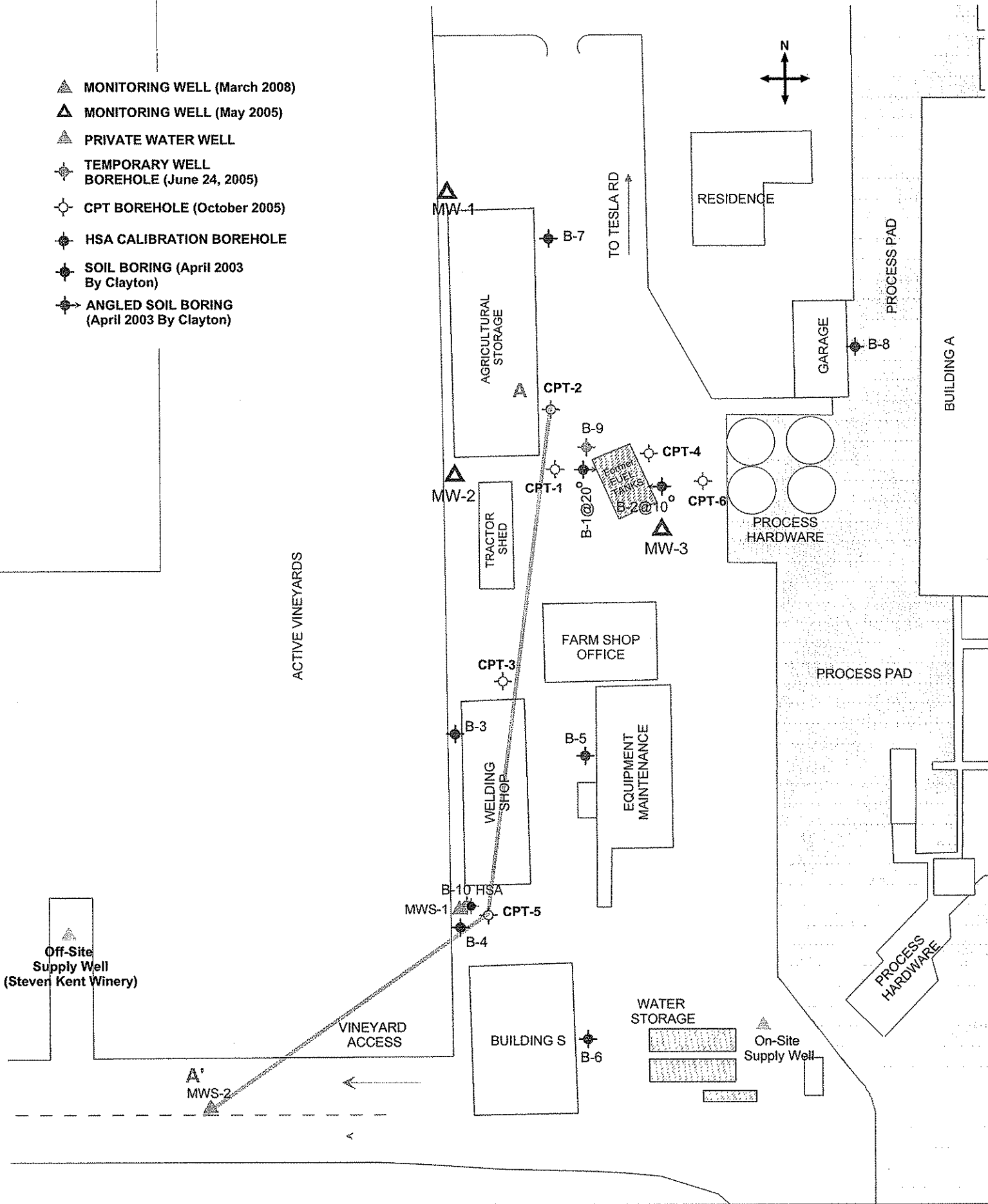


Figure 5: Geologic Cross Section B-B'.

- ▲ MONITORING WELL (March 2008)
- ▲ MONITORING WELL (May 2005)
- ▲ PRIVATE WATER WELL
- ⊕ TEMPORARY WELL BOREHOLE (June 24, 2005)
- ⊕ CPT BOREHOLE (October 2005)
- ⊕ HSA CALIBRATION BOREHOLE
- ⊕ SOIL BORING (April 2003 By Clayton)
- ⊕ ANGLLED SOIL BORING (April 2003 By Clayton)



approximate scale in feet

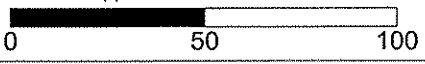


Figure 3: Site Map Showing Location of Cross-Section A-A'



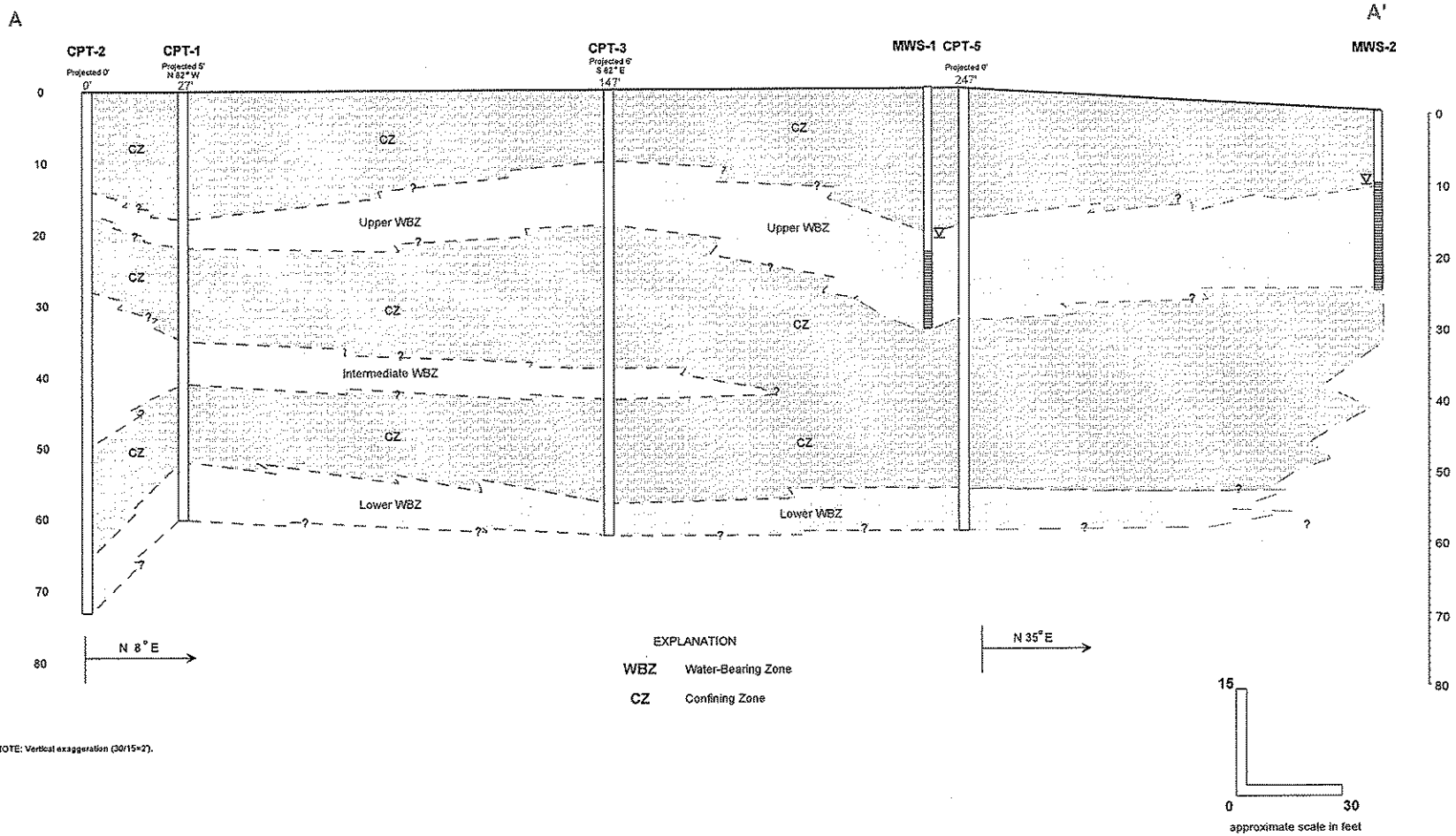
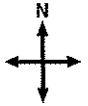


Figure 4: Geologic Cross Section A-A'.

ACTIVE VINEYARDS



FARM SHOP OFFICE

SV-9 CPT-3 HA-10 GS-1

B-3 Steam Cleaning HA-11

HA-9 SV-8

HA-8 Steel Storage & Welding

Oil Storage








EQUIPMENT MAINTENANCE

SV-7 Former Steam Cleaning Bay (Concrete Pad) HA-7 HA-1

SV-6 B-10 HA-6 CPT-5 SV-1 HA-5 SV-3 HA-3 SV-2 HA-2

GS-2 SV-5 HA-4 SV-4

BUILDING S

-  SOIL VAPOR SAMPLING LOCATION (October 9-10, 2006)
-  HAND AUGER LOCATION (October 10, 2006)
-  DISCRETE GROUNDWATER SAMPLING LOCATION (October 6, 2006)
-  CPT BOREHOLE (October 2005)
-  APPROXIMATE AREA OF THE FORMER UNLINED DRAINAGE DITCH
-  TEMPORARY WELL BOREHOLE (June 24, 2005)
-  SOIL BORING (April 2003 By Clayton)

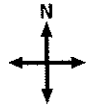
WATER STORAGE

ATTACHMENT 4

approximate scale in feet

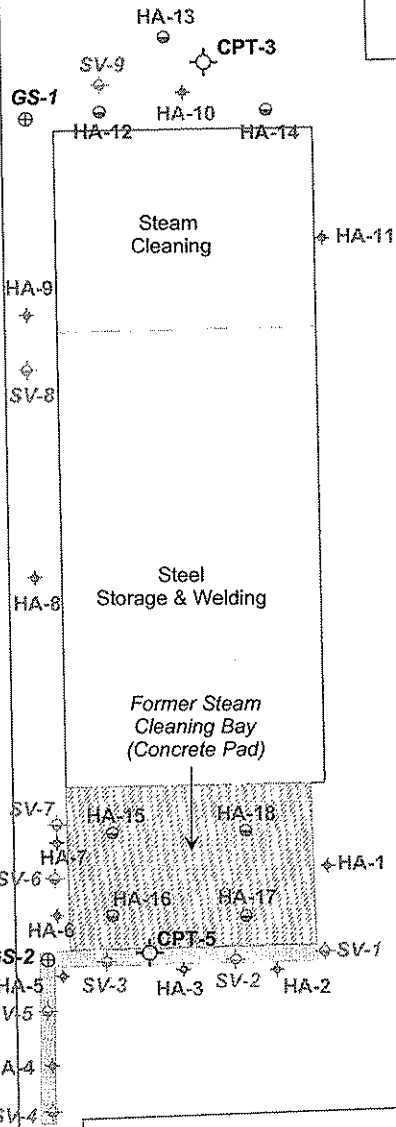


Figure 2: Site Map Showing Locations of Hand Auger, Soil Vapor, and Discrete Groundwater Sampling Boreholes



ACTIVE VINEYARDS

FARM SHOP OFFICE



- HAND AUGER LOCATION (February 6, 2007)
- SOIL VAPOR SAMPLING LOCATION (October 9-10, 2006)
- HAND AUGER LOCATION (October 10, 2006)
- DISCRETE GROUNDWATER SAMPLING LOCATION (October 6, 2006)
- CPT BOREHOLE (October 2005)

APPROXIMATE AREA OF THE FORMER UNLINED DRAINAGE DITCH

WATER STORAGE

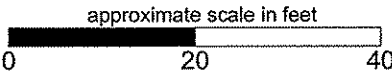
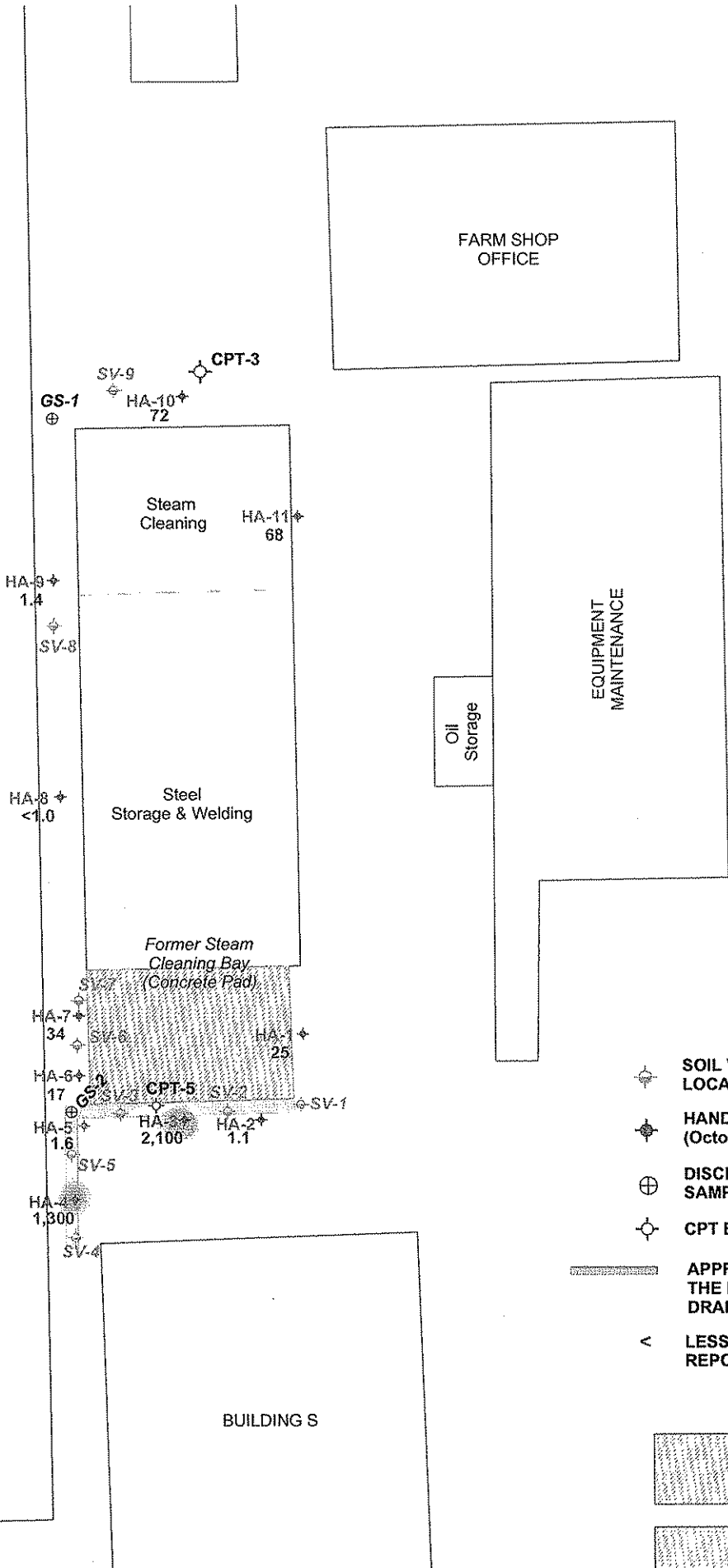
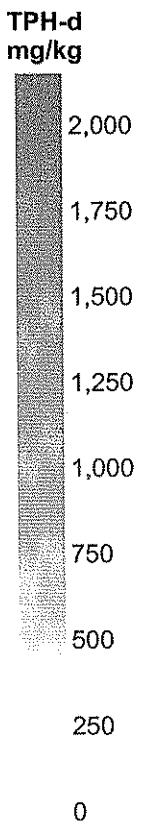








Figure 2: Site map showing the locations of soil borings

ACTIVE VINEYARDS



-  SOIL VAPOR SAMPLING LOCATION (October 9-10, 2006)
-  HAND AUGER LOCATION (October 10, 2006)
-  DISCRETE GROUNDWATER SAMPLING LOCATION (October 6, 2006)
-  CPT BOREHOLE (October 2005)
-  APPROXIMATE AREA OF THE FORMER UNLINED DRAINAGE DITCH
-  < LESS THAN LABORATORY REPORTING LIMIT

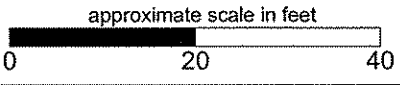
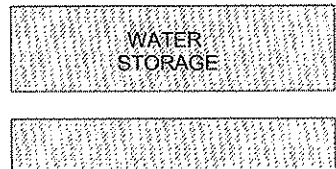
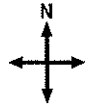


Figure 4: Contour Map Showing Soil Concentration of TPH-d at 1- to 1.5' bgs

Metals	ESL (Commercial/Industrial)	ESL (Residential)	Ambient Levels
Cadmium	7.4	1.7	NA
Chromium	58	58	73
Cobalt	10	10	15.9
Lead	750	150	NA
Nickel	150	150	NA



ACTIVE VINEYARDS

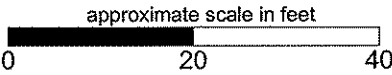
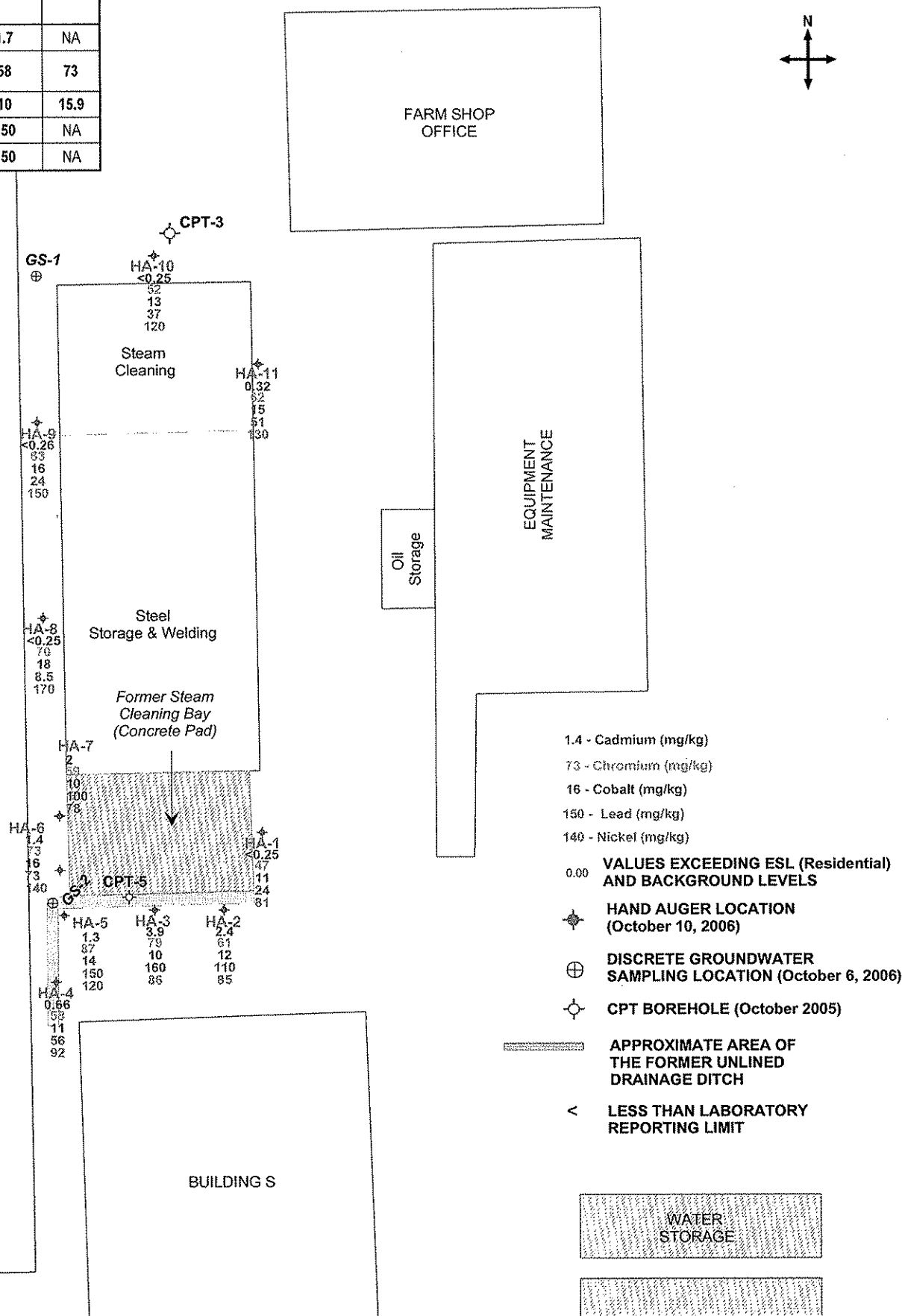
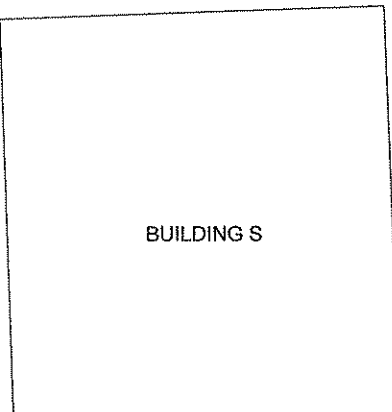
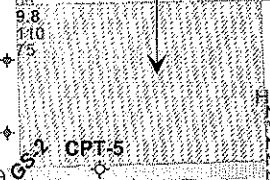
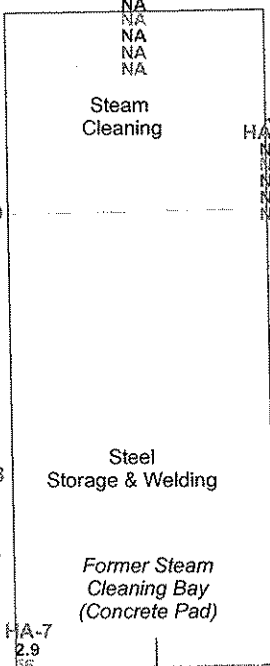
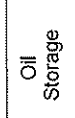
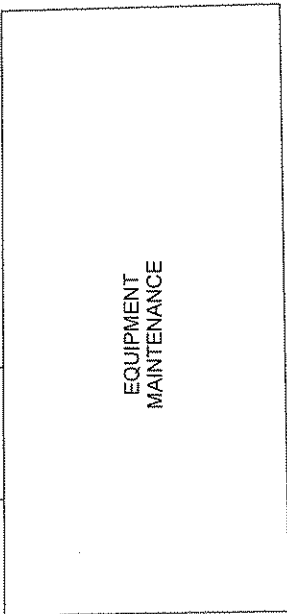
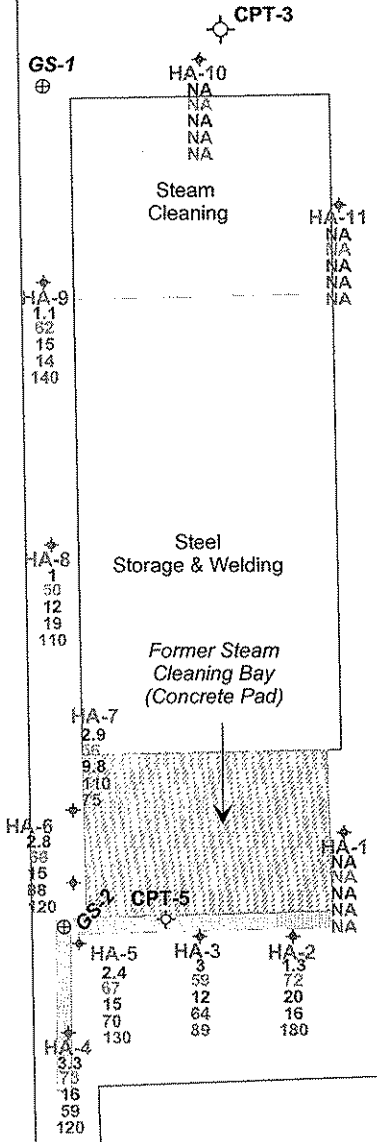


Figure 5: Map Showing Soil Concentration of Metals at 1- to 1.5' bgs

Metals	ESL (Commercial/Industrial)	ESL (Residential)	Ambient Levels
Cadmium	7.4	1.7	NA
Chromium	58	58	73
Cobalt	10	10	15.9
Lead	750	150	NA
Nickel	150	150	NA



ACTIVE VINEYARDS



- 1.4 - Cadmium (mg/kg)
- 73 - Chromium (mg/kg)
- 16 - Cobalt (mg/kg)
- 150 - Lead (mg/kg)
- 140 - Nickel (mg/kg)

0.00 VALUES EXCEEDING ESL (Residential) AND BACKGROUND LEVELS

- ✦ HAND AUGER LOCATION (October 10, 2006)
- ⊕ DISCRETE GROUNDWATER SAMPLING LOCATION (October 6, 2006)
- ⊙ CPT BOREHOLE (October 2005)

- APPROXIMATE AREA OF THE FORMER UNLINED DRAINAGE DITCH
- < LESS THAN LABORATORY REPORTING LIMIT

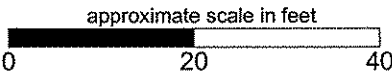
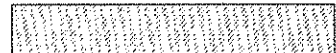
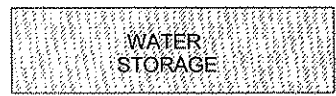
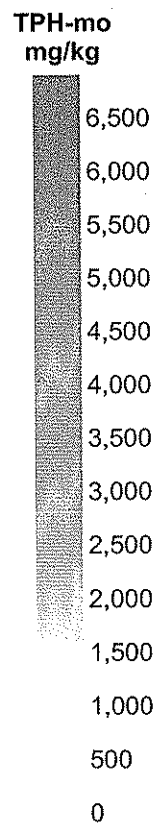








Figure 6: Contour Map Showing Soil Concentration of Metals at 3- to 3.5' bgs

ACTIVE VINEYARDS



-  SOIL VAPOR SAMPLING LOCATION (October 9-10, 2006)
-  HAND AUGER LOCATION (October 10, 2006)
-  DISCRETE GROUNDWATER SAMPLING LOCATION (October 6, 2006)
-  CPT BOREHOLE (October 2005)
-  APPROXIMATE AREA OF THE FORMER UNLINED DRAINAGE DITCH
-  LESS THAN LABORATORY REPORTING LIMIT

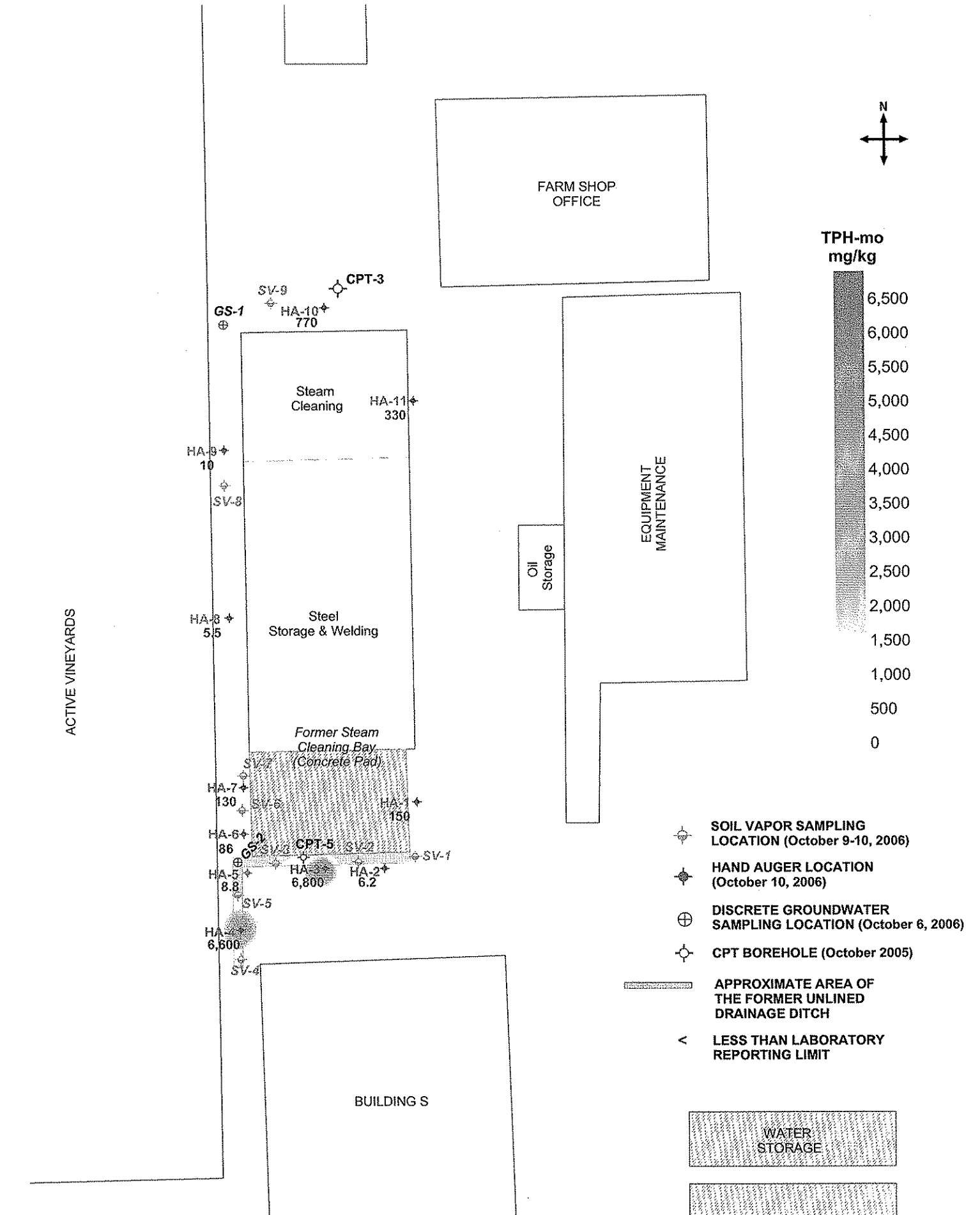
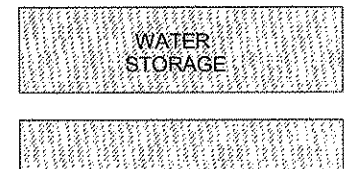


Figure 3: Contour Map Showing Soil Concentration of TPH-mo at 1- to 1.5' bgs

Element	ESL (Commercial/Industrial)	ESL (Residential)	Ambient Levels
Cadmium	7.4	1.7	NA
Chromium	58	58	73
Cobalt	10	10	15.9
Lead	750	150	NA
Nickel	150	150	NA

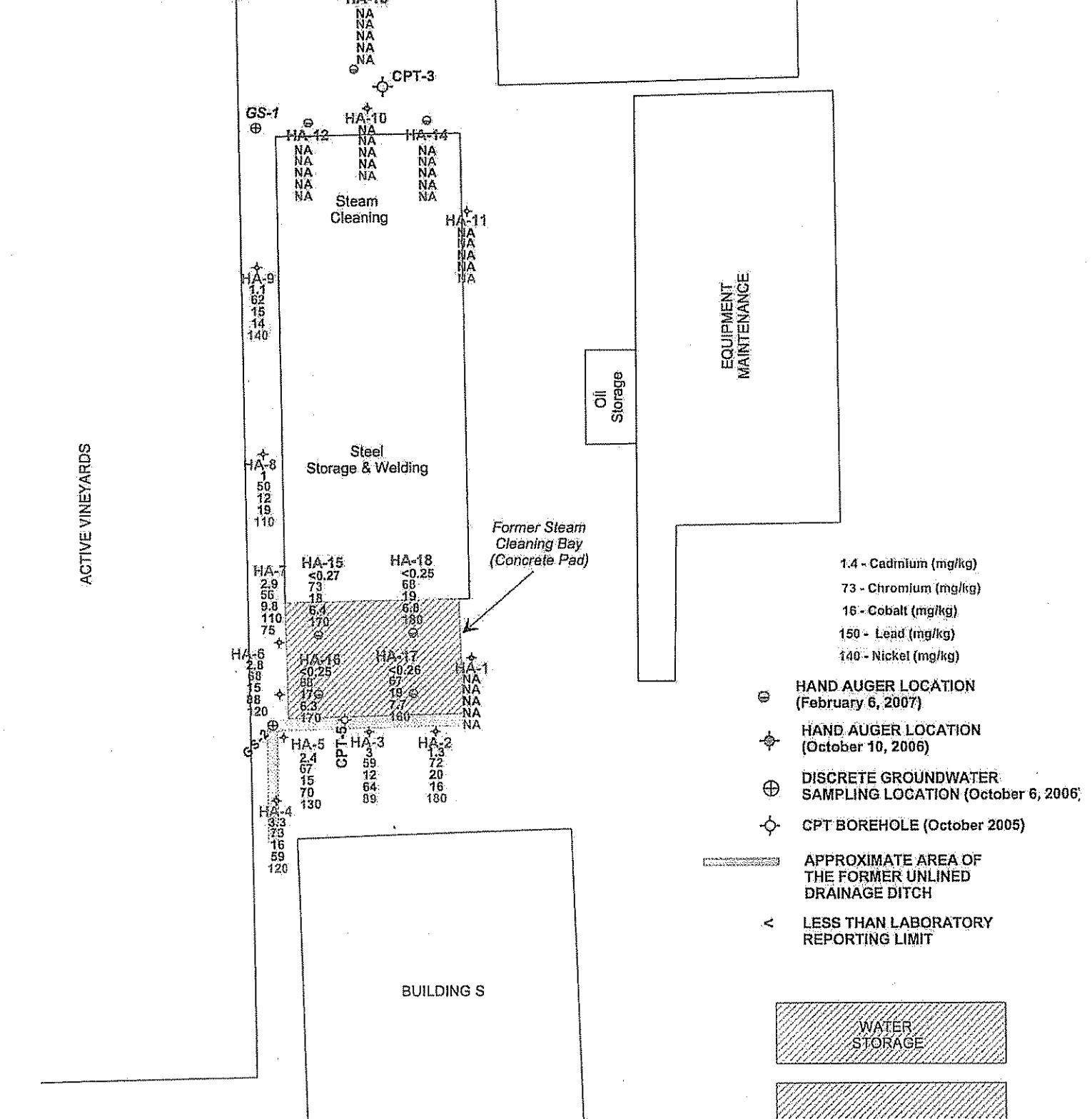
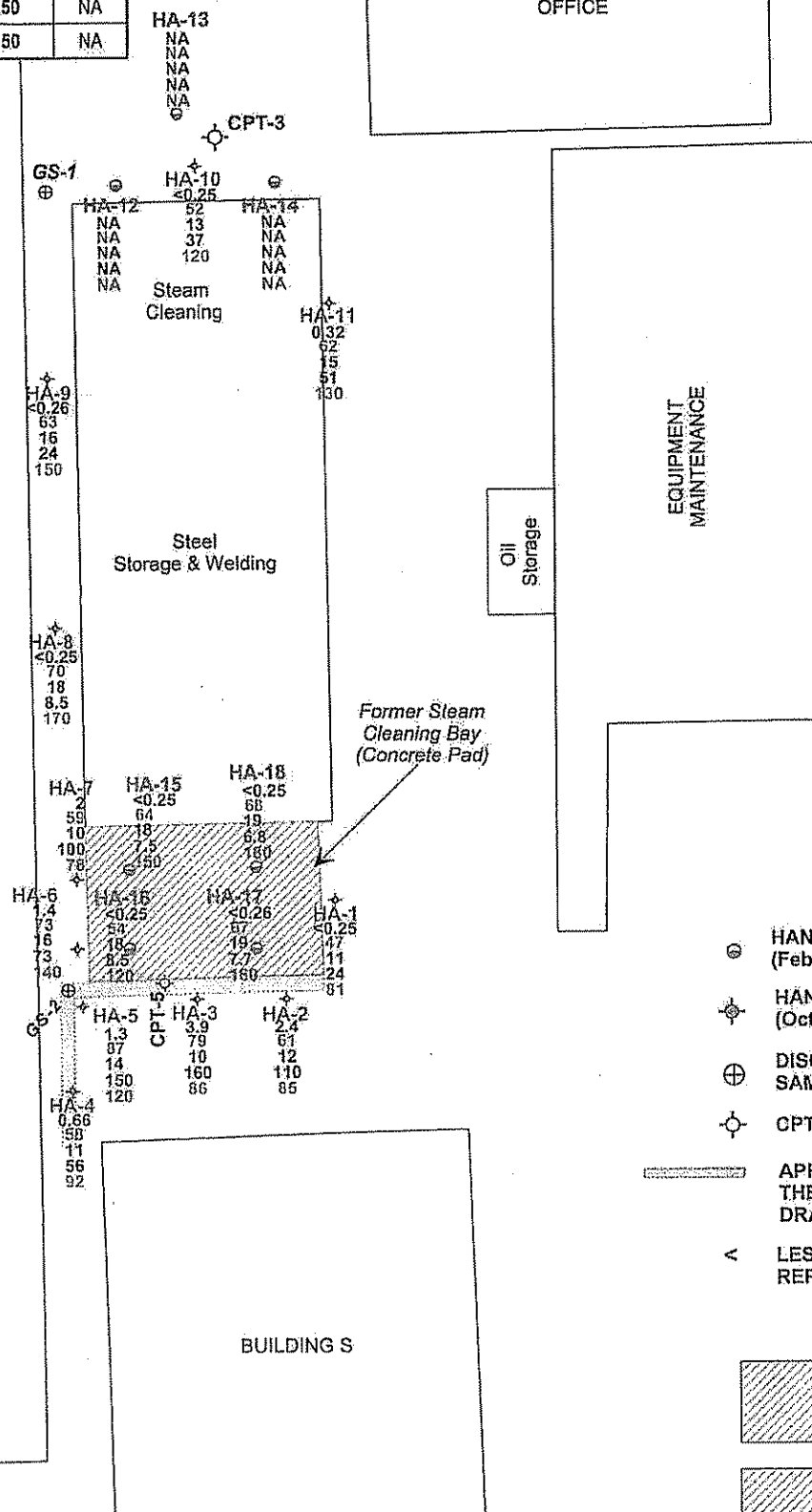


Figure 6: Contour Map Showing Soil Concentration of Metals at 3- to 3.5' bgs

Element	ESL (Commercial/Industrial)	ESL (Residential)	Ambient Levels
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Cobalt	10	10	15.9
Lead	750	150	NA
Nickel	150	150	NA



ACTIVE VINEYARDS



- 1.4 - Cadmium (mg/kg)
- 73 - Chromium (mg/kg)
- 16 - Cobalt (mg/kg)
- 150 - Lead (mg/kg)
- 140 - Nickel (mg/kg)

- ⊙ HAND AUGER LOCATION (February 6, 2007)
- ⊕ HAND AUGER LOCATION (October 10, 2006)
- ⊕ DISCRETE GROUNDWATER SAMPLING LOCATION (October 6, 2006)
- ⊙ CPT BOREHOLE (October 2005)
- APPROXIMATE AREA OF THE FORMER UNLINED DRAINAGE DITCH
- < LESS THAN LABORATORY REPORTING LIMIT

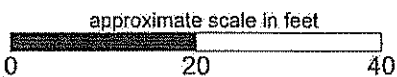
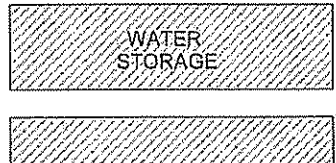


Figure 5: Map Showing Soil Concentration of Metals at 1- to 1.5' bgs

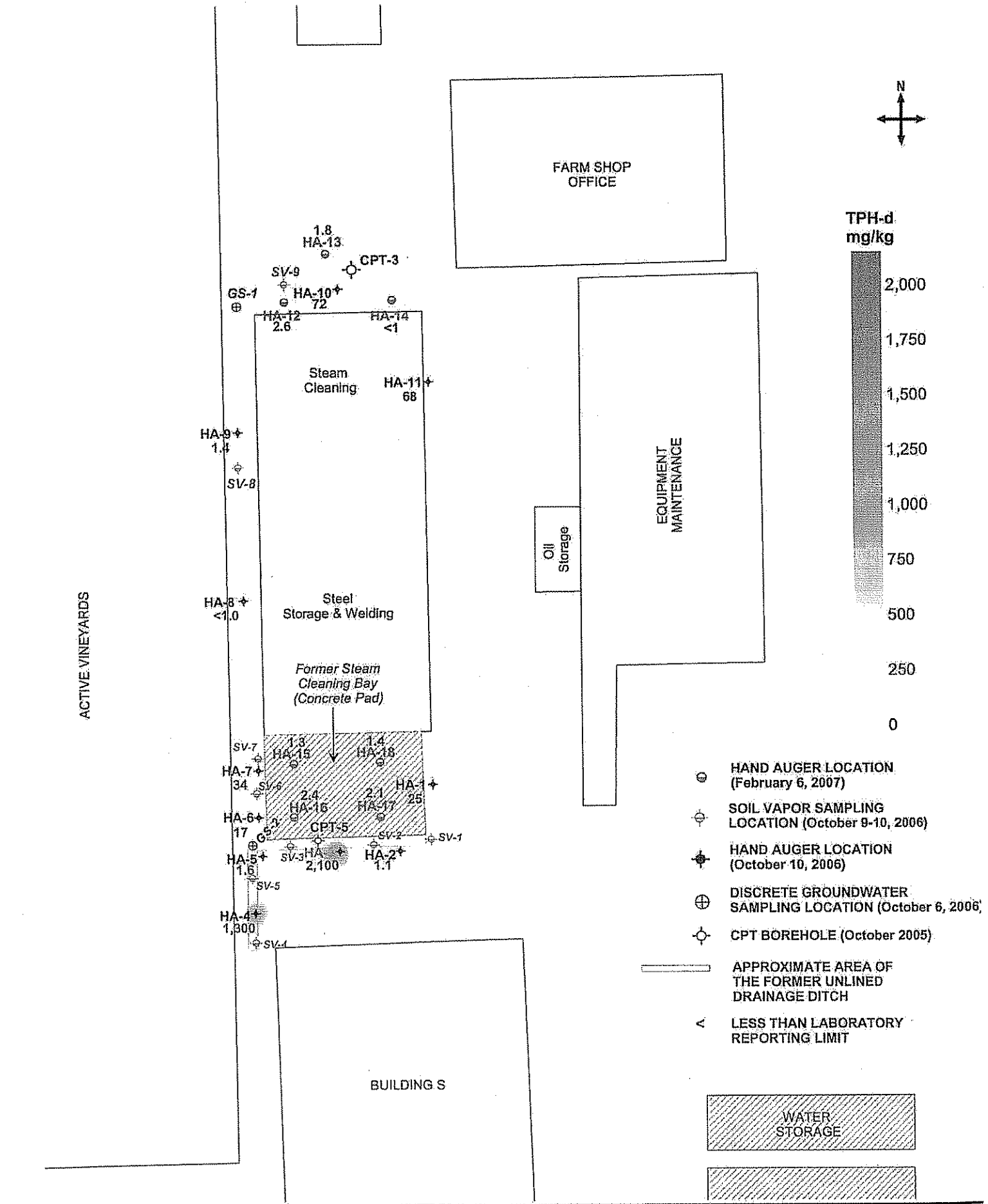
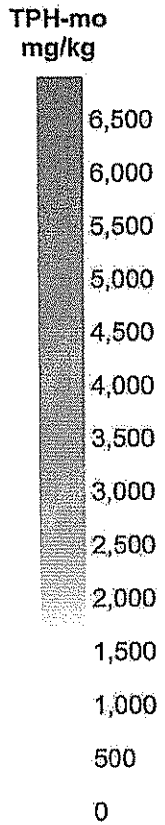
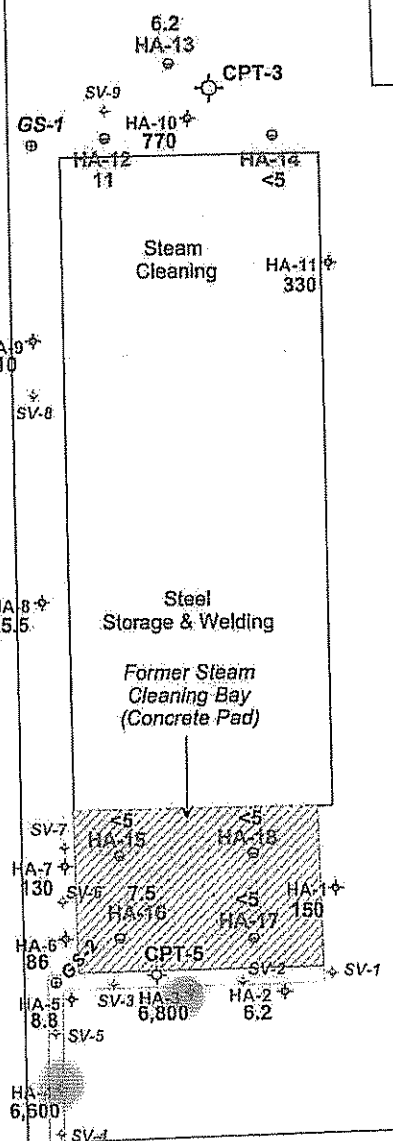
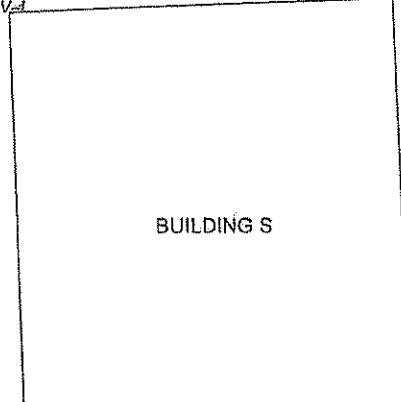
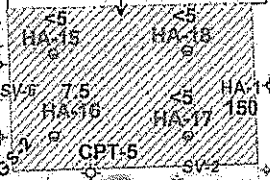
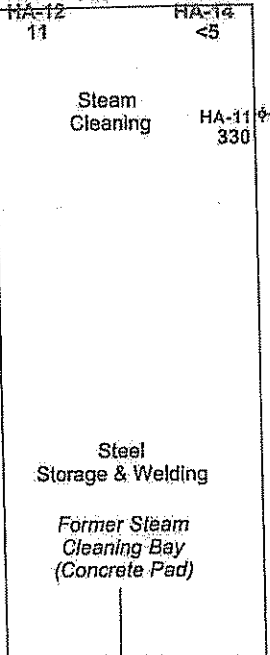
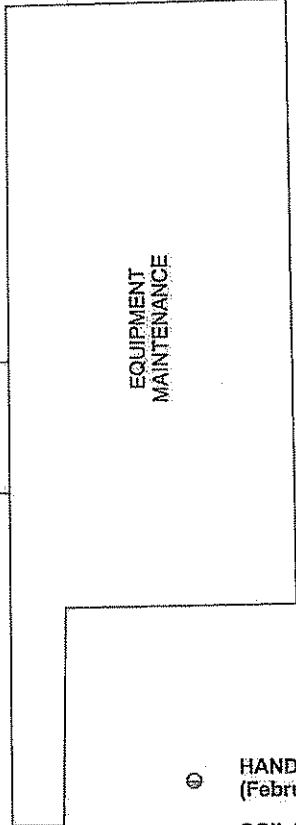
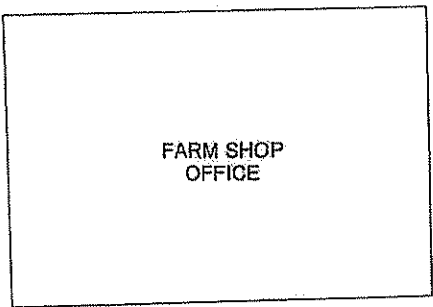


Figure 4: Contour Map Showing Soil Concentration of TPH-d at 1- to 1.5' bgs



ACTIVE VINEYARDS



- HAND AUGER LOCATION (February 6, 2007)
- ⊕ SOIL VAPOR SAMPLING LOCATION (October 9-10, 2006)
- ⊕ HAND AUGER LOCATION (October 10, 2006)
- ⊕ DISCRETE GROUNDWATER SAMPLING LOCATION (October 6, 2006)
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- APPROXIMATE AREA OF THE FORMER UNLINED DRAINAGE DITCH
- < LESS THAN LABORATORY REPORTING LIMIT

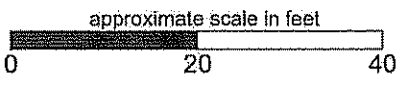
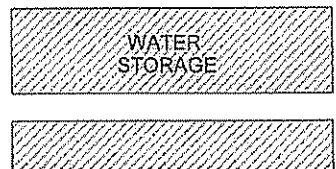


Figure 3: Contour Map Showing Soil Concentration of TPH-mo at 1- to 1.5' bgs

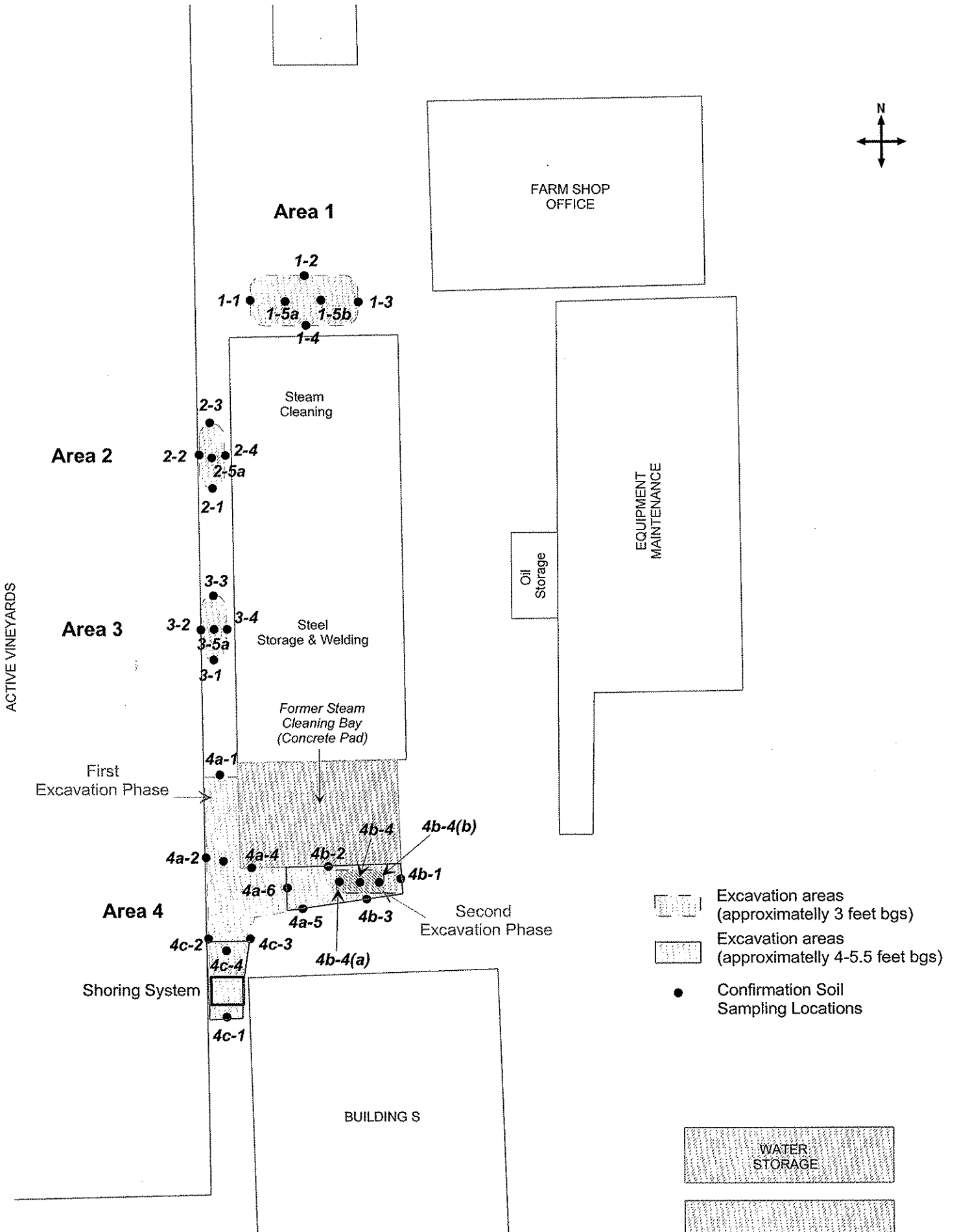


Figure 3: Site map showing the locations of remedial soil excavation and soil confirmation samples

Table 2
Summary of Soil Analytical Results: TPH, VOCs, and Metals
Wente Winery, Livermore, CA

Analytical Method	Analyte	Units	Sample ID, Depth (Feet), & Date								RBSLs Industrial
			B-1 7.5-8'	B-2 7.5-8'	B-3 0.5-1'	B-3 3.5-4'	B-4 0.5-1'	B-4 7.5-8'	B-5 0.5-1'	B-5 3.5-4'	
			4/18/03	4/18/03	4/18/03	4/18/03	4/18/03	4/18/03	4/18/03	4/18/03	
Total Petroleum Hydrocarbons (EPA 8015M)	TPH-Gasoline	mg/Kg	24	<1.0	<1.0	--	<1.0	--	1.2	--	100
	TPH-Diesel	mg/Kg	44	1.7	<1.0	--	<1.0	--	33	--	100
	TPH-Motor Oil	mg/Kg	<5.0	7.5	<5.0	--	<5.0	--	190	--	1000
Volatile Organic Compounds (EPA 8260B)	MTBE	ug/Kg	<100	<5.0	--	<5.0	--	<5.0	--	<5.0	28
	Benzene	ug/Kg	<100	<5.0	--	<5.0	--	<5.0	--	<5.0	45
	Toluene	ug/Kg	<100	<5.0	--	<5.0	--	<5.0	--	<5.0	2.6
	Ethylbenzene	ug/Kg	140	<5.0	--	<5.0	--	<5.0	--	<5.0	2,500
	Xylenes	ug/Kg	210	<5.0	--	<5.0	--	<5.0	--	<5.0	1.0
	Naphthalene	ug/Kg	560	<5.0	--	<5.0	--	<5.0	--	<5.0	4.3
	1,2,4-Trimethylbenzene	ug/Kg	3,400	<5.0	--	<5.0	--	<5.0	--	<5.0	NE
	sec-Butyl benzene	ug/Kg	150	<5.0	--	<5.0	--	<5.0	--	<5.0	NE
	Isopropylbenzene	ug/Kg	100	<5.0	--	<5.0	--	<5.0	--	<5.0	NE
	n-Propyl benzene	ug/Kg	610	<5.0	--	<5.0	--	<5.0	--	<5.0	NE
1,3,5-Trimethylbenzene	ug/Kg	1,300	<5.0	--	<5.0	--	<5.0	--	<5.0	NE	
LUFT Total Metals (SW Series 6000, 7010)	Cadmium	mg/Kg	--	--	<0.5	--	<0.5	--	<0.5	--	12
	Chromium	mg/Kg	--	--	69	--	60	--	52	--	750
	Lead	mg/Kg	--	--	7.9	--	8.0	--	41.0	--	750
	Nickel	mg/Kg	--	--	180	--	160	--	150	--	150
	Zinc	mg/Kg	--	--	99	--	54	--	57	--	600

Notes:

ug/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

-- = Not analyzed

<x = Analyte not detected at or above detection limit of x.

RBSLs = Risk Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater, RWQCB, Interim Final - December 2001, Table A.

NE = Not established

Table 3
Summary of Soil Analytical Results: Pesticides, Herbicides and Metals
Wente Winery, Livermore, CA

Analytical Method	Analyte	Units	Sample ID & Date		RBSLs Industrial
			Comp1345 4/18/03	Comp6789 4/18/03	
Organochlorine Pesticides (EPA 3080)	a-Chlordane	ug/Kg	<1.0	6.2	2,900
	g-Chlordane	ug/Kg	<1.0	6.8	2,900
	p,p-DDD	ug/Kg	1.4	<5.0	17,000
	p,p-DDE	ug/Kg	3.3	<5.0	4,000
	p,p-DDT	ug/Kg	8.8	<5.0	4,000
Organophosphorus Pesticides (EPA 3081)	Herbicides	ug/Kg	ND	ND*	NE
Chlorinated Organic Herbicides (EPA 8151)	Herbicides	ug/Kg	ND*	ND*	NE
Total Metals (SW Series 7010)	Arsenic	mg/Kg	--	<2.5	2.7
	Lead	mg/Kg	--	9.4	750

Notes:

ug/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

<x = Analyte not detected at or above detection limit of x.

ND = No Analytes Detected.

ND* = No analytes detected; however, elevated detection levels due to sample dilution

-- = Not analyzed

RBSLs = Risk Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater, RWQCB, Interim Final - December 2001

Table A.

NE = Not established

Table 2
Soil Analytical Results
5565 Tesla Rd, Livermore CA

Sample Location	Date	TPH-g (µg/Kg)	TPH-d (mg/Kg)	TPH-mo (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl- benzene (µg/Kg)	Total Xylenes (µg/Kg)	MIBE (µg/Kg) EPA 8260B
MW-1 (8.5'-9')	May 5, 2005	<224	<0.99	<5.0	<0.560	<0.560	<0.560	<1.12	<0.560
MW-2 (7.5'-8')	May 5, 2005	<222	2.7 ^{H,Y}	7.1	<0.555	<0.555	<0.555	<1.11	<0.555
MW-3 (6.5'-7')	May 5, 2005	<222	<0.99	<5.0	<0.555	<0.555	<0.555	<1.11	<0.555
B-9 (12.5'-13')	June 24, 2005	232,000	98 ^Y	6.6 ^Z	<21.5	<86.0	2,600	8170	28.0

Notes:

< : Not detected above laboratory reporting limit.

H = Heavier hydrocarbons contributed to the quantitation.

Y = Sample exhibits chromatographic pattern which does not resemble standard.

Z = Sample exhibits unknown single peak or peaks.

L = Lighter hydrocarbons contributed to the quantitation.

Table 2
Soil Analytical Results (TPH)
Wente Vineyards
5565 Tesla Road, Livermore, California

Sample ID	Sampling Depth (ft bgs)	TPH-g mg/kg	TPH-d mg/kg	TPH-mo mg/kg
HA-1A	1-1.5'	<0.96	25 HY	150 H
HA-1B	3-3.5'	NA	7.0 HY	43
HA-2A	1-1.5'	<1	1.1 HY	6.2
HA-2B	3-3.5'	NA	NA	NA
HA-3A	1-1.5'	<0.99	2,100 HY	6,800 H
HA-3B	3-3.5'	NA	<1.0	<5.0
HA-4A	1-1.5'	<1.1	1,300 HY	6,600 H
HA-4B	3-3.5'	NA	50 HY	250
HA-5A	1-1.5'	<1	1.6 HY	8.8
HA-5B	3-3.5'	NA	NA	NA
HA-6A	1-1.5'	<1	17 HY	86 H
HA-6B	3-3.5'	NA	2.7 HY	19
HA-7A	1-1.5'	<1	34 HY	130 H
HA-7B	3-3.5'	NA	85 HY	320
HA-8A	1-1.5'	<1	<1.0	5.5
HA-8B	3-3.5'	NA	NA	NA
HA-9A	1-1.5'	<1	1.4 HY	10
HA-9B	3-3.5'	NA	NA	NA
HA-10A	1-1.5'	<1	72 HY	770 H
HA-10B	3-3.5'	NA	<1.0	<5.0
HA -11A	1-1.5'	<0.94	68 HY	330 H
HA -11B	3-3.5'	NA	4.2 HY	27
HA-11D(A)*	1-1.5'	<0.94	42 HY	230 H
HA-11D(B)*	3-3.5'	NA	<0.99	5.5
ESL (Commercial/Industrial)		100	100	1,000
ESL (Residential)		100	100	500

Notes:

H: Heavier hydrocarbons contributed to the quantitation

Y= Sample exhibits chromatographic pattern which does not resemble standard

ESL- Environmental Screening Levels (Groundwater is current or potential drinking water source, shallow soils <= 3m bgs), California Regional Water Quality Control Board SF Region, February 2005

< Less than Laboratory Reporting Limit

A Samples- Collected at 1- to 1.5 ft sampling depth

B Samples- Collected at 3- to 3.5- sampling depth

* Samples HA-11D(A) and HA-11D(B) are duplicate samples collected at the location of soil boring HA-11

Table 3
Soil Analytical Results (Volatile Organics)
Wente Vineyards
5565 Tesla Road, Livermore, California

Sample ID	Sampling Depth (ft bgs)	MTBE ug/kg	Benzene ug/kg	Toluene ug/kg	Ethylbenzene ug/kg	m,p-Xylenes ug/kg	o-Xylene ug/kg	Tetrahydrofuran ug/kg	Chloroethane ug/kg
HA-1A	1-1.5'	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<9.8
HA-2A	1-1.5'	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<45	<9.1
HA-3A	1-1.5'	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<47	<9.4
HA-4A	1-1.5'	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<9.8
HA-5A	1-1.5'	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<45	<8.9
HA-6A	1-1.5'	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<9.8
HA-7A	1-1.5'	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<10
HA-8A	1-1.5'	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<46	<9.3
HA-9A	1-1.5'	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<47	<9.4
HA-10A	1-1.5'	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<46	<9.3
HA-10B	3-3.5'	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<45	<9.1
HA-11A	1-1.5'	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<45	<9.1
HA-11D(A)	1-1.5'	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<46	<9.3
ESL (Commercial/Industrial)		23	44	2,900	3,300	2,300	2,300	NL*/ (PRG=21,000)	850
ESL (Residential)		23	44	2,900	3,300	2,300	2,300	NL*/ (PRG=9,400)	630

Notes:

ESL- Environmental Screening Levels (Groundwater is current or potential drinking water source, shallow soils <= 3m bgs), California Regional Water Quality Control Board SF Region, February 2005

PRG- Preliminary Remediation Goal (EPA Region 9)

NL*- ESL not available

< Less than Laboratory Reporting Limit

"A" Samples- Collected at 1- to 1.5 ft sampling depth

"B" Samples- Collected at 3- to 3.5- sampling depth

Table 1
Soil Analytical Results (TPH)
Wente Vineyards
5565 Tesla Road, Livermore, California

EPA Method			8015B	8260B	8260B	8260B
Sample ID	Sampling Date	Approximate Sampling Depth (ft bgs)	TPH-d mg/kg	TPH-g mg/kg	Tetrahydrofuran mg/kg	Methylene Chloride mg/kg
MWS-1-5	3/12/2008	5.00	<0.99	<0.24	<0.0097	<9.9
MWS-1-10	3/12/2008	10.00	<0.99	<0.24	<0.0096	<9.9
MWS-1-15	3/12/2008	15.00	<1.0	<0.24	<0.0097	<9.9
MWS-1-30	3/12/2008	30.00	<1.0	<0.24	<0.0098	<9.4
MWS-1-35	3/12/2008	35.00	<0.99	<0.23	<0.0091	<9.3
MWS-2-9	3/12/2008	9.00	<1.0	<0.23	<0.0092	<9.3
MWS-2-15	3/12/2008	15.00	<0.99	<0.25	<0.0099	<9.8
MWS-2-20	3/12/2008	20.00	<0.99	<0.23	<0.0093	<9.8
ESL (Commercial/Industrial)			100	1,000	21*	1000
ESL (Residential)			100	500	9.4*	500

Notes:

ESL- Environmental Screening Levels (Groundwater is current or potential drinking water source, shallow soils <= 3m bgs), California Regional Water Quality Control Board SF Region, February 2005

< Less than Laboratory Reporting Limit

*PRG Table, Region 9

Table 2
Soil Analytical Results (Metals CAM 17)
Wente Vineyards
5565 Tesla Road, Livermore, California

Sampling Depth (ft bgs)	Sampling Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MWS-1-5	3/12/2008	3.2	4.8	180	0.54	<0.51	81	20	34	7.7	<0.053	<1.0	200	<2.0	<1.0	<1.0	33	44
MW-1-10	3/12/2008	<2.0	4.7	300	0.51	<0.49	81	20	35	7.8	<0.049	<0.98	200	<2.0	<0.98	<0.98	32	46
MWS-1-15	3/12/2008	<2.0	4.8	160	<0.51	<0.51	55	17	28	6.3	0.11	<1.0	110	<2.0	<1.0	<1.0	29	44
MWS-1-30	3/12/2008	<1.9	2.9	72	<0.48	<0.48	37	9.6	17	3.5	<0.052	<0.96	92	<1.9	<0.96	<0.96	19	30
MWS-1-35	3/12/2008	<2.0	3.3	92	<0.5	<0.5	37	8.7	18	4.5	<0.051	<0.99	90	<2.0	<0.99	<0.99	17	36
MWS-2-9	3/12/2008	<2.0	3.5	110	<0.49	<0.49	80	15	27	4.2	<0.050	8.2	200	<2.0	<0.98	<0.98	23	33
MWS-2-15	3/12/2008	<1.9	5.8	140	<0.48	<0.48	63	17	36	6.8	0.093	<0.95	140	<1.9	<0.95	<0.95	28	46
MWS-2-20	3/12/2008	<2.0	4.8	130	<0.50	<0.50	58	16	33	6.7	0.074	<0.99	130	<2.0	<0.99	<0.99	26	42
ESL (Commercial/Industrial)		40	6.5	1,500	8	7.4	58	10	230	750	10	40	150	10	40	13	200	600
ESL (Residential)		6.1	5.5	750	4	1.7	58	10	230	150	3.7	40	150	10	20	1	110	600
CHHSLs (Commercial/Industrial)		380	0.24	63,000	1,700	7.5	NL	3,200	38,000	3,500	180	4,800	16,000	4,800	4,800	63	6,700	100,000
CHHSLs (Residential)		30	0.07	5,200	150	1.7	NL	660	3,000	150	18	380	1,600	380	380	5	530	23,000
PRGs (Commercial/Industrial-Direct)		410	1.6	67,000	1,900	450	450	1,900	41,000	800	62	5,100	20,000	5,100	5,100	67	1,000	100,000
PRGs (Residential-Direct)		31	0.39	5,400	150	37	210	900	3,100	150	6.1	390	1,600	390	390	5.2	78	23,000
Ambient Levels*		NA	9.6	NA	NA	NA	73	15.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

ESL- Environmental Screening Levels (Groundwater is current or potential drinking water source, shallow soils <= 3m bgs), California Regional Water Quality Control Board SF Region, February 2005

PRG- Preliminary Remediation Goal (EPA Region 9)

CHHSLs- California Human Health Screening Levels, CalEPA January 2005

< Less than Laboratory Reporting Limit

* Kearney Foundation Special Report

Table 1
Soil Analytical Results (TPH)
Wente Vineyards
5565 Tesla Road, Livermore, California

Sample ID	Sampling Date	Approximate Sampling Depth (ft bgs)	TPH-d mg/kg	TPH-mo mg/kg
1-1	9/14/2007	2.00	11 HY	100 H
1-2	9/14/2007	2.00	<0.99	<5.0
1-3	9/14/2007	2.00	<1.0	<5.0
1-4	9/14/2007	2.00	<1.0	<5.0
1-5A	9/14/2007	3.00	4.5 HY	27 HL
2-1	9/14/2007	2.50	1.4 HY	11 H
2-2	9/14/2007	2.00	4.3 HY	33 H
2-3	9/14/2007	2.00	<1.0	9 H
2-4	9/14/2007	2.50	5.3 HY	29 H
2-5A	9/14/2007	3.00	4.4 HY	31 HL
3-1	9/14/2007	2.50	<0.99	5.8 H
3-2	9/14/2007	2.50	1.1 HY	9 H
3-3	9/14/2007	2.50	1.2 HY	13 H
3-4	9/14/2007	2.50	2.8 HY	18 H
3-5A	9/14/2007	3.00	1.3 HY	8.3 HL
4A-1	9/13/2007	3.00	<0.99	<5.0
4A-2	9/13/2007	3.00	<0.99	6.3
4A-3	9/13/2007	3.00	<0.99	<5.0
4A-4	9/13/2007	2.00	<1.0	<5.0
4A-5	9/14/2007	2.00	<1.0	6.2 H
4A-6	9/14/2007	3.00	28 HY	130 HL
4B-1	9/14/2007	3.50	67 HY	370 HL
4B-2	9/14/2007	3.00	<1.0	<5.0
4B-3	9/14/2007	3.00	<1.0	<5.0
4B-4	9/14/2007	5.00	290 HY	1,200 HL
4C-1	9/13/2007	4.00	<1.0	<5.0
4C-2	9/13/2007	3.00	1 HY	8.5 H
4C-3	9/13/2007	3.00	<0.99	5.5
4C-4	9/13/2007	3.00	81 HY	380 HL
ESL (Commercial/Industrial)			100	1,000
ESL (Residential)			100	500

Notes:

H= Heavier hydrocarbons contributed to the quantization

L= Lighter hydrocarbons contributed to the quantization

Y= Sample exhibits chromatographic pattern which does not resemble standard

ESL- Environmental Screening Levels (Groundwater is current or potential drinking water source, shallow soils <= 3m bgs), California Regional Water Quality Control Board SF Region, February 2005

< Less than Laboratory Reporting Limit

Please note sample 1-5B was not analyzed for TPH due to the fact that it was overlooked during the sample run, once recovered it was past the laboratory hold time. However the sample 1-5A, collected in a close proximity to the 1-5B exhibited only trace concentrations of TPH.

Table 4
Soil Analytical Results (Metals CAM 17)
Wente Vineyards
5565 Tesla Road, Livermore, California

Sample ID	Sampling Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
ESL (Commercial/Industrial)		40	5.5	1,500	8	7.4	58	10	230	750	10	40	150	10	40	13	200	600
ESL (Residential)		6.1	5.5	750	4	1.7	58	10	230	150	3.7	40	150	10	20	1	110	600
Ambient Levels*		NA	9.6	NA	NA	NA	73	15.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HA-1A	1-1.5'	<3	4.6	140	0.21	<0.25	47	11	28	24	0.04	1.2	81	<0.25	<0.25	<0.25	24	68
HA-1B	3-3.5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.023	NA	NA	NA	NA	NA	NA	NA
HA-2A	1-1.5'	<3	4.1	180	0.25	2.4	61	12	62	110	0.098	5	85	<0.25	<0.25	<0.25	31	160
HA-2B	3-3.5'	<3	3.3	230	0.38	1.3	72	20	37	16	0.034	<1	180	<0.26	<0.26	<0.26	33	57
HA-3A	1-1.5'	<3	3.6	170	0.23	3.9	79	10	77	160	0.14	12	86	<0.25	<0.25	<0.25	24	220
HA-3B	3-3.5'	<3	3.1	170	0.23	3	59	12	62	64	0.071	7.1	89	<0.25	0.25	<0.25	32	150
HA-4A	1-1.5'	<3	3.7	170	0.25	0.66	58	11	38	56	0.083	2	92	<0.25	<0.25	<0.25	26	130
HA-4B	3-3.5'	<3	4.9	230	0.38	3.3	73	16	82	59	0.084	6.1	120	<0.25	0.33	<0.25	38	290
HA-5A	1-1.5'	<3	3.8	190	0.3	1.3	87	14	49	150	0.09	1.9	120	<0.25	<0.25	<0.25	29	130
HA-5B	3-3.5'	<3	3.9	170	0.28	2.4	67	15	50	70	0.063	1.9	130	<0.25	<0.25	<0.25	31	130
HA-6A	1-1.5'	<3	5.1	340	0.33	1.4	73	16	57	73	0.046	2.2	140	<0.25	<0.25	<0.25	30	180
HA-6B	3-3.5'	<3	5.4	370	0.31	2.8	68	15	65	88	0.058	2.9	120	<0.25	<0.25	<0.25	33	220
HA-7A	1-1.5'	<3	7.4	200	0.25	2	59	10	57	100	0.051	6.2	78	<0.25	<0.25	<0.25	24	210
HA-7B	3-3.5'	<3	6.6	300	0.23	2.9	56	9.8	87	110	0.049	5.3	75	<0.25	<0.25	<0.25	26	210
HA-8A	1-1.5'	<3	3.3	240	0.36	<0.25	70	18	32	8.5	0.034	<1	170	<0.25	<0.25	<0.25	30	63
HA-8B	3-3.5'	<3	3.3	120	0.2	1	50	12	31	19	0.075	<1	110	<0.25	<0.25	<0.25	26	490
HA-9A	1-1.5'	<3	3.3	240	0.3	<0.26	63	16	35	24	0.054	1.1	150	<0.26	<0.26	<0.26	27	120

Table 4
Soil Analytical Results (Metals CAM 17)
Wente Vineyards
5565 Tesla Road, Livermore, California

Sample ID	Sampling Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
HA-9B	3-3.5'	<3	3.6	210	0.26	1.1	62	15	32	14	0.097	<1	140	<0.25	<0.25	<0.25	29	100	
HA -10A	1-1.5'	<3	2.9	140	0.23	<0.25	52	13	39	37	0.059	1.2	120	<0.25	<0.25	<0.25	24	82	
HA -10B	3-3.5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.038	NA	NA	NA	NA	NA	NA	NA	
HA -11A	1-1.5'	<3	3.3	210	0.27	0.33	60	12	49	41	0.045	2.4	100	<0.25	<0.25	<0.25	29	97	
HA -11B	3-3.5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.053	NA	NA	NA	NA	NA	NA	NA	
HA-11D(A)	1-1.5'	<3	3.1	250	0.26	0.32	62	15	51	51	0.042	2.2	130	<0.26	<0.26	<0.26	26	99	
HA-11D(B)	3-3.5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.048	NA	NA	NA	NA	NA	NA	NA	
ESL (Commercial/Industrial)																			
		40	5.5	1,500	8	7.4	58	10	230	750	10	40	150	10	40	13	200	600	
		6.1	5.5	750	4	1.7	58	10	230	150	3.7	40	150	10	20	1	110	600	
CHHSLs (Commercial/ Industrial)		380	0.24	63,000	1,700	7.5	NL	3,200	38,000	3,500	180	4,800	16,000	4,800	4,800	63	6,700	100,000	
CHHSLs (Residential)		30	0.07	5,200	150	1.7	NL	660	3,000	150	18	380	1,600	380	380	5	530	23,000	
PRGs (Commercial/Industrial-Direct Contact)		410	1.6	67,000	1,900	450	450	1,900	41,000	800	62	5,100	20,000	5,100	5,100	67	1,000	100,000	
PRGs (Residential-Direct Contact)		31	0.39	5,400	150	37	210	900	3,100	150	6.1	390	1,600	390	390	5.2	78	23,000	

Notes:

ESL- Environmental Screening Levels (Groundwater is current or potential drinking water source, shallow soils <= 3m bgs), California Regional Water Quality Control Board SF Region, February 2005
 PRG- Preliminary Remediation Goal (EPA Region 9)
 CHHSLs- California Human Health Screening Levels, CalEPA January 2005
 NA- Not analyzed

Table 2
Soil Analytical Results (Metals CAM 17)
Wente Vineyards
5565 Tesla Road, Livermore, California

Sampling Depth (ft bgs)	Sampling Date	Sampling Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1-1	9/14/2007	2.00	1	3.8	170	0.3	<0.25	59	15	31	34	0.025	<0.25	150	<0.5	<0.25	<0.5	25	47
1-2	9/14/2007	2.00	<0.5	4.2	230	0.36	<0.25	66	17	34	6.7	0.043	<0.25	170	<0.5	<0.25	<0.5	27	42
1-3	9/14/2007	2.00	<0.5	4	220	0.31	<0.25	58	16	32	6	<0.020	<0.25	160	<0.5	<0.25	<0.5	24	51
1-4	9/14/2007	2.00	<0.5	4.3	210	0.35	<0.25	66	18	35	6.9	<0.020	<0.25	170	<0.5	<0.25	<0.5	27	44
1-5A	9/14/2007	3.00	<0.5	4.4	180	0.35	<0.25	65	17	36	9.9	0.039	<0.25	170	<0.5	<0.25	<0.5	27	49
1-5B	9/14/2007	3.00	<0.5	3.9	190	0.36	<0.25	65	19	34	7.7	NA	<0.25	190	<0.5	<0.25	<0.5	26	46
2-1	9/14/2007	2.50	<0.5	5.2	230	0.4	<0.25	73	19	39	7.5	0.022	0.4	190	<0.5	<0.25	<0.5	30	51
2-2	9/14/2007	2.00	<0.5	5.1	240	0.38	<0.25	73	19	39	7.6	0.35	0.56	190	<0.5	<0.25	<0.5	30	55
2-3	9/14/2007	2.00	<0.5	4.3	200	0.32	<0.25	61	16	33	6	0.023	<0.25	160	<0.5	<0.25	<0.5	26	44
2-4	9/14/2007	2.50	0.53	4.8	210	0.36	<0.25	70	18	36	7.8	0.041	0.33	180	<0.5	<0.25	<0.5	29	63
2-5A	9/14/2007	3.00	<0.5	5.7	220	0.32	<0.25	64	18	30	7.7	0.083	<0.25	170	<0.5	<0.25	<0.5	27	52
3-1	9/14/2007	2.50	<0.5	6.2	240	0.34	<0.25	65	18	29	7.6	0.091	<0.25	170	<0.5	<0.25	<0.5	29	45
3-2	9/14/2007	2.50	<0.5	5.6	210	0.3	<0.25	59	16	28	8.3	0.058	<0.25	160	<0.5	<0.25	<0.5	25	56
3-3	9/14/2007	2.50	<0.5	5.8	220	0.32	<0.25	62	17	29	7.2	0.028	<0.25	160	<0.5	<0.25	<0.5	26	52
3-4	9/14/2007	2.50	<0.5	6	210	0.32	<0.25	61	17	30	11	0.035	<0.25	150	<0.5	<0.25	<0.5	27	83
3-5A	9/14/2007	3.00	<0.5	5.7	230	0.34	<0.25	66	18	27	8.3	0.031	<0.25	170	<0.5	<0.25	<0.5	28	53
4A-1	9/13/2007	3.00	<0.5	6.2	190	0.37	<0.25	71	19	28	7.4	0.023	<0.25	180	<0.5	<0.25	<0.5	29	42
4A-2	9/13/2007	3.00	<0.5	5.7	220	0.32	<0.25	63	16	26	6.9	0.029	<0.25	160	<0.5	<0.25	<0.5	27	40
4A-3	9/13/2007	3.00	<0.5	5.8	210	0.35	<0.25	73	17	27	7.1	0.038	<0.25	180	<0.5	<0.25	<0.5	28	45
4A-4	9/13/2007	3.00	<0.5	4.2	260	0.34	<0.25	63	16	26	6.5	0.021	<0.25	150	<0.5	<0.25	<0.5	28	38

Table 2
Soil Analytical Results (Metals CAM 17)
Wente Vineyards
5565 Tesla Road, Livermore, California

Sampling Depth (ft bgs)	Sampling Date	Sampling Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
4A-5	9/14/2007	2.00	<0.5	5	190	0.31	<0.25	51	15	26	6.3	<0.020	<0.25	120	<0.5	<0.25	<0.5	26	42
4A-6	9/14/2007	3.00	<0.5	5.6	210	0.34	<0.25	66	16	29	13	0.31	0.76	170	<0.5	<0.25	<0.5	28	50
4B-1	9/14/2007	3.50	<0.5	5.4	210	0.3	0.47	57	15	31	27	0.022	0.75	130	<0.5	<0.25	<0.5	26	59
4B-2	9/14/2007	3.00	<0.5	5.7	190	0.32	<0.25	64	17	27	8.5	0.05	<0.25	160	<0.5	<0.25	<0.5	27	40
4B-3	9/14/2007	3.00	<0.5	5.3	190	0.32	<0.25	58	17	27	8.4	0.039	<0.25	150	<0.5	<0.25	<0.5	26	44
4B-4	9/14/2007	5.00	<0.5	5.4	170	0.25	0.76	54	13	42	67	0.12	2.2	110	<0.5	<0.25	<0.5	24	100
4C-1	9/13/2007	4.00	<0.5	5.5	210	0.31	<0.25	64	17	27	7.2	0.052	<0.25	180	<0.5	<0.25	<0.5	25	43
4C-2	9/13/2007	3.00	<0.5	5.1	200	0.3	<0.25	59	16	26	6.5	0.022	<0.25	160	<0.5	<0.25	<0.5	25	40
4C-3	9/13/2007	3.00	<0.5	5.7	220	0.33	<0.25	55	16	27	6.6	0.055	<0.25	140	<0.5	<0.25	<0.5	27	42
4C-4	9/13/2007	3.00	<0.5	5.6	180	0.3	0.37	58	15	32	22	0.061	0.66	140	<0.5	<0.25	<0.5	25	85
ESL (Commercial/Industrial)			40	5.5	1,500	8	7.4	58	10	230	750	10	40	150	10	40	13	200	600
ESL (Residential)			6.1	5.5	750	4	1.7	58	10	230	150	3.7	40	150	10	20	1	110	600
CHHSLs (Commercial/Industrial)			380	0.24	63,000	1,700	7.5	NL	3,200	38,000	3,500	180	4,800	16,000	4,800	4,800	63	6,700	100,000
CHHSLs (Residential)			30	0.07	5,200	150	1.7	NL	660	3,000	150	18	380	1,600	380	380	5	530	23,000
PRGs (Commercial/Industrial-Direct Contact)			410	1.6	67,000	1,900	450	450	1,900	41,000	800	62	5,100	20,000	5,100	5,100	67	1,000	100,000
PRGs (Residential-Direct Contact)			31	0.39	5,400	150	37	210	900	3,100	150	6.1	390	1,600	390	390	5.2	78	23,000
Ambient Levels*			NA	9.6	NA	NA	NA	73	15.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

ESL- Environmental Screening Levels (Groundwater is current or potential drinking water source, shallow soils <= 3m bgs), California Regional Water Quality Control Board SF Region, February 2005

PRG- Preliminary Remediation Goal (EPA Region 9)

CHHSLs- California Human Health Screening Levels, CalEPA January 2005

NA- Not analyzed

< Less than Laboratory Reporting Limit

* Kearney Foundation Special Report

NA- Not applicable

Table 6
Soil Analytical Results (Polynuclear Aromatics)
Wente Vineyards
5565 Tesla Road, Livermore, California

Sample ID	Sampling Depth (ft bgs)	Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1,2,3-cd) pyrene	Di-benz (a,h) anthracene	Benzo (g,h,i) perylene
		(ug/kg)															
HA-1A	1-1.5'	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67
HA-2A	1-1.5'	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67
HA-3A	1-1.5'	<6700	<6700	<6700	<6700	<6700	<6700	<6700	<6700	<6700	<6700	<6700	<6700	<6700	<6700	<6700	<6700
HA-4A	1-1.5'	<340	<340	<340	<340	<340	<340	<340	<340	<340	<340	<340	<340	<340	<340	<340	<340
HA-5A	1-1.5'	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67
HA-6A	1-1.5'	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67
HA-7A	1-1.5'	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66
HA-8A	1-1.5'	<68	<68	<68	<68	<68	<68	<68	<68	<68	<68	<68	<68	<68	<68	<68	<68
HA-9A	1-1.5'	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67
HA-10A	1-1.5'	<130	<130	<130	<130	<130	<130	<130	<130	<130	<130	<130	<130	<130	<130	<130	<130
HA -11A	1-1.5'	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66
HA-11D(A)	1-1.5'	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67

Notes:

ESL- Environmental Screening Levels (Groundwater is current or potential drinking water source, shallow soils <= 3m bgs), California Regional Water Quality Control Board SF Region, February 2005

PRG- Preliminary Remediation Goal (EPA Region 9)

NL*- ESL not available

In soil Borings HA-3A, HA-4A, and HA-10A Laboratory reported a dilution factor of 50, 5, and 2, respectively

< Less than Laboratory Reporting Limit

Table 5
Soil Analytical Results (Pesticides and PCBs)
Wente Vineyards
5565 Tesla Road, Livermore, California

Sample ID	Sampling Depth (ft bgs)	Organochlorine Pesticides					Polychlorinated Biphenyls (PCBs)
		Delta-BHC ug/kg	4,4'-DDE ug/kg	4,4'-DDD ug/kg	4,4'-DDT ug/kg	Alpha-Chlordane ug/kg	Aroclor-1260 ¹ ug/kg
HA-1A	1-1.5'	<1.7	<3.3	<3.3	<3.3	<1.7	<9.6
HA-2A	1-1.5'	<1.7	<3.3	<3.3	<3.3	<1.7	<9.5
HA-3A	1-1.5'	<8.6	<17	<3.3	<17 #	<8.6	<9.7
HA-4A	1-1.5'	<8.4	<16	<3.3	<16 #	<8.4	46
HA-5A	1-1.5'	<1.7	<3.3	<3.3	<3.3	<1.7	<9.6
HA-6A	1-1.5'	<5.1	<10	<17	<10 #	6.1 C	18
HA-7A	1-1.5'	6.1 C	<3.3	<16	<3.3	<1.7	<9.6
HA-7B	3-3.5'	<5.1	<9.9	<3.3	<9.9 #	<5.1	NA
HA-8A	1-1.5'	<1.7	<3.3	<10	<3.3	<1.7	<9.6
HA-9A	1-1.5'	<1.7	<3.3	<3.3	<3.3	<1.7	<9.7
HA -10A	1-1.5'	<1.7	3.9	<9.9	14	<1.7	<9.6
HA -11A	1-1.5'	<1.7	<3.3	<3.3	<3.3	<1.7	<9.5
HA-11D(A)	1-1.5'	<1.7	40 C	<3.3	12	<1.7	<9.5
ESL (Commercial/Industrial)							
		NL*	4,000	9,000	4,000	1,700	740
ESL (Residential)							
		NL**	1,600	2,300	1,600	440	220

Notes:

ESL- Environmental Screening Levels (Groundwater is current or potential drinking water source, shallow soils <= 3m bgs), California Regional Water Quality Control Board SF Region, February 2005

* ESL for Gamma-BHC (Hexachlorocyclohexane, Lindane)= 49 ug/kg

** ESL for Gamma-BHC (Hexachlorocyclohexane, Lindane)= 49 ug/kg

C= Presence confirmed, but RPD between columns exceeds 40%

CCV drift outside limits; average CCV drift within limits per method requirements

¹ ESL level available for Polychlorinated Biphenyls (PCBs)

< Less than Laboratory Reporting Limit

"A" Samples- Collected at 1- to 1.5 ft sampling depth

"B" Samples- Collected at 3- to 3.5- sampling depth

Table 8
Soil Vapor Analytical Results
Wente Vineyards
5565 Tesla Road, Livermore, California

Compound	Sample ID											Shallow Soil Gas Screening Levels	
	SV-1 (ug/m ³)	SV-2 (ug/m ³)	SV-3 (ug/m ³)	SVE-4 (ug/m ³)	SV-5 (ug/m ³)	SV-6 (ug/m ³)	SV-6D Field Duplicate of SV-6* (ug/m ³)	SV-7 (ug/m ³)	SV-8 (ug/m ³)	SV-8 Lab Duplicate (ug/m ³)	SVE-9 (ug/m ³)	Commercial/ Industrial (ug/m ³)	Residential (ug/m ³)
Freon 12	<6.4	<6.1	<5	<6.2	<6.6	<6.8	<6.8	<6.2	<5.1	<5.1	<5.3	NA	NA
Freon 114	<9	<8.6	<7.1	<8.8	<9.4	<9.6	<9.6	<8.8	<7.2	<7.2	<7.6	NA	NA
Chloromethane	<11	<10	<8.3	<10	<11	<11	<11	<10	<8.5	<8.5	<8.9	NA	NA
Vinyl Chloride	<3.3	<3.2	<2.6	<3.2	<3.4	<3.5	<3.5	<3.2	<2.6	<2.6	<2.8	NA	NA
1,3-Butadiene	150	28	16	330	130	79	31	140	<2.3	<2.3	610	NL	NL
Bromomethane	<5	<4.8	<3.9	<4.9	<5.2	<5.4	<5.4	<4.9	<4	<4	<4.2	NA	NA
Chloroethane	<3.4	<3.2	<2.7	<3.3	<3.5	<3.6	<3.6	<3.3	<2.7	<2.7	<2.8	NA	NA
Freon 11	<7.2	<6.9	10	7.0 J	18	<7.8	<7.8	<7.1	<5.8	<5.8	<6.1	NL	NL
Ethanol	28	50	13	34	16	55	16	43	<7.7	<7.7	74	38,000,000	19,000,000
Freon 113	<9.9	<9.5	<7.7	<9.7	<10	<10	<10	<9.7	<7.8	<7.8	<8.3	NA	NA
1,1-Dichloroethene	<5.1	<4.9	<4	<5	<5.3	<5.5	<5.5	<5	<4.1	<4.1	<4.3	NA	NA
Acetone	400	570	100	330	170	820	310	990	23	23	280	1,800,000	660,000
2-Propanol	21	18	<9.9	43	19	150	16	24	<10	<10	12	NL	NL
Carbon Disulfide	19	12	4.8	18	19	13	7	17	<3.2	<3.2	320	NL	NL
3-Chloropropene	<16	<15	<13	<16	<17	<17	<17	<16	<13	<13	<14	NA	NA
Methylene Chloride	<4.5	<4.3	4.4	<4.4	<4.7	<4.8	<4.8	<4.4	<3.6	<3.6	<3.8	NL	NL
MtBE	<4.6	<4.4	<3.6	<4.6	<4.8	<5	<5	<4.6	<3.7	<3.7	<3.9	NA	NA
trans-1,2-Dichloroethene	<5.1	<4.9	<4	<5	<5.3	<5.5	<5.5	<5	<4.1	<4.1	<4.3	NA	NA
Hexane	61	19	16	160	82	44	18	76	<3.6	<3.6	84	NL	NL
1,1-Dichloroethane	<5.2	<5	<4.1	<5.1	<5.4	<5.6	<5.6	<5.1	<4.1	<4.1	<4.4	NL	NL
2-Butanone (Methyl Ethyl Ketone)	73	77	15	92	44	180	170	210	4.2	4.3	61	590,000	210,000
cis-1,2-Dichloroethene	<5.1	<4.9	<4	<5	<5.3	<5.5	<5.5	<5	<4.1	<4.1	<4.3	NA	NA
Tetrahydrofuran	6.5	4.6	<3	8.5	4.5	6.9	50	5.2	<3	<3	7	NL	NL
Chloroform	<6.3	<6	<4.9	<6.2	<6.6	<6.7	<6.7	9.2	<5	<5	<5.3	1,500	450
1,1,1-Trichloroethane	<7	<6.7	<5.5	<6.9	<7.3	<7.5	<7.5	<6.9	<5.6	<5.6	<5.9	NA	NA
Cyclohexane	14	<4.2	4.7	46	36	7.9	4.8	18	<3.5	<3.5	56	NL	NL
Carbon Tetrachloride	<8.1	<7.8	<6.4	<8	<8.5	<8.7	<8.7	<8	<6.4	<6.4	<6.8	NA	NA
2,2,4-Trimethylpentane	<6	<5.8	<4.7	7.1	<6.3	7.8	<6.4	<5.9	<4.8	<4.8	19	NL	NL
Benzene	45	18	8	170	51	44	16	64	<3.3	<3.3	63	290	85
1,2-Dichloroethane	<5.2	<5	<4.1	<5.1	<5.4	<5.6	<5.6	<5.1	<4.1	<4.1	<4.4	NA	NA
Heptane	30	10	7.2	71	36	20	10	32	<4.2	<4.2	41	NL	NL
Trichloroethene	<6.9	<6.6	<5.4	<6.8	<7.2	74	16	<6.8	<5.5	<5.5	<5.8	4,100	1,200
1,2-Dichloropropane	<6	<5.7	<4.7	<5.8	<6.2	<6.4	<6.4	<5.8	<4.7	<4.7	<5	NA	NA
1,4-Dioxane	<18	<18	<14	<18	<19	<20	<20	<18	<15	<15	<16	NA	NA

Table 8
Soil Vapor Analytical Results
Wente Vineyards
5565 Tesla Road, Livermore, California

Compound	Sample ID											Shallow Soil Gas Screening Levels	
	SV-1	SV-2	SV-3	SVE-4	SV-5	SV-6	SV-6D Field Duplicate of SV-6*	SV-7	SV-8	SV-8 Lab Duplicate	SVE-9	Commercial/ Industrial	Residential
	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)
Bromodichloromethane	<8.6	<8.3	<6.8	<8.5	<9	<9.2	<9.2	<8.5	<6.9	<6.9	<7.2	NA	NA
cis-1,3-Dichloropropene	<5.8	<5.6	<4.6	<5.7	<6.1	<6.3	<6.3	<5.7	<4.6	<4.6	<4.9	NA	NA
4-Methyl-2-pentanone	<5.3	9.7	<4.1	14	8.6	14	5.8	19	<4.2	<4.2	5.6	NL	NL
Toluene	42	52	34	300	130	110	60	160	8.2	8.9	95	180,000	63,000
trans-1,3-Dichloropropene	<5.8	<5.6	<4.6	<5.7	<6.1	<6.3	<6.3	<5.7	<4.6	<4.6	<4.9	NA	NA
1,1,2- Trichloroethane	<7	<6.7	<5.5	<6.9	<7.3	<7.5	<7.5	<6.9	<5.6	<5.6	<5.9	NA	NA
Tetrachloroethene	14	<8.4	58	<8.6	<9.1	<9.4	<9.4	41	110	100	240	1,400	410
2-Hexanone	<21	<20	<16	<21	<22	<23	<23	<21	<17	<17	<18	NA	NA
Dibromochloromethane	<11	<10	<8.6	<11	<11	<12	<12	<11	<8.7	<8.7	<9.2	NA	NA
1,2-Dibromoethane (EDB)	<9.9	<9.5	<7.8	<9.7	<10	<11	<11	<9.7	<7.9	<7.9	<8.3	NA	NA
Chlorobenzene	<5.9	<5.7	<4.6	<5.8	<6.2	<6.4	<6.4	<5.8	<4.7	<4.7	<5	NA	NA
Ethyl Benzene	7	10	9	37	11	20	9.6	35	<4.4	<4.4	15	1,200,000	420,000
m,p-Xylene	12	31	35	54	15	34	22	77	<4.4	<4.4	42	410,000	150,000
o-Xylene	<5.6	13	14	22	8	16	8.1	28	<4.4	<4.4	16	410,000	150,000
Styrene	<5.5	5.5	<4.3	15	7.9	16	7	26	<4.4	<4.4	8.4	590,000	210,000
Bromoform	<13	<13	<10	<13	<14	<14	<14	<13	<10	<10	<11	NA	NA
Cumene	<6.3	<6.1	<5	9.6	<6.6	<6.8	<6.8	<6.2	<5	<5	<5.3	NL	NL
1,1,2,2-Tetrachloroethane	<8.8	<8.5	<6.9	<8.7	<9.2	<9.5	<9.5	<8.7	<7	<7	<7.4	NA	NA
Propylbenzene	<6.3	12	<5	7	<6.6	<6.8	<6.8	7.6	<5	<5	<5.3	NL	NL
4-Ethyltoluene	<6.3	35	<5	20	<6.6	12	<6.8	23	<5	<5	15	NL	NL
1,3,5- Trimethylbenzene	<6.3	26	<5	6.4	<6.6	<6.8	<6.8	6.5	<5	<5	5.5	NL	NL
1,2,4- Trimethylbenzene	<6.3	87	<5	26	<6.6	14	7	27	<5	<5	25	NL	NL
1,3-Dichlorobenzene	<7.8	<7.4	<6.1	<7.6	<8.1	<8.3	<8.3	<7.6	<6.2	<6.2	<6.5	NA	NA
1,4-Dichlorobenzene	<7.8	<7.4	<6.1	<7.6	<8.1	<8.3	<8.3	<7.6	<6.2	<6.2	<6.5	NA	NA
alpha-Chlorotoluene	<6.7	<6.4	<5.2	<6.5	<7	<7.1	<7.1	<6.5	<5.3	<5.3	<5.6	NA	NA
1,2-Dichlorobenzene	<7.8	<7.4	<6.1	<7.6	<8.1	<8.3	<8.3	<7.6	<6.2	<6.2	<6.5	NA	NA
1,2,4- Trichlorobenzene	<38	<37	<30	<38	<40	<41	<41	<38	<30	<30	<32	NA	NA
Hexachlorobutadiene	<55	<53	<43	<54	<57	<59	<59	<54	<44	<44	<46	NL	NL

Laboratory Note:

J- Estimated Value

Note

NA- Not Applicable

NL- Not Listed

< - Less Than Laboratory Reporting Limit

* Laboratory sample ID for the field duplicate sample collected from the soil vapor borehole SV-5 is SV-10, however the sample ID used in the report is for the above sample is SV-6D.

TABLE 1. Groundwater Analytical Results

5555 Tesla Road, Livermore, California

Sample Location	Sampling Interval (feet bgs)	Sampling Date	TPH as gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as diesel (µg/L)	TPH as motor oil (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Lead (µg/L)	Mercury (µg/L)
CPT-1	17 - 22	10/27/2005	79	2.4	1.6	5.7	26	<50	<300	NS	NS	NS	NS
CPT-1	35 - 40	10/27/2005	<50	0.5	0.8	1.3	3.5	<50	<300	NS	NS	NS	NS
CPT-1	49 - 54	10/27/2005	<50	<0.5	<0.5	<0.5	<0.5	<50	<300	NS	NS	NS	NS
CPT-2	13 - 18	10/27/2005	56	<0.5	<0.5	2.3	12.7	<50	<300	NS	NS	NS	NS
CPT-2	27 - 32	10/27/2005	<50	<0.5	<0.5	<0.5	0.6	56 Y	<300	NS	NS	NS	NS
CPT-2	69 - 74	10/27/2005	<50	<0.5	<0.5	<0.5	0.5	71 Y	<300	NS	NS	NS	NS
CPT-3	11 - 16	10/26/2005	<50	<0.5	<0.5	<0.5	<0.5	<50	<300	<5.0	210	<3.0	0.27
CPT-3	39 - 44	10/26/2005	<50	<0.5	<0.5	<0.5	<0.5	<50	<300	<5.0	160	<3.0	0.25
CPT-3	58 - 63	10/26/2005	<50	<0.5	<0.5	<0.5	<0.5	<50	<300	<5.0	55	<3.0	<0.20
CPT-4	15 - 20	10/27/2005	260	<0.5	0.8	19	64	<50	<300	NS	NS	NS	NS
CPT-4	30 - 35	10/27/2005	<50	<0.5	<0.5	1.7	7.5	<50	<300	NS	NS	NS	NS
CPT-4	52 - 57	10/27/2005	<50	<0.5	<0.5	<0.5	1.1	<50	<300	NS	NS	NS	NS
CPT-5	19 - 24	10/26/2005	<50	<1.0	<1.0	<1.0	<1.0	<50	<300	43	11	<3.0	0.61
CPT-5	56 - 61	10/26/2005	<50	<0.5	<0.5	<0.5	<0.5	59 Y	<300	<5.0	210	<3.0	<0.20
CPT-6	15 - 20	10/27/2005	56	<0.5	<0.5	<0.5	<0.5	<50	<300	NS	NS	NS	NS
CPT-6	31 - 36	10/27/2005	<50	<0.5	<0.5	<0.5	<0.5	74	<300	NS	NS	NS	NS
CPT-6	51 - 56	10/27/2005	<50	<0.5	<0.5	<0.5	<0.5	<50	<300	NS	NS	NS	NS
Drinking water standards as set forth by the RWQCB			100	1	40	30	20	100	100	36	1000	3	0.012

Notes:

bgs= below ground surface

µg/L= micrograms per Liter

<= Results not detected at or above the reporting laboratory reporting limit indicated

Y= Sample exhibits chromatographic pattern which does not resemble standard

NS= Not Sampled

Table 1
Historical Groundwater Elevation Data & Analytical Results
Hydrocarbons, BTEX, & MtBE
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	Top of Casing (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	
MW-1	5/20/2005	615.16	6.10	609.06	<200	<50	320 YZ	<0.5	<0.5	<0.5	<1.0	<0.5	
	9/13/2005	615.16	9.19	605.97	<50	<50	<300	<0.5	<2.0	<0.5	<1.0	<0.5	
	11/28/2005	615.16	8.90	606.26	<50	150 YZ	<300	<0.5	<2.0	<0.5	<1.0	<0.5	
	2/13/2006	615.16	6.29	608.87	<50	<50	<250	<0.5	<2.0	<0.5	<1.0	<0.5	
	5/5/2006	615.16	5.23	609.93	<50	70 HY	<300	<0.5	<0.5	<0.5	<0.5	<0.5	
	8/15/2006	615.16	7.54	607.62	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	
	11/2/2006	615.16	8.97	606.19	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	
	1/30/2007	615.16	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/26/2008	615.16	6.34	608.82	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/24/2008	615.16	8.24	606.92	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-2	5/20/2005	616.03	6.69	609.34	<200	<50	<300	<0.5	<0.5	<0.5	<1.0	<0.5	
	9/13/2005	616.03	9.30	606.73	<50	<50	<300	<0.5	<2.0	<0.5	<1.0	<0.5	
	11/28/2005	616.03	9.20	606.83	<50	<50	<300	<0.5	<2.0	<0.5	<1.0	<0.5	
	2/13/2006	616.03	6.52	609.51	<50	76.5 ^{D35}	657 ^{D06}	<0.5	<2.0	<0.5	<1.0	<0.5	
	5/5/2006	616.03	5.58	610.45	<50	50 HY	<300	<0.5	<0.5	<0.5	<0.5	<0.5	
	8/15/2006	616.03	8.09	607.94	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	
	11/2/2006	616.03	9.00	607.03	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	
	1/30/2007	616.03	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/26/2008	616.03	6.75	609.28	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/24/2008	616.03	8.63	607.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-3	5/20/2005	617.32	7.04	610.28	<200	680	<300	<0.5	1.58	<0.5	<1.0	<0.5	
	9/13/2005	617.32	9.61	607.71	<50	300 Y	<300	<0.5	<2.0	<0.5	<1.0	<0.5	
	11/28/2005	617.32	9.60	607.72	<50	150 YZ	<300	<0.5	<2.0	<0.5	<1.0	<0.5	

Table 1
Historical Groundwater Elevation Data & Analytical Results
Hydrocarbons, BTEX, & MtBE
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	Top of Casing (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)
MW-3 cont	2/13/2006	617.32	7.06	610.26	<50	<50	322 ^{DOB}	<0.5	<2.0	<0.5	<1.0	<0.5
	5/5/2006	617.32	5.94	611.38	<50	61 HY	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	617.32	8.53	608.79	<50	76 HY	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	617.32	9.39	607.93	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	617.32	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA
	3/26/2008	617.32	7.14	610.18	NA	NA	NA	NA	NA	NA	NA	NA
	6/24/2008	617.32	9.14	608.18	NA	NA	NA	NA	NA	NA	NA	NA
MWS-1	3/26/2008	616.86	8.49	608.37	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2008	616.86	10.34	606.52	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5
MWS-2	3/26/2008	613.96	8.80	605.16	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2008	613.96	11.11	602.85	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5
B-9	6/24/2005	NA	NA	NA	1,850,000	540,000 LY	<24,000	3,820	114,000	40,400	177,700	<462
B-10	6/24/2005	NA	NA	NA	<200	<50	<300	<0.5	4.23	1.10	4.03	<0.5
Onsite Supply Well	5/20/2005	NS	NM	NC	<200	<50	<300	<0.5	0.85	<0.5	<1.0	<0.5
	11/28/2005	NS	NM	NC	<50	100 YZ	<300	<0.5	<2.0	<0.5	<1.0	<0.5
	2/13/2006	NS	NM	NC	<50	91.8	<250	<0.5	<2.0	<0.5	<1.0	<0.5
	5/5/2006	NS	NM	NC	<50	52 Y	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	NS	NM	NC	<50	95 YZ	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	4/30/2007	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	8/8/2007	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	10/29/2007	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	3/26/2008	NS	NM	NC	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2008	NS	NM	NC	<50	71 Y	NA	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Historical Groundwater Elevation Data & Analytical Results
Hydrocarbons, BTEX, & MtBE
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	Top of Casing (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)
Offsite Supply Well	5/20/2005	NS	NM	NC	<200	<50	<300	0.77	1.08	<0.5	<1.0	<0.5
	11/28/2005	NS	NM	NC	<5,380	120 YZ	<300	<53.8	<215	<53.8	<108	<53.8
	1/16/2006	NS	9.65	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/2006	NS	NM	NC	<50	<50	<250	<0.5	<2.0	<0.5	<1.0	<0.5
	5/5/2006	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
Offsite Supply Well cont.	11/2/2006	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	4/30/2007	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	8/8/2007	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	10/29/2007	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	3/26/2008	NS	NM	NC	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2008	NS	NM	NC	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Historical Groundwater Elevation Data & Analytical Results
Hydrocarbons, BTEX, & MtBE
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	Top of Casing (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)
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Notes:

- 1) The wells were installed on May 5, 2005 and developed by Woodward Drilling on May 20, 2005.
- 2) A grab sample was collected after the well development on May 20, 2005.
- 3) A grab sample was also collected from the water well, southeast of the water storage units on May 20, 2005.
- 4) The wells were surveyed by Harrington Surveys of Walnut Creek, CA on June 5, 2005.
- 5) A grab sample was collected from the borings on June 24, 2005.
- 6) The groundwater elevation for the May 2005 sampling was based on the survey data of Harrington Surveys.
- 7) The supply wells were first added to the quarterly events in the Fourth Quarter 2005. The off-site water supply well was re-sampled on January 16, 2006, based on the directive of Alameda County Environmental Health Dept. Tetrahydrofuran was detected at 19,700 ug/L and chloroethane was detected at 380 ug/L during the 4Q05 Monitoring Event.
- 8) Wells MWS-1 and MWS-2 were installed on February 8, 2008 and were developed on February 13, 2008 by Gregg Drilling.

NA: Not Applicable. B-9 and B-10 are boring locations and are not surveyed.

NC: Not calculated.

NM: Not Measured

NS: Not surveyed. The onsite well is a private well.

TPH-d: Total hydrocarbons as diesel

TPH-g: Total hydrocarbons as gasoline

TPH-mo: Total hydrocarbons as motor oil

H: Heavier hydrocarbons contributed to the quantitation

L: Lighter weight hydrocarbons contributed to the quantitation

Y: Sample exhibits chromatographic pattern which does not resemble standard

Z: Sample exhibits unknown single peaks or peaks.

<: Not Detected above the laboratory reporting limit.

D35: Sample does not display fuel pattern. Sample contains several discrete peaks. (1Q06 diesel)

D06: Sample chromatographic pattern does not resemble fuel standard used for quantitation. (1Q06, motor oil)

As of the First Quarter 2007, supply wells are to be analyzed on a quarterly basis and sampling of monitoring wells is temporarily discontinued.

Table 2
Historical Groundwater Analytical Results
Gasoline Oxygenates & Lead Scavengers
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-1	9/13/2005	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	2/13/2006	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	5/5/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NA	NA	NA	NA	NA	NA
MW-2	9/13/2005	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	2/13/2006	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	5/5/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NA	NA	NA	NA	NA	NA

Table 2
Historical Groundwater Analytical Results
Gasoline Oxygenates & Lead Scavengers
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-3	9/13/2005	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	2/13/2006	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	5/5/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NA	NA	NA	NA	NA	NA
MWS-1	3/26/2008	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2008	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MWS-2	3/26/2008	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2008	<10	<0.5	<0.5	<0.5	<0.5	<0.5
Onsite Supply Well	11/28/2005	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	2/13/2006	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	5/5/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	4/30/2007	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/8/2007	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	10/29/2007	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	3/26/2008	<10	<0.5	<0.5	<0.5	<0.5	<0.5
6/24/2008	<10	<0.5	<0.5	<0.5	<0.5	<0.5	

Table 2
Historical Groundwater Analytical Results
Gasoline Oxygenates & Lead Scavengers
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
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Notes:

- 1) A grab sample was collected after well development on May 20, 2005.
- 2) The supply wells were first added to the quarterly events in the Fourth Quarter 2005.
 The off-site water supply well was re-sampled on January 16, 2006, based on the directive of Alameda County Environmental Health Dpt. Tetrahydrofuran was detected at 19,700 ug/L and chloroethane was detected at 380 ug/L during the 4Q05 Monitoring Event.

<: Not Detected above the laboratory reporting limit.

As of the First Quarter 2007, supply wells are to be analyzed on a quarterly basis and sampling of monitoring wells is temporarily discontinued.

Gasoline Oxygenates:

TBA: tertiary Butyl Alcohol
 DIPE: Di-Isopropyl Ether
 ETBE: Ethyl tertiary Butyl Ether
 TAME: Methyl tertiary Amyl Ether

Lead Scavengers:

EDB: 1,2-Dibromoethane
 1,2-DCA: 1,2-Dichloroethane

Table 2
Historical Groundwater Analytical Results
Gasoline Oxygenates & Lead Scavengers
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
Offsite Supply Well	11/28/2005	<269	<53.8	<53.8	<215	<53.8	<215
	1/16/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/2006	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	5/5/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	4/30/2007	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/8/2007	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	10/29/2007	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	3/26/2008	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2008	<10	<0.5	<0.5	<0.5	<0.5	<0.5

Table 3
Historical Analytical Results For Volatile Organic Compounds

Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Vinyl Chloride (µg/L)	1,2-DCP (µg/L)	1,1-DCE (µg/L)
MW-1	9/13/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	5/5/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NA	NA	NA	NA	NA	NA	NA
MW-2	9/13/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	5/5/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NA	NA	NA	NA	NA	NA	NA
MW-3	9/13/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	5/5/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NA	NA	NA	NA	NA	NA	NA
MWS-1	3/26/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MWS-2	3/26/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 3
Historical Analytical Results For Volatile Organic Compounds

Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Vinyl Chloride (µg/L)	1,2-DCP (µg/L)	1,1-DCE (µg/L)	
Onsite Supply Well	11/28/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	2/13/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	5/5/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	8/15/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	11/2/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	1/30/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	4/30/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	8/8/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/29/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/26/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	6/24/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	Offsite Supply Well	11/28/2005	<53.8	<53.8	<53.8	<53.8	<53.8	<53.8	<53.8
		1/16/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2/13/2006		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
5/5/2006		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
8/15/2006		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
11/2/2006		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
1/30/2007		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
4/30/2007		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
8/8/2007		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
10/29/2007		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
3/26/2008		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
6/24/2008		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	

Table 3
Historical Analytical Results For Volatile Organic Compounds

Wente Vineyards
 5565 Tesla Road, Livermore, California

Monitoring Well	Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Vinyl Chloride (µg/L)	1,2-DCP (µg/L)	1,1-DCE (µg/L)
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Notes:

- 1) A grab sample was collected after well development on May 20, 2005. However, the first time volatile organic compounds (VOCs) were analyzed was during the Third Quarter 2005 monitoring event.
 - 2) The supply wells were first added to the quarterly events in the Fourth Quarter 2005. The off-site water supply well was re-sampled on January 16, 2006, based on the directive of Alameda County Environmental Health Dpt. Tetrahydrofuran was detected at 19,700 ug/L and chloroethane was detected at 380 ug/L during the 4Q05 Monitoring Event.
- <: Not detected above the laboratory reporting limit.

As of the First Quarter 2007, supply wells are to be analyzed on a quarterly basis and monitoring wells are analyzed semi-annually.

Volatile organic compounds (VOCs)

PCE:	tetrachloroethene	TCE:	1,1,1-trichloroethane
cis-1,2-DCE:	cis-1,2-dichloroethene	trans-1,2-DCE:	trans-1,2-dichloroethene
vinyl chloride		1,2-DCP:	1,2-dichloropropane
1,1-DCE:	1,1-dichloroethene		

Table 1
Groundwater Analytical Results
Wente Vineyards
5565 Tesla Road, Livermore, California

Sample ID	Sampling Depth (ft bgs)	TPH-g ug/L	Benzene ug/L	Toluene ug/L	Ethyl- benzene ug/L	Total Xylenes ug/L	MtBE ug/L	Chlotoethane ug/L	Tetrahydrofuran ug/L
GS-1B	40-44'	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<50
GS-1C	59-63'	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<50
GS-2A	12-16'	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<50
GS-2B	40-44'	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<50
GS-2C	59-63'	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<50

Notes:

NA- Not Analyzed (Upper water bearing zone didn't yield enough water to complete the analysis)

< Less than Laboratory Reporting Limit

Table 4
Historical Groundwater Analytical Results
Metals
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	Nickel (µg/L)	Zinc (µg/L)
MW-1	9/13/2005	<5.0	<10	<3.0	<20	27
MW-2	9/13/2005	<5.0	<10	<3.0	<20	23
MW-3	9/13/2005	<5.0	<10	<3.0	<20	<20
MWS-1	3/26/2008	<5.0	9.9	<3.0	17	30
	6/24/2008	<5.0	<5.0	5.9	<5.0	33
MWS-2	3/26/2008	<5.0	7.9	<3.0	22	<20
	6/24/2008	<5.0	<5.0	<3.0	<5.0	<20
B-10	6/24/2005	12	930	82	3,600	800
Onsite Supply Well	11/28/2005	<5.0	<10	<3.0	<20	62
	2/13/2006	<5.0	<10	<3.0	<20	<20
	5/5/2006	<5.0	<10	26	<20	<20
	8/15/2006	<5.0	<10	<3.0	34	60
	11/2/2006	<5.0	<10	<3.0	<20	<20
	1/30/2007	<1.0	2.30	<1.0	1.9	31
	4/30/2007	<5.0	<5.0	<3.0	<5.0	<20
	8/8/2007	<5.0	<5.0	<3.0	<5.0	610
	10/29/2007	<5.0	<5.0	<3.4	<5.0	24
	3/26/2008	<5.0	<5.0	<3.0	<5.0	<20
6/24/2008	<5.0	<5.0	<3.0	<5.0	<20	

Table 4
Historical Groundwater Analytical Results
Metals
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	Nickel (µg/L)	Zinc (µg/L)
Offsite Supply Well	11/28/2005	<5.0	<10	<3.0	<20	830
	1/16/2006	<5.0	<10	8.30	<20	650
	2/13/2006	<5.0	15	<3.0	<20	1700
	5/5/2006	<5.0	<10	26	<20	750
	8/15/2006	<5.0	<10	<3.0	<20	1,200
	11/2/2006	<5.0	<10	<3.0	<20	1,300
	1/30/2007	<1.0	<1.0	<1.0	4.0	7,200
	4/30/2007	<5.0	<5.0	<3.0	<5.0	720
	8/8/2007	<5.0	<5.0	3	<5.0	570
	10/29/2007	<5.0	8.7	<3.4	7.8	710
	3/26/2008	<5.0	11.0	4.8	5.6	620
	6/24/2008	<5.0	9.7	8.1	<5.0	910

Notes:

- 1) Metals were tested at boring B-10 on June 24, 2005.
 - 2) Due to the results from B-10, the Alameda County Environmental Health Services requested that SOMA further analyze the wells for metals in a letter dated Sept. 19, 2005. SOMA collected grab samples from the wells on September 29, 2005.
 - 3) The only time metals were tested in wells MW-1 to MW-3 was in the Third Quarter 2005.
 - 4) The supply wells were first added to the quarterly events in the Fourth Quarter 2005. The off-site water supply well was re-sampled on January 16, 2006, based on the directive of Alameda County Environmental Health Dpt. Tetrahydrofuran was detected at 19,700 ug/L and chloroethane was detected at 380 ug/L during the 4Q05 Monitoring Event.
- <: Not Detected above the laboratory reporting limit.

Table 4
Summary of Grab-Groundwater Analytical Results - TPH and VOCs
Wente Winery, Livermore, CA

Category	Chemical	Units	Sample ID & Date		RBSLs Industrial
			B-1W 4/18/03	B-4W 4/18/03	
Total Petroleum Hydrocarbons (EPA 8015M)	TPH-Gasoline	ug/L	200,000	74	100
	TPH-Diesel	ug/L	150,000	180	100
	TPH-Motor Oil	ug/L	<5,000	370	100
Volatile Organic Compounds (EPA 8260B)	MTBE	ug/L	<1000	<0.5	5.0
	Benzene	ug/L	2,100	<0.5	1.0
	Toluene	ug/L	34,000	5.1	40
	Ethylbenzene	ug/L	5,900	2.0	30
	Xylenes	ug/L	31,000	12	13
	n-Butyl benzene	ug/L	1,300	<0.5	NE
	tert-Butyl benzene	ug/L	<1000	0.51	NE
	chloroform	ug/L	<1000	1.2	28
	Naphthalene	ug/L	1,800	1.3	21
	1,2,4-Trimethylbenzene	ug/L	9,900	4.0	NE
	sec-Butyl benzene	ug/L	<1000	<0.5	NE
	Isopropylbenzene	ug/L	<1000	<0.5	NE
	n-Propyl benzene	ug/L	1,100	0.67	NE
1,3,5-Trimethylbenzene	ug/L	3,300	1.7	NE	

Notes:

ug/L = micrograms per liter

<x = Analyte not detected at or above detection limit of x.

RBSLs = Risk Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater, RWQCB

Interim Final - December 2001, Table A

NE = Not established

Table 1
Groundwater Analytical Results
 5565 Tesla Rd, Livermore CA

Sample Location	MW-1	MW-2	MW-3	Onsite Well	5443 Tesla	B-9	B-10
Date	May 20, 2005	May 20, 2005	May 20, 2005	May 20, 2005	May 20, 2005	June 24, 2005	June 24, 2005
TPH-g (µg/L)	<200	<200	<200	<200	<200	1,850,000	<200
TPH-d (µg/L)	<50	<50	680	<50	<50	540,000 ^{LY}	<50
TPH-mo (µg/L)	320 ^{YZ}	<300	<300	<300	<300	<24,000	<300
Benzene (µg/L)	<0.5	<0.5	<0.5	<0.5	0.770	3,820	<0.5
Toluene (µg/L)	<0.5	<0.5	1.58	0.850	1.08	114,000	4.23
Ethylbenzene (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	40,400	1.10
Total Xylenes (µg/L)	<1.0	<1.0	<1.0	<1.0	<1.0	177,700	4.03
MIBE (µg/L) EPA 8260B	<0.5	<0.5	<0.5	<0.5	<0.5	<462	<0.5
Chloroform (µg/L) EPA 8260B	NA	NA	NA	NA	NA	NA	12
Chloroethane (µg/L) EPA 8260B	NA	NA	NA	NA	NA	NA	930
1,1-DCE (µg/L) EPA 8260B	NA	NA	NA	NA	NA	NA	82
1,1,1-TCE (µg/L) EPA 8260B	NA	NA	NA	NA	NA	NA	3,600
Zinc (µg/L) EPA 8410B	NA	NA	NA	NA	NA	NA	800

Notes:

- < : Not detected above laboratory reporting limit.
- H = Heavier hydrocarbons contributed to the quantitation.
- Y = Sample exhibits chromatographic pattern which does not resemble standard.
- Z = Sample exhibits unknown single peak or peaks.
- L = Lighter hydrocarbons contributed to the quantitation.

Table 3
Groundwater Analytical Results
Heavy Metals EPA Method 6010B
5565 Tesla Rd, Livermore CA

Compound	E-10: (ug/L)	RBSL (ug/L)
Cadmium	12	2.2
Chromium	930	180
Lead	82	2.5
Nickel	3,600	8.2
Zinc	800	81

RBSL=Risk Based Screening Levels for Commercial/Industrial Land Use



GEOLOGIC LOG OF BOREHOLE: MW-1

PROJECT: 2842

DATE DRILLED: May 05, 2005.

SITE LOCATION: 5565 Tesla Rd.,
Livermore CA

CASING ELEVATION: NA

DRILLER: Woodward Drilling

DEPTH TO GW: 9' bgs

DRILLING METHOD: HSA

T.O.C. TO SCREEN: 10'

BORING DIAMETER: 8"

SCREEN LENGTH: 5'

LOGGED BY: J Lohman

APPROVED BY: M Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON SCORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	0-5			Hand Auger top 5'					
	5-10		ML	SANDY SILT w/ Gravel: olive green, low plasticity, low firmness, moist; 20% gravel up to 2" (pebbles) less gravel w/ depth (fining downwards), 30% sand, 50% silt; Medium estimated permeability (MEK). No Petroleum Hydrocarbon (PHC) odor.				10 11 8 4 8 13	<p>2" Schedule 40 PVC Casing Cement/Bentonite Grout Bentonite Plug 0.01 Slotted Screen</p>
	10-15		ML	SANDY SILT w/ Gravel: olive green, 30% gravel up to 2", saturated; High estimated permeability (HEK). No PHC odor.				13 9 20 21 23	
	15-20		ML/CL	SILTY CLAY w/ Sand: olive mottled brown, firm high plasticity, moist, 45% clay, 40% silt, 15% sand; MEK. No PHC odor.				8 8 10 15	
	20-25								

COMMENTS: Sampled 8.5-9'; Well TD@15', Well Ø 2"

ATTACHMENT 7



GEOLOGIC LOG OF BOREHOLE: MW-2

PROJECT: 2842

DATE DRILLED: May 05, 2005.

SITE LOCATION: 5565 Tesla Rd.,
Livermore CA

CASING ELEVATION: NA

DRILLER: Woodward Drilling

DEPTH TO GW: 8.5' bgs

DRILLING METHOD: HSA

T.O.C. TO SCREEN: 10'

BORING DIAMETER: 8"

SCREEN LENGTH: 5'

LOGGED BY: J Lohman

APPROVED BY: M Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	0-5			Hand Auger top 5'		HAND AUGER TO 5'			
	5-7.5	[Vertical line pattern]	ML	SANDY SILT w/ Gravel: olive green, low plasticity, low firmness, damp; 20% gravel, 30% sand, 50% silt; Medium estimated permeability (MEK). No Petroleum Hydrocarbon (PHC) odor.				29	<p>2" Schedule 40 PVC Casing Cement/Bentonite Grout Bentonite Plug 0.01 Slotted Screen</p>
	7.5-10	[Vertical line pattern]	ML	SANDY SILT w/ gravel: 60% silt, 25% sand (medium to small), 15% <=2" gravel, saturated. HEK. No PHC odor.			50	50	
	10-11	[Vertical line pattern]	ML	SANDY SILT Stringer: olive mottled orange stringer w/o gravel, highly plastic, very firm, damp; LEK.			20	25	
	11-15	[Vertical line pattern]	SM	SILTY SAND w/ Gravel: coarse sand 50% sand, 30% silt, 20% gravel, saturated; HEK. No PHC odor.			50	35	
	15-25	[Vertical line pattern]					10	11	
							8	4	
							4	4	
							8	10	
							12	12	
							15	15	

COMMENTS: Sampled 7.5-8'; Well TD@15', Well Ø 2"



GEOLOGIC LOG OF BOREHOLE: MW-3

PROJECT: 2842

DATE DRILLED: May 05, 2005.

SITE LOCATION: 5565 Tesla Rd.,
Livermore CA

CASING ELEVATION: NA

DRILLER: Woodward Drilling

DEPTH TO GW: 7.5' bgs

DRILLING METHOD: HSA

T.O.C. TO SCREEN: 8'

BORING DIAMETER: 8"

SCREEN LENGTH: 5'

LOGGED BY: J Lohman

APPROVED BY: M Sepehr

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand Auger top 2'				
	5		ML	SANDY SILT: brown, low plasticity, low firmness, saturated, 80% silt, 20% sand, 40% silt; Medium estimated permeability (MEK). No Petroleum Hydrocarbon (PHC) odor.				<p>2" Schedule 40 PVC Casing Cement/Bentonite Grout Bentonite Plug 0.01 Silted Screen</p>
	7		SM	SILTY SAND: brown, low plasticity, low firmness, saturated, 60% sand, 40% silt; HEK.				
	10		SM	SANDY SILT w/ Gravel: dark gray, 50% gravel, saturated; No PHC odor.				
	15		CL	SILTY CLAY: damp highly plastic, firm damp, orange brown mottled green; LEK. Slight PHC odor.				
	11							
	20							
	25							

COMMENTS: Sampled 6.5-7'; Well TD@13', Well Ø 2"



LOG OF EXPLORATORY BORING

PROJECT NO.: 70-03412.01 DATE: 4/18/03
 CLIENT: WENTE WINERY
 LOCATION: 5565 TESLA ROAD, LIVERMORE, CA
 LOGGED BY: D. ASHTON DRILLER: GREGG

BORING NO. B-1
 Sheet 1 of 1

Field location of boring:

AG STORAGE



Drilling Method: GEOPROBE Drill Rig Model: MARL M5T Hole Dia.: 2 IN.

Boring Completion Data:

ANGLE BORING UNDER PAD @ 20° FROM VERTICAL, TEMPORARY

WELL CASING 1", REMOVED AFTER SAMPLING, SEALED WITH

PORTLAND CEMENT GROUT TO SURFACE

Ground Elev.: _____ Datum: _____

PID (ppm)	Recovery (ft./ft.)	Depth	Sample Interval	Soil Group Symbol (USCS)	Litho-graphic Symbol	Depth To ∇	9.1	Depth To ∇		
						Time	12:50	Time		
						Date		Date		
						DESCRIPTION				
		1	X			SANDY SILT WITH GRAVEL, OLIVE BROWN, FINES 50%, SAND FINE-TO-COARSE 30-40%, GRAVEL 10-20%, DRY, LOOSE, NO ODOR, GRAVEL TO 1.5"				
		2	X							
		3								
	2/4	4	X							
		5		ML						
		6								
0.9		7	B							
	3.8/4	8	X							
		9								
		10	X			SILTY CLAY, OLIVE BROWN, 100% FINES, FAT CLAY, STIFF, FIRM, MOIST TO DAMP, DISTINCT PETROLEUM ODOR				
		11		CL						
	4/4	12				WET @ 12 FT.				
						BORING TERMINATED @ 12 FT.				
		13								
		14								
		15								
		16								
		17								
		18								
		19								



LOG OF EXPLORATORY BORING

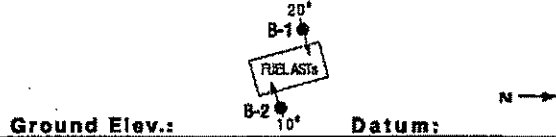
PROJECT NO.: 70-03412.01 DATE: 4/18/03
 CLIENT: WENTE WINERY
 LOCATION: 5565 TESLA ROAD, LIVERMORE, CA
 LOGGED BY: D. ASHTON DRILLER: GREGG

BORING NO. B-2
 Sheet 1 of 1

Field location of boring: AG STORAGE

Drilling Method: **GEOPROBE** Drill Rig Model: **MARL M5T** Hole Dia.: 2 IN.

Boring Completion Data:
 ANGLE BORING UNDER PAD @ 10° FROM VERTICAL, SEALED WITH PORTLAND CEMENT GROUT



PID (ppm)	Recovery (ft./ft.)	Depth	Sample Interval	Soil Group Symbol (USCS)	Litho-graphic Symbol	Depth To		DESCRIPTION
						▽	▼	
		1		SM		8.8		GRAVEL AND SILT SANDY SILT WITH GRAVEL, OLIVE BROWN, FINES 50%, NON-PLASTIC, SAND FINE-TO-COARSE 30-40%, GRAVEL 10-20% TO 1"+, DRY TO DAMP, NO ODOR
		2				10:00		
		3				4/18/03		
	0.1/4	4						
		5		ML				
		6						
		7	X					
0.5		8	B					
	3/4	8	X					@ 8.9-9.2 FT. CRUSHED BRICK DEBRIS (FILL) IN GRAVELLY SAND, WET, NO HYDROCARBON ODOR
		9						
		10	X		/ / / / /			SILTY CLAY, OLIVE BROWN, 100% FINES, PLASTIC, STIFF TO FIRM, MOIST TO DAMP
		11						
	4/4	12		CL	/ / / / /			
		13						
		14						@ 14 FT. SLIGHT HYDROCARBON ODOR
		15						
9.5		16						@ 16 FT. NO HYDROCARBON ODOR
		17						BORING TERMINATED @ 16 FT.
		18						
		19						



PROJECT: 2842

DATE DRILLED: 6/24/05

SITE LOCATION: 5565 Tesla Road,
Livermore, CA

CASING ELEVATION: NA

DRILLER: Woodward Drilling

DEPTH TO GW: 13.5'

DRILLING METHOD: HSA

T.O.C. TO SCREEN: NA

BORING DIAMETER: 8"

SCREEN LENGTH: NA

LOGGED BY: J Lohman

APPROVED BY: Sepehr M, Ph.D., PE

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT-SPOON CORE SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM NA
				Hand Auger top 5'				
62	5		CL	5-7' No recovery SILTY CLAY WITH GRAVEL (20%): Tan, low plasticity, damp; Medium Estimated Permeability (MEK). Medium Petroleum Hydrocarbon (PHC) odor.	NR		35 50 23 27 32 12	
62								
584	10		CL	SILTY CLAY: Orange mottled olive/black, low plasticity, moist; Low Estimated Permeability (LEK). Strong PHC odor.			4 6 10 12	
688							6 7 9 17	
786			CL	SILTY CLAY WITH GRAVEL (20%) & SAND (10%): Tan, saturated, gravel up to 1", poorly sorted; HEK. Strong PHC odor.		▽	20 20 10 6	
	15							
	20							
	25							

COMMENTS: TD@14ft, GW@ 13.5, Soil Sample @ 12.5'-13'; Strong PHC odor.



GEOLOGIC LOG OF BOREHOLE: B-10

PROJECT: 2842

DATE DRILLED: 6/24/05

SITE LOCATION: 5565 Tesla Road,
Livermore, CA

CASING ELEVATION: NA

DRILLER: Woodward Drilling

DEPTH TO GW: 19ft

DRILLING METHOD: HSA

T.O.C. TO SCREEN: NA

BORING DIAMETER: 8"

SCREEN LENGTH: NA

LOGGED BY: J Lohman

APPROVED BY: Sepehr M, Ph.D., PE

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON SAMPLED CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM NA
	0			Hand Auger top 5'				
	5		SM	SILTY SAND: Tan, fine grained, fining downwards; High Estimated Permeability (HEK). No Petroleum Hydrocarbon (PHC) odor.			7 9 11 12	
	6		CL	SILTY CLAY: Brown mottled gray, medium plasticity, firm; Medium Estimated Permeability (MEK). No PHC odor.			6 7 10 10	
	10			Higher plasticity and firmness w/ depth- increasing dampness w/ depth			7 10 11 12	
	15						6 6 10 10	
	20						11 13 18 23	
	20					▽	7 8 10 10	
	25						7 11 17 22	

COMMENTS: TD @ 20ft; GW @ 19' ; No PHC odor.



GEOLOGIC LOG OF BOREHOLE:
Calibration Borehole (CPT-5)

PROJECT: 2842	DATE DRILLED: October 24, 2005
SITE LOCATION: 5565 Tesla Road, Livermore	CASING ELEVATION: NA
DRILLER: Gregg Drilling & Testing	DEPTH TO GW: NA
DRILLING METHOD: Hollow Stem Auger	T.O.C. TO SCREEN: NA
BORING DIAMETER: Approximately 6"	SCREEN LENGTH: NA
LOGGED BY: E Jennings	APPROVED BY: M Sepehr Ph. D., P.E.

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON SAMPLED CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
				Hand auger borehole to 5 feet below ground surface (bgs)	Hand auger to 5'			
	5	SM/ML		SILTY SAND/SANDY SILT: brown; damp - moist; medium dense; alluvial sand; medium estimated permeability.				
	1.5							4
	2	CL		SILTY CLAY WITH SOME SAND: brown slight mottled dark gray brown; damp - moist; soft - firm; slightly plastic; small percentage of fine sand (20%); medium estimated permeability. (8.5 feet) Brown slight mottled red/orange brown; (with depth).				8
	10	CL		SILTY CLAY: light gray brown slight mottled dark gray brown; moist; firm; moderately plastic - very plastic; medium estimated permeability.				13
	1.5							15
	1.5	CL		SILTY CLAY WITH SOME SAND: light gray brown slight mottled black and red/orange brown; moist - very moist; soft - firm; very plastic; small percentage of fine sand (20%); medium estimated permeability.				5
	15	CL		SILTY CLAY: gray brown slight mottled red/orange brown; moist; stiff - very stiff; moderately plastic - very plastic; low estimated permeability.				9
	1.5			(15.5 feet) Gray brown mottled black, light gray, and red/orange brown; very moist; soft-firm; increase in percentage of sand; (with depth).				10
	20	SW/GW		SAND, GRAVEL MIXTURE: brown; wet - saturated; loose - medium dense; angular, coarse gravel particles 2 in. maximum size; high estimated permeability.			▽	12
	2						4	
	25						12	
							16	
							16	
							24	
							30	
							16	
							29	
							50	
							15	
							27	
							50	

COMMENTS:



GEOLOGIC LOG OF BOREHOLE:
Calibration Borehole (CPT-5)

PROJECT: 2842

DATE DRILLED: October 24, 2005

SITE LOCATION: 5565 Tesla Road, Livermore

CASING ELEVATION: NA

DRILLER: Gregg Drilling & Testing

DEPTH TO GW: NA

DRILLING METHOD: Hollow Stem Auger

T.O.C. TO SCREEN: NA

BORING DIAMETER: Approximately 6"

SCREEN LENGTH: NA

LOGGED BY: E Jennings

APPROVED BY: M Sepehr Ph. D., P.E.

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE	SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	30			(25 - 38 feet) No Recovery (NR).					
	35								
	40		CL	SILTY CLAY: brown slight mottled black; moist; stiff - very stiff; moderately plastic - very plastic; low estimated permeability. (40 feet) Brown slight mottled red/orange brown and gray brown; soft - firm; very plastic; (with depth).				25 40 50 10 25 41 14 41 50 20 40 50 19 50 50 50	
1.5	45								
	50							Not recorded	

COMMENTS:



GEOLOGIC LOG OF BOREHOLE:
Calibration Borehole (CPT-5)

PROJECT: 2842	DATE DRILLED: October 24, 2005
SITE LOCATION: 5565 Tesla Road, Livermore	CASING ELEVATION: NA
DRILLER: Gregg Drilling & Testing	DEPTH TO GW: NA
DRILLING METHOD: Hollow Stem Auger	T.O.C. TO SCREEN: NA
BORING DIAMETER: Approximately 6"	SCREEN LENGTH: NA
LOGGED BY: E Jennings	APPROVED BY: M Sepehr Ph. D., P.E.

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON SAMPLED CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	1.5	[Graphic Log Area]	CL	SILTY CLAY WITH SOME SAND: brown slight mottled gray brown; moist - very moist; soft - firm; moderately plastic; small percentage of fine sand (20%); medium estimated permeability.			14 41 50	
	55			(55 feet) Brown mottled red/orange brown; (with depth).			Not recorded	
	1.5	[Graphic Log Area]	CL	SILTY CLAY INTERBEDDED WITH SAND AND GRAVEL: brown mottled red/orange brown; very moist - wet; rounded and subangular sand grains, fine - medium; hard, angular gravel particles 1½ in. maximum size; high estimated permeability.			29 50 50	
	60						Not recorded	
		[Graphic Log Area]	SW/GW	SAND, GRAVEL MIXTURE: brown; wet - saturated; loose - medium dense; angular, coarse gravel particles 2½ in. maximum size; high estimated permeability.			50 50 50	
	65							
	70							
	75							

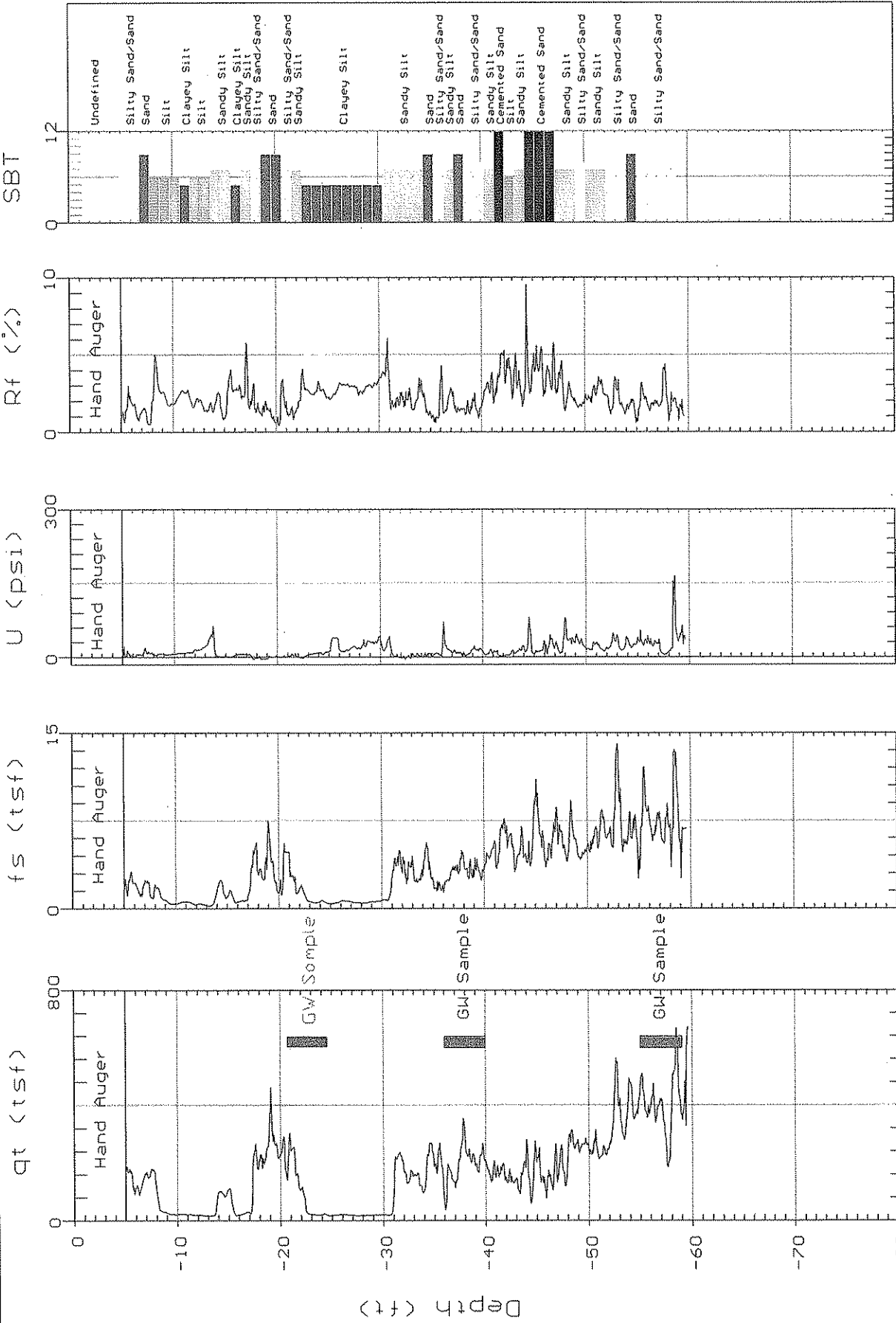
COMMENTS: Total Depth 62' bgs



SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-01

Engineer: J. LOHMAN
Date: 10:27:105 10:04



SBT: Soil Behavior Type (Robertson 1990)

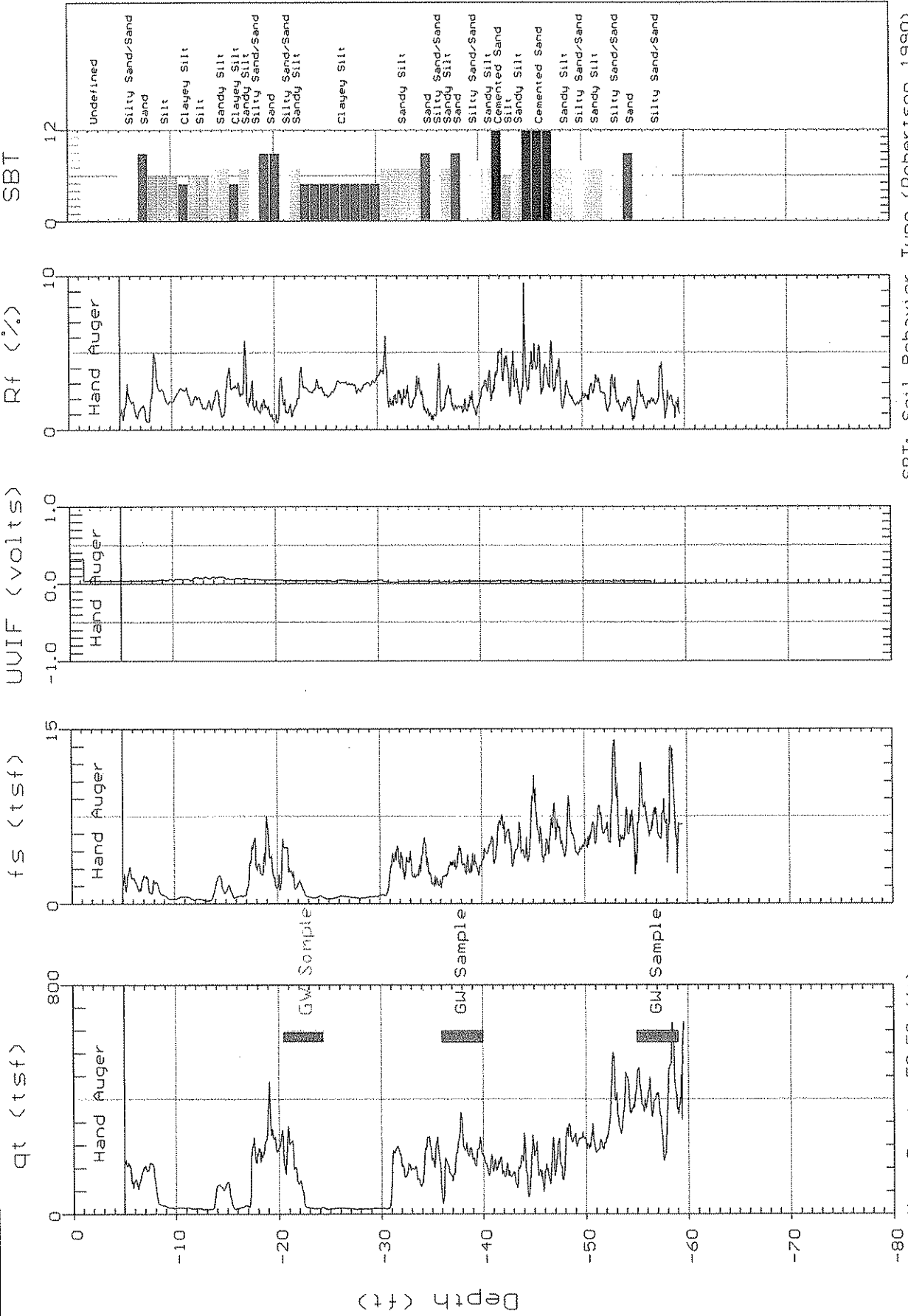
Max. Depth: 59.58 (ft)
Depth Inc.: 0.066 (ft)



SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-01

Engineer: J. LOHMAN
Date: 10:27:105 10:04



SBT: Soil Behavior Type (Robertson 1990)

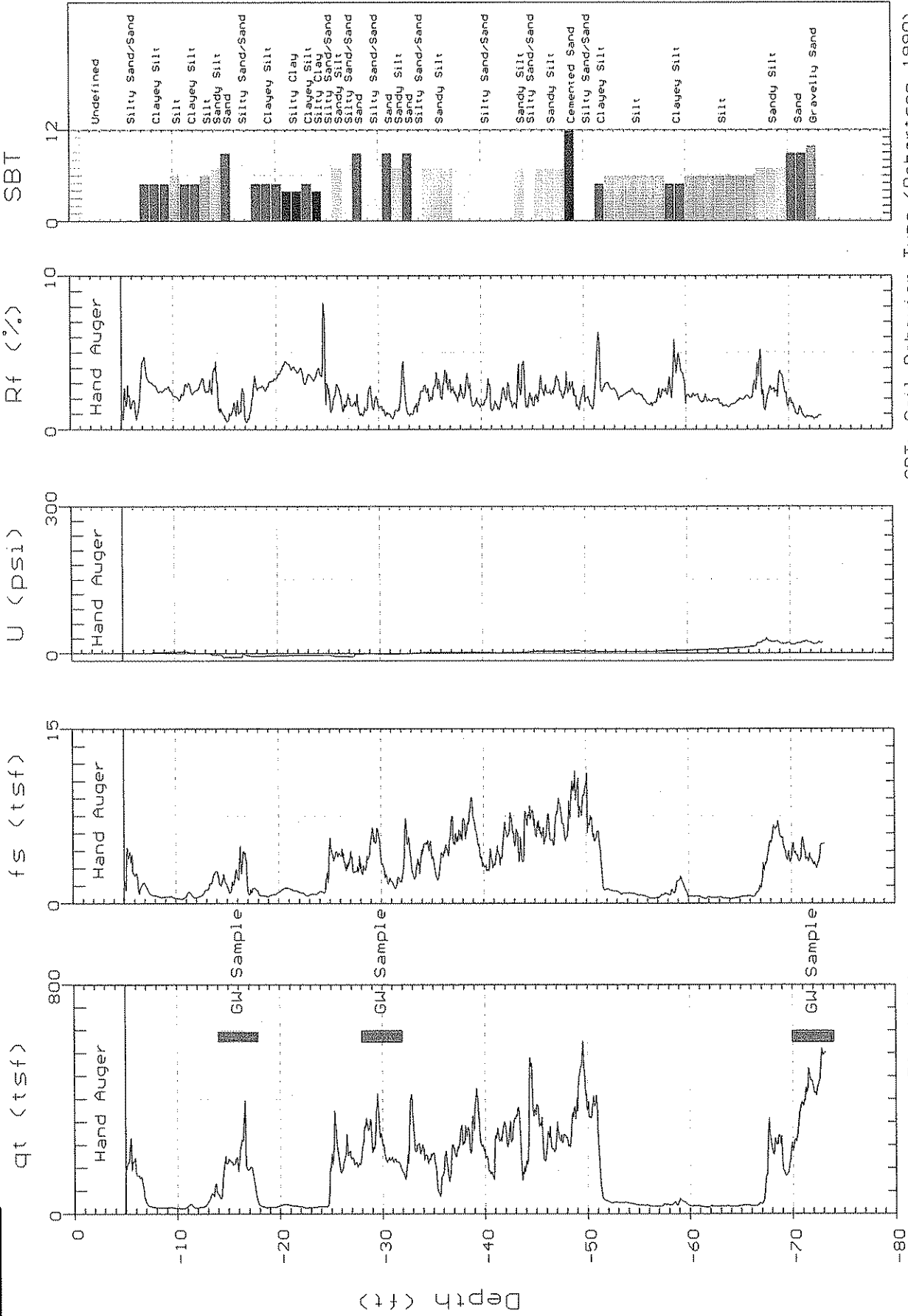
Max. Depth: 59.58 (ft)
Depth Inc.: 0.066 (ft)



SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-02

Engineer: J. LOHMAN
Date: 10:27:105 08:08



SBT: Soil Behavior Type (Robertson 1990)

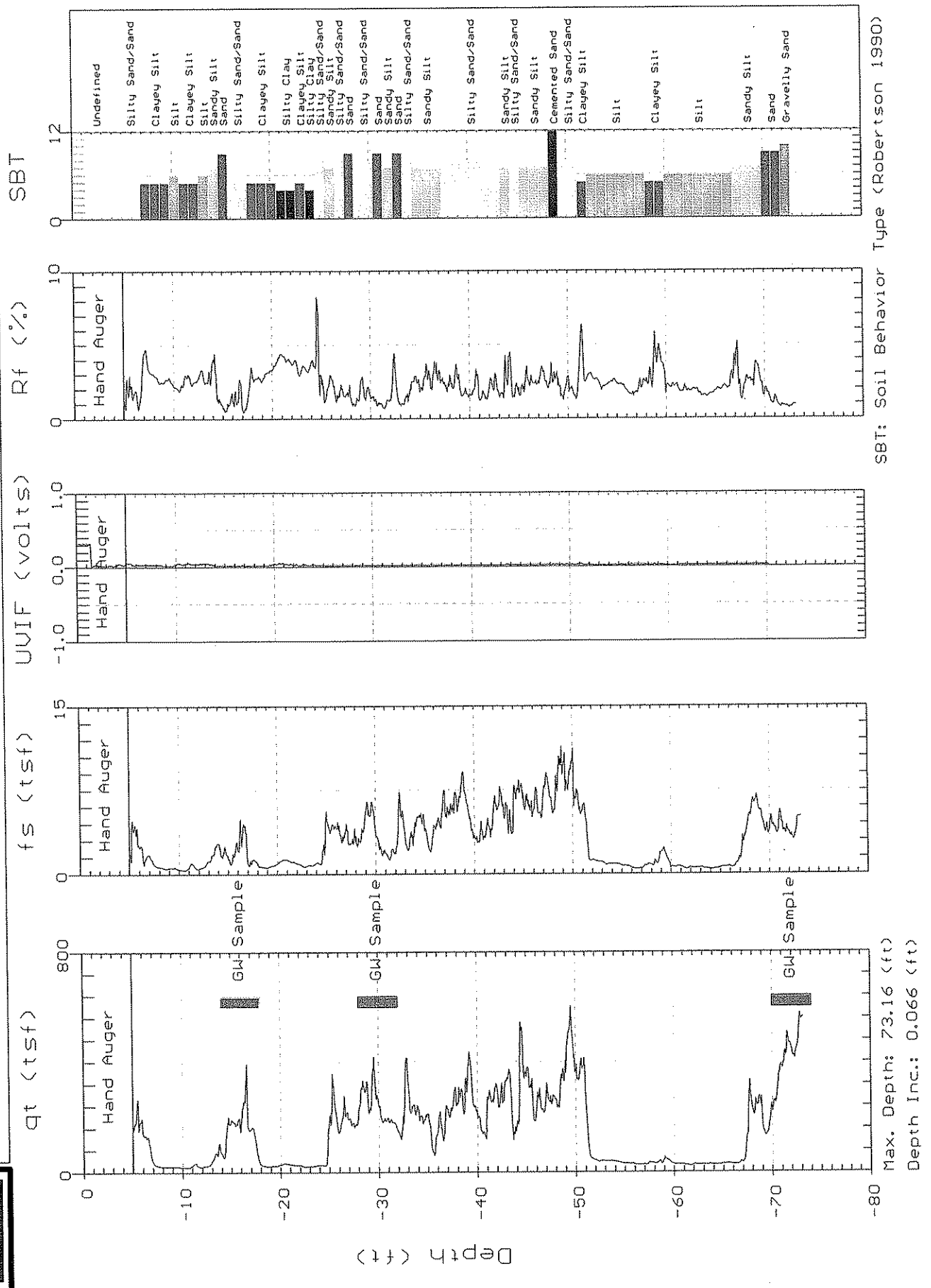
Max. Depth: 73.16 (ft)
Depth Inc.: 0.066 (ft)



SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-02

Engineer: J. LOHMAN
Date: 10:27:105 08:08



SBT: Soil Behavior Type (Robertson 1990)

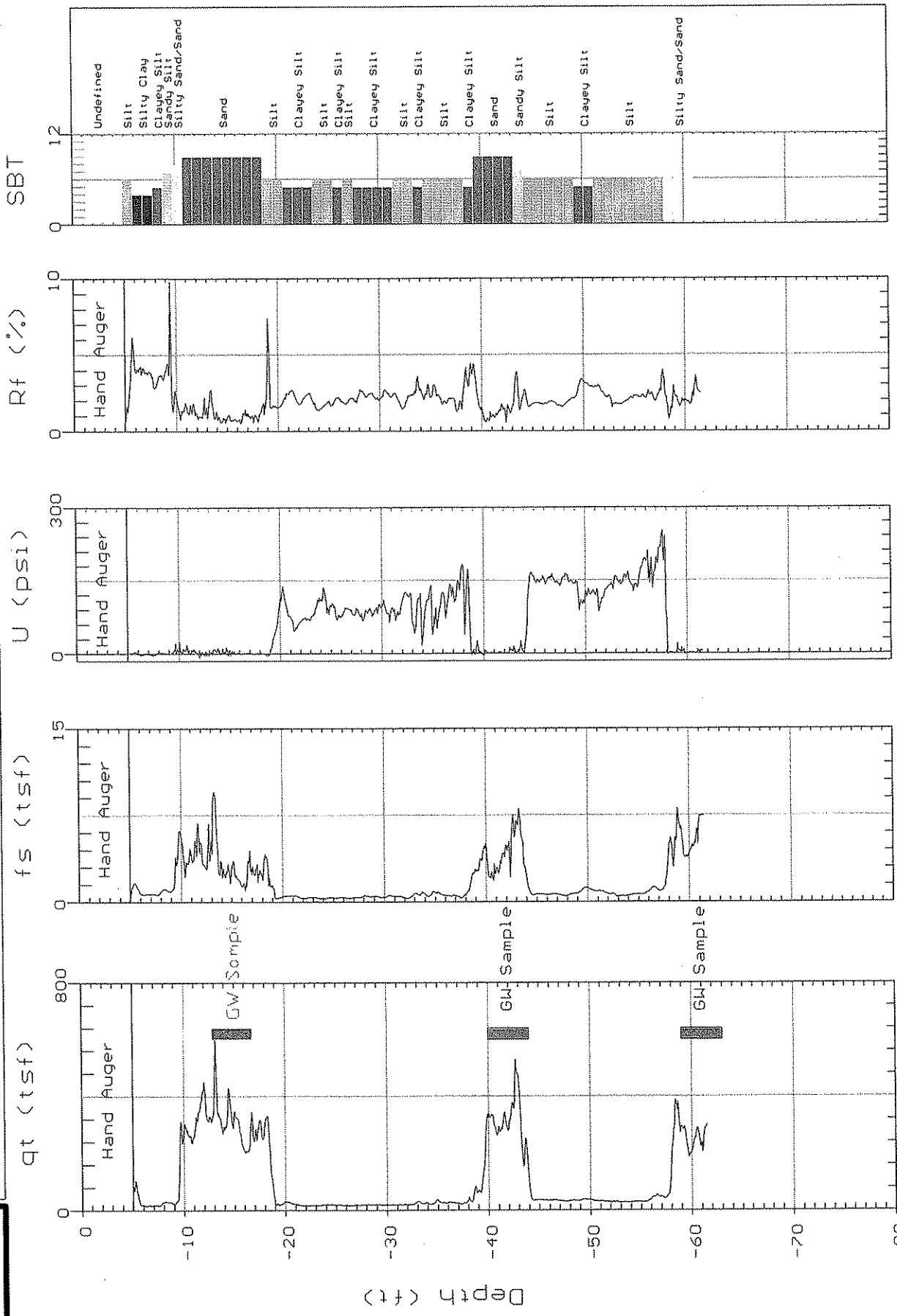
Max. Depth: 73.16 (ft)
Depth Inc.: 0.066 (ft)



SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-03

Engineer: J. LOHMAN
Date: 10:26:105 10:32



SBT: Soil Behavior Type (Robertson 1990)

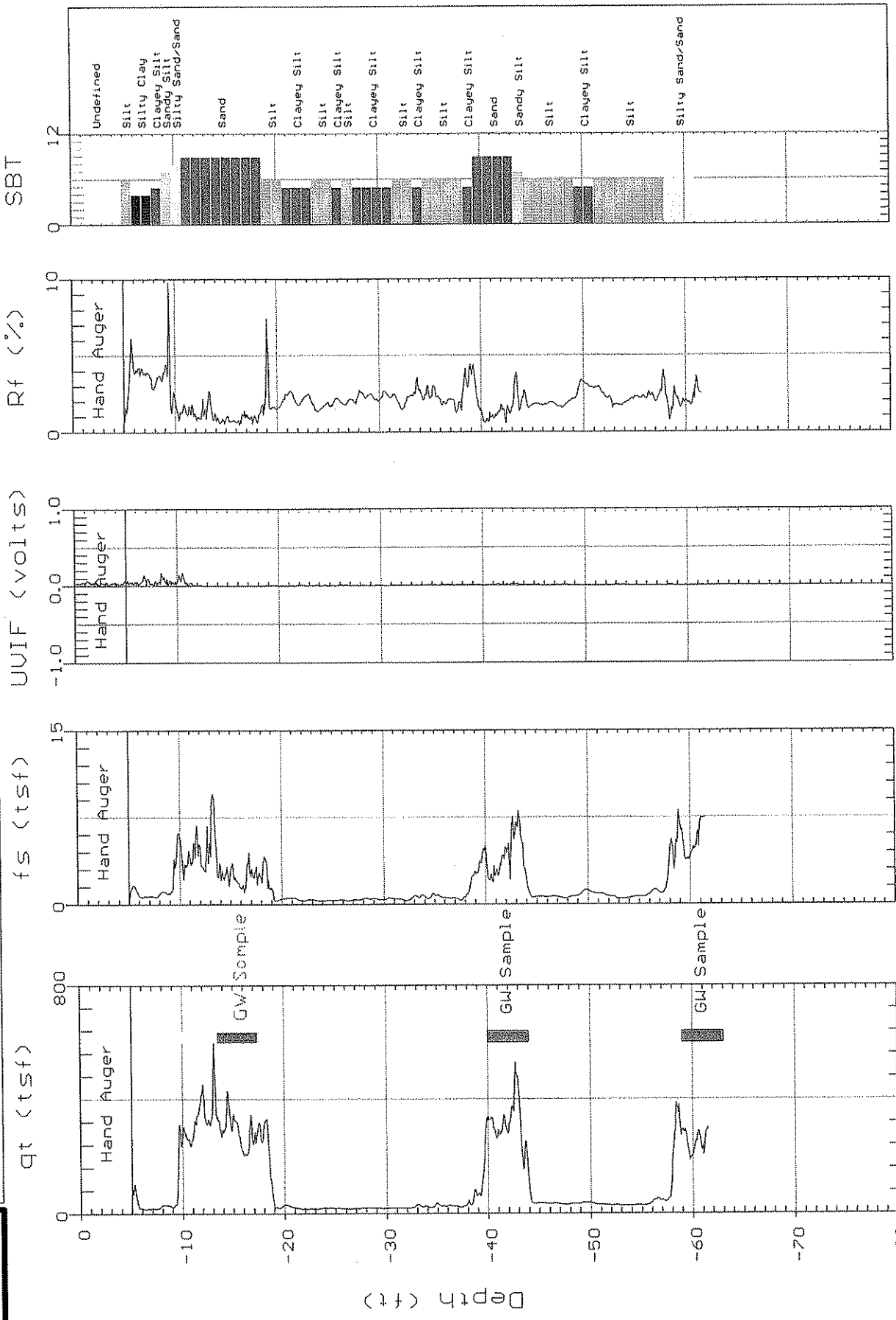
Max. Depth: 61.48 (ft)
Depth Inc.: 0.066 (ft)



SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-03

Engineer: J. LOHMAN
Date: 10:26:105 10:32



SBT: Soil Behavior Type (Robertson 1990)

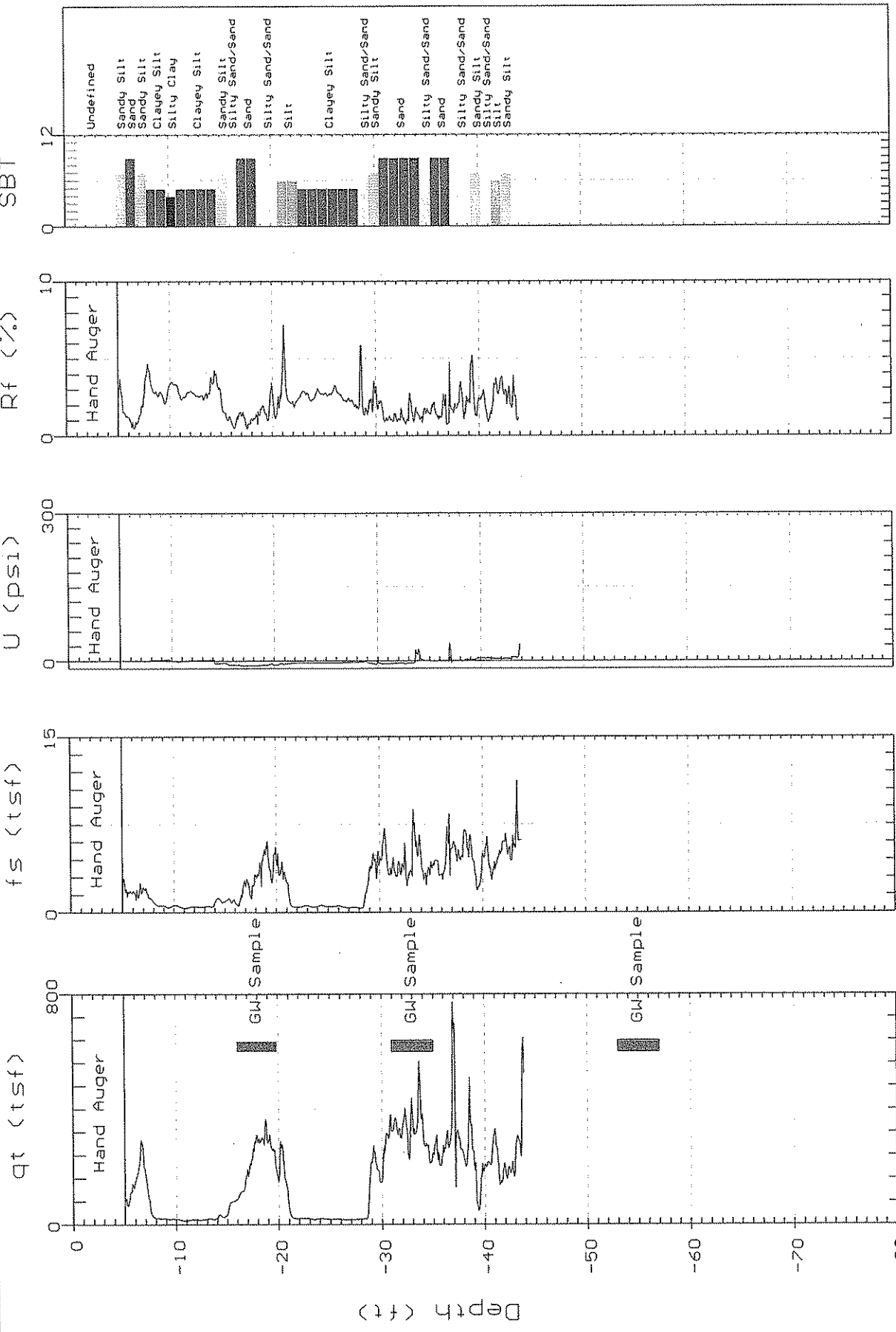
Max. Depth: 61.48 (ft)
Depth Inc.: 0.066 (ft)



SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-04

Engineer: J. LOHMAN
Date: 10/27/05 05:35



SBT: Soil Behavior Type (Robertson 1990)

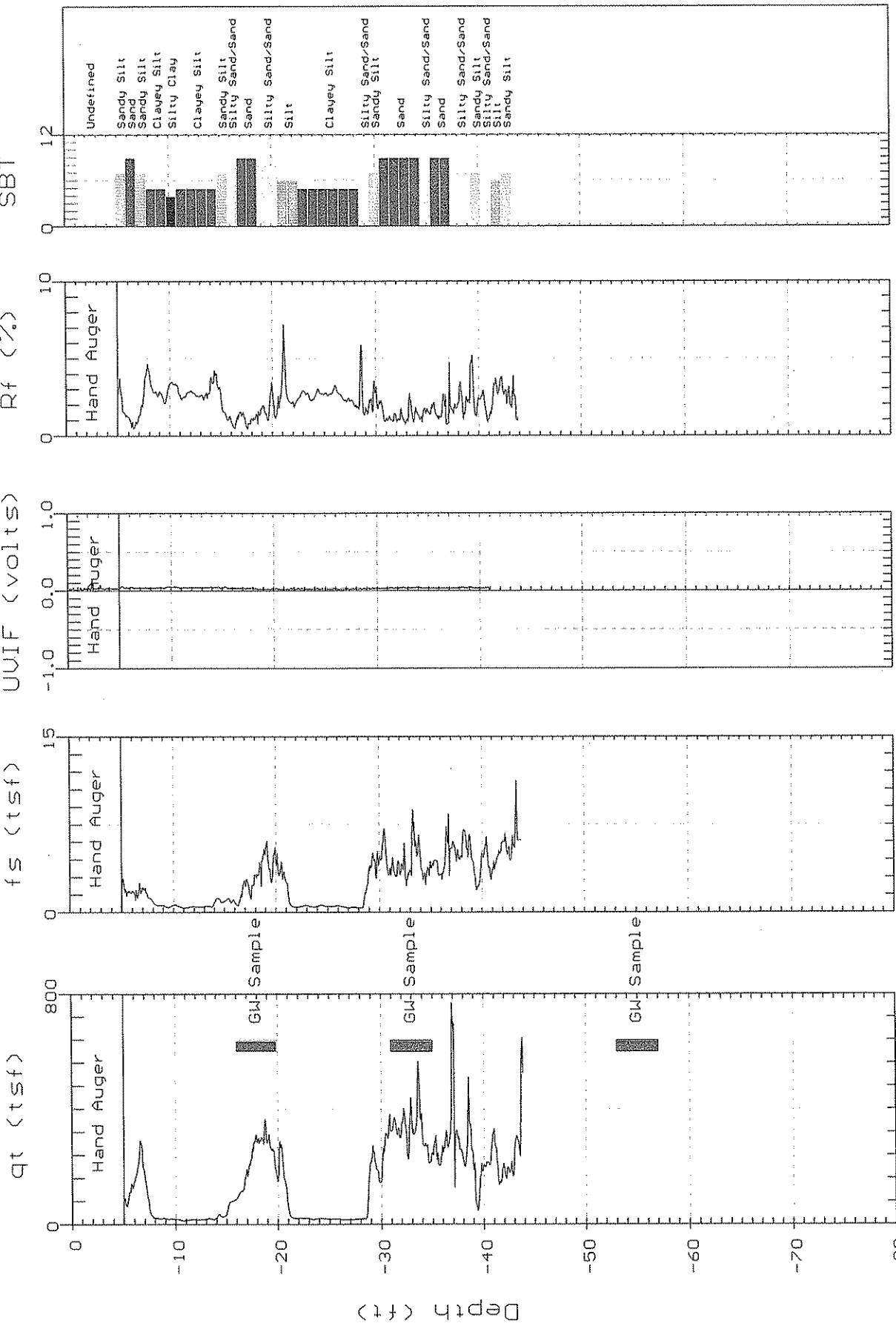
Max. Depth: 43.83 (ft)
Depth Inc.: 0.066 (ft)



SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-04

Engineer: J. LOHMAN
Date: 10:27:105 05:35



SBT: Soil Behavior Type (Robertson 1990)

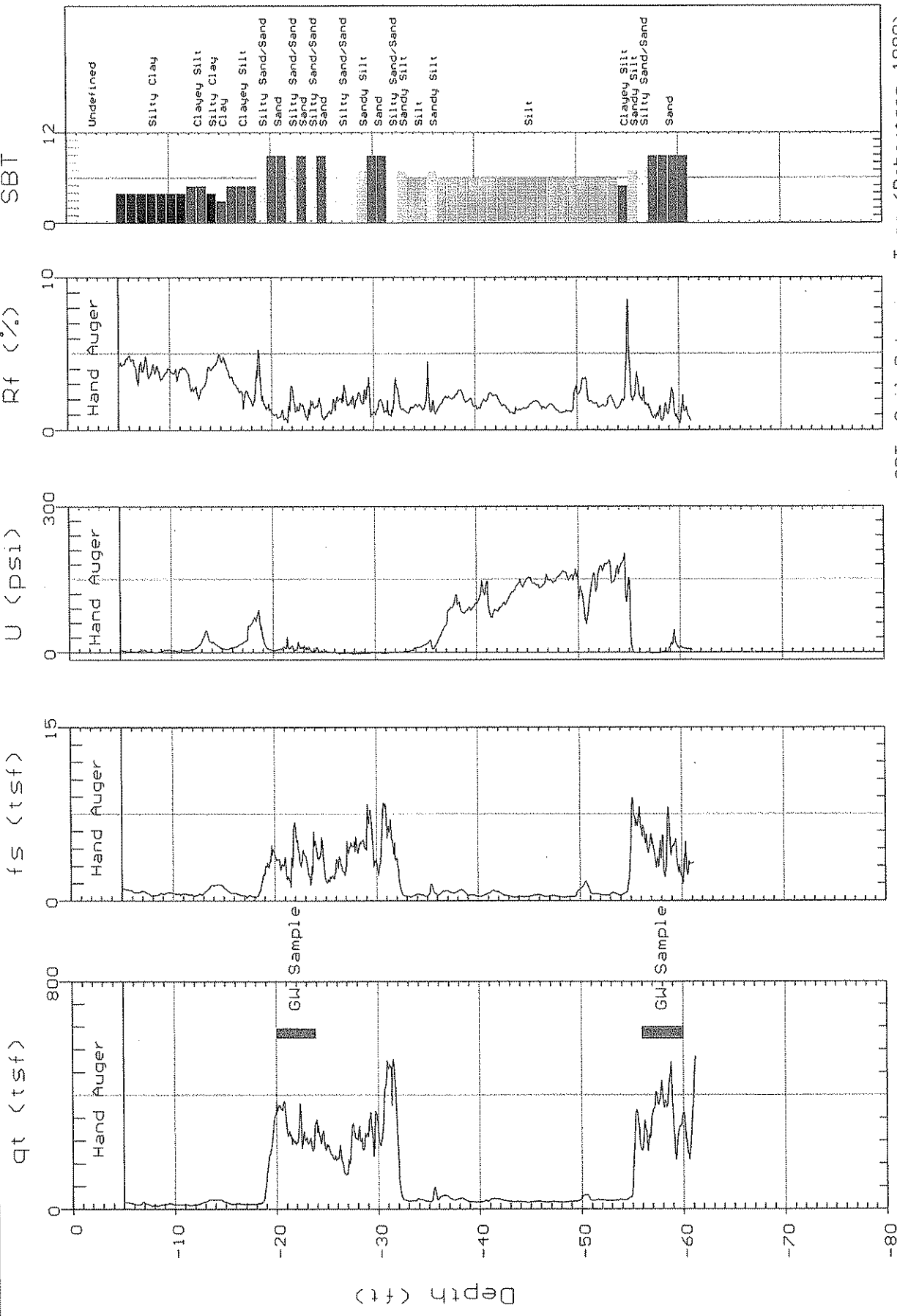
Max. Depth: 43.83 (ft)
Depth Inc.: 0.066 (ft)



SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-05

Engineer: J. LOHMAN
Date: 10:26:105 06:07



SBT: Soil Behavior Type (Robertson 1990)

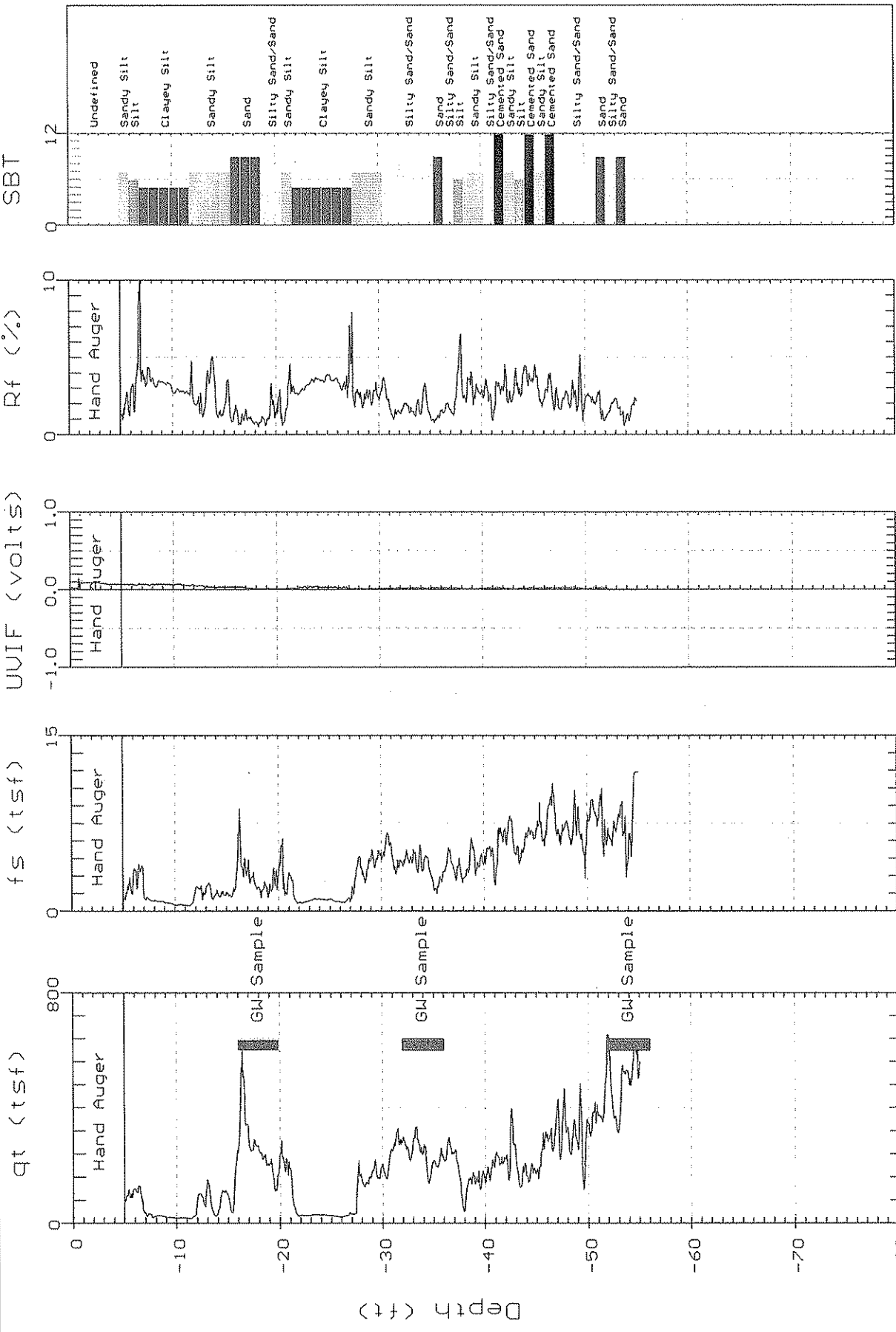
Max. Depth: 61.15 (ft)
Depth Inc.: 0.066 (ft)



SOMA ENVIRONMENTAL

Site: TESLA ROAD
Location: CPT-06

Engineer: J. LOHMAN
Date: 10:27:105 03:53



SBT: Soil Behavior Type (Robertson 1990)

Max. Depth: 54.99 (ft)
Depth Inc.: 0.066 (ft)



PROJECT: 2842
 SITE LOCATION: 5565 Tesla Road
 Livermore
 DRILLER: WDC Drilling
 DRILLING METHOD: Hollow Stem Auger
 BORING DIAMETER: 8 inches
 LOGGED BY: E. Hightower

DATE DRILLED: 3/12/2008
 CASING ELEVATION:
 DEPTH TO GW: 23 ft.
 T.O.C. TO SCREEN: 25 ft.
 SCREEN LENGTH: 10 ft.
 APPROVED BY: M. Sepehr, Ph.D., P.E.

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON SAMPLED CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	5			Hand Auger top five feet.				
2.4	5		CL	SANDY CLAY (CL): With some fine-grained gravel; dark brown; firm; moist; fine- to coarse-grained sand; no petroleum hydrocarbon (PHC) odor.	MWS-1 5 FT		25 36 36	<p>4" Schedule 40 PVC Pipe Cement/Bentonite Grout Bentonite Seal Monterey #3</p>
3.3	10		CL	As above.	MWS-1 10 FT		14 14 16	
2.8	15		CL	SILTY CLAY (CL): With some fine-grained sand; light brown; firm; moist; no PHC odor.	MWS-1 15 FT		7 7 12	
4.1	20		CL	SANDY CLAY (CL): With some fine-grained gravel; dark brown; firm; wet; fine- to coarse-grained sand; no PHC odor.				
2.1	25							

COMMENTS:



PROJECT: 2842

DATE DRILLED: 3/12/2008

SITE LOCATION: 5565 Tesla Road, Livermore

CASING ELEVATION: 616.86 ft.

DRILLER: WDC Drilling

DEPTH TO GW: 23 ft.

DRILLING METHOD: Hollow Stem Auger

T.O.C. TO SCREEN: 25 ft.

BORING DIAMETER: 8 inches

SCREEN LENGTH: 10 ft.

LOGGED BY: E. Hightower

APPROVED BY: M. Sepehr, Ph.D., P.E.

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON SAMPLED CORE	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
4.6	30	[Stippled pattern]	SP	SAND (SP): Dark gray; loose; saturated; fine- to coarse-grained sand; no PHC odor.	MWS-1 30 FT		10 10 11	
	35	[Stippled pattern]	SP	SAND (SP): Dark gray; loose; moist; fine- to coarse-grained sand; no PHC odor.	MWS-1 35 FT		5 10 12	
	40							
	45							
	50							

COMMENTS: TD @ 35 ft.



GEOLOGIC LOG OF BOREHOLE: MWS-2

PROJECT: 2842
 SITE LOCATION: 5565 Tesla Road, Livermore
 DRILLER: WDC Drilling
 DRILLING METHOD: Hollow Stem Auger
 BORING DIAMETER: 8 inches
 LOGGED BY: E. Hightower

DATE DRILLED: 3/12/2008
 CASING ELEVATION: 613.96 ft.
 DEPTH TO GW: 10 ft.
 T.O.C. TO SCREEN: 10 ft.
 SCREEN LENGTH: 15 ft.
 APPROVED BY: M. Sepehr, Ph.D., P.E.

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	SPLIT SPOON CORE SAMPLED	GW LEVEL	BLOWCOUNTS	WELL DIAGRAM
	5			Hand Auger top 5 ft.				
	5		SM	No sample recovery @ 5 ft. SILTY SAND (SM): With fine-grained gravel; light brown; loose; dry; fine-to coarse-grained sand; no Petroleum Hydrocarbon (PHC) odor.	NO RECOVERY @ 5 FT.			
3.4	10		SM	SILTY SAND (SM): With fine-grained gravel; brown; loose; saturated; fine-to coarse-grained sand; no PHC odor.	MWS-2: 9 FT	8 11		
2.6	15		CL	SANDY CLAY (CL): Olive brown with orange mottling; stiff; saturated; fine-to coarse-grained sand; no PHC odor.	MWS-2: 15 FT	7 11 14		
3.9	20		CL	SANDY CLAY (CL): Brown; stiff; saturated; fine- to coarse-grained sand; no PHC odor.	MWS-2: 20 FT	50 6		
	25							

COMMENTS: TD @ 25 ft.