FOR CONTRACT NO.: 01-3986U4
PROJECT ID: 0100020263

INFORMATION HANDOUT

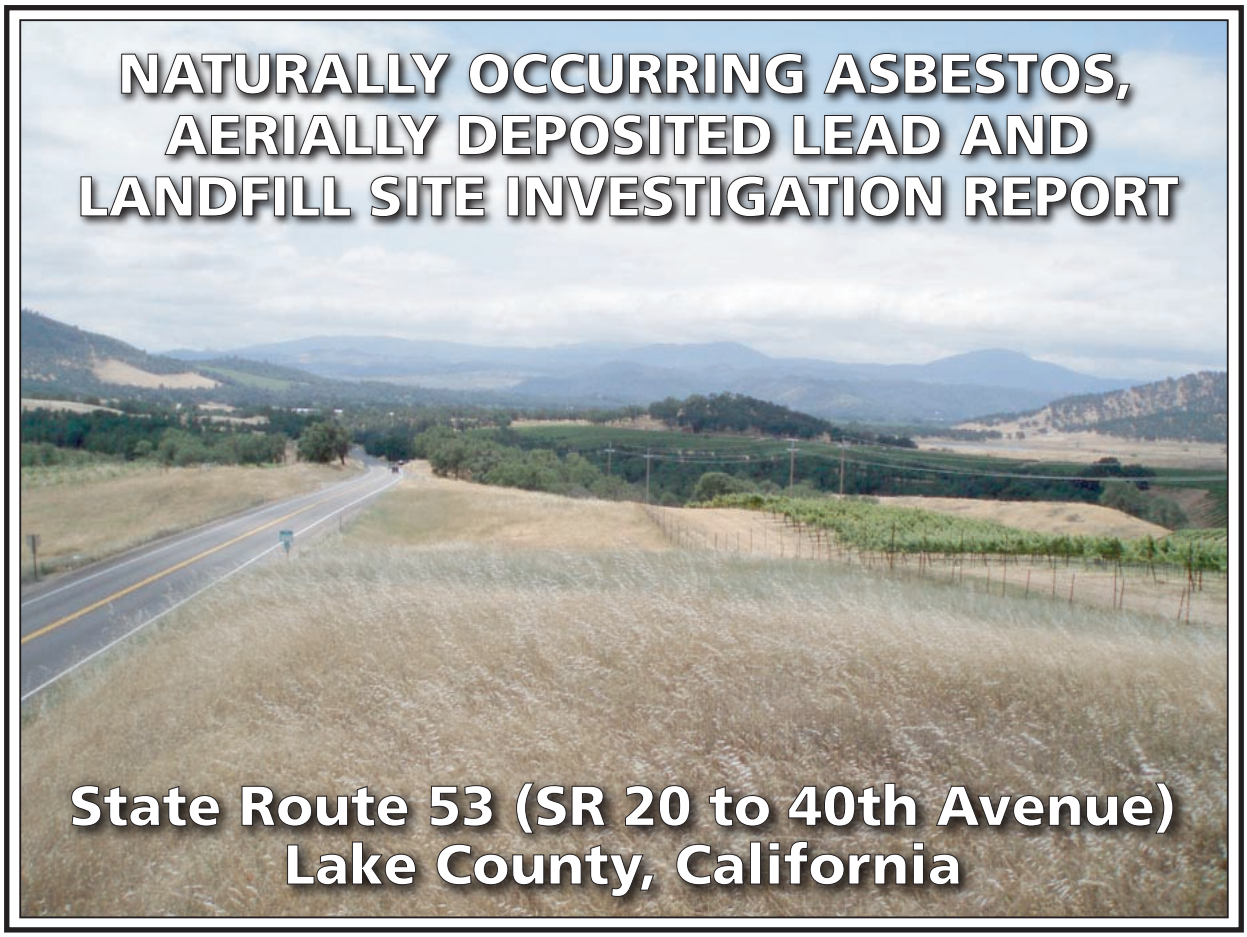
(ADDITIONAL)

MATERIALS INFORMATION

SITE INVESTIGATION REPORT

ROUTE: 01-Lak-53-PM 2.8/7.5
ADDED PER ADDENDUM NO. 2 DATED NOVEMBER 22, 2010

NATURALLY OCCURRING ASBESTOS, AERIALLY DEPOSITED LEAD AND LANDFILL SITE INVESTIGATION REPORT



State Route 53 (SR 20 to 40th Avenue)
Lake County, California

PREPARED FOR:

CALIFORNIA DEPARTMENT OF TRANSPORTATION
DISTRICT 3
P.O. BOX 911
MARYSVILLE, CALIFORNIA 95901

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GEOCON PROJECT NO. S8875-06-101
TASK ORDER NO. 101, EA 01-466400 & 01-398600

JULY 2006

Project No. S8875-06-101
July 17, 2006

Mr. Mark Melani
California Department of Transportation – District 3
703 B Street
P.O. Box 911
Marysville, California 95901

Subject: STATE ROUTE 53 (FROM STATE ROUTE 20 TO 40TH AVENUE)
01-LAK-53, POST MILE 2.95 AND 3.05/7.45, LAKE COUNTY, CALIFORNIA
CONTRACT NO. 03A0937, TASK ORDER NO. 101 EA 01-466400 & EA 01-398600
AERIALLY DEPOSITED LEAD, NATURALLY OCCURRING ASBESTOS AND LANDFILL INVESTIGATION REPORT

Dear Mr. Melani:

In accordance with California Department of Transportation (Caltrans) Contract No. 03A0937 and Task Order Number No. 101, EA 01-466400 and EA 01-398600, we have performed environmental engineering services for the project. The site consists of the Caltrans right-of-way affected by the roadway improvement activities along State Route 53 from State Route 20 to approximately 500 feet south of the 40th Avenue intersection, in the vicinity of Post Mile (PM) 2.95 to PM 7.45, in Lake County, California. The accompanying report summarizes the services performed including a geological reconnaissance, the excavation of 17 hand-auger and 74 direct-push borings for aerially deposited lead, naturally occurring asbestos, total metals and semi-volatile organic compounds, geophysical survey and laboratory testing.

The contents of this report reflect the views of the author, who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation.

Please contact us should you have any questions concerning the contents of this report or if we may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.

David W. Bieber, CEG, CHG, PGP
Project Manager

James E. Winslow, EIT
Sr. Staff Engineer

JEW:DWB:krh

(5 + 2CD) Addressee

TABLE OF CONTENTS

AERIALLY DEPOSITED LEAD, NATURALLY OCCURRING ASBESTOS AND LANDFILL INVESTIGATION REPORT Page

1.0 INTRODUCTION 1
1.1 Project Description and Proposed Improvements 1
1.2 General Objectives 1

2.0 BACKGROUND 2
2.1 Potential Lead and Title 22 Metals Soil Impacts 2
2.2 Naturally Occurring Asbestos 3
2.3 Landfill 3

3.0 SCOPE OF SERVICES 5
3.1 Pre-field Activities 5
3.2 Field Activities 5

4.0 INVESTIGATIVE METHODS 7
4.1 ADL Investigation 7
4.2 NOA Investigation 7
4.3 Landfill/Archaeological Investigation 8
4.3.1 Landfill and Archaeological Site – Intersection LAK-53 and 40th Avenue 8
4.3.2 Archaeological Site – North of Polk Street 9
4.4 Traffic Control 9
4.5 Quality Assurance/Quality Control Procedures 9
4.6 Laboratory Analyses 10
4.6.1 Aerially Deposited Lead Samples 10
4.6.2 Naturally Occurring Asbestos Samples 10
4.6.3 Landfill/Archaeological Samples 10
4.6.4 Laboratory QA/QC Procedures 11
4.7 Geophysical Survey 11

5.0 FIELD OBSERVATIONS AND INVESTIGATIVE RESULTS 12
5.1 Site Geology 12
5.2 ADL Soil Analytical Results 12
5.2 NOA Results 13
5.4 Landfill/Archaeological Soil Analytical Results 13
5.5 Statistical Evaluation for Lead Detected in Soil Samples 13
5.5.1 Total Lead Distribution 14
5.5.2 Calculating the UCLs for the True Mean 14
5.5.3 Correlation of Total and Soluble Lead 15

6.0 CONCLUSIONS AND RECOMMENDATIONS 16
6.1 ADL Soil Waste Disposal/Reuse Classification 16
6.2 NOA 16
6.3 Landfill/Archaeological Locations 16
6.4 Worker Protection 17

7.0 REPORT LIMITATIONS 18

TABLE OF CONTENTS (continued)

FIGURES

1. Vicinity Map
2-1 through 2-20. Site Plans

TABLES

1. Summary of Boring Coordinates and Asbestos Analytical Results
2. Summary of Boring Coordinates, Lead and Soil pH Analytical Results
3. Summary of Soil Analytical Data – Title 22 Metals and SVOCs

APPENDICES

A. Reproductions of the Caltrans Archaeologist Sketch Maps for the Native-American sites
B. Laboratory Reports and Chain-of-Custody Documentation
C. Letter Report Summarizing the Findings of the Geophysical Survey
D. Lead Statistics and Regression Analysis Results

AERIALLY DEPOSITED LEAD, NATURALLY OCCURRING ASBESTOS AND LANDFILL INVESTIGATION REPORT

1.0 INTRODUCTION

This Aerially Deposited Lead (ADL), Naturally Occurring Asbestos (NOA), and Landfill Investigation report for the State Route 53 (LAK-53) Highway Improvement Project in Lake County, California, was prepared under California Department of Transportation (Caltrans) Contract No. 03A0937 and Task Order (TO) No. 101, EA 01-466400 and EA 01-398600.

1.1 Project Description and Proposed Improvements

The Site consists of the Caltrans right-of-way along LAK-53 from the junction of State Route 53 and State Route 20 (LAK-20) to approximately 500 feet (ft) south of the 40th Avenue intersection in the town of Clear Lake, approximate Post Mile (PM) 2.95 to PM 7.45, Lake County, California. The approximate project location is depicted on the attached Vicinity Map, Figure 1. The Site is shown on the Site Plans, Figures 2-1 through 2-20. Caltrans intends to make improvements at the Site including roadway widening.

1.2 General Objectives

The construction will require the disturbance of soil, rock outcrops, and existing pavement at the Site. The purpose of the scope of services outlined in TO No. 101 was to evaluate the Site for the potential presence of impacts due to ADL from motor vehicle exhaust and NOA related to serpentine and ultramafic rock in the surface and near surface soils within the project boundaries. The investigative results will be used by Caltrans to inform the construction contractor if lead and/or NOA-impacted soil and rock are present within the project boundaries for health, safety and disposal purposes.

2.0 BACKGROUND

The Site is comprised of the roadway and shoulders in the vicinity of PM 2.95 in Clear Lake and from PM 3.05 to 7.45 along LAK-53 in Lake County, California. Caltrans has proposed roadway widening improvements at the Site. Caltrans requested assessment of the Site to provide data regarding the presence of ADL and NOA in soils and to determine if potential contaminants associated with an historic landfill are present within the proposed roadway improvement areas.

Regulatory criteria to classify a waste as "California hazardous" for handling and disposal purposes are contained in California Code of Regulations (CCR), Title 22, Division 4.5, Chapter 11, Article 3, § 66261.24 (Title 22, 66261.24). Criteria to classify a waste as "Resource, Conservation, and Recovery Act (RCRA) hazardous" are contained in Chapter 40 of the Code of Federal Regulations, Section 261. The above regulatory criteria are based on chemical concentrations. Wastes may also be classified as hazardous based on other criteria such as ignitability and corrosivity; however, for the purposes of this investigation, toxicity (i.e., lead and other metal concentrations) and corrosivity (i.e., pH analysis) are the primary factors considered for waste classification. Based on current and past site usage, onsite soil is not expected to exhibit other hazardous waste characteristics. Waste that is classified as either California hazardous or RCRA hazardous requires management as a hazardous waste.

The Department of Toxic Substances Control (DTSC) regulates and interprets hazardous waste laws in California. DTSC generally considers excavated or transported materials that exhibit "hazardous waste" characteristics to be a "waste" requiring proper management, treatment and disposal.

2.1 Potential Lead and Title 22 Metals Soil Impacts

Ongoing testing by Caltrans has indicated that ADL exists along major freeway routes due to emissions from vehicles powered by leaded gasoline. Caltrans reports that total lead concentrations in soil adjacent to the freeways have typically ranged between 50 and 700 milligrams per kilogram (mg/kg). At sites where soil has not been disturbed, the aerially deposited lead is generally limited to the upper 2 ft of soil within unpaved shoulder and median areas.

For waste containing metals, the waste is classified as California hazardous when: 1) the total metal content exceeds the respective Total Threshold Limit Concentration (TTLC); or 2) the soluble metal content exceeds the respective Soluble Threshold Limit Concentration (STLC) based on the standard Waste Extraction Test (WET). A waste may have the potential of exceeding the STLC when the waste's total metal content is greater than or equal to ten times the respective STLC value, since the WET uses a 1:10 dilution ratio. Hence, when a total metal is detected at a concentration greater than or equal to ten times the respective STLC, and assuming that 100 percent of the total metals are soluble, soluble metal analysis is required. According to RCRA, a material is classified as hazardous according

to when the soluble metal content exceeds the Federal regulatory level based on the Toxicity Characteristic Leaching Procedure.

Soil that contains lead above hazardous waste thresholds and is left in-place would not be necessarily classified by DTSC as a "waste." The DTSC has provided site-specific determinations that "movement of wastes within an area of contamination does not constitute "land disposal" and, thus, does not trigger hazardous waste disposal requirements." Therefore, lead-impacted soil that is scarified in-place, moisture-conditioned and recompacted during roadway improvement activities might not be considered a "waste." DTSC should be consulted to confirm waste classification. It is noted that in addition to DTSC regulations, health and safety requirements and other local agency requirements may also apply to the handling and disposal of lead-impacted soil.

2.2 Naturally Occurring Asbestos

The California Air Resources Board (CARB) has mitigation practices for construction, grading, quarrying, and surface mining operations that may disturb natural occurrences of asbestos outlined in Title 17 California Code of Regulations (CCR), Section 93105. NOA potentially poses a health hazard when it becomes an airborne particulate. The roadway improvement activities proposed on the Site could disturb NOA-containing rock and soil, thereby potentially creating an airborne asbestos hazard. Mitigation practices can reduce the risk of exposure to airborne NOA-containing dust. Dust suppression practices include wetting the materials being disturbed and wearing approved High Efficiency Particulate Air asbestos masks during construction activities. Similar asbestos dust control methods are outlined in the Title 17 CCR, Section 93106 for airborne asbestos in road surfacing applications. Using surfacing material with 0.25% or more asbestos material is not permitted and wetting of the material or the application of a surface sealant is recommended to minimize disturbance of the asbestos material. Onsite reuse or disposal of NOA-containing materials is allowed by Title 17 CCR 93106 and Title 17 CCR 93105 if it is buried under at least 0.25 ft of material that does not contain NOA.

2.3 Landfill

Caltrans understands that an abandoned domestic landfill is present on the Site at the northwest corner of the intersection of LAK-53 and 40th Avenue. The landfill is colocated with one of two documented Native-American archaeological sites: one at the 40th Avenue intersection and one north of Polk Street. The boundaries of the historic debris landfill and the archaeological sites are depicted on the Site Plans, Figures 2-1 and 2-4. Copies of the archaeological locations provided by Caltrans are included in Appendix A.

The primary contaminants of concern associated with the past landfill activities identified by Caltrans include, semi-volatile organic compounds (SVOCs) and Title 22 metals. Waste classification

considerations are discussed in Section 2.1 of this report. For wastes containing SVOCs, the waste is classified as California hazardous when the total compound of concern is present at or above the respective regulatory limit as set forth in Title 22, Section 66261.24. A material is classified as RCRA hazardous, or Federal hazardous, when present at or above the Federal regulatory limit.

3.0 SCOPE OF SERVICES

The following scope of services as requested by Caltrans in TO No. 101 included geologic assessment of the Site for NOA, the collection of soil samples for analysis to determine ADL, NOA, CCR Title 22 Metals, and SVOCs content, a limited geophysical investigation, and the preparation of this report.

3.1 Pre-field Activities

- Conducted a Task Order Meeting on June 6, 2006, to discuss the TO scope of services. Caltrans representatives Mark Melani, Caltrans archeological and historical personnel and Geocon representative David Bieber attended the meeting. The purpose of the Task Order Meeting was to identify and observe the project boundaries and conditions and to mark the individual boring locations with white paint for subsequent utility clearance.
- Prepared a Workplan dated June 9, 2006, which describes the requested scope of services and quality assurance/quality control (QA/QC) sampling and laboratory procedures.
- Prepared a Health and Safety Plan dated June 10, 2006, to provide guidelines on the use of personal protective equipment and the health and safety procedures implemented during the field activities.
- Contacted the local public utilities via Underground Service Alert (USA) (Ticket Number 201033) on June 8, 2006, to attempt to delineate subsurface public utilities and conduits in proximity to the proposed boring locations.
- Retained the services of Advanced Technology Laboratories (ATL), a Caltrans-approved and California-certified analytical laboratory, to perform the chemical analysis of samples.
- Retained the services of EMSL Inc. (EMSL), a Caltrans-approved and California-certified analytical laboratory, to perform the asbestos analysis of samples.
- Retained the services of Spectrum Geophysics, a Caltrans-approved contractor, to perform the geophysical survey.

3.2 Field Activities

The Site was marked for USA clearance on June 6, 2006, and a preliminary geological reconnaissance was performed on June 12, 2006, by David Bieber, a California Certified Engineering Geologist (CEG No. 2092) with specialized experience in the assessment of NOA. The geophysical survey activities were conducted on June 14, 2006.

On June 12 to 14, 2006, 17 hand-auger and 74 direct-push borings were advanced on the site to facilitate the collection of 29 soil samples for NOA analysis, 231 soil samples for ADL analysis, seventeen soil samples for CCR Title 22 metals analysis and one soil sample for SVOC analysis. Due to the presence of the two archaeological sites, one at the intersection of LAK-53 and 40th Avenue and one archaeological site north of Polk Street, hand-auger methods were utilized in excavating the soil material for analysis under the oversight of a Caltrans archaeologist. Following the sample collection,

the borings were backfilled with the soil cuttings. Details of the field activities are presented in the following sections.

The ADL, NOA, CCR Title 22 metals, and SVOC sample locations were chosen in the field by the Geocon field supervisor and Caltrans Quality Assurance manager. The location of each boring was determined using a differential global positioning system (GPS) with the exception of borings HA16 and HA17. GPS data points locating the latitude and longitude position of these sample locations were not available because there were not enough available satellites to triangulate the position at the time of sampling. The GPS was utilized during the field activities to locate the horizontal position of the sample location with an error of no more than 3.3 ft. The latitude and longitude coordinates of the ADL, NOA, CCR Title 22 metals, and SVOC sample locations are summarized on Tables 1 and 2. The approximate boring locations are depicted on the Site Plans, Figures 2-1 through 2-20.

4.0 INVESTIGATIVE METHODS

4.1 ADL Investigation

A total of 218 ADL soil samples were collected from 74 direct-push borings excavated on the Site. Thirty-four ADL soil borings (B1 through B46) were advanced along the unpaved shoulders of southbound LAK-53. Forty ADL soil borings (B47 through B89) were advanced along the unpaved shoulder of northbound LAK-53. The approximate soil boring locations are depicted on the Site Plans, Figures 2-1 through 2-20.

The ADL soil borings were advanced to an approximate maximum depth of 2.3 ft below ground surface (bgs) using a direct-push rig. ADL soil samples were collected at general depths of 0 to 0.75 ft, 0.75 to 1.50 ft and 1.50 to 2.25 ft bgs. Refusal conditions on rock and/or gravel prevented the collection of 0.75 and/or 1.5 ft soil samples in borings B6, B7 and B48.

Soil samples obtained from the direct-push borings were collected in cellulose thermoplastic (acetate) liners driven by the direct-push rig. After collection, the acetate liner that contained the soil sample was cut open and the soil samples were transferred to Ziploc® re-sealable plastic bags. Soil samples obtained using a hand-auger were transferred directly from the hand-auger bucket to Ziploc® re-sealable plastic bags. After collection, the samples were field-homogenized within the sample bags and subsequently labeled, chilled and delivered to ATL for analytical testing under chain-of-custody (COC) protocol. The borings were backfilled with excess soil from the sampling. At those locations where a NOA sample was desired, an approximately portion of each ADL sample from the boring was transferred to a separate bag for submittal to EMSL.

4.2 NOA Investigation

Prior to sample collection, David Bieber conducted a reconnaissance assessment of the rock and soil types present on the Site. There was no observable indication of the presence of rocks containing mafic minerals that appeared to be hydrothermally altered in the vicinity of the Site.

Twenty-nine NOA soil samples (B1-NOA1 through HA16/17-NOA29) were collected from the Site as random or “distributed” samples. Distributed samples are collected in a distribution and quantity sufficient to determine the average NOA concentrations for a location or site. The distributed samples were collected approximately every 2,000 ft along LAK-53 with staggered offsets in the northbound and southbound lanes. In cases where there were guardrails or shoulder access was a traffic safety issue, the NOA soil samples were collected at the nearest boring to the 2,000 ft location that was determined to be safe and accessible. Ten direct-push NOA soil samples (B1-NOA1 through B46-NOA10) were collected from the southbound lane, and twelve direct-push soil samples (B49-NOA11

through B89-NOA22) were collected from the northbound lane of LAK-53. Four NOA soil samples (HA5c-NOA23 through HA12-NOA26) were collected via hand-auger sampling method at the four corners of the intersection of LAK-53 and 40th Avenue. Three NOA soil samples (HA13-NOA27 through HA16/17-NOA29) were collected via hand-auger sampling method northbound LAK-53 from Polk Street north approximately 1,500 ft. The approximate soil boring locations are depicted on the Site Plans, Figures 2-1 through 2-20.

The NOA soil samples were collected as composite samples from the ADL soil borings. Portions from each sample interval from the ADL soil boring depths were transferred directly from the ADL Ziploc® re-sealable plastic bags to a one-gallon Ziploc® re-sealable plastic bag. Hand-auger borings HA14 and HA15, and hand-auger borings HA16 and HA17, respectively, were combined for two composite NOA samples at the direction of the Caltrans Quality Assurance manager. The borings were backfilled with the excess soil from the sampling. The individual NOA sample bags were labeled with a sample identification number and the date and time collected. The samples were delivered to EMSL for asbestos analysis under COC protocol.

4.3 Landfill/Archaeological Investigation

Soil samples collected from the landfill and archaeological sites were obtained directly from the hand-auger bucket and transferred to individual 2.0 by 2.0-foot sheets of 6 millimeter plastic in one-foot lifts. Each one foot lift was then carefully evaluated for Native American artifacts and bone fragments by a Caltrans archaeologist. After the evaluation, the samples were field-homogenized by hand mixing and transferred to Ziploc® re-sealable plastic bags, subsequently labeled, chilled and delivered to ATL for analytical testing under COC protocols. An aliquot was taken from sample HA6 and transferred to a 220-milliliter (8-ounce) glass jar, labeled, chilled and delivered to ATL for analysis for SVOCs under COC protocols. The borings were backfilled with excess soil generated during the sampling activities.

The following sections describe the individual sampling methods employed at each location.

4.3.1 Landfill and Archaeological Site – Intersection LAK-53 and 40th Avenue

Twelve soil borings (HA1 through HA12) were excavated using hand-auger methods at the intersection of LAK-53 and 40th Avenue. Twelve soil samples were collected from six soil borings (HA1 through HA6) located on the northwest corner of the intersection of LAK-53 and 40th Avenue in the vicinity of the historic landfill for CCR Title 22 metals analysis. One soil sample (HA6) was collected for SVOC analysis at this location. The approximate hand-auger soil boring locations are depicted on the Site Plan, Figure 2-1.

Two soil borings each were advanced at the other three corners of the intersection. Five CCR Title 22 metal soil samples were collected from three soil borings (HA7, HA10 and HA12) excavated at the three corners of the intersection. Four total lead soil samples were collected from three soil borings (HA8, HA9 and HA11) excavated at the three corners of the intersection.

The landfill/archaeological soil borings were advanced to an approximate maximum depth of 3.0 ft bgs using a hand-auger. Soil samples were collected at general depths of 0 to 1.0 ft, 1.0 to 2.0 ft and 2.0 to 3.0 ft bgs. Excavation to the full depth of 3.0 ft was achieved in borings HA1 and HA4, while refusal conditions on rock and/or gravel prevented the collection of 1.0, 2.0 and/or 3.0 ft soil samples in the other borings.

4.3.2 Archaeological Site – North of Polk Street

A total of nine total lead soil samples were collected from five hand-auger soil borings (HA13 through HA17) excavated northbound on LAK-53 beginning at Polk Street north approximately 1,500 feet. The approximate hand-auger soil boring locations are depicted on the Site Plan, Figure 2-4.

The soil borings were advanced to an approximate maximum depth of 3.0 ft bgs using a hand-auger. Soil samples were collected at general depths of 0 to 1.0 ft, 1.0 to 2.0 ft and 2.0 to 3.0 ft bgs. Excavation to the full depth was achieved in boring HA15, while refusal conditions on rock and/or gravel prevented the collection of 1.0, 2.0 and/or 3.0-foot soil samples in the other borings.

4.4 Traffic Control

Traffic control, including the use of a delineator truck provided by Caltrans, and "SHOULDER WORK AHEAD" advanced warning signs and cones provided by Geocon, was utilized where necessary based on the proximity of the work zone with respect to the active traffic lanes.

4.5 Quality Assurance/Quality Control Procedures

QA/QC procedures were performed during the field exploration activities. These procedures included decontamination of sampling equipment before each sample was collected and providing COC documentation for each sample submitted to the laboratory. The soil sampling equipment was cleansed between each boring by washing the equipment with an Alconox® solution followed by a double rinse with deionized water. Soil types for each boring were noted on the field logs. The decontamination water was discharged to the ground surface in the Caltrans right-of-way, away from the roadway and storm drain inlets.

4.6 Laboratory Analyses

Prior to submitting the soil samples to the laboratory, the COC documentation was reviewed for accuracy and completeness. Reproductions of the laboratory reports and COC documentation are presented in Appendix B.

4.6.1 Aerially Deposited Lead Samples

The soil samples collected from the ADL borings were analyzed by ATL under a ten-day turn-around-time (TAT) for the following analysis:

- Two hundred eighteen soil samples were analyzed for total lead following United States Environmental Protection Agency (EPA) Test Method 6010B.
- Thirty soil samples with total lead concentrations greater than 50 mg/kg were further analyzed for soluble lead using the WET method, EPA Test Method 7420.
- Twenty-two randomly selected soil samples were analyzed for soil pH using EPA Test Method 9045.

4.6.2 Naturally Occurring Asbestos Samples

Twenty-nine NOA samples were submitted to EMSL for asbestos fiber analysis by CARB Method 435 under a five-day TAT basis. The CARB 435 preparation includes milling the sample to a minus 200-mesh size which also homogenizes the sample. EMSL analyzed the samples as follows:

- Each of the NOA samples was analyzed by the polarized light microscopy (PLM) method for asbestos by CARB Method 435. The analytical sensitivity of the PLM analysis was 0.25% by weight.
- Three of the samples submitted for PLM analysis (B22-NOA5, B70-NOA17 and HA14/15-NOA28) were also analyzed for asbestos by transmission electron microscopy method, EPA Test Method 600/R-93/116 (TEM), also referred to as the qualitative bulk fiber analysis "Point Count" Method. Caltrans requested a maximum lower detection limit for the TEM analysis of 0.25%; the analytical sensitivity of the TEM analysis was 0.01% by weight.

4.6.3 Landfill/Archaeological Samples

The soil samples collected from the landfill/archaeological borings were analyzed by ATL under a 48-hour TAT for the following analysis:

- Seventeen soil samples were analyzed for CCR Title 22 metals following EPA Test Method 6010B.
- Nine additional soil samples were analyzed for total lead following EPA Test Method 6010B.
- One soil sample was analyzed for SVOCs following EPA Test Method 8270C.

- One soil sample with a total lead concentration greater than 50 mg/kg was further analyzed for soluble lead using the WET method, EPA Test Method 6010B.
- Nine soil samples, one sample from each boring with highest nickel concentration, were further analyzed for soluble nickel using the WET method, EPA Test Method 6010B.
- Three randomly selected soil samples were analyzed for soil pH using EPA Test Method 9045.

4.6.4 Laboratory QA/QC Procedures

QA/QC procedures were performed as applicable for each method of analysis with specificity for each analyte listed in the test method's QA/QC. QA/QC measures included the following:

- One method blank for every ten samples, batch of samples or type of matrix, whichever was more frequent.
- One sample analyzed in duplicate for every ten samples, batch of samples or type of matrix, whichever was more frequent.
- One spiked sample for every ten samples, batch of samples or type of matrix, whichever was more frequent, with the spike made at ten times the detection limit or at the analyte level.

4.7 Geophysical Survey

Spectrum Geophysics performed a geophysical survey in an attempt to identify a buried public utility line at the location of the landfill at the intersection of LAK-53 and 40th Avenue. The results of the geophysical survey were provided to the Caltrans Resident Engineer associated with the road widening project in the field at the time of the geophysical survey. A letter report summarizing the findings of the geophysical survey is presented in Appendix C.

5.0 FIELD OBSERVATIONS AND INVESTIGATIVE RESULTS

5.1 Site Geology

We reviewed existing geological maps and studies of the Site and surrounding areas prior to beginning the field work. The review was used to gather information regarding the potential presence of NOA on the Site. According to the 1960 *Geologic Map of California Santa Rosa Sheet* by Jennings and Strand, published by the California Geological Survey (Santa Rosa Sheet) the geologic deposits on the Site are a mixture of Cache Formation sandstone, siltstone, conglomerate and tuff, Quaternary terrace deposits, and Clear Lake Volcanics.

David Bieber performed a geologic assessment of the lithology of outcrops visible within the Caltrans right-of-way. The visible outcrops appeared to be composed primarily of mixed volcanics with a rhyolitic to andesitic composition. The fractured layered volcanics tended to a rhyolitic composition and the more massive volcanics tended to an andesitic composition. The alluvium in the area of the Site appears to be derived from local materials. A greenish-gray soft looking weathered tuff outcrop was noted at approximately PM 6.8. The observed geology differs from the geology depicted on the Santa Rosa Sheet in that most of the materials observed appeared to be Clear Lake Volcanics. The soils encountered during the advancement of the hand-auger and direct-push borings were composed primarily of dusky brown (5R 2/2) gravelly silts at the surface. Beneath the gravelly silts, layers of moderate yellowish brown (10YR 5/4) to moderate brown (5YR 3/4) silts and clays were encountered. Glass fragments and waste metal pieces were encountered in borings HA2, HA3, HA5 and HA6 advanced in the location of the historic landfill. Bone fragments, charcoal and obsidian chips/fragments as identified by the Caltrans archaeologist were encountered in the hand-auger borings advanced on the archaeological locations. Groundwater was not encountered during the investigation.

5.2 ADL Soil Analytical Results

Total lead was detected at concentrations exceeding the laboratory method detection limits in 116 of the 218 soil samples analyzed at concentrations ranging from 5.0 to 210 mg/kg. Thirty of the 218 soil samples had reported total lead concentrations greater than 50 mg/kg (ten times the STLC value for lead of 5.0 milligrams per liter [mg/l]).

Soluble lead was detected in each of the 30 soil samples submitted for WET analysis at concentrations ranging from 0.62 to 14 mg/l. Fourteen of the 30 soil samples had a reported WET soluble lead concentration exceeding the STLC value for lead of 5.0 mg/l.

Soil pH analysis was performed on 22 randomly selected soil samples obtained from within the project boundaries. Soil pH values ranged from 6.9 to 8.4. A summary of boring coordinates and lead analytical results is presented on Table 1. Laboratory reports and COC documentation are presented in Appendix B.

5.2 NOA Results

NOA samples were collected from the north and southbound shoulders of LAK-53 from LAK-20 to 40th Avenue. NOA was not reported at or above 0.25% in the 29 samples analyzed using the PLM method. NOA was reported for the sample collected from boring B22-NOA5 at 0.01 percent by weight using the TEM method. The analytical results of the NOA soil samples are summarized on Table 2. Reproductions of the laboratory reports and COC documentation are presented in Appendix B.

5.4 Landfill/Archaeological Soil Analytical Results

Title 22 metals reported to be present above the method detection limit (MDL) on the Site included antimony in four samples at a maximum of 2.9 mg/kg and mercury in three samples at a maximum of 0.57 mg/kg. Arsenic, barium, chromium, cobalt, copper, lead, nickel, thallium, vanadium and zinc were reported to be present above the laboratory MDL in each of the 17 samples at respective maximum concentrations of 6.2, 570, 45, 42, 57, 180, 440, 13, 58 and 240 mg/kg. Beryllium, cadmium, molybdenum, selenium and silver were not report above their respective laboratory MDLs for any of the samples collected from the landfill/archaeological sites.

Total lead was reported at or above 50 mg/kg (ten times the STLC value for lead of 5.0 mg/l) for sample HA3-0. Total nickel was reported at or above 200 mg/kg (ten times the STLC value for nickel of 20 mg/l) in each of the 17 samples. The greatest reported concentration from each hand-auger boring was further analyzed for soluble nickel. Neither lead nor nickel was present above their respective TTLC value.

Total lead was not reported above ten times the STLC value for lead of 5.0 mg/l in any of the other hand-auger samples collected from the landfill/archaeological locations. SVOCs were not reported above their respective laboratory MDL for the sample submitted for analysis from boring HA6.

Soil pH analysis was performed on three randomly selected soil samples obtained from the landfill/archaeological locations. Soil pH values ranged from 6.5 to 7.6.

A summary of boring coordinates and lead analytical results is presented on Table 1. A summary of Title 22 metals and SVOCs soil analytical results is presented on Table 3. Laboratory reports and COC documentation are presented in Appendix B.

5.5 Statistical Evaluation for Lead Detected in Soil Samples

Statistical methods were applied to the total lead data to evaluate: 1) the upper confidence limits (UCLs) of the true means of the total lead concentrations for each sampling depth; and 2) if an acceptable correlation between total and soluble lead concentrations exists that would allow the

prediction of soluble lead concentrations based on calculated UCLs. The statistical methods used are discussed in a book entitled *Statistical Methods for Environmental Pollution Monitoring,* by Richard Gilbert; in an EPA *Technology Support Center Issue* document entitled, *The Lognormal Distribution in Environmental Applications,* by Ashok Singh et. al., dated December 1997; and in a book entitled *An Introduction to the Bootstrap,* by Bradley Efron and Robert J. Tibshirani.

5.5.1 Total Lead Distribution

The presence of non-detects and/or low concentrations in total lead data sets can strongly skew sample data towards low values. In these cases, the data are often lognormally distributed or non-parametric and classical statistical methods do not work properly since they assume that the data exhibit an underlying normal distribution. Consequently, it is necessary to apply the appropriate method when determining the UCLs on the true total lead means.

5.5.2 Calculating the UCLs for the True Mean

The upper one-sided 90% and 95% UCLs of the true mean are defined as the values that, when calculated repeatedly for randomly drawn subsets of site data equal or exceed the true mean 90% and 95% of the time, respectively. Statistical confidence limits are the classical tool for addressing uncertainties of a distribution mean. The UCLs of the true mean concentration are used as the mean concentrations because it is not possible to know the true mean due to the essentially infinite number of soil samples that could be collected from a site. The UCLs therefore account for uncertainties due to limited sampling data. As data become less limited at a site, uncertainties decrease, and the UCLs move closer to the true mean.

Non-parametric bootstrap techniques used to calculate the UCLs are discussed in the previously referenced EPA document and in *An Introduction to the Bootstrap.* For those samples in which total lead was not detected at concentrations exceeding the laboratory method detection limit, a value equal to one-half of the detection limit was used in the UCL calculation. The bootstrap results are included in Appendix D. The calculated UCLs and statistical results are summarized in the table below:

SAMPLE INTERVAL (feet)	90% TOTAL LEAD UCL (mg/kg)	95% TOTAL LEAD UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	MINIMUM VALUE (mg/kg)	MAXIMUM VALUE (mg/kg)
0 to 0.75	55.2	56.9	48.4	2.5	210
0.75 to 1.50	15.5	16.6	11.6	2.5	160
1.50 to 2.25	4.5	4.7	4.0	2.5	27

5.5.3 Correlation of Total and Soluble Lead

Total and corresponding soluble (WET) lead concentrations are bivariate data with a linear structure. This linear structure should allow for the prediction of soluble lead (WET) concentrations based on the UCLs calculated above in Section 5.5.2.

To estimate the degree of interrelation between total and corresponding soluble (WET) lead values (*x* and *y*, respectively), the *correlation coefficient [r]* is used. The correlation coefficient is a ratio that ranges from +1 to –1. A *correlation coefficient* of +1 indicates a perfect direct relationship between two variables; a *correlation coefficient* of –1 indicates that one variable changes inversely with relation to the other. Between the two extremes is a spectrum of less-than-perfect relationships, including zero, which indicates the lack of any sort of linear relationship at all. The *correlation coefficient* was calculated for the 29 (*x, y*) data points (i.e., soil samples analyzed for both total lead [*x*] and soluble [WET] lead [*y*]) and equaled 0.803. A *correlation coefficient* greater than or equal to 0.8 is an acceptable indicator that a correlation exists. To achieve an acceptable correlation, the total and soluble (WET) lead data for soil sample B69-0.0 (210, 5.8) were omitted from the regression analysis. For the purpose of this report, an acceptable correlation was obtained.

For the *correlation coefficient* that indicates a linear relationship between total and soluble (WET) lead concentrations, it is possible to compute the line of dependence or a best-fit line between the two variables. A least squares method was used to find the equation of a best-fit line (regression line) by forcing the y-intercept equal to zero since that is a known point. The equation of the regression line was determined to be $y = 0.0591(x)$, where x represents total lead concentrations and y represents predicted soluble lead (WET) concentrations.

This equation was used to estimate the expected WET soluble lead concentrations for the UCLs calculated in Section 5.4.2. Regression analysis results and a scatter plot depicting the 29 (*x, y*) data points along with the regression line are included in Appendix D. The predicted WET soluble lead concentrations are summarized in the table below.

SAMPLE DEPTH (feet)	90% TOTAL LEAD UCL (mg/kg)	PREDICTED SOLUBLE LEAD (mg/l)	95% TOTAL LEAD UCL (mg/kg)	PREDICTED SOLUBLE LEAD (mg/l)
0 to 0.75	55.2	3.3	56.9	3.4
0.75 to 1.50	15.5	0.9	16.6	1.0
1.50 to 2.25	4.5	0.3	4.7	0.3

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 ADL Soil Waste Disposal/Reuse Classification

Soil materials excavated to a maximum depth of 2.25 feet bgs may be reused onsite and/or disposed of as non-hazardous soil since the 90% and 95% total lead UCLs are less than 60 mg/kg and the predicted soluble (WET) lead concentrations are less than the STLC value for lead of 5.0 mg/l.

6.2 NOA

NOA was not reported at or above the CARB limit of 0.25% in the samples analyzed, and the mapped and observed geology of the Site is not indicative of a metamorphic regime where NOA minerals are likely to occur at or above the CARB regulatory limit of 0.25%. Though material containing NOA at or above 0.25% was not identified on the Site, trace levels of NOA were reported in one sample. The following conclusions and recommendations are applicable if subsequent work reveals the presence of NOA-containing materials at or above the CARB limit of 0.25%.

NOA is a State of California regulated substance. In the event that NOA is discovered at levels exceeding the CARB regulatory limit of 0.25% NOA content, the excavated materials cannot be used as, or in such a way that it could fall under the definition of, surfacing material as defined by the CARB Rules.

Currently, regulatory exposure limits and health hazard data are not available for NOA in soils. Federal regulations governing asbestos define it as the asbestiform variety of the amphibole minerals actinolite, amosite, anthophyllite, crocidolite, and tremolite, and the asbestiform variety of serpentine, chrysotile. Asbestos fibers occurring in industrial materials are considered by the National Institute for Occupational Safety and Health as potential occupational carcinogens. Prudence is recommended, therefore, in dealing with soils potentially containing NOA. Engineering controls such as wet suppression should be utilized to minimize aerial dispersion of NOA fibers in planned work areas during excavation and road construction activities. Under Title 8 Section 5208 of the CCR, disturbance of asbestos-containing materials requires wet working methods and possible respiratory protection and air monitoring.

6.3 Landfill/Archaeological Locations

SVOCs were not reported to be present in soil sample HA6-0 collected from the historic landfill site. None of the soil samples collected from the landfill site and archaeological sites were reported contained metal concentrations above waste thresholds. Based on this limited soil sampling, soil disturbed in the vicinity of the landfill and archaeological sites does not need to be treated as a California hazardous waste.

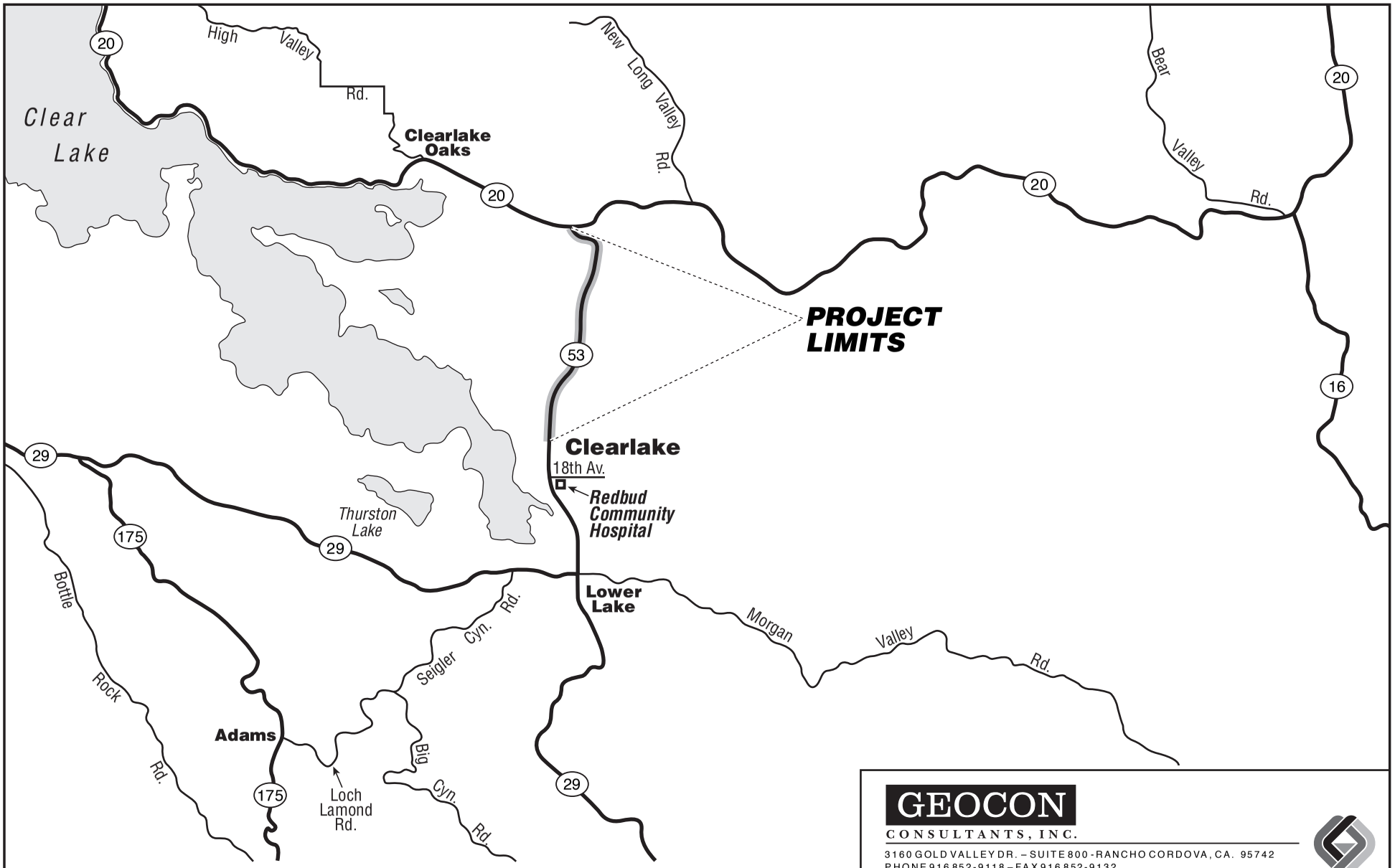
6.4 Worker Protection

Per Caltrans requirements, the contractor(s) should prepare a project-specific Lead Compliance Plan (CCR Title 8, Section 1532.1, the "Lead in Construction" standard) to prevent or minimize worker exposure to lead-impacted soil. The plan should include protocols for environmental and personnel monitoring, requirements for personal protective equipment, and other health and safety protocols and procedures for the handling of lead-impacted soil.

7.0 REPORT LIMITATIONS

This report has been prepared exclusively for Caltrans. The information contained herein is only valid as of the date of the report and will require an update to reflect additional information obtained.

This report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein. Therefore, the report should be deemed conclusive with respect to only the information obtained. We make no warranty, express or implied, with respect to the content of this report or any subsequent reports, correspondence or consultation. Geocon strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.



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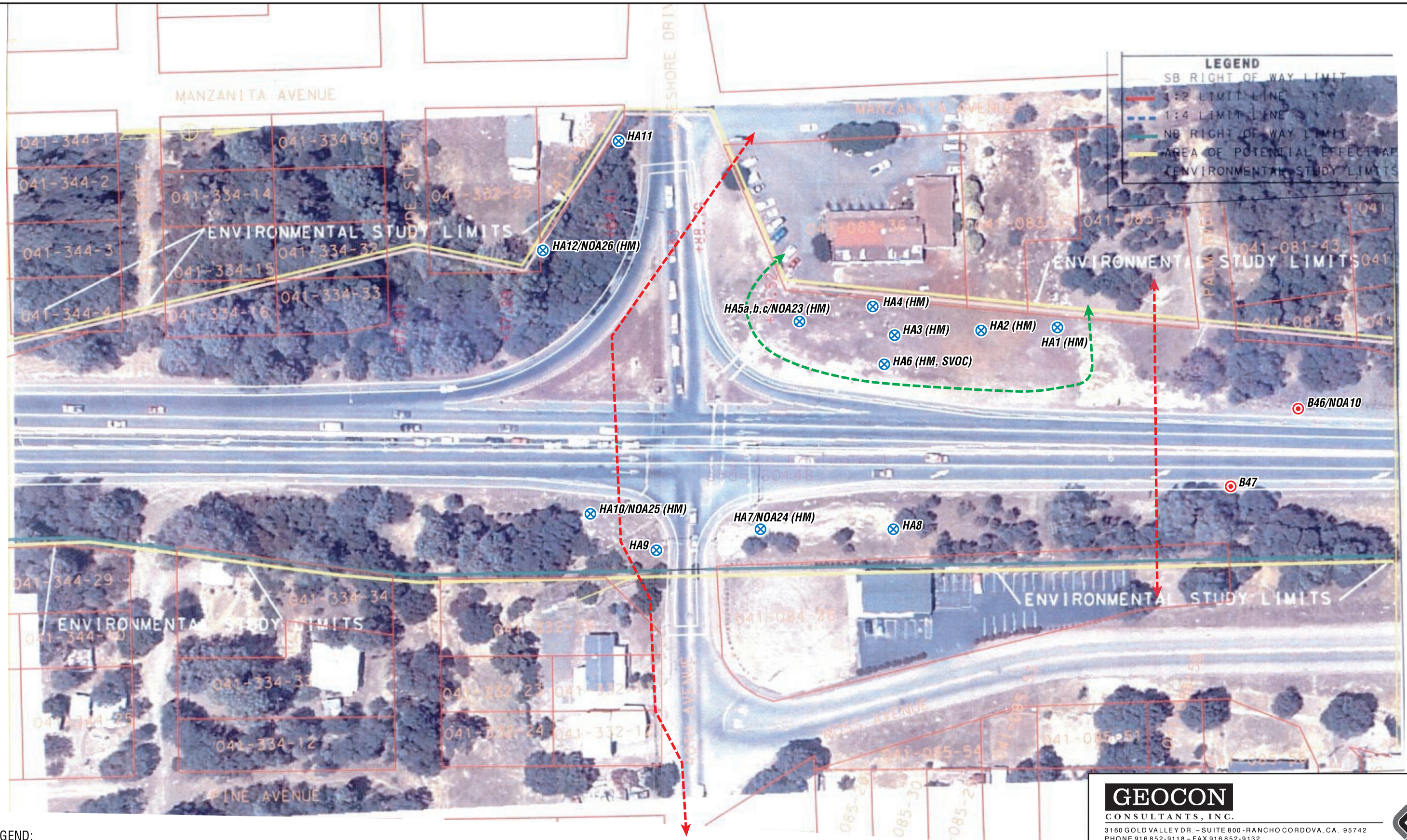
Lake County, California	VICINITY MAP	
GEOCON Proj. No. S8875-06-101		
Task Order No. 101	July 2006	Figure 1



LEGEND:

- B1 Approximate Direct-Push Boring Location
- HA1 Approximate Hand-Auger Boring Location
- Archaeological Site Boundary
- Historic Debris Concentration (Landfill)

Notes:

B49/NOA11 — Indicates naturally occurring asbestos sample collected at this location; Boring number for aerially deposited lead samples

(HM, SVOC) Samples additionally analyzed for heavy metals and/or semi-volatile organic compounds

0 100 Ft.

0 10 20m

Scale: 1:1,000

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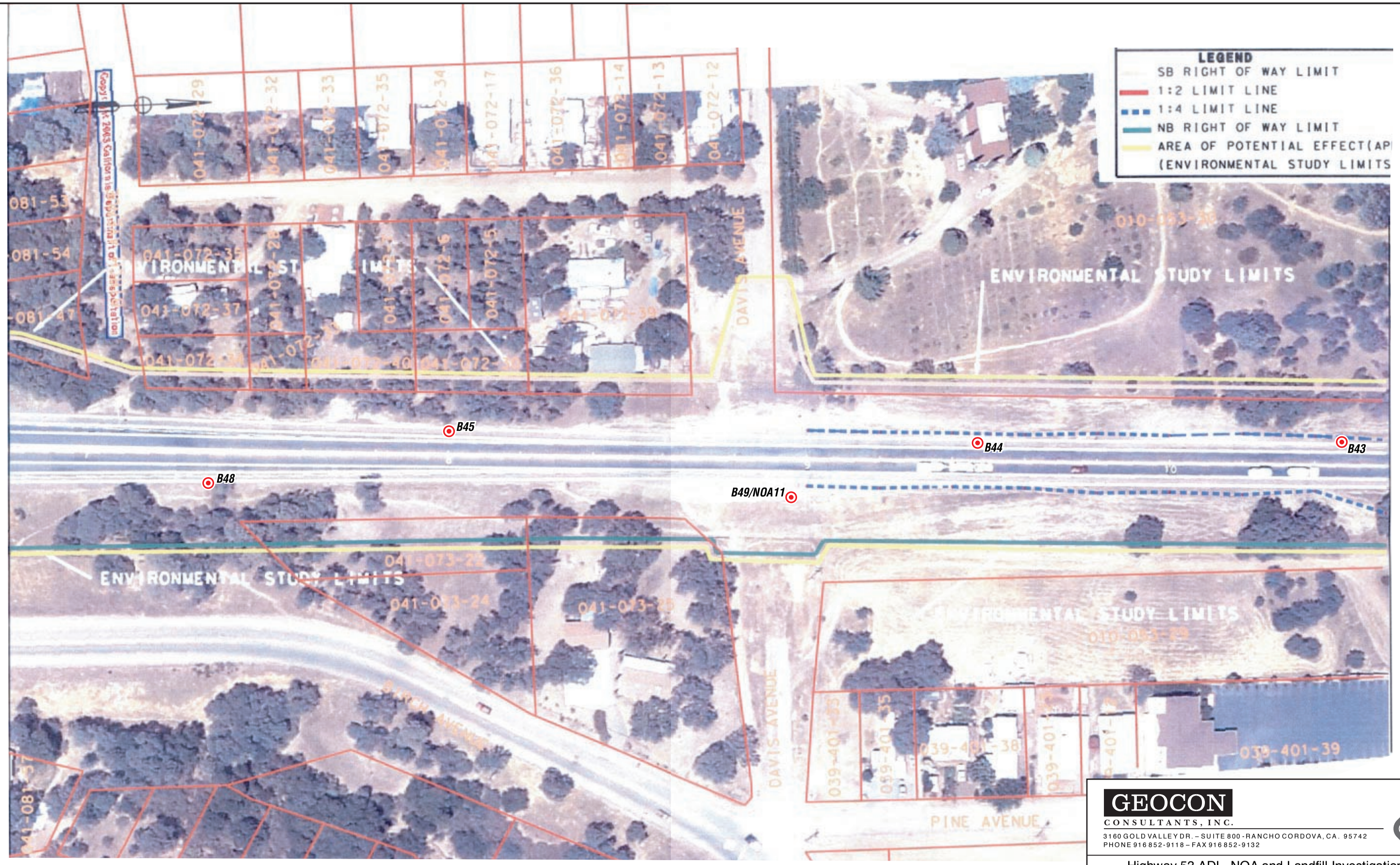
Lake County, California	SITE PLAN	
GEOCON Proj. No. S8875-06-101		
Task Order No. 101	July 2006	Figure 2-1



LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11

Indicates naturally occurring asbestos sample collected at this location

Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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Task Order No. 101	July 2006	Figure 2-2

LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11 — Indicates naturally occurring asbestos sample collected at this location; Boring number for aerially deposited lead samples

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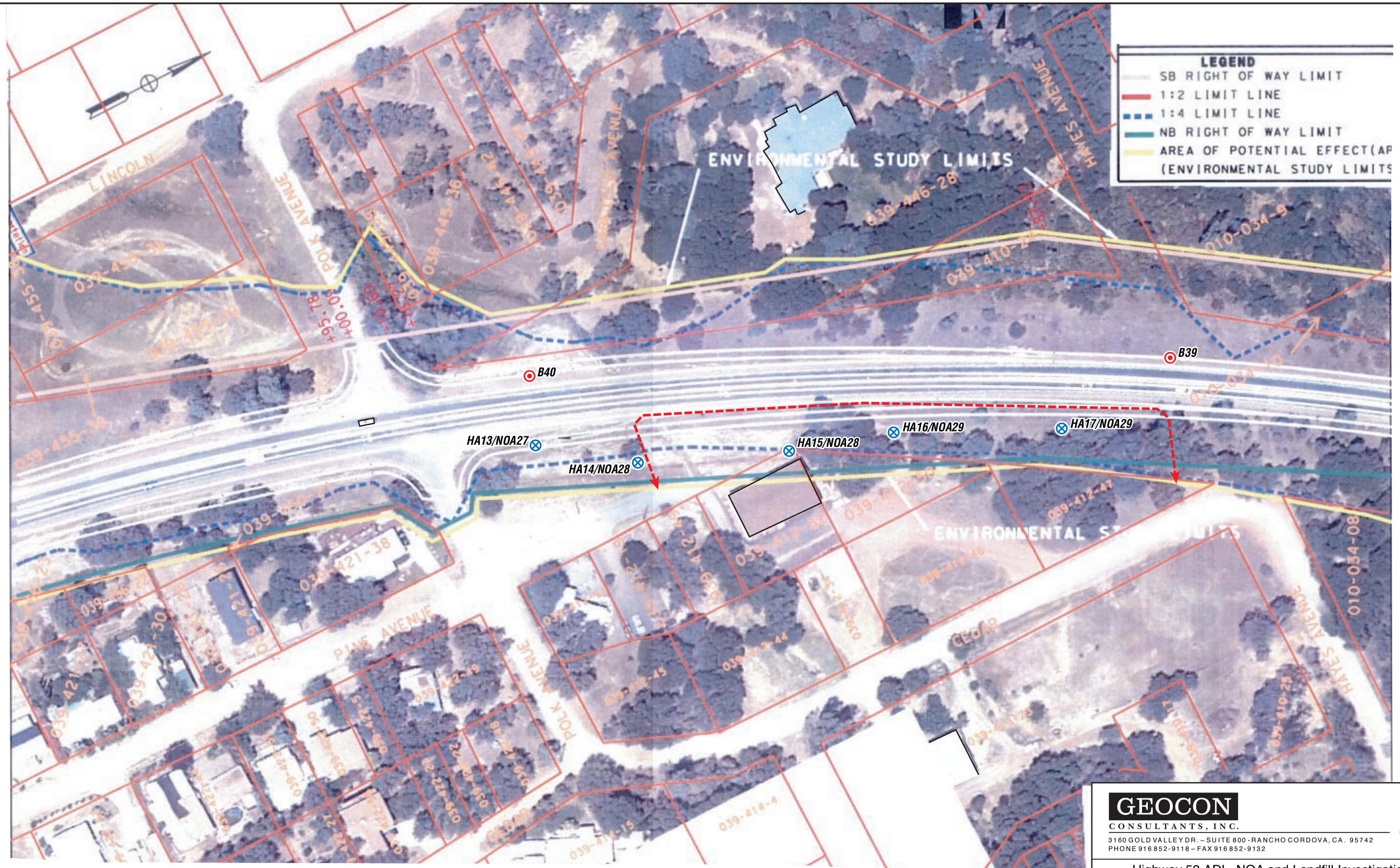
Lake County, California	SITE PLAN
GEOCON Proj. No. S8875-06-101	
Task Order No. 101	July 2006 — Figure 2-3



LEGEND:

- B1 Approximate Direct-Push Boring Location
- HA1 Approximate Hand-Auger Boring Location
- Archaeological Site Boundary

Notes:

B49/NOA11
- Indicates naturally occurring asbestos sample collected at this location
- Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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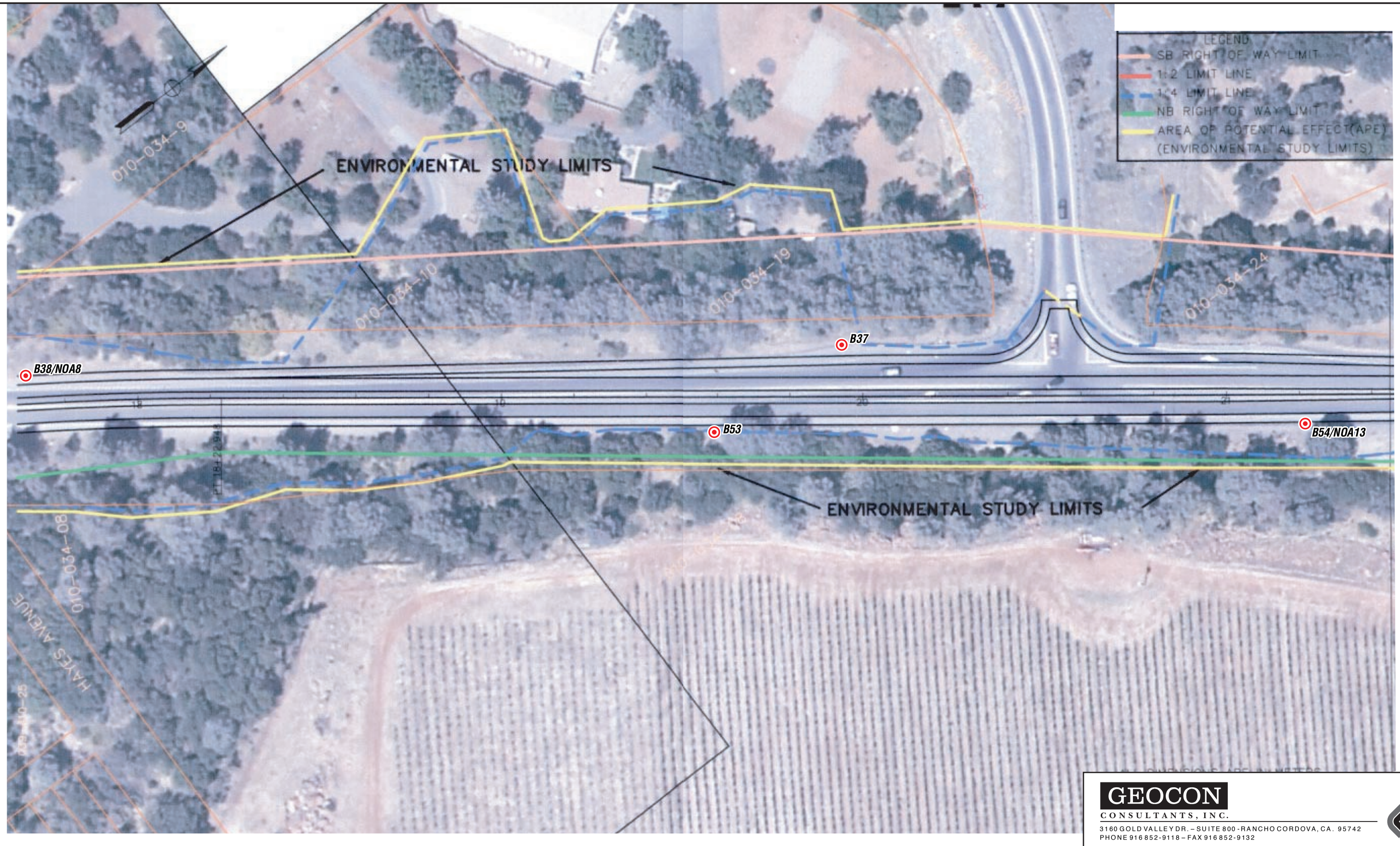
Lake County, California	**SITE PLAN**	
GEOCON Proj. No. S8875-06-101		
Task Order No. 101	July 2006	Figure 2-4



LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11

Indicates naturally occurring asbestos sample collected at this location

Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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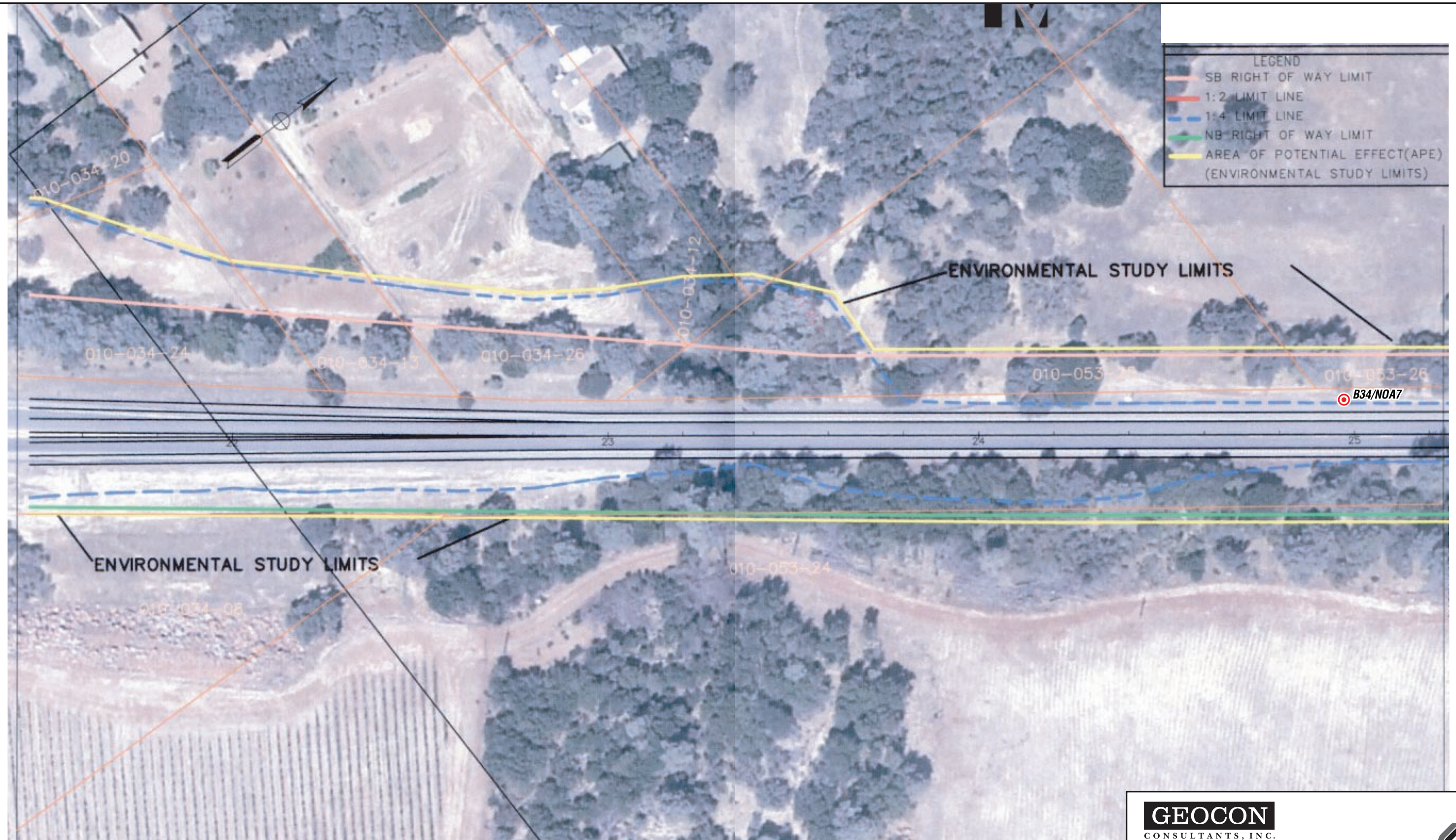
Lake County, California	**SITE PLAN**
GEOCON Proj. No. S8875-06-101	
Task Order No. 101	July 2006	Figure 2-5



LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11 — Indicates naturally occurring asbestos sample collected at this location; Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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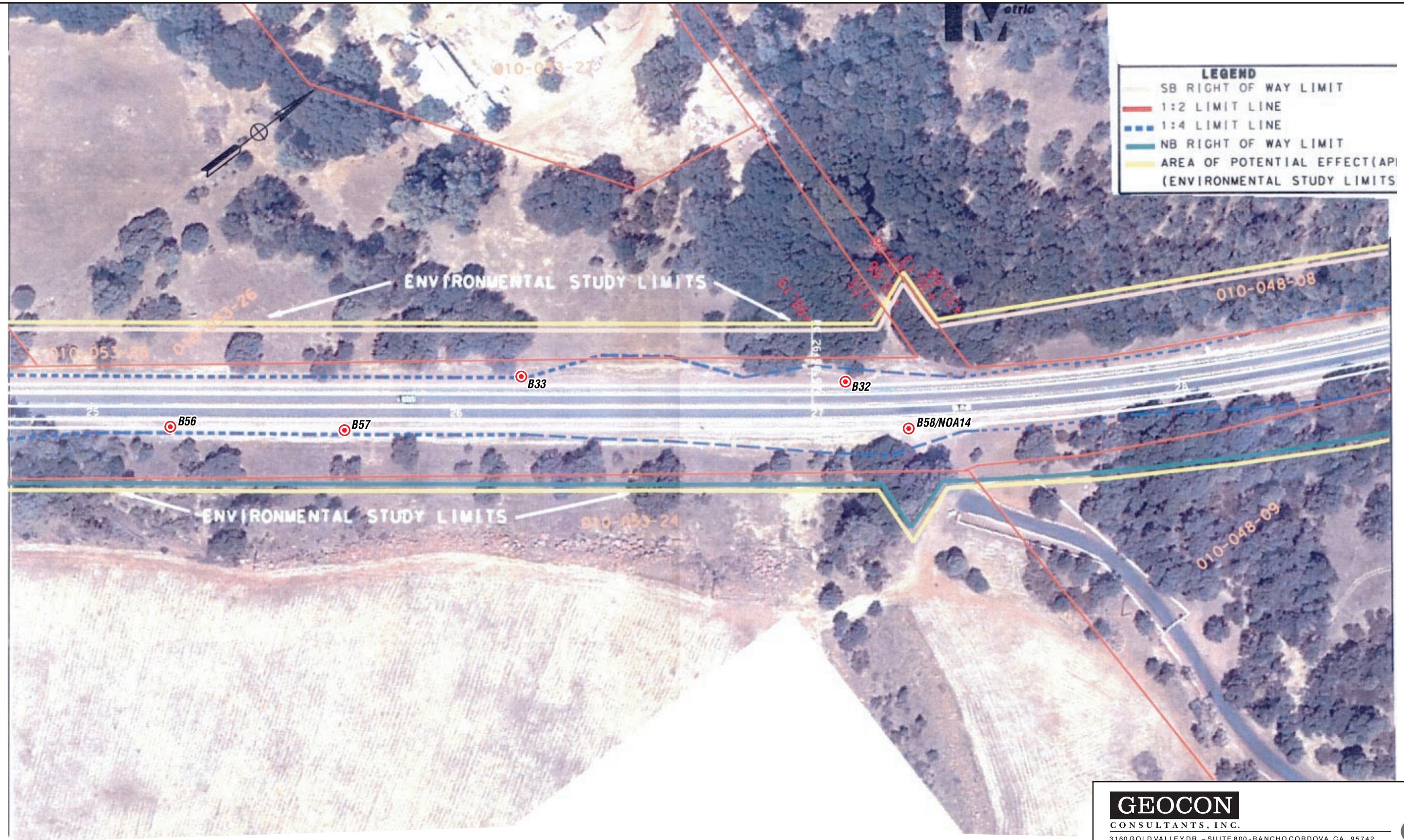
Lake County, California	SITE PLAN	
GEOCON Proj. No. S8875-06-101		
Task Order No. 101	July 2006	Figure 2-6



LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11

Indicates naturally occurring asbestos sample collected at this location

Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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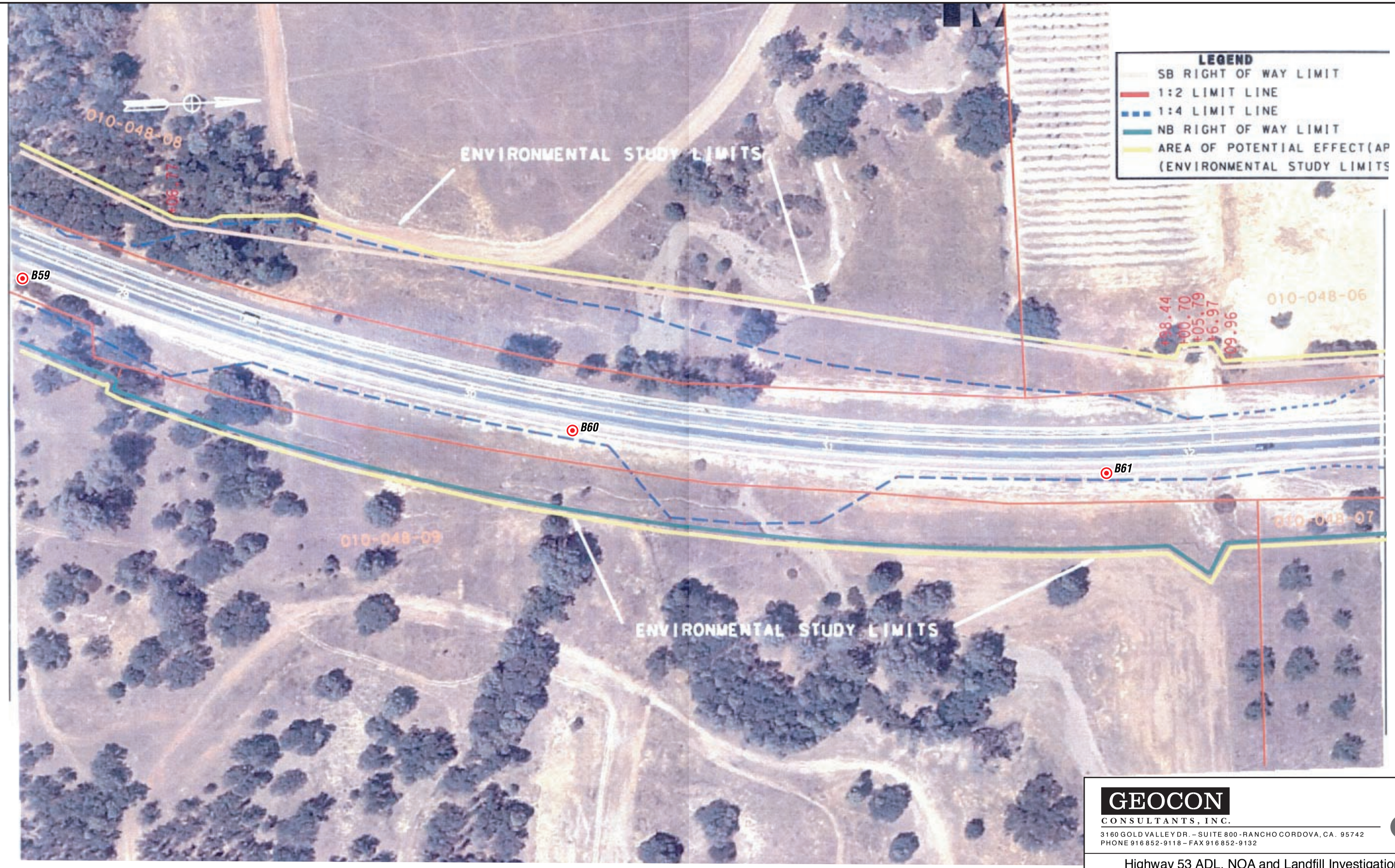
GEOCON Proj. No. S8875-06-101		
Task Order No. 101	July 2006	Figure 2-7



LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11 — Indicates naturally occurring asbestos sample collected at this location; Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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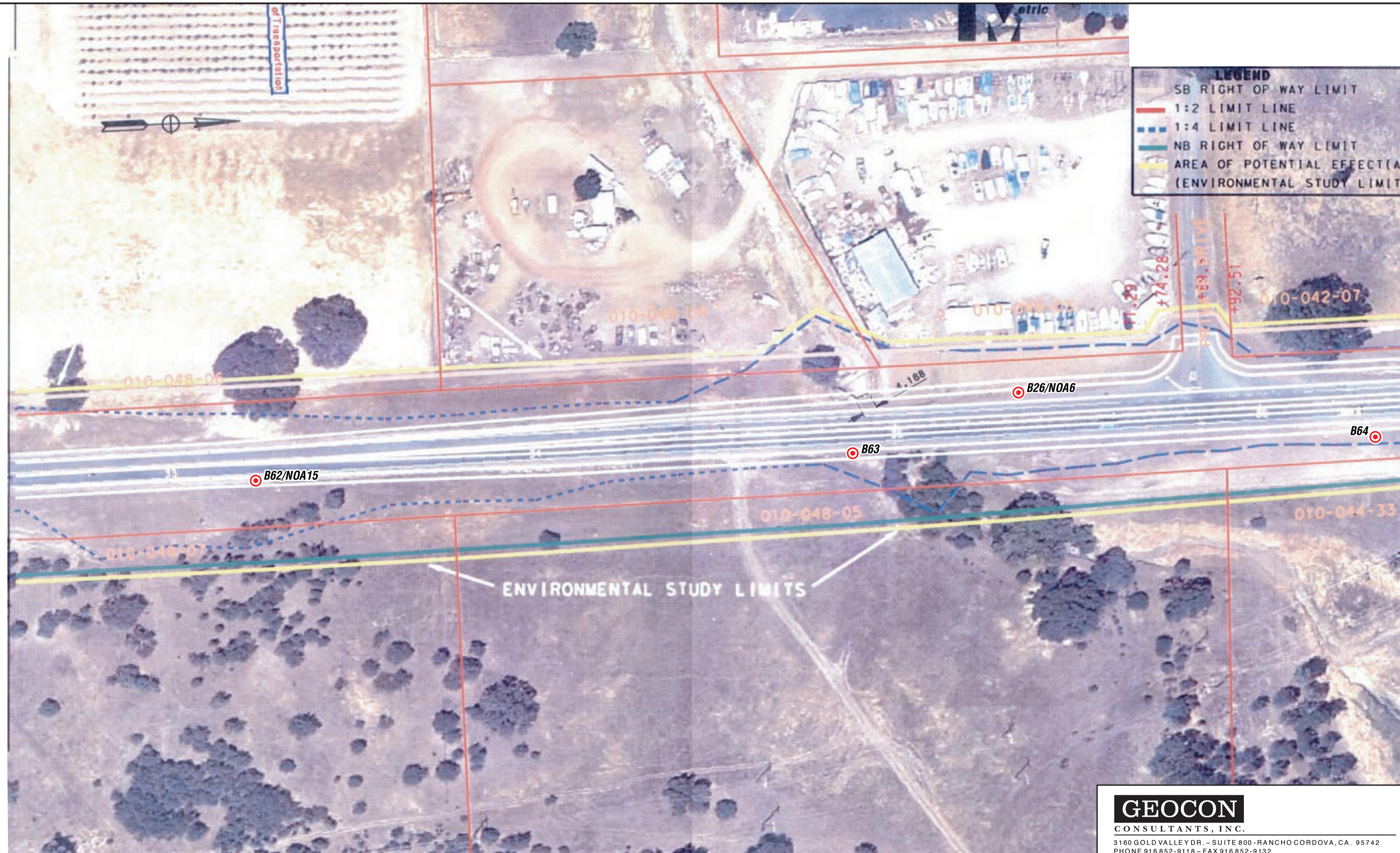
GEOCON Proj. No. S8875-06-101

Task Order No. 101

SITE PLAN

July 2006

Figure 2-8



LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11 — Indicates naturally occurring asbestos sample collected at this location; Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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Lake County, California	SITE PLAN	
GEOCON Proj. No. S8875-06-101		
Task Order No. 101	July 2006	Figure 2-9

LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11

Indicates naturally occurring asbestos sample collected at this location

Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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Lake County, California	SITE PLAN	
GEOCON Proj. No. S8875-06-101		
Task Order No. 101	July 2006	Figure 2-10

LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11 — Indicates naturally occurring asbestos sample collected at this location; Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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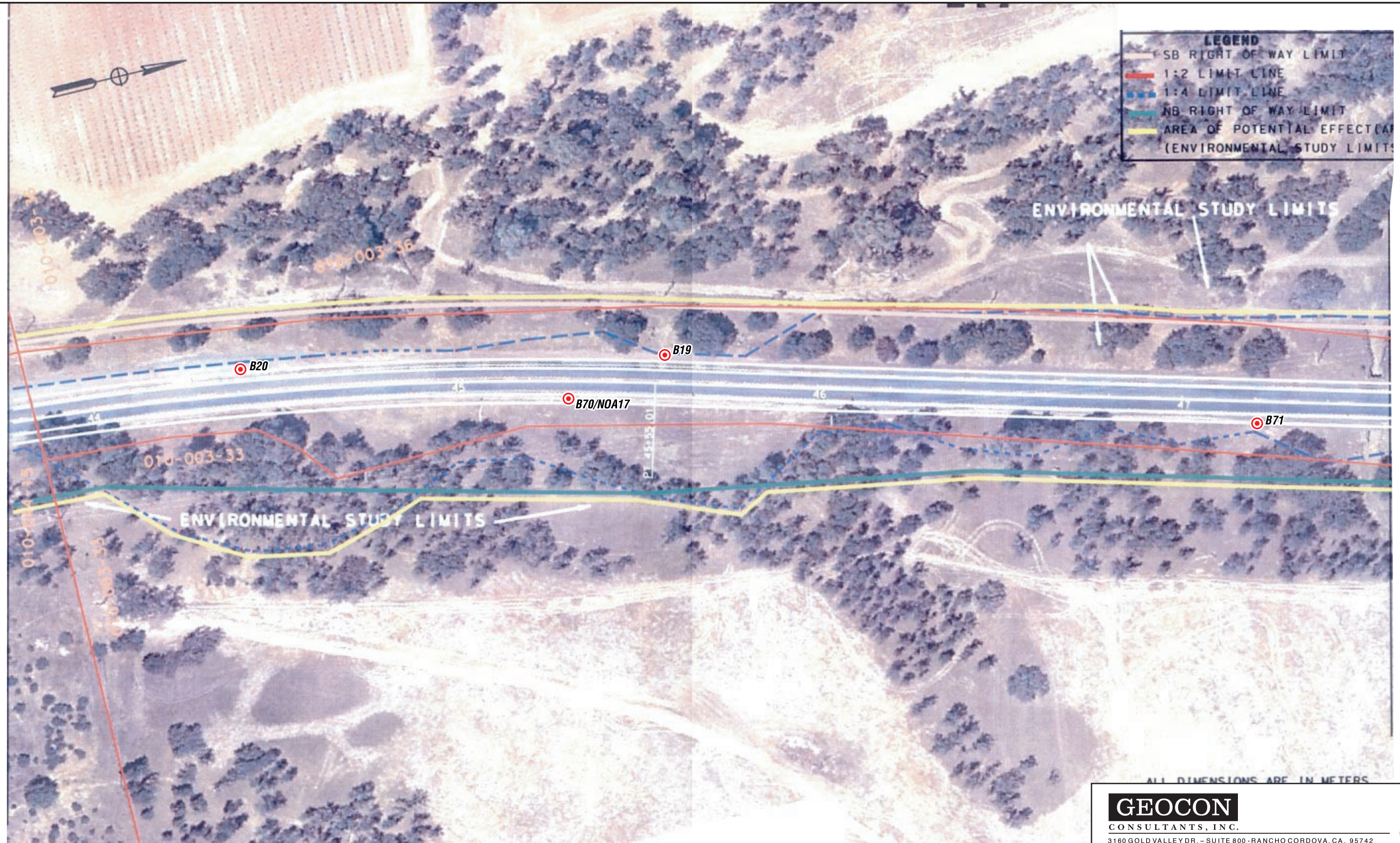
GEOCON Proj. No. S8875-06-101		
Task Order No. 101	July 2006	Figure 2-11



LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11 — Indicates naturally occurring asbestos sample collected at this location; Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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Task Order No. 101	July 2006	Figure 2-12

LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11

Indicates naturally occurring asbestos sample collected at this location

Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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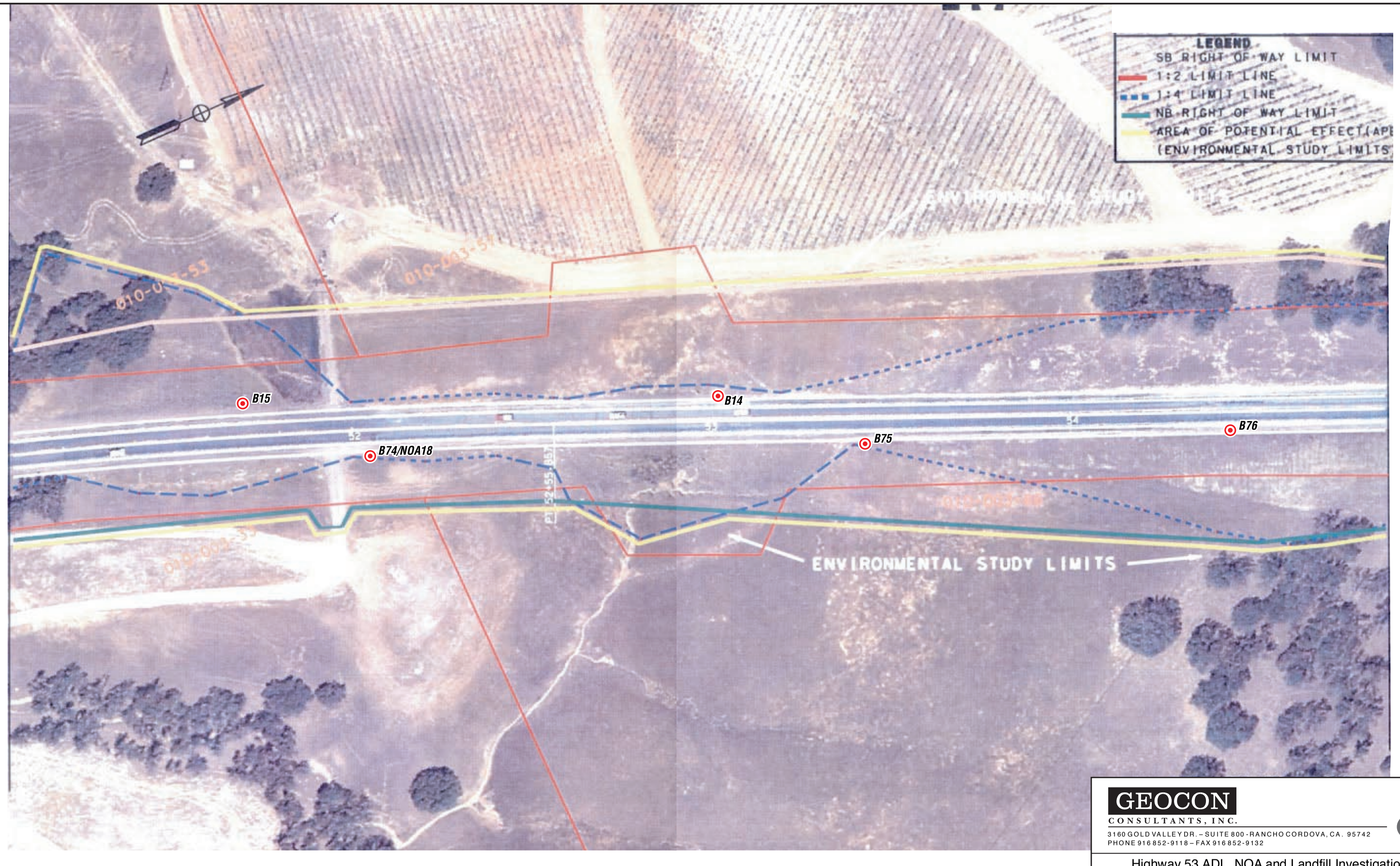
Task Order No. 101

July 2006

Figure 2-13



LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11 — Indicates naturally occurring asbestos sample collected at this location; Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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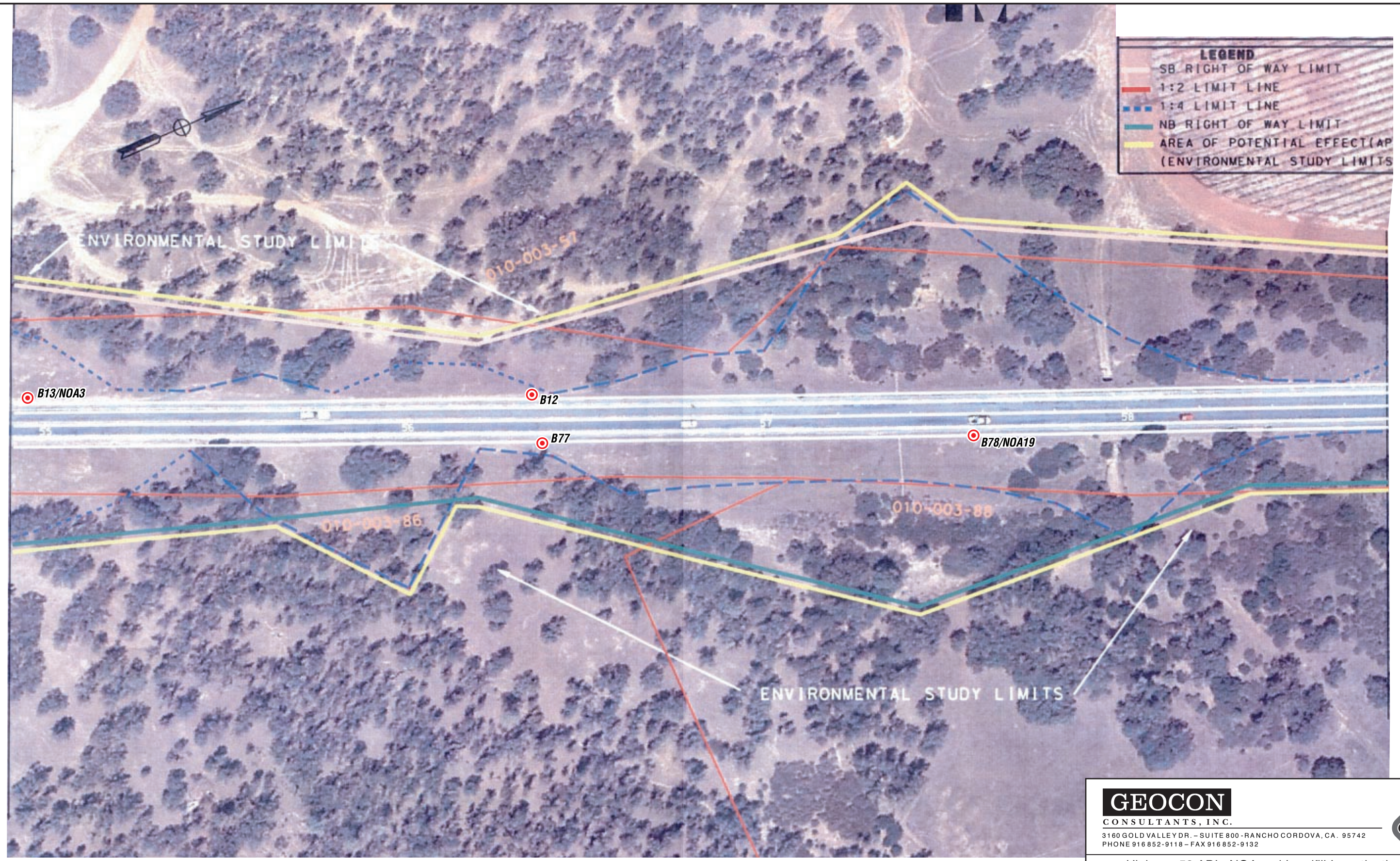
Lake County, California	SITE PLAN	
GEOCON Proj. No. S8875-06-101		
Task Order No. 101	July 2006	Figure 2-14



LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11 — Indicates naturally occurring asbestos sample collected at this location; Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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GEOCON Proj. No. S8875-06-101		
Task Order No. 101	July 2006	Figure 2-15

LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11 — Indicates naturally occurring asbestos sample collected at this location; Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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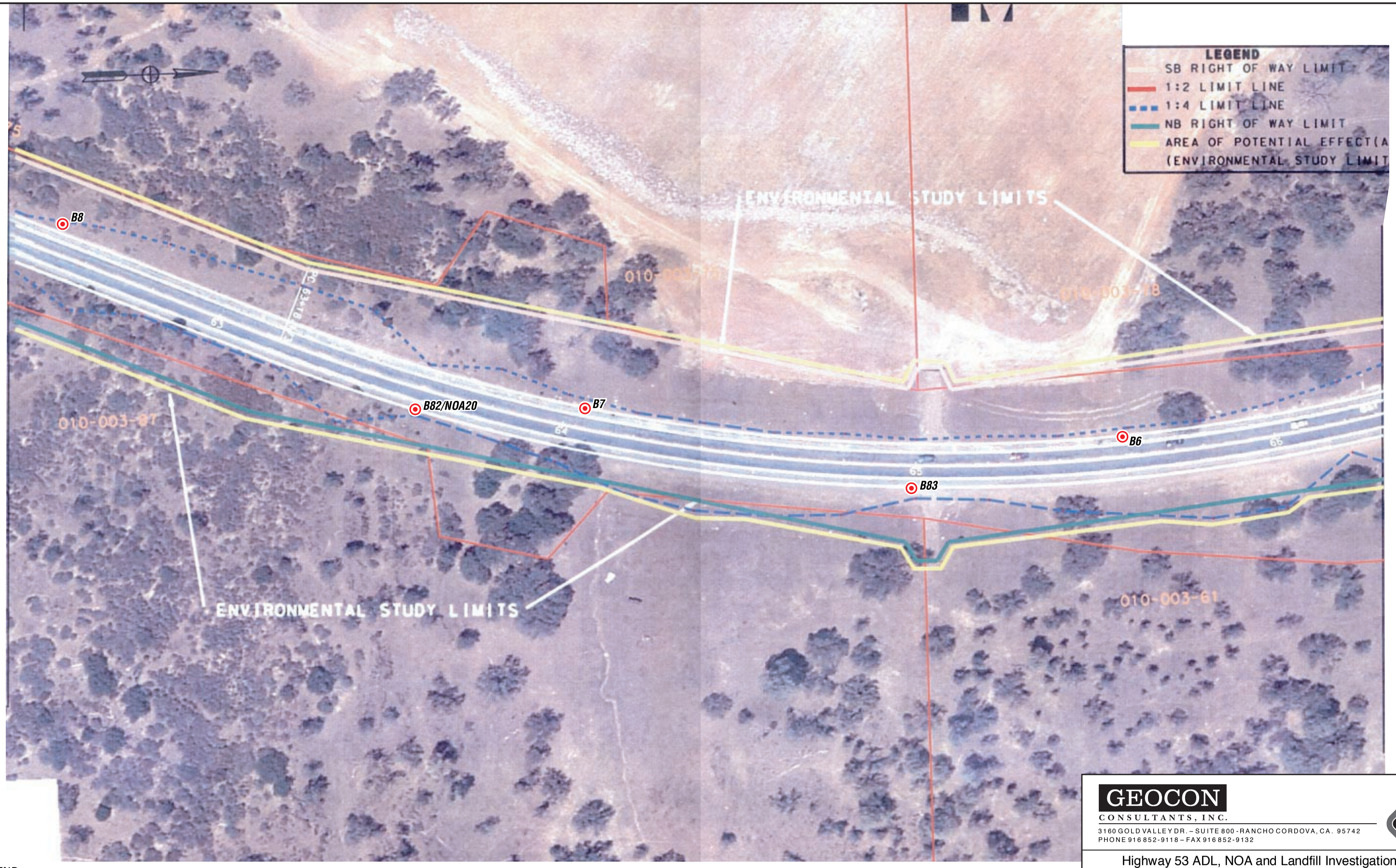
Task Order No. 101 | July 2006 | Figure 2-16



LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11

Indicates naturally occurring asbestos sample collected at this location

Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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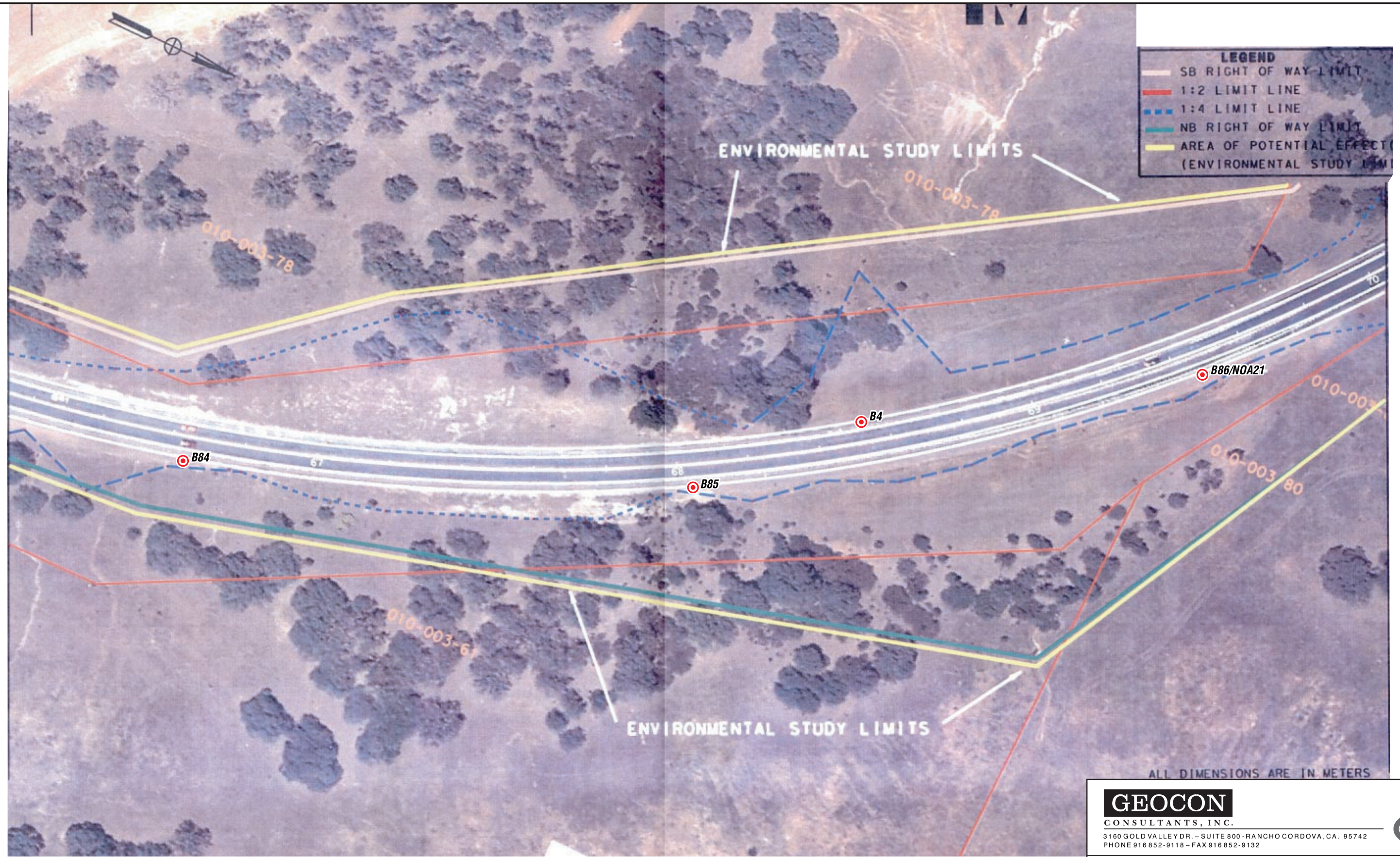
Lake County, California	SITE PLAN	
GEOCON Proj. No. S8875-06-101		
Task Order No. 101	July 2006	Figure 2-17



LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11 — Indicates naturally occurring asbestos sample collected at this location; Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

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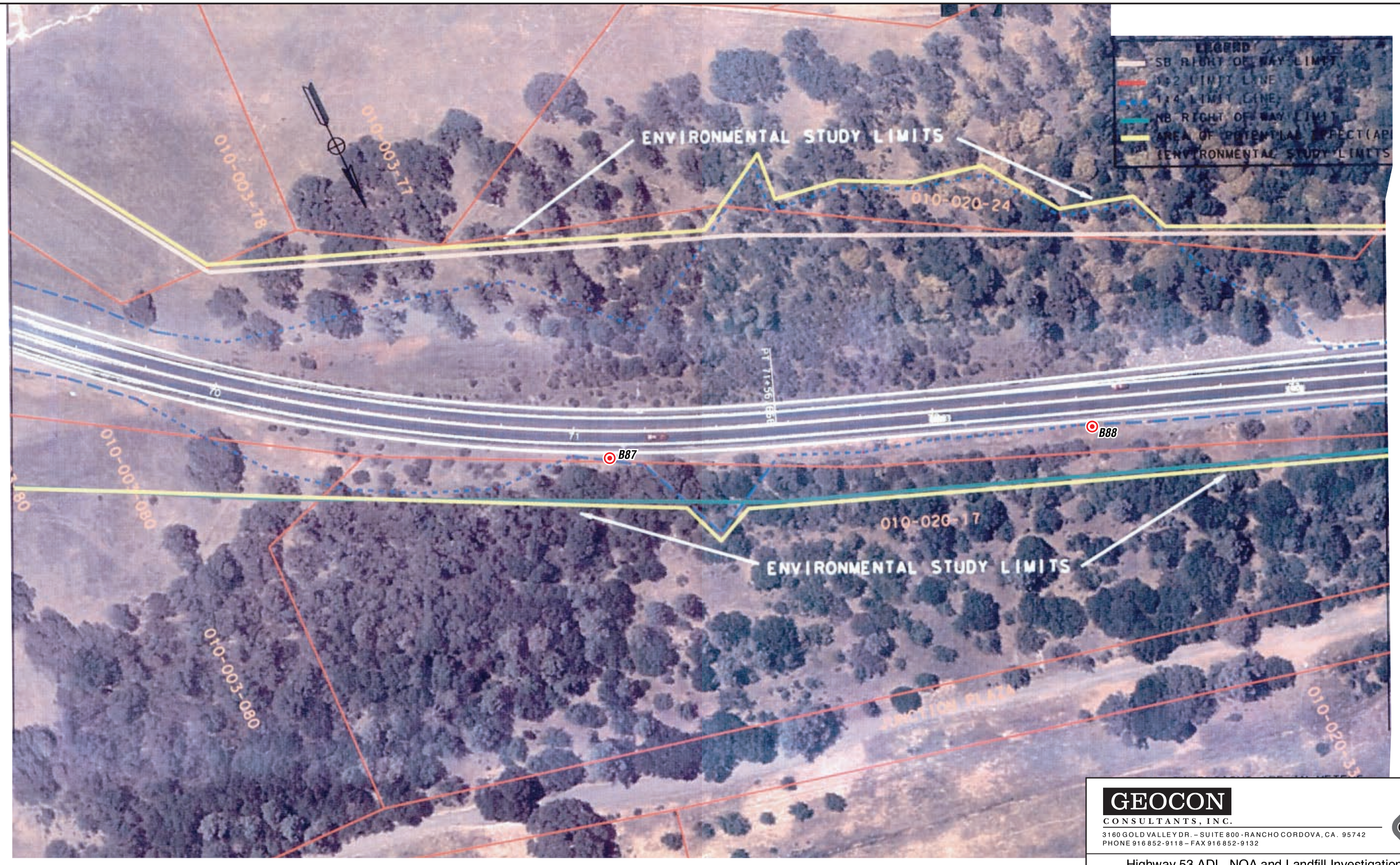
Task Order No. 101 | July 2006 | Figure 2-18



LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11

Indicates naturally occurring asbestos sample collected at this location

Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
3160 GOLD VALLEY DR. – SUITE 800 - RANCHO CORDOVA, CA. 95742
PHONE 916 852-9118 – FAX 916 852-9132

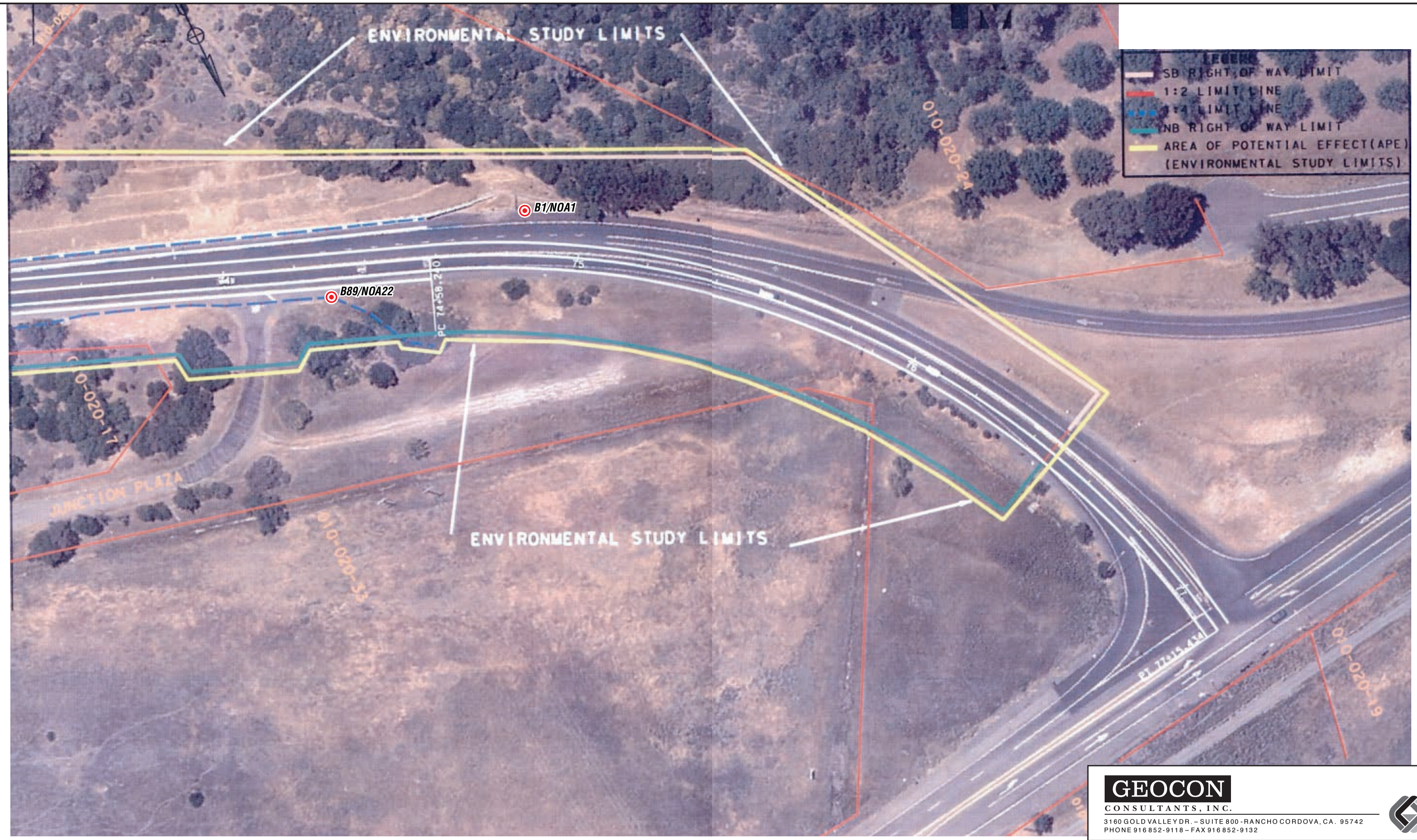
Highway 53 ADL, NOA and Landfill Investigation

Lake County, California

SITE PLAN

GEOCON Proj. No. S8875-06-101

Task Order No. 101 | July 2006 | Figure 2-19



LEGEND:

B1 Approximate Direct-Push Boring Location

HA1 Approximate Hand-Auger Boring Location

Notes:

B49/NOA11

Indicates naturally occurring asbestos sample collected at this location

Boring number for aerially deposited lead samples

0 100 Ft.

0 10 20m

Scale: 1:1,000

GEOCON
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Highway 53 ADL, NOA and Landfill Investigation

Lake County, California	**SITE PLAN**	
GEOCON Proj. No. S8875-06-101		
Task Order No. 101	July 2006	Figure 2-20

TABLE 1
SUMMARY OF BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
CALTRANS TASK ORDER NO. 101
HIGHWAY 53 PM 2.95 - 3.05/7.45
CLEAR LAKE, LAKE COUNTY, CALIFORNIA

SAMPLE I.D.	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	SOLUBLE LEAD (mg/l)	SOIL pH
HA1-0	38.951676353	-122.623432353	15 [1]	---	---
HA1-1			11 [1]	---	---
HA1-2			2.7 [1]	---	---
HA2-0	38.951434186	-122.623450859	36 [1]	---	7.6
HA2-1			4.2 [1]	---	---
HA3-0	38.951284535	-122.623401201	180 [1]	3.7 [1]	---
HA4-0	38.951275456	-122.623540036	8.3 [1]	---	---
HA4-1			5.1 [1]	---	---
HA4-2			1.7 [1]	---	---
HA5-0	38.951077711	-122.623492207	15 [1]	---	---
HA5-1			4.6 [1]	---	---
HA6-0	38.951223427	-122.623378275	27 [1]	---	---
HA7-0	38.950917382	-122.622843586	17 [1]	---	---
HA7-1			3.2 [1]	---	---
HA8-0	38.951215436	-122.622869226	7.0	---	---
HA8-1			<5.0	---	6.9
HA9-0	38.950634957	-122.622831826	32	---	---
HA10-0	38.950439571	-122.622931202	16 [1]	---	---
HA10-1			9.7 [1]	---	---
HA11-0	38.950578643	-122.624004495	9.0	---	---
HA12-0	38.950373277	-122.623662968	13 [1]	---	---
HA13-0	38.960131225	-122.621908144	7.5	---	6.5
HA14-0	38.960359147	-122.621720375	7.5	---	---
HA14-1			6.5	---	---
HA15-0	38.960739161	-122.621530291	10	---	---
HA15-1			5.8	---	---
HA15-2			5.6	---	---
HA16-0	NA	NA	9.5	---	---
HA17-0	NA	NA	8.6	---	---
HA17-1			8.7	---	---
B1-0.0	39.007056844	-122.612198800	5.1	---	---
B1-0.75			11	---	---
B1-1.5			7.8	---	---
B4-0.0	39.004418251	-122.605964087	17	---	7.8
B4-0.75			<5.0	---	---
B4-1.5			6.7	---	---

TABLE 1
SUMMARY OF BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
CALTRANS TASK ORDER NO. 101
HIGHWAY 53 PM 2.95 - 3.05/7.45
CLEAR LAKE, LAKE COUNTY, CALIFORNIA

SAMPLE I.D.	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	SOLUBLE LEAD (mg/l)	SOIL pH
B6-0.0	39.001961696	-122.604874003	12	---	---
B7-0.0	39.000629434	-122.605056184	69	0.62	---
B7-0.75			120	**6.9**	---
B8-0.0	38.999340974	-122.605688377	14	---	---
B8-0.75			43	---	---
B8-1.5			<5.0	---	---
B9-0.0	38.998176564	-122.606333410	48	---	---
B9-0.75			<5.0	---	---
B9-1.5			<5.0	---	---
B10-0.0	38.996874453	-122.607044264	210	**8.5**	---
B10-0.75			<5.0	---	---
B10-1.5			<5.0	---	---
B12-0.0	38.994241199	-122.608484506	59	3.9	---
B12-0.75			5.2	---	7.6
B12-1.5			<5.0	---	---
B13-0.0	38.993107224	-122.609113856	19	---	---
B13-0.75			<5.0	---	7.2
B13-1.5			<5.0	---	---
B14-0.0	38.991396703	-122.610048986	53	3.5	---
B14-0.75			7.0	---	---
B14-1.5			<5.0	---	---
B15-0.0	38.990449542	-122.610557570	45	---	---
B15-0.75			12	---	---
B15-1.5			<5.0	---	---
B16-0.0	38.988973458	-122.611161141	13	---	---
B16-0.75			<5.0	---	---
B16-1.5			<5.0	---	---
B17-0.0	38.987502792	-122.611682189	22	---	---
B17-0.75			<5.0	---	---
B17-1.5			<5.0	---	---
B19-0.0	38.985086575	-122.612537386	19	---	---
B19-0.75			<5.0	---	8.0
B19-1.5			<5.0	---	---
B20-0.0	38.984063259	-122.612798946	11	---	---
B20-0.75			<5.0	---	---
B20-1.5			<5.0	---	---
B21-0.0	38.982716114	-122.612909154	11	---	---
B21-0.75			<5.0	---	7.7
B21-1.5			<5.0	---	---

TABLE 1
SUMMARY OF BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
CALTRANS TASK ORDER NO. 101
HIGHWAY 53 PM 2.95 - 3.05/7.45
CLEAR LAKE, LAKE COUNTY, CALIFORNIA

SAMPLE I.D.	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	SOLUBLE LEAD (mg/l)	SOIL pH
B22-0.0	38.981159902	-122.612855290	6.8	---	---
B22-0.75			<5.0	---	---
B22-1.5			<5.0	---	---
B23-0.0	38.980014759	-122.612837837	11	---	---
B23-0.75			<5.0	---	---
B23-1.5			<5.0	---	---
B24-0.0	38.978568988	-122.612817204	76	4.9	7.5
B24-0.75			<5.0	---	---
B24-1.5			<5.0	---	---
B25-0.0	38.976997253	-122.612801453	16	---	---
B25-0.75			<5.0	---	---
B25-1.5			<5.0	---	---
B26-0.0	38.975836891	-122.612766556	49	---	---
B26-0.75			<5.0	---	---
B26-1.5			<5.0	---	---
B32-0.0	38.968803436	-122.614408185	38	---	---
B32-0.75			<5.0	---	---
B32-1.5			<5.0	---	---
B33-0.0	38.968144890	-122.615041091	61	**6.4**	---
B33-0.75			<5.0	---	---
B33-1.5			<5.0	---	---
B34-0.0	38.967007701	-122.616170886	78	4.1	7.9
B34-0.75			<5.0	---	---
B34-1.5			6.1	---	---
B37-0.0	38.963767483	-122.619427103	67	2.2	---
B37-0.75			28	---	---
B37-1.5			7.3	---	---
B38-0.0	38.962492713	-122.620511261	57	4.8	8.4
B38-0.75			12	---	---
B38-1.5			5.9	---	---
B39-0.0	38.961683907	-122.621235511	33	---	---
B39-0.75			100	**5.8**	---
B39-1.5			<5.0	---	---
B40-0.0	38.960217690	-122.622119668	46	---	---
B40-0.75			21	---	---
B40-1.5			27	---	---
B41-0.0	38.958972836	-122.622526498	71	1.1	---
B41-0.75			<5.0	---	---
B41-1.5			<5.0	---	---

TABLE 1
SUMMARY OF BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
CALTRANS TASK ORDER NO. 101
HIGHWAY 53 PM 2.95 - 3.05/7.45
CLEAR LAKE, LAKE COUNTY, CALIFORNIA

SAMPLE I.D.	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	SOLUBLE LEAD (mg/l)	SOIL pH
B42-0.0	38.957507880	-122.622723482	12	---	---
B42-0.75			5.1	---	---
B42-1.5			5.2	---	7.2
B43-0.0	38.955731472	-122.622847654	47	---	---
B43-0.75			15	---	---
B43-1.5			<5.0	---	---
B44-0.0	38.954824521	-122.622896396	6.1	---	---
B44-0.75			<5.0	---	---
B44-1.5			<5.0	---	---
B45-0.0	38.953542279	-122.622996812	<5.0	---	---
B45-0.75			<5.0	---	---
B45-1.5			<5.0	---	8.1
B46-0.0	38.952118633	-122.623137991	15	---	---
B46-0.75			<5.0	---	---
B46-1.5			12	---	---
B47-0.0	38.952048062	-122.622919193	54	3.5	---
B47-0.75			9.2	---	---
B47-1.5			6.0	---	---
B48-0.0	38.952964375	-122.622908072	45	---	---
B48-0.75			18	---	---
B49-0.0	38.954352251	-122.622801258	8.0	---	---
B49-0.75			<5.0	---	---
B49-1.5			<5.0	---	---
B50-0.0	38.955807460	-122.622739011	48	---	---
B50-0.75			<5.0	---	---
B50-1.5			<5.0	---	7.4
B51-0.0	38.957189071	-122.622625449	71	4.6	---
B51-0.75			<5.0	---	7.4
B51-1.5			<5.0	---	---
B52-0.0	38.959150808	-122.622366089	10	---	---
B52-0.75			<5.0	---	---
B52-1.5			<5.0	---	---
B53-0.0	38.963442194	-122.619447521	74	4.1	---
B53-0.75			<5.0	---	---
B53-1.5			<5.0	---	---
B54-0.0	38.964606367	-122.618358341	23	---	---
B54-0.75			<5.0	---	7.6
B54-1.5			<5.0	---	---
B56-0.0	38.967404746	-122.615613169	17	---	---

TABLE 1
SUMMARY OF BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
CALTRANS TASK ORDER NO. 101
HIGHWAY 53 PM 2.95 - 3.05/7.45
CLEAR LAKE, LAKE COUNTY, CALIFORNIA

SAMPLE I.D.	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	SOLUBLE LEAD (mg/l)	SOIL pH
B56-0.75			<5.0	---	---
B56-1.5			8.2	---	---
B57-0.0	38.967697194	-122.615272917	43	---	---
B57-0.75			<5.0	---	---
B57-1.5			<5.0	---	---
B58-0.0	38.968844389	-122.614201181	18	---	---
B58-0.75			27	---	---
B58-1.5			7.7	---	---
B59-0.0	38.969960982	-122.613379316	18	---	---
B59-0.75			<5.0	---	---
B59-1.5			<5.0	---	---
B60-0.0	38.971328198	-122.612776162	26	---	7.8
B60-0.75			<5.0	---	---
B60-1.5			<5.0	---	---
B61-0.0	38.972614269	-122.612568104	19	---	---
B61-0.75			<5.0	---	---
B61-1.5			<5.0	---	---
B62-0.0	38.973983331	-122.612598122	11	---	---
B62-0.75			<5.0	---	---
B62-1.5			<5.0	---	---
B63-0.0	38.975420351	-122.612628130	78	3.3	---
B63-0.75			5.6	---	---
B63-1.5			<5.0	---	6.9
B64-0.0	38.976740029	-122.612613104	67	2.3	---
B64-0.75			<5.0	---	---
B64-1.5			<5.0	---	---
B65-0.0	38.978050551	-122.612644709	6.1	---	---
B65-0.75			<5.0	---	---
B65-1.5			<5.0	---	---
B66-0.0	38.979431840	-122.612710031	63	3.0	---
B66-0.75			5.1	---	---
B66-1.5			<5.0	---	---
B67-0.0	38.980848606	-122.612753130	12	---	---
B67-0.75			<5.0	---	---
B67-1.5			<5.0	---	---
B68-0.0	38.982191309	-122.612771571	45	---	---
B68-0.75			<5.0	---	7.4
B68-1.5			<5.0	---	---
B69-0.0	38.983434650	-122.612761520	210	**5.8**	---

TABLE 1
SUMMARY OF BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
CALTRANS TASK ORDER NO. 101
HIGHWAY 53 PM 2.95 - 3.05/7.45
CLEAR LAKE, LAKE COUNTY, CALIFORNIA

SAMPLE I.D.	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	SOLUBLE LEAD (mg/l)	SOIL pH
B69-0.75			<5.0	---	---
B69-1.5			<5.0	---	7.2
B70-0.0	38.984801246	-122.612520809	28	---	---
B70-0.75			<5.0	---	---
B70-1.5			<5.0	---	---
B71-0.0	38.986469724	-122.611915599	110	**10**	---
B71-0.75			<5.0	---	---
B71-1.5			<5.0	---	---
B74-0.0	38.990607435	-122.610300536	16	---	---
B74-0.75			<5.0	---	7.8
B74-1.5			<5.0	---	---
B75-0.0	38.991819872	-122.609684864	28	---	---
B75-0.75			5.0	---	---
B75-1.5			<5.0	---	---
B76-0.0	38.992727401	-122.609180238	62	**5.1**	---
B76-0.75			<5.0	---	---
B76-1.5			<5.0	---	---
B77-0.0	38.994208507	-122.608331087	19	---	---
B77-0.75			160	**11**	---
B77-1.5			<5.0	---	---
B78-0.0	38.995229952	-122.607825276	110	**5.5**	---
B78-0.75			<5.0	---	---
B78-1.5			<5.0	---	---
B79-0.0	38.996447860	-122.607151803	40	---	---
B79-0.75			<5.0	---	7.6
B79-1.5			5.3	---	---
B80-0.0	38.997583078	-122.606526501	190	**14**	---
B80-0.75			<5.0	---	---
B80-1.5			13	---	---
B81-0.0	38.998881694	-122.605810260	110	**6.4**	---
B81-0.75			<5.0	---	---
B81-1.5			5.6	---	---
B82-0.0	39.000209661	-122.605095911	120	**8.8**	---
B82-0.75			6.0	---	---
B82-1.5			5.5	---	7.8
B83-0.0	39.001442417	-122.604749277	78	3.7	---
B83-0.75			5.7	---	---
B83-1.5			<5.0	---	---
B84-0.0	39.002868475	-122.604913300	130	**8.9**	---

TABLE 1
SUMMARY OF BORING COORDINATES, LEAD AND SOIL pH ANALYTICAL RESULTS
CALTRANS TASK ORDER NO. 101
HIGHWAY 53 PM 2.95 - 3.05/7.45
CLEAR LAKE, LAKE COUNTY, CALIFORNIA

SAMPLE I.D.	LATITUDE	LONGITUDE	TOTAL LEAD (mg/kg)	SOLUBLE LEAD (mg/l)	SOIL pH
B84-0.75			<5.0	---	---
B84-1.5			<5.0	---	---
B85-0.0	39.004123732	-122.605560931	110	**8.0**	7.0
B85-0.75			5.5	---	---
B85-1.5			8.5	---	---
B86-0.0	39.005150463	-122.606591218	13	---	---
B86-0.75			<5.0	---	---
B86-1.5			5.4	---	---
B87-0.0	39.005993687	-122.608140807	78	1.8	---
B87-0.75			49	---	---
B87-1.5			<5.0	---	---
B88-0.0	39.006459990	-122.609600486	20	---	---
B88-0.75			20	---	---
B88-1.5			<5.0	---	---
B89-0.0	39.007059402	-122.611572304	35	---	7.7
B89-0.75			32	---	---
B89-1.5			7.3	---	---

Notes: HA11-0

Sample depth in feet below surface grade
Boring Identification (HA = hand-auger, B = direct-push)

[1] = Lead results duplicated on Table 3, Summary of Soil Analytical Data – Title 22 Metals and SVOCs
--- = Not analyzed
< = Less than the laboratory method detection limit
NA = not available
mg/kg = Milligrams per kilogram
mg/l = Milligrams per liter
Concentrations in **bold** are greater than the California Code of Regulations Soluble Threshold Limit Concentration value for lead of 5.0 mg/l.

TABLE 2
SUMMARY OF BORING COORDINATES AND ASBESTOS ANALYTICAL RESULTS
CALTRANS TASK ORDER NO. 101
HIGHWAY 53 PM 2.95 - 3.05/7.45
CLEAR LAKE, LAKE COUNTY, CALIFORNIA

SAMPLE OR BORING IDENTIFICATION	DATE SAMPLED	LATITUDE	LONGITUDE	SERPENTINE OBSERVED IN SAMPLE?	ASBESTOS %[1] PLM	ASBESTOS %[1] TEM	ASBESTOS TYPE
B1-NOA1	6/12/2006	39.007056844	-122.612198800	NO	<0.25	---	NA
B9-NOA2	6/12/2006	38.998176564	-122.606333410	NO	<0.25	---	NA
B13-NOA3	6/12/2006	38.993107224	-122.609113856	NO	<0.25	---	NA
B17-NOA4	6/12/2006	38.987502792	-122.611682189	NO	<0.25	---	NA
B22-NOA5	6/12/2006	38.981159902	-122.612855290	YES	<0.25	0.01	ACTINOLITE CHRYSOTILE
B26-NOA6	6/12/2006	38.975836891	-122.612766556	NO	<0.25	NA	NA
B34-NOA7	6/12/2006	38.967007701	-122.616170886	NO	<0.25	NA	NA
B38-NOA8	6/12/2006	38.962492713	-122.620511261	NO	<0.25	NA	NA
B42-NOA9	6/12/2006	38.957507880	-122.622723482	NO	<0.25	NA	NA
B46-NOA10	6/12/2006	38.952118633	-122.623137991	NO	<0.25	NA	NA
B49-NOA11	6/12/2006	38.954352251	-122.622801258	NO	<0.25	NA	NA
B52-NOA12	6/13/2006	38.959150808	-122.622366089	NO	<0.25	NA	NA
B54-NOA13	6/13/2006	38.964606367	-122.618358341	NO	<0.25	NA	NA
B58-NOA14	6/13/2006	38.968844389	-122.614201181	NO	<0.25	NA	NA
B62-NOA15	6/13/2006	38.973983331	-122.612598122	NO	<0.25	NA	NA
B66-NOA16	6/13/2006	38.979431840	-122.612710031	NO	<0.25	NA	NA
B70-NOA17	6/13/2006	38.984801246	-122.612520809	NO	<0.25	<0.01	CHRYSOTILE
B74-NOA18	6/13/2006	38.990607435	-122.610300536	NO	<0.25	NA	NA
B78-NOA19	6/13/2006	38.995229952	-122.607825276	NO	<0.25	NA	NA
B82-NOA20	6/13/2006	39.000209661	-122.605095911	NO	<0.25	NA	NA
B86-NOA21	6/13/2006	39.005150463	-122.606591218	NO	<0.25	NA	NA

TABLE 2
SUMMARY OF BORING COORDINATES AND ASBESTOS ANALYTICAL RESULTS
CALTRANS TASK ORDER NO. 101
HIGHWAY 53 PM 2.95 - 3.05/7.45
CLEAR LAKE, LAKE COUNTY, CALIFORNIA

SAMPLE OR BORING IDENTIFICATION	DATE SAMPLED	LATITUDE	LONGITUDE	SERPENTINE OBSERVED IN SAMPLE?	ASBESTOS %(1) PLM	ASBESTOS %(1) TEM	ASBESTOS TYPE
B89-NOA22	6/13/2006	39.007059402	-122.611572304	NO	<0.25	NA	NA
HA5c-NOA23	6/14/2006	38.951077711	-122.623492207	NO	<0.25	NA	NA
HA7-NOA24	6/14/2006	38.950917382	-122.622843586	NO	<0.25	NA	NA
HA10-NOA25	6/14/2006	38.950439571	-122.622931202	NO	<0.25	NA	NA
HA12-NOA26	6/14/2006	38.950373277	-122.623662968	NO	<0.25	NA	NA
HA13-NOA27	6/14/2006	38.960131225	-122.621908144	NO	<0.25	NA	NA
HA14/15-NOA28	6/14/2006	NA	NA	NO	<0.25	<0.01	ACTINOLITE
HA16/17-NOA29	6/14/2006	NA	NA	NO	<0.25	NA	NA

Notes:

B1-NOA1
│ └──────── NOA Boring Identification
└──────────── Boring Identification (HA = hand-auger, B = direct-push)

(1) - Analysis by California Air Resources Board Method 435
PLM = Polarized light microscopy
TEM = Transmission electron microscopy
< = Less than the laboratory test method detection limits
NA = Not available or not applicable

TABLE 3
SUMMARY OF SOIL ANALYTICAL DATA – TITLE 22 METALS AND SVOCs
HIGHWAY 53 PM 2.05 - 3.05/7.45
CLEAR LAKE, LAKE COUNTY, CALIFORNIA

Sample ID	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead [1]	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	SVOCs	Soluble Lead [1]	Soluble Nickel
		Results Reported as mg/kg unless otherwise noted																	µg/kg	mg/l	mg/l
HA1-0	6/14/2006	2.0	1.9	320	<1.0	<1.0	40	29	23	15	<1.0	**320**	<1.0	<1.0	9.1	48	57	<0.10	---	---	---
HA1-1	6/14/2006	<2.0	1.9	350	<1.0	<1.0	42	31	22	11	<1.0	**340**	<1.0	<1.0	9.0	50	52	<0.10	---	---	11
HA1-2	6/14/2006	<2.0	2.0	310	<1.0	<1.0	40	28	19	2.7	<1.0	**320**	<1.0	<1.0	8.7	49	43	<0.10	---	---	---
HA2-0	6/14/2006	<2.0	2.4	570	<1.0	<1.0	41	41	21	36	<1.0	**380**	<1.0	<1.0	13	50	58	<0.10	---	---	18
HA2-1	6/14/2006	<2.0	2.4	480	<1.0	<1.0	27	26	12	4.2	<1.0	**280**	<1.0	<1.0	11	38	30	<0.10	---	---	---
HA3-0	6/14/2006	2.9	3.5	400	<1.0	<1.0	33	29	57	**180**	<1.0	**280**	<1.0	<1.0	8.7	39	240	0.34	---	3.7	14
HA4-0	6/14/2006	<2.0	5.4	470	<1.0	<1.0	33	38	16	8.3	<1.0	**380**	<1.0	<1.0	11	46	43	<0.10	---	---	---
HA4-1	6/14/2006	<2.0	5.8	380	<1.0	<1.0	30	36	13	5.1	<1.0	**360**	<1.0	<1.0	10	45	33	<0.10	---	---	---
HA4-2	6/14/2006	<2.0	6.2	430	<1.0	<1.0	35	42	15	1.7	<1.0	**390**	<1.0	<1.0	11	50	35	<0.10	---	---	11
HA5-0	6/14/2006	<2.0	1.6	390	<1.0	<1.0	37	39	22	15	<1.0	**430**	<1.0	<1.0	11	40	59	<0.10	---	---	17
HA5-1	6/14/2006	<2.0	1.7	320	<1.0	<1.0	34	35	19	4.6	<1.0	**390**	<1.0	<1.0	9.5	37	39	<0.10	---	---	---
HA6-0	6/14/2006	2.0	2.2	480	<1.0	<1.0	36	39	28	27	<1.0	**400**	<1.0	<1.0	12	45	83	0.13	ND	---	18
HA7-0	6/14/2006	<2.0	2.1	340	<1.0	<1.0	45	30	22	17	<1.0	**330**	<1.0	<1.0	7.8	58	50	<0.10	---	---	17
HA7-1	6/14/2006	<1.0	1.6	270	<1.0	<1.0	39	26	18	3.2	<1.0	**290**	<1.0	<1.0	7.2	47	35	<0.10	---	---	---
HA10-0	6/14/2006	<2.0	3.2	260	<1.0	<1.0	31	21	13	16	<1.0	**200**	<1.0	<1.0	6.4	39	36	<0.10	---	---	---
HA10-1	6/14/2006	<2.0	2.5	320	<1.0	<1.0	37	24	13	9.7	<1.0	**240**	<1.0	<1.0	8.3	41	35	<0.10	---	---	7.0
HA12-0	6/14/2006	2.5	2.6	210	<1.0	<1.0	40	34	22	13	<1.0	**440**	<1.0	<1.0	9.8	48	52	0.57	---	---	12
TTLC		500	500	10,000	75	100	2,500	8,000	2,500	1,000	3,500	2,000	100	500	700	2,400	5,000	20	---	---	---
STLC		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5	20

Notes:
[1] = Lead results also reported in Table 2, Summary of Boring Coordinates, Lead and Soil pH Analytical Results
mg/kg = Milligrams per kilogram
µg/kg = Micrograms per kilogram
mg/l = Milligrams per liter
TTLC = California Code of Regulations, Total Threshold Limit Concentration
STLC = California Code of Regulations Soluble Threshold Limit Concentration
< = No detection above the laboratory method reporting limit
--- = Not analyzed
ND = Not detected above each analyte's respective method detection limit
Bold = Equals or exceeds ten times the soluble threshold limit concentration (STLC)
SVOCs = Semi-volatile organic compounds

July 11, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 085057

James Winslow
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

RE: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

Attention: James Winslow

Enclosed are the results for sample(s) received on June 15, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an amended report. Please disregard all previous documentation that corresponds to the page(s) enclosed.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eggesmund

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CASE NARRATIVE

Sample Receiving / General Comments

The laboratory received a sample labeled HA17-1, but was not listed on the Chain of Custody (COC). The client was notified on 06/15/06 and informed the laboratory that an amended COC would be submitted.

Analytical Comments for Method 6010

Dilution was necessary for samples 085057-002A, 085057-004A, 085057-006A, 085057-009A, 085057-010A, 085057-012A, 085057-013A, 085057-019A and 085057-021A, due to sample matrix.

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are outside recovery criteria for samples 085057-010AMS, 085057-021AMS and 085057-021AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP), Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 085057-010ADUP, 085057-021ADUP, 085057-021AMSD and 085057-027ADUP; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories

Date: 7/11/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	085057
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-06-1	**Date Received**	6/15/2006 10:27:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
085057-015A	HA8-0	7.0	mg/Kg	28639	5.0	1	6/14/2006	6/16/2006
085057-016A	HA8-1	ND	mg/Kg	28639	5.0	1	6/14/2006	6/16/2006
085057-017A	HA9-0	32	mg/Kg	28639	5.0	1	6/14/2006	6/16/2006
085057-020A	HA11-0	9.0	mg/Kg	28639	5.0	1	6/14/2006	6/16/2006
085057-022A	HA13-0	7.5	mg/Kg	28639	5.0	1	6/14/2006	6/16/2006
085057-023A	HA14-0	7.5	mg/Kg	28639	5.0	1	6/14/2006	6/16/2006
085057-024A	HA14-1	6.5	mg/Kg	28639	5.0	1	6/14/2006	6/16/2006
085057-025A	HA15-0	10	mg/Kg	28639	5.0	1	6/14/2006	6/16/2006
085057-026A	HA15-1	5.8	mg/Kg	28639	5.0	1	6/14/2006	6/16/2006
085057-027A	HA15-2	5.6	mg/Kg	28639	5.0	1	6/14/2006	6/16/2006
085057-028A	HA16-0	9.5	mg/Kg	28639	5.0	1	6/14/2006	6/16/2006
085057-029A	HA17-0	8.6	mg/Kg	28639	5.0	1	6/14/2006	6/16/2006
085057-030A	HA17-1	8.7	mg/Kg	28639	5.0	1	6/14/2006	6/16/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: 7/11/2006

pH
EPA 9045C

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	085057
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-06-1	**Date Received**	6/15/2006 10:27:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	MFP

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
085057-004A	HA2-0	7.6	pH Units	R64634	0.10	1	6/14/2006	6/16/2006
085057-016A	HA8-1	6.9	pH Units	R64634	0.10	1	6/14/2006	6/16/2006
085057-022A	HA13-0	6.5	pH Units	R64634	0.10	1	6/14/2006	6/16/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA1-0
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 9:00:00 AM
Lab ID:	085057-001A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616F	QC Batch: 28640			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	2.0	2.0		mg/Kg	1	6/16/2006
Arsenic	1.9	1.0		mg/Kg	1	6/16/2006
Barium	320	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	40	1.0		mg/Kg	1	6/16/2006
Cobalt	29	1.0		mg/Kg	1	6/16/2006
Copper	23	2.0		mg/Kg	1	6/16/2006
Lead	15	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	320	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	9.1	1.0		mg/Kg	1	6/16/2006
Vanadium	48	1.0		mg/Kg	1	6/16/2006
Zinc	57	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619A	QC Batch: 28660			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA1-1
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 9:02:00 AM
Lab ID:	085057-002A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616F	QC Batch: 28640			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	6/16/2006
Arsenic	1.9	1.0		mg/Kg	1	6/16/2006
Barium	350	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	42	1.0		mg/Kg	1	6/16/2006
Cobalt	31	1.0		mg/Kg	1	6/16/2006
Copper	22	2.0		mg/Kg	1	6/16/2006
Lead	11	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	340	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	9.0	1.0		mg/Kg	1	6/16/2006
Vanadium	50	1.0		mg/Kg	1	6/16/2006
Zinc	52	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619A	QC Batch: 28660			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA1-2
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 9:04:00 AM
Lab ID:	085057-003A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616F	QC Batch: 28640			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	6/16/2006
Arsenic	2.0	1.0		mg/Kg	1	6/16/2006
Barium	310	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	40	1.0		mg/Kg	1	6/16/2006
Cobalt	28	1.0		mg/Kg	1	6/16/2006
Copper	19	2.0		mg/Kg	1	6/16/2006
Lead	2.7	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	320	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	8.7	1.0		mg/Kg	1	6/16/2006
Vanadium	49	1.0		mg/Kg	1	6/16/2006
Zinc	43	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619A	QC Batch: 28660			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA2-0
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 9:15:00 AM
Lab ID:	085057-004A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616F	QC Batch: 28640			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	6/16/2006
Arsenic	2.4	1.0		mg/Kg	1	6/16/2006
Barium	570	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	41	1.0		mg/Kg	1	6/16/2006
Cobalt	41	1.0		mg/Kg	1	6/16/2006
Copper	21	2.0		mg/Kg	1	6/16/2006
Lead	36	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	380	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	13	1.0		mg/Kg	1	6/16/2006
Vanadium	50	1.0		mg/Kg	1	6/16/2006
Zinc	58	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619A	QC Batch: 28660			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA2-1
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 9:17:00 AM
Lab ID:	085057-005A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616F	QC Batch: 28640			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	6/16/2006
Arsenic	2.4	1.0		mg/Kg	1	6/16/2006
Barium	480	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	27	1.0		mg/Kg	1	6/16/2006
Cobalt	26	1.0		mg/Kg	1	6/16/2006
Copper	12	2.0		mg/Kg	1	6/16/2006
Lead	4.2	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	280	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	11	1.0		mg/Kg	1	6/16/2006
Vanadium	38	1.0		mg/Kg	1	6/16/2006
Zinc	30	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619A	QC Batch: 28660			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA3-0
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 9:25:00 AM
Lab ID:	085057-006A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616F	QC Batch: 28640			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	2.9	2.0		mg/Kg	1	6/16/2006
Arsenic	3.5	1.0		mg/Kg	1	6/16/2006
Barium	400	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	33	1.0		mg/Kg	1	6/16/2006
Cobalt	29	1.0		mg/Kg	1	6/16/2006
Copper	57	2.0		mg/Kg	1	6/16/2006
Lead	180	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	280	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	8.7	1.0		mg/Kg	1	6/16/2006
Vanadium	39	1.0		mg/Kg	1	6/16/2006
Zinc	240	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619A	QC Batch: 28660			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	0.34	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA4-0
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 9:42:00 AM
Lab ID:	085057-007A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616F	QC Batch: 28640			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	6/16/2006
Arsenic	5.4	1.0		mg/Kg	1	6/16/2006
Barium	470	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	33	1.0		mg/Kg	1	6/16/2006
Cobalt	38	1.0		mg/Kg	1	6/16/2006
Copper	16	2.0		mg/Kg	1	6/16/2006
Lead	8.3	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	380	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	11	1.0		mg/Kg	1	6/16/2006
Vanadium	46	1.0		mg/Kg	1	6/16/2006
Zinc	43	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619A	QC Batch: 28660			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA4-1
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 9:45:00 AM
Lab ID:	085057-008A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616F	QC Batch: 28640			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	6/16/2006
Arsenic	5.8	1.0		mg/Kg	1	6/16/2006
Barium	380	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	30	1.0		mg/Kg	1	6/16/2006
Cobalt	36	1.0		mg/Kg	1	6/16/2006
Copper	13	2.0		mg/Kg	1	6/16/2006
Lead	5.1	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	360	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	10	1.0		mg/Kg	1	6/16/2006
Vanadium	45	1.0		mg/Kg	1	6/16/2006
Zinc	33	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619A	QC Batch: 28660			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA4-2
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 9:48:00 AM
Lab ID:	085057-009A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616F	QC Batch: 28640			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	6/16/2006
Arsenic	6.2	1.0		mg/Kg	1	6/16/2006
Barium	430	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	35	1.0		mg/Kg	1	6/16/2006
Cobalt	42	1.0		mg/Kg	1	6/16/2006
Copper	15	2.0		mg/Kg	1	6/16/2006
Lead	1.7	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	390	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	11	1.0		mg/Kg	1	6/16/2006
Vanadium	50	1.0		mg/Kg	1	6/16/2006
Zinc	35	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619A	QC Batch: 28660			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA5-0
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 10:10:00 AM
Lab ID:	085057-010A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616F	QC Batch: 28640			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	6/16/2006
Arsenic	1.6	1.0		mg/Kg	1	6/16/2006
Barium	390	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	37	1.0		mg/Kg	1	6/16/2006
Cobalt	39	1.0		mg/Kg	1	6/16/2006
Copper	22	2.0		mg/Kg	1	6/16/2006
Lead	15	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	430	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	11	1.0		mg/Kg	1	6/16/2006
Vanadium	40	1.0		mg/Kg	1	6/16/2006
Zinc	59	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619A	QC Batch: 28660			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA5-1
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 10:15:00 AM
Lab ID:	085057-011A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616G	QC Batch: 28657			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	6/16/2006
Arsenic	1.7	1.0		mg/Kg	1	6/16/2006
Barium	320	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	34	1.0		mg/Kg	1	6/16/2006
Cobalt	35	1.0		mg/Kg	1	6/16/2006
Copper	19	2.0		mg/Kg	1	6/16/2006
Lead	4.6	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	390	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	9.5	1.0		mg/Kg	1	6/16/2006
Vanadium	37	1.0		mg/Kg	1	6/16/2006
Zinc	39	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619B	QC Batch: 28661			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA6-0
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 10:30:00 AM
Lab ID:	085057-012A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616G	QC Batch: 28657			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	2.0	2.0		mg/Kg	1	6/16/2006
Arsenic	2.2	1.0		mg/Kg	1	6/16/2006
Barium	480	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	36	1.0		mg/Kg	1	6/16/2006
Cobalt	39	1.0		mg/Kg	1	6/16/2006
Copper	28	2.0		mg/Kg	1	6/16/2006
Lead	27	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	400	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	12	1.0		mg/Kg	1	6/16/2006
Vanadium	45	1.0		mg/Kg	1	6/16/2006
Zinc	83	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619B	QC Batch: 28661			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	0.13	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA6-0
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 10:30:00 AM
Lab ID:	085057-012A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060619A	QC Batch: 28666			PrepDate:	6/16/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	6/19/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	6/19/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	6/19/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	6/19/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	6/19/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	6/19/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	6/19/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	6/19/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	6/19/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	6/19/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	6/19/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	6/19/2006
2-Chlorophenol	ND	330		µg/Kg	1	6/19/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	6/19/2006
2-Methylphenol	ND	330		µg/Kg	1	6/19/2006
2-Nitroaniline	ND	1600		µg/Kg	1	6/19/2006
2-Nitrophenol	ND	330		µg/Kg	1	6/19/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	6/19/2006
3-Nitroaniline	ND	1600		µg/Kg	1	6/19/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	6/19/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	6/19/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	6/19/2006
4-Chloroaniline	ND	660		µg/Kg	1	6/19/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	6/19/2006
4-Methylphenol	ND	330		µg/Kg	1	6/19/2006
4-Nitroaniline	ND	1600		µg/Kg	1	6/19/2006
4-Nitrophenol	ND	1600		µg/Kg	1	6/19/2006
Acenaphthene	ND	330		µg/Kg	1	6/19/2006
Acenaphthylene	ND	330		µg/Kg	1	6/19/2006
Anthracene	ND	330		µg/Kg	1	6/19/2006
Benzidine (M)	ND	1600		µg/Kg	1	6/19/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	6/19/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	6/19/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	6/19/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	6/19/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	6/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA6-0
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 10:30:00 AM
Lab ID:	085057-012A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B			**EPA 8270C**			
RunID: MS7_060619A	QC Batch: 28666			PrepDate:	6/16/2006	Analyst: **MFR**
Benzoic acid	ND	1600		µg/Kg	1	6/19/2006
Benzyl alcohol	ND	660		µg/Kg	1	6/19/2006
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	6/19/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	6/19/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	6/19/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	6/19/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	6/19/2006
Chrysene	ND	330		µg/Kg	1	6/19/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	6/19/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	6/19/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	6/19/2006
Dibenzofuran	ND	330		µg/Kg	1	6/19/2006
Diethylphthalate	ND	330		µg/Kg	1	6/19/2006
Dimethylphthalate	ND	330		µg/Kg	1	6/19/2006
Fluoranthene	ND	330		µg/Kg	1	6/19/2006
Fluorene	ND	330		µg/Kg	1	6/19/2006
Hexachlorobenzene	ND	330		µg/Kg	1	6/19/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	6/19/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	6/19/2006
Hexachloroethane	ND	330		µg/Kg	1	6/19/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	6/19/2006
Isophorone	ND	330		µg/Kg	1	6/19/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	6/19/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	6/19/2006
Naphthalene	ND	330		µg/Kg	1	6/19/2006
Nitrobenzene	ND	330		µg/Kg	1	6/19/2006
Pentachlorophenol	ND	1600		µg/Kg	1	6/19/2006
Phenanthrene	ND	330		µg/Kg	1	6/19/2006
Phenol	ND	330		µg/Kg	1	6/19/2006
Pyrene	ND	330		µg/Kg	1	6/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA7-0
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 10:48:00 AM
Lab ID:	085057-013A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616G	QC Batch: 28657			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	6/16/2006
Arsenic	2.1	1.0		mg/Kg	1	6/16/2006
Barium	340	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	45	1.0		mg/Kg	1	6/16/2006
Cobalt	30	1.0		mg/Kg	1	6/16/2006
Copper	22	2.0		mg/Kg	1	6/16/2006
Lead	17	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	330	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	7.8	1.0		mg/Kg	1	6/16/2006
Vanadium	58	1.0		mg/Kg	1	6/16/2006
Zinc	50	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619B	QC Batch: 28661			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA7-1
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 10:50:00 AM
Lab ID:	085057-014A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616G	QC Batch: 28657			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	6/16/2006
Arsenic	1.6	1.0		mg/Kg	1	6/16/2006
Barium	270	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	39	1.0		mg/Kg	1	6/16/2006
Cobalt	26	1.0		mg/Kg	1	6/16/2006
Copper	18	2.0		mg/Kg	1	6/16/2006
Lead	3.2	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	290	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	7.2	1.0		mg/Kg	1	6/16/2006
Vanadium	47	1.0		mg/Kg	1	6/16/2006
Zinc	35	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619B	QC Batch: 28661			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA10-0
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 11:30:00 AM
Lab ID:	085057-018A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616G	QC Batch: 28657			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	6/16/2006
Arsenic	3.2	1.0		mg/Kg	1	6/16/2006
Barium	260	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	31	1.0		mg/Kg	1	6/16/2006
Cobalt	21	1.0		mg/Kg	1	6/16/2006
Copper	13	2.0		mg/Kg	1	6/16/2006
Lead	16	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	200	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	6.4	1.0		mg/Kg	1	6/16/2006
Vanadium	39	1.0		mg/Kg	1	6/16/2006
Zinc	36	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619B	QC Batch: 28661			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA10-1
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 11:35:00 AM
Lab ID:	085057-019A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616G	QC Batch: 28657			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	6/16/2006
Arsenic	2.5	1.0		mg/Kg	1	6/16/2006
Barium	320	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	37	1.0		mg/Kg	1	6/16/2006
Cobalt	24	1.0		mg/Kg	1	6/16/2006
Copper	13	2.0		mg/Kg	1	6/16/2006
Lead	9.7	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	240	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	8.3	1.0		mg/Kg	1	6/16/2006
Vanadium	41	1.0		mg/Kg	1	6/16/2006
Zinc	35	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619B	QC Batch: 28661			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Geocon Consultants, Inc.	**Client Sample ID:**	HA12-0
Lab Order:	085057	**Tag Number:**	
Project:	Hwy 53- Clear Lake - NOA & ADL, S8875-0	**Collection Date:**	6/14/2006 12:10:00 PM
Lab ID:	085057-021A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060616G	QC Batch: 28657			PrepDate:	6/16/2006	Analyst: **RQ**
Antimony	2.5	2.0		mg/Kg	1	6/16/2006
Arsenic	2.6	1.0		mg/Kg	1	6/16/2006
Barium	210	1.0		mg/Kg	1	6/16/2006
Beryllium	ND	1.0		mg/Kg	1	6/16/2006
Cadmium	ND	1.0		mg/Kg	1	6/16/2006
Chromium	40	1.0		mg/Kg	1	6/16/2006
Cobalt	34	1.0		mg/Kg	1	6/16/2006
Copper	22	2.0		mg/Kg	1	6/16/2006
Lead	13	1.0		mg/Kg	1	6/16/2006
Molybdenum	ND	1.0		mg/Kg	1	6/16/2006
Nickel	440	1.0		mg/Kg	1	6/16/2006
Selenium	ND	1.0		mg/Kg	1	6/16/2006
Silver	ND	1.0		mg/Kg	1	6/16/2006
Thallium	9.8	1.0		mg/Kg	1	6/16/2006
Vanadium	48	1.0		mg/Kg	1	6/16/2006
Zinc	52	1.0		mg/Kg	1	6/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060619B	QC Batch: 28661			PrepDate:	6/16/2006	Analyst: **JT**
Mercury	0.57	0.10		mg/Kg	1	6/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-28640** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64628**
Client ID: **PBS** Batch ID: **28640** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **957788**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	0.018	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-28640** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64628**
Client ID: **LCSS** Batch ID: **28640** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **957789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	52.497	2.0	50.00	0	105	80	120				
Arsenic	52.773	1.0	50.00	0	106	80	120				
Barium	55.724	1.0	50.00	0	111	80	120				
Beryllium	51.642	1.0	50.00	0	103	80	120				
Cadmium	52.682	1.0	50.00	0.01783	105	80	120				
Chromium	53.535	1.0	50.00	0	107	80	120				
Cobalt	51.274	1.0	50.00	0	103	80	120				
Copper	53.974	2.0	50.00	0	108	80	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-28640** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64628**
Client ID: **LCSS** Batch ID: **28640** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **957789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	53.506	1.0	50.00	0	107	80	120				
Molybdenum	53.900	1.0	50.00	0	108	80	120				
Nickel	51.770	1.0	50.00	0	104	80	120				
Selenium	50.570	1.0	50.00	0	101	80	120				
Silver	49.445	1.0	50.00	0	98.9	80	120				
Thallium	53.746	1.0	50.00	0	107	80	120				
Vanadium	53.206	1.0	50.00	0	106	80	120				
Zinc	52.840	1.0	50.00	0	106	80	120				

Sample ID: **085057-010ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64628**
Client ID: **HA5-0** Batch ID: **28640** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **957800**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.628	2.0						1.786	0	20	
Arsenic	1.632	1.0						1.566	4.14	20	
Barium	407.015	1.0						391.4	3.91	20	
Beryllium	0.036	1.0						0	0	20	
Cadmium	ND	1.0						0	0	20	
Copper	24.278	2.0						22.46	7.77	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	412.012	1.0						430.3	4.34	20	
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	9.835	1.0						10.71	8.50	20	
Vanadium	38.247	1.0						40.09	4.70	20	
Zinc	70.238	1.0						59.41	16.7	20	

Sample ID: **085057-010AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64628**
Client ID: **HA5-0** Batch ID: **28640** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **957801**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **085057-010AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64628**
Client ID: **HA5-0** Batch ID: **28640** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **957801**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	63.018	2.0	125.0	1.786	49.0	25	108				
Arsenic	86.936	1.0	125.0	1.566	68.3	46	118				
Barium	531.755	1.0	125.0	391.4	112	32	131				
Beryllium	88.384	1.0	125.0	0	70.7	59	104				
Cadmium	93.473	1.0	125.0	0	74.8	63	105				
Copper	130.638	2.0	125.0	22.46	86.5	54	126				
Molybdenum	72.320	1.0	125.0	0	57.9	61	104				S
Nickel	541.013	1.0	125.0	430.3	88.6	50	112				
Selenium	83.140	1.0	125.0	0	66.5	53	109				
Silver	98.896	1.0	125.0	0	79.1	41	121				
Thallium	93.444	1.0	125.0	10.71	66.2	54	100				
Vanadium	136.045	1.0	125.0	40.09	76.8	59	109				
Zinc	164.592	1.0	125.0	59.41	84.1	27	131				

Sample ID: **085057-010AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64628**
Client ID: **HA5-0** Batch ID: **28640** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **957802**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	61.558	2.0	125.0	1.786	47.8	25	108	63.02	2.34	20	
Arsenic	86.350	1.0	125.0	1.566	67.8	46	118	86.94	0.676	20	
Barium	527.156	1.0	125.0	391.4	109	32	131	531.8	0.869	20	
Beryllium	89.040	1.0	125.0	0	71.2	59	104	88.38	0.739	20	
Cadmium	93.967	1.0	125.0	0	75.2	63	105	93.47	0.527	20	
Copper	127.877	2.0	125.0	22.46	84.3	54	126	130.6	2.14	20	
Molybdenum	72.660	1.0	125.0	0	58.1	61	104	72.32	0.470	20	S
Nickel	552.194	1.0	125.0	430.3	97.5	50	112	541.0	2.05	20	
Selenium	84.543	1.0	125.0	0	67.6	53	109	83.14	1.67	20	
Silver	99.259	1.0	125.0	0	79.4	41	121	98.90	0.366	20	
Thallium	93.804	1.0	125.0	10.71	66.5	54	100	93.44	0.384	20	
Vanadium	137.559	1.0	125.0	40.09	78.0	59	109	136.0	1.11	20	
Zinc	148.068	1.0	125.0	59.41	70.9	27	131	164.6	10.6	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-28657** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64644**
Client ID: **PBS** Batch ID: **28657** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **958067**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-28657** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64644**
Client ID: **LCSS** Batch ID: **28657** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **958068**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	51.247	2.0	50.00	0	102	80	120				
Arsenic	51.837	1.0	50.00	0	104	80	120				
Barium	54.129	1.0	50.00	0	108	80	120				
Beryllium	50.137	1.0	50.00	0	100	80	120				
Cadmium	51.680	1.0	50.00	0	103	80	120				
Chromium	51.077	1.0	50.00	0	102	80	120				
Cobalt	50.134	1.0	50.00	0	100	80	120				
Copper	51.343	2.0	50.00	0	103	80	120				
Lead	52.307	1.0	50.00	0	105	80	120				
Molybdenum	52.240	1.0	50.00	0	104	80	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-28657** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64644**
Client ID: **LCSS** Batch ID: **28657** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **958068**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	49.944	1.0	50.00	0	99.9	80	120				
Selenium	49.673	1.0	50.00	0	99.3	80	120				
Silver	47.798	1.0	50.00	0	95.6	80	120				
Thallium	52.040	1.0	50.00	0	104	80	120				
Vanadium	50.443	1.0	50.00	0	101	80	120				
Zinc	51.407	1.0	50.00	0	103	80	120				

Sample ID: **085057-021ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64644**
Client ID: **HA12-0** Batch ID: **28657** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **958077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.031	2.0						2.522	21.6	20	R
Arsenic	2.129	1.0						2.622	20.8	20	R
Barium	162.494	1.0						207.3	24.2	20	R
Beryllium	ND	1.0						0	0	20	
Cadmium	ND	1.0						0	0	20	
Chromium	31.695	1.0						39.85	22.8	20	R
Cobalt	26.628	1.0						34.30	25.2	20	R
Copper	16.792	2.0						21.74	25.7	20	R
Lead	12.846	1.0						12.67	1.37	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	338.771	1.0						441.2	26.3	20	R
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	7.567	1.0						9.839	26.1	20	R
Vanadium	35.830	1.0						47.55	28.1	20	R
Zinc	42.196	1.0						51.51	19.9	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **085057-021AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64644**
Client ID: **HA12-0** Batch ID: **28657** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **958078**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43.780	2.0	125.0	2.522	33.0	25	108				
Arsenic	74.920	1.0	125.0	2.622	57.8	46	118				
Barium	243.867	1.0	125.0	207.3	29.3	32	131				S
Beryllium	73.535	1.0	125.0	0	58.8	59	104				S
Cadmium	78.835	1.0	125.0	0	63.1	63	105				
Chromium	105.001	1.0	125.0	39.85	52.1	49	116				
Cobalt	99.544	1.0	125.0	34.30	52.2	58	104				S
Copper	99.956	2.0	125.0	21.74	62.6	54	126				
Lead	81.376	1.0	125.0	12.67	55.0	31	122				
Molybdenum	59.889	1.0	125.0	0	47.9	61	104				S
Nickel	418.761	1.0	125.0	441.2	-18.0	50	112				S
Selenium	70.623	1.0	125.0	0	56.5	53	109				
Silver	82.151	1.0	125.0	0	65.7	41	121				
Thallium	77.250	1.0	125.0	9.839	53.9	54	100				S
Vanadium	111.854	1.0	125.0	47.55	51.4	59	109				S
Zinc	113.167	1.0	125.0	51.51	49.3	27	131				

Sample ID: **085057-021AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64644**
Client ID: **HA12-0** Batch ID: **28657** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **958079**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	56.012	2.0	125.0	2.522	42.8	25	108	43.78	24.5	20	R
Arsenic	93.079	1.0	125.0	2.622	72.4	46	118	74.92	21.6	20	R
Barium	284.019	1.0	125.0	207.3	61.4	32	131	243.9	15.2	20	
Beryllium	89.878	1.0	125.0	0	71.9	59	104	73.54	20.0	20	R
Cadmium	96.700	1.0	125.0	0	77.4	63	105	78.84	20.4	20	R
Chromium	126.751	1.0	125.0	39.85	69.5	49	116	105.0	18.8	20	
Cobalt	119.864	1.0	125.0	34.30	68.4	58	104	99.54	18.5	20	
Copper	123.045	2.0	125.0	21.74	81.0	54	126	99.96	20.7	20	R
Lead	99.981	1.0	125.0	12.67	69.8	31	122	81.38	20.5	20	R
Molybdenum	75.934	1.0	125.0	0	60.7	61	104	59.89	23.6	20	SR

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **085057-021AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64644**
Client ID: **HA12-0** Batch ID: **28657** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/16/2006** SeqNo: **958079**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	488.356	1.0	125.0	441.2	37.7	50	112	418.8	15.3	20	S
Selenium	87.573	1.0	125.0	0	70.1	53	109	70.62	21.4	20	R
Silver	100.876	1.0	125.0	0	80.7	41	121	82.15	20.5	20	R
Thallium	92.720	1.0	125.0	9.839	66.3	54	100	77.25	18.2	20	
Vanadium	134.148	1.0	125.0	47.55	69.3	59	109	111.9	18.1	20	
Zinc	135.489	1.0	125.0	51.51	67.2	27	131	113.2	18.0	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **MB-28639A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **6/15/2006** RunNo: **64622**
Client ID: **PBS** Batch ID: **28639** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **6/16/2006** SeqNo: **957688**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **LCS-28639** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **6/15/2006** RunNo: **64622**
Client ID: **LCSS** Batch ID: **28639** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **6/16/2006** SeqNo: **957689**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	266.152	5.0	250.0	0	106	80	120				

Sample ID: **085057-027ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **6/15/2006** RunNo: **64622**
Client ID: **HA15-2** Batch ID: **28639** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **6/16/2006** SeqNo: **957700**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.234	5.0						5.576	58.9	20	R

Sample ID: **085057-027AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **6/15/2006** RunNo: **64622**
Client ID: **HA15-2** Batch ID: **28639** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **6/16/2006** SeqNo: **957701**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	200.082	5.0	250.0	5.576	77.8	31	122				

Sample ID: **MB-28639B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **6/15/2006** RunNo: **64622**
Client ID: **PBS** Batch ID: **28639** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **6/16/2006** SeqNo: **957702**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID: **085057-030ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **6/15/2006** RunNo: **64622**
Client ID: **HA17-1** Batch ID: **28639** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **6/16/2006** SeqNo: **957706**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: **085057-030ADUP**	SampType: **DUP**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **6/15/2006**	RunNo: **64622**
Client ID: **HA17-1**	Batch ID: **28639**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **6/16/2006**	SeqNo: **957706**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.141	5.0						8.656	6.13	20	

Sample ID: **085057-030AMS**	SampType: **MS**	TestCode: **6010_SPB**	Units: **mg/Kg**	Prep Date: **6/15/2006**	RunNo: **64622**
Client ID: **HA17-1**	Batch ID: **28639**	TestNo: **EPA 6010B**	**EPA 3050M**	Analysis Date: **6/16/2006**	SeqNo: **957707**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	179.437	5.0	250.0	8.656	68.3	31	122				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **085057-010A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64659**
Client ID: **HA5-0** Batch ID: **28660** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/19/2006** SeqNo: **958344**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.097	0.10						0.09697	0	20	

Sample ID: **085057-010A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64659**
Client ID: **HA5-0** Batch ID: **28660** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/19/2006** SeqNo: **958345**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.001	0.10	0.8300	0.09697	109	52	163				

Sample ID: **085057-010A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64659**
Client ID: **HA5-0** Batch ID: **28660** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/19/2006** SeqNo: **958346**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.949	0.10	0.8300	0.09697	103	52	163	1.001	5.34	20	

Sample ID: **LCS-28660** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64659**
Client ID: **LCSS** Batch ID: **28660** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/19/2006** SeqNo: **958347**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.082	0.10	2.080	0	100	80	120				

Sample ID: **MB-28660** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64659**
Client ID: **PBS** Batch ID: **28660** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/19/2006** SeqNo: **958348**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **085057-021A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64660**
Client ID: **HA12-0** Batch ID: **28661** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/19/2006** SeqNo: **958356**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.065	0.10						0.5734	0	20	

Sample ID: **085057-021A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64660**
Client ID: **HA12-0** Batch ID: **28661** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/19/2006** SeqNo: **958357**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.015	0.10	0.8300	0.5734	53.2	52	163				

Sample ID: **085057-021A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64660**
Client ID: **HA12-0** Batch ID: **28661** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/19/2006** SeqNo: **958358**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.025	0.10	0.8300	0.5734	54.4	52	163	1.015	1.01	20	

Sample ID: **LCS-28661** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64660**
Client ID: **LCSS** Batch ID: **28661** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/19/2006** SeqNo: **958359**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.178	0.10	2.080	0	105	80	120				

Sample ID: **MB-28661** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/16/2006** RunNo: **64660**
Client ID: **PBS** Batch ID: **28661** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/19/2006** SeqNo: **958360**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-28666** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **6/16/2006** RunNo: **64653**
Client ID: **LCSS** Batch ID: **28666** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **6/19/2006** SeqNo: **958219**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2978.000	330	3330	0	89.4	58	117				
1,4-Dichlorobenzene	2472.667	330	3330	0	74.3	56	100				
2,4-Dinitrotoluene	4083.333	330	3330	0	123	71	135				
2-Chlorophenol	2807.333	330	3330	0	84.3	66	107				
4-Chloro-3-methylphenol	3603.000	660	3330	0	108	74	128				
4-Nitrophenol	3581.000	1600	3330	0	108	54	133				
Acenaphthene	3416.000	330	3330	0	103	73	118				
N-Nitrosodi-n-propylamine	3049.000	330	3330	0	91.6	67	113				
Pentachlorophenol	3502.000	1600	3330	0	105	78	127				
Phenol	2956.333	330	3330	0	88.8	67	110				
Pyrene	3882.000	330	3330	0	117	74	127				

Sample ID: **MB-28666** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **6/16/2006** RunNo: **64653**
Client ID: **PBS** Batch ID: **28666** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **6/19/2006** SeqNo: **958220**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-28666**	SampType: **MBLK**	TestCode: **8270_S_FUL**	Units: **µg/Kg**	Prep Date: **6/16/2006**	RunNo: **64653**
Client ID: **PBS**	Batch ID: **28666**	TestNo: **EPA 8270C**	**EPA 3550B**	Analysis Date: **6/19/2006**	SeqNo: **958220**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-28666** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **6/16/2006** RunNo: **64653**
Client ID: **PBS** Batch ID: **28666** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **6/19/2006** SeqNo: **958220**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									

Sample ID: **085047-004AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **6/16/2006** RunNo: **64653**
Client ID: **ZZZZZZ** Batch ID: **28666** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **6/19/2006** SeqNo: **958489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2530.667	330	3330	0	76.0	45	126				
1,4-Dichlorobenzene	2004.333	330	3330	0	60.2	41	110				
2,4-Dinitrotoluene	3521.000	330	3330	0	106	57	139				
2-Chlorophenol	2266.667	330	3330	0	68.1	52	117				
4-Chloro-3-methylphenol	3160.667	660	3330	0	94.9	63	135				
4-Nitrophenol	3288.000	1600	3330	0	98.7	48	137				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **085047-004AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **6/16/2006** RunNo: **64653**
Client ID: **ZZZZZZ** Batch ID: **28666** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **6/19/2006** SeqNo: **958489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3116.667	330	3330	0	93.6	59	129				
N-Nitrosodi-n-propylamine	2668.667	330	3330	0	80.1	41	135				
Pentachlorophenol	3306.000	1600	3330	0	99.3	55	146				
Phenol	2406.333	330	3330	0	72.3	51	122				
Pyrene	3457.333	330	3330	0	104	58	138				

Sample ID: **085047-004AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **6/16/2006** RunNo: **64653**
Client ID: **ZZZZZZ** Batch ID: **28666** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **6/19/2006** SeqNo: **958490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3029.000	330	3330	0	91.0	45	126	2531	17.9	30	
1,4-Dichlorobenzene	2485.333	330	3330	0	74.6	41	110	2004	21.4	30	
2,4-Dinitrotoluene	4113.667	330	3330	0	124	57	139	3521	15.5	30	
2-Chlorophenol	2811.000	330	3330	0	84.4	52	117	2267	21.4	30	
4-Chloro-3-methylphenol	3682.000	660	3330	0	111	63	135	3161	15.2	30	
4-Nitrophenol	3720.000	1600	3330	0	112	48	137	3288	12.3	30	
Acenaphthene	3486.000	330	3330	0	105	59	129	3117	11.2	30	
N-Nitrosodi-n-propylamine	3116.667	330	3330	0	93.6	41	135	2669	15.5	30	
Pentachlorophenol	3774.000	1600	3330	0	113	55	146	3306	13.2	30	
Phenol	2962.667	330	3330	0	89.0	51	122	2406	20.7	30	
Pyrene	4044.667	330	3330	0	121	58	138	3457	15.7	30	

Sample ID: **085047-006ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **6/16/2006** RunNo: **64653**
Client ID: **ZZZZZZ** Batch ID: **28666** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **6/19/2006** SeqNo: **958492**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	30	
1,2-Dichlorobenzene	ND	330						0	0	30	
1,3-Dichlorobenzene	ND	330						0	0	30	
1,4-Dichlorobenzene	ND	330						0	0	30	
2,4,5-Trichlorophenol	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **085047-006ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **6/16/2006** RunNo: **64653**
Client ID: **ZZZZZZ** Batch ID: **28666** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **6/19/2006** SeqNo: **958492**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	ND	330						0	0	30	
2,4-Dichlorophenol	ND	1600						0	0	30	
2,4-Dimethylphenol	ND	330						0	0	30	
2,4-Dinitrophenol	ND	1600						0	0	30	
2,4-Dinitrotoluene	ND	330						0	0	30	
2,6-Dinitrotoluene	ND	330						0	0	30	
2-Chloronaphthalene	ND	330						0	0	30	
2-Chlorophenol	ND	330						0	0	30	
2-Methylnaphthalene	ND	330						0	0	30	
2-Methylphenol	ND	330						0	0	30	
2-Nitroaniline	ND	1600						0	0	30	
2-Nitrophenol	ND	330						0	0	30	
3,3´-Dichlorobenzidine	ND	660						0	0	30	
3-Nitroaniline	ND	1600						0	0	30	
4,6-Dinitro-2-methylphenol	ND	1600						0	0	30	
4-Bromophenyl-phenylether	ND	330						0	0	30	
4-Chloro-3-methylphenol	ND	660						0	0	30	
4-Chloroaniline	ND	660						0	0	30	
4-Chlorophenyl-phenylether	ND	330						0	0	30	
4-Methylphenol	ND	330						0	0	30	
4-Nitroaniline	ND	1600						0	0	30	
4-Nitrophenol	ND	1600						0	0	30	
Acenaphthene	ND	330						0	0	30	
Acenaphthylene	ND	330						0	0	30	
Anthracene	ND	330						0	0	30	
Benzidine (M)	ND	1600						0	0	30	
Benzo(a)anthracene	ND	330						0	0	30	
Benzo(a)pyrene	ND	330						0	0	30	
Benzo(b)fluoranthene	ND	330						0	0	30	
Benzo(g,h,i)perylene	ND	330						0	0	30	
Benzo(k)fluoranthene	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **085047-006ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **6/16/2006** RunNo: **64653**
Client ID: **ZZZZZZ** Batch ID: **28666** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **6/19/2006** SeqNo: **958492**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzoic acid	ND	1600						0	0	30	
Benzyl alcohol	ND	660						0	0	30	
Bis(2-chloroethoxy)methane	ND	330						0	0	30	
Bis(2-chloroethyl)ether	ND	330						0	0	30	
Bis(2-chloroisopropyl)ether	ND	330						0	0	30	
Bis(2-ethylhexyl)phthalate	ND	330						0	0	30	
Butylbenzylphthalate	ND	330						0	0	30	
Chrysene	ND	330						0	0	30	
Di-n-butylphthalate	ND	330						0	0	30	
Di-n-octylphthalate	ND	330						0	0	30	
Dibenz(a,h)anthracene	ND	330						0	0	30	
Dibenzofuran	ND	330						0	0	30	
Diethylphthalate	ND	330						0	0	30	
Dimethylphthalate	ND	330						0	0	30	
Fluoranthene	ND	330						0	0	30	
Fluorene	ND	330						0	0	30	
Hexachlorobenzene	ND	330						0	0	30	
Hexachlorobutadiene	ND	660						0	0	30	
Hexachlorocyclopentadiene	ND	660						0	0	30	
Hexachloroethane	ND	330						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	330						0	0	30	
Isophorone	ND	330						0	0	30	
N-Nitrosodi-n-propylamine	ND	330						0	0	30	
N-Nitrosodiphenylamine	ND	330						0	0	30	
Naphthalene	ND	330						0	0	30	
Nitrobenzene	ND	330						0	0	30	
Pentachlorophenol	ND	1600						0	0	30	
Phenanthrene	ND	330						0	0	30	
Phenol	ND	330						0	0	30	
Pyrene	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085057
Project: Hwy 53- Clear Lake - NOA & ADL, S8875-06-

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **085057-016ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **64634**
Client ID: **HA8-1** Batch ID: **R64634** TestNo: **EPA 9045C** Analysis Date: **6/16/2006** SeqNo: **957834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.200	0.10						6.920	3.97	20	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

FOR LABORATORY USE ONLY

P.O. #:
Logged By: CA Date: 061506

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☑ Other:

Sample Condition Upon Receipt:
1. CHILLED 6.0°C Y ☐ N ☐ 4. SEALED Y ☐ N ☑
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☑ N ☐
3. CONTAINER INTACT Y ☑ N ☐ 6. PRESERVED Y ☐ N ☑

Client: GEOCON CONSULTANTS, Inc.
Attention: James Winslow
Address: 3160 GOLD VALLEY DR, SUITE 800
City: RANCHO CORDOVA State: CA ~~Zip Code:~~ 95742
Tel: 916.852.9118
Fax: 916.852.9132

Project Name: Hwy 53 - Clear Lake - NOA & ADL
Project #: S8875-06-~~02~~ 101
Sampler: (Printed Name) James Winslow (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
James Winslow	6/14/06	1450	FedEx	6/14/06	1450
				061506	1027

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: James Winslow 6/14/06
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments: Need results by Monday

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 CAM 17 (6010 / 7000)

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample ID / Location	Date	Time	8081A	8082	8260B	8270C	6010B	8015B (GRO) / 8020	8015B (DRO)	8021 (BTEX)	TITLE 22 CAM 17	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0657057-001	HA1-0	6/14/06	0900								X		X				E	1	B	P	
	-002	HA1-1		0902								X		X				E	1	B	P	
	-003	HA1-2		0904								X		X				C	1	B	P	
	-004	HA2-0		0915								X	X	X				C	1	B	P	
	-005	HA2-1		0917								X		X				C	1	B	P	
	-006	HA3-0		0925																		
	-007	HA3-0		0942																		
	-008	HA4-1		0945																		
	-009	HA4-2		0948																		
	-010	HA5-0	6/15/06	~~0955~~ 1010																		

QA/QC: RTNE ☐ CT ☑ SWRCB ☐ Logcode ____ OTHER ____

- TAT starts 8AM the following day if samples received after 3 PM

TAT: A = Overnight ≤ 24 hrs; B = Emergency Next Workday; C = Critical 2 Workdays; D = Urgent 3 Workdays; E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

FOR LABORATORY USE ONLY

P.O. #:
Logged By: CN Date: 06/15/06

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☑ Other:

Sample Condition Upon Receipt:
1. CHILLED 6.0°C Y ☑ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐
3. CONTAINER INTACT Y ☑ N ☐
4. SEALED Y ☐ N ☑
5. # OF SPLS MATCH COC Y ☑ N ☐
6. PRESERVED Y ☐ N ☑

Client: GEOCON CONSULTANTS, Inc.
Attention: James Winslow
Address: 3160 GOLD VALLEY DR, SUITE 800
City: RANCHO CORDOVA State: CA Zip Code: 95742
Tel: 916.852.9118
Fax: 916.852.9132

Project Name: Hwy 53 - Clear Lake - NOA & ADL
Project #: S8875-06-~~98~~ 101
Sampler: (Printed Name) James Winslow (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
James Winslow	6/14/06	1450	FedEx	6/14/06	1450
				06/15/06	1007

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
James Winslow 6/14/06
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☑ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SVOC	Total lead (6010)	KH	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	0606057-011	HA5-1	6/14/06	1015								X					X				C	1	B	P	
	-012 (JW)	~~HA6~~ HA6-0		1030								X	X				X				C	1	J	G	
	-013	HA7-0		1048								X					X				C	1	B	P	
	-014	HA7-1		1050								X					X				C	1	B	P	
	-015	HA8-0		1105										X			X				C	1	B	P	
	-016	HA8-1		1108										X	X		X				C	1	B	P	
	-017	HA9-0		1122										X			X				C	1	B	P	
	-018	HA10-0		1130								X		X (JW)			X				C	1	B	P	
	-019	HA10-1		1135								X		X			X				C	1	B	P	
	-020	HA11-0		1158										X			X				C	1	B	P	

- TAT starts 8AM the following day if samples received after 3 PM

TAT: A = Overnight ≤ 24 hrs; B = Emergency Next Workday; C = Critical 2 Workdays; D = Urgent 3 Workdays; E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

GEOCON CONSULTANTS, INC.

FAX

Geotechnical • Environmental • Materials Testing

Date	*June 15, 2006*
Number of pages including cover sheet	*18*

TO:	*Beth* *ATL*
Phone	*562.989.4045*
Fax	*562.989.4040*

FROM:	*James E. Winslow* *Senior Staff Engineer* *Geocon Consultants, Inc.* *3160 Gold Valley Drive, Suite 800* *Rancho Cordova, CA 95742*
Phone	*916.852.9118*
Fax	*916.852.9132*
email	*winslow@geoconinc.com*

CC:

REMARKS: ☐ *Urgent* ☐ *For your review* ☒ *Reply ASAP* ☐ *Please Comment*

Beth:

Per our conversation, here is the correct last page of the chain. Please replace the previous last page 11.

Thank you so much. Please give me a call if you have any questions.

Regards,
James

CHAIN OF CUSTODY RECORD

3 of 3

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

FOR LABORATORY USE ONLY

P.O. #:
Logged By: CA Date: 06/15/06

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☑ Other:

Sample Condition Upon Receipt
1. CHILLED Y ☑ N ☐ 6.0°C
2. HEADSPACE (VOA) Y ☐ N ☐
3. CONTAINER INTACT Y ☑ N ☐
4. SEALED Y ☐ N ☑
5. # OF SPLS MATCH COC Y ☑ N ☐
6. PRESERVED Y ☐ N ☑

Client: GEOCON CONSULTANTS, Inc.
Attention: James Winslow
Address: 3160 GOLD VALLEY DR, SUITE 800
City: RANCHO CORDOVA State: CA Zip Code: 95742
Tel: 916.852.9118
Fax: 916.852.9132

Project Name: Hwy 53 - Clear Lake - NOA & ADL
Project #: S8875-06-~~91~~ 101
Sampler: (Printed Name) James Winslow (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
James Winslow	6/14/06	1500	FedEx	6/14/06	1450
FedEx				06/15/06	1027

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: James Winslow 6/14/06 (Print Name, Date)
Signature

Send Report To: Attn: Co: SAME AS ABOVE Addr: City: State: Zip:

Bill To: Attn: Co: SAME AS ABOVE Addr: City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.
Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested — SPECIFY APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22/CAM 17 (6010 / 7000)	Total Lead (6010)	pH	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0606067-001	HA 12-0	6/14/06	1210								X				X				C	1	BP		
	-002	HA 13-0		1305									X	X		X				C	1	BP		
	-003	HA 14-0		1315									X			X				C	1	BP		
	-004	HA 14-1		1318									X			X				C	1	BP		
	-005	HA 15-0		1326									X			X				C	1	BP		
	-006	HA 15-1		1329									X			X				C	1	BP		
	-007	HA 15-2		1332									X			X				C	1	BP		
	-008	HA 16-0		1340									X			X				C	1	BP		
	-009	HA 17-0		1400									X			X				C	1	BP		
	-010	HA 17-1		1403									X			X				C	1	BP		

QA/QC: RTNE ☐ CT ☑ SWRCB ☐ Logcode ____ OTHER ____

- TAT starts 8AM the following day if samples received after 3 PM

TAT: A = Overnight ≤ 24 hrs; B = Emergency Next Workday; C = Critical 2 Workdays; D = Urgent 3 Workdays; E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

FOR LABORATORY USE ONLY

P.O. #: _____
Logged By: CN Date: 06/15/06

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☑ Other: _____

Sample Condition Upon Receipt:
1. CHILLED Y ☑ N ☐ (Grove)
2. HEADSPACE (VOA) Y ☐ N ☐
3. CONTAINER INTACT Y ☑ N ☐
4. SEALED Y ☐ N ☑
5. # OF SPLS MATCH COC Y ☐ N ☐
6. PRESERVED Y ☐ N ☑

Client: GEOCON CONSULTANTS, Inc.
Attention: James Winslow
Address: 3160 GOLD VALLEY DR, SUITE 800
City: RANCHO CORDOVA State: CA Zip Code: 95742
Tel: 916.852.9118
Fax: 916.852.9132

Project Name: Hwy 53 - Clear Lake - NOA & ADL
Project #: S8875-06-9~~X~~ 101
Sampler: (Printed Name) James Winslow (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
James Winslow	6/14/06	1520	FedEx	6/14/06	1520
				06/15/06	1027

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: James Winslow 6/14/06
Print Name Date
Signature

Send Report To: Attn: _____ Co: SAME AS ABOVE Addr: _____ City: State: Zip:

Bill To: Attn: _____ Co: SAME AS ABOVE Addr: _____ City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☒ SWRCB ☐ Logcode _____ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample ID / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22	CAM 17 (6010 / 7000)	Total Lead (6010)	pH	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	065057-001	HA12-0	6/14/06	1210									X				X				C	1	B P		
	-002	HA13-0		1305										X		X	X				C	1	B P		
	-003	HA14-0		1315										X			X				C	1	B P		
	-004	HA14-1		1318										X			X				C	1	B P		
	-005	HA15-0		1326										X			X				C	1	B P		
	-006	~~HA15~~ HA15-1		1329										X			X				C	1	B P		
	-007	HA15-2		1332										X			X				C	1	B P		
	-008	HA16-0		1340										X			X				C	1	B P		
	-009	HA17-0		1400										X			X				C	1	B P		
		END																							

- TAT starts 8AM the following day if samples received after 3 PM

TAT: A = Overnight ≤ 24 hrs; B = Emergency Next Workday; C = Critical 2 Workdays; D = Urgent 3 Workdays; E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

July 11, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 085079

James Winslow
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

RE: Hwy 53-Clear Lake-NOA & ADL, S8875-06-10

Attention: James Winslow

Enclosed are the results for sample(s) received on June 16, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an amended report. Please disregard all previous documentation that corresponds to the page(s) enclosed.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Consultants, Inc.
Project: Hwy 53-Clear Lake-NOA & ADL, S8875-06-10
Lab Order: 085079

CASE NARRATIVE

Analytical Comments for Method 7420

Dilution was necessary for samples 085079-168A, 085079-181A, 085079-189A, due to sample matrix

RPD for Duplicate (DUP) is outside criteria for sample 085079-073ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories

Date: 7/11/2006

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	085079
Project:	Hwy 53-Clear Lake-NOA & ADL, S8875-06-10	**Date Received**	6/16/2006 9:10:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
085079-008A	B7-0.0	0.62	mg/L	R65377	0.25	1	6/12/2006	7/10/2006
085079-009A	B7-0.75	6.9	mg/L	R65377	0.25	1	6/12/2006	7/10/2006
085079-016A	B10-0.0	8.5	mg/L	R65377	0.25	1	6/12/2006	7/10/2006
085079-019A	B12-0.0	3.9	mg/L	R65377	0.25	1	6/12/2006	7/10/2006
085079-025A	B14-0.0	3.5	mg/L	R65377	0.25	1	6/12/2006	7/10/2006
085079-052A	B24-0.0	4.9	mg/L	R65377	0.25	1	6/12/2006	7/10/2006
085079-064A	B33-0.0	6.4	mg/L	R65377	0.25	1	6/12/2006	7/10/2006
085079-067A	B34-0.0	4.1	mg/L	R65377	0.25	1	6/12/2006	7/10/2006
085079-070A	B37-0.0	2.2	mg/L	R65377	0.25	1	6/12/2006	7/10/2006
085079-073A	B38-0.0	4.8	mg/L	R65377	0.25	1	6/12/2006	7/10/2006
085079-077A	B39-0.75	5.8	mg/L	R65377	0.25	1	6/12/2006	7/10/2006
085079-082A	B41-0.0	1.1	mg/L	R65377	0.25	1	6/12/2006	7/10/2006
085079-100A	B47-0.0	3.5	mg/L	R65377	0.25	1	6/12/2006	7/10/2006
085079-111A	B51-0.0	4.6	mg/L	R65377	0.25	1	6/13/2006	7/10/2006
085079-117A	B53-0.0	4.1	mg/L	R65377	0.25	1	6/13/2006	7/10/2006
085079-144A	B63-0.0	3.3	mg/L	R65377	0.25	1	6/13/2006	7/10/2006
085079-147A	B64-0.0	2.3	mg/L	R65377	0.25	1	6/13/2006	7/10/2006
085079-153A	B66-0.0	3.0	mg/L	R65377	0.25	1	6/13/2006	7/10/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Date: 7/11/2006

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Consultants, Inc.	**Lab Order:**	085079
Project:	Hwy 53-Clear Lake-NOA & ADL, S8875-06-10	**Date Received**	6/16/2006 9:10:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
085079-162A	B69-0.0	5.8	mg/L	R65377	0.25	1	6/13/2006	7/10/2006
085079-168A	B71-0.0	10	mg/L	R65377	0.25	1	6/13/2006	7/10/2006
085079-177A	B76-0.0	5.1	mg/L	R65379	0.25	1	6/13/2006	7/10/2006
085079-181A	B77-0.75	11	mg/L	R65379	0.50	2	6/13/2006	7/10/2006
085079-183A	B78-0.0	5.5	mg/L	R65379	0.25	1	6/13/2006	7/10/2006
085079-189A	B80-0.0	14	mg/L	R65379	0.50	2	6/13/2006	7/10/2006
085079-192A	B81-0.0	6.4	mg/L	R65379	0.25	1	6/13/2006	7/10/2006
085079-195A	B82-0.0	8.8	mg/L	R65379	0.25	1	6/13/2006	7/10/2006
085079-198A	B83-0.0	3.7	mg/L	R65379	0.25	1	6/13/2006	7/10/2006
085079-201A	B84-0.0	8.9	mg/L	R65379	0.25	1	6/13/2006	7/10/2006
085079-204A	B85-0.0	8.0	mg/L	R65379	0.25	1	6/13/2006	7/10/2006
085079-210A	B87-0.0	1.8	mg/L	R65379	0.25	1	6/13/2006	7/10/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT: Geocon Consultants, Inc.
Work Order: 085079
Project: Hwy 53-Clear Lake-NOA & ADL, S8875-06-10

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-28998** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **65377**
Client ID: **PBS** Batch ID: **R65377** TestNo: **WET/ EPA 74** Analysis Date: **7/10/2006** SeqNo: **970809**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-28998A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **65377**
Client ID: **PBS** Batch ID: **R65377** TestNo: **WET/ EPA 74** Analysis Date: **7/10/2006** SeqNo: **970810**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.074	0.25									

Sample ID: **LCS-28998** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **65377**
Client ID: **LCSS** Batch ID: **R65377** TestNo: **WET/ EPA 74** Analysis Date: **7/10/2006** SeqNo: **970811**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.245	0.25	5.000	0	105	80	120				

Sample ID: **085079-073A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **65377**
Client ID: **B38-0.0** Batch ID: **R65377** TestNo: **WET/ EPA 74** Analysis Date: **7/10/2006** SeqNo: **970822**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.351	0.25						4.820	35.9	20	R

Sample ID: **MB-28998B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **65377**
Client ID: **PBS** Batch ID: **R65377** TestNo: **WET/ EPA 74** Analysis Date: **7/10/2006** SeqNo: **970823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

CLIENT: Geocon Consultants, Inc.
Work Order: 085079
Project: Hwy 53-Clear Lake-NOA & ADL, S8875-06-10

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **085079-073AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **65377**
Client ID: **B38-0.0** Batch ID: **R65377** TestNo: **WET/ EPA 74** Analysis Date: **7/10/2006** SeqNo: **970834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.938	0.50	5.000	4.820	102	70	130				

Sample ID: **085079-168A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **65377**
Client ID: **B71-0.0** Batch ID: **R65377** TestNo: **WET/ EPA 74** Analysis Date: **7/10/2006** SeqNo: **970836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.114	0.50						10.11	10.4	20	

Sample ID: **085079-168AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **65377**
Client ID: **B71-0.0** Batch ID: **R65377** TestNo: **WET/ EPA 74** Analysis Date: **7/10/2006** SeqNo: **970837**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.655	0.50	5.000	10.11	111	70	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Geocon Consultants, Inc.
Work Order: 085079
Project: Hwy 53-Clear Lake-NOA & ADL, S8875-06-10

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-28999** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **65379**
Client ID: **PBS** Batch ID: **R65379** TestNo: **WET/ EPA 74** Analysis Date: **7/10/2006** SeqNo: **970839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-28999A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **65379**
Client ID: **PBS** Batch ID: **R65379** TestNo: **WET/ EPA 74** Analysis Date: **7/10/2006** SeqNo: **970840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-28999** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **65379**
Client ID: **LCSS** Batch ID: **R65379** TestNo: **WET/ EPA 74** Analysis Date: **7/10/2006** SeqNo: **970841**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.074	0.25	5.000	0	101	80	120				

Sample ID: **085079-210A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **65379**
Client ID: **B87-0.0** Batch ID: **R65379** TestNo: **WET/ EPA 74** Analysis Date: **7/10/2006** SeqNo: **970850**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.166	0.25						1.846	16.0	20	

Sample ID: **085079-210AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **65379**
Client ID: **B87-0.0** Batch ID: **R65379** TestNo: **WET/ EPA 74** Analysis Date: **7/10/2006** SeqNo: **970851**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.847	0.25	5.000	1.846	100	70	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

From: James Winslow [mailto:winslow@geoconinc.com]
Sent: Wednesday, July 05, 2006 4:35 PM
To: Bing Roura
Subject: RE: Results for ATL WO: 085079

Bing,

Not sure why we did not get sent the preliminary data, but we need WETs run on the data that is over 50 mg/kg as standard. We also need it ASAP as the Caltrans billing cycle ended on the 30th and we need to get the report out the door this week if possible.

Please run the WET on the following. I have 30 samples. Thanks.
B7-0.0
B7-0.75
B10-0.0
B12-0.0
B14-0.0
B24-0.0
B33-0.0
B34-0.0
B37-0.0
B38-0.0
B39-0.75
B41-0.0
B47-0.0
B51-0.0
B53-0.0
B63-0.0
B64-0.0
B66-0.0
B69-0.0
B71-0.0
B76-0.0
B77-0.75
B78-0.0
B80-0.0
B81-0.0
B82-0.0
B83-0.0
B84-0.0
B85-0.0
B87-0.0

Cheers,
James

Site ID	Roadway Segment ID	Borehole ID	Borehole Description	Borehole Latitude	Borehole Longitude	Borehole Depth	BHD Units	Parcel Number	Sample ID	Sample Date	Sample Depth	SD Units	Matrix
IWY 53 Clearlake AD	02-LAK-53	HA2	HAND-AUGER	38.951434186	-122.623450859	1.6	feet		HA2-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA8	HAND-AUGER	38.951215436	-122.622869226	1.5	feet		HA8-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA8	HAND-AUGER	38.951215436	-122.622869226	1.5	feet		HA8-1	6/14/2006	1	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA9	HAND-AUGER	38.950634957	-122.622831826	1	feet		HA9-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA11	HAND-AUGER	38.950578643	-122.624004495	1	feet		HA11-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA13	HAND-AUGER	38.960131225	-122.621908144	1	feet		HA13-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA14	HAND-AUGER	38.960359147	-122.621720375	2	feet		HA14-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA14	HAND-AUGER	38.960359147	-122.621720375	2	feet		HA14-1	6/14/2006	1	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA15	HAND-AUGER	38.960739161	-122.621530291	2.5	feet		HA15-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA15	HAND-AUGER	39.149368255	-121.068189955	2.5	feet		HA15-1	6/14/2006	1	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA15	HAND-AUGER	39.150447133	-121.067791128	2.5	feet		HA15-2	6/14/2006	2	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA16	HAND-AUGER			1	feet		HA16-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA17	HAND-AUGER			1	feet		HA17-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA17	HAND-AUGER			1	feet		HA17-1	6/14/2006	1	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA1	HAND-AUGER	38.951676353	-122.623432353	3	feet		HA1-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA1	HAND-AUGER	38.951676353	-122.623432353	3	feet		HA1-1	6/14/2006	1	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA1	HAND-AUGER	38.951676353	-122.623432353	3	feet		HA1-2	6/14/2006	2	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA2	HAND-AUGER	38.951434186	-122.623450859	1.6	feet		HA2-1	6/14/2006	1	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA3	HAND-AUGER	38.951284535	-122.623401201	0.8	feet		HA3-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA4	HAND-AUGER	38.951275456	-122.623540036	3	feet		HA4-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA4	HAND-AUGER	38.951275456	-122.623540036	3	feet		HA4-1	6/14/2006	1	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA4	HAND-AUGER	38.951275456	-122.623540036	3	feet		HA4-2	6/14/2006	2	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA5	HAND-AUGER	38.951077711	-122.623492207	0.33	feet		HA5-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA5	HAND-AUGER	38.951077711	-122.623492207	0.33	feet		HA5-1	6/14/2006	0.33	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA6	HAND-AUGER	38.951223427	-122.623378275	0.66	feet		HA6-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA7	HAND-AUGER	38.950917382	-122.622843586	1.5	feet		HA7-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA7	HAND-AUGER	38.950917382	-122.622843586	1.5	feet		HA7-1	6/14/2006	1	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA10	HAND-AUGER	38.950439571	-122.622931202	2	feet		HA10-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA10	HAND-AUGER	38.950439571	-122.622931202	2	feet		HA10-1	6/14/2006	1	feet	soil
IWY 53 Clearlake AD	02-LAK-53	HA12	HAND-AUGER	38.950373277	-122.623662968	1	feet		HA12-0	6/14/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B1-0.0	DIRECT-PUSH	39.007056844	-122.612198800	2.5	feet		B1-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B1-0.75	DIRECT-PUSH	39.007056844	-122.612198800	2.5	feet		B1-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B1-1.5	DIRECT-PUSH	39.007056844	-122.612198800	2.5	feet		B1-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B4-0.0	DIRECT-PUSH	39.004418251	-122.605964087	2.5	feet		B4-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B4-0.75	DIRECT-PUSH	39.004418251	-122.605964087	2.5	feet		B4-0.75	6/12/2006	0.75	feet	soil

Site ID	Roadway Segment ID	Borehole ID	Borehole Description	Borehole Latitude	Borehole Longitude	Borehole Depth	BHD Units	Parcel Number	Sample ID	Sample Date	Sample Depth	SD Units	Matrix
IWY 53 Clearlake AD	02-LAK-53	B4-1.5	DIRECT-PUSH	39.004418251	-122.605964087	2.5	feet		B4-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B6-0.0	DIRECT-PUSH	39.001961696	-122.604874003	1.08	feet		B6-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B7-0.0	DIRECT-PUSH	39.000629434	-122.605056184	1.5	feet		B7-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B7-0.75	DIRECT-PUSH	39.000629434	-122.605056184	1.5	feet		B7-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B8-0.0	DIRECT-PUSH	38.999340974	-122.605688377	2.25	feet		B8-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B8-0.75	DIRECT-PUSH	38.999340974	-122.605688377	2.25	feet		B8-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B8-1.5	DIRECT-PUSH	38.999340974	-122.605688377	2.25	feet		B8-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B9-0.0	DIRECT-PUSH	38.998176564	-122.606333410	2.5	feet		B9-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B9-0.75	DIRECT-PUSH	38.998176564	-122.606333410	2.5	feet		B9-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B9-1.5	DIRECT-PUSH	38.998176564	-122.606333410	2.5	feet		B9-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B10-0.0	DIRECT-PUSH	38.996874453	-122.607044264	2.5	feet		B10-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B10-0.75	DIRECT-PUSH	38.996874453	-122.607044264	2.5	feet		B10-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B10-1.5	DIRECT-PUSH	38.996874453	-122.607044264	2.5	feet		B10-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B12-0.0	DIRECT-PUSH	38.994241199	-122.608484506	2.5	feet		B12-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B12-0.75	DIRECT-PUSH	38.994241199	-122.608484506	2.5	feet		B12-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B12-1.5	DIRECT-PUSH	38.994241199	-122.608484506	2.5	feet		B12-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B13-0.0	DIRECT-PUSH	38.993107224	-122.609113856	2.25	feet		B13-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B13-0.75	DIRECT-PUSH	38.993107224	-122.609113856	2.25	feet		B13-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B13-1.5	DIRECT-PUSH	38.993107224	-122.609113856	2.25	feet		B13-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B14-0.0	DIRECT-PUSH	38.991396703	-122.610048986	2.25	feet		B14-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B14-0.75	DIRECT-PUSH	38.991396703	-122.610048986	2.25	feet		B14-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B14-1.5	DIRECT-PUSH	38.991396703	-122.610048986	2.25	feet		B14-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B15-0.0	DIRECT-PUSH	38.990449542	-122.610557570	2.25	feet		B15-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B15-0.75	DIRECT-PUSH	38.990449542	-122.610557570	2.25	feet		B15-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B15-1.5	DIRECT-PUSH	38.990449542	-122.610557570	2.25	feet		B15-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B16-0.0	DIRECT-PUSH	38.988973458	-122.611161141	2.25	feet		B16-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B16-0.75	DIRECT-PUSH	38.988973458	-122.611161141	2.25	feet		B16-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B16-1.5	DIRECT-PUSH	38.988973458	-122.611161141	2.25	feet		B16-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B17-0.0	DIRECT-PUSH	38.987502792	-122.611682189	2.25	feet		B17-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B17-0.75	DIRECT-PUSH	38.987502792	-122.611682189	2.25	feet		B17-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B17-1.5	DIRECT-PUSH	38.987502792	-122.611682189	2.25	feet		B17-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B19-0.0	DIRECT-PUSH	38.985086575	-122.612537386	2.25	feet		B19-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B19-0.75	DIRECT-PUSH	38.985086575	-122.612537386	2.25	feet		B19-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B19-1.5	DIRECT-PUSH	38.985086575	-122.612537386	2.25	feet		B19-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B20-0.0	DIRECT-PUSH	38.984063259	-122.612798946	2.25	feet		B20-0.0	6/12/2006	0	feet	soil

Site ID	Roadway Segment ID	Borehole ID	Borehole Description	Borehole Latitude	Borehole Longitude	Borehole Depth	BHD Units	Parcel Number	Sample ID	Sample Date	Sample Depth	SD Units	Matrix
IWY 53 Clearlake AD	02-LAK-53	B20-0.75	DIRECT-PUSH	38.984063259	-122.612798946	2.25	feet		B20-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B20-1.5	DIRECT-PUSH	38.984063259	-122.612798946	2.25	feet		B20-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B21-0.0	DIRECT-PUSH	38.982716114	-122.612909154	2.25	feet		B21-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B21-0.75	DIRECT-PUSH	38.982716114	-122.612909154	2.25	feet		B21-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B21-1.5	DIRECT-PUSH	38.982716114	-122.612909154	2.25	feet		B21-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B22-0.0	DIRECT-PUSH	38.981159902	-122.612855290	2.25	feet		B22-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B22-0.75	DIRECT-PUSH	38.981159902	-122.612855290	2.25	feet		B22-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B22-1.5	DIRECT-PUSH	38.981159902	-122.612855290	2.25	feet		B22-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B23-0.0	DIRECT-PUSH	38.980014759	-122.612837837	2.25	feet		B23-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B23-0.75	DIRECT-PUSH	38.980014759	-122.612837837	2.25	feet		B23-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B23-1.5	DIRECT-PUSH	38.980014759	-122.612837837	2.25	feet		B23-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B24-0.0	DIRECT-PUSH	38.978568988	-122.612817204	2.25	feet		B24-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B24-0.75	DIRECT-PUSH	38.978568988	-122.612817204	2.25	feet		B24-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B24-1.5	DIRECT-PUSH	38.978568988	-122.612817204	2.25	feet		B24-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B25-0.0	DIRECT-PUSH	38.976997253	-122.612801453	2.25	feet		B25-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B25-0.75	DIRECT-PUSH	38.976997253	-122.612801453	2.25	feet		B25-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B25-1.5	DIRECT-PUSH	38.976997253	-122.612801453	2.25	feet		B25-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B26-0.0	DIRECT-PUSH	38.975836891	-122.612766556	2.25	feet		B26-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B26-0.75	DIRECT-PUSH	38.975836891	-122.612766556	2.25	feet		B26-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B26-1.5	DIRECT-PUSH	38.975836891	-122.612766556	2.25	feet		B26-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B32-0.0	DIRECT-PUSH	38.968803436	-122.614408185	2.25	feet		B32-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B32-0.75	DIRECT-PUSH	38.968803436	-122.614408185	2.25	feet		B32-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B32-1.5	DIRECT-PUSH	38.968803436	-122.614408185	2.25	feet		B32-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B33-0.0	DIRECT-PUSH	38.968144890	-122.615041091	2.25	feet		B33-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B33-0.75	DIRECT-PUSH	38.968144890	-122.615041091	2.25	feet		B33-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B33-1.5	DIRECT-PUSH	38.968144890	-122.615041091	2.25	feet		B33-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B34-0.0	DIRECT-PUSH	38.967007701	-122.616170886	2.25	feet		B34-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B34-0.75	DIRECT-PUSH	38.967007701	-122.616170886	2.25	feet		B34-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B34-1.5	DIRECT-PUSH	38.967007701	-122.616170886	2.25	feet		B34-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B37-0.0	DIRECT-PUSH	38.963767483	-122.619427103	2.25	feet		B37-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B37-0.75	DIRECT-PUSH	38.963767483	-122.619427103	2.25	feet		B37-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B37-1.5	DIRECT-PUSH	38.963767483	-122.619427103	2.25	feet		B37-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B38-0.0	DIRECT-PUSH	38.962492713	-122.620511261	2.25	feet		B38-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B38-0.75	DIRECT-PUSH	38.962492713	-122.620511261	2.25	feet		B38-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B38-1.5	DIRECT-PUSH	38.962492713	-122.620511261	2.25	feet		B38-1.5	6/12/2006	1.5	feet	soil

Site ID	Roadway Segment ID	Borehole ID	Borehole Description	Borehole Latitude	Borehole Longitude	Borehole Depth	BHD Units	Parcel Number	Sample ID	Sample Date	Sample Depth	SD Units	Matrix
IWY 53 Clearlake AD	02-LAK-53	B39-0.0	DIRECT-PUSH	38.961683907	-122.621235511	2.25	feet		B39-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B39-0.75	DIRECT-PUSH	38.961683907	-122.621235511	2.25	feet		B39-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B39-1.5	DIRECT-PUSH	38.961683907	-122.621235511	2.25	feet		B39-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B40-0.0	DIRECT-PUSH	38.960217690	-122.622119668	2.25	feet		B40-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B40-0.75	DIRECT-PUSH	38.960217690	-122.622119668	2.25	feet		B40-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B40-1.5	DIRECT-PUSH	38.960217690	-122.622119668	2.25	feet		B40-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B41-0.0	DIRECT-PUSH	38.958972836	-122.622526498	2.25	feet		B41-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B41-0.75	DIRECT-PUSH	38.958972836	-122.622526498	2.25	feet		B41-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B41-1.5	DIRECT-PUSH	38.958972836	-122.622526498	2.25	feet		B41-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B42-0.0	DIRECT-PUSH	38.957507880	-122.622723482	2.25	feet		B42-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B42-0.75	DIRECT-PUSH	38.957507880	-122.622723482	2.25	feet		B42-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B42-1.5	DIRECT-PUSH	38.957507880	-122.622723482	2.25	feet		B42-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B43-0.0	DIRECT-PUSH	38.955731472	-122.622847654	2.25	feet		B43-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B43-0.75	DIRECT-PUSH	38.955731472	-122.622847654	2.25	feet		B43-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B43-1.5	DIRECT-PUSH	38.955731472	-122.622847654	2.25	feet		B43-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B44-0.0	DIRECT-PUSH	38.954824521	-122.622896396	2.25	feet		B44-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B44-0.75	DIRECT-PUSH	38.954824521	-122.622896396	2.25	feet		B44-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B44-1.5	DIRECT-PUSH	38.954824521	-122.622896396	2.25	feet		B44-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B45-0.0	DIRECT-PUSH	38.953542279	-122.622996812	2.1	feet		B45-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B45-0.75	DIRECT-PUSH	38.953542279	-122.622996812	2.1	feet		B45-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B45-1.5	DIRECT-PUSH	38.953542279	-122.622996812	2.1	feet		B45-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B46-0.0	DIRECT-PUSH	38.952118633	-122.623137991	2.25	feet		B46-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B46-0.75	DIRECT-PUSH	38.952118633	-122.623137991	2.25	feet		B46-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B46-1.5	DIRECT-PUSH	38.952118633	-122.623137991	2.25	feet		B46-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B47-0.0	DIRECT-PUSH	38.952048062	-122.622919193	2.25	feet		B47-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B47-0.75	DIRECT-PUSH	38.952048062	-122.622919193	2.25	feet		B47-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B47-1.5	DIRECT-PUSH	38.952048062	-122.622919193	2.25	feet		B47-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B48-0.0	DIRECT-PUSH	38.952964375	-122.622908072	1.5	feet		B48-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B48-0.75	DIRECT-PUSH	38.952964375	-122.622908072	1.5	feet		B48-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B49-0.0	DIRECT-PUSH	38.954352251	-122.622801258	2.25	feet		B49-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B49-0.75	DIRECT-PUSH	38.954352251	-122.622801258	2.25	feet		B49-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B49-1.5	DIRECT-PUSH	38.954352251	-122.622801258	2.25	feet		B49-1.5	6/12/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B50-0.0	DIRECT-PUSH	38.955807460	-122.622739011	2.25	feet		B50-0.0	6/12/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B50-0.75	DIRECT-PUSH	38.955807460	-122.622739011	2.25	feet		B50-0.75	6/12/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B50-1.5	DIRECT-PUSH	38.955807460	-122.622739011	2.25	feet		B50-1.5	6/12/2006	1.5	feet	soil

Site ID	Roadway Segment ID	Borehole ID	Borehole Description	Borehole Latitude	Borehole Longitude	Borehole Depth	BHD Units	Parcel Number	Sample ID	Sample Date	Sample Depth	SD Units	Matrix
IWY 53 Clearlake AD	02-LAK-53	B51-0.0	DIRECT-PUSH	38.957189071	-122.622625449	2.25	feet		B51-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B51-0.75	DIRECT-PUSH	38.957189071	-122.622625449	2.25	feet		B51-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B51-1.5	DIRECT-PUSH	38.957189071	-122.622625449	2.25	feet		B51-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B52-0.0	DIRECT-PUSH	38.959150808	-122.622366089	2.25	feet		B52-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B52-0.75	DIRECT-PUSH	38.959150808	-122.622366089	2.25	feet		B52-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B52-1.5	DIRECT-PUSH	38.959150808	-122.622366089	2.25	feet		B52-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B53-0.0	DIRECT-PUSH	38.963442194	-122.619447521	2	feet		B53-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B53-0.75	DIRECT-PUSH	38.963442194	-122.619447521	2	feet		B53-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B53-1.5	DIRECT-PUSH	38.963442194	-122.619447521	2	feet		B53-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B54-0.0	DIRECT-PUSH	38.964606367	-122.618358341	2.25	feet		B54-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B54-0.75	DIRECT-PUSH	38.964606367	-122.618358341	2.25	feet		B54-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B54-1.5	DIRECT-PUSH	38.964606367	-122.618358341	2.25	feet		B54-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B56-0.0	DIRECT-PUSH	38.967404746	-122.615613169	2.25	feet		B56-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B56-0.75	DIRECT-PUSH	38.967404746	-122.615613169	2.25	feet		B56-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B56-1.5	DIRECT-PUSH	38.967404746	-122.615613169	2.25	feet		B56-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B57-0.0	DIRECT-PUSH	38.967697194	-122.615272917	2.25	feet		B57-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B57-0.75	DIRECT-PUSH	38.967697194	-122.615272917	2.25	feet		B57-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B57-1.5	DIRECT-PUSH	38.967697194	-122.615272917	2.25	feet		B57-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B58-0.0	DIRECT-PUSH	38.968844389	-122.614201181	2.25	feet		B58-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B58-0.75	DIRECT-PUSH	38.968844389	-122.614201181	2.25	feet		B58-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B58-1.5	DIRECT-PUSH	38.968844389	-122.614201181	2.25	feet		B58-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B59-0.0	DIRECT-PUSH	38.969960982	-122.613379316	2.25	feet		B59-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B59-0.75	DIRECT-PUSH	38.969960982	-122.613379316	2.25	feet		B59-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B59-1.5	DIRECT-PUSH	38.969960982	-122.613379316	2.25	feet		B59-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B60-0.0	DIRECT-PUSH	38.971328198	-122.612776162	2.25	feet		B60-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B60-0.75	DIRECT-PUSH	38.971328198	-122.612776162	2.25	feet		B60-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B60-1.5	DIRECT-PUSH	38.971328198	-122.612776162	2.25	feet		B60-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B61-0.0	DIRECT-PUSH	38.972614269	-122.612568104	2.25	feet		B61-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B61-0.75	DIRECT-PUSH	38.972614269	-122.612568104	2.25	feet		B61-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B61-1.5	DIRECT-PUSH	38.972614269	-122.612568104	2.25	feet		B61-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B62-0.0	DIRECT-PUSH	38.973983331	-122.612598122	2.25	feet		B62-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B62-0.75	DIRECT-PUSH	38.973983331	-122.612598122	2.25	feet		B62-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B62-1.5	DIRECT-PUSH	38.973983331	-122.612598122	2.25	feet		B62-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B63-0.0	DIRECT-PUSH	38.975420351	-122.612628130	2.25	feet		B63-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B63-0.75	DIRECT-PUSH	38.975420351	-122.612628130	2.25	feet		B63-0.75	6/13/2006	0.75	feet	soil

Site ID	Roadway Segment ID	Borehole ID	Borehole Description	Borehole Latitude	Borehole Longitude	Borehole Depth	BHD Units	Parcel Number	Sample ID	Sample Date	Sample Depth	SD Units	Matrix
IWY 53 Clearlake AD	02-LAK-53	B63-1.5	DIRECT-PUSH	38.975420351	-122.612628130	2.25	feet		B63-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B64-0.0	DIRECT-PUSH	38.976740029	-122.612613104	2.25	feet		B64-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B64-0.75	DIRECT-PUSH	38.976740029	-122.612613104	2.25	feet		B64-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B64-1.5	DIRECT-PUSH	38.976740029	-122.612613104	2.25	feet		B64-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B65-0.0	DIRECT-PUSH	38.978050551	-122.612644709	2.25	feet		B65-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B65-0.75	DIRECT-PUSH	38.978050551	-122.612644709	2.25	feet		B65-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B65-1.5	DIRECT-PUSH	38.978050551	-122.612644709	2.25	feet		B65-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B66-0.0	DIRECT-PUSH	38.979431840	-122.612710031	2.25	feet		B66-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B66-0.75	DIRECT-PUSH	38.979431840	-122.612710031	2.25	feet		B66-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B66-1.5	DIRECT-PUSH	38.979431840	-122.612710031	2.25	feet		B66-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B67-0.0	DIRECT-PUSH	38.980848606	-122.612753130	2.25	feet		B67-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B67-0.75	DIRECT-PUSH	38.980848606	-122.612753130	2.25	feet		B67-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B67-1.5	DIRECT-PUSH	38.980848606	-122.612753130	2.25	feet		B67-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B68-0.0	DIRECT-PUSH	38.982191309	-122.612771571	2.25	feet		B68-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B68-0.75	DIRECT-PUSH	38.982191309	-122.612771571	2.25	feet		B68-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B68-1.5	DIRECT-PUSH	38.982191309	-122.612771571	2.25	feet		B68-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B69-0.0	DIRECT-PUSH	38.983434650	-122.612761520	2.25	feet		B69-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B69-0.75	DIRECT-PUSH	38.983434650	-122.612761520	2.25	feet		B69-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B69-1.5	DIRECT-PUSH	38.983434650	-122.612761520	2.25	feet		B69-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B70-0.0	DIRECT-PUSH	38.984801246	-122.612520809	2.25	feet		B70-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B70-0.75	DIRECT-PUSH	38.984801246	-122.612520809	2.25	feet		B70-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B70-1.5	DIRECT-PUSH	38.984801246	-122.612520809	2.25	feet		B70-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B71-0.0	DIRECT-PUSH	38.986469724	-122.611915599	2.25	feet		B71-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B71-0.75	DIRECT-PUSH	38.986469724	-122.611915599	2.25	feet		B71-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B71-1.5	DIRECT-PUSH	38.986469724	-122.611915599	2.25	feet		B71-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B74-0.0	DIRECT-PUSH	38.990607435	-122.610300536	2.25	feet		B74-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B74-0.75	DIRECT-PUSH	38.990607435	-122.610300536	2.25	feet		B74-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B74-1.5	DIRECT-PUSH	38.990607435	-122.610300536	2.25	feet		B74-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B75-0.0	DIRECT-PUSH	38.991819872	-122.609684864	2.25	feet		B75-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B75-0.75	DIRECT-PUSH	38.991819872	-122.609684864	2.25	feet		B75-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B75-1.5	DIRECT-PUSH	38.991819872	-122.609684864	2.25	feet		B75-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B76-0.0	DIRECT-PUSH	38.992727401	-122.609180238	2.25	feet		B76-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B76-0.75	DIRECT-PUSH	38.992727401	-122.609180238	2.25	feet		B76-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B76-1.5	DIRECT-PUSH	38.992727401	-122.609180238	2.25	feet		B76-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B77-0.0	DIRECT-PUSH	38.994208507	-122.608331087	2.25	feet		B77-0.0	6/13/2006	0	feet	soil

Site ID	Roadway Segment ID	Borehole ID	Borehole Description	Borehole Latitude	Borehole Longitude	Borehole Depth	BHD Units	Parcel Number	Sample ID	Sample Date	Sample Depth	SD Units	Matrix
IWY 53 Clearlake AD	02-LAK-53	B77-0.75	DIRECT-PUSH	38.994208507	-122.608331087	2.25	feet		B77-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B77-1.5	DIRECT-PUSH	38.994208507	-122.608331087	2.25	feet		B77-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B78-0.0	DIRECT-PUSH	38.995229952	-122.607825276	2.25	feet		B78-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B78-0.75	DIRECT-PUSH	38.995229952	-122.607825276	2.25	feet		B78-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B78-1.5	DIRECT-PUSH	38.995229952	-122.607825276	2.25	feet		B78-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B79-0.0	DIRECT-PUSH	38.996447860	-122.607151803	2.25	feet		B79-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B79-0.75	DIRECT-PUSH	38.996447860	-122.607151803	2.25	feet		B79-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B79-1.5	DIRECT-PUSH	38.996447860	-122.607151803	2.25	feet		B79-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B80-0.0	DIRECT-PUSH	38.997583078	-122.606526501	2	feet		B80-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B80-0.75	DIRECT-PUSH	38.997583078	-122.606526501	2	feet		B80-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B80-1.5	DIRECT-PUSH	38.997583078	-122.606526501	2	feet		B80-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B81-0.0	DIRECT-PUSH	38.998881694	-122.605810260	2	feet		B81-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B81-0.75	DIRECT-PUSH	38.998881694	-122.605810260	2	feet		B81-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B81-1.5	DIRECT-PUSH	38.998881694	-122.605810260	2	feet		B81-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B82-0.0	DIRECT-PUSH	39.000209661	-122.605095911	1.58	feet		B82-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B82-0.75	DIRECT-PUSH	39.000209661	-122.605095911	1.58	feet		B82-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B82-1.5	DIRECT-PUSH	39.000209661	-122.605095911	1.58	feet		B82-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B83-0.0	DIRECT-PUSH	39.001442417	-122.604749277	2.25	feet		B83-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B83-0.75	DIRECT-PUSH	39.001442417	-122.604749277	2.25	feet		B83-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B83-1.5	DIRECT-PUSH	39.001442417	-122.604749277	2.25	feet		B83-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B84-0.0	DIRECT-PUSH	39.002868475	-122.604913300	2.25	feet		B84-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B84-0.75	DIRECT-PUSH	39.002868475	-122.604913300	2.25	feet		B84-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B84-1.5	DIRECT-PUSH	39.002868475	-122.604913300	2.25	feet		B84-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B85-0.0	DIRECT-PUSH	39.004123732	-122.605560931	2.25	feet		B85-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B85-0.75	DIRECT-PUSH	39.004123732	-122.605560931	2.25	feet		B85-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B85-1.5	DIRECT-PUSH	39.004123732	-122.605560931	2.25	feet		B85-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B86-0.0	DIRECT-PUSH	39.005150463	-122.606591218	2.25	feet		B86-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B86-0.75	DIRECT-PUSH	39.005150463	-122.606591218	2.25	feet		B86-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B86-1.5	DIRECT-PUSH	39.005150463	-122.606591218	2.25	feet		B86-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B87-0.0	DIRECT-PUSH	39.005993687	-122.608140807	2.25	feet		B87-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B87-0.75	DIRECT-PUSH	39.005993687	-122.608140807	2.25	feet		B87-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B87-1.5	DIRECT-PUSH	39.005993687	-122.608140807	2.25	feet		B87-1.5	6/13/2006	1.5	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B88-0.0	DIRECT-PUSH	39.006459990	-122.609600486	2.25	feet		B88-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B88-0.75	DIRECT-PUSH	39.006459990	-122.609600486	2.25	feet		B88-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B88-1.5	DIRECT-PUSH	39.006459990	-122.609600486	2.25	feet		B88-1.5	6/13/2006	1.5	feet	soil

Site ID	Roadway Segment ID	Borehole ID	Borehole Description	Borehole Latitude	Borehole Longitude	Borehole Depth	BHD Units	Parcel Number	Sample ID	Sample Date	Sample Depth	SD Units	Matrix
IWY 53 Clearlake AD	02-LAK-53	B89-0.0	DIRECT-PUSH	39.007059402	-122.611572304	2.25	feet		B89-0.0	6/13/2006	0	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B89-0.75	DIRECT-PUSH	39.007059402	-122.611572304	2.25	feet		B89-0.75	6/13/2006	0.75	feet	soil
IWY 53 Clearlake AD	02-LAK-53	B89-1.5	DIRECT-PUSH	39.007059402	-122.611572304	2.25	feet		B89-1.5	6/13/2006	1.5	feet	soil

Site ID	Contractor Borehole ID	Sample ID	Analysis	Lab Analysis ID	Matrix	Analysis Date	Lab Name	Result Units	Analyte	Values	Method Detection Limit
Hwy 53	B1	B1-0.0	Total	085079-001A	Soil	6/21/2006	ATL	mg/Kg	Lead	5.1	5.0
Hwy 53	B1	B1-0.75	Total	085079-002A	Soil	6/21/2006	ATL	mg/Kg	Lead	11	5.0
Hwy 53	B10	B10-0.0	Total	085079-016A	Soil	6/21/2006	ATL	mg/Kg	Lead	210	5.0
Hwy 53	B10	B10-0.75	Total	085079-017A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B10	B10-1.5	Total	085079-018A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B1	B1-1.5	Total	085079-003A	Soil	6/21/2006	ATL	mg/Kg	Lead	7.8	5.0
Hwy 53	B12	B12-0.0	Total	085079-019A	Soil	6/21/2006	ATL	mg/Kg	Lead	59	5.0
Hwy 53	B12	B12-0.75	Total	085079-020A	Soil	6/21/2006	ATL	mg/Kg	Lead	5.2	5.0
Hwy 53	B12	B12-1.5	Total	085079-021A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B13	B13-0.0	Total	085079-022A	Soil	6/21/2006	ATL	mg/Kg	Lead	19	5.0
Hwy 53	B13	B13-0.75	Total	085079-023A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B13	B13-1.5	Total	085079-024A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B14	B14-0.0	Total	085079-025A	Soil	6/21/2006	ATL	mg/Kg	Lead	53	5.0
Hwy 53	B14	B14-0.75	Total	085079-026A	Soil	6/21/2006	ATL	mg/Kg	Lead	7.0	5.0
Hwy 53	B14	B14-1.5	Total	085079-027A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B15	B15-0.0	Total	085079-028A	Soil	6/21/2006	ATL	mg/Kg	Lead	45	5.0
Hwy 53	B15	B15-0.75	Total	085079-029A	Soil	6/21/2006	ATL	mg/Kg	Lead	12	5.0
Hwy 53	B15	B15-1.5	Total	085079-030A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B16	B16-0.0	Total	085079-031A	Soil	6/21/2006	ATL	mg/Kg	Lead	13	5.0
Hwy 53	B16	B16-0.75	Total	085079-032A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B16	B16-1.5	Total	085079-033A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B17	B17-0.0	Total	085079-034A	Soil	6/21/2006	ATL	mg/Kg	Lead	22	5.0
Hwy 53	B17	B17-0.75	Total	085079-035A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B17	B17-1.5	Total	085079-036A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B19	B19-0.0	Total	085079-037A	Soil	6/21/2006	ATL	mg/Kg	Lead	19	5.0
Hwy 53	B19	B19-0.75	Total	085079-038A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B19	B19-1.5	Total	085079-039A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B20	B20-0.0	Total	085079-040A	Soil	6/21/2006	ATL	mg/Kg	Lead	11	5.0
Hwy 53	B20	B20-0.75	Total	085079-041A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B20	B20-1.5	Total	085079-042A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B21	B21-0.0	Total	085079-043A	Soil	6/21/2006	ATL	mg/Kg	Lead	11	5.0
Hwy 53	B21	B21-0.75	Total	085079-044A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B21	B21-1.5	Total	085079-045A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B22	B22-0.0	Total	085079-046A	Soil	6/21/2006	ATL	mg/Kg	Lead	6.8	5.0
Hwy 53	B22	B22-0.75	Total	085079-047A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B22	B22-1.5	Total	085079-048A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B23	B23-0.0	Total	085079-049A	Soil	6/21/2006	ATL	mg/Kg	Lead	11	5.0
Hwy 53	B23	B23-0.75	Total	085079-050A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B23	B23-1.5	Total	085079-051A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0

Site ID	Contractor Borehole ID	Sample ID	Analysis	Lab Analysis ID	Matrix	Analysis Date	Lab Name	Result Units	Analyte	Values	Method Detection Limit
Hwy 53	B24	B24-0.0	Total	085079-052A	Soil	6/21/2006	ATL	mg/Kg	Lead	76	5.0
Hwy 53	B24	B24-0.75	Total	085079-053A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B24	B24-1.5	Total	085079-054A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B25	B25-0.0	Total	085079-055A	Soil	6/21/2006	ATL	mg/Kg	Lead	16	5.0
Hwy 53	B25	B25-0.75	Total	085079-056A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B25	B25-1.5	Total	085079-057A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B26	B26-0.0	Total	085079-058A	Soil	6/21/2006	ATL	mg/Kg	Lead	49	5.0
Hwy 53	B26	B26-0.75	Total	085079-059A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B26	B26-1.5	Total	085079-060A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B32	B32-0.0	Total	085079-061A	Soil	6/22/2006	ATL	mg/Kg	Lead	38	5.0
Hwy 53	B32	B32-0.75	Total	085079-062A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B32	B32-1.5	Total	085079-063A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B33	B33-0.0	Total	085079-064A	Soil	6/22/2006	ATL	mg/Kg	Lead	61	5.0
Hwy 53	B33	B33-0.75	Total	085079-065A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B33	B33-1.5	Total	085079-066A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B34	B34-0.0	Total	085079-067A	Soil	6/22/2006	ATL	mg/Kg	Lead	78	5.0
Hwy 53	B34	B34-0.75	Total	085079-068A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B34	B34-1.5	Total	085079-069A	Soil	6/22/2006	ATL	mg/Kg	Lead	6.1	5.0
Hwy 53	B37	B37-0.0	Total	085079-070A	Soil	6/22/2006	ATL	mg/Kg	Lead	67	5.0
Hwy 53	B37	B37-0.75	Total	085079-071A	Soil	6/22/2006	ATL	mg/Kg	Lead	28	5.0
Hwy 53	B37	B37-1.5	Total	085079-072A	Soil	6/22/2006	ATL	mg/Kg	Lead	7.3	5.0
Hwy 53	B38	B38-0.0	Total	085079-073A	Soil	6/22/2006	ATL	mg/Kg	Lead	57	5.0
Hwy 53	B38	B38-0.75	Total	085079-074A	Soil	6/22/2006	ATL	mg/Kg	Lead	12	5.0
Hwy 53	B38	B38-1.5	Total	085079-075A	Soil	6/22/2006	ATL	mg/Kg	Lead	5.9	5.0
Hwy 53	B39	B39-0.0	Total	085079-076A	Soil	6/22/2006	ATL	mg/Kg	Lead	33	5.0
Hwy 53	B39	B39-0.75	Total	085079-077A	Soil	6/22/2006	ATL	mg/Kg	Lead	100	5.0
Hwy 53	B39	B39-1.5	Total	085079-078A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B4	B4-0.0	Total	085079-004A	Soil	6/21/2006	ATL	mg/Kg	Lead	17	5.0
Hwy 53	B4	B4-0.75	Total	085079-005A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B40	B40-0.0	Total	085079-079A	Soil	6/22/2006	ATL	mg/Kg	Lead	46	5.0
Hwy 53	B40	B40-0.75	Total	085079-080A	Soil	6/22/2006	ATL	mg/Kg	Lead	21	5.0
Hwy 53	B40	B40-1.5	Total	085079-081A	Soil	6/22/2006	ATL	mg/Kg	Lead	27	5.0
Hwy 53	B4	B4-1.5	Total	085079-006A	Soil	6/21/2006	ATL	mg/Kg	Lead	6.7	5.0
Hwy 53	B41	B41-0.0	Total	085079-082A	Soil	6/22/2006	ATL	mg/Kg	Lead	71	5.0
Hwy 53	B41	B41-0.75	Total	085079-083A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B41	B41-1.5	Total	085079-084A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B42	B42-0.0	Total	085079-085A	Soil	6/22/2006	ATL	mg/Kg	Lead	12	5.0
Hwy 53	B42	B42-0.75	Total	085079-086A	Soil	6/22/2006	ATL	mg/Kg	Lead	5.1	5.0
Hwy 53	B42	B42-1.5	Total	085079-087A	Soil	6/22/2006	ATL	mg/Kg	Lead	5.2	5.0

Site ID	Contractor Borehole ID	Sample ID	Analysis	Lab Analysis ID	Matrix	Analysis Date	Lab Name	Result Units	Analyte	Values	Method Detection Limit
Hwy 53	B43	B43-0.0	Total	085079-088A	Soil	6/22/2006	ATL	mg/Kg	Lead	47	5.0
Hwy 53	B43	B43-0.75	Total	085079-089A	Soil	6/22/2006	ATL	mg/Kg	Lead	15	5.0
Hwy 53	B43	B43-1.5	Total	085079-090A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B44	B44-0.0	Total	085079-091A	Soil	6/22/2006	ATL	mg/Kg	Lead	6.1	5.0
Hwy 53	B44	B44-0.75	Total	085079-092A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B44	B44-1.5	Total	085079-093A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B45	B45-0.0	Total	085079-094A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B45	B45-0.75	Total	085079-095A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B45	B45-1.5	Total	085079-096A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B46	B46-0.0	Total	085079-097A	Soil	6/22/2006	ATL	mg/Kg	Lead	15	5.0
Hwy 53	B46	B46-0.75	Total	085079-098A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B46	B46-1.5	Total	085079-099A	Soil	6/22/2006	ATL	mg/Kg	Lead	12	5.0
Hwy 53	B47	B47-0.0	Total	085079-100A	Soil	6/22/2006	ATL	mg/Kg	Lead	54	5.0
Hwy 53	B47	B47-0.75	Total	085079-101A	Soil	6/22/2006	ATL	mg/Kg	Lead	9.2	5.0
Hwy 53	B47	B47-1.5	Total	085079-102A	Soil	6/22/2006	ATL	mg/Kg	Lead	6.0	5.0
Hwy 53	B48	B48-0.0	Total	085079-103A	Soil	6/22/2006	ATL	mg/Kg	Lead	45	5.0
Hwy 53	B48	B48-0.75	Total	085079-104A	Soil	6/22/2006	ATL	mg/Kg	Lead	18	5.0
Hwy 53	B49	B49-0.0	Total	085079-105A	Soil	6/22/2006	ATL	mg/Kg	Lead	8.0	5.0
Hwy 53	B49	B49-0.75	Total	085079-106A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B49	B49-1.5	Total	085079-107A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B50	B50-0.0	Total	085079-108A	Soil	6/22/2006	ATL	mg/Kg	Lead	48	5.0
Hwy 53	B50	B50-0.75	Total	085079-109A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B50	B50-1.5	Total	085079-110A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B51	B51-0.0	Total	085079-111A	Soil	6/22/2006	ATL	mg/Kg	Lead	71	5.0
Hwy 53	B51	B51-0.75	Total	085079-112A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B51	B51-1.5	Total	085079-113A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B52	B52-0.0	Total	085079-114A	Soil	6/22/2006	ATL	mg/Kg	Lead	10	5.0
Hwy 53	B52	B52-0.75	Total	085079-115A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B52	B52-1.5	Total	085079-116A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B53	B53-0.0	Total	085079-117A	Soil	6/22/2006	ATL	mg/Kg	Lead	74	5.0
Hwy 53	B53	B53-0.75	Total	085079-118A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B53	B53-1.5	Total	085079-119A	Soil	6/22/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B54	B54-0.0	Total	085079-120A	Soil	6/22/2006	ATL	mg/Kg	Lead	23	5.0
Hwy 53	B54	B54-0.75	Total	085079-121A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B54	B54-1.5	Total	085079-122A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B56	B56-0.0	Total	085079-123A	Soil	6/23/2006	ATL	mg/Kg	Lead	17	5.0
Hwy 53	B56	B56-0.75	Total	085079-124A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B56	B56-1.5	Total	085079-125A	Soil	6/23/2006	ATL	mg/Kg	Lead	8.2	5.0
Hwy 53	B57	B57-0.0	Total	085079-126A	Soil	6/23/2006	ATL	mg/Kg	Lead	43	5.0

Site ID	Contractor Borehole ID	Sample ID	Analysis	Lab Analysis ID	Matrix	Analysis Date	Lab Name	Result Units	Analyte	Values	Method Detection Limit
Hwy 53	B57	B57-0.75	Total	085079-127A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B57	B57-1.5	Total	085079-128A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B58	B58-0.0	Total	085079-129A	Soil	6/23/2006	ATL	mg/Kg	Lead	18	5.0
Hwy 53	B58	B58-0.75	Total	085079-130A	Soil	6/23/2006	ATL	mg/Kg	Lead	27	5.0
Hwy 53	B58	B58-1.5	Total	085079-131A	Soil	6/23/2006	ATL	mg/Kg	Lead	7.7	5.0
Hwy 53	B59	B59-0.0	Total	085079-132A	Soil	6/23/2006	ATL	mg/Kg	Lead	18	5.0
Hwy 53	B59	B59-0.75	Total	085079-133A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B59	B59-1.5	Total	085079-134A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B6	B6-0.0	Total	085079-007A	Soil	6/21/2006	ATL	mg/Kg	Lead	12	5.0
Hwy 53	B60	B60-0.0	Total	085079-135A	Soil	6/23/2006	ATL	mg/Kg	Lead	26	5.0
Hwy 53	B60	B60-0.75	Total	085079-136A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B60	B60-1.5	Total	085079-137A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B61	B61-0.0	Total	085079-138A	Soil	6/23/2006	ATL	mg/Kg	Lead	19	5.0
Hwy 53	B61	B61-0.75	Total	085079-139A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B61	B61-1.5	Total	085079-140A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B62	B62-0.0	Total	085079-141A	Soil	6/23/2006	ATL	mg/Kg	Lead	11	5.0
Hwy 53	B62	B62-0.75	Total	085079-142A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B62	B62-1.5	Total	085079-143A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B63	B63-0.0	Total	085079-144A	Soil	6/23/2006	ATL	mg/Kg	Lead	78	5.0
Hwy 53	B63	B63-0.75	Total	085079-145A	Soil	6/23/2006	ATL	mg/Kg	Lead	5.6	5.0
Hwy 53	B63	B63-1.5	Total	085079-146A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B64	B64-0.0	Total	085079-147A	Soil	6/23/2006	ATL	mg/Kg	Lead	67	5.0
Hwy 53	B64	B64-0.75	Total	085079-148A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B64	B64-1.5	Total	085079-149A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B65	B65-0.0	Total	085079-150A	Soil	6/23/2006	ATL	mg/Kg	Lead	6.1	5.0
Hwy 53	B65	B65-0.75	Total	085079-151A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B65	B65-1.5	Total	085079-152A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B66	B66-0.0	Total	085079-153A	Soil	6/23/2006	ATL	mg/Kg	Lead	63	5.0
Hwy 53	B66	B66-0.75	Total	085079-154A	Soil	6/23/2006	ATL	mg/Kg	Lead	5.1	5.0
Hwy 53	B66	B66-1.5	Total	085079-155A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B67	B67-0.0	Total	085079-156A	Soil	6/23/2006	ATL	mg/Kg	Lead	12	5.0
Hwy 53	B67	B67-0.75	Total	085079-157A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B67	B67-1.5	Total	085079-158A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B68	B68-0.0	Total	085079-159A	Soil	6/23/2006	ATL	mg/Kg	Lead	45	5.0
Hwy 53	B68	B68-0.75	Total	085079-160A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B68	B68-1.5	Total	085079-161A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B69	B69-0.0	Total	085079-162A	Soil	6/23/2006	ATL	mg/Kg	Lead	210	5.0
Hwy 53	B69	B69-0.75	Total	085079-163A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B69	B69-1.5	Total	085079-164A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0

Site ID	Contractor Borehole ID	Sample ID	Analysis	Lab Analysis ID	Matrix	Analysis Date	Lab Name	Result Units	Analyte	Values	Method Detection Limit
Hwy 53	B7	B7-0.0	Total	085079-008A	Soil	6/21/2006	ATL	mg/Kg	Lead	69	5.0
Hwy 53	B7	B7-0.75	Total	085079-009A	Soil	6/21/2006	ATL	mg/Kg	Lead	120	5.0
Hwy 53	B70	B70-0.0	Total	085079-165A	Soil	6/23/2006	ATL	mg/Kg	Lead	28	5.0
Hwy 53	B70	B70-0.75	Total	085079-166A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B70	B70-1.5	Total	085079-167A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B71	B71-0.0	Total	085079-168A	Soil	6/23/2006	ATL	mg/Kg	Lead	110	5.0
Hwy 53	B71	B71-0.75	Total	085079-169A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B71	B71-1.5	Total	085079-170A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B74	B74-0.0	Total	085079-171A	Soil	6/23/2006	ATL	mg/Kg	Lead	16	5.0
Hwy 53	B74	B74-0.75	Total	085079-172A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B74	B74-1.5	Total	085079-173A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B75	B75-0.0	Total	085079-174A	Soil	6/23/2006	ATL	mg/Kg	Lead	28	5.0
Hwy 53	B75	B75-0.75	Total	085079-175A	Soil	6/23/2006	ATL	mg/Kg	Lead	5.0	5.0
Hwy 53	B75	B75-1.5	Total	085079-176A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B76	B76-0.0	Total	085079-177A	Soil	6/23/2006	ATL	mg/Kg	Lead	62	5.0
Hwy 53	B76	B76-0.75	Total	085079-178A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B76	B76-1.5	Total	085079-179A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B77	B77-0.0	Total	085079-180A	Soil	6/23/2006	ATL	mg/Kg	Lead	19	5.0
Hwy 53	B77	B77-0.75	Total	085079-181A	Soil	6/23/2006	ATL	mg/Kg	Lead	160	5.0
Hwy 53	B77	B77-1.5	Total	085079-182A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B78	B78-0.0	Total	085079-183A	Soil	6/23/2006	ATL	mg/Kg	Lead	110	5.0
Hwy 53	B78	B78-0.75	Total	085079-184A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B78	B78-1.5	Total	085079-185A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B79	B79-0.0	Total	085079-186A	Soil	6/23/2006	ATL	mg/Kg	Lead	40	5.0
Hwy 53	B79	B79-0.75	Total	085079-187A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B79	B79-1.5	Total	085079-188A	Soil	6/23/2006	ATL	mg/Kg	Lead	5.3	5.0
Hwy 53	B8	B8-0.0	Total	085079-010A	Soil	6/21/2006	ATL	mg/Kg	Lead	14	5.0
Hwy 53	B8	B8-0.75	Total	085079-011A	Soil	6/21/2006	ATL	mg/Kg	Lead	43	5.0
Hwy 53	B80	B80-0.0	Total	085079-189A	Soil	6/23/2006	ATL	mg/Kg	Lead	190	5.0
Hwy 53	B80	B80-0.75	Total	085079-190A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B80	B80-1.5	Total	085079-191A	Soil	6/23/2006	ATL	mg/Kg	Lead	13	5.0
Hwy 53	B8	B8-1.5	Total	085079-012A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B81	B81-0.0	Total	085079-192A	Soil	6/23/2006	ATL	mg/Kg	Lead	110	5.0
Hwy 53	B81	B81-0.75	Total	085079-193A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B81	B81-1.5	Total	085079-194A	Soil	6/23/2006	ATL	mg/Kg	Lead	5.6	5.0
Hwy 53	B82	B82-0.0	Total	085079-195A	Soil	6/23/2006	ATL	mg/Kg	Lead	120	5.0
Hwy 53	B82	B82-0.75	Total	085079-196A	Soil	6/23/2006	ATL	mg/Kg	Lead	6.0	5.0
Hwy 53	B82	B82-1.5	Total	085079-197A	Soil	6/23/2006	ATL	mg/Kg	Lead	5.5	5.0
Hwy 53	B83	B83-0.0	Total	085079-198A	Soil	6/23/2006	ATL	mg/Kg	Lead	78	5.0

Site ID	Contractor Borehole ID	Sample ID	Analysis	Lab Analysis ID	Matrix	Analysis Date	Lab Name	Result Units	Analyte	Values	Method Detection Limit
Hwy 53	B83	B83-0.75	Total	085079-199A	Soil	6/23/2006	ATL	mg/Kg	Lead	5.7	5.0
Hwy 53	B83	B83-1.5	Total	085079-200A	Soil	6/23/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B84	B84-0.0	Total	085079-201A	Soil	6/26/2006	ATL	mg/Kg	Lead	130	5.0
Hwy 53	B84	B84-0.75	Total	085079-202A	Soil	6/26/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B84	B84-1.5	Total	085079-203A	Soil	6/26/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B85	B85-0.0	Total	085079-204A	Soil	6/26/2006	ATL	mg/Kg	Lead	110	5.0
Hwy 53	B85	B85-0.75	Total	085079-205A	Soil	6/26/2006	ATL	mg/Kg	Lead	5.5	5.0
Hwy 53	B85	B85-1.5	Total	085079-206A	Soil	6/26/2006	ATL	mg/Kg	Lead	8.5	5.0
Hwy 53	B86	B86-0.0	Total	085079-207A	Soil	6/26/2006	ATL	mg/Kg	Lead	13	5.0
Hwy 53	B86	B86-0.75	Total	085079-208A	Soil	6/26/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B86	B86-1.5	Total	085079-209A	Soil	6/26/2006	ATL	mg/Kg	Lead	5.4	5.0
Hwy 53	B87	B87-0.0	Total	085079-210A	Soil	6/26/2006	ATL	mg/Kg	Lead	78	5.0
Hwy 53	B87	B87-0.75	Total	085079-211A	Soil	6/26/2006	ATL	mg/Kg	Lead	49	5.0
Hwy 53	B87	B87-1.5	Total	085079-212A	Soil	6/26/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B88	B88-0.0	Total	085079-213A	Soil	6/26/2006	ATL	mg/Kg	Lead	20	5.0
Hwy 53	B88	B88-0.75	Total	085079-214A	Soil	6/26/2006	ATL	mg/Kg	Lead	20	5.0
Hwy 53	B88	B88-1.5	Total	085079-215A	Soil	6/26/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B89	B89-0.0	Total	085079-216A	Soil	6/26/2006	ATL	mg/Kg	Lead	35	5.0
Hwy 53	B89	B89-0.75	Total	085079-217A	Soil	6/26/2006	ATL	mg/Kg	Lead	32	5.0
Hwy 53	B89	B89-1.5	Total	085079-218A	Soil	6/26/2006	ATL	mg/Kg	Lead	7.3	5.0
Hwy 53	B9	B9-0.0	Total	085079-013A	Soil	6/21/2006	ATL	mg/Kg	Lead	48	5.0
Hwy 53	B9	B9-0.75	Total	085079-014A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B9	B9-1.5	Total	085079-015A	Soil	6/21/2006	ATL	mg/Kg	Lead	<5.0	5.0
Hwy 53	B10	B10-0.0	WET	085079-016A	Soil	7/10/2006	ATL	mg/l	Lead	8.5	0.25
Hwy 53	B12	B12-0.0	WET	085079-019A	Soil	7/10/2006	ATL	mg/l	Lead	3.9	0.25
Hwy 53	B14	B14-0.0	WET	085079-025A	Soil	7/10/2006	ATL	mg/l	Lead	3.5	0.25
Hwy 53	B24	B24-0.0	WET	085079-052A	Soil	7/10/2006	ATL	mg/l	Lead	4.9	0.25
Hwy 53	B33	B33-0.0	WET	085079-064A	Soil	7/10/2006	ATL	mg/l	Lead	6.4	0.25
Hwy 53	B34	B34-0.0	WET	085079-067A	Soil	7/10/2006	ATL	mg/l	Lead	4.1	0.25
Hwy 53	B37	B37-0.0	WET	085079-070A	Soil	7/10/2006	ATL	mg/l	Lead	2.2	0.25
Hwy 53	B38	B38-0.0	WET	085079-073A	Soil	7/10/2006	ATL	mg/l	Lead	4.8	0.25
Hwy 53	B39	B39-0.75	WET	085079-077A	Soil	7/10/2006	ATL	mg/l	Lead	5.8	0.25
Hwy 53	B41	B41-0.0	WET	085079-082A	Soil	7/10/2006	ATL	mg/l	Lead	1.1	0.25
Hwy 53	B47	B47-0.0	WET	085079-100A	Soil	7/10/2006	ATL	mg/l	Lead	3.5	0.25
Hwy 53	B51	B51-0.0	WET	085079-111A	Soil	7/10/2006	ATL	mg/l	Lead	4.6	0.25
Hwy 53	B53	B53-0.0	WET	085079-117A	Soil	7/10/2006	ATL	mg/l	Lead	4.1	0.25
Hwy 53	B63	B63-0.0	WET	085079-144A	Soil	7/10/2006	ATL	mg/l	Lead	3.3	0.25
Hwy 53	B64	B64-0.0	WET	085079-147A	Soil	7/10/2006	ATL	mg/l	Lead	2.3	0.25

Site ID	Contractor Borehole ID	Sample ID	Analysis	Lab Analysis ID	Matrix	Analysis Date	Lab Name	Result Units	Analyte	Values	Method Detection Limit
Hwy 53	B66	B66-0.0	WET	085079-153A	Soil	7/10/2006	ATL	mg/l	Lead	3.0	0.25
Hwy 53	B69	B69-0.0	WET	085079-162A	Soil	7/10/2006	ATL	mg/l	Lead	5.8	0.25
Hwy 53	B7	B7-0.0	WET	085079-008A	Soil	7/10/2006	ATL	mg/l	Lead	0.62	0.25
Hwy 53	B7	B7-0.75	WET	085079-009A	Soil	7/10/2006	ATL	mg/l	Lead	6.9	0.25
Hwy 53	B71	B71-0.0	WET	085079-168A	Soil	7/10/2006	ATL	mg/l	Lead	10	0.25
Hwy 53	B76	B76-0.0	WET	085079-177A	Soil	7/10/2006	ATL	mg/l	Lead	5.1	0.25
Hwy 53	B77	B77-0.75	WET	085079-181A	Soil	7/10/2006	ATL	mg/l	Lead	11	0.50
Hwy 53	B78	B78-0.0	WET	085079-183A	Soil	7/10/2006	ATL	mg/l	Lead	5.5	0.25
Hwy 53	B80	B80-0.0	WET	085079-189A	Soil	7/10/2006	ATL	mg/l	Lead	14	0.50
Hwy 53	B81	B81-0.0	WET	085079-192A	Soil	7/10/2006	ATL	mg/l	Lead	6.4	0.25
Hwy 53	B82	B82-0.0	WET	085079-195A	Soil	7/10/2006	ATL	mg/l	Lead	8.8	0.25
Hwy 53	B83	B83-0.0	WET	085079-198A	Soil	7/10/2006	ATL	mg/l	Lead	3.7	0.25
Hwy 53	B84	B84-0.0	WET	085079-201A	Soil	7/10/2006	ATL	mg/l	Lead	8.9	0.25
Hwy 53	B85	B85-0.0	WET	085079-204A	Soil	7/10/2006	ATL	mg/l	Lead	8.0	0.25
Hwy 53	B87	B87-0.0	WET	085079-210A	Soil	7/10/2006	ATL	mg/l	Lead	1.8	0.25
Hwy 53	B12	B12-0.75	pH	085079-020A	Soil	6/16/2006	ATL	pH units	pH	7.6	0.10
Hwy 53	B13	B13-0.75	pH	085079-023A	Soil	6/16/2006	ATL	pH units	pH	7.2	0.10
Hwy 53	B19	B19-0.75	pH	085079-038A	Soil	6/16/2006	ATL	pH units	pH	8.0	0.10
Hwy 53	B21	B21-0.75	pH	085079-044A	Soil	6/16/2006	ATL	pH units	pH	7.7	0.10
Hwy 53	B24	B24-0.0	pH	085079-052A	Soil	6/16/2006	ATL	pH units	pH	7.5	0.10
Hwy 53	B34	B34-0.0	pH	085079-067A	Soil	6/16/2006	ATL	pH units	pH	7.9	0.10
Hwy 53	B38	B38-0.0	pH	085079-073A	Soil	6/19/2006	ATL	pH units	pH	8.4	0.10
Hwy 53	B4	B4-0.0	pH	085079-004A	Soil	6/16/2006	ATL	pH units	pH	7.8	0.10
Hwy 53	B42	B42-1.5	pH	085079-087A	Soil	6/19/2006	ATL	pH units	pH	7.2	0.10
Hwy 53	B45	B45-1.5	pH	085079-096A	Soil	6/19/2006	ATL	pH units	pH	8.1	0.10
Hwy 53	B50	B50-1.5	pH	085079-110A	Soil	6/19/2006	ATL	pH units	pH	7.4	0.10
Hwy 53	B51	B51-0.75	pH	085079-112A	Soil	6/19/2006	ATL	pH units	pH	7.4	0.10
Hwy 53	B54	B54-0.75	pH	085079-121A	Soil	6/19/2006	ATL	pH units	pH	7.6	0.10
Hwy 53	B60	B60-0.0	pH	085079-135A	Soil	6/19/2006	ATL	pH units	pH	7.8	0.10
Hwy 53	B63	B63-1.5	pH	085079-146A	Soil	6/19/2006	ATL	pH units	pH	6.9	0.10
Hwy 53	B68	B68-0.75	pH	085079-160A	Soil	6/19/2006	ATL	pH units	pH	7.4	0.10
Hwy 53	B69	B69-1.5	pH	085079-164A	Soil	6/19/2006	ATL	pH units	pH	7.2	0.10
Hwy 53	B74	B74-0.75	pH	085079-172A	Soil	6/19/2006	ATL	pH units	pH	7.8	0.10
Hwy 53	B79	B79-0.75	pH	085079-187A	Soil	6/19/2006	ATL	pH units	pH	7.6	0.10
Hwy 53	B82	B82-1.5	pH	085079-197A	Soil	6/19/2006	ATL	pH units	pH	7.8	0.10
Hwy 53	B85	B85-0.0	pH	085079-204A	Soil	6/19/2006	ATL	pH units	pH	7.0	0.10
Hwy 53	B89	B89-0.0	pH	085079-216A	Soil	6/19/2006	ATL	pH units	pH	7.7	0.10