Prepared for:

Montrose Chemical Corporation of California

Bainbridge Island, Washington

FOCUSED CONCEPTUAL SITE MODEL TO ADDRESS SOILS FOR THE MONTROSE CLOSED PONDS SITE ASSESSMENT AREA

HENDERSON, NEVADA

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16 January 2009

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Focused Conceptual Site Model to Address Soils for the Former Montrose Closed Ponds Site Assessment Area
Henderson, Nevada

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16 January 2009

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession, and to the best of my knowledge, comply with all applicable federal, state and local statutes, regulations and ordinances.

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The services provided for this effort included data compilation, data evaluation and preparation of this report.

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LIST OF ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
Converse	Converse Consultants
COPCs	Contaminants of Potential Concern
CPA	Closed Ponds Area
CSM	Conceptual Site Model
DNAPL	Dense Non-aqueous Phase Liquid
ECA	Environmental Conditions Assessment
ECI	Environmental Conditions Investigation
EPA	Environmental Protection Agency
FID	Flame Ionization Detector
foc	Fraction Organic Content
GWTS	Groundwater Treatment System
Hargis	Hargis & Associates, Inc.
K_H	Henry's Law Constant
Montrose	Montrose Chemical Company of California
LOU	Letter of Understanding
NAPL	Non Aqueous Product Liquid
NDEP	Nevada Division of Environmental Protection
PID	Photo Ionization Detector
PVC	Poly Vinyl Chloride
RAO	Remedial Action Objective
RAS	Remedial Alternative Study
RCRA	Resource Conservation and Recovery Act
SBR	Still-bottom Residue
SMC	Stauffer Management Company
SRCs	Site-Related Chemicals
SVOC	Semi-Volatile Organic Compounds
UMCc	Upper Muddy Creek coarse-grained facies
UMCf	Upper Muddy Creek fine-grained facies
USCS	Unified Soil Classification System
VOC	volatile organic compounds

1. INTRODUCTION AND OVERVIEW

This Focused Conceptual Site Model (CSM) Report addresses soils and vadose zone issues for the Closed Ponds Area (CPA) of the former Montrose Chemical Company of California (Montrose) facility located in Henderson, Nevada. This document is a follow-up to Montrose's submittal of the Focused Conceptual Site Model and Preliminary Screening of Remedial Alternatives for the Former CPA dated April 11, 2008. NDEP commented on the April submittal in a letter dated May 22, 2008 and requested development and submittal of a new document. Work on the re-submittal was subsequently put on hold, while NDEP developed Remedial Alternative Study (RAS) Process guidance that was released in final form on October 10, 2008.

The original April 2008 document included: 1) a CSM that addressed soil and groundwater issues at the CPA; and 2) a preliminary Remedial Alternative Study (RAS) for groundwater at the CPA. However, at a meeting held between Montrose representatives and NDEP on September 3, 2008, it was determined that all groundwater-related matters for the Montrose areas would be addressed in the future within a Site-Wide Groundwater CSM/RAS due to be submitted in 2009. Additionally, preliminary screening of remedial alternatives would be done within the context of the upcoming RAS Process document, while additional evaluation and screening of remedial alternatives specific to the CPA would be done during the development of the RAS.

Therefore, while previous groundwater investigation work is briefly summarized for purposes of completeness, this CSM Report focuses primarily on soils and vadose zone issues at the CPA and reflects the content requested by NDEP in the RAS Process guidance for a draft of Deliverable #3: Source Area-Specific CSMs and Sampling and Analysis Plans.

2. CPA SOURCE AREA-SPECIFIC CSM

2.1 CPA Source Area-Specific CSM Objectives

This report is designed to provide a comprehensive CSM for the CPA. Components of the CSM include: the physical, lithologic and hydrostratigraphic setting; operational history and closure of the ponds; a summary of previous environmental investigations; an analysis of data gaps; discussion that addresses the technical infeasibility (and NDEP's concurrence) for the collection of additional data within the CPA boundary; an evaluation of the potential exposure pathways and potential receptors; and finally, a discussion of the path forward for the CPA.

It should be noted that laboratory data derived from historical investigations have not been through the formal Data Usability Evaluation, which is currently underway.

2.2 Physical Setting

The Former Montrose Chemical Facility Closed Ponds Area (CPA), the Site, resides within the geographical boundary of the Olin property as shown on Figure 2-1. The CPA, as defined for the purpose of this report, spans an area that is approximately 1150 feet long by 450 feet wide (approximately 20 acres) and is illustrated on Figure 2-2.

To understand the lithology and hydrostratigraphy at the CPA, several cross-sections were constructed. These cross-sections are illustrated on Figures 2-3 and 2-4. These cross-sections include several types of information: Unified Soil Classification System (USCS) designation, flame ionization detector (FID)/ photo ionization detector (PID) reading obtained during drilling, well construction information, and recent water level data. Boring logs from soil borings or monitor wells that were installed during the previous investigations were used to construct these cross-sections; available logs for this area are presented in Appendix A. Additionally, a 3-D block diagram illustrates the conceptual setting of the CPA relative to the lithologic and hydrostratigraphic zones and is provided on Figure 2-5.

Based on this information, three of the four hydrostratigraphic units described in the Site-wide CSM (Hargis, 2007) have been delineated at the CPA. These three hydrostratigraphic zones are depicted on Figures 2-3 and 2-4 and are described below:

- The shallow alluvial aquifer at the CPA, which consists predominantly of unconsolidated silt, sand, gravel, cobbles, and caliche;

- A "Transition Zone" consisting of reworked fine-grained facies of the Upper Muddy Creek (UMCf) materials, which include clay, silt, and fine-grained sand; and

- The fine-grained facies of the UMCf, which consists of predominantly saturated, low-permeability, unconsolidated to semi-consolidated silt and clay, with occasional thin, laterally discontinuous interbeds of fine- to medium-grained sand with silts and gravels to depths of about 275 feet bgs (Hargis, 2007).

The fourth hydrostratigraphic unit, the coarse-grained facies of the Upper Muddy Creek (UMCc), occurs at depths of approximately 275 – 300 feet bgs in other areas of the Site (Hargis, 2007). It was not delineated at the CPA, because the deepest available logs for the CPA were for borings to depths of nominally 150 feet bgs.

2.3 Pond Construction and Operation

When operational, the CPA consisted of six different ponds that were constructed during the 1970s. Beginning in November 1973, Montrose constructed Ponds 1 through 4 on property leased from Stauffer Management Company (SMC). This lined pond system was completed and put into service in May 1976 to receive acid waste streams from: 1) the dichlorobenzil process washing and product drying steps; and 2) sulfide wastes from the polychlorinated benzenes and chloral processes. Construction details for Ponds 1 through 4 are provided in Exhibit 1.

Concerns over the mixing of sulfuric acid and hydrochloric acid wastes that occurred in Ponds 1 through 4 from 1976 to early 1979 led to the construction of Pond 5. Pond 5 received the hydrochloric acid wastes along with Pond 2, which was converted between August and October 1979 to handle Pond 5's overflow. Pond 6 was constructed in August 1976 to receive polychlorinated benzene still-bottom residues from the chlorinated benzene distillation process. Prior to mid-1976, this material was disposed of at the BMI Landfill (Converse, 1993). Construction details for Pond 5 are provided in Exhibit 2.

2.4 Pond Closure History

The ponds at the CPA were closed in the 1980s. Pond 6 was closed in 1981 by Montrose. No liquid wastes were placed in Ponds 1 through 5 after 1983, and the ponds were allowed to dry before closure (Hargis, 2007). Non-RCRA Ponds 1, 3, and 4 were closed and capped in 1987; RCRA Ponds 2 and 5 were closed in 1989 as a RCRA-

regulated closure due to pH (Hargis, 2007). The cap at the ponds was engineered and consists of a PVC membrane, geo-textile layer with overlying sand and native soil (Converse, 1993). A diagram depicting the cap cover design is provided in Exhibit 3.

The cap is inspected after each significant storm event and is maintained to prevent erosion and eliminate growth of native plant. The area has been fenced since closure of the ponds, is under surveillance by the Olin security staff and deed restrictions are in place. A more complete history of the pond construction, operation, and closure timelines can be found in the *Review of Remaining Category II Comments* letter (SECOR, 1999) and the *Phase I Environmental Conditions Assessment* (ECA) (Converse, 1993.).

As part of closure and post-closure activities, four compliance monitor wells were installed: MW-1 is the upgradient well, while MW-2, MW-3, and MW-4 are the downgradient wells (Figure 2-6). These wells have been sampled and analyzed generally for volatile organic compounds (VOCs), selected pesticides, dichlorobenzil, specific electrical conductance, and pH. The results have been reported regularly to NDEP since May 1989.

Subsequent to the closure of Pond 6 in 1981, still-bottom residue (SBR) was stored in three aboveground steel tanks located east of Pond 5. The tanks ranged in capacity from 26,000 to 95,000 gallons and were located in a concrete containment area. This tank area was demolished in 1983 through 1984 following termination of facility operations. The tank contents and liquids used for decontamination were transported off site for incineration (Hargis, 2007).

2.5 Pond Contents

Information regarding the contents of the ponds during their operation was obtained from the Phase I ECA Report prepared by Converse Consultants (Converse, 1993). The information is summarized below for groups of ponds that received similar wastes. The wastes that were received by the ponds are discussed along with the more mobile constituents associated with those wastes. The more mobile constituents have a greater mass flux into groundwater (potentially resulting in higher concentrations) and would be detected first in the downgradient monitor wells.

2.5.1 Ponds 1, 3, and 4

These three ponds (Ponds 1, 3, and 4) mainly received dichlorobenzene wash water, waste acid streams, sulfuric acid, and chloride wastes. The more mobile inorganic

constituents associated with these wastes are sulfate from sulfuric acid and chloride from chloride wastes and phosphorous trichloride. Potential organic constituents from these three ponds would have included: the dichlorobenzenes, chlorobenzene, and chloroform, based on compounds in the waste streams.

2.5.2 Ponds 2 and 5

These ponds were used for hydrochloric and sulfuric acid wastes, acidic chlorinated benzene wastes, and wastes from the chlorobenzene processes. The more mobile constituents associated with these wastes are chloride from hydrochloric acid, polychlorinated benzene acid wash, "chloride-bearing wastes," and the hydrochloric acid process wastes. Potential organic constituents from these ponds would have included: benzene, the dichlorobenzenes and chlorobenzene.

2.5.3 Pond 6

This pond was used to store SBR from the chlorinated benzene distillation process from 1976 to 1981. SBR is a tar-like substance containing a wide range of chlorinated benzenes including chlorobenzene, dichlorobenzene, trichlorobenzene, and PCBs. As a result, the more mobile organic constituents of SBR would have included the dichlorobenzenes and chlorobenzene.

2.5.4 SBR Storage Tank Area

The SBR storage tanks were situated to the east of former Pond 5 and held substances similar to what was stored in Pond 6.

2.6 Extent of Soil Contamination at the CPA

Since closure of the ponds, several environmental investigations have been performed at the CPA to evaluate the extent of potential contamination to the surrounding soils and groundwater as a result of previous pond operations. These investigations are summarized in the following documents listed below:

- *Summary Report on Soil Sampling and Analytical Reports for Closure on Ponds No.2 and 5* (Converse, 1988).
- *The Bi-annual Compliance Well Groundwater Sampling Program* (Converse, 2007).
- *Phase I Environmental Conditions Assessment (ECA)* (Converse, 1993).

- Phase II Environmental Conditions Investigation (ECI) Programs:
  - Phase II ECI (SECOR, 1997);
  - Additional Groundwater Investigation (SECOR, 2000);
  - Deep Water-bearing Zone Investigation (SECOR, 2001);
  - Soil Vapor and Soils Investigation (Hargis, 2007);
  - DNAPL Investigation (Hargis, 2007); and
  - Aquifer Testing (Hargis, 2007).
- Downgradient CPA Groundwater Investigation (Geosyntec, 2008)

These previous environmental investigations are summarized briefly in the sections that follow. While this CSM Report is designed to address primarily soils at the CPA, the groundwater investigations are briefly summarized as background and context for the soils discussions and to illustrate the work performed at the CPA to date.

2.6.1 Summary Report on Soil Sampling and Analytical Reports for Closure of Ponds No. 2 and 5

An investigation conducted in 1988 consisted of sampling and collection of six soil samples collected from around Pond 5; 16 soil samples collected from around Ponds 1 through 4; and, three soil samples from the former PCB storage tank site near Pond 5 (Converse, 1988). Soil sample locations are provided on Figure 2-7. Borehole logs are not available for this sampling effort.

Soil samples collected during this investigation were analyzed for pH, phenols, VOCs, SVOCs, organochlorine pesticides, PCBs, cyanide, and an assortment of metals. Analytical results for these soil samples are summarized on Table 2-1.

2.6.2 Bi-Annual Compliance Well Sampling Program

The post-closure monitoring program at the CPA consists of monitoring and analysis of samples from four compliance monitor wells surrounding the CPA (MW-1, MW-2, MW-3, and MW-4). This monitoring program has been conducted since May 1989 in accordance with the *Amended Closure / Post Closure Plan, Henderson Facility Ponds #2 & #5, dated September 28, 1987* (Montrose, 1987). Since its inception, forty-one groundwater sampling events have been conducted on these four wells. Initially, these sampling events were conducted on a quarterly basis (May 1989 to April 1992), then semi-annually since October 1992. Borehole logs are provided in Appendix A.

Currently, the monitor wells are sampled for VOCs, dichlorobenzil, pesticides, pH, and specific electrical conductance. The most prevalent compounds identified by this monitoring the downgradient wells have been chloroform, chlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, and benzene.

2.6.3 Phase I Environmental Conditions Assessment (1993)

As part of the 1991 Consent Agreement, Montrose completed a Phase I ECA for the Montrose Facility in 1993 (Converse, 1993). The Phase I ECA discussed Montrose's former operations at the site and provided an extensive review of documents describing the manufacture, storage, and disposal of chemicals throughout the site. Known and potential releases in the vicinity of the CPA were discussed in the ECA, and are summarized in Section 3 of this report, where potential release mechanisms and transport pathways are discussed.

The Phase I ECA concluded that no further action was needed for Ponds 1 through 6, as they had been adequately capped and had compliance monitor wells installed immediately upgradient and downgradient of the capped site pursuant to RCRA closure procedures.

2.6.4 Phase II Environmental Conditions Investigation (1997)

The NDEP reviewed the June 8, 1992 draft of the Phase I ECA and issued a letter of "Recommendations Based on Phase I Report," dated December 16, 1992. This letter identified 23 study items throughout the former Montrose facility where additional site characterization and evaluation was needed. A Phase II Letter of Understanding (LOU) was issued by the NDEP to Montrose on August 15, 1994 (NDEP, 1994), requiring certain Phase II ECIs to be conducted on the previously identified 23 LOU study items.

These study items, known as the "LOU" study items, were subsequently reorganized by Montrose into five logical groupings called site assessment areas for the former Montrose facility. The CPA is one of those five site assessment areas and consists of the following LOU study items (SECOR, 1997):

- LOU Item 6 (SBR Storage Tank Area);
- LOU Item 15 (Ponds 1, 3, and 4);
- LOU Item 16 (Ponds 2 and 5); and
- LOU Item 17 (Pond 6).

The other four site assessment areas, based on these groupings for the former Montrose facility are: Former Tank Farm; Former Plant Site; Former Benzene Storage Tank; and Site-wide Groundwater (SECOR, 1997).

The Phase II ECI for the CPA was completed during late 1996 and 1997 (SECOR, 1997). At that time, a decision was made not to conduct sampling activities within the actual ponds, because the existing cap extended beyond the footprint of the closed ponds. Instead, three shallow borings were advanced to 10 feet along the former process waste lines that fed the ponds while they were in operation. The Phase II ECI Report (SECOR, 1997) concluded that concentrations of the target compounds were found below the NDEP's Action levels. Analytical results for soil are summarized on Table 2-2.

2.6.5 Additional Groundwater Investigation (2000)

A groundwater investigation was conducted downgradient of the Montrose CPA between October 1999 and January 2000 (SECOR, 2000). The investigation included drilling eight exploratory boreholes (SB-1 through SB-8) in an east-west transect along the downgradient edge of the CPA. Groundwater grab samples were collected and analyzed for VOCs and selected inorganic constituents. The sampling locations and a summary of select VOC results for these groundwater grab samples are shown on Figure 2-8.

Laboratory analysis of the groundwater grab samples obtained from the eight exploratory boreholes showed that the most significant concentrations of compounds are bounded by SB-8 to the west and SB-2 to the east. Decreased groundwater concentrations of target compounds were found toward the west in the groundwater grab sample from SB-8, and results were non-detectable further west in Well H-13. Similarly, to the east, concentrations were non-detectable, except for chloroform in groundwater grab samples from SB-2 and SB-3.

These eight boreholes were drilled to 70 feet below grade surface (bgs) and sampled every 5 feet with continuous coring between 50 and 60 feet bgs. Soil samples obtained from drilling were not submitted for laboratory chemical analysis. However, headspace readings were recorded and are provided on the borehole logs in Appendix A. Headspace readings are shown to be the highest immediately downgradient of the CPA in borehole SB-1 at the groundwater interface. Headspace readings for boreholes SB-2 and SB-3, located east of SB-1 and northeast of the ponds, did not show any positive readings at the groundwater interface. A decrease in headspace readings was observed

further west of the CPA from boreholes SB-4 through SB-8, with no observable readings in SB-8.

Two soil samples were analyzed for physical parameters, one from the water-bearing zone (between 50 and 60 feet bgs) and another collected at 70 feet bgs. These physical property results are summarized on Table 2-3.

2.6.6 Deep Water-Bearing Zone Investigation (2001)

A deeper water-bearing zone investigation was conducted in the vicinity of the CPA between September 2000 and January 2001 at the request of the NDEP to determine if chemical contaminants in the alluvial aquifer may have migrated deeper (SECOR, 2001). A series of subsurface soil samples and a groundwater grab sample were obtained from a single boring (CP-1) advanced to 130 feet bgs. A summary of soil analytical results are provided on Table 2-4. Analytical results for the groundwater grab sample is summarized on Figure 2-8. This borehole was converted to a deep monitor well with a total depth of 125 feet and ten feet of screen from 115 to 125 feet bgs in the UMCf. This well is located approximately 70 feet downgradient of the CPA. The borehole log for CP-1 is provided in Appendix A.

In addition to sampling for various compounds (SECOR, 2001), CP-1 was pumped during step-drawdown tests to evaluate the sustainable hydraulic yield of the deeper water-bearing zone. The findings of this investigation are summarized below:

- Thin intermittent water-bearing zones were observed between 70 and 124 feet bgs, with a deep water-bearing zone observed between 119 and 124 feet bgs.

- A chemically impacted soil layer measuring 0.9 feet in thickness was observed in the saturated zone at 99 feet bgs during drilling. Subsequently, this material has been identified as a multi-component organic chemical DNAPL (SECOR, 2001).

2.6.7 Supplemental Investigations (2006 - 2008)

Supplemental investigations were performed in the vicinity of the CPA in 2006 through 2008 and included additional sampling for DNAPL occurrence, soils, soil vapor, and groundwater. These investigations are summarized in the Site-wide CSM (Hargis, 2007) and included the following:

- **DNAPL Investigation:** Four DNAPL reconnaissance borings (RBs) were drilled to nominally 150 feet bgs downgradient of the CPA in late 2006 (Hargis, 2007). These borehole locations are referred to as RB-05 through RB-08 and were located along the northern perimeter of the CPA (Figure 2-9). These locations included screening for DNAPL materials using PID / FID measurements, FLUTe™ ribbon applications, soil sampling, and visual observation. Evidence of DNAPL was not found in any of the investigation boreholes downgradient of the CPA (RB-05 through RB-08). Analytical results for soil from these four borings are summarized in Table 2-5. Borehole logs are provided in Appendix A. Analytical results show chloroform was the most prevalent compound with the highest concentrations observed at the saturated zone between 60 to 70 feet bgs. Soil samples analyzed from RB-06 and RB-07, immediately downgradient of the CPA, had the highest detectable concentrations of chloroform and other volatile compounds. The most westward boring, RB-08, had the lowest detectable concentrations of volatile compounds.

- **Soils:** In addition to the four RB borings described above, soil was sampled at 12 other locations within the perimeter of the CPA (Figure 2-10). Eight of these were deep borings of approximately 50 feet, while the remaining four were shallow (less than 10 feet). Analytical results for soil are summarized in Table 2-6. Borehole logs are provided in Appendix A. In general, analytical results show presence of many compounds including individual VOCs, SVOCs, aldehydes, PCBs, and various inorganics. However, chloroform was the most prevalent compound present with the highest concentrations found in the deeper samples (50 feet bgs).

  Soil Vapor Investigation: A soil-vapor study was conducted in the immediate vicinity of the CPA and throughout the then undeveloped land to the west of the CPA in April and May of 2006 (Hargis, 2007). Soil vapor was sampled at several depths at 30 locations (Figure 2-11). The soil vapor points were advanced to approximately 50 feet bgs and sampled approximately every 5 to 10 feet. The soil vapor samples were analyzed for VOCs via Environmental Protection Agency (EPA) Method 8260B. Of the more than 90 samples analyzed, chloroform was the predominant compound detected. Only one detection of benzene was observed, while no detections of chlorobenzene, 1,2-dichlorobenzene, or 1,4-dichlorobenzene were observed.

While chloroform was observed in soil vapor throughout the area of the CPA, concentrations decreased significantly within approximately 100 feet of the CPA boundary to the west, east, and south (Figure 2-11). Analytical results for soil vapor are summarized in Table 2-7.

- **CPA Downgradient Groundwater Investigation:** Five DNAPL reconnaissance borings were drilled to nominally 150 feet bgs downgradient of the CPA in July 2008 (Figure 2-12). These boreholes were subsequently converted to groundwater monitoring wells referred to as AA-MW-20 through AA-MW-24. Investigation at these locations included screening for DNAPL materials using a PID, FLUTe™ ribbon applications, soil sampling, and visual observation. Evidence of DNAPL was not found in any of these investigation boreholes.

  In general, elevated volatile organic compound concentrations were observed immediately downgradient of the CPA with concentrations diminishing significantly in monitor wells situated further downgradient towards the north and northeast (Figure 2-12). Groundwater analytical results are summarized in Table 2-8. Borehole logs are provided in Appendix A.

2.6.8 Summary of Extent of Soil Contamination

The results of the investigations summarized in the preceding sections indicate that releases from the ponds occurred during the operational time period, likely as a result of leaking liners and overtopping. These liquids, once introduced into the vadose zone appear to have migrated predominantly vertically to the saturated zone. Once within the saturated zone, contaminant mass likely migrated laterally downgradient nominally to the north. If sufficient chemical mass migrated downward, DNAPL may have migrated to the more impermeable lithologic zones, possibly resulting in the residual DNAPL material observed solely in boring CP-1. The degree of migration would be a function of the density, volume of the release, and the intrinsic properties of the soil. During closure procedures in the 1980s, liquids were removed and the ponds were backfilled and capped with clean fill and a geotextile membrane. Thus, further liquid releases were not possible from the ponds after their closure, and the ponds themselves do not represent continuing releases of contamination to the vadose zone and groundwater.

The vertical transport hypothesis is based on the analytical data and observations recorded during the investigations described above. Specifically, the 12 borings completed within the CPA area show low concentrations of SRCs (Figure 2-10) and

low PID and FID readings (Figures 2-3 and 2-4) in the vadose zone. These borings are completed within 150 feet of the pond footprints, and in some cases immediately adjacent to the ponds. These data agree with the vertical and lateral soil vapor profiles collected around the ponds that show the lateral distribution of VOC concentrations attenuates abruptly within approximately 100 feet of the CPA boundary (Figure 2-11). This distribution is consistent with the vertical transport of liquids beneath the footprint of the CPA within the vadose zone, and the lateral diffusion of vapors from these liquids.

Similarly, the downgradient boring logs north of the CPA and the 12 borings within the CPA show very low PID and FID readings in the vadose zone, generally less than 10 ppm (Figure 2-3), and visual observations of affected soil were not observed in the vadose zone (see Appendix A). Additionally, vadose zone soil analytical data collected from the 12 borings within the CPA were generally non-detect with the exception of chloroform. Again, these lines of evidence illustrate the lack of lateral migration of potential releases in the vadose zone at the CPA.

The distribution of soil impacts in the vadose zone beneath the ponds is not known, and as stated previously, additional investigations to assess the distribution are not recommended, because such an investigation would require placing heavy equipment on the cap areas and drilling through the engineered cap.

2.7 Data Gap Analysis and Potential Future Investigation Work

Based on the review of previous site soil and soil-vapor investigations at the CPA, discussed above in Section 2.6, the sample population and spatial distribution of historical soil and soil-vapor samples appear to be extensive enough to address interpretation of the vadose zone soils within the vicinity of the former ponds. Therefore, further site characterization for subsurface soils is not recommended at this time.

However, the need for further investigation of shallow soils at the CPA was identified as a data gap during this meeting. Information required to fill this data gap includes analysis of shallow soils for asbestos, arsenic, BHC, and radionuclide data. Another data gap is the potential transportation of volatile SRC compounds from the soil to the atmosphere. Volatility of the SRCs range from volatile to highly volatile based on their vapor pressure (Hargis, 2007). Volatility data indicate that volatile SRCs include benzene, chlorobenzene, 1,2-DCB and 1,4-DCB, 1,2,4-trichlorobenzene, and chloroform are volatile and that there is a potential for these compounds to be

transported as vapor to the atmosphere at the Henderson Site. Information required to fill this data gap would include limited soil-gas or flux chamber data to address the vapor intrusion pathway.

It also should be noted that the outcome of the Data Usability Evaluation currently being conducted by Integral potentially could affect this decision and the need for additional site characterization. Therefore, a formal data gap analysis will be conducted for the CPA soils subsequent to the findings of the Data Usability Evaluation. Should the need for additional site characterization be required, a sampling and analysis plan will be prepared per the NDEP's RAS Guidance letter (NDEP, 2007).

As was discussed with NDEP and their consultants at the September 3, 2008 meeting in Las Vegas, invasive collection of subsurface soil samples within the footprints of the cap at the CPA would not be practical, as it would require drilling into the existing RCRA cap with the risk of compromising its integrity. The various parties at the meeting were in agreement that such investigation activities would not be worth the considerable environmental risk. Extent of Contaminated Soil

2.8 Extent of Contaminated Soil

The volume of contaminated soil beneath the former ponds can only be approximated as there is no available soil analytical data below the former pond footprints. If it is assumed that all soil beneath the ponds is affected by leakage or overtopping, the volume of affected soil between the bottom of the ponds and the water table is approximately 800,000 cubic yards.

3. CONTAMINANT FATE AND TRANSPORT

3.1 Potential Release Mechanisms and Transport Pathways

Prior investigations at the CPA indicate that pond contents may have migrated to soils and/or groundwater during the operating years between 1975 and June 1983 prior to the closure of the ponds. The Phase I ECA Report discussed in the previous section, states that pond contents for Ponds 1, 3, and 4 may have accidentally migrated to soils and groundwater as a result of lining damage or overflow (Converse, 1993). In addition, findings from a document review conducted by SECOR in April 1999 indicate several of the ponds were overfilled above their freeboard levels during the early years of operation; seeps of pond-like liquids were observed outside the berms of Ponds 3 and 4; pond-like liquids were routinely noted in several of the leachate collection wells; and a liquid collection trench that was constructed during closure activities for Ponds 2 and 5 (SECOR, 1999).

Further, findings from SECOR's 1999 document review indicate the presence of pond-like liquids, during pond operations, in at least one of the four leachate monitor wells surrounding Pond 2 and pumping of Pond 2 may have caused overflow into Pond 3. It was also noted that pond contents collected in the liquid collection trench (sump) diminished significantly after pond closure. Finally, historic damage (which was subsequently repaired) to the southwest corner of Pond 2 during off-loading of liquids from a vacuum truck also could have contributed to overflow during its operational history prior to closure (SECOR, 1999).

In addition to the ponds, the former SBR storage tanks also were located within the CPA and were situated to the east of Pond 5 and held substances similar to what was stored in Pond 6. One minor release was documented at this storage area in 1981 prior to operations ceasing and closure of the CPA. This release consisted of a small spill of approximately 20 gallons adjacent to the 26,000 gallon storage tank.

3.1.1 Air Pathway

Air dispersion of SRCs as a result of dust generation or volatilization could have potentially impacted shallow surface soils at the CPA. Specifically, shallow surface soils at the CPA may have been exposed to chemicals such as BHC, asbestos, arsenic, and/or radionuclides that originated from source areas outside of the CPA assessment area, and therefore are considered here in the air pathway discussion.

Contaminant transport can occur through the air pathway via two mechanisms: 1) windborne particulates, and 2) volatilization of contaminants into ambient air. Windborne particulate transport can occur when contaminated surface soils are present and particulates are mobilized and carried by wind. This pathway and mechanism can also transport contaminants from subsurface soils if they are excavated or grading exposes them to the effects of wind. The second mechanism by which contaminants can be transported via the air pathway is the migration of volatile compounds through soil pore space. Regarding the latter, these volatile compounds can migrate into the atmosphere or can be transported deeper into the ground and potentially impact groundwater, depending primarily on volatility of the compound, and also on molecular weight, the carbon content (fraction organic carbon [foc]) and physical properties of the soil matrix (porosity, grain size distribution, and moisture content), and temperature gradients.

The volatility of a chemical compound increases as its vapor pressure increases. Vapor pressures greater than 1 mm of mercury are considered highly volatile, vapor pressures in the range of 0.001 to 0.1 mm of mercury are considered semi-volatile and vapor pressures less than 0.001 mm of mercury are non-volatile under normal conditions. Due to the high summer temperatures at the Henderson Site, the volatile and semi-volatile compounds in the surface or near surface are susceptible to being volatized and released to the atmosphere.

VOCs dissolved in soil moisture and groundwater can also volatilize and be released to the atmosphere via soil gas respiration. The potential for these compounds to volatilize from the vadose zone soil moisture and groundwater is defined by the Henry's Law Constant (K_H) for that compound. KH provides a measure of the extent of chemical partitioning between air and water at equilibrium. The higher the K_H the more likely a chemical is to volatilize than to remain in water. A K_H exceeding 10-3 atmospheres-cubic meters per mole (atm-m3/mole) indicates a compound that is readily volatilized from a dilute aqueous solution. Compounds that have a K_H of less than 10-7 atm-m3/mol are considered to have a low volatility.

The potential volatility of the SRCs range from volatile to highly volatile based on their vapor pressure and K_H (Hargis, 2007). These data indicate that the SRCs benzene, chlorobenzene, 1,2-DCB and 1,4-DCB, 1,2,4-trichlorobenzene, and chloroform are volatile and that there is a potential for these compounds to be transported as vapor to the atmosphere at the Henderson Site.

3.1.2 Soil Pathway

Contaminants may be transported in soil by several mechanisms including vapor transport, dissolved-phase transport in soil moisture, and non-aqueous phase liquid (NAPL) migration from sources to the soil and/or groundwater.

At the CPA, there are minimal human exposure pathways for soil contaminants. There are occasional activities conducted at or near the CPA for offsite well monitoring and cap maintenance to prevent erosion from wind or rainfall. Deed restrictions are in place to prevent future construction work and various other non-industrial land uses. The former pond areas are covered with an engineered cap that was installed as part of the pond closure activities; its maintenance, fenced access and monitoring is expected to proceed indefinitely. As discussed in the preceding section, there is a potential risk of surface soil contamination of asbestos, arsenic, radionuclides, and BHC by wind-blown means from other source areas resulting in possible exposure to occasional site workers and trespassers. The potential risk of surface soil exposure will be addressed in detail during the Human Health Risk Assessment (HHRA) evaluation for site-wide shallow soils.

Based on the current conditions at the CPA potential transport in soil by dissolved-phase in soil moisture, and non-aqueous phase liquid (NAPL) migration from sources no longer exist. The only other soil transport mechanisms, air dispersion and windborne particulates are addressed in Section 3.1.1.

3.1.3 Surface Water and Sediment Pathway

Prior to pond closure in the 1980's, contaminants spilled during potential historic pond over-flow events could also have been transported via surface water runoff during precipitation events. Contaminants can be transported as dissolved phase in the surface water runoff or adsorbed onto the sediment load in the runoff. Soluble contaminants can be dissolved and transported across the land surface and/or infiltrate into the subsurface, contaminating the vadose zone and potentially migrating to the groundwater. Surface water can also concentrate and deposit-dissolved contaminants through evaporation when runoff pools in topographic low areas after precipitation events.

Again, this potential pathway of surface water / sediment is an historic one and is considered to no longer be a viable potential pathway at the CPA.

3.2 Exposure Pathways and Potential Receptors

An exposure pathway describes a specific environmental pathway by which an individual (receptor) can be exposed to SRCs present at or originating from a source. EPA (1989) has defined the following five elements that must exist for an exposure pathway to be considered complete:

- A source of chemical;
- A mechanism of chemical release to the environment;
- A retention or transport media (e.g., soil or air);
- A point of potential contact by receptors with the medium; and
- A means of entry (i.e., intake route) at the contact point (e.g., ingestion).

There must be a complete exposure pathway from the source (i.e., from soil, air, or groundwater) to human receptors in order for chemical intake to occur. If any one of these elements is missing, then the exposure pathway is considered incomplete. For example, if human activity patterns and/or the location of potentially exposed individuals prevent contact with the impacted media, then no completed pathways can exist.

This section focuses on potentially complete exposure pathways that are relevant for the sources and transport mechanisms previously discussed. Site-specific soils in the CPA area contain SRCs and are considered here. Additionally, air, which can contain SRCs as a result of dust generation or volatilization, also is considered. Potential exposure to the chemicals detected in Site media (e.g, BHC, asbestos, arsenic, radionuclides) for shallow soils is partly dependent on the type of chemicals that are present and the respective exposure media. Potential exposure routes to be considered include both direct and indirect contact with Site media (e.g. soil, soil-vapor, groundwater). If volatile chemicals are detected in soil, indirect exposures from vapors migrating from the subsurface may occur. If metals or SVOCs are detected, the direct contact routes of exposure, such as incidental ingestion or dermal contact, are the most potentially relevant. Potentially complete exposure pathways associated with these media are discussed within this section, with the following context:

- Exposures to surface water onsite is not considered a complete exposure pathway, since no permanent surface water bodies exist onsite.

- Exposure to chemicals in downgradient groundwater has been described in the Site-Wide CSM and will be dealt with in the Site-Wide Groundwater RAS documents.

- In some cases, an exposure pathway may be complete but is not significant, because: 1) the exposure may be two or more orders of magnitude less than by other pathways involving the same medium at the same exposure point for the same receptor; 2) the magnitude of exposure has low toxicological significance, and/or 3) the probability of exposure is low and potential risks associated with the pathway are not high (EPA, 1989). Exposure pathways, which are potentially complete but considered insignificant, will be discussed as "minor" routes to differentiate them from the "primary" exposure pathways identified for the CPA at the Site.

- Further, exposures to SRCs in groundwater via ingestion and dermal contact were not considered a potentially complete exposure pathway, because groundwater is not used for industrial, domestic consumption, or irrigation in the vicinity of the CPA.

The remainder of this section first describes the human receptor populations and their related exposure pathways, followed by a discussion of the ecological receptors and pathways.

3.2.1 Human Receptors and Exposure Pathways

The CPA has been used exclusively for industrial purposes, has deed restrictions and access controls, and will continue as such into the future. Land use immediately and further downgradient of the CPA is also exclusively industrial. In fact, land use for the entire Site downgradient to the Groundwater Treatment System (GWTS), a distance of 3.5 miles is currently and will remain industrial.

3.2.2 Worker Exposure Pathways

For the industrial/commercial workers at the CPA and adjacent areas within the Henderson Site, the following exposure scenarios have been identified:

- Outdoor workers who spend the majority of their workday outside;

- Construction workers who are assumed to contact shallow and subsurface soils; and

- Groundwater sampling contractors monitoring downgradient compliance wells at the CPA who could potentially contact pumped groundwater.

For indoor workers, the primary exposure media is indoor air; however, no structures/buildings are located within this assessment area. Therefore, the indoor air exposure pathway for industrial/commercial workers is not considered a complete exposure pathway. Outdoor workers could potentially be exposed to volatile SRCs that volatilize from soils or groundwater to ambient air and thus be exposed via inhalation. Additionally, fugitive dust containing non-volatile SRCs that is generated from wind erosion or soils handling activities could also be transported via ambient air.

The outdoor worker scenario is designed to represent employees of commercial or industrial facilities within the study area who spend the majority of their workday outdoors. The primary exposure media for outdoor workers are soils and ambient air. Two potentially complete exposure pathways involved in direct contact with soils are incidental ingestion and dermal contact. These direct contact pathways are assumed to be limited to surface soils. Outdoor workers could potentially be indirectly exposed to SRCs in soils via inhalation of fugitive dusts or volatile SRCs released into ambient air. Inhalation of volatile SRCs released from groundwater and migrating into ambient air is also a potentially complete exposure pathway for outdoor workers. Direct contact with impacted groundwater is not considered a complete exposure pathway, because it is not used at the Site and the depth to groundwater precludes outdoor workers from direct encounters with groundwater.

The construction worker scenario reflects temporary activities that could occur within the study area. The construction worker is assumed to be exposed to surface soils. In addition, it is assumed that the worker will be exposed to subsurface soils that may be exposed as part of excavation activities occurring at the Site. For this receptor, potentially complete exposure pathways resulting from direct contact with soils are incidental ingestion and dermal contact. In addition, construction workers could potentially be exposed to SRCs in soil via the inhalation route through volatilization and from fugitive dusts released to ambient air through wind erosion or soils handling. Inhalation of volatile SRCs released from groundwater is also a potentially complete pathway for the construction worker scenario.

3.2.3 Trespassers and Residential Exposure Pathways

Non-occupational exposures in the study area can occur onsite as a result of trespassing or offsite in the adjacent residential areas. The trespasser scenario is assumed to

involve adolescent and teenage children from the nearby residential areas. The potential exposures associated with trespassing onsite would be infrequent and for a significantly shorter duration than offsite residential exposures. Trespassers could potentially be exposed to soils in the study area via incidental ingestion and dermal contact. Inhalation exposures to SRCs in soils could potentially occur via releases from wind erosion and soils handling, and from volatilization. Volatile SRCs released from impacted groundwater could also migrate into ambient air and contribute to the inhalation exposure, although significant ambient air dilution and limited time spent onsite would likely reduce their exposures. No other groundwater-related exposures would be potentially complete for the trespasser scenario.

All other residential scenarios are assumed to take place in the offsite portions of the Site-wide CSM study area, and as such will be discussed as part of the Site-wide analysis, and not the CPA-specific analysis.

3.3 Ecological Receptors and Pathways

Ecological receptors are limited to the areas downgradient of the Henderson Site. No natural habitats exist onsite given the developed and industrial manufacturing operations at the Site. Therefore, by agreement with NDEP, potential ecological receptors and exposure pathways can only occur in the downgradient area and through potential exposures to groundwater. Groundwater pathways have been described and discussed in the Site-wide CSM (Hargis, 2007) and will be addressed in the upcoming Site-wide Groundwater RAS document.

4. PATH FORWARD

In general, activities anticipated for the CPA site assessment area are summarized as follows:

- Conclude the Data Usability Evaluation currently underway by Integral.
- Conclude the RAS Process Document underway by Geosyntec.
- Depending upon the outcome of the Data Usability Evaluation, perform a formal data gap analysis to determine the need, if any, for further site characterization of soils at the CPA.
- If additional site characterization is recommended, prepare a formal sampling and analysis plan per NDEP's RAS Guideline memorandum (NDEP, 2007) and the upcoming RAS Process Document.
- Perform the Human Health Risk Assessment (HHRA) Evaluation per the RAS Guideline memorandum (NDEP, 2007).
- Develop a CPA specific Soil RAS and Site-Wide Groundwater RAS per the RAS Guideline memorandum (NDEP, 2007) and the upcoming RAS Process Document.

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SECOR, 2001. Investigation of Deeper Water-Bearing Zones at the Closed Ponds and Former Plant Site, Henderson, Nevada. [NDEP acceptance status – unknown]

Tables

TABLE 2-1

HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
TOXIC METALS AND INORGANICS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	SE-1	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10	SC-1	SC-2
SAMPLE DATE	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88
SAMPLE MEDIUM	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOXIC METALS													
Antimony, mg/kg	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Arsenic, mg/kg	1.3	1.7	2.8	1.0	2.0	1.1	1.9	1.7	3.3	1.2	1.2	1.6	1.6
Barium, mg/kg	0.66	0.30	0.42	0.30	0.26	0.24	0.40	0.23	0.37	0.35	0.31	0.26	0.21
Cadmium, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium, mg/kg	9.0	7.0	9.0	7.0	7.0	6.0	8.0	7.0	5.0	7.0	8.0	6.0	5.0
Copper, mg/kg	15	11	13	10	11	8.6	13	11	12	12	11	15	11
Lead, mg/kg	7.0	7.0	5.0	<5.0	7.0	6.0	11	14	6.0	10	7.0	10	8.0
Mercury, mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Nickel, mg/kg	12	11	12	12	11	9.0	12	9.0	11	12	12	12	10
Selenium, mg/kg	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver, mg/kg	<0.5	0.6	0.6	0.6	0.6	<0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7
Thallium, mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Zinc, mg/kg	35	25	34	23	26	21	32	24	40	27	25	31	29
OTHER METALS													
Antimony, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calcium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cobalt, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Iron, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Magnesium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Managanese, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potassium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sodium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tin, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vanadium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MISCELLANEOUS													
pH (S.U.)	8.6	7.9	7.7	8.2	7.9	8.0	7.8	8.0	7.8	8.2	8.1	8.1	8.1
Cyanide, Total, mg/kg	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2
SAMPLE LOCATION	0.5 Mi. SW of Ponds	Pond 5, NEC	Pond 5, NEC	Pond 5, SEC	Pond 5, South	Pond 5, SWC	Pond 5 SWC,	Pond 5, NWC	Pond 5, NWC	Pond 5, North	Pond 5, NEC	Pond 2, NEC	Pond 2, SEC

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SOURCE: Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
TOXIC METALS AND INORGANICS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	SC-3	SC-4	SC-5	SC-6	SA-1	SA-2	SA-3	SA-4	SA-5	SA-6	SA-7	SA-8	SA-9
SAMPLE DATE	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88
SAMPLE MEDIUM	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOXIC METALS													
Antimony, mg/kg	<8.0	<8.0	<8.0	<8.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arsenic, mg/kg	1.2	1.5	1.3	0.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Beryllium, mg/kg	0.18	0.27	0.18	0.16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cadmium, mg/kg	<0.5	<0.5	<0.5	<0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chromium, mg/kg	3.0	6.0	2.0	2.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Copper, mg/kg	8.6	10	6.9	7.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lead, mg/kg	8.0	6.0	<5.0	<5.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mercury, mg/kg	<0.4	<0.4	<0.4	<0.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nickel, mg/kg	9.0	10	8.0	7.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Selenium, mg/kg	<0.5	<0.5	<0.5	<0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Silver, mg/kg	0.5	0.7	0.5	<0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Thallium, mg/kg	<5.0	<5.0	<5.0	<5.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Zinc, mg/kg	25	28	17	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER METALS													
Antimony, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calcium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cobalt, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Iron, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Magnesium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Managanese, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potassium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sodium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tin, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vanadium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MISCELLANEOUS													
pH (S.U.)	8.0	8.2	8.8	8.0	7.8	8.4	7.8	8.1	8.4	8.1	7.7	7.4	8.6
Cyanide, Total, mg/kg	<0.2	<0.2	<0.2	<0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SAMPLE LOCATION	Pond 3, SWC	Pond 2, SWC	Pond 2, West	Pond 2, NWC	Pond 4, NEC	Pond 3/4, East	Pond 3, SEC	Pond 1 NEC	Pond 1, SEC	Pond 1, SE	Pond 1, South	Pond 1 SW	Pond 1, SWC

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SOURCE: Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
TOXIC METALS AND INORGANICS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	SA-10	SA-11	SA-12	SA-13	SA-14	SA-15	SA-16
SAMPLE DATE	4/88	4/88	4/88	4/88	4/88	4/88	4/88
SAMPLE MEDIUM	SS	SS	SS	SS	SS	SS	SS
TOXIC METALS							
Antimony, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arsenic, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Beryllium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cadmium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chromium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Copper, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lead, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mercury, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nickel, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Selenium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Silver, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Thallium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Zinc, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER METALS							
Antimony, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Barium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calcium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cobalt, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Iron, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Magnesium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Managanese, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potassium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sodium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tin, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vanadium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MISCELLANEOUS							
pH (S.U.)	8.0	8.0	6.2	6.0	7.9	8.0	8.1
Cyanide, Total, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SAMPLE LOCATION	Pond 1, NWC	Pond 3, SWC	Pond 3/4, West	Pond 4, NWC	Pond 4, NW	Pond 4, North	Pond 4, NE

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SOURCE: Converse, 1988

TABLE 2-1

7/24/97

HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
TOXIC METALS AND INORGANICS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	1	2	3	4	14	15	16	17	14A-1	14B-1	14C-1	14D-1	14E-1
SAMPLE DATE	12/84	12/84	12/84	12/84	12/84	12/84	12/84	12/84	06/85	06/85	06/85	06/85	06/85
SAMPLE MEDIUM	SS	SS	SS	SS	SS/SED	SS/SED	SS/SED	SS/SED	SS	SS	SS	SS	SS
TOXIC METALS													
Antimony, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Arsenic, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	7	N/A	N/A	N/A	N/A	N/A	N/A
Beryllium, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Cadmium, mg/kg	1/5	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Chromium, mg/kg	45	N/A	N/A	N/A	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A
Copper, mg/kg	220	N/A	N/A	N/A	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A
Lead, mg/kg	200	N/A	N/A	N/A	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A
Mercury, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Nickel, mg/kg	40	N/A	N/A	N/A	N/A	N/A	18E	N/A	N/A	N/A	N/A	N/A	N/A
Selenium, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Silver, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Thallium, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Zinc, mg/kg	760E	N/A	N/A	N/A	N/A	N/A	90E	N/A	N/A	N/A	N/A	N/A	N/A
OTHER METALS													
Aluminum, mg,kg	6,000	N/A	N/A	N/A	N/A	N/A	12,000	N/A	N/A	N/A	N/A	N/A	N/A
Barium, mg/kg	190	N/A	N/A	N/A	N/A	N/A	210	N/A	N/A	N/A	N/A	N/A	N/A
Calcium, mg/kg	37,500	N/A	N/A	N/A	N/A	N/A	36,300	N/A	N/A	N/A	N/A	N/A	N/A
Cobalt, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Iron, mg/kg	15,600	N/A	N/A	N/A	N/A	N/A	12,300	N/A	N/A	N/A	N/A	N/A	N/A
Magnesium, mg/kg	16,000	N/A	N/A	N/A	N/A	N/A	16,000	N/A	N/A	N/A	N/A	N/A	N/A
Managanese, mg/kg	260	N/A	N/A	N/A	N/A	N/A	540	N/A	N/A	N/A	N/A	N/A	N/A
Potassium, mg/kg	1,200E	N/A	N/A	N/A	N/A	N/A	2,800	N/A	N/A	N/A	N/A	N/A	N/A
Sodium, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Tin, mg/kg	60E	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Vanadium, mg/kg	25E	N/A	N/A	N/A	N/A	N/A	40	N/A	N/A	N/A	N/A	N/A	N/A
MISCELLANEOUS													
pH (S.U.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cyanide, Total, mg/kg	0.60E	N/A	N/A	N/A	N/A	N/A	0.30E	N/A	N/A	N/A	N/A	N/A	N/A
SAMPLE LOCATION	MCCC Plant SWC	MCCC Plant NW	MCCC Plant NWC	MCCC Plant SEC	Pond 6 East	Pond 1 200 FT.W.	Pond 3 300 FT W	Pond 6 West	Pond 5 East	Pond 4 East	Pond 3 East	Pond 2 East	Pond 1 East

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SOURCE: Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
TOXIC METALS AND INORGANICS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	14F-1	14F-1	3A-4	3A-5	3A-6
SAMPLE DATE	06/85	06/85	06/85	06/85	06/85
SAMPLE MEDIUM	SS	SUB. S	SS/SED	SS/SED	SS/SED
TOXIC METALS					
Antimony, mg/kg	N/D	N/D	N/D	N/A	N/A
Arsenic, mg/kg	N/D	5.3	N/D	N/A	N/A
Beryllium, mg/kg	0.5TR	0.5TR	0.3TR	N/A	N/A
Cadmium, mg/kg	1.8TR	7.2E	7.2E	N/A	N/A
Chromium, mg/kg	41E	176	20E	N/A	N/A
Copper, mg/kg	19	26	29	N/A	N/A
Lead, mg/kg	19	20	74	N/A	N/A
Mercury, mg/kg	N/D	N/D	N/D	N/A	N/A
Nickel, mg/kg	147	1,340	19TR	N/A	N/A
Selenium, mg/kg	N/A	N/A	N/A	N/A	N/A
Silver, mg/kg	5.3E	5.3E	3.8TR	N/A	N/A
Thallium, mg/kg	24	28	23	N/A	N/A
Zinc, mg/kg	42	38	69	N/A	N/A
OTHER METALS					
Aluminum, mg/kg	11,900	9,940	13,500	N/A	N/A
Barium, mg/kg	215	234	231	N/A	N/A
Calcium, mg/kg	36,600	38,600	33,700	N/A	N/A
Cobalt, mg/kg	10TR	3.4	8.5TR	N/A	N/A
Iron, mg/kg	16,000	14,800	16,600	N/A	N/A
Magnesium, mg/kg	10,300	12,400	13,700	N/A	N/A
Managanese, mg/kg	395	622E	637E	N/A	N/A
Potassium, mg/kg	5,820	3,470	5,313	N/A	N/A
Sodium, mg/kg	785TR	3,700	671TR	N/A	N/A
Tin, mg/kg	4.9TR	N/D	13TR	N/A	N/A
Vanadium, mg/kg	41	39	45	N/A	N/A
MISCELLANEOUS					
pH (S.U.)	N/A	N/A	N/A	N/A	N/A
Cyanide, Total, mg/kg	N/D	N/D	N/D	N/A	N/A
SAMPLE LOCATION	Tank Farm SEC	Tank Farm SEC	Pond 1 200 FT.W	Pond 3 250 FT. W	Pond 4 300 FT. NW

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SOURCE. Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
ORGANOCHLORINE PESTICIDES AND PCBs
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	SE-1	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10	SC-1	SC-2
SAMPLE DATE	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88
SAMPLE MEDIUM	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
ORGANOCHLORINE PESTICIDES													
Aldrin, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Alpha-BHC, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Beta-BHC, mg/kg	0.19	0.23	0.12	0.13	0.54	0.21	0.17	0.27	0.27	0.59	3.80	0.51	0.48
Delta-BHC, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Gamma-BHC, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlordane, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
4,4'-DDD, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDE, mg/kg	<0.05	0.40	0.39	0.078	0.39	0.11	<0.00	2.50	0.62	0.80	0.18	0.89	0.44
4,4'-DDT, mg/kg	<0.20	0.71	0.23	<0.20	0.42	<0.20	<0.20	0.51	2.20	0.82	<0.20	0.27	0.44
Dieldrin, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan I, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan II, mg/kg	<0.05	<0.05	<0.05	<0.05	0.27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endo. Sulfate, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor Epoxide, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Toxaphene, mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	<2.0	<2.0	<2.0
POLYCHLORINATED BIPHENYLS (PCBs)													
Arochlor 1016, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1221, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1232, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1242, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1248, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1254, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1260, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1262, mg.kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
SAMPLE LOCATION	0.5 Mi. SW of Ponds	Pond 5, NEC	Pond 5, NEC	Pond 5, SEC	Pond 5, South	Pond 5, SWC	Pond 5, SWC,	Pond 5, NWC	Pond 5, NWC	Pond 5, North	Pond 5, NEC	Pond 2, NEC	Pond 2, East

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SOURCE: Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
ORGANOCHLORINE PESTICIDES AND PCBs
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	SC-3	SC-4	SC-5	SC-6	SD-1	SD-2	SD-3
SAMPLE DATE	04/88	04/88	04/88	04/88	04/88	04/88	04/88
SAMPLE MEDIUM	SS	SS	SS	SS	SS	SS	SS
ORGANOCHLORINE PESTICIDES							
Aldrin, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Alpha-BHC, mg/kg	1.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Beta-BHC, mg/kg	1.30	0.33	0.078	0.051	<0.05	<0.05	0.057
Delta-BHC, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Gamma-BHC, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlordane, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
4,4'-DDD, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	0.44	<0.05
4,4'-DDE, mg/kg	0.31	1.30	1.10	0.27	0.99	0.59	0.58
4,4'-DDT, mg/kg	<0.2	<0.2	<0.2	<0.2	4.00	3.30	3.20
Dieldrin, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03
Endosulfan I, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.65
Endosulfan II, mg/kg	<5.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endo. Sulfate, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor Epoxide, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Toxaphene, mg/kg	<0.2	<0.2	<0.2	<2.0	<0.2	<0.2	<0.2
POLYCHLORINATED BIPHENYLS (PCBs)							
Arochlor 1016, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1221. mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1232, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1242, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1248, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1254, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1260, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Arochlor 1262, mg.kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
SAMPLE LOCATION	Pond 2, SEC	Pond 2, SEC	Pond 2, West	Pond 2, NWC	PCB AST, NWC	PCB AST, NEC	PCB AST, South

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SOURCE: Converse, 1988

TABLE 2-1

HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
ORGANOCHLORINE PESTICIDES AND PCBs
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	1	2	3	4	14	15	16	17	14A-1	14B-1	14C-1	14D-1	14E-1
SAMPLE DATE	12/84	12/84	12/84	12/84	12/84	12/84	12/84	12/84	06/85	06/85	06/85	06/85	06/85
SAMPLE MEDIUM	SS	SS	SS	SS	SS/SED	SS/SED	SS/SED	SS/SED	SS	SS	SS	SS	SS
ORGANOCHLORINE PESTICIDES													
Aldrin, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Alpha-BHC, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Beta-BHC, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Delta-BHC, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Gamma-BHC, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Chlordane, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDD, mg/kg	36	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDE, mg/kg	330	N/A	N/A	N/A	N/A	N/A	1.00TR	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDT, mg/kg	2,200	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Dieldrin, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endosulfan I, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endosulfan II, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endo. Sulfate, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endrin, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endrin Aldehyde, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Heptachlor, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Heptachlor Epoxide, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Toxaphene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
POLYCHLORINATED BIPHENYLS (PCBs)													N/A
Arochlor 1016, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arochlor 1221, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arochlor 1232, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arochlor 1242, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arochlor 1248, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arochlor 1254, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arochlor 1260, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Arochlor 1262, mg.kg	N/D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SAMPLE LOCATION	MCCC Plant SWC	MCCC Plant NW	MCCC Plant NWC	MCCC Plant SEC	Pond 6 East	Pond 1, 200 FT.W	Pond3, 300 FT. W	Pond 6 West	Pond 5 East	Pond 4 East	Pond 3 East	Pond 2 East	Pond 1 East

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SOURCE: Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
ORGANOCHLORINE PESTICIDES AND PCBs
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	14F-1	14F-1	3A-4	3A-5	3A-6
SAMPLE DATE	06/85	06/85	06/85	06/85	06/85
SAMPLE MEDIUM	SS	SUB. S	SS/SED	SS/SED	SS/SED
ORGANOCHLORINE PESTICIDES					
Aldrin, mg/kg	N/D	N/D	N/D	N/D	N/D
Alpha-BHC, mg/kg	0.024	0.350	0.039	N/A	N/A
Beta-BHC, mg/kg	0.093	N/D	0.280	N/A	N/A
Delta-BHC, mg/kg	N/D	N/D	N/D	N/A	N/A
Gamma-BHC, mg/kg	N/D	N/D	N/D	N/A	N/A
Chlordane, mg/kg	N/A	N/A	N/A	N/A	N/A
4,4'-DDD, mg/kg	N/D	N/D	N/D	N/A	N/A
4,4'-DDE, mg/kg	0.012	0.560	0.270	N/A	N/A
4,4'-DDT, mg/kg	0.021	N/D	0.180	N/A	N/A
Dieldrin, mg/kg	N/A	N/A	N/A	N/A	N/A
Endosulfan I, mg/kg	N/A	N/A	N/A	N/A	N/A
Endosulfan II, mg/kg	N/A	N/A	N/A	N/A	N/A
Endo. Sulfate, mg/kg	N/A	N/A	N/A	N/A	N/A
Endrin, mg/kg	N/A	N/A	N/A	N/A	N/A
Endrin Aldehyde, mg/kg	N/A	N/A	N/A	N/A	N/A
Heptachlor, mg/kg	N/D	N/D	N/D	N/A	N/A
Heptachlor Epoxide, mg/kg	N/A	N/A	N/A	N/A	N/A
Toxaphene, mg/kg	N/A	N/A	N/A	N/A	N/A
POLYCHLORINATED BIPHENYLS (PCBs)					
Arochlor 1016, mg/kg	N/A	N/A	N/A	N/A	N/A
Arochlor 1221. mg/kg	N/A	N/A	N/A	N/A	N/A
Arochlor 1232, mg/kg	N/A	N/A	N/A	N/A	N/A
Arochlor 1242, mg/kg	N/A	N/A	N/A	N/A	N/A
Arochlor 1248, mg/kg	N/A	N/A	N/A	N/A	N/A
Arochlor 1254, mg/kg	N/A	N/A	N/A	N/A	N/A
Arochlor 1260, mg/kg	N/D	N/D	N/D	N/A	N/A
Arochlor 1262, mg.kg	N/A	N/A	N/A	N/A	N/A
SAMPLE LOCATION	Tank Farm SEC	Tank Farm SEC	Pond 1, 200 FT. SW	Pond 3, 250 FT. W	Pond 4, 300 FT. NW

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SOURCE: Converse, 1988

TABLE 2-1

HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
VOLATILE ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	SE-1	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10	SC-1	SC-2
SAMPLE DATE	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88
SAMPLE MEDIUM	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
ORGANOCHLORINE PESTICIDES													
Acetone, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acrolein, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acrylonitrile, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzene, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloro-methane, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromoform, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Bromomethane, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Disulfide, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carbon Tetrachloride, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chlorobenzene, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroethane, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Chloroethylvinylether, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloroform, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Cis-1,3-Dichloropropene, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibromochloromethane, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,3-Dichlorobenzene, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,4-Dichlorbenzne, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloroethene, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethene, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichloropropoane, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Freon 113, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
SAMPLE LOCATION	0.5 MI SW of ponds	Pond 5, NEC	Pond 5 NEC	Pond 5 SEC	Pond 5 South	Pond 5 SWC	Pond 5 SWC	Pond 5 NWC	Pond 5 NWC	Pond 5 North	Pond 5 NEC	Pond 2 NEC	Pond 2 East

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SOURCE: Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
VOLATILE ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	SC-3	SC-4	SC-5	SC-6
SAMPLE DATE	04/88	04/88	04/88	04/88
SAMPLE MEDIUM	SS	SS	SS	SS
ORGANOCHLORINE PESTICIDES				
2-Hexanone, mg/kg	<0.3	<0.3	<0.3	<0.3
Methylelne Chloride, mg/kg	<0.3	<0.3	<0.3	<0.3
Methyl Ethyl Ketone, mg/kg	<0.3	<0.3	<0.3	<0.3
Methyl Isobutyl Ketone, mg/kg	<0.3	<0.3	<0.3	<0.3
Styrene, mg/kg	<0.3	<0.3	<0.3	<0.3
1,1,2,2-Tetrachloroethane, mg/kg	<0.3	<0.3	<0.3	<0.3
Tetrachloroethene, mg/kg	<0.3	<0.3	<0.3	<0.3
Toluene, mg/kg	<0.3	<0.3	<0.3	<0.3
Trans-1,2-Dichloroethene, mg/kg	<0.3	<0.3	<0.3	<0.3
Trans-1,3-Dichloropropane, mg/kg	<0.3	<0.3	<0.3	<0.3
1,1,1-Trichloroethane, mg/kg	<0.3	<0.3	<0.3	<0.3
1,1,2-Trichloroethane, mg/kg	<0.3	<0.3	<0.3	<0.3
Trichloroethene, mg/kg	<0.3	<0.3	<0.3	<0.3
Trichlorofluoromethane, mg/kg	<0.3	<0.3	<0.3	<0.3
Vinyl Acetate, mg/kg	<0.3	<0.3	<0.3	<0.3
Vinyl Chloride, mg/kg	<0.3	<0.3	<0.3	<0.3
Total Xylene Isomers, mg/kg	<0.3	<0.3	<0.3	<0.3
SAMPLE LOCATION	Pond 2 SEC	Pond 2 SWC	West	Pond 2, NWC

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SOURCE: Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
VOLATILE ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	1	2	3	4	14	15	16	17	14A-1	14B-1	14C-1	14D-1	14E-1
SAMPLE DATE	12/84	12/84	12/84	12/84	12/84	12/84	12/84	12/84	06/85	06/85	06/85	06/85	06/85
SAMPLE MEDIUM	SS	SS	SS	SS	SS/SED	SS/SED	SS/SED	SS/SED	06/85	SS	SS	SS	SS
ORGANOCHLORINE PESTICIDES													
Acetone, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Acrolein, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acrylonitrile, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Bromodichloro-methane, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bromoform, mg/kg	0.010	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Bromomethane, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carbon Disulfide, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Carbon Tetrachloride, mg/kg	0.0094	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Chlorobenzene, mg/kg	0.093	N/A	N/A	N/A	N/A	N/A	0.012	N/A	N/A	N/A	N/A	N/A	N/A
Chloroethane, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Chloroethylvinylether, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chloroform, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chloromethane, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cis-1,2-Dichloroethene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cis-1,3-Dichloropropene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibromochloromethane, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,2-Dichlorobenzene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
1,3-Dichlorobenzene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
1,4-Dichlorbenzene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
1,1-Dichloroethane, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
1,2-Dichloroethane, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
1,1-Dichloroethene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
1,2-Dichloropropane, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethylbenzene, mg/kg	0.003TR	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Freon 113, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SAMPLE LOCATION	MCCC Plant SWC	MCCC Plant NW	MCCC Plant NWC	MCCC Plant SEC	Pond 6, East	Pond 1, 200 FT.W	Pond 3, 300 FT. W	Pond 6, West	Pond 5, East	Pond 4, East	Pond 3, East	Pond 2, East	Pond 1, East

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SOURCE: Converse, 1988

TABLE 2-1

HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
VOLATILE ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	1	2	3	4	14	15	16	17	14A-1	14B-1	14C-1	14D-1	14E-1
SAMPLE DATE	12/84	12/84	12/84	12/84	12/84	12/84	12/84	12/84	06/85	06/85	06/85	06/85	06/85
SAMPLE MEDIUM	SS	SS	SS	SS	SS/SED	SS/SED	SS/SED	SS/SED	06/85	SS	SS	SS	SS
2-Hexanone, mg/kg	ND	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Methylene Chloride, mg/kg	0.150	N/A	N/A	N/A	N/A	N/A	0.200	N/A	N/A	N/A	N/A	N/A	N/A
Methyl Ethyl Ketone, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methyl Isobutyl Ketone, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Styrene, mg/kg	0.022	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
1,1,2,2-Tetrachloroethane, mg/kg	0.050	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Tetrachloroethene, mg/kg	0.0031TR	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Toluene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Trans-1,2-Dichloroethene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Trans-1,3-Dichloropropene, mg/k	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
1,1,1-Trichloroethane, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
1,1,2-Trichloroethane, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Trichloroethene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	N/A
Trichlorofluoromethane, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vinyl Acetate, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Xylene Isomers, mg/kg	15	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A	.
SAMPLE LOCATION	MCCC Plant SWC	MCCC Plant NW	MCCC Plant NWC	MCCC Plant SEC	Pond 6, East	Pond 1, 200 FT.W.	Pond 3, 300 FT. W	Pond 6, West	Pond 5, East	Pond 4, East	Pond 3, East	Pond 2, East	Pond 1, East

SOURCE: Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
VOLATILE ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	14F-1	14F-1	3A-4	3A-5	3A-6
SAMPLE DATE	06/85	06/85	06/85	06/85	06/85
SAMPLE MEDIUM	SS	SUB.S	SS/SED	SS/SED	SS/SED
ORGANOCHLORINE PESTICIDES					
Acetone, mg/kg	N/D	N/D	180	N/A	N/A
Acrolein, mg/kg	N/A	N/A	N/A	N/A	N/A
Acrylonitrile, mg/kg	N/A	N/A	N/A	N/A	N/A
Benzene, mg/kg	N/D	N/D	N/D	N/D	N/D
Bromodichloro-methane, mg/kg	N/A	N/A	N/A	N/A	N/A
Bromoform, mg/kg	N/D	N/D	N/D	N/A	N/A
Bromomethane, mg/kg	N/A	N/A	N/A	N/A	N/A
Carbon Disulfide, mg/kg	N/D	N/D	N/D	N/A	N/A
Carbon Tetrachloride, mg/kg	N/D	N/D	N/D	N/A	N/A
Chlorobenzene, mg/kg	N/D	0.024	N/D	N/A	N/A
Chloroethane, mg/kg	N/D	N/D	N/D	N/A	N/A
2-Chloroethylvinylether, mg/kg	N/A	N/A	N/A	N/A	N/A
Chloroform, mg/kg	N/D	N/D	0.075	N/A	N/A
Chloromethane, mg/kg	N/A	N/A	N/A	N/A	N/A
Cis-1,2-Dichloroethene, mg/kg	N/A	N/A	N/A	N/A	N/A
Cis-1,3-Dichloropropene, mg/kg	N/A	N/A	N/A	N/A	N/A
Dibromochloromethane, mg/kg	N/A	N/A	N/A	N/A	N/A
1,2-Dichlorobenzene, mg/kg	N/D	33	N/D	N/A	N/A
1,3-Dichlorobenzene, mg/kg	N/D	N/D	N/D	N/A	N/A
1,4-Dichlorbenzene, mg/kg	N/D	30	N/D	N/A	N/A
1,1-Dichloroethane, mg/kg	N/D	N/D	N/D	N/A	N/A
1,2-Dichloroethane, mg/kg	N/D	N/D	N/D	N/A	N/A
1,1-Dichloroethene, mg/kg	N/D	N/D	N/D	N/A	N/A
1,2-Dichloropropane, mg/kg	N/A	N/A	N/A	N/A	N/A
Ethylbenzene, mg/kg	N/D	N/D	N/D	N/A	N/A
Freon 113, mg/kg	N/A	N/A	N/A	N/A	N/A
SAMPLE LOCATION	Tank Farm SEC	Tank Farm SEC	Pond 1, 200 FT. SW	Pond 3, 250 FT. W	Pond 4, 300 FT. NW

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SOURCE: Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
VOLATILE ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	14F-1	14F-1	3A-4	3A-5	3A-6
SAMPLE DATE	06/85	06/85	06/85	06/85	06/85
SAMPLE MEDIUM	SS	Sub.S	SS/SED	SS/SED	SS/SED
2-Hexanone, mg/kg	N/D	N/D	N/D	N/A	N/A
Methylene Chloride, mg/kg	N/D	N/D	N/D	N/A	N/A
MethylEthylKetone, g/kg	N/A	N/A	N/A	N/A	N/A
Methyl Isobutyl Ketone, mg/kg	N/A	N/A	N/A	N/A	N/A
Styrene, mg/kg	N/D	N/D	N/D	N/A	N/A
1,1,2,2-Tetrachloroethane, mg/kg	N/D	N/D	N/D	N/A	N/A
Tetrachloroethene, mg/kg	N/D	N/D	N/D	N/A	N/A
Toluene, mg/kg	N/D	N/D	75	N/A	N/A
Trans-1,2-Dichloroethene, mg/kg	N/A	N/A	N/A	N/A	N/A
Trans-1,3-Dichloropropene, mg/k	N/D	N/D	N/D	N/A	N/A
1,1,1-Trichloroethane, mg/kg	N/D	N/D	N/D	N/A	N/A
1,1,2-Trichloroethane, mg/kg	N/D	N/D	N/D	N/A	N/A
Trichloroethene, mg/kg	N/D	N/D	N/D	N/A	N/A
Trichlorofluoromethane, mg/kg	N/A	N/A	N/A	N/A	N/A
Vinyl Acetate, mg/kg	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride, mg/kg	N/A	N/A	N/A	N/A	N/A
Total Xylene Isomers, mg/kg	N/D	N/D	N/D	N/A	N/A
SAMPLE LOCATION	Tank Farm SEC	Tank Farm SEC	Pond 1, 200 FT. SW	Pond 3, 250 FT. W	Pond 4, 300 FT. NW

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SOURCE: Converse, 1988

TABLE 2-1

7/24/97

HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
BASE/NEUTRAL and ACID (SEMI-VOLATILE) ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	SE-1	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10	SC-1
SAMPLE DATE	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88
SAMPLE MEDIUM	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Acenaphthene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Aniline, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Aniline, mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Anthracene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzidine,mg/kg	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzo(a)anthracene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo (a) pyrene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo (b) fluoranthene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo (g,h,i) perylene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzoic Acid, mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzo (k) fluoranthene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzyl Alcohol, mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Bis(2-Chloroethoxy)Methane, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bis(2-Chloroethyl)Ether, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bis(2-Ethylhexyl)Phthalate, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bis (2-Chloroisopropyl)Ether, mg/k	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Bromophenylphenylether, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Butylbenzylphthalate, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chrysene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chloronapthalene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorophenol,l mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chloroaniline, mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4-Chlorophenylphenylether, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chloro-3-Methylphenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibenzo(a,h)anthracene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibenzofuran, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibutylphthalate, mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
3,3'-Dichlorobenzidine, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dichlorophenol,mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethylphthalate, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dimethylphenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SAMPLE LOCATION	0.5 Mi. SW of Ponds	Pond 5, NEC	Pond 5, NEC	Pond 5 SEC	Pond 5, South	Pond 5, SWC	Pond 5, SWC	Pond 5, NWC	Pond 5, NWC	Pond 5, North	Pond 5, NEC	Pond 2, NEC

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SOURCE: Converse, 1988

TABLE 2-1

7/24/97

HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
BASE/NEUTRAL and ACID (SEMI-VOLATILE) ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	SE-1	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10	SC-1
SAMPLE DATE	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88
SAMPLE MEDIUM	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Dimethylphthalate, mg/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2,4-Dinitrotoluene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dinitrophenol, mg/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
2,6-Dinitrotoluene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Di-n-octylphthalate, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Diphenylhydrazine, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoranthene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluorene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobenzene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobutadiene, mg/kg	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorocyclopentadiene, mg/kg	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloroethane, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Indeno(1,2,3-c) pyrene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isophorone, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Methyl-4,6-Dinitrophenol,mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Methylnaphthalene, mg/kg	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Methylphenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methylphenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Nitroaniline, mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
3-Nitroaniline, mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Nitroaniline, mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Nitrobenzene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Nitrophenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Nitrophenol, mg/kg	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N-Nitrosodimethylamine, mg/kg	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
N-Nitrosodi-n-propyl-amine, mg/kg	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
N-Nitrosodiphenylamine,mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Pentachlorophenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Phenanthrene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SAMPLE LOCATION	0.5 Mi. SW of Ponds	Pond 5, NEC	Pond 5, NEC	Pond 5, SEC	Pond 5, South	Pond 5, SWC	Pond 5, SWC	Pond 5, NWC	Pond 5, NWC	Pond 5, North	Pond 5, NEC	Pond 2, NEC

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SOURCE: Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
BASE/NEUTRAL and ACID (SEMI-VOLATILE) ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	SE-1	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10	SC-1
SAMPLE DATE	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88	04/88
SAMPLE MEDIUM	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Phenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Pyrene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4,5-Trichlorophenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4,6-Trichlorophenol,mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SAMPLE LOCATION	0.5 Mi. SW of Ponds	Pond 5, NEC	Pond 5, NEC	Pond 5, SEC	Pond 5, South	Pond 5, SWC	Pond 5, SWC	Pond 5, NWC	Pond 5, NWC	Pond 5, North	Pond 5, NEC	Pond 2, NEC

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SOURCE: Converse, 1988

TABLE 2-1

HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
BASE/NEUTRAL and ACID (SEMI-VOLATILE) ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	SC-2	SC-3	SC-4	SC-5	SC-6
SAMPLE DATE	04/88	04/88	04/88	04/88	04/88
SAMPLE MEDIUM	SS	SS	SS	SS	SS
Acenaphthene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Acenapthylene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Aniline, mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0
Anthracene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Benzidine,mg/kg	<4.0	<4.0	<4.0	<4.0	<4.0
Benzo(a)anthracene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo (a) pyrene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo (b) fluoranthene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo (g,h,i) perylene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Benzoic Acid, mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0
Benzo (k) fluoranthene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Benzyl Alcohol, mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0
Bis(2-Chloroethoxy)Methane, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Bis(2-Chloroethyl)Ether, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Bis (2-Chloroisopropyl)Ether, mg/k	<1.0	<1.0	<1.0	<1.0	<1.0
Bis(2-Ethylhexyl)Phthalate, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
4-Bromophenylphenylether, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Butylbenzylphthalate, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Chrysene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chloronapthalene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorophenol,1 mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chloroaniline, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorophenylphenylether, mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0
4-Chloro-3-Methylphenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Dibenzo(a,h)anthracene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Dibenzofuran, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Dibutylphthalate, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
3,3'-Dichlorobenzidine, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dichlorophenol,mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Diethylphthalate, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Dimethylphenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
SAMPLE LOCATION	Pond 2, East	Pond 2, SEC	Pond 2, SWC	Pond 2, West	Pond 2, NWC

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SOURCE: Converse, 1988

TABLE 2-1

HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
BASE/NEUTRAL and ACID (SEMI-VOLATILE) ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	SC-2	SC-3	SC-4	SC-5	SC-6
SAMPLE DATE	04/88	04/88	04/88	04/88	04/88
SAMPLE MEDIUM	SS	SS	SS	SS	SS
Dimethylphthalate, mg/kg	<3.0	<3.0	<3.0	<3.0	<3.0
2,4-Dinitrotoluene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
2,6-Dinitrotoluene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Di-n-octylphthalate, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Diphenylhydrazine, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoranthene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Fluorene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobenzene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobutadiene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorocyclopentadiene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloroethane, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Indeno(1,2,3-c) pyrene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Isophorone, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
2-Methyl-4,6-Dinitrophenol,mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0
2-Methylnaphthalene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
2-Methylphenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methylphenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
2-Nitroaniline, mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0
3-Nitroaniline, mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0
4-Nitroaniline, mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0
Nitrobenzene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
2-Nitrophenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
4-Nitrophenol, mg/kg	<3.0	<3.0	<3.0	<3.0	<3.0
N-Nitrosodimethylamine, mg/kg	<8.0	<8.0	<8.0	<8.0	<8.0
N-Nitrosodi-n-propyl-amine, mg/kg	<4.0	<4.0	<4.0	<4.0	<4.0
N-Nitrosodiphenylamine,mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Pentachlorophenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Phenanthrene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
SAMPLE LOCATION	Pond 2, East	Pond 2, SEC	Pond 2, SWC	Pond 2, West	Pond 2, NWC

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SOURCE: Converse, 1988

TABLE 2-1

HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
BASE/NEUTRAL and ACID (SEMI-VOLATILE) ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	SC-2	SC-3	SC-4	SC-5	SC-6
SAMPLE DATE	04/88	04/88	04/88	04/88	04/88
SAMPLE MEDIUM	SS	SS	SS	SS	SS
Phenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Pyrene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
2,4,5-Trichlorophenol, mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
2,4,6-Trichlorophenol,mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
SAMPLE LOCATION	Pond 2, East	Pond 2, SEC	Pond 2, SWC	West	Pond 2, NWC

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SOURCE: Converse, 1988

TABLE 2-1

7/24/97

HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
BASE/NEUTRAL and ACID (SEMI-VOLATILE) ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	1	2	3	4	14	15	16	17	14A-1	14B-1	14C-1	14D-1
SAMPLE DATE	12/84	12/84	12/84	12/84	12/84	12/84	12/84	12/84	06/85	06/85	06/85	06/85
SAMPLE MEDIUM	SS	SS	SS	SS	SS/SED	SS/SED	SS/SED	SS/SED	SS	SS	SS	SS
Acenaphthylene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acenaphthylene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aniline, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aniline, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anthracene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/D	N/D
Benzidine,mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(a)anthracene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/D	N/D
Benzo (a) pyrene, mg/kg	2.7TR	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/D	N/D
Benzo (b) fluoranthene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
Benzo (g,h,i) perylene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
Benzoic Acid, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
Benzo (k) fluoranthene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzyl Alcohol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bis(2-Chloroethoxy)Methane, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bis(2-Chloroethyl)Ether, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bis (2-Chloroisopropyl)Ether, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bis (2-Ethylhexyl)Phthalate, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
4-Bromophenylphenylether, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Butylbenzylphthalate, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chrysene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
2-Chloronapthalene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Chlorophenol,l mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
4-Chloroaniline, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Chlorophenylphenylether, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Chloro-3-Methylphenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibenzo(a,h)anthracene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibenzofuran, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibutylphthalate, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dichlorophenol,mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
Diethylphthalate, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dimethylphenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SAMPLE LOCATION	MCCC Plant, SWC	MCCC Plant, NW	MCCC Plant, NWC	MCCC Plant, SEC	Pond 6, East	Pond 1, 200 FT. West	Pond 3, 300 FT. West	Pond 6, West	Pond 5, East	Pond 4, East	Pond 3, East	Pond 2, East

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SOURCE: Converse, 1988

TABLE 2-1

7/24/97

HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
BASE/NEUTRAL and ACID (SEMI-VOLATILE) ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	1	2	3	4	14	15	16	17	14A-1	14B-1	14C-1	14D-1
SAMPLE DATE	12/84	12/84	12/84	12/84	12/84	12/84	12/84	12/84	0685	0685	0685	0685
SAMPLE MEDIUM	SS	SS	SS	SS	SS/SED	SS/SED	SS/SED	SS/SED	SS	SS	SS	SS
Dimethylphthalate, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrophenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Di-n-octylphthalate, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
1,2-Diphenylhydrazine, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fluoranthene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
Fluorene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene, mg/kg	3.6TR	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
Hexachlorobutadiene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hexachlorocyclopentadiene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hexachloroethane, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Indeno(1,2,3-c) pyrene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
Isophorone, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Methyl-4,6-Dinitrophenol,mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Methylnaphthalene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
2-Methylphenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Methylphenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Naphthalene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Nitroaniline, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3-Nitroaniline, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Nitroaniline, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
2-Nitrophenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Nitrophenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosodimethylamine, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosodi-n-propyl-amine, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosodiphenylamine,mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pentachlorophenol, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
Phenanthrene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
SAMPLE LOCATION	MCCC Plant, SWC	MCCC Plant, NW	MCCC Plant, NWC	MCCC Plant, SEC	Pond 6, East	Pond 1, 200 FT. West	Pond 3, 300 FT. West	Pond 6, West	Pond 5, East	Pond 4, East	Pond 3, East	Pond 2, East

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SOURCE: Converse, 1988

TABLE 2-1

HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
BASE/NEUTRAL and ACID (SEMI-VOLATILE) ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	1	2	3	4	14	15	16	17	14A-1	14B-1	14C-1	14D-1
SAMPLE DATE	12/84	12/84	12/84	12/84	12/84	12/84	12/84	12/84	06/85	06/85	06/85	06/85
SAMPLE MEDIUM	SS	SS	SS	SS	SS/SED	SS/SED	SS/SED	SS/SED	SS	SS	SS	SS
Phenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pyrene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
1,2,4-Trichlorobenzene, mg/kg	N/D	N/A	N/A	N/A	N/A	N/A	N/D	N/A	N/A	N/A	N/A	N/A
2,4,5-Trichlorophenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4,6-Trichlorophenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SAMPLE LOCATION	MCCC Plant, SWC	MCCC Plant, NW	MCCC Plant, NWC	MCCC Plant, SEC	Pond 6, East	Pond 1, 200 FT. West	Pond 3, 300 FT. West	Pond 6, West	Pond 5, East	Pond 4, East	Pond 3, East	Pond 2, East

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SOURCE: Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
BASE/NEUTRAL and ACID (SEMI-VOLATILE) ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NUMBER	14E-1	14F-1	14F-1	3A-4	3A-5	3A-6
SAMPLE DATE	06/85	06/85	06/85	06/85	06/85	06/85
SAMPLE MEDIUM	SS	SS	SubS	SS/SED	SS/SED	SS/SED
Acenaphthene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Acenapthylene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Aniline, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Anthracene, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
Benzidine,mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(a)anthracene, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
Benzo (a) pyrene, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
Benzo (b) fluoranthene, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
Benzo (g,h,i) perylene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Benzoic Acid, mg/kg	N/A	N/D	260	N/D	N/A	N/A
Benzo (k) fluornathene, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
Benzyl Alcohol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Bis(2-Chloroethoxy)Methane, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Bis(2-Chloroethyl)Ether, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Bis (2-Chloroisopropyl)Ether, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Bis (2-Ethylhexyl)Phthalate, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
4-Bromophenylphenylether, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Butylbenzylphthalate, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Chrysene, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
2-Chloronapthalene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
2-Chlorophenol,l mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
4-Chloroaniline, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
4-Chlorophenylphenylether, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
4-Chloro-3-Methylphenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Dibenzo(a,h)anthracene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Dibenzofuran, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Dibutylphthalate, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
3,3'-Dichlorobenzidine, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dichlorophenol,mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
Diethylphthalate, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dimethylphenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
SAMPLE LOCATION	Pond 1, East	Tank Farm SEC	Tank Farm SEC	Pond 1, 200 FT. SW	Pond 3, 250 FT. West	Pond 4, 300 FT. NW

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SOURCE: Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
BASE/NEUTRAL and ACID (SEMI-VOLATILE) ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NO.	14E-1	14F-1	14F-1	3A-4	3A-5	3A-6
SAMPLE DATE	06/85	06/85	06/85	06/85	06/85	06/85
SAMPLE MEDIUM	SS	SS	SubS	SS/SED	SS/SED	SS/SED
Dimethylphthalate, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
2,4-Dinitrophenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Di-n-octylphthalate, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
1,2-Diphenylhydrazine, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Fluoranthene, mg/kg	N/A	N/D	N/D	ND	N/A	N/A
Fluorene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
Hexachlorobutadiene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Hexachlorocyclopentadiene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Hexachloroethane, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Indeno(1,2,3-c) pyrene, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
Isophorone, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
2-Methyl-4,6-Dinitrophenol,mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
2-Methylnaphthalene, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
2-Methylphenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
4-Methylphenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Naphthalene, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
2-Nitroaniline, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
3-Nitroaniline, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
4-Nitroaniline, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
2-Nitrophenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
4-Nitrophenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosodimethylamine, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosodi-n-propyl-amine, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosodiphenylamine,mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Pentachlorophenol, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
Phenanthrene, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
SAMPLE LOCATION	Pond 1, East	Tank Farm, SEC	Tank Farm, SEC	Pond 1, 200 FT. SW	Pond 3, 250 FT. W	Pond 4, 300 FT.NW

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SOURCE: Converse, 1988

TABLE 2-1
HISTORICAL SUMMARY OF SOIL AND SEDIMENT SAMPLING
BASE/NEUTRAL and ACID (SEMI-VOLATILE) ORGANIC COMPOUNDS
FORMER MONTROSE FACILITY
HENDERSON, NEVADA
SECOR JOB NO. M0071-001-01

SAMPLE NO.	14E-1	14F-1	14F-1	3A-4	3A-5	3A-6
SAMPLE DATE	06/85	06/85	06/85	06/85	06/85	06/85
SAMPLE MEDIUM	SS	SS	SubS	SS/SED	SS/SED	SS/SED
Phenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
Pyrene, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
1,2,4-Trichlorobenzene, mg/kg	N/A	N/D	N/D	N/D	N/A	N/A
2,4,5-Trichlorophenol, mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
2,4,6-Trichlorophenol,mg/kg	N/A	N/A	N/A	N/A	N/A	N/A
SAMPLE LOCATION	Pond 1, East	Tank Farm, SEC	Tank Farm, SEC	Pond 1, 200 FT. SW	Pond 3, 250 FT. W	Pond 4, 300 FT.NW

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SOURCE: Converse, 1988

TABLE 2-2

SUMMARY OF ECI ANALYTICAL RESULTS
MONTROSE PROCESS SEWERS TO PONDS
HENDERSON, NEVADA

	BORING	PSS-1			PSS-2		PSS-3	
TARGET CHEMICAL	DEPTH(ft)	5-6	9-10	9-10D	5-6	9-10	9-10	9-10D
VOLATILES								
BENZENE		ND	ND	ND	ND	0.013	ND	ND
MONOCHLOROBENZENE		ND	ND	ND	2.0	0.013	ND	ND
1,2-DICHLOROBENZENE		0.013	0.0054	0.0052	0.7	ND	ND	ND
1,3-DICHLOROBENZENE		ND	ND	ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE		0.0059	0.0071	0.0053	2.2	0.0076	0.0079	0.0072
1,2,3-TRICHLOROBENZENE		ND	ND	ND	ND	0.014	ND	ND
1,2,4-TRICHLOROBENZENE		0.0088	ND	ND	0.51	0.0073	ND	ND
CHLOROFORM		0.015	ND	ND	ND	0.0092	ND	ND
CARBON TETRACHLORIDE		ND	ND	ND	ND	ND	ND	ND
SEMI-VOLATILES								
TETRACHLOROBENZENE		ND	ND	ND	ND	ND	ND	ND
PENTACHLOROBENZENE		ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBENZENE		ND	ND	ND	ND	ND	ND	ND
DICHLOROBENZIL		NDUJ	NDUJ	NDUJ	NDUJ	NDUJ	3.8J	2.0J
ACETALDEHYDE		ND	ND	ND	ND	ND	ND	ND
CHLOROACETALDEHYDE		ND	ND	ND	ND	ND	ND	ND
DICHLOROACETALDEHYDE		ND	ND	ND	ND	ND	ND	ND
CHLORAL		ND	ND	ND	ND	ND	ND	ND
PESTICIDES/PCBs								
DDT		0.0065	0.0046	0.0058	0.12	0.021	ND	ND
DDD		ND	ND	ND	0.039	ND	ND	ND
DDE		0.0045	ND	ND	0.074	ND	ND	ND
PCB (1254)		ND	ND	ND	ND	ND	ND	ND
INORGANICS								
CHLORIDE		290	120		93	64	41	
SULFATE		57	27		36	29	27	
pH		9.2	8.8	8.8	5.1	5.1	9.3	9.2

Notes: All results (except pH) in milligrams per kilogram.
ND= Compound was not detected.
Blank space= Analysis was not performed.

J = Estimated concentration
NDUJ = Non-detect, estimated concentration

SOURCE: Secor, 1997

Table 2-3
Summary of Soil Physical Property Results
Former Montrose Closed Ponds Area, Henderson, Nevada

Sample ID	"Water-Bearing Zone"	"Underlying Sediments"
Sample Depth	50 - 60 feet bgs	70 feet bgs
Moisture Content	32%	65%
Dry Density	89 lbs. per cubic foot	56 lbs. per cubic foot
Specific Gravity	2.59	2.55
Total Organic Carbon (TOC)	<0.07%	<0.05%
Soil Type	SAND with Silt and Gravel	SILT with Sand and Gravel

Source: SECOR, 1997. Phase II Environmental Conditions Investigation, Henderson, Nevada

Table 2-4
Soil Analytical Results
Closed Ponds Area
Former Montrose Henderson Facility

Sample Designation	Date Sampled	CLFM mg/Kg	Benzene mg/Kg	MCB mg/Kg	1,2-DCB mg/Kg	1,3-DCB mg/Kg	1,4-DCB mg/Kg	HCB mg/Kg	DCBNZ mg/Kg	BHCa mg/Kg	BHCg mg/Kg	DLDRN mg/Kg	DDT mg/Kg
CP-1-90	09/20/00	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.66	<0.66	<0.0017	<0.0017	<0.0033	<0.0033
CP-1-100	09/21/00	<75	<75	6,300	3,800	220	4,900	3.6	<63	1.7	1.1	<1.7	<1.7
CP-1-110	09/22/00	<0.02	<0.02	0.23	1.1	0.055	1.4	<0.66	<0.66	<1.7	<1.7	<0.0033	<0.0033
CP-1-128	09/22/00	<0.02	<0.02	<0.02	0.029	<0.02	<0.02	<0.66	<0.66	<1.7	<1.7	<0.0033	<0.0033

Notes:

mg/Kg - milligrams per kilogram, equivalent to parts per million
CLFM - chloroform
MCB - monochlorobenzene
1,2-DCB - 1,2-dichlorobenzene
1,3-DCB - 1,3-dichlorobenzene
1,4-DCB - 1,4-dichlorobenzene
HCB - hexachlorobenzene
DCBNZ - dichlorobenzil
BHCa - alpha-isomer of benzene hexachloride
BHCg - gamma-isomer of benzene hexachloride
DDT - 4,4-DDT - 4,4-dichlorodiphenyltrichloroethane
DLDRN - dieldrin

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	RB-05	10/02/06	1	2,2'-DICHLOROBIPHENYL	0.000844	mg/kg
PCB	RB-05	10/02/06	1	2,3'-DICHLOROBIPHENYL	0.000429	mg/kg
PCB	RB-05	10/02/06	1	2,4'-DICHLOROBIPHENYL	0.00131	mg/kg
PCB	RB-05	10/02/06	1	2,4-DICHLOROBIPHENYL	1.88e-005	mg/kg
PCB	RB-05	10/02/06	1	2,5-DICHLOROBIPHENYL	7.15e-005	mg/kg
PCB	RB-05	10/02/06	1	2,6-DICHLOROBIPHENYL	1.82e-005	mg/kg
PCB	RB-05	10/02/06	1	3,3'-DICHLOROBIPHENYL	0.000129	mg/kg
PCB	RB-05	10/02/06	1	3,4 & 3,4'-DICHLOROBIPHENYL	0.00111	mg/kg
PCB	RB-05	10/02/06	1	3,5-DICHLOROBIPHENYL	3e-006	mg/kg
PCB	RB-05	10/02/06	1	4,4'-DICHLOROBIPHENYL	0.00112	mg/kg
PCB	RB-05	10/02/06	1	PCB 077	9e-006	mg/kg
PCB	RB-05	10/02/06	1	PCB 105	0.00044	mg/kg
PCB	RB-05	10/02/06	1	PCB 114	2.59e-005	mg/kg
PCB	RB-05	10/02/06	1	PCB 118	0.00115	mg/kg
PCB	RB-05	10/02/06	1	PCB 123	2.1e-005	mg/kg
PCB	RB-05	10/02/06	1	PCB 126	2.32e-006	mg/kg
PCB	RB-05	10/02/06	1	PCB 156 & 157	0.00019	mg/kg
PCB	RB-05	10/02/06	1	PCB 167	5.53e-005	mg/kg
PCB	RB-05	10/02/06	1	PCB 189	6.57e-006	mg/kg
PCB	RB-05	10/02/06	10	3,4 & 3,4'-DICHLOROBIPHENYL	9.1e-006	mg/kg
PCB	RB-05	10/02/06	10	PCB 105	5.83e-006	mg/kg
PCB	RB-05	10/02/06	10	PCB 118	1.45e-005	mg/kg
PCB	RB-05	10/02/06	10	PCB 156 & 157	4.4e-006	mg/kg
PCB	RB-05	10/02/06	10	PCB 167	1.47e-006	mg/kg
PCB	RB-05	10/02/06	10	PCB 189	4.9e-007	mg/kg
PCB	RB-05	10/02/06	20	2,2'-DICHLOROBIPHENYL	1.57e-005	mg/kg
PCB	RB-05	10/02/06	20	2,3'-DICHLOROBIPHENYL	2.29e-005	mg/kg
PCB	RB-05	10/02/06	20	2,4'-DICHLOROBIPHENYL	3.21e-005	mg/kg
PCB	RB-05	10/02/06	20	2,5-DICHLOROBIPHENYL	6.5e-006	mg/kg
PCB	RB-05	10/02/06	20	3,3'-DICHLOROBIPHENYL	1.98e-005	mg/kg
PCB	RB-05	10/02/06	20	3,4 & 3,4'-DICHLOROBIPHENYL	2.87e-005	mg/kg
PCB	RB-05	10/02/06	20	4,4'-DICHLOROBIPHENYL	1.19e-005	mg/kg
PCB	RB-05	10/02/06	20	PCB 077	1.7e-006	mg/kg
PCB	RB-05	10/02/06	20	PCB 105	5.7e-005	mg/kg
PCB	RB-05	10/02/06	20	PCB 118	0.000134	mg/kg
PCB	RB-05	10/02/06	20	PCB 156 & 157	2.57e-005	mg/kg
PCB	RB-05	10/02/06	20	PCB 167	7.44e-006	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	RB-05	10/02/06	20	PCB 189	1.13e-006	mg/kg
PCB	RB-05	10/02/06	30	PCB 105	8.2e-007	mg/kg
PCB	RB-05	10/02/06	40	PCB 156 & 157	1.22e-006	mg/kg
PCB	RB-05	10/02/06	40	PCB 167	5.9e-007	mg/kg
PCB	RB-05	10/02/06	60	2,2'-DICHLOROBIPHENYL	6.1e-006	mg/kg
PCB	RB-05	10/02/06	60	2,3'-DICHLOROBIPHENYL	5.9e-006	mg/kg
PCB	RB-05	10/02/06	60	2,4'-DICHLOROBIPHENYL	1.1e-005	mg/kg
PCB	RB-05	10/02/06	60	PCB 105	1.68e-006	mg/kg
PCB	RB-05	10/02/06	70	2,3'-DICHLOROBIPHENYL	6.4e-006	mg/kg
PCB	RB-05	10/02/06	70	2,4'-DICHLOROBIPHENYL	5e-006	mg/kg
PCB	RB-05	10/02/06	70	3,3'-DICHLOROBIPHENYL	3e-005	mg/kg
PCB	RB-05	10/03/06	80	3,3'-DICHLOROBIPHENYL	1.96e-005	mg/kg
PCB	RB-05	10/03/06	80	PCB 105	1.4e-006	mg/kg
PCB	RB-05	10/03/06	80	PCB 118	3.9e-006	mg/kg
PCB	RB-05	10/03/06	80	PCB 156 & 157	1.72e-006	mg/kg
PCB	RB-05	10/03/06	90	3,3'-DICHLOROBIPHENYL	6.7e-006	mg/kg
PCB	RB-05	10/03/06	90	PCB 105	9.6e-007	mg/kg
PCB	RB-05	10/03/06	90	PCB 118	3.13e-006	mg/kg
PCB	RB-05	10/03/06	90	PCB 156 & 157	1.34e-006	mg/kg
PCB	RB-05	10/03/06	90	PCB 167	6.8e-007	mg/kg
PCB	RB-05	10/03/06	100	3,3'-DICHLOROBIPHENYL	7.2e-006	mg/kg
PCB	RB-05	10/03/06	100	3,4 & 3,4'-DICHLOROBIPHENYL	3.8e-006	mg/kg
PCB	RB-05	10/03/06	100	PCB 105	1.89e-006	mg/kg
PCB	RB-05	10/03/06	100	PCB 118	5.51e-006	mg/kg
PCB	RB-05	10/03/06	100	PCB 156 & 157	1.81e-006	mg/kg
PCB	RB-05	10/03/06	100	PCB 167	7.7e-007	mg/kg
PCB	RB-05	10/03/06	110	2,5-DICHLOROBIPHENYL	3.2e-006	mg/kg
PCB	RB-05	10/03/06	110	3,3'-DICHLOROBIPHENYL	5e-006	mg/kg
PCB	RB-05	10/03/06	110	PCB 118	3.5e-006	mg/kg
PCB	RB-05	10/03/06	110	PCB 156 & 157	1.52e-006	mg/kg
PCB	RB-05	10/03/06	120	3,3'-DICHLOROBIPHENYL	7.2e-006	mg/kg
PCB	RB-05	10/03/06	120	PCB 118	3.8e-006	mg/kg
PCB	RB-05	10/03/06	130	2,3-DICHLOROBIPHENYL	5.3e-006	mg/kg
PCB	RB-05	10/03/06	130	2,5-DICHLOROBIPHENYL	1.27e-005	mg/kg
PCB	RB-05	10/03/06	130	3,3'-DICHLOROBIPHENYL	1.06e-005	mg/kg
PCB	RB-05	10/03/06	130	3,4 & 3,4'-DICHLOROBIPHENYL	1.7e-005	mg/kg
PCB	RB-05	10/03/06	130	4,4'-DICHLOROBIPHENYL	5.7e-006	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	RB-05	10/03/06	130	PCB 118	3.3e-006	mg/kg
PCB	RB-05	10/03/06	130	PCB 156 & 157	1.13e-006	mg/kg
PCB	RB-05	10/03/06	140	3,3'-DICHLOROBIPHENYL	5.2e-006	mg/kg
PCB	RB-05	10/03/06	140	PCB 105	1.15e-006	mg/kg
PCB	RB-05	10/03/06	140	PCB 118	3.23e-006	mg/kg
PCB	RB-05	10/03/06	140	PCB 167	5.2e-007	mg/kg
PCB	RB-06	10/04/06	60	2,2'-DICHLOROBIPHENYL	4.53e-005	mg/kg
PCB	RB-06	10/04/06	60	2,3'-DICHLOROBIPHENYL	5.43e-005	mg/kg
PCB	RB-06	10/04/06	60	2,3-DICHLOROBIPHENYL	5.61e-005	mg/kg
PCB	RB-06	10/04/06	60	2,4'-DICHLOROBIPHENYL	5.58e-005	mg/kg
PCB	RB-06	10/04/06	60	2,5-DICHLOROBIPHENYL	0.000136	mg/kg
PCB	RB-06	10/04/06	60	3,3'-DICHLOROBIPHENYL	5.81e-005	mg/kg
PCB	RB-06	10/04/06	60	3,4 & 3,4'-DICHLOROBIPHENYL	3e-005	mg/kg
PCB	RB-06	10/04/06	60	PCB 077	2.7e-006	mg/kg
PCB	RB-06	10/04/06	70	2,2'-DICHLOROBIPHENYL	4.08e-005	mg/kg
PCB	RB-06	10/04/06	70	2,3'-DICHLOROBIPHENYL	0.00036	mg/kg
PCB	RB-06	10/04/06	70	2,3-DICHLOROBIPHENYL	0.000708	mg/kg
PCB	RB-06	10/04/06	70	2,4'-DICHLOROBIPHENYL	5.21e-005	mg/kg
PCB	RB-06	10/04/06	70	2,5-DICHLOROBIPHENYL	0.00177	mg/kg
PCB	RB-06	10/04/06	70	3,3'-DICHLOROBIPHENYL	0.00143	mg/kg
PCB	RB-06	10/04/06	70	3,4 & 3,4'-DICHLOROBIPHENYL	0.000269	mg/kg
PCB	RB-06	10/04/06	70	3,5-DICHLOROBIPHENYL	3.38e-005	mg/kg
PCB	RB-06	10/04/06	70	4,4'-DICHLOROBIPHENYL	1.55e-005	mg/kg
PCB	RB-06	10/04/06	70	PCB 077	8.7e-006	mg/kg
PCB	RB-06	10/04/06	80	2,2'-DICHLOROBIPHENYL	0.000211	mg/kg
PCB	RB-06	10/04/06	80	2,3'-DICHLOROBIPHENYL	0.000113	mg/kg
PCB	RB-06	10/04/06	80	2,3-DICHLOROBIPHENYL	3.79e-005	mg/kg
PCB	RB-06	10/04/06	80	2,4'-DICHLOROBIPHENYL	0.000172	mg/kg
PCB	RB-06	10/04/06	80	2,4-DICHLOROBIPHENYL	9e-006	mg/kg
PCB	RB-06	10/04/06	80	2,5-DICHLOROBIPHENYL	0.000105	mg/kg
PCB	RB-06	10/04/06	80	3,3'-DICHLOROBIPHENYL	7.48e-005	mg/kg
PCB	RB-06	10/04/06	80	3,4 & 3,4'-DICHLOROBIPHENYL	2.89e-005	mg/kg
PCB	RB-06	10/04/06	90	2,2'-DICHLOROBIPHENYL	0.000587	mg/kg
PCB	RB-06	10/04/06	90	2,3'-DICHLOROBIPHENYL	0.000308	mg/kg
PCB	RB-06	10/04/06	90	2,3-DICHLOROBIPHENYL	9.16e-005	mg/kg
PCB	RB-06	10/04/06	90	2,4'-DICHLOROBIPHENYL	0.000544	mg/kg
PCB	RB-06	10/04/06	90	2,5-DICHLOROBIPHENYL	0.000384	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	RB-06	10/04/06	90	2,6-DICHLOROBIPHENYL	1.14e-005	mg/kg
PCB	RB-06	10/04/06	90	3,3'-DICHLOROBIPHENYL	7.43e-005	mg/kg
PCB	RB-06	10/04/06	90	3,4 & 3,4'-DICHLOROBIPHENYL	0.000104	mg/kg
PCB	RB-06	10/04/06	90	4,4'-DICHLOROBIPHENYL	2.94e-005	mg/kg
PCB	RB-06	10/04/06	100	2,2'-DICHLOROBIPHENYL	6.52e-005	mg/kg
PCB	RB-06	10/04/06	100	2,3'-DICHLOROBIPHENYL	4.27e-005	mg/kg
PCB	RB-06	10/04/06	100	2,3-DICHLOROBIPHENYL	1.83e-005	mg/kg
PCB	RB-06	10/04/06	100	2,4'-DICHLOROBIPHENYL	8.71e-005	mg/kg
PCB	RB-06	10/04/06	100	2,5-DICHLOROBIPHENYL	6.44e-005	mg/kg
PCB	RB-06	10/04/06	100	3,3'-DICHLOROBIPHENYL	2.29e-005	mg/kg
PCB	RB-06	10/04/06	100	3,4 & 3,4'-DICHLOROBIPHENYL	3.39e-005	mg/kg
PCB	RB-06	10/04/06	100	4,4'-DICHLOROBIPHENYL	1.37e-005	mg/kg
PCB	RB-06	10/04/06	101	2,2'-DICHLOROBIPHENYL	0.0635	mg/kg
PCB	RB-06	10/04/06	101	2,3'-DICHLOROBIPHENYL	0.0498	mg/kg
PCB	RB-06	10/04/06	101	2,3-DICHLOROBIPHENYL	0.0153	mg/kg
PCB	RB-06	10/04/06	101	2,4'-DICHLOROBIPHENYL	0.0804	mg/kg
PCB	RB-06	10/04/06	101	2,4-DICHLOROBIPHENYL	0.00386	mg/kg
PCB	RB-06	10/04/06	101	2,5-DICHLOROBIPHENYL	0.0665	mg/kg
PCB	RB-06	10/04/06	101	2,6-DICHLOROBIPHENYL	0.0014	mg/kg
PCB	RB-06	10/04/06	101	3,3'-DICHLOROBIPHENYL	0.00555	mg/kg
PCB	RB-06	10/04/06	101	3,4 & 3,4'-DICHLOROBIPHENYL	0.0377	mg/kg
PCB	RB-06	10/04/06	101	3,5-DICHLOROBIPHENYL	0.000989	mg/kg
PCB	RB-06	10/04/06	101	4,4'-DICHLOROBIPHENYL	0.00973	mg/kg
PCB	RB-06	10/04/06	101	PCB 077	0.000337	mg/kg
PCB	RB-06	10/04/06	101	PCB 081	5.76e-005	mg/kg
PCB	RB-06	10/04/06	101	PCB 114	0.000187	mg/kg
PCB	RB-06	10/04/06	101	PCB 118	0.00263	mg/kg
PCB	RB-06	10/04/06	101	PCB 123	0.000112	mg/kg
PCB	RB-06	10/04/06	101	PCB 126	4.04e-005	mg/kg
PCB	RB-06	10/04/06	101	PCB 156 & 157	0.000557	mg/kg
PCB	RB-06	10/04/06	101	PCB 167	0.000195	mg/kg
PCB	RB-06	10/04/06	101	PCB 169	2.17e-005	mg/kg
PCB	RB-06	10/04/06	101	PCB 189	5.82e-005	mg/kg
PCB	RB-06	10/04/06	110	2,2'-DICHLOROBIPHENYL	0.00867	mg/kg
PCB	RB-06	10/04/06	110	2,3'-DICHLOROBIPHENYL	0.00958	mg/kg
PCB	RB-06	10/04/06	110	2,3-DICHLOROBIPHENYL	0.00108	mg/kg
PCB	RB-06	10/04/06	110	2,4'-DICHLOROBIPHENYL	0.0118	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	RB-06	10/04/06	110	2,4-DICHLOROBIPHENYL	0.000437	mg/kg
PCB	RB-06	10/04/06	110	2,5-DICHLOROBIPHENYL	0.00263	mg/kg
PCB	RB-06	10/04/06	110	2,6-DICHLOROBIPHENYL	6.2e-005	mg/kg
PCB	RB-06	10/04/06	110	3,3'-DICHLOROBIPHENYL	0.00156	mg/kg
PCB	RB-06	10/04/06	110	3,4 & 3,4'-DICHLOROBIPHENYL	0.00851	mg/kg
PCB	RB-06	10/04/06	110	3,5-DICHLOROBIPHENYL	7.79e-005	mg/kg
PCB	RB-06	10/04/06	110	4,4'-DICHLOROBIPHENYL	0.000828	mg/kg
PCB	RB-06	10/04/06	110	PCB 077	1.9e-005	mg/kg
PCB	RB-06	10/04/06	110	PCB 114	1.15e-005	mg/kg
PCB	RB-06	10/04/06	110	PCB 118	0.000192	mg/kg
PCB	RB-06	10/04/06	110	PCB 123	6e-006	mg/kg
PCB	RB-06	10/04/06	110	PCB 156 & 157	3.9e-005	mg/kg
PCB	RB-06	10/04/06	110	PCB 167	1.43e-005	mg/kg
PCB	RB-06	10/05/06	120	2,2'-DICHLOROBIPHENYL	5.4e-006	mg/kg
PCB	RB-06	10/05/06	120	2,3'-DICHLOROBIPHENYL	7.6e-006	mg/kg
PCB	RB-06	10/05/06	120	2,4'-DICHLOROBIPHENYL	1.55e-005	mg/kg
PCB	RB-06	10/05/06	120	2,5-DICHLOROBIPHENYL	5.6e-006	mg/kg
PCB	RB-06	10/05/06	120	3,3'-DICHLOROBIPHENYL	1.11e-005	mg/kg
PCB	RB-06	10/05/06	120	3,4 & 3,4'-DICHLOROBIPHENYL	1.97e-005	mg/kg
PCB	RB-06	10/05/06	120	PCB 156 & 157	1.48e-006	mg/kg
PCB	RB-06	10/05/06	120	PCB 167	7e-007	mg/kg
PCB	RB-06	10/05/06	130	2,2'-DICHLOROBIPHENYL	1.22e-005	mg/kg
PCB	RB-06	10/05/06	130	2,3'-DICHLOROBIPHENYL	9.2e-006	mg/kg
PCB	RB-06	10/05/06	130	2,4'-DICHLOROBIPHENYL	1.49e-005	mg/kg
PCB	RB-06	10/05/06	130	2,5-DICHLOROBIPHENYL	7.6e-006	mg/kg
PCB	RB-06	10/05/06	130	3,3'-DICHLOROBIPHENYL	1.07e-005	mg/kg
PCB	RB-06	10/05/06	130	3,4 & 3,4'-DICHLOROBIPHENYL	1.01e-005	mg/kg
PCB	RB-06	10/05/06	130	PCB 156 & 157	1.48e-006	mg/kg
PCB	RB-06	10/05/06	130	PCB 167	4.8e-007	mg/kg
PCB	RB-06	10/05/06	140	3,3'-DICHLOROBIPHENYL	5.6e-006	mg/kg
PCB	RB-06	10/05/06	140	PCB 105	1.26e-006	mg/kg
PCB	RB-06	10/05/06	140	PCB 156 & 157	8.9e-007	mg/kg
PCB	RB-06	10/05/06	150	PCB 105	7.6e-007	mg/kg
PCB	RB-06	10/05/06	150	PCB 167	4.4e-007	mg/kg
PCB	RB-07	10/09/06	10	PCB 105	6.6e-007	mg/kg
PCB	RB-07	10/09/06	10	PCB 156 & 157	9.6e-007	mg/kg
PCB	RB-07	10/09/06	10	PCB 167	4.2e-007	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	RB-07	10/09/06	40	2,2'-DICHLOROBIPHENYL	2.73e-005	mg/kg
PCB	RB-07	10/09/06	40	2,3'-DICHLOROBIPHENYL	3.08e-005	mg/kg
PCB	RB-07	10/09/06	40	2,3-DICHLOROBIPHENYL	6.1e-006	mg/kg
PCB	RB-07	10/09/06	40	2,4'-DICHLOROBIPHENYL	4.29e-005	mg/kg
PCB	RB-07	10/09/06	40	2,5-DICHLOROBIPHENYL	1.62e-005	mg/kg
PCB	RB-07	10/09/06	40	3,3'-DICHLOROBIPHENYL	9.9e-006	mg/kg
PCB	RB-07	10/09/06	40	3,4 & 3,4'-DICHLOROBIPHENYL	3.41e-005	mg/kg
PCB	RB-07	10/09/06	40	4,4'-DICHLOROBIPHENYL	8.8e-006	mg/kg
PCB	RB-07	10/09/06	40	PCB 077	1.45e-006	mg/kg
PCB	RB-07	10/09/06	40	PCB 081	8.8e-007	mg/kg
PCB	RB-07	10/09/06	40	PCB 105	1.42e-005	mg/kg
PCB	RB-07	10/09/06	40	PCB 114	3.28e-006	mg/kg
PCB	RB-07	10/09/06	40	PCB 118	3.18e-005	mg/kg
PCB	RB-07	10/09/06	40	PCB 167	2.22e-006	mg/kg
PCB	RB-07	10/09/06	50	2,2'-DICHLOROBIPHENYL	6.8e-006	mg/kg
PCB	RB-07	10/09/06	50	2,3'-DICHLOROBIPHENYL	3.47e-005	mg/kg
PCB	RB-07	10/09/06	50	2,4'-DICHLOROBIPHENYL	2.26e-005	mg/kg
PCB	RB-07	10/09/06	50	2,5-DICHLOROBIPHENYL	3.7e-006	mg/kg
PCB	RB-07	10/09/06	50	3,3'-DICHLOROBIPHENYL	3.56e-005	mg/kg
PCB	RB-07	10/09/06	50	3,4 & 3,4'-DICHLOROBIPHENYL	2.44e-005	mg/kg
PCB	RB-07	10/09/06	50	4,4'-DICHLOROBIPHENYL	5.8e-006	mg/kg
PCB	RB-07	10/09/06	50	PCB 077	1.21e-006	mg/kg
PCB	RB-07	10/09/06	50	PCB 118	3.04e-006	mg/kg
PCB	RB-07	10/09/06	60	2,2'-DICHLOROBIPHENYL	4.7e-006	mg/kg
PCB	RB-07	10/09/06	60	2,3'-DICHLOROBIPHENYL	2.66e-005	mg/kg
PCB	RB-07	10/09/06	60	2,3-DICHLOROBIPHENYL	4.16e-005	mg/kg
PCB	RB-07	10/09/06	60	2,4'-DICHLOROBIPHENYL	1.02e-005	mg/kg
PCB	RB-07	10/09/06	60	2,5-DICHLOROBIPHENYL	9.59e-005	mg/kg
PCB	RB-07	10/09/06	60	3,3'-DICHLOROBIPHENYL	0.00013	mg/kg
PCB	RB-07	10/09/06	60	3,4 & 3,4'-DICHLOROBIPHENYL	2.38e-005	mg/kg
PCB	RB-07	10/09/06	60	PCB 077	2.2e-005	mg/kg
PCB	RB-07	10/09/06	60	PCB 105	7.8e-007	mg/kg
PCB	RB-07	10/09/06	60	PCB 118	3.48e-006	mg/kg
PCB	RB-07	10/09/06	70	2,2'-DICHLOROBIPHENYL	5.4e-006	mg/kg
PCB	RB-07	10/09/06	70	2,3'-DICHLOROBIPHENYL	8.9e-006	mg/kg
PCB	RB-07	10/09/06	70	2,4'-DICHLOROBIPHENYL	5.8e-006	mg/kg
PCB	RB-07	10/09/06	70	2,5-DICHLOROBIPHENYL	3.4e-006	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	RB-07	10/09/06	70	3,3'-DICHLOROBIPHENYL	1.41e-005	mg/kg
PCB	RB-07	10/09/06	70	3,4 & 3,4'-DICHLOROBIPHENYL	6.2e-006	mg/kg
PCB	RB-07	10/09/06	70	PCB 167	4.8e-007	mg/kg
PCB	RB-07	10/09/06	80	2,3'-DICHLOROBIPHENYL	4.6e-006	mg/kg
PCB	RB-07	10/09/06	80	3,3'-DICHLOROBIPHENYL	1.95e-005	mg/kg
PCB	RB-07	10/09/06	80	PCB 105	8.7e-007	mg/kg
PCB	RB-07	10/09/06	80	PCB 118	3.57e-006	mg/kg
PCB	RB-07	10/10/06	90	2,2'-DICHLOROBIPHENYL	2.05e-005	mg/kg
PCB	RB-07	10/10/06	90	2,3'-DICHLOROBIPHENYL	0.000162	mg/kg
PCB	RB-07	10/10/06	90	2,4'-DICHLOROBIPHENYL	2.7e-005	mg/kg
PCB	RB-07	10/10/06	90	3,3'-DICHLOROBIPHENYL	0.000737	mg/kg
PCB	RB-07	10/10/06	90	3,4 & 3,4'-DICHLOROBIPHENYL	3.87e-005	mg/kg
PCB	RB-07	10/10/06	90	PCB 105	7.7e-007	mg/kg
PCB	RB-07	10/10/06	100	2,2'-DICHLOROBIPHENYL	0.0119	mg/kg
PCB	RB-07	10/10/06	100	2,3'-DICHLOROBIPHENYL	0.0155	mg/kg
PCB	RB-07	10/10/06	100	2,3-DICHLOROBIPHENYL	0.00128	mg/kg
PCB	RB-07	10/10/06	100	2,4'-DICHLOROBIPHENYL	0.017	mg/kg
PCB	RB-07	10/10/06	100	2,4-DICHLOROBIPHENYL	0.000511	mg/kg
PCB	RB-07	10/10/06	100	2,5-DICHLOROBIPHENYL	0.00264	mg/kg
PCB	RB-07	10/10/06	100	2,6-DICHLOROBIPHENYL	5.87e-005	mg/kg
PCB	RB-07	10/10/06	100	3,3'-DICHLOROBIPHENYL	0.0109	mg/kg
PCB	RB-07	10/10/06	100	3,4 & 3,4'-DICHLOROBIPHENYL	0.0134	mg/kg
PCB	RB-07	10/10/06	100	3,5-DICHLOROBIPHENYL	0.000113	mg/kg
PCB	RB-07	10/10/06	100	4,4'-DICHLOROBIPHENYL	0.000781	mg/kg
PCB	RB-07	10/10/06	100	PCB 077	4e-005	mg/kg
PCB	RB-07	10/10/06	100	PCB 118	1.48e-005	mg/kg
PCB	RB-07	10/10/06	100	PCB 156 & 157	3.36e-006	mg/kg
PCB	RB-07	10/10/06	110	2,2'-DICHLOROBIPHENYL	2.91e-005	mg/kg
PCB	RB-07	10/10/06	110	2,3'-DICHLOROBIPHENYL	8.95e-005	mg/kg
PCB	RB-07	10/10/06	110	2,4'-DICHLOROBIPHENYL	2.37e-005	mg/kg
PCB	RB-07	10/10/06	110	3,3'-DICHLOROBIPHENYL	0.00058	mg/kg
PCB	RB-07	10/10/06	110	3,4 & 3,4'-DICHLOROBIPHENYL	4.28e-005	mg/kg
PCB	RB-07	10/10/06	120	2,2'-DICHLOROBIPHENYL	0.000211	mg/kg
PCB	RB-07	10/10/06	120	2,3'-DICHLOROBIPHENYL	0.000214	mg/kg
PCB	RB-07	10/10/06	120	2,3-DICHLOROBIPHENYL	2.18e-005	mg/kg
PCB	RB-07	10/10/06	120	2,4'-DICHLOROBIPHENYL	0.000247	mg/kg
PCB	RB-07	10/10/06	120	2,4-DICHLOROBIPHENYL	7.6e-006	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	RB-07	10/10/06	120	2,5-DICHLOROBIPHENYL	3.6e-005	mg/kg
PCB	RB-07	10/10/06	120	3,3'-DICHLOROBIPHENYL	7.17e-005	mg/kg
PCB	RB-07	10/10/06	120	3,4 & 3,4'-DICHLOROBIPHENYL	0.000204	mg/kg
PCB	RB-07	10/10/06	120	4,4'-DICHLOROBIPHENYL	1.47e-005	mg/kg
PCB	RB-07	10/10/06	120	PCB 077	1.39e-006	mg/kg
PCB	RB-07	10/10/06	120	PCB 156 & 157	1.42e-006	mg/kg
PCB	RB-07	10/10/06	130	2,2'-DICHLOROBIPHENYL	6.77e-005	mg/kg
PCB	RB-07	10/10/06	130	2,3'-DICHLOROBIPHENYL	7.19e-005	mg/kg
PCB	RB-07	10/10/06	130	2,3-DICHLOROBIPHENYL	6.1e-006	mg/kg
PCB	RB-07	10/10/06	130	2,4'-DICHLOROBIPHENYL	8.87e-005	mg/kg
PCB	RB-07	10/10/06	130	2,4-DICHLOROBIPHENYL	2.2e-006	mg/kg
PCB	RB-07	10/10/06	130	2,5-DICHLOROBIPHENYL	1.15e-005	mg/kg
PCB	RB-07	10/10/06	130	3,3'-DICHLOROBIPHENYL	1.78e-005	mg/kg
PCB	RB-07	10/10/06	130	3,4 & 3,4'-DICHLOROBIPHENYL	7.78e-005	mg/kg
PCB	RB-07	10/10/06	130	4,4'-DICHLOROBIPHENYL	5.6e-006	mg/kg
PCB	RB-07	10/10/06	130	PCB 156 & 157	9.3e-007	mg/kg
PCB	RB-07	10/10/06	140	2,3'-DICHLOROBIPHENYL	3.7e-006	mg/kg
PCB	RB-07	10/10/06	140	3,3'-DICHLOROBIPHENYL	4.1e-006	mg/kg
PCB	RB-07	10/10/06	140	PCB 156 & 157	9.2e-007	mg/kg
PCB	RB-07	10/10/06	150	2,2'-DICHLOROBIPHENYL	3.98e-005	mg/kg
PCB	RB-07	10/10/06	150	2,3'-DICHLOROBIPHENYL	5.95e-005	mg/kg
PCB	RB-07	10/10/06	150	2,3-DICHLOROBIPHENYL	4.7e-006	mg/kg
PCB	RB-07	10/10/06	150	2,4'-DICHLOROBIPHENYL	6.39e-005	mg/kg
PCB	RB-07	10/10/06	150	2,5-DICHLOROBIPHENYL	1.07e-005	mg/kg
PCB	RB-07	10/10/06	150	3,3'-DICHLOROBIPHENYL	3.58e-005	mg/kg
PCB	RB-07	10/10/06	150	3,4 & 3,4'-DICHLOROBIPHENYL	5.41e-005	mg/kg
PCB	RB-07	10/10/06	150	4,4'-DICHLOROBIPHENYL	5.2e-006	mg/kg
PCB	RB-07	10/10/06	150	PCB 077	1.09e-006	mg/kg
PCB	RB-07	10/10/06	150	PCB 156 & 157	1.19e-006	mg/kg
PCB	RB-07	10/10/06	150	PCB 189	4.2e-007	mg/kg
PCB	RB-08	10/11/06	1	2,2'-DICHLOROBIPHENYL	8e-006	mg/kg
PCB	RB-08	10/11/06	1	2,3'-DICHLOROBIPHENYL	1.04e-005	mg/kg
PCB	RB-08	10/11/06	1	2,4'-DICHLOROBIPHENYL	1.18e-005	mg/kg
PCB	RB-08	10/11/06	1	2,5-DICHLOROBIPHENYL	3.6e-006	mg/kg
PCB	RB-08	10/11/06	1	3,3'-DICHLOROBIPHENYL	4.52e-005	mg/kg
PCB	RB-08	10/11/06	1	3,4 & 3,4'-DICHLOROBIPHENYL	8.1e-006	mg/kg
PCB	RB-08	10/11/06	1	4,4'-DICHLOROBIPHENYL	4.7e-006	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	RB-08	10/11/06	1	PCB 105	1.9e-005	mg/kg
PCB	RB-08	10/11/06	1	PCB 118	4.63e-005J	mg/kg
PCB	RB-08	10/11/06	1	PCB 156 & 157	1.04e-005	mg/kg
PCB	RB-08	10/11/06	1	PCB 167	4.3e-006	mg/kg
PCB	RB-08	10/11/06	10	2,2'-DICHLOROBIPHENYL	2.49e-005	mg/kg
PCB	RB-08	10/11/06	10	2,3'-DICHLOROBIPHENYL	2.35e-005	mg/kg
PCB	RB-08	10/11/06	10	2,3-DICHLOROBIPHENYL	7.5e-006	mg/kg
PCB	RB-08	10/11/06	10	2,4'-DICHLOROBIPHENYL	3.26e-005	mg/kg
PCB	RB-08	10/11/06	10	2,5-DICHLOROBIPHENYL	2.53e-005	mg/kg
PCB	RB-08	10/11/06	10	3,3'-DICHLOROBIPHENYL	6.4e-006	mg/kg
PCB	RB-08	10/11/06	10	3,4 & 3,4'-DICHLOROBIPHENYL	2.95e-005	mg/kg
PCB	RB-08	10/11/06	10	4,4'-DICHLOROBIPHENYL	1.07e-005	mg/kg
PCB	RB-08	10/11/06	10	PCB 077	1.71e-006	mg/kg
PCB	RB-08	10/11/06	10	PCB 105	4.76e-005	mg/kg
PCB	RB-08	10/11/06	10	PCB 114	2.98e-006	mg/kg
PCB	RB-08	10/11/06	10	PCB 118	0.00013	mg/kg
PCB	RB-08	10/11/06	10	PCB 123	1.62e-006	mg/kg
PCB	RB-08	10/11/06	10	PCB 156 & 157	1.74e-005	mg/kg
PCB	RB-08	10/11/06	10	PCB 167	6.4e-006	mg/kg
PCB	RB-08	10/11/06	20	PCB 105	6.1e-007	mg/kg
PCB	RB-08	10/11/06	30	PCB 105	6.7e-007	mg/kg
PCB	RB-08	10/11/06	30	PCB 118	3.55e-006	mg/kg
PCB	RB-08	10/11/06	40	PCB 105	1.02e-006	mg/kg
PCB	RB-08	10/11/06	40	PCB 118	3.35e-006	mg/kg
PCB	RB-08	10/11/06	40	PCB 167	5.7e-007	mg/kg
PCB	RB-08	10/11/06	40	PCB 169	8.1e-007	mg/kg
PCB	RB-08	10/11/06	50	PCB 105	1.04e-006	mg/kg
PCB	RB-08	10/11/06	50	PCB 118	3.78e-006	mg/kg
PCB	RB-08	10/11/06	50	PCB 167	6.2e-007	mg/kg
PCB	RB-08	10/11/06	60	2,4'-DICHLOROBIPHENYL	2.4e-006	mg/kg
PCB	RB-08	10/11/06	60	3,3'-DICHLOROBIPHENYL	2.6e-006	mg/kg
PCB	RB-08	10/11/06	60	PCB 118	3.24e-006	mg/kg
PCB	RB-08	10/11/06	70	PCB 118	3.52e-006	mg/kg
PCB	RB-08	10/11/06	70	PCB 167	6.3e-007	mg/kg
PCB	RB-08	10/11/06	80	3,3'-DICHLOROBIPHENYL	3.6e-006	mg/kg
PCB	RB-08	10/11/06	80	PCB 077	2.8e-007	mg/kg
PCB	RB-08	10/11/06	80	PCB 105	9.1e-007	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	RB-08	10/11/06	80	PCB 118	3.98e-006	mg/kg
PCB	RB-08	10/11/06	80	PCB 167	6.4e-007	mg/kg
PCB	RB-08	10/11/06	90	PCB 105	6.9e-007	mg/kg
PCB	RB-08	10/11/06	90	PCB 118	3.19e-006	mg/kg
PCB	RB-08	10/11/06	90	PCB 167	4.5e-007	mg/kg
PCB	RB-08	10/11/06	100	PCB 105	8.2e-007	mg/kg
PCB	RB-08	10/11/06	100	PCB 118	4.13e-006	mg/kg
PCB	RB-08	10/11/06	100	PCB 167	5.5e-007	mg/kg
PCB	RB-08	10/11/06	110	3,3'-DICHLOROBIPHENYL	2.9e-006	mg/kg
PCB	RB-08	10/11/06	110	PCB 118	3.22e-006	mg/kg
PCB	RB-08	10/11/06	110	PCB 167	5.3e-007	mg/kg
PCB	RB-08	10/11/06	120	3,3'-DICHLOROBIPHENYL	3.3e-006	mg/kg
PCB	RB-08	10/11/06	120	PCB 105	8e-007	mg/kg
PCB	RB-08	10/11/06	120	PCB 118	3.77e-006	mg/kg
PCB	RB-08	10/11/06	120	PCB 167	5.4e-007	mg/kg
PCB	RB-08	10/12/06	130	PCB 105	9.7e-007	mg/kg
PCB	RB-08	10/12/06	130	PCB 118	3.55e-006	mg/kg
PCB	RB-08	10/12/06	130	PCB 167	7.1e-007	mg/kg
PCB	RB-08	10/12/06	130	PCB 169	1.09e-006	mg/kg
PCB	RB-08	10/12/06	140	PCB 077	3.3e-007	mg/kg
PCB	RB-08	10/12/06	140	PCB 105	1.13e-006	mg/kg
PCB	RB-08	10/12/06	140	PCB 118	3.8e-006	mg/kg
PCB	RB-08	10/12/06	140	PCB 169	6.7e-007	mg/kg
PCB	RB-08	10/12/06	150	2,2'-DICHLOROBIPHENYL	9.5e-006	mg/kg
PCB	RB-08	10/12/06	150	2,4'-DICHLOROBIPHENYL	1.25e-005	mg/kg
PEST	RB-05	10/02/06	1	2,4'-DDE	0.019	mg/kg
PEST	RB-05	10/02/06	1	2,4'-DDT	0.01	mg/kg
PEST	RB-05	10/02/06	1	4,4'-DDE	0.055	mg/kg
PEST	RB-05	10/02/06	1	4,4'-DDT	0.096J+	mg/kg
PEST	RB-05	10/02/06	20	2,4'-DDD	0.0018	mg/kg
PEST	RB-05	10/02/06	20	2,4'-DDE	0.0076J+	mg/kg
PEST	RB-05	10/02/06	20	2,4'-DDT	0.0037	mg/kg
PEST	RB-05	10/02/06	20	4,4'-DDD	0.0015	mg/kg
PEST	RB-05	10/02/06	20	4,4'-DDE	0.029	mg/kg
PEST	RB-05	10/02/06	20	4,4'-DDT	0.031	mg/kg
PEST	RB-05	10/02/06	20	ENDOSULFAN I	0.002	mg/kg
PEST	RB-06	10/04/06	70	ALPHA-BHC	0.0023	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PEST	RB-06	10/04/06	100	4,4'-DDT	0.0039	mg/kg
PEST	RB-06	10/04/06	101	2,4'-DDE	0.015J+	mg/kg
PEST	RB-06	10/04/06	101	4,4'-DDD	0.0034J+	mg/kg
PEST	RB-06	10/04/06	101	ALPHA-BHC	0.08J+	mg/kg
PEST	RB-06	10/04/06	101	BETA-BHC	0.014J+	mg/kg
PEST	RB-06	10/04/06	101	DIELDRIN	0.0051J+	mg/kg
PEST	RB-06	10/04/06	101	ENDOSULFAN II	0.0057J+	mg/kg
PEST	RB-06	10/04/06	101	ENDOSULFAN SULFATE	0.0061J+	mg/kg
PEST	RB-06	10/04/06	101	GAMMA-BHC (LINDANE)	0.018J+	mg/kg
PEST	RB-06	10/04/06	101	METHOXYCHLOR	0.0065J+	mg/kg
PEST	RB-06	10/05/06	150	ENDRIN ALDEHYDE	0.0031	mg/kg
PEST	RB-07	10/09/06	10	2,4'-DDT	0.0023	mg/kg
PEST	RB-07	10/09/06	10	ENDRIN ALDEHYDE	0.0042	mg/kg
PEST	RB-07	10/09/06	20	ENDRIN ALDEHYDE	0.0032	mg/kg
PEST	RB-07	10/09/06	30	2,4'-DDT	0.0016	mg/kg
PEST	RB-07	10/09/06	30	ENDRIN ALDEHYDE	0.0023	mg/kg
PEST	RB-07	10/09/06	40	2,4'-DDE	0.0044	mg/kg
PEST	RB-07	10/09/06	40	4,4'-DDE	0.0021	mg/kg
PEST	RB-07	10/09/06	40	4,4'-DDT	0.0035	mg/kg
PEST	RB-07	10/09/06	40	BETA-BHC	0.0073	mg/kg
PEST	RB-07	10/09/06	40	ENDRIN ALDEHYDE	0.0039	mg/kg
PEST	RB-07	10/09/06	50	ENDRIN ALDEHYDE	0.007	mg/kg
PEST	RB-07	10/09/06	60	2,4'-DDT	0.0047	mg/kg
PEST	RB-07	10/09/06	60	ENDRIN ALDEHYDE	0.0079	mg/kg
PEST	RB-07	10/09/06	60	ENDRIN KETONE	0.0064	mg/kg
PEST	RB-07	10/09/06	70	ENDRIN ALDEHYDE	0.0027	mg/kg
PEST	RB-07	10/09/06	80	ENDRIN ALDEHYDE	0.0035	mg/kg
PEST	RB-08	10/11/06	1	ENDRIN ALDEHYDE	0.0027	mg/kg
PEST	RB-08	10/11/06	10	ENDRIN ALDEHYDE	0.0023	mg/kg
PEST	RB-08	10/11/06	20	ENDRIN ALDEHYDE	0.0027	mg/kg
PEST	RB-08	10/11/06	30	ENDRIN ALDEHYDE	0.0033	mg/kg
PEST	RB-08	10/11/06	50	ALPHA-BHC	0.003J+	mg/kg
PEST	RB-08	10/11/06	70	ENDRIN ALDEHYDE	0.006	mg/kg
PEST	RB-08	10/11/06	80	ENDRIN ALDEHYDE	0.0064	mg/kg
PEST	RB-08	10/11/06	90	ALPHA-BHC	0.0048J+	mg/kg
PEST	RB-08	10/11/06	100	ENDRIN ALDEHYDE	0.0067	mg/kg
PEST	RB-08	10/11/06	110	ALPHA-BHC	0.0092J+	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PEST	RB-08	10/11/06	110	ENDRIN ALDEHYDE	0.008	mg/kg
SVOC	RB-05	10/03/06	80	3,5-DIMETHYLHEPTANE	2.3	mg/kg
SVOC	RB-05	10/03/06	80	3-HEXENE-2,5-DIONE	5.6	mg/kg
SVOC	RB-05	10/03/06	100	3-HEXENE-2,5-DIONE	6	mg/kg
SVOC	RB-05	10/03/06	100	4-METHYLOCTANE	2	mg/kg
SVOC	RB-05	10/03/06	110	3-HEXENE-2,5-DIONE	5.2	mg/kg
SVOC	RB-05	10/03/06	120	3,5-DIMETHYLHEPTANE	1.7	mg/kg
SVOC	RB-05	10/03/06	150	2,5-DIMETHYLHEPTANE	2	mg/kg
SVOC	RB-05	10/03/06	150	2-METHYLOCTANE	1.7	mg/kg
SVOC	RB-06	10/04/06	60	1,2-DICHLOROBENZENE	1.7	mg/kg
SVOC	RB-06	10/04/06	60	1,4-DICHLOROBENZENE	1.3	mg/kg
SVOC	RB-06	10/04/06	70	1,2-DICHLOROBENZENE	1.4	mg/kg
SVOC	RB-06	10/04/06	70	1,4-DICHLOROBENZENE	1.3	mg/kg
SVOC	RB-06	10/04/06	80	1,2,4-TRICHLOROBENZENE	0.065	mg/kg
SVOC	RB-06	10/04/06	80	1,2-DICHLOROBENZENE	1.2	mg/kg
SVOC	RB-06	10/04/06	80	1,4-DICHLOROBENZENE	1.3	mg/kg
SVOC	RB-06	10/04/06	80	CHLOROBENZENE	7.2	mg/kg
SVOC	RB-06	10/04/06	90	1,2,4-TRICHLOROBENZENE	0.064	mg/kg
SVOC	RB-06	10/04/06	90	1,2-DICHLOROBENZENE	2.2	mg/kg
SVOC	RB-06	10/04/06	90	1,4-DICHLOROBENZENE	2.6	mg/kg
SVOC	RB-06	10/04/06	90	BENZOIC ACID	0.63	mg/kg
SVOC	RB-06	10/04/06	100	1,2,4-TRICHLOROBENZENE	0.088	mg/kg
SVOC	RB-06	10/04/06	100	1,2-DICHLOROBENZENE	2.6	mg/kg
SVOC	RB-06	10/04/06	100	1,4-DICHLOROBENZENE	4.5	mg/kg
SVOC	RB-06	10/04/06	101	1,2,4-TRICHLOROBENZENE	4	mg/kg
SVOC	RB-06	10/04/06	101	1,2-DICHLOROBENZENE	100	mg/kg
SVOC	RB-06	10/04/06	101	1,3-DICHLOROBENZENE	5	mg/kg
SVOC	RB-06	10/04/06	101	1,4-DICHLOROBENZENE	130	mg/kg
SVOC	RB-06	10/04/06	110	1,2,4-TRICHLOROBENZENE	0.098	mg/kg
SVOC	RB-06	10/04/06	110	1,2-DICHLOROBENZENE	3.2	mg/kg
SVOC	RB-06	10/04/06	110	1,3-DICHLOROBENZENE	0.13	mg/kg
SVOC	RB-06	10/04/06	110	1,4-DICHLOROBENZENE	2.4	mg/kg
SVOC	RB-06	10/05/06	120	(Z)-7-HEXADECENE	2.1	mg/kg
SVOC	RB-06	10/05/06	120	DIETHYL PHTHALATE	0.071	mg/kg
SVOC	RB-06	10/05/06	140	PYRIDINE	0.19	mg/kg
SVOC	RB-06	10/05/06	150	2,5-DIMETHYLHEPTANE	1.7	mg/kg
SVOC	RB-07	10/09/06	10	2,5-DIMETHYLHEPTANE	2	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
SVOC	RB-07	10/09/06	10	BENZOIC ACID	0.39	mg/kg
SVOC	RB-07	10/09/06	20	2,5-DIMETHYLHEPTANE	2.4	mg/kg
SVOC	RB-07	10/09/06	20	2-METHYLOCTANE	1.8	mg/kg
SVOC	RB-07	10/09/06	20	BENZOIC ACID	0.39	mg/kg
SVOC	RB-07	10/09/06	20	DI-N-BUTYL PHTHALATE	0.091	mg/kg
SVOC	RB-07	10/09/06	30	2,5-DIMETHYLHEPTANE	2.2	mg/kg
SVOC	RB-07	10/09/06	30	BENZOIC ACID	0.38	mg/kg
SVOC	RB-07	10/09/06	50	DI-N-BUTYL PHTHALATE	0.066	mg/kg
SVOC	RB-07	10/09/06	60	1,2-DICHLOROBENZENE	0.3	mg/kg
SVOC	RB-07	10/09/06	60	1,4-DICHLOROBENZENE	0.26	mg/kg
SVOC	RB-07	10/09/06	60	2,5-DIMETHYLHEPTANE	1.7	mg/kg
SVOC	RB-07	10/09/06	60	BENZOIC ACID	0.4	mg/kg
SVOC	RB-07	10/09/06	70	2,3,4-TRIMETHYLHEXANE	1.9	mg/kg
SVOC	RB-07	10/09/06	70	2,5-DIMETHYLHEPTANE	2.5	mg/kg
SVOC	RB-07	10/09/06	80	2,5-DIMETHYLHEPTANE	1.9	mg/kg
SVOC	RB-07	10/09/06	80	BIS(2-ETHYLHEXYL)PHTHALATE	0.19	mg/kg
SVOC	RB-07	10/09/06	80	DI-N-BUTYL PHTHALATE	0.16	mg/kg
SVOC	RB-07	10/09/06	80	HEXANEDIOIC ACID, MONO(2-ETHYLHEXYL)ESTER	16	mg/kg
SVOC	RB-07	10/10/06	90	(1-METHYL-1-BUTENYL)-BENZENE	1.8	mg/kg
SVOC	RB-07	10/10/06	100	(1-METHYL-1-BUTENYL)-BENZENE	2.7	mg/kg
SVOC	RB-07	10/10/06	100	1,2-DICHLOROBENZENE	2	mg/kg
SVOC	RB-07	10/10/06	100	1,4-DICHLOROBENZENE	1.6	mg/kg
SVOC	RB-07	10/10/06	100	2-METHYLOCTANE	1.9	mg/kg
SVOC	RB-07	10/10/06	100	3-HEXENE-2,5-DIONE	1.8	mg/kg
SVOC	RB-07	10/10/06	110	3-HEXENE-2,5-DIONE	3.6	mg/kg
SVOC	RB-07	10/10/06	120	3-METHYLOCTANE	2.1	mg/kg
SVOC	RB-08	10/11/06	10	3-HEXENE-2,5-DIONE	2.1	mg/kg
SVOC	RB-08	10/11/06	20	3-HEXENE-2,5-DIONE	1.7	mg/kg
SVOC	RB-08	10/11/06	50	3-HEXENE-2,5-DIONE	1.7	mg/kg
SVOC	RB-08	10/11/06	60	2,5-DIMETHYLHEPTANE	1.7	mg/kg
SVOC	RB-08	10/11/06	60	3-HEXENE-2,5-DIONE	1.9	mg/kg
SVOC	RB-08	10/11/06	70	2,5-DIMETHYLHEPTANE	2.1	mg/kg
SVOC	RB-08	10/11/06	70	2-METHYLOCTANE	2	mg/kg
SVOC	RB-08	10/11/06	70	3-HEXENE-2,5-DIONE	1.9	mg/kg
SVOC	RB-08	10/11/06	80	DI-N-BUTYL PHTHALATE	0.073	mg/kg
VOC	RB-05	10/02/06	1	ACETONE	0.02J-	mg/kg
VOC	RB-05	10/02/06	1	BENZENE	0.00099	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
VOC	RB-05	10/02/06	1	TOLUENE	0.00071	mg/kg
VOC	RB-05	10/02/06	10	ACETONE	0.018J-	mg/kg
VOC	RB-05	10/02/06	10	CHLOROFORM	0.00066	mg/kg
VOC	RB-05	10/02/06	10	TOLUENE	0.0007	mg/kg
VOC	RB-05	10/02/06	20	1,2-DICHLOROBENZENE	0.0056J+	mg/kg
VOC	RB-05	10/02/06	20	1,4-DICHLOROBENZENE	0.008J+	mg/kg
VOC	RB-05	10/02/06	20	2-BUTANONE	0.0069J+	mg/kg
VOC	RB-05	10/02/06	20	CARBON TETRACHLORIDE	0.0061J+	mg/kg
VOC	RB-05	10/02/06	20	CHLOROBENZENE	0.008J+	mg/kg
VOC	RB-05	10/02/06	20	ETHYLBENZENE	0.00052J+	mg/kg
VOC	RB-05	10/02/06	20	TOLUENE	0.0011J+	mg/kg
VOC	RB-05	10/02/06	30	CHLOROFORM	0.0066	mg/kg
VOC	RB-05	10/02/06	40	ACETONE	0.0078J-	mg/kg
VOC	RB-05	10/02/06	40	BENZENE	0.00061	mg/kg
VOC	RB-05	10/02/06	40	CHLOROFORM	0.16	mg/kg
VOC	RB-05	10/02/06	40	TOLUENE	0.00079	mg/kg
VOC	RB-05	10/02/06	50	CHLOROFORM	0.47	mg/kg
VOC	RB-05	10/02/06	60	CHLOROFORM	4.4	mg/kg
VOC	RB-05	10/02/06	70	BENZENE	0.77	mg/kg
VOC	RB-05	10/02/06	70	CHLOROBENZENE	0.39	mg/kg
VOC	RB-05	10/02/06	70	CHLOROFORM	1.6	mg/kg
VOC	RB-05	10/03/06	80	BENZENE	3.1	mg/kg
VOC	RB-05	10/03/06	80	CHLOROBENZENE	0.6	mg/kg
VOC	RB-05	10/03/06	80	CHLOROFORM	1.8	mg/kg
VOC	RB-05	10/03/06	90	BENZENE	0.0013	mg/kg
VOC	RB-05	10/03/06	90	CHLOROFORM	0.012	mg/kg
VOC	RB-05	10/03/06	90	TOLUENE	0.0013	mg/kg
VOC	RB-05	10/03/06	100	CARBON TETRACHLORIDE	0.0069	mg/kg
VOC	RB-05	10/03/06	100	CHLOROFORM	0.022	mg/kg
VOC	RB-05	10/03/06	100	TOLUENE	0.00075	mg/kg
VOC	RB-05	10/03/06	110	BENZENE	0.00068	mg/kg
VOC	RB-05	10/03/06	110	TOLUENE	0.0007	mg/kg
VOC	RB-05	10/03/06	120	BENZENE	0.0017	mg/kg
VOC	RB-05	10/03/06	120	TOLUENE	0.0014	mg/kg
VOC	RB-05	10/03/06	130	BENZENE	0.00062	mg/kg
VOC	RB-05	10/03/06	130	CHLOROFORM	0.00036	mg/kg
VOC	RB-05	10/03/06	130	TOLUENE	0.00077	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
VOC	RB-05	10/03/06	140	BENZENE	0.0015	mg/kg
VOC	RB-05	10/03/06	140	TOLUENE	0.0015	mg/kg
VOC	RB-05	10/03/06	150	BENZENE	0.0018	mg/kg
VOC	RB-05	10/03/06	150	TOLUENE	0.0016	mg/kg
VOC	RB-06	10/04/06	50	1,1,1,2-TETRACHLOROETHANE	0.0063	mg/kg
VOC	RB-06	10/04/06	50	1,1-DICHLOROPROPENE	0.0004	mg/kg
VOC	RB-06	10/04/06	50	1,4-DICHLOROBENZENE	0.0012	mg/kg
VOC	RB-06	10/04/06	50	BENZENE	0.00061	mg/kg
VOC	RB-06	10/04/06	50	BROMODICHLOROMETHANE	0.0054	mg/kg
VOC	RB-06	10/04/06	50	BROMOMETHANE	0.0055	mg/kg
VOC	RB-06	10/04/06	50	CARBON TETRACHLORIDE	0.011	mg/kg
VOC	RB-06	10/04/06	50	CHLOROBENZENE	0.00083	mg/kg
VOC	RB-06	10/04/06	50	CHLOROFORM	5.1	mg/kg
VOC	RB-06	10/04/06	50	DICHLORODIFLUOROMETHANE	0.0063	mg/kg
VOC	RB-06	10/04/06	50	TETRACHLOROETHENE	0.00083	mg/kg
VOC	RB-06	10/04/06	50	TOLUENE	0.0005	mg/kg
VOC	RB-06	10/04/06	60	1,2,4-TRICHLOROBENZENE	0.12	mg/kg
VOC	RB-06	10/04/06	60	1,2-DICHLOROBENZENE	15	mg/kg
VOC	RB-06	10/04/06	60	1,3-DICHLOROBENZENE	0.78	mg/kg
VOC	RB-06	10/04/06	60	1,4-DICHLOROBENZENE	16	mg/kg
VOC	RB-06	10/04/06	60	BENZENE	3.7	mg/kg
VOC	RB-06	10/04/06	60	CHLOROBENZENE	7	mg/kg
VOC	RB-06	10/04/06	60	CHLOROFORM	3.1	mg/kg
VOC	RB-06	10/04/06	60	METHYLENE CHLORIDE	0.5	mg/kg
VOC	RB-06	10/04/06	70	1,2-DICHLOROBENZENE	8.6	mg/kg
VOC	RB-06	10/04/06	70	1,3-DICHLOROBENZENE	0.4	mg/kg
VOC	RB-06	10/04/06	70	1,4-DICHLOROBENZENE	11	mg/kg
VOC	RB-06	10/04/06	70	BENZENE	26	mg/kg
VOC	RB-06	10/04/06	70	CHLOROBENZENE	20	mg/kg
VOC	RB-06	10/04/06	70	CHLOROFORM	22	mg/kg
VOC	RB-06	10/04/06	70	METHYLENE CHLORIDE	0.72	mg/kg
VOC	RB-06	10/04/06	80	1,2,4-TRICHLOROBENZENE	0.3	mg/kg
VOC	RB-06	10/04/06	80	1,2-DICHLOROBENZENE	8.5	mg/kg
VOC	RB-06	10/04/06	80	1,3-DICHLOROBENZENE	0.45	mg/kg
VOC	RB-06	10/04/06	80	1,4-DICHLOROBENZENE	11	mg/kg
VOC	RB-06	10/04/06	80	BENZENE	48	mg/kg
VOC	RB-06	10/04/06	80	CARBON TETRACHLORIDE	1.8J+	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
VOC	RB-06	10/04/06	80	CHLOROBENZENE	84	mg/kg
VOC	RB-06	10/04/06	80	CHLOROFORM	7	mg/kg
VOC	RB-06	10/04/06	80	METHYLENE CHLORIDE	0.6	mg/kg
VOC	RB-06	10/04/06	90	1,2,4-TRICHLOROBENZENE	0.23	mg/kg
VOC	RB-06	10/04/06	90	1,2-DICHLOROBENZENE	15	mg/kg
VOC	RB-06	10/04/06	90	1,3-DICHLOROBENZENE	0.65	mg/kg
VOC	RB-06	10/04/06	90	1,4-DICHLOROBENZENE	22	mg/kg
VOC	RB-06	10/04/06	90	BENZENE	24	mg/kg
VOC	RB-06	10/04/06	90	CARBON TETRACHLORIDE	0.69J+	mg/kg
VOC	RB-06	10/04/06	90	CHLOROBENZENE	39	mg/kg
VOC	RB-06	10/04/06	90	CHLOROFORM	12	mg/kg
VOC	RB-06	10/04/06	90	METHYLENE CHLORIDE	0.65	mg/kg
VOC	RB-06	10/04/06	100	1,2,4-TRICHLOROBENZENE	0.16	mg/kg
VOC	RB-06	10/04/06	100	1,2-DICHLOROBENZENE	20	mg/kg
VOC	RB-06	10/04/06	100	1,3-DICHLOROBENZENE	0.81	mg/kg
VOC	RB-06	10/04/06	100	1,4-DICHLOROBENZENE	22	mg/kg
VOC	RB-06	10/04/06	100	BENZENE	7.7	mg/kg
VOC	RB-06	10/04/06	100	CARBON TETRACHLORIDE	0.42J+	mg/kg
VOC	RB-06	10/04/06	100	CHLOROBENZENE	16	mg/kg
VOC	RB-06	10/04/06	100	CHLOROFORM	5	mg/kg
VOC	RB-06	10/04/06	100	METHYLENE CHLORIDE	0.65	mg/kg
VOC	RB-06	10/04/06	101	1,2,3-TRICHLOROBENZENE	2.8	mg/kg
VOC	RB-06	10/04/06	101	1,2,4-TRICHLOROBENZENE	14	mg/kg
VOC	RB-06	10/04/06	101	1,2-DICHLOROBENZENE	370	mg/kg
VOC	RB-06	10/04/06	101	1,3-DICHLOROBENZENE	16	mg/kg
VOC	RB-06	10/04/06	101	1,4-DICHLOROBENZENE	500	mg/kg
VOC	RB-06	10/04/06	101	2-CHLOROTOLUENE	0.7	mg/kg
VOC	RB-06	10/04/06	101	4-CHLOROTOLUENE	0.56	mg/kg
VOC	RB-06	10/04/06	101	BENZENE	12	mg/kg
VOC	RB-06	10/04/06	101	CARBON TETRACHLORIDE	0.61J+	mg/kg
VOC	RB-06	10/04/06	101	CHLOROBENZENE	81	mg/kg
VOC	RB-06	10/04/06	101	CHLOROFORM	4.7	mg/kg
VOC	RB-06	10/04/06	101	METHYLENE CHLORIDE	0.53	mg/kg
VOC	RB-06	10/04/06	110	1,2,3-TRICHLOROBENZENE	0.14	mg/kg
VOC	RB-06	10/04/06	110	1,2,4-TRICHLOROBENZENE	0.74	mg/kg
VOC	RB-06	10/04/06	110	1,2-DICHLOROBENZENE	40	mg/kg
VOC	RB-06	10/04/06	110	1,3-DICHLOROBENZENE	2.6	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
VOC	RB-06	10/04/06	110	1,4-DICHLOROBENZENE	51	mg/kg
VOC	RB-06	10/04/06	110	2-CHLOROTOLUENE	0.055	mg/kg
VOC	RB-06	10/04/06	110	4-CHLOROTOLUENE	0.046	mg/kg
VOC	RB-06	10/04/06	110	BENZENE	11	mg/kg
VOC	RB-06	10/04/06	110	CARBON TETRACHLORIDE	0.55J+	mg/kg
VOC	RB-06	10/04/06	110	CHLOROBENZENE	66	mg/kg
VOC	RB-06	10/04/06	110	CHLOROFORM	1.7	mg/kg
VOC	RB-06	10/04/06	110	METHYLENE CHLORIDE	0.67	mg/kg
VOC	RB-06	10/05/06	120	1,2-DICHLOROBENZENE	0.013	mg/kg
VOC	RB-06	10/05/06	120	1,4-DICHLOROBENZENE	0.013	mg/kg
VOC	RB-06	10/05/06	120	BENZENE	0.0029	mg/kg
VOC	RB-06	10/05/06	120	CHLOROBENZENE	0.016	mg/kg
VOC	RB-06	10/05/06	120	TOLUENE	0.00059	mg/kg
VOC	RB-06	10/05/06	130	1,2-DICHLOROBENZENE	0.026	mg/kg
VOC	RB-06	10/05/06	130	1,4-DICHLOROBENZENE	0.024	mg/kg
VOC	RB-06	10/05/06	130	BENZENE	0.0019	mg/kg
VOC	RB-06	10/05/06	130	CHLOROBENZENE	0.025	mg/kg
VOC	RB-06	10/05/06	130	CHLOROFORM	0.00055	mg/kg
VOC	RB-06	10/05/06	140	BENZENE	0.0011	mg/kg
VOC	RB-06	10/05/06	140	CHLOROFORM	0.003	mg/kg
VOC	RB-06	10/05/06	140	TOLUENE	0.00091	mg/kg
VOC	RB-06	10/05/06	150	1,2-DICHLOROBENZENE	0.0072	mg/kg
VOC	RB-06	10/05/06	150	1,4-DICHLOROBENZENE	0.0092	mg/kg
VOC	RB-06	10/05/06	150	BENZENE	0.0033	mg/kg
VOC	RB-06	10/05/06	150	CHLOROBENZENE	0.012	mg/kg
VOC	RB-06	10/05/06	150	CHLOROFORM	0.0061	mg/kg
VOC	RB-06	10/05/06	150	TOLUENE	0.0005	mg/kg
VOC	RB-07	10/09/06	10	ACETONE	0.026	mg/kg
VOC	RB-07	10/09/06	10	CHLOROFORM	0.0075	mg/kg
VOC	RB-07	10/09/06	20	ACETONE	0.019	mg/kg
VOC	RB-07	10/09/06	20	CHLOROFORM	0.0051	mg/kg
VOC	RB-07	10/09/06	30	CHLOROFORM	0.05	mg/kg
VOC	RB-07	10/09/06	40	1,2-DICHLOROBENZENE	0.002	mg/kg
VOC	RB-07	10/09/06	40	1,4-DICHLOROBENZENE	0.0018	mg/kg
VOC	RB-07	10/09/06	40	CHLOROFORM	0.0089	mg/kg
VOC	RB-07	10/09/06	50	CHLOROFORM	3.8	mg/kg
VOC	RB-07	10/09/06	60	1,2-DICHLOROBENZENE	1.3	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
VOC	RB-07	10/09/06	60	1,3-DICHLOROBENZENE	0.075	mg/kg
VOC	RB-07	10/09/06	60	1,4-DICHLOROBENZENE	1.3	mg/kg
VOC	RB-07	10/09/06	60	BENZENE	0.17	mg/kg
VOC	RB-07	10/09/06	60	CHLOROBENZENE	0.62	mg/kg
VOC	RB-07	10/09/06	60	CHLOROFORM	20	mg/kg
VOC	RB-07	10/09/06	70	1,2-DICHLOROBENZENE	0.078	mg/kg
VOC	RB-07	10/09/06	70	1,4-DICHLOROBENZENE	0.093	mg/kg
VOC	RB-07	10/09/06	70	BENZENE	0.043	mg/kg
VOC	RB-07	10/09/06	70	CHLOROBENZENE	0.18	mg/kg
VOC	RB-07	10/09/06	70	CHLOROFORM	0.58	mg/kg
VOC	RB-07	10/09/06	80	1,4-DICHLOROBENZENE	0.043	mg/kg
VOC	RB-07	10/09/06	80	BENZENE	3.2	mg/kg
VOC	RB-07	10/09/06	80	CHLOROBENZENE	5	mg/kg
VOC	RB-07	10/09/06	80	CHLOROFORM	0.87	mg/kg
VOC	RB-07	10/10/06	90	1,4-DICHLOROBENZENE	0.034	mg/kg
VOC	RB-07	10/10/06	90	BENZENE	0.31	mg/kg
VOC	RB-07	10/10/06	90	CHLOROBENZENE	22	mg/kg
VOC	RB-07	10/10/06	90	CHLOROFORM	0.16	mg/kg
VOC	RB-07	10/10/06	100	1,2-DICHLOROBENZENE	10	mg/kg
VOC	RB-07	10/10/06	100	1,3-DICHLOROBENZENE	0.42	mg/kg
VOC	RB-07	10/10/06	100	1,4-DICHLOROBENZENE	12	mg/kg
VOC	RB-07	10/10/06	100	BENZENE	1.6	mg/kg
VOC	RB-07	10/10/06	100	CHLOROBENZENE	41	mg/kg
VOC	RB-07	10/10/06	100	CHLOROFORM	0.73	mg/kg
VOC	RB-07	10/10/06	110	1,2-DICHLOROBENZENE	1	mg/kg
VOC	RB-07	10/10/06	110	1,3-DICHLOROBENZENE	0.08	mg/kg
VOC	RB-07	10/10/06	110	1,4-DICHLOROBENZENE	1.9	mg/kg
VOC	RB-07	10/10/06	110	CHLOROBENZENE	4.1	mg/kg
VOC	RB-07	10/10/06	150	TOLUENE	0.00061	mg/kg
VOC	RB-08	10/11/06	1	ACETONE	0.033	mg/kg
VOC	RB-08	10/11/06	10	1,2-DICHLOROBENZENE	0.0021	mg/kg
VOC	RB-08	10/11/06	10	1,4-DICHLOROBENZENE	0.0026	mg/kg
VOC	RB-08	10/11/06	10	ACETONE	0.018	mg/kg
VOC	RB-08	10/11/06	10	CHLOROFORM	0.001	mg/kg
VOC	RB-08	10/11/06	20	CHLOROFORM	0.0025	mg/kg
VOC	RB-08	10/11/06	30	CHLOROFORM	0.081	mg/kg
VOC	RB-08	10/11/06	40	CHLOROFORM	0.31	mg/kg

Table 2-5
Summary of Detected Compounds in Soil
2006 DNAPL Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
VOC	RB-08	10/11/06	50	CHLOROFORM	0.35	mg/kg
VOC	RB-08	10/11/06	60	CHLOROFORM	0.078	mg/kg
VOC	RB-08	10/11/06	70	1,2,4-TRIMETHYLBENZENE	0.0026	mg/kg
VOC	RB-08	10/11/06	70	1,2-DICHLOROBENZENE	0.0023	mg/kg
VOC	RB-08	10/11/06	70	1,3,5-TRIMETHYLBENZENE	0.001	mg/kg
VOC	RB-08	10/11/06	70	1,4-DICHLOROBENZENE	0.0045	mg/kg
VOC	RB-08	10/11/06	70	BENZENE	0.012	mg/kg
VOC	RB-08	10/11/06	70	CHLOROBENZENE	0.0025	mg/kg
VOC	RB-08	10/11/06	70	CHLOROFORM	0.18	mg/kg
VOC	RB-08	10/11/06	70	ETHYLBENZENE	0.00088	mg/kg
VOC	RB-08	10/11/06	70	M,P-XYLENE	0.0049	mg/kg
VOC	RB-08	10/11/06	70	O-XYLENE	0.0016	mg/kg
VOC	RB-08	10/11/06	70	TOLUENE	0.0076	mg/kg
VOC	RB-08	10/11/06	80	CHLOROFORM	0.00073	mg/kg
VOC	RB-08	10/11/06	110	BENZENE	0.00061	mg/kg
VOC	RB-08	10/11/06	110	TOLUENE	0.00077	mg/kg
VOC	RB-08	10/11/06	120	TOLUENE	0.00051	mg/kg
VOC	RB-08	10/12/06	140	TOLUENE	0.00056	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
ALDEHYDE	CPA-01D	11/07/06	5	FORMALDEHYDE	1.2	mg/kg
ALDEHYDE	CPA-01D	11/07/06	10	FORMALDEHYDE	0.78	mg/kg
ALDEHYDE	CPA-01D	11/08/06	30	FORMALDEHYDE	0.57	mg/kg
ALDEHYDE	CPA-02D	11/14/06	5	FORMALDEHYDE	0.98	mg/kg
ALDEHYDE	CPA-05D	11/16/06	0.25	1234678-HEPTACHLORINATED DIBENZOFURAN	0.000145	mg/kg
ALDEHYDE	CPA-05D	11/16/06	0.25	1234789-HEPTACHLORINATED DIBENZOFURAN	4.83e-005	mg/kg
ALDEHYDE	CPA-05D	11/16/06	0.25	123478-HEXACHLORINATED DIBENZOFURAN	9.09e-005	mg/kg
ALDEHYDE	CPA-05D	11/16/06	0.25	123678-HEXACHLORINATED DIBENZOFURAN	3.78e-005	mg/kg
ALDEHYDE	CPA-05D	11/16/06	0.25	123789-HEXACHLORINATED DIBENZOFURAN	4.81e-006J	mg/kg
ALDEHYDE	CPA-05D	11/16/06	0.25	12378-PENTACHLORINATED DIBENZOFURAN	2.1e-005J	mg/kg
ALDEHYDE	CPA-05D	11/16/06	0.25	2,3,7,8-TCDD	7.1e-007	mg/kg
ALDEHYDE	CPA-05D	11/16/06	0.25	234678-HEXACHLORINATED DIBENZOFURAN	8.7e-006	mg/kg
ALDEHYDE	CPA-05D	11/16/06	0.25	23478-PENTACHLORINATED DIBENZOFURAN	4.98e-005J	mg/kg
ALDEHYDE	CPA-05D	11/16/06	0.25	OCTACHLORINATED DIBENZOFURAN	0.00031	mg/kg
ALDEHYDE	CPA-05D	11/16/06	0.25	OCTACHLORINATED DIBENZO-P-DIOXIN	8.83e-005	mg/kg
ALDEHYDE	CPA-08D	11/27/06	30	FORMALDEHYDE	0.69	mg/kg
ALDEHYDE	CPA-08D	11/27/06	50	FORMALDEHYDE	1.1	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	1,2,3,4,6,7,8-HEPTACHLORINATED DIBENZO-P-DIOXIN	6.22e-005	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	1234678-HEPTACHLORINATED DIBENZOFURAN	6.49e-005	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	1234789-HEPTACHLORINATED DIBENZOFURAN	2.38e-005	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	123478-HEXACHLORINATED DIBENZOFURAN	4.03e-005	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	123478-HEXACHLORINATED DIBENZO-P-DIOXIN	1.55e-006	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	123678-HEXACHLORINATED DIBENZOFURAN	1.9e-005	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	123678-HEXACHLORINATED DIBENZO-P-DIOXIN	1.01e-005	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	123789-HEXACHLORINATED DIBENZOFURAN	3.05e-006	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	123789-HEXACHLORINATED DIBENZO-P-DIOXIN	6.63e-006	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	12378-PENTACHLORINATED DIBENZOFURAN	1.4e-005	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	234678-HEXACHLORINATED DIBENZOFURAN	5.75e-006	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	23478-PENTACHLORINATED DIBENZOFURAN	2.76e-005	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	2378-TETRACHLORINATED DIBENZOFURAN	8.1e-005	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	OCTACHLORINATED DIBENZOFURAN	0.000132	mg/kg
ALDEHYDE	CPA-09S	11/08/06	0.25	OCTACHLORINATED DIBENZO-P-DIOXIN	6.61e-005	mg/kg
ALDEHYDE	CPA-09S	11/08/06	5	FORMALDEHYDE	0.63	mg/kg
ALDEHYDE	CPA-09S	11/08/06	10	FORMALDEHYDE	0.77	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	1,2,3,4,6,7,8-HEPTACHLORINATED DIBENZO-P-DIOXIN	0.00069	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	1234789-HEPTACHLORINATED DIBENZOFURAN	5.29e-005	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	123478-HEXACHLORINATED DIBENZOFURAN	0.000201	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	123478-HEXACHLORINATED DIBENZO-P-DIOXIN	1.07e-005	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	123678-HEXACHLORINATED DIBENZOFURAN	9.09e-005	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	123678-HEXACHLORINATED DIBENZO-P-DIOXIN	0.000104	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
ALDEHYDE	CPA-10S	11/15/06	0.25	123789-HEXACHLORINATED DIBENZOFURAN	4.94e-006J	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	123789-HEXACHLORINATED DIBENZO-P-DIOXIN	5.28e-005	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	12378-PENTACHLORINATED DIBENZOFURAN	7.21e-005	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	12378-PENTACHLORINATED DIBENZO-P-DIOXIN	1.26e-005	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	2,3,7,8-TCDD	1.88e-006	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	234678-HEXACHLORINATED DIBENZOFURAN	3.44e-005	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	23478-PENTACHLORINATED DIBENZOFURAN	7.06e-005	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	2378-TETRACHLORINATED DIBENZOFURAN	0.000474	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	OCTACHLORINATED DIBENZOFURAN	0.000322	mg/kg
ALDEHYDE	CPA-10S	11/15/06	0.25	OCTACHLORINATED DIBENZO-P-DIOXIN	0.000818	mg/kg
ALDEHYDE	CPA-12S	11/17/06	0.25	123478-HEXACHLORINATED DIBENZOFURAN	3.55e-007	mg/kg
INORG	CPA-01D	11/07/06	5	ALKALINITY AS CACO3	36000	mg/kg
INORG	CPA-01D	11/07/06	5	ALKALINITY, BICARBONATE (AS CACO3)	35000	mg/kg
INORG	CPA-01D	11/07/06	5	ALKALINITY, CARBONATE (AS CACO3)	1200	mg/kg
INORG	CPA-01D	11/07/06	5	ALUMINUM	9300	mg/kg
INORG	CPA-01D	11/07/06	5	AMMONIA	1.0J-	mg/kg
INORG	CPA-01D	11/07/06	5	BARIUM	160	mg/kg
INORG	CPA-01D	11/07/06	5	BERYLLIUM	0.56	mg/kg
INORG	CPA-01D	11/07/06	5	CALCIUM	23000	mg/kg
INORG	CPA-01D	11/07/06	5	CHROMIUM	20	mg/kg
INORG	CPA-01D	11/07/06	5	COBALT	8.5	mg/kg
INORG	CPA-01D	11/07/06	5	COPPER	18	mg/kg
INORG	CPA-01D	11/07/06	5	FLUORIDE	3.2	mg/kg
INORG	CPA-01D	11/07/06	5	IRON	16000	mg/kg
INORG	CPA-01D	11/07/06	5	LEAD	5.8	mg/kg
INORG	CPA-01D	11/07/06	5	LITHIUM	18	mg/kg
INORG	CPA-01D	11/07/06	5	MAGNESIUM	13000	mg/kg
INORG	CPA-01D	11/07/06	5	MANGANESE	280	mg/kg
INORG	CPA-01D	11/07/06	5	MERCURY	0.019	mg/kg
INORG	CPA-01D	11/07/06	5	NICKEL	33	mg/kg
INORG	CPA-01D	11/07/06	5	NITRATE	1.8	mg/kg
INORG	CPA-01D	11/07/06	5	PH	8.95	pH Units
INORG	CPA-01D	11/07/06	5	PHOSPHORUS, TOTAL (AS P)	1200	mg/kg
INORG	CPA-01D	11/07/06	5	PHOSPHORUS, TOTAL (AS P)	990J	mg/kg
INORG	CPA-01D	11/07/06	5	POTASSIUM	2300	mg/kg
INORG	CPA-01D	11/07/06	5	SILVER	0.96	mg/kg
INORG	CPA-01D	11/07/06	5	SODIUM	1100	mg/kg
INORG	CPA-01D	11/07/06	5	STRONTIUM	200	mg/kg
INORG	CPA-01D	11/07/06	5	SULFATE	41	mg/kg
INORG	CPA-01D	11/07/06	5	SULFUR	282	mg/KG

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-01D	11/07/06	5	TITANIUM	900	mg/kg
INORG	CPA-01D	11/07/06	5	VANADIUM	29	mg/kg
INORG	CPA-01D	11/07/06	5	ZINC	30	mg/kg
INORG	CPA-01D	11/07/06	10	ALKALINITY AS CACO3	22000	mg/kg
INORG	CPA-01D	11/07/06	10	ALKALINITY, BICARBONATE (AS CACO3)	21000	mg/kg
INORG	CPA-01D	11/07/06	10	ALKALINITY, CARBONATE (AS CACO3)	500	mg/kg
INORG	CPA-01D	11/07/06	10	ALUMINUM	7500	mg/kg
INORG	CPA-01D	11/07/06	10	ARSENIC	2.1J	mg/kg
INORG	CPA-01D	11/07/06	10	BARIUM	120	mg/kg
INORG	CPA-01D	11/07/06	10	BERYLLIUM	0.45	mg/kg
INORG	CPA-01D	11/07/06	10	CALCIUM	38000	mg/kg
INORG	CPA-01D	11/07/06	10	CHROMIUM	9.6	mg/kg
INORG	CPA-01D	11/07/06	10	COBALT	6.1	mg/kg
INORG	CPA-01D	11/07/06	10	COPPER	14	mg/kg
INORG	CPA-01D	11/07/06	10	FLUORIDE	4.1	mg/kg
INORG	CPA-01D	11/07/06	10	IRON	15000	mg/kg
INORG	CPA-01D	11/07/06	10	LEAD	4.6	mg/kg
INORG	CPA-01D	11/07/06	10	LITHIUM	17	mg/kg
INORG	CPA-01D	11/07/06	10	MAGNESIUM	10000	mg/kg
INORG	CPA-01D	11/07/06	10	MANGANESE	200	mg/kg
INORG	CPA-01D	11/07/06	10	NICKEL	18	mg/kg
INORG	CPA-01D	11/07/06	10	NITRATE	1.1	mg/kg
INORG	CPA-01D	11/07/06	10	PH	9.08	pH Units
INORG	CPA-01D	11/07/06	10	PHOSPHORUS, TOTAL (AS P)	680	mg/kg
INORG	CPA-01D	11/07/06	10	PHOSPHORUS, TOTAL (AS P)	830J	mg/kg
INORG	CPA-01D	11/07/06	10	POTASSIUM	2500	mg/kg
INORG	CPA-01D	11/07/06	10	SODIUM	730	mg/kg
INORG	CPA-01D	11/07/06	10	STRONTIUM	340	mg/kg
INORG	CPA-01D	11/07/06	10	SULFATE	45	mg/kg
INORG	CPA-01D	11/07/06	10	SULFUR	218	mg/KG
INORG	CPA-01D	11/07/06	10	TITANIUM	710	mg/kg
INORG	CPA-01D	11/07/06	10	VANADIUM	31	mg/kg
INORG	CPA-01D	11/07/06	10	ZINC	24	mg/kg
INORG	CPA-01D	11/08/06	30	ALKALINITY AS CACO3	540	mg/kg
INORG	CPA-01D	11/08/06	30	ALKALINITY, BICARBONATE (AS CACO3)	540	mg/kg
INORG	CPA-01D	11/08/06	30	ALUMINUM	6500	mg/kg
INORG	CPA-01D	11/08/06	30	AMMONIA	0.83J-	mg/kg
INORG	CPA-01D	11/08/06	30	ARSENIC	7.0	mg/kg
INORG	CPA-01D	11/08/06	30	BARIUM	130	mg/kg
INORG	CPA-01D	11/08/06	30	BERYLLIUM	0.52	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-01D	11/08/06	30	BORON	12	mg/kg
INORG	CPA-01D	11/08/06	30	CALCIUM	2800J	mg/kg
INORG	CPA-01D	11/08/06	30	CHLORIDE	520	mg/kg
INORG	CPA-01D	11/08/06	30	CHROMIUM	16	mg/kg
INORG	CPA-01D	11/08/06	30	COBALT	4.3	mg/kg
INORG	CPA-01D	11/08/06	30	COPPER	12	mg/kg
INORG	CPA-01D	11/08/06	30	FLUORIDE	2.5	mg/kg
INORG	CPA-01D	11/08/06	30	IRON	7500	mg/kg
INORG	CPA-01D	11/08/06	30	LEAD	5.5	mg/kg
INORG	CPA-01D	11/08/06	30	LITHIUM	23	mg/kg
INORG	CPA-01D	11/08/06	30	MAGNESIUM	7800	mg/kg
INORG	CPA-01D	11/08/06	30	MANGANESE	100	mg/kg
INORG	CPA-01D	11/08/06	30	NICKEL	7.9	mg/kg
INORG	CPA-01D	11/08/06	30	NITRATE	0.61	mg/kg
INORG	CPA-01D	11/08/06	30	PH	7.61	pH Units
INORG	CPA-01D	11/08/06	30	PHOSPHORUS, TOTAL (AS P)	590	mg/kg
INORG	CPA-01D	11/08/06	30	PHOSPHORUS, TOTAL (AS P)	650	mg/kg
INORG	CPA-01D	11/08/06	30	POTASSIUM	2000	mg/kg
INORG	CPA-01D	11/08/06	30	SILVER	0.17	mg/kg
INORG	CPA-01D	11/08/06	30	SODIUM	1400	mg/kg
INORG	CPA-01D	11/08/06	30	STRONTIUM	140	mg/kg
INORG	CPA-01D	11/08/06	30	SULFATE	290	mg/kg
INORG	CPA-01D	11/08/06	30	SULFUR	284	mg/KG
INORG	CPA-01D	11/08/06	30	THALLIUM	0.12	mg/kg
INORG	CPA-01D	11/08/06	30	TITANIUM	380	mg/kg
INORG	CPA-01D	11/08/06	30	VANADIUM	37	mg/kg
INORG	CPA-01D	11/08/06	30	ZINC	23J+	mg/kg
INORG	CPA-01D	11/08/06	50	ALKALINITY AS CACO3	21000	mg/kg
INORG	CPA-01D	11/08/06	50	ALKALINITY, BICARBONATE (AS CACO3)	19000	mg/kg
INORG	CPA-01D	11/08/06	50	ALKALINITY, CARBONATE (AS CACO3)	1600	mg/kg
INORG	CPA-01D	11/08/06	50	ALUMINUM	10000	mg/kg
INORG	CPA-01D	11/08/06	50	AMMONIA	1.0J-	mg/kg
INORG	CPA-01D	11/08/06	50	ARSENIC	17	mg/kg
INORG	CPA-01D	11/08/06	50	BARIUM	150	mg/kg
INORG	CPA-01D	11/08/06	50	BERYLLIUM	0.56	mg/kg
INORG	CPA-01D	11/08/06	50	BORON	22	mg/kg
INORG	CPA-01D	11/08/06	50	CADMIUM	0.036	mg/kg
INORG	CPA-01D	11/08/06	50	CALCIUM	7500J	mg/kg
INORG	CPA-01D	11/08/06	50	CHLORIDE	900	mg/kg
INORG	CPA-01D	11/08/06	50	CHROMIUM	30	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-01D	11/08/06	50	COBALT	4.9	mg/kg
INORG	CPA-01D	11/08/06	50	COPPER	12	mg/kg
INORG	CPA-01D	11/08/06	50	FLUORIDE	2.1	mg/kg
INORG	CPA-01D	11/08/06	50	IRON	10000	mg/kg
INORG	CPA-01D	11/08/06	50	LEAD	5.4	mg/kg
INORG	CPA-01D	11/08/06	50	LITHIUM	51	mg/kg
INORG	CPA-01D	11/08/06	50	MAGNESIUM	25000	mg/kg
INORG	CPA-01D	11/08/06	50	MANGANESE	180	mg/kg
INORG	CPA-01D	11/08/06	50	MERCURY	0.011	mg/kg
INORG	CPA-01D	11/08/06	50	NICKEL	11	mg/kg
INORG	CPA-01D	11/08/06	50	PH	7.79	pH Units
INORG	CPA-01D	11/08/06	50	PHOSPHORUS, TOTAL (AS P)	460	mg/kg
INORG	CPA-01D	11/08/06	50	PHOSPHORUS, TOTAL (AS P)	520	mg/kg
INORG	CPA-01D	11/08/06	50	POTASSIUM	2300	mg/kg
INORG	CPA-01D	11/08/06	50	SILVER	0.15	mg/kg
INORG	CPA-01D	11/08/06	50	SODIUM	1500	mg/kg
INORG	CPA-01D	11/08/06	50	STRONTIUM	53	mg/kg
INORG	CPA-01D	11/08/06	50	SULFATE	1400	mg/kg
INORG	CPA-01D	11/08/06	50	SULFUR	1040	mg/KG
INORG	CPA-01D	11/08/06	50	THALLIUM	0.13	mg/kg
INORG	CPA-01D	11/08/06	50	TITANIUM	410	mg/kg
INORG	CPA-01D	11/08/06	50	VANADIUM	27	mg/kg
INORG	CPA-01D	11/08/06	50	ZINC	31J+	mg/kg
INORG	CPA-02D	11/14/06	5	ALKALINITY AS CACO3	23000	mg/kg
INORG	CPA-02D	11/14/06	5	ALKALINITY, BICARBONATE (AS CACO3)	22000	mg/kg
INORG	CPA-02D	11/14/06	5	ALKALINITY, CARBONATE (AS CACO3)	1200	mg/kg
INORG	CPA-02D	11/14/06	5	ALUMINUM	5600	mg/kg
INORG	CPA-02D	11/14/06	5	ARSENIC	2.9	mg/kg
INORG	CPA-02D	11/14/06	5	BARIUM	140J-	mg/kg
INORG	CPA-02D	11/14/06	5	BERYLLIUM	0.39	mg/kg
INORG	CPA-02D	11/14/06	5	CADMIUM	0.086	mg/kg
INORG	CPA-02D	11/14/06	5	CALCIUM	37000	mg/kg
INORG	CPA-02D	11/14/06	5	CHLORIDE	130	mg/kg
INORG	CPA-02D	11/14/06	5	CHROMIUM	7.8	mg/kg
INORG	CPA-02D	11/14/06	5	COBALT	4.2	mg/kg
INORG	CPA-02D	11/14/06	5	COPPER	11	mg/kg
INORG	CPA-02D	11/14/06	5	IRON	8700	mg/kg
INORG	CPA-02D	11/14/06	5	LEAD	5.7	mg/kg
INORG	CPA-02D	11/14/06	5	MAGNESIUM	7200	mg/kg
INORG	CPA-02D	11/14/06	5	MANGANESE	230J-	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-02D	11/14/06	5	MOLYBDENUM	0.55	mg/kg
INORG	CPA-02D	11/14/06	5	NICKEL	12	mg/kg
INORG	CPA-02D	11/14/06	5	NITRATE	23	mg/kg
INORG	CPA-02D	11/14/06	5	PH	8.37	pH Units
INORG	CPA-02D	11/14/06	5	PHOSPHORUS, TOTAL (AS P)	840	mg/kg
INORG	CPA-02D	11/14/06	5	PHOSPHORUS, TOTAL (AS P)	890	mg/kg
INORG	CPA-02D	11/14/06	5	POTASSIUM	2800	mg/kg
INORG	CPA-02D	11/14/06	5	SILVER	0.087	mg/kg
INORG	CPA-02D	11/14/06	5	SODIUM	230	mg/kg
INORG	CPA-02D	11/14/06	5	STRONTIUM	220	mg/kg
INORG	CPA-02D	11/14/06	5	SULFATE	120	mg/kg
INORG	CPA-02D	11/14/06	5	SULFUR	338	mg/KG
INORG	CPA-02D	11/14/06	5	THALLIUM	0.19	mg/kg
INORG	CPA-02D	11/14/06	5	TITANIUM	410	mg/kg
INORG	CPA-02D	11/14/06	5	VANADIUM	21J-	mg/kg
INORG	CPA-02D	11/14/06	5	ZINC	24J-	mg/kg
INORG	CPA-02D	11/14/06	10	ALKALINITY AS CACO3	6600	mg/kg
INORG	CPA-02D	11/14/06	10	ALKALINITY, BICARBONATE (AS CACO3)	5600	mg/kg
INORG	CPA-02D	11/14/06	10	ALKALINITY, CARBONATE (AS CACO3)	1000	mg/kg
INORG	CPA-02D	11/14/06	10	ALUMINUM	9100	mg/kg
INORG	CPA-02D	11/14/06	10	AMMONIA	1.1J-	mg/kg
INORG	CPA-02D	11/14/06	10	ARSENIC	3.1	mg/kg
INORG	CPA-02D	11/14/06	10	BARIUM	160J-	mg/kg
INORG	CPA-02D	11/14/06	10	BERYLLIUM	0.63	mg/kg
INORG	CPA-02D	11/14/06	10	CADMIUM	0.073	mg/kg
INORG	CPA-02D	11/14/06	10	CALCIUM	30000	mg/kg
INORG	CPA-02D	11/14/06	10	CHLORIDE	120	mg/kg
INORG	CPA-02D	11/14/06	10	CHROMIUM	9.3	mg/kg
INORG	CPA-02D	11/14/06	10	COBALT	7.1	mg/kg
INORG	CPA-02D	11/14/06	10	COPPER	15	mg/kg
INORG	CPA-02D	11/14/06	10	IRON	13000	mg/kg
INORG	CPA-02D	11/14/06	10	LEAD	7.4	mg/kg
INORG	CPA-02D	11/14/06	10	LITHIUM	24	mg/kg
INORG	CPA-02D	11/14/06	10	MAGNESIUM	9800	mg/kg
INORG	CPA-02D	11/14/06	10	MANGANESE	380J-	mg/kg
INORG	CPA-02D	11/14/06	10	MOLYBDENUM	0.62	mg/kg
INORG	CPA-02D	11/14/06	10	NICKEL	18	mg/kg
INORG	CPA-02D	11/14/06	10	NITRATE	21	mg/kg
INORG	CPA-02D	11/14/06	10	PH	8.34	pH Units
INORG	CPA-02D	11/14/06	10	PHOSPHORUS, TOTAL (AS P)	1100	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-02D	11/14/06	10	PHOSPHORUS, TOTAL (AS P)	750	mg/kg
INORG	CPA-02D	11/14/06	10	POTASSIUM	2500	mg/kg
INORG	CPA-02D	11/14/06	10	SILVER	0.097	mg/kg
INORG	CPA-02D	11/14/06	10	SODIUM	650	mg/kg
INORG	CPA-02D	11/14/06	10	STRONTIUM	210	mg/kg
INORG	CPA-02D	11/14/06	10	SULFATE	100	mg/kg
INORG	CPA-02D	11/14/06	10	SULFUR	290	mg/KG
INORG	CPA-02D	11/14/06	10	THALLIUM	0.12	mg/kg
INORG	CPA-02D	11/14/06	10	TITANIUM	520	mg/kg
INORG	CPA-02D	11/14/06	10	VANADIUM	31J-	mg/kg
INORG	CPA-02D	11/14/06	10	ZINC	32J-	mg/kg
INORG	CPA-02D	11/14/06	30	ALKALINITY AS CACO3	23000	mg/kg
INORG	CPA-02D	11/14/06	30	ALKALINITY, BICARBONATE (AS CACO3)	22000	mg/kg
INORG	CPA-02D	11/14/06	30	ALKALINITY, CARBONATE (AS CACO3)	1400	mg/kg
INORG	CPA-02D	11/14/06	30	ALUMINUM	8400	mg/kg
INORG	CPA-02D	11/14/06	30	AMMONIA	0.88J-	mg/kg
INORG	CPA-02D	11/14/06	30	ARSENIC	8.6	mg/kg
INORG	CPA-02D	11/14/06	30	BARIUM	160J-	mg/kg
INORG	CPA-02D	11/14/06	30	BERYLLIUM	0.51	mg/kg
INORG	CPA-02D	11/14/06	30	CALCIUM	2900	mg/kg
INORG	CPA-02D	11/14/06	30	CHLORIDE	630	mg/kg
INORG	CPA-02D	11/14/06	30	CHROMIUM	19	mg/kg
INORG	CPA-02D	11/14/06	30	COBALT	3.9	mg/kg
INORG	CPA-02D	11/14/06	30	COPPER	11	mg/kg
INORG	CPA-02D	11/14/06	30	IRON	11000	mg/kg
INORG	CPA-02D	11/14/06	30	LEAD	6.9	mg/kg
INORG	CPA-02D	11/14/06	30	MAGNESIUM	7500	mg/kg
INORG	CPA-02D	11/14/06	30	MANGANESE	120J-	mg/kg
INORG	CPA-02D	11/14/06	30	MOLYBDENUM	0.84	mg/kg
INORG	CPA-02D	11/14/06	30	NICKEL	7.7	mg/kg
INORG	CPA-02D	11/14/06	30	NITRATE	1.4	mg/kg
INORG	CPA-02D	11/14/06	30	PH	8.08	pH Units
INORG	CPA-02D	11/14/06	30	PHOSPHORUS, TOTAL (AS P)	270	mg/kg
INORG	CPA-02D	11/14/06	30	PHOSPHORUS, TOTAL (AS P)	320	mg/kg
INORG	CPA-02D	11/14/06	30	POTASSIUM	2700	mg/kg
INORG	CPA-02D	11/14/06	30	SILVER	0.36	mg/kg
INORG	CPA-02D	11/14/06	30	SODIUM	1700	mg/kg
INORG	CPA-02D	11/14/06	30	STRONTIUM	200	mg/kg
INORG	CPA-02D	11/14/06	30	SULFATE	150	mg/kg
INORG	CPA-02D	11/14/06	30	SULFUR	92	mg/KG

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-02D	11/14/06	30	THALLIUM	0.21	mg/kg
INORG	CPA-02D	11/14/06	30	TITANIUM	760	mg/kg
INORG	CPA-02D	11/14/06	30	VANADIUM	37J-	mg/kg
INORG	CPA-02D	11/14/06	30	ZINC	25J-	mg/kg
INORG	CPA-02D	11/15/06	50	ALKALINITY AS CACO3	650	mg/kg
INORG	CPA-02D	11/15/06	50	ALKALINITY, BICARBONATE (AS CACO3)	650	mg/kg
INORG	CPA-02D	11/15/06	50	ALUMINUM	7000	mg/kg
INORG	CPA-02D	11/15/06	50	AMMONIA	2.2J-	mg/kg
INORG	CPA-02D	11/15/06	50	ARSENIC	6.9	mg/kg
INORG	CPA-02D	11/15/06	50	BARIUM	45J-	mg/kg
INORG	CPA-02D	11/15/06	50	BERYLLIUM	0.37	mg/kg
INORG	CPA-02D	11/15/06	50	CADMIUM	0.10	mg/kg
INORG	CPA-02D	11/15/06	50	CALCIUM	5600	mg/kg
INORG	CPA-02D	11/15/06	50	CHLORIDE	890	mg/kg
INORG	CPA-02D	11/15/06	50	CHROMIUM	16	mg/kg
INORG	CPA-02D	11/15/06	50	COBALT	4.0	mg/kg
INORG	CPA-02D	11/15/06	50	COPPER	11	mg/kg
INORG	CPA-02D	11/15/06	50	FLUORIDE	2.3	mg/kg
INORG	CPA-02D	11/15/06	50	IRON	7700	mg/kg
INORG	CPA-02D	11/15/06	50	LEAD	5.9	mg/kg
INORG	CPA-02D	11/15/06	50	LITHIUM	29	mg/kg
INORG	CPA-02D	11/15/06	50	MAGNESIUM	15000	mg/kg
INORG	CPA-02D	11/15/06	50	MANGANESE	460J-	mg/kg
INORG	CPA-02D	11/15/06	50	MOLYBDENUM	0.55	mg/kg
INORG	CPA-02D	11/15/06	50	NICKEL	9.9	mg/kg
INORG	CPA-02D	11/15/06	50	PH	6.95	pH Units
INORG	CPA-02D	11/15/06	50	PHOSPHORUS, TOTAL (AS P)	410	mg/kg
INORG	CPA-02D	11/15/06	50	PHOSPHORUS, TOTAL (AS P)	730	mg/kg
INORG	CPA-02D	11/15/06	50	POTASSIUM	2200	mg/kg
INORG	CPA-02D	11/15/06	50	SILVER	0.094	mg/kg
INORG	CPA-02D	11/15/06	50	SODIUM	1400	mg/kg
INORG	CPA-02D	11/15/06	50	STRONTIUM	83	mg/kg
INORG	CPA-02D	11/15/06	50	SULFATE	980	mg/kg
INORG	CPA-02D	11/15/06	50	SULFUR	619	mg/KG
INORG	CPA-02D	11/15/06	50	THALLIUM	0.35	mg/kg
INORG	CPA-02D	11/15/06	50	TITANIUM	360	mg/kg
INORG	CPA-02D	11/15/06	50	VANADIUM	18J-	mg/kg
INORG	CPA-02D	11/15/06	50	ZINC	28J-	mg/kg
INORG	CPA-03D	11/15/06	5	ALKALINITY AS CACO3	16000	mg/kg
INORG	CPA-03D	11/15/06	5	ALKALINITY, BICARBONATE (AS CACO3)	15000	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-03D	11/15/06	5	ALKALINITY, CARBONATE (AS CACO3)	300	mg/kg
INORG	CPA-03D	11/15/06	5	ALUMINUM	6000	mg/kg
INORG	CPA-03D	11/15/06	5	ARSENIC	3.0	mg/kg
INORG	CPA-03D	11/15/06	5	BARIUM	130J-	mg/kg
INORG	CPA-03D	11/15/06	5	BERYLLIUM	0.40	mg/kg
INORG	CPA-03D	11/15/06	5	CADMIUM	0.14	mg/kg
INORG	CPA-03D	11/15/06	5	CALCIUM	35000	mg/kg
INORG	CPA-03D	11/15/06	5	CHLORIDE	320	mg/kg
INORG	CPA-03D	11/15/06	5	CHROMIUM	6.2	mg/kg
INORG	CPA-03D	11/15/06	5	COBALT	4.0	mg/kg
INORG	CPA-03D	11/15/06	5	COPPER	12	mg/kg
INORG	CPA-03D	11/15/06	5	FLUORIDE	2.1	mg/kg
INORG	CPA-03D	11/15/06	5	IRON	7300	mg/kg
INORG	CPA-03D	11/15/06	5	LEAD	5.4	mg/kg
INORG	CPA-03D	11/15/06	5	MAGNESIUM	7000	mg/kg
INORG	CPA-03D	11/15/06	5	MANGANESE	190J-	mg/kg
INORG	CPA-03D	11/15/06	5	MERCURY	0.0083	mg/kg
INORG	CPA-03D	11/15/06	5	MOLYBDENUM	0.45	mg/kg
INORG	CPA-03D	11/15/06	5	NICKEL	11	mg/kg
INORG	CPA-03D	11/15/06	5	NITRATE	25	mg/kg
INORG	CPA-03D	11/15/06	5	PH	7.43	pH Units
INORG	CPA-03D	11/15/06	5	PHOSPHORUS, TOTAL (AS P)	590	mg/kg
INORG	CPA-03D	11/15/06	5	PHOSPHORUS, TOTAL (AS P)	590	mg/kg
INORG	CPA-03D	11/15/06	5	POTASSIUM	1900	mg/kg
INORG	CPA-03D	11/15/06	5	SILVER	0.16	mg/kg
INORG	CPA-03D	11/15/06	5	SODIUM	630	mg/kg
INORG	CPA-03D	11/15/06	5	STRONTIUM	190	mg/kg
INORG	CPA-03D	11/15/06	5	SULFATE	290	mg/kg
INORG	CPA-03D	11/15/06	5	SULFUR	681	mg/KG
INORG	CPA-03D	11/15/06	5	TITANIUM	350	mg/kg
INORG	CPA-03D	11/15/06	5	VANADIUM	17J-	mg/kg
INORG	CPA-03D	11/15/06	5	ZINC	24J-	mg/kg
INORG	CPA-03D	11/15/06	10	ALKALINITY AS CACO3	11000	mg/kg
INORG	CPA-03D	11/15/06	10	ALKALINITY, BICARBONATE (AS CACO3)	11000	mg/kg
INORG	CPA-03D	11/15/06	10	ALKALINITY, CARBONATE (AS CACO3)	600	mg/kg
INORG	CPA-03D	11/15/06	10	ALUMINUM	6300	mg/kg
INORG	CPA-03D	11/15/06	10	ARSENIC	3.4	mg/kg
INORG	CPA-03D	11/15/06	10	BARIUM	140J-	mg/kg
INORG	CPA-03D	11/15/06	10	BERYLLIUM	0.40	mg/kg
INORG	CPA-03D	11/15/06	10	CADMIUM	0.20	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-03D	11/15/06	10	CALCIUM	44000	mg/kg
INORG	CPA-03D	11/15/06	10	CHLORIDE	210	mg/kg
INORG	CPA-03D	11/15/06	10	CHROMIUM	9.4	mg/kg
INORG	CPA-03D	11/15/06	10	COBALT	5.4	mg/kg
INORG	CPA-03D	11/15/06	10	COPPER	15	mg/kg
INORG	CPA-03D	11/15/06	10	FLUORIDE	2.5	mg/kg
INORG	CPA-03D	11/15/06	10	IRON	11000	mg/kg
INORG	CPA-03D	11/15/06	10	LEAD	5.8	mg/kg
INORG	CPA-03D	11/15/06	10	MAGNESIUM	7700	mg/kg
INORG	CPA-03D	11/15/06	10	MANGANESE	240J-	mg/kg
INORG	CPA-03D	11/15/06	10	MOLYBDENUM	0.49	mg/kg
INORG	CPA-03D	11/15/06	10	NICKEL	13	mg/kg
INORG	CPA-03D	11/15/06	10	NITRATE	6.1	mg/kg
INORG	CPA-03D	11/15/06	10	PH	8.28	pH Units
INORG	CPA-03D	11/15/06	10	PHOSPHORUS, TOTAL (AS P)	890	mg/kg
INORG	CPA-03D	11/15/06	10	PHOSPHORUS, TOTAL (AS P)	970	mg/kg
INORG	CPA-03D	11/15/06	10	POTASSIUM	2300	mg/kg
INORG	CPA-03D	11/15/06	10	SILVER	0.15	mg/kg
INORG	CPA-03D	11/15/06	10	SODIUM	580	mg/kg
INORG	CPA-03D	11/15/06	10	STRONTIUM	220	mg/kg
INORG	CPA-03D	11/15/06	10	SULFATE	86	mg/kg
INORG	CPA-03D	11/15/06	10	SULFUR	329	mg/KG
INORG	CPA-03D	11/15/06	10	TITANIUM	620	mg/kg
INORG	CPA-03D	11/15/06	10	VANADIUM	36J-	mg/kg
INORG	CPA-03D	11/15/06	10	ZINC	31J-	mg/kg
INORG	CPA-03D	11/15/06	30	ALKALINITY AS CACO3	18000	mg/kg
INORG	CPA-03D	11/15/06	30	ALKALINITY, BICARBONATE (AS CACO3)	17000	mg/kg
INORG	CPA-03D	11/15/06	30	ALKALINITY, CARBONATE (AS CACO3)	800	mg/kg
INORG	CPA-03D	11/15/06	30	ALUMINUM	6200	mg/kg
INORG	CPA-03D	11/15/06	30	ARSENIC	7.4	mg/kg
INORG	CPA-03D	11/15/06	30	BARIUM	160J-	mg/kg
INORG	CPA-03D	11/15/06	30	BERYLLIUM	0.38	mg/kg
INORG	CPA-03D	11/15/06	30	CADMIUM	0.065	mg/kg
INORG	CPA-03D	11/15/06	30	CALCIUM	14000	mg/kg
INORG	CPA-03D	11/15/06	30	CHLORIDE	180	mg/kg
INORG	CPA-03D	11/15/06	30	CHROMIUM	11	mg/kg
INORG	CPA-03D	11/15/06	30	COBALT	4.4	mg/kg
INORG	CPA-03D	11/15/06	30	COPPER	11	mg/kg
INORG	CPA-03D	11/15/06	30	FLUORIDE	1.7	mg/kg
INORG	CPA-03D	11/15/06	30	IRON	8500	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-03D	11/15/06	30	LEAD	6.3	mg/kg
INORG	CPA-03D	11/15/06	30	LITHIUM	21	mg/kg
INORG	CPA-03D	11/15/06	30	MAGNESIUM	6900	mg/kg
INORG	CPA-03D	11/15/06	30	MANGANESE	140J-	mg/kg
INORG	CPA-03D	11/15/06	30	MOLYBDENUM	0.54	mg/kg
INORG	CPA-03D	11/15/06	30	NICKEL	6.7	mg/kg
INORG	CPA-03D	11/15/06	30	PH	8.50	pH Units
INORG	CPA-03D	11/15/06	30	PHOSPHORUS, TOTAL (AS P)	480	mg/kg
INORG	CPA-03D	11/15/06	30	PHOSPHORUS, TOTAL (AS P)	540	mg/kg
INORG	CPA-03D	11/15/06	30	POTASSIUM	2000	mg/kg
INORG	CPA-03D	11/15/06	30	SILVER	0.22	mg/kg
INORG	CPA-03D	11/15/06	30	SODIUM	1900	mg/kg
INORG	CPA-03D	11/15/06	30	STRONTIUM	260	mg/kg
INORG	CPA-03D	11/15/06	30	SULFATE	890	mg/kg
INORG	CPA-03D	11/15/06	30	SULFUR	1680	mg/KG
INORG	CPA-03D	11/15/06	30	TITANIUM	620	mg/kg
INORG	CPA-03D	11/15/06	30	VANADIUM	36J-	mg/kg
INORG	CPA-03D	11/15/06	30	ZINC	23J-	mg/kg
INORG	CPA-03D	11/15/06	50	ALKALINITY AS CACO3	3000	mg/kg
INORG	CPA-03D	11/15/06	50	ALKALINITY, BICARBONATE (AS CACO3)	3000	mg/kg
INORG	CPA-03D	11/15/06	50	ALUMINUM	8600	mg/kg
INORG	CPA-03D	11/15/06	50	ARSENIC	10	mg/kg
INORG	CPA-03D	11/15/06	50	BARIUM	26J-	mg/kg
INORG	CPA-03D	11/15/06	50	BERYLLIUM	0.46	mg/kg
INORG	CPA-03D	11/15/06	50	CADMIUM	0.10	mg/kg
INORG	CPA-03D	11/15/06	50	CALCIUM	2700	mg/kg
INORG	CPA-03D	11/15/06	50	CHLORIDE	450	mg/kg
INORG	CPA-03D	11/15/06	50	CHROMIUM	25	mg/kg
INORG	CPA-03D	11/15/06	50	COBALT	3.4	mg/kg
INORG	CPA-03D	11/15/06	50	COPPER	11	mg/kg
INORG	CPA-03D	11/15/06	50	FLUORIDE	2.0	mg/kg
INORG	CPA-03D	11/15/06	50	IRON	9400	mg/kg
INORG	CPA-03D	11/15/06	50	LEAD	4.9	mg/kg
INORG	CPA-03D	11/15/06	50	LITHIUM	41	mg/kg
INORG	CPA-03D	11/15/06	50	MAGNESIUM	18000	mg/kg
INORG	CPA-03D	11/15/06	50	MANGANESE	170J-	mg/kg
INORG	CPA-03D	11/15/06	50	MOLYBDENUM	0.82	mg/kg
INORG	CPA-03D	11/15/06	50	NICKEL	8.8	mg/kg
INORG	CPA-03D	11/15/06	50	PH	8.16	pH Units
INORG	CPA-03D	11/15/06	50	PHOSPHORUS, TOTAL (AS P)	420	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-03D	11/15/06	50	PHOSPHORUS, TOTAL (AS P)	650	mg/kg
INORG	CPA-03D	11/15/06	50	POTASSIUM	2500	mg/kg
INORG	CPA-03D	11/15/06	50	SILVER	0.10	mg/kg
INORG	CPA-03D	11/15/06	50	SODIUM	940	mg/kg
INORG	CPA-03D	11/15/06	50	STRONTIUM	66	mg/kg
INORG	CPA-03D	11/15/06	50	SULFATE	630	mg/kg
INORG	CPA-03D	11/15/06	50	SULFUR	355	mg/KG
INORG	CPA-03D	11/15/06	50	THALLIUM	0.11	mg/kg
INORG	CPA-03D	11/15/06	50	TITANIUM	480	mg/kg
INORG	CPA-03D	11/15/06	50	VANADIUM	19J-	mg/kg
INORG	CPA-03D	11/15/06	50	ZINC	63J-	mg/kg
INORG	CPA-04D	11/16/06	5	ALKALINITY AS CACO3	24000	mg/kg
INORG	CPA-04D	11/16/06	5	ALKALINITY, BICARBONATE (AS CACO3)	24000	mg/kg
INORG	CPA-04D	11/16/06	5	ALKALINITY, CARBONATE (AS CACO3)	600	mg/kg
INORG	CPA-04D	11/16/06	5	ALUMINUM	5600	mg/kg
INORG	CPA-04D	11/16/06	5	ARSENIC	2.1	mg/kg
INORG	CPA-04D	11/16/06	5	BARIUM	140J+	mg/kg
INORG	CPA-04D	11/16/06	5	BERYLLIUM	0.39	mg/kg
INORG	CPA-04D	11/16/06	5	CADMIUM	0.066	mg/kg
INORG	CPA-04D	11/16/06	5	CALCIUM	34000	mg/kg
INORG	CPA-04D	11/16/06	5	CHLORIDE	320	mg/kg
INORG	CPA-04D	11/16/06	5	CHROMIUM	4.7	mg/kg
INORG	CPA-04D	11/16/06	5	COBALT	4.3	mg/kg
INORG	CPA-04D	11/16/06	5	COPPER	8.9	mg/kg
INORG	CPA-04D	11/16/06	5	FLUORIDE	2.0	mg/kg
INORG	CPA-04D	11/16/06	5	IRON	6900	mg/kg
INORG	CPA-04D	11/16/06	5	LEAD	5.9	mg/kg
INORG	CPA-04D	11/16/06	5	LITHIUM	13	mg/kg
INORG	CPA-04D	11/16/06	5	MAGNESIUM	6200	mg/kg
INORG	CPA-04D	11/16/06	5	MANGANESE	220	mg/kg
INORG	CPA-04D	11/16/06	5	MERCURY	0.014	mg/kg
INORG	CPA-04D	11/16/06	5	MOLYBDENUM	0.38	mg/kg
INORG	CPA-04D	11/16/06	5	NICKEL	11J-	mg/kg
INORG	CPA-04D	11/16/06	5	NITRATE	11	mg/kg
INORG	CPA-04D	11/16/06	5	PH	7.41	pH Units
INORG	CPA-04D	11/16/06	5	PHOSPHORUS, TOTAL (AS P)	690	mg/kg
INORG	CPA-04D	11/16/06	5	PHOSPHORUS, TOTAL (AS P)	780	mg/kg
INORG	CPA-04D	11/16/06	5	POTASSIUM	2000	mg/kg
INORG	CPA-04D	11/16/06	5	SILVER	0.090	mg/kg
INORG	CPA-04D	11/16/06	5	SODIUM	460J+	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-04D	11/16/06	5	STRONTIUM	170	mg/kg
INORG	CPA-04D	11/16/06	5	SULFATE	84	mg/kg
INORG	CPA-04D	11/16/06	5	SULFUR	280	mg/KG
INORG	CPA-04D	11/16/06	5	THALLIUM	0.18	mg/kg
INORG	CPA-04D	11/16/06	5	TITANIUM	310	mg/kg
INORG	CPA-04D	11/16/06	5	VANADIUM	14	mg/kg
INORG	CPA-04D	11/16/06	5	ZINC	17	mg/kg
INORG	CPA-04D	11/16/06	10	ALKALINITY AS CACO3	18000	mg/kg
INORG	CPA-04D	11/16/06	10	ALKALINITY, BICARBONATE (AS CACO3)	17000	mg/kg
INORG	CPA-04D	11/16/06	10	ALKALINITY, CARBONATE (AS CACO3)	600	mg/kg
INORG	CPA-04D	11/16/06	10	ALUMINUM	4600	mg/kg
INORG	CPA-04D	11/16/06	10	ARSENIC	2.1	mg/kg
INORG	CPA-04D	11/16/06	10	BARIUM	94J+	mg/kg
INORG	CPA-04D	11/16/06	10	BERYLLIUM	0.33	mg/kg
INORG	CPA-04D	11/16/06	10	CADMIUM	0.031	mg/kg
INORG	CPA-04D	11/16/06	10	CALCIUM	31000	mg/kg
INORG	CPA-04D	11/16/06	10	CHLORIDE	200	mg/kg
INORG	CPA-04D	11/16/06	10	CHROMIUM	5.8	mg/kg
INORG	CPA-04D	11/16/06	10	COBALT	4.1	mg/kg
INORG	CPA-04D	11/16/06	10	COPPER	9.6	mg/kg
INORG	CPA-04D	11/16/06	10	FLUORIDE	2.1	mg/kg
INORG	CPA-04D	11/16/06	10	IRON	7400	mg/kg
INORG	CPA-04D	11/16/06	10	LEAD	3.4	mg/kg
INORG	CPA-04D	11/16/06	10	LITHIUM	12	mg/kg
INORG	CPA-04D	11/16/06	10	MAGNESIUM	6800	mg/kg
INORG	CPA-04D	11/16/06	10	MANGANESE	150	mg/kg
INORG	CPA-04D	11/16/06	10	MERCURY	0.0087	mg/kg
INORG	CPA-04D	11/16/06	10	MOLYBDENUM	0.35	mg/kg
INORG	CPA-04D	11/16/06	10	NICKEL	13J-	mg/kg
INORG	CPA-04D	11/16/06	10	NITRATE	17	mg/kg
INORG	CPA-04D	11/16/06	10	PH	7.79	pH Units
INORG	CPA-04D	11/16/06	10	PHOSPHORUS, TOTAL (AS P)	690	mg/kg
INORG	CPA-04D	11/16/06	10	PHOSPHORUS, TOTAL (AS P)	700	mg/kg
INORG	CPA-04D	11/16/06	10	POTASSIUM	1500	mg/kg
INORG	CPA-04D	11/16/06	10	SILVER	0.11	mg/kg
INORG	CPA-04D	11/16/06	10	SODIUM	580J+	mg/kg
INORG	CPA-04D	11/16/06	10	STRONTIUM	170	mg/kg
INORG	CPA-04D	11/16/06	10	SULFATE	100	mg/kg
INORG	CPA-04D	11/16/06	10	SULFUR	324	mg/KG
INORG	CPA-04D	11/16/06	10	THALLIUM	0.16	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-04D	11/16/06	10	TITANIUM	370	mg/kg
INORG	CPA-04D	11/16/06	10	VANADIUM	19	mg/kg
INORG	CPA-04D	11/16/06	10	ZINC	15	mg/kg
INORG	CPA-04D	11/16/06	30	ALKALINITY AS CACO3	1300	mg/kg
INORG	CPA-04D	11/16/06	30	ALKALINITY, BICARBONATE (AS CACO3)	1300	mg/kg
INORG	CPA-04D	11/16/06	30	ALUMINUM	5100	mg/kg
INORG	CPA-04D	11/16/06	30	ARSENIC	4.5	mg/kg
INORG	CPA-04D	11/16/06	30	BARIUM	95J+	mg/kg
INORG	CPA-04D	11/16/06	30	BERYLLIUM	0.36	mg/kg
INORG	CPA-04D	11/16/06	30	CALCIUM	2800	mg/kg
INORG	CPA-04D	11/16/06	30	CHLORIDE	1100	mg/kg
INORG	CPA-04D	11/16/06	30	CHROMIUM	4.8	mg/kg
INORG	CPA-04D	11/16/06	30	COBALT	2.5	mg/kg
INORG	CPA-04D	11/16/06	30	COPPER	8.8	mg/kg
INORG	CPA-04D	11/16/06	30	FLUORIDE	1.8	mg/kg
INORG	CPA-04D	11/16/06	30	IRON	6100	mg/kg
INORG	CPA-04D	11/16/06	30	LEAD	5.3	mg/kg
INORG	CPA-04D	11/16/06	30	LITHIUM	13	mg/kg
INORG	CPA-04D	11/16/06	30	MAGNESIUM	6300	mg/kg
INORG	CPA-04D	11/16/06	30	MANGANESE	68	mg/kg
INORG	CPA-04D	11/16/06	30	MERCURY	0.015	mg/kg
INORG	CPA-04D	11/16/06	30	MOLYBDENUM	0.40	mg/kg
INORG	CPA-04D	11/16/06	30	NICKEL	5.5J-	mg/kg
INORG	CPA-04D	11/16/06	30	NITRATE	0.82	mg/kg
INORG	CPA-04D	11/16/06	30	PH	7.50	pH Units
INORG	CPA-04D	11/16/06	30	PHOSPHORUS, TOTAL (AS P)	620	mg/kg
INORG	CPA-04D	11/16/06	30	PHOSPHORUS, TOTAL (AS P)	740	mg/kg
INORG	CPA-04D	11/16/06	30	POTASSIUM	1700	mg/kg
INORG	CPA-04D	11/16/06	30	SILVER	0.20	mg/kg
INORG	CPA-04D	11/16/06	30	SODIUM	2500J+	mg/kg
INORG	CPA-04D	11/16/06	30	STRONTIUM	220	mg/kg
INORG	CPA-04D	11/16/06	30	SULFATE	560	mg/kg
INORG	CPA-04D	11/16/06	30	SULFUR	830	mg/KG
INORG	CPA-04D	11/16/06	30	TITANIUM	370	mg/kg
INORG	CPA-04D	11/16/06	30	VANADIUM	23	mg/kg
INORG	CPA-04D	11/16/06	30	ZINC	14	mg/kg
INORG	CPA-04D	11/16/06	50	ALKALINITY AS CACO3	2100	mg/kg
INORG	CPA-04D	11/16/06	50	ALKALINITY, BICARBONATE (AS CACO3)	2000	mg/kg
INORG	CPA-04D	11/16/06	50	ALKALINITY, CARBONATE (AS CACO3)	100	mg/kg
INORG	CPA-04D	11/16/06	50	ALUMINUM	5800	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-04D	11/16/06	50	ARSENIC	6.8	mg/kg
INORG	CPA-04D	11/16/06	50	BARIUM	82J+	mg/kg
INORG	CPA-04D	11/16/06	50	BERYLLIUM	0.36	mg/kg
INORG	CPA-04D	11/16/06	50	CALCIUM	5800	mg/kg
INORG	CPA-04D	11/16/06	50	CHLORIDE	140	mg/kg
INORG	CPA-04D	11/16/06	50	CHROMIUM	8.6	mg/kg
INORG	CPA-04D	11/16/06	50	COBALT	2.7	mg/kg
INORG	CPA-04D	11/16/06	50	COPPER	9.7	mg/kg
INORG	CPA-04D	11/16/06	50	FLUORIDE	2.2	mg/kg
INORG	CPA-04D	11/16/06	50	IRON	6400	mg/kg
INORG	CPA-04D	11/16/06	50	LEAD	5.2	mg/kg
INORG	CPA-04D	11/16/06	50	LITHIUM	22	mg/kg
INORG	CPA-04D	11/16/06	50	MAGNESIUM	12000	mg/kg
INORG	CPA-04D	11/16/06	50	MANGANESE	100	mg/kg
INORG	CPA-04D	11/16/06	50	MOLYBDENUM	0.33	mg/kg
INORG	CPA-04D	11/16/06	50	NICKEL	5.8J-	mg/kg
INORG	CPA-04D	11/16/06	50	PH	8.84	pH Units
INORG	CPA-04D	11/16/06	50	PHOSPHORUS, TOTAL (AS P)	1500	mg/kg
INORG	CPA-04D	11/16/06	50	PHOSPHORUS, TOTAL (AS P)	590	mg/kg
INORG	CPA-04D	11/16/06	50	POTASSIUM	1800	mg/kg
INORG	CPA-04D	11/16/06	50	SILVER	0.22	mg/kg
INORG	CPA-04D	11/16/06	50	SODIUM	1300J+	mg/kg
INORG	CPA-04D	11/16/06	50	STRONTIUM	96	mg/kg
INORG	CPA-04D	11/16/06	50	SULFATE	150	mg/kg
INORG	CPA-04D	11/16/06	50	SULFUR	117	mg/KG
INORG	CPA-04D	11/16/06	50	TITANIUM	410	mg/kg
INORG	CPA-04D	11/16/06	50	VANADIUM	19	mg/kg
INORG	CPA-04D	11/16/06	50	ZINC	15	mg/kg
INORG	CPA-05D	11/16/06	0.5	ALKALINITY AS CACO3	12000	mg/kg
INORG	CPA-05D	11/16/06	0.5	ALKALINITY, BICARBONATE (AS CACO3)	12000	mg/kg
INORG	CPA-05D	11/16/06	0.5	ALKALINITY, CARBONATE (AS CACO3)	300	mg/kg
INORG	CPA-05D	11/16/06	0.5	ALUMINUM	5800	mg/kg
INORG	CPA-05D	11/16/06	0.5	ARSENIC	2.9	mg/kg
INORG	CPA-05D	11/16/06	0.5	BARIUM	160J+	mg/kg
INORG	CPA-05D	11/16/06	0.5	BERYLLIUM	0.36	mg/kg
INORG	CPA-05D	11/16/06	0.5	CADMIUM	0.073	mg/kg
INORG	CPA-05D	11/16/06	0.5	CALCIUM	23000	mg/kg
INORG	CPA-05D	11/16/06	0.5	CHLORIDE	220	mg/kg
INORG	CPA-05D	11/16/06	0.5	CHROMIUM	13	mg/kg
INORG	CPA-05D	11/16/06	0.5	COBALT	4.4	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-05D	11/16/06	0.5	COPPER	10	mg/kg
INORG	CPA-05D	11/16/06	0.5	IRON	8000	mg/kg
INORG	CPA-05D	11/16/06	0.5	LEAD	16	mg/kg
INORG	CPA-05D	11/16/06	0.5	LITHIUM	15	mg/kg
INORG	CPA-05D	11/16/06	0.5	MAGNESIUM	7200	mg/kg
INORG	CPA-05D	11/16/06	0.5	MANGANESE	260	mg/kg
INORG	CPA-05D	11/16/06	0.5	MERCURY	0.016	mg/kg
INORG	CPA-05D	11/16/06	0.5	MOLYBDENUM	0.27	mg/kg
INORG	CPA-05D	11/16/06	0.5	NICKEL	9.2J-	mg/kg
INORG	CPA-05D	11/16/06	0.5	NITRATE	12	mg/kg
INORG	CPA-05D	11/16/06	0.5	PH	7.70	pH Units
INORG	CPA-05D	11/16/06	0.5	PHOSPHORUS, TOTAL (AS P)	560	mg/kg
INORG	CPA-05D	11/16/06	0.5	PHOSPHORUS, TOTAL (AS P)	860	mg/kg
INORG	CPA-05D	11/16/06	0.5	POTASSIUM	2100	mg/kg
INORG	CPA-05D	11/16/06	0.5	SILVER	0.073	mg/kg
INORG	CPA-05D	11/16/06	0.5	SODIUM	650J+	mg/kg
INORG	CPA-05D	11/16/06	0.5	STRONTIUM	240	mg/kg
INORG	CPA-05D	11/16/06	0.5	SULFATE	2100	mg/kg
INORG	CPA-05D	11/16/06	0.5	SULFUR	2930	mg/KG
INORG	CPA-05D	11/16/06	0.5	TITANIUM	340	mg/kg
INORG	CPA-05D	11/16/06	0.5	VANADIUM	24	mg/kg
INORG	CPA-05D	11/16/06	0.5	ZINC	24	mg/kg
INORG	CPA-05D	11/16/06	5	ALKALINITY AS CACO3	14000	mg/kg
INORG	CPA-05D	11/16/06	5	ALKALINITY, BICARBONATE (AS CACO3)	14000	mg/kg
INORG	CPA-05D	11/16/06	5	ALKALINITY, CARBONATE (AS CACO3)	200	mg/kg
INORG	CPA-05D	11/16/06	5	ALUMINUM	6600	mg/kg
INORG	CPA-05D	11/16/06	5	ARSENIC	3.3	mg/kg
INORG	CPA-05D	11/16/06	5	BARIUM	180J+	mg/kg
INORG	CPA-05D	11/16/06	5	BERYLLIUM	0.38	mg/kg
INORG	CPA-05D	11/16/06	5	CADMIUM	0.043	mg/kg
INORG	CPA-05D	11/16/06	5	CALCIUM	36000	mg/kg
INORG	CPA-05D	11/16/06	5	CHLORIDE	120	mg/kg
INORG	CPA-05D	11/16/06	5	CHROMIUM	6.6	mg/kg
INORG	CPA-05D	11/16/06	5	COBALT	5.5	mg/kg
INORG	CPA-05D	11/16/06	5	COPPER	10	mg/kg
INORG	CPA-05D	11/16/06	5	FLUORIDE	1.7	mg/kg
INORG	CPA-05D	11/16/06	5	IRON	9000	mg/kg
INORG	CPA-05D	11/16/06	5	LEAD	6.1	mg/kg
INORG	CPA-05D	11/16/06	5	LITHIUM	18	mg/kg
INORG	CPA-05D	11/16/06	5	MAGNESIUM	12000	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-05D	11/16/06	5	MANGANESE	260	mg/kg
INORG	CPA-05D	11/16/06	5	MERCURY	0.0082	mg/kg
INORG	CPA-05D	11/16/06	5	MOLYBDENUM	0.26	mg/kg
INORG	CPA-05D	11/16/06	5	NICKEL	11J-	mg/kg
INORG	CPA-05D	11/16/06	5	NITRATE	4.3	mg/kg
INORG	CPA-05D	11/16/06	5	PH	7.75	pH Units
INORG	CPA-05D	11/16/06	5	PHOSPHORUS, TOTAL (AS P)	610	mg/kg
INORG	CPA-05D	11/16/06	5	PHOSPHORUS, TOTAL (AS P)	820	mg/kg
INORG	CPA-05D	11/16/06	5	POTASSIUM	2200	mg/kg
INORG	CPA-05D	11/16/06	5	SILVER	0.093	mg/kg
INORG	CPA-05D	11/16/06	5	SODIUM	690J+	mg/kg
INORG	CPA-05D	11/16/06	5	STRONTIUM	330	mg/kg
INORG	CPA-05D	11/16/06	5	SULFATE	1700	mg/kg
INORG	CPA-05D	11/16/06	5	SULFUR	1020J-	mg/KG
INORG	CPA-05D	11/16/06	5	TITANIUM	350	mg/kg
INORG	CPA-05D	11/16/06	5	VANADIUM	23	mg/kg
INORG	CPA-05D	11/16/06	5	ZINC	20	mg/kg
INORG	CPA-05D	11/16/06	10	ALKALINITY AS CACO3	16000	mg/kg
INORG	CPA-05D	11/16/06	10	ALKALINITY, BICARBONATE (AS CACO3)	15000	mg/kg
INORG	CPA-05D	11/16/06	10	ALKALINITY, CARBONATE (AS CACO3)	700	mg/kg
INORG	CPA-05D	11/16/06	10	ALUMINUM	6600	mg/kg
INORG	CPA-05D	11/16/06	10	ARSENIC	2.4	mg/kg
INORG	CPA-05D	11/16/06	10	BARIUM	110J+	mg/kg
INORG	CPA-05D	11/16/06	10	BERYLLIUM	0.43	mg/kg
INORG	CPA-05D	11/16/06	10	CADMIUM	0.044	mg/kg
INORG	CPA-05D	11/16/06	10	CALCIUM	35000	mg/kg
INORG	CPA-05D	11/16/06	10	CHLORIDE	130	mg/kg
INORG	CPA-05D	11/16/06	10	CHROMIUM	6.6	mg/kg
INORG	CPA-05D	11/16/06	10	COBALT	5.0	mg/kg
INORG	CPA-05D	11/16/06	10	COPPER	11	mg/kg
INORG	CPA-05D	11/16/06	10	FLUORIDE	1.9	mg/kg
INORG	CPA-05D	11/16/06	10	IRON	9400	mg/kg
INORG	CPA-05D	11/16/06	10	LEAD	5.1	mg/kg
INORG	CPA-05D	11/16/06	10	LITHIUM	16	mg/kg
INORG	CPA-05D	11/16/06	10	MAGNESIUM	8600	mg/kg
INORG	CPA-05D	11/16/06	10	MANGANESE	210	mg/kg
INORG	CPA-05D	11/16/06	10	MOLYBDENUM	0.18	mg/kg
INORG	CPA-05D	11/16/06	10	NICKEL	11J-	mg/kg
INORG	CPA-05D	11/16/06	10	NITRATE	5.4	mg/kg
INORG	CPA-05D	11/16/06	10	PH	8.07	pH Units

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-05D	11/16/06	10	PHOSPHORUS, TOTAL (AS P)	710	mg/kg
INORG	CPA-05D	11/16/06	10	PHOSPHORUS, TOTAL (AS P)	760	mg/kg
INORG	CPA-05D	11/16/06	10	POTASSIUM	1700	mg/kg
INORG	CPA-05D	11/16/06	10	SILVER	0.081	mg/kg
INORG	CPA-05D	11/16/06	10	SODIUM	570J+	mg/kg
INORG	CPA-05D	11/16/06	10	STRONTIUM	240	mg/kg
INORG	CPA-05D	11/16/06	10	SULFATE	150	mg/kg
INORG	CPA-05D	11/16/06	10	SULFUR	348J-	mg/KG
INORG	CPA-05D	11/16/06	10	TITANIUM	390	mg/kg
INORG	CPA-05D	11/16/06	10	VANADIUM	23	mg/kg
INORG	CPA-05D	11/16/06	10	ZINC	22	mg/kg
INORG	CPA-05D	11/16/06	30	ALKALINITY AS CACO3	800	mg/kg
INORG	CPA-05D	11/16/06	30	ALKALINITY, BICARBONATE (AS CACO3)	760	mg/kg
INORG	CPA-05D	11/16/06	30	ALUMINUM	11000	mg/kg
INORG	CPA-05D	11/16/06	30	ARSENIC	14	mg/kg
INORG	CPA-05D	11/16/06	30	BARIUM	57J+	mg/kg
INORG	CPA-05D	11/16/06	30	BERYLLIUM	0.67	mg/kg
INORG	CPA-05D	11/16/06	30	BORON	31	mg/kg
INORG	CPA-05D	11/16/06	30	BROMIDE	4.6	mg/kg
INORG	CPA-05D	11/16/06	30	CADMIUM	0.034	mg/kg
INORG	CPA-05D	11/16/06	30	CALCIUM	5200	mg/kg
INORG	CPA-05D	11/16/06	30	CHLORIDE	1500	mg/kg
INORG	CPA-05D	11/16/06	30	CHROMIUM	21	mg/kg
INORG	CPA-05D	11/16/06	30	COBALT	5.0	mg/kg
INORG	CPA-05D	11/16/06	30	COPPER	11	mg/kg
INORG	CPA-05D	11/16/06	30	FLUORIDE	3.0	mg/kg
INORG	CPA-05D	11/16/06	30	IRON	11000	mg/kg
INORG	CPA-05D	11/16/06	30	LEAD	6.5	mg/kg
INORG	CPA-05D	11/16/06	30	LITHIUM	40	mg/kg
INORG	CPA-05D	11/16/06	30	MAGNESIUM	19000	mg/kg
INORG	CPA-05D	11/16/06	30	MANGANESE	170	mg/kg
INORG	CPA-05D	11/16/06	30	MOLYBDENUM	0.39	mg/kg
INORG	CPA-05D	11/16/06	30	NICKEL	11J-	mg/kg
INORG	CPA-05D	11/16/06	30	NITRATE	1.0	mg/kg
INORG	CPA-05D	11/16/06	30	PH	7.60	pH Units
INORG	CPA-05D	11/16/06	30	PHOSPHORUS, TOTAL (AS P)	610	mg/kg
INORG	CPA-05D	11/16/06	30	PHOSPHORUS, TOTAL (AS P)	860	mg/kg
INORG	CPA-05D	11/16/06	30	POTASSIUM	3300	mg/kg
INORG	CPA-05D	11/16/06	30	SILVER	0.17	mg/kg
INORG	CPA-05D	11/16/06	30	SODIUM	1900J+	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-05D	11/16/06	30	STRONTIUM	110	mg/kg
INORG	CPA-05D	11/16/06	30	SULFATE	990	mg/kg
INORG	CPA-05D	11/16/06	30	SULFUR	373J-	mg/KG
INORG	CPA-05D	11/16/06	30	THALLIUM	0.15	mg/kg
INORG	CPA-05D	11/16/06	30	TITANIUM	590	mg/kg
INORG	CPA-05D	11/16/06	30	VANADIUM	37	mg/kg
INORG	CPA-05D	11/16/06	30	ZINC	27	mg/kg
INORG	CPA-05D	11/16/06	50	ALKALINITY AS CACO3	30000	mg/kg
INORG	CPA-05D	11/16/06	50	ALKALINITY, BICARBONATE (AS CACO3)	30000	mg/kg
INORG	CPA-05D	11/16/06	50	ALKALINITY, CARBONATE (AS CACO3)	400	mg/kg
INORG	CPA-05D	11/16/06	50	ALUMINUM	4800	mg/kg
INORG	CPA-05D	11/16/06	50	ARSENIC	7.5	mg/kg
INORG	CPA-05D	11/16/06	50	BARIUM	16J+	mg/kg
INORG	CPA-05D	11/16/06	50	BERYLLIUM	0.35	mg/kg
INORG	CPA-05D	11/16/06	50	CADMIUM	0.067	mg/kg
INORG	CPA-05D	11/16/06	50	CALCIUM	120000	mg/kg
INORG	CPA-05D	11/16/06	50	CHLORIDE	110	mg/kg
INORG	CPA-05D	11/16/06	50	CHROMIUM	19	mg/kg
INORG	CPA-05D	11/16/06	50	COBALT	2.5	mg/kg
INORG	CPA-05D	11/16/06	50	COPPER	6.3	mg/kg
INORG	CPA-05D	11/16/06	50	FLUORIDE	2.9	mg/kg
INORG	CPA-05D	11/16/06	50	IRON	4500	mg/kg
INORG	CPA-05D	11/16/06	50	LEAD	2.4	mg/kg
INORG	CPA-05D	11/16/06	50	LITHIUM	26	mg/kg
INORG	CPA-05D	11/16/06	50	MAGNESIUM	11000	mg/kg
INORG	CPA-05D	11/16/06	50	MANGANESE	74	mg/kg
INORG	CPA-05D	11/16/06	50	MOLYBDENUM	0.32	mg/kg
INORG	CPA-05D	11/16/06	50	NICKEL	4.4J-	mg/kg
INORG	CPA-05D	11/16/06	50	PH	8.51	pH Units
INORG	CPA-05D	11/16/06	50	PHOSPHORUS, TOTAL (AS P)	250	mg/kg
INORG	CPA-05D	11/16/06	50	PHOSPHORUS, TOTAL (AS P)	340	mg/kg
INORG	CPA-05D	11/16/06	50	POTASSIUM	1400	mg/kg
INORG	CPA-05D	11/16/06	50	SILVER	0.10	mg/kg
INORG	CPA-05D	11/16/06	50	SODIUM	460J+	mg/kg
INORG	CPA-05D	11/16/06	50	STRONTIUM	110	mg/kg
INORG	CPA-05D	11/16/06	50	SULFATE	110	mg/kg
INORG	CPA-05D	11/16/06	50	SULFUR	211J-	mg/KG
INORG	CPA-05D	11/16/06	50	TITANIUM	230	mg/kg
INORG	CPA-05D	11/16/06	50	VANADIUM	10	mg/kg
INORG	CPA-05D	11/16/06	50	ZINC	11	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-06D	11/17/06	5	ALKALINITY AS CACO3	49000	mg/kg
INORG	CPA-06D	11/17/06	5	ALKALINITY, BICARBONATE (AS CACO3)	46000	mg/kg
INORG	CPA-06D	11/17/06	5	ALKALINITY, CARBONATE (AS CACO3)	3200	mg/kg
INORG	CPA-06D	11/17/06	5	ALUMINUM	6200	mg/kg
INORG	CPA-06D	11/17/06	5	ARSENIC	1.8	mg/kg
INORG	CPA-06D	11/17/06	5	BARIUM	120	mg/kg
INORG	CPA-06D	11/17/06	5	BERYLLIUM	0.53	mg/kg
INORG	CPA-06D	11/17/06	5	CADMIUM	0.52	mg/kg
INORG	CPA-06D	11/17/06	5	CALCIUM	35000J	mg/kg
INORG	CPA-06D	11/17/06	5	CHLORIDE	88	mg/kg
INORG	CPA-06D	11/17/06	5	CHROMIUM	7.5	mg/kg
INORG	CPA-06D	11/17/06	5	COBALT	5.8	mg/kg
INORG	CPA-06D	11/17/06	5	COPPER	12	mg/kg
INORG	CPA-06D	11/17/06	5	IRON	10000	mg/kg
INORG	CPA-06D	11/17/06	5	LEAD	6.1	mg/kg
INORG	CPA-06D	11/17/06	5	LITHIUM	11	mg/kg
INORG	CPA-06D	11/17/06	5	MAGNESIUM	7700	mg/kg
INORG	CPA-06D	11/17/06	5	MANGANESE	260J-	mg/kg
INORG	CPA-06D	11/17/06	5	MERCURY	0.017	mg/kg
INORG	CPA-06D	11/17/06	5	MOLYBDENUM	0.30	mg/kg
INORG	CPA-06D	11/17/06	5	NICKEL	12J-	mg/kg
INORG	CPA-06D	11/17/06	5	NITRATE	10	mg/kg
INORG	CPA-06D	11/17/06	5	PH	7.40	pH Units
INORG	CPA-06D	11/17/06	5	PHOSPHORUS, TOTAL (AS P)	1100	mg/kg
INORG	CPA-06D	11/17/06	5	PHOSPHORUS, TOTAL (AS P)	770	mg/kg
INORG	CPA-06D	11/17/06	5	POTASSIUM	1700	mg/kg
INORG	CPA-06D	11/17/06	5	SILVER	0.090	mg/kg
INORG	CPA-06D	11/17/06	5	SODIUM	940	mg/kg
INORG	CPA-06D	11/17/06	5	STRONTIUM	190	mg/kg
INORG	CPA-06D	11/17/06	5	SULFATE	1800	mg/kg
INORG	CPA-06D	11/17/06	5	SULFUR	2060	mg/KG
INORG	CPA-06D	11/17/06	5	THALLIUM	0.18	mg/kg
INORG	CPA-06D	11/17/06	5	TITANIUM	330	mg/kg
INORG	CPA-06D	11/17/06	5	VANADIUM	22	mg/kg
INORG	CPA-06D	11/17/06	5	ZINC	21J-	mg/kg
INORG	CPA-06D	11/17/06	10	ALKALINITY AS CACO3	9000	mg/kg
INORG	CPA-06D	11/17/06	10	ALKALINITY, BICARBONATE (AS CACO3)	7300	mg/kg
INORG	CPA-06D	11/17/06	10	ALKALINITY, CARBONATE (AS CACO3)	1700	mg/kg
INORG	CPA-06D	11/17/06	10	ALUMINUM	4800	mg/kg
INORG	CPA-06D	11/17/06	10	ARSENIC	1.2J	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-06D	11/17/06	10	BARIUM	88	mg/kg
INORG	CPA-06D	11/17/06	10	BERYLLIUM	0.37	mg/kg
INORG	CPA-06D	11/17/06	10	CADMIUM	0.037	mg/kg
INORG	CPA-06D	11/17/06	10	CALCIUM	12000J	mg/kg
INORG	CPA-06D	11/17/06	10	CHLORIDE	83	mg/kg
INORG	CPA-06D	11/17/06	10	CHROMIUM	4.9	mg/kg
INORG	CPA-06D	11/17/06	10	COBALT	5.4	mg/kg
INORG	CPA-06D	11/17/06	10	COPPER	11	mg/kg
INORG	CPA-06D	11/17/06	10	FLUORIDE	1.8	mg/kg
INORG	CPA-06D	11/17/06	10	IRON	8700	mg/kg
INORG	CPA-06D	11/17/06	10	LEAD	4.5	mg/kg
INORG	CPA-06D	11/17/06	10	LITHIUM	11	mg/kg
INORG	CPA-06D	11/17/06	10	MAGNESIUM	7100	mg/kg
INORG	CPA-06D	11/17/06	10	MANGANESE	200J-	mg/kg
INORG	CPA-06D	11/17/06	10	MERCURY	0.0095	mg/kg
INORG	CPA-06D	11/17/06	10	MOLYBDENUM	0.15	mg/kg
INORG	CPA-06D	11/17/06	10	NICKEL	11J-	mg/kg
INORG	CPA-06D	11/17/06	10	NITRATE	1.7	mg/kg
INORG	CPA-06D	11/17/06	10	PH	8.82	pH Units
INORG	CPA-06D	11/17/06	10	PHOSPHORUS, TOTAL (AS P)	1000	mg/kg
INORG	CPA-06D	11/17/06	10	PHOSPHORUS, TOTAL (AS P)	900	mg/kg
INORG	CPA-06D	11/17/06	10	POTASSIUM	950	mg/kg
INORG	CPA-06D	11/17/06	10	SILVER	0.066	mg/kg
INORG	CPA-06D	11/17/06	10	SODIUM	560	mg/kg
INORG	CPA-06D	11/17/06	10	STRONTIUM	230	mg/kg
INORG	CPA-06D	11/17/06	10	SULFATE	94	mg/kg
INORG	CPA-06D	11/17/06	10	SULFUR	152	mg/KG
INORG	CPA-06D	11/17/06	10	TITANIUM	310	mg/kg
INORG	CPA-06D	11/17/06	10	VANADIUM	20	mg/kg
INORG	CPA-06D	11/17/06	10	ZINC	19J-	mg/kg
INORG	CPA-06D	11/17/06	30	ALKALINITY AS CACO3	56000	mg/kg
INORG	CPA-06D	11/17/06	30	ALKALINITY, BICARBONATE (AS CACO3)	55000	mg/kg
INORG	CPA-06D	11/17/06	30	ALKALINITY, CARBONATE (AS CACO3)	1400	mg/kg
INORG	CPA-06D	11/17/06	30	ALUMINUM	7700	mg/kg
INORG	CPA-06D	11/17/06	30	ARSENIC	17	mg/kg
INORG	CPA-06D	11/17/06	30	BARIUM	160	mg/kg
INORG	CPA-06D	11/17/06	30	BERYLLIUM	0.52	mg/kg
INORG	CPA-06D	11/17/06	30	BORON	33	mg/kg
INORG	CPA-06D	11/17/06	30	CADMIUM	0.067	mg/kg
INORG	CPA-06D	11/17/06	30	CALCIUM	45000J	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-06D	11/17/06	30	CHLORIDE	660	mg/kg
INORG	CPA-06D	11/17/06	30	CHROMIUM	15	mg/kg
INORG	CPA-06D	11/17/06	30	COBALT	4.0	mg/kg
INORG	CPA-06D	11/17/06	30	COPPER	8.4	mg/kg
INORG	CPA-06D	11/17/06	30	FLUORIDE	1.5	mg/kg
INORG	CPA-06D	11/17/06	30	IRON	9200	mg/kg
INORG	CPA-06D	11/17/06	30	LEAD	4.9	mg/kg
INORG	CPA-06D	11/17/06	30	LITHIUM	35	mg/kg
INORG	CPA-06D	11/17/06	30	MAGNESIUM	16000	mg/kg
INORG	CPA-06D	11/17/06	30	MANGANESE	170J-	mg/kg
INORG	CPA-06D	11/17/06	30	MOLYBDENUM	0.57	mg/kg
INORG	CPA-06D	11/17/06	30	NICKEL	7.6J-	mg/kg
INORG	CPA-06D	11/17/06	30	NITRATE	2.7	mg/kg
INORG	CPA-06D	11/17/06	30	PH	8.15	pH Units
INORG	CPA-06D	11/17/06	30	PHOSPHORUS, TOTAL (AS P)	570	mg/kg
INORG	CPA-06D	11/17/06	30	PHOSPHORUS, TOTAL (AS P)	590	mg/kg
INORG	CPA-06D	11/17/06	30	POTASSIUM	2500	mg/kg
INORG	CPA-06D	11/17/06	30	SILVER	0.17	mg/kg
INORG	CPA-06D	11/17/06	30	SODIUM	1500	mg/kg
INORG	CPA-06D	11/17/06	30	STRONTIUM	180	mg/kg
INORG	CPA-06D	11/17/06	30	SULFATE	1500	mg/kg
INORG	CPA-06D	11/17/06	30	SULFUR	1960	mg/KG
INORG	CPA-06D	11/17/06	30	THALLIUM	0.14	mg/kg
INORG	CPA-06D	11/17/06	30	TITANIUM	440	mg/kg
INORG	CPA-06D	11/17/06	30	VANADIUM	25	mg/kg
INORG	CPA-06D	11/17/06	30	ZINC	20J-	mg/kg
INORG	CPA-06D	11/17/06	50	ALKALINITY AS CACO3	15000	mg/kg
INORG	CPA-06D	11/17/06	50	ALKALINITY, BICARBONATE (AS CACO3)	14000	mg/kg
INORG	CPA-06D	11/17/06	50	ALKALINITY, CARBONATE (AS CACO3)	800	mg/kg
INORG	CPA-06D	11/17/06	50	ALUMINUM	7400	mg/kg
INORG	CPA-06D	11/17/06	50	ARSENIC	11	mg/kg
INORG	CPA-06D	11/17/06	50	BARIUM	41	mg/kg
INORG	CPA-06D	11/17/06	50	BERYLLIUM	0.46	mg/kg
INORG	CPA-06D	11/17/06	50	BORON	29	mg/kg
INORG	CPA-06D	11/17/06	50	BROMIDE	4.3	mg/kg
INORG	CPA-06D	11/17/06	50	CADMIUM	0.048	mg/kg
INORG	CPA-06D	11/17/06	50	CALCIUM	26000J	mg/kg
INORG	CPA-06D	11/17/06	50	CHLORIDE	1000	mg/kg
INORG	CPA-06D	11/17/06	50	CHROMIUM	14	mg/kg
INORG	CPA-06D	11/17/06	50	COBALT	3.4	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-06D	11/17/06	50	COPPER	8.9	mg/kg
INORG	CPA-06D	11/17/06	50	FLUORIDE	3.1	mg/kg
INORG	CPA-06D	11/17/06	50	IRON	8500	mg/kg
INORG	CPA-06D	11/17/06	50	LEAD	5.6	mg/kg
INORG	CPA-06D	11/17/06	50	LITHIUM	32	mg/kg
INORG	CPA-06D	11/17/06	50	MAGNESIUM	15000	mg/kg
INORG	CPA-06D	11/17/06	50	MANGANESE	150J-	mg/kg
INORG	CPA-06D	11/17/06	50	MOLYBDENUM	0.68	mg/kg
INORG	CPA-06D	11/17/06	50	NICKEL	7.6J-	mg/kg
INORG	CPA-06D	11/17/06	50	NITRATE	1.0	mg/kg
INORG	CPA-06D	11/17/06	50	PH	8.01	pH Units
INORG	CPA-06D	11/17/06	50	PHOSPHORUS, TOTAL (AS P)	470	mg/kg
INORG	CPA-06D	11/17/06	50	PHOSPHORUS, TOTAL (AS P)	610	mg/kg
INORG	CPA-06D	11/17/06	50	POTASSIUM	2200	mg/kg
INORG	CPA-06D	11/17/06	50	SILVER	0.16	mg/kg
INORG	CPA-06D	11/17/06	50	SODIUM	2400	mg/kg
INORG	CPA-06D	11/17/06	50	STRONTIUM	86	mg/kg
INORG	CPA-06D	11/17/06	50	SULFATE	1100	mg/kg
INORG	CPA-06D	11/17/06	50	SULFUR	820	mg/KG
INORG	CPA-06D	11/17/06	50	THALLIUM	0.25	mg/kg
INORG	CPA-06D	11/17/06	50	TITANIUM	370	mg/kg
INORG	CPA-06D	11/17/06	50	VANADIUM	20	mg/kg
INORG	CPA-06D	11/17/06	50	ZINC	20J-	mg/kg
INORG	CPA-07D	11/27/06	5	ALKALINITY AS CACO3	23000	mg/kg
INORG	CPA-07D	11/27/06	5	ALKALINITY, BICARBONATE (AS CACO3)	21000	mg/kg
INORG	CPA-07D	11/27/06	5	ALKALINITY, CARBONATE (AS CACO3)	2000	mg/kg
INORG	CPA-07D	11/27/06	5	ALUMINUM	6300	mg/kg
INORG	CPA-07D	11/27/06	5	ARSENIC	2.1	mg/kg
INORG	CPA-07D	11/27/06	5	BARIUM	150J-	mg/kg
INORG	CPA-07D	11/27/06	5	BERYLLIUM	0.47	mg/kg
INORG	CPA-07D	11/27/06	5	CADMIUM	0.097	mg/kg
INORG	CPA-07D	11/27/06	5	CALCIUM	41000	mg/kg
INORG	CPA-07D	11/27/06	5	CHLORIDE	110	mg/kg
INORG	CPA-07D	11/27/06	5	CHROMIUM	8.4	mg/kg
INORG	CPA-07D	11/27/06	5	COBALT	5.5	mg/kg
INORG	CPA-07D	11/27/06	5	COPPER	13	mg/kg
INORG	CPA-07D	11/27/06	5	IRON	11000	mg/kg
INORG	CPA-07D	11/27/06	5	LEAD	5.3	mg/kg
INORG	CPA-07D	11/27/06	5	LITHIUM	11	mg/kg
INORG	CPA-07D	11/27/06	5	MAGNESIUM	6900	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-07D	11/27/06	5	MANGANESE	250	mg/kg
INORG	CPA-07D	11/27/06	5	MERCURY	0.017	mg/kg
INORG	CPA-07D	11/27/06	5	NICKEL	11J-	mg/kg
INORG	CPA-07D	11/27/06	5	NITRATE	5.6	mg/kg
INORG	CPA-07D	11/27/06	5	PH	7.73	pH Units
INORG	CPA-07D	11/27/06	5	PHOSPHORUS, TOTAL (AS P)	1000	mg/kg
INORG	CPA-07D	11/27/06	5	PHOSPHORUS, TOTAL (AS P)	950	mg/kg
INORG	CPA-07D	11/27/06	5	POTASSIUM	1900J+	mg/kg
INORG	CPA-07D	11/27/06	5	SELENIUM	0.30	mg/kg
INORG	CPA-07D	11/27/06	5	SILVER	0.096	mg/kg
INORG	CPA-07D	11/27/06	5	SODIUM	530	mg/kg
INORG	CPA-07D	11/27/06	5	STRONTIUM	160J+	mg/kg
INORG	CPA-07D	11/27/06	5	SULFATE	330	mg/kg
INORG	CPA-07D	11/27/06	5	SULFUR	671	mg/KG
INORG	CPA-07D	11/27/06	5	THALLIUM	0.17	mg/kg
INORG	CPA-07D	11/27/06	5	TITANIUM	550J	mg/kg
INORG	CPA-07D	11/27/06	5	VANADIUM	29	mg/kg
INORG	CPA-07D	11/27/06	5	ZINC	25J-	mg/kg
INORG	CPA-07D	11/27/06	10	ALKALINITY AS CACO3	3600	mg/kg
INORG	CPA-07D	11/27/06	10	ALKALINITY, BICARBONATE (AS CACO3)	3000	mg/kg
INORG	CPA-07D	11/27/06	10	ALKALINITY, CARBONATE (AS CACO3)	600	mg/kg
INORG	CPA-07D	11/27/06	10	ALUMINUM	6000	mg/kg
INORG	CPA-07D	11/27/06	10	ARSENIC	1.9	mg/kg
INORG	CPA-07D	11/27/06	10	BARIUM	120J-	mg/kg
INORG	CPA-07D	11/27/06	10	BERYLLIUM	0.47	mg/kg
INORG	CPA-07D	11/27/06	10	CADMIUM	0.044	mg/kg
INORG	CPA-07D	11/27/06	10	CALCIUM	21000	mg/kg
INORG	CPA-07D	11/27/06	10	CHLORIDE	210	mg/kg
INORG	CPA-07D	11/27/06	10	CHROMIUM	7.6	mg/kg
INORG	CPA-07D	11/27/06	10	COBALT	5.7	mg/kg
INORG	CPA-07D	11/27/06	10	COPPER	14	mg/kg
INORG	CPA-07D	11/27/06	10	FLUORIDE	1.7	mg/kg
INORG	CPA-07D	11/27/06	10	IRON	12000	mg/kg
INORG	CPA-07D	11/27/06	10	LEAD	5.7	mg/kg
INORG	CPA-07D	11/27/06	10	LITHIUM	15	mg/kg
INORG	CPA-07D	11/27/06	10	MAGNESIUM	7000	mg/kg
INORG	CPA-07D	11/27/06	10	MANGANESE	250	mg/kg
INORG	CPA-07D	11/27/06	10	MERCURY	0.011	mg/kg
INORG	CPA-07D	11/27/06	10	NICKEL	12J-	mg/kg
INORG	CPA-07D	11/27/06	10	NITRATE	12	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-07D	11/27/06	10	PH	7.51	pH Units
INORG	CPA-07D	11/27/06	10	PHOSPHORUS, TOTAL (AS P)	1200	mg/kg
INORG	CPA-07D	11/27/06	10	PHOSPHORUS, TOTAL (AS P)	460	mg/kg
INORG	CPA-07D	11/27/06	10	POTASSIUM	1500J+	mg/kg
INORG	CPA-07D	11/27/06	10	SILVER	0.10	mg/kg
INORG	CPA-07D	11/27/06	10	SODIUM	430	mg/kg
INORG	CPA-07D	11/27/06	10	STRONTIUM	240J+	mg/kg
INORG	CPA-07D	11/27/06	10	SULFATE	53	mg/kg
INORG	CPA-07D	11/27/06	10	SULFUR	158	mg/KG
INORG	CPA-07D	11/27/06	10	THALLIUM	0.18	mg/kg
INORG	CPA-07D	11/27/06	10	TITANIUM	610J	mg/kg
INORG	CPA-07D	11/27/06	10	VANADIUM	33	mg/kg
INORG	CPA-07D	11/27/06	10	ZINC	25J-	mg/kg
INORG	CPA-07D	11/27/06	30	ALKALINITY AS CACO3	48000	mg/kg
INORG	CPA-07D	11/27/06	30	ALKALINITY, BICARBONATE (AS CACO3)	44000	mg/kg
INORG	CPA-07D	11/27/06	30	ALKALINITY, CARBONATE (AS CACO3)	4000	mg/kg
INORG	CPA-07D	11/27/06	30	ALUMINUM	7400	mg/kg
INORG	CPA-07D	11/27/06	30	ARSENIC	10	mg/kg
INORG	CPA-07D	11/27/06	30	BARIUM	71J-	mg/kg
INORG	CPA-07D	11/27/06	30	BERYLLIUM	0.48	mg/kg
INORG	CPA-07D	11/27/06	30	BORON	15	mg/kg
INORG	CPA-07D	11/27/06	30	BROMIDE	6.4	mg/kg
INORG	CPA-07D	11/27/06	30	CADMIUM	0.098	mg/kg
INORG	CPA-07D	11/27/06	30	CALCIUM	89000	mg/kg
INORG	CPA-07D	11/27/06	30	CHLORIDE	800	mg/kg
INORG	CPA-07D	11/27/06	30	CHROMIUM	32	mg/kg
INORG	CPA-07D	11/27/06	30	COBALT	3.0	mg/kg
INORG	CPA-07D	11/27/06	30	COPPER	7.7	mg/kg
INORG	CPA-07D	11/27/06	30	FLUORIDE	2.3	mg/kg
INORG	CPA-07D	11/27/06	30	IRON	8200	mg/kg
INORG	CPA-07D	11/27/06	30	LEAD	4.7	mg/kg
INORG	CPA-07D	11/27/06	30	LITHIUM	31	mg/kg
INORG	CPA-07D	11/27/06	30	MAGNESIUM	12000	mg/kg
INORG	CPA-07D	11/27/06	30	MANGANESE	190	mg/kg
INORG	CPA-07D	11/27/06	30	MERCURY	0.0090	mg/kg
INORG	CPA-07D	11/27/06	30	MOLYBDENUM	0.70	mg/kg
INORG	CPA-07D	11/27/06	30	NICKEL	6.4J-	mg/kg
INORG	CPA-07D	11/27/06	30	NITRATE	5.0	mg/kg
INORG	CPA-07D	11/27/06	30	PH	7.79	pH Units
INORG	CPA-07D	11/27/06	30	PHOSPHORUS, TOTAL (AS P)	460	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-07D	11/27/06	30	PHOSPHORUS, TOTAL (AS P)	480	mg/kg
INORG	CPA-07D	11/27/06	30	POTASSIUM	2500J+	mg/kg
INORG	CPA-07D	11/27/06	30	SELENIUM	0.26	mg/kg
INORG	CPA-07D	11/27/06	30	SILVER	0.29	mg/kg
INORG	CPA-07D	11/27/06	30	SODIUM	1200	mg/kg
INORG	CPA-07D	11/27/06	30	STRONTIUM	200J+	mg/kg
INORG	CPA-07D	11/27/06	30	SULFATE	400	mg/kg
INORG	CPA-07D	11/27/06	30	SULFUR	365	mg/KG
INORG	CPA-07D	11/27/06	30	THALLIUM	0.15	mg/kg
INORG	CPA-07D	11/27/06	30	TITANIUM	470J	mg/kg
INORG	CPA-07D	11/27/06	30	VANADIUM	33	mg/kg
INORG	CPA-07D	11/27/06	30	ZINC	19J-	mg/kg
INORG	CPA-07D	11/27/06	50	ALKALINITY AS CACO3	3000	mg/kg
INORG	CPA-07D	11/27/06	50	ALKALINITY, BICARBONATE (AS CACO3)	2100	mg/kg
INORG	CPA-07D	11/27/06	50	ALKALINITY, CARBONATE (AS CACO3)	900	mg/kg
INORG	CPA-07D	11/27/06	50	ALUMINUM	12000	mg/kg
INORG	CPA-07D	11/27/06	50	ARSENIC	16	mg/kg
INORG	CPA-07D	11/27/06	50	BARIUM	37J-	mg/kg
INORG	CPA-07D	11/27/06	50	BERYLLIUM	0.61	mg/kg
INORG	CPA-07D	11/27/06	50	BORON	20	mg/kg
INORG	CPA-07D	11/27/06	50	CADMIUM	0.10	mg/kg
INORG	CPA-07D	11/27/06	50	CALCIUM	11000	mg/kg
INORG	CPA-07D	11/27/06	50	CHLORIDE	170	mg/kg
INORG	CPA-07D	11/27/06	50	CHROMIUM	14	mg/kg
INORG	CPA-07D	11/27/06	50	COBALT	5.0	mg/kg
INORG	CPA-07D	11/27/06	50	COPPER	12	mg/kg
INORG	CPA-07D	11/27/06	50	FLUORIDE	1.5	mg/kg
INORG	CPA-07D	11/27/06	50	IRON	12000	mg/kg
INORG	CPA-07D	11/27/06	50	LEAD	6.7	mg/kg
INORG	CPA-07D	11/27/06	50	LITHIUM	43	mg/kg
INORG	CPA-07D	11/27/06	50	MAGNESIUM	21000	mg/kg
INORG	CPA-07D	11/27/06	50	MANGANESE	280	mg/kg
INORG	CPA-07D	11/27/06	50	MERCURY	0.011	mg/kg
INORG	CPA-07D	11/27/06	50	NICKEL	11J-	mg/kg
INORG	CPA-07D	11/27/06	50	NITRATE	0.68	mg/kg
INORG	CPA-07D	11/27/06	50	PH	8.13	pH Units
INORG	CPA-07D	11/27/06	50	PHOSPHORUS, TOTAL (AS P)	500	mg/kg
INORG	CPA-07D	11/27/06	50	PHOSPHORUS, TOTAL (AS P)	570	mg/kg
INORG	CPA-07D	11/27/06	50	POTASSIUM	3500J+	mg/kg
INORG	CPA-07D	11/27/06	50	SELENIUM	0.21	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-07D	11/27/06	50	SILVER	0.13	mg/kg
INORG	CPA-07D	11/27/06	50	SODIUM	880	mg/kg
INORG	CPA-07D	11/27/06	50	STRONTIUM	72J+	mg/kg
INORG	CPA-07D	11/27/06	50	SULFATE	330	mg/kg
INORG	CPA-07D	11/27/06	50	SULFUR	206	mg/KG
INORG	CPA-07D	11/27/06	50	THALLIUM	0.24	mg/kg
INORG	CPA-07D	11/27/06	50	TITANIUM	560J	mg/kg
INORG	CPA-07D	11/27/06	50	VANADIUM	25	mg/kg
INORG	CPA-07D	11/27/06	50	ZINC	31J-	mg/kg
INORG	CPA-08D	11/27/06	5	ALKALINITY AS CACO3	21000	mg/kg
INORG	CPA-08D	11/27/06	5	ALKALINITY, BICARBONATE (AS CACO3)	21000	mg/kg
INORG	CPA-08D	11/27/06	5	ALKALINITY, CARBONATE (AS CACO3)	700	mg/kg
INORG	CPA-08D	11/27/06	5	ALUMINUM	6000	mg/kg
INORG	CPA-08D	11/27/06	5	AMMONIA	0.92J-	mg/kg
INORG	CPA-08D	11/27/06	5	ARSENIC	2.8	mg/kg
INORG	CPA-08D	11/27/06	5	BARIUM	110J-	mg/kg
INORG	CPA-08D	11/27/06	5	BERYLLIUM	0.37	mg/kg
INORG	CPA-08D	11/27/06	5	BORON	13	mg/kg
INORG	CPA-08D	11/27/06	5	CADMIUM	0.046	mg/kg
INORG	CPA-08D	11/27/06	5	CALCIUM	42000	mg/kg
INORG	CPA-08D	11/27/06	5	CHLORIDE	63	mg/kg
INORG	CPA-08D	11/27/06	5	CHROMIUM	6.8	mg/kg
INORG	CPA-08D	11/27/06	5	COBALT	5.0	mg/kg
INORG	CPA-08D	11/27/06	5	COPPER	9.9	mg/kg
INORG	CPA-08D	11/27/06	5	IRON	9300	mg/kg
INORG	CPA-08D	11/27/06	5	LEAD	4.6	mg/kg
INORG	CPA-08D	11/27/06	5	LITHIUM	21	mg/kg
INORG	CPA-08D	11/27/06	5	MAGNESIUM	15000	mg/kg
INORG	CPA-08D	11/27/06	5	MANGANESE	210	mg/kg
INORG	CPA-08D	11/27/06	5	MERCURY	0.010	mg/kg
INORG	CPA-08D	11/27/06	5	NICKEL	9.5J-	mg/kg
INORG	CPA-08D	11/27/06	5	NITRATE	12	mg/kg
INORG	CPA-08D	11/27/06	5	PH	8.16	pH Units
INORG	CPA-08D	11/27/06	5	PHOSPHORUS, TOTAL (AS P)	450	mg/kg
INORG	CPA-08D	11/27/06	5	PHOSPHORUS, TOTAL (AS P)	720	mg/kg
INORG	CPA-08D	11/27/06	5	POTASSIUM	2100J+	mg/kg
INORG	CPA-08D	11/27/06	5	SELENIUM	0.21	mg/kg
INORG	CPA-08D	11/27/06	5	SILVER	0.11	mg/kg
INORG	CPA-08D	11/27/06	5	SODIUM	770	mg/kg
INORG	CPA-08D	11/27/06	5	STRONTIUM	340J+	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-08D	11/27/06	5	SULFATE	1100	mg/kg
INORG	CPA-08D	11/27/06	5	SULFUR	1520	mg/KG
INORG	CPA-08D	11/27/06	5	TITANIUM	430J	mg/kg
INORG	CPA-08D	11/27/06	5	VANADIUM	24	mg/kg
INORG	CPA-08D	11/27/06	5	ZINC	18J-	mg/kg
INORG	CPA-08D	11/27/06	10	ALKALINITY AS CACO3	3700	mg/kg
INORG	CPA-08D	11/27/06	10	ALKALINITY, BICARBONATE (AS CACO3)	3600	mg/kg
INORG	CPA-08D	11/27/06	10	ALKALINITY, CARBONATE (AS CACO3)	100	mg/kg
INORG	CPA-08D	11/27/06	10	ALUMINUM	4600	mg/kg
INORG	CPA-08D	11/27/06	10	ARSENIC	2.4	mg/kg
INORG	CPA-08D	11/27/06	10	BARIUM	75J-	mg/kg
INORG	CPA-08D	11/27/06	10	BERYLLIUM	0.40	mg/kg
INORG	CPA-08D	11/27/06	10	CADMIUM	0.064	mg/kg
INORG	CPA-08D	11/27/06	10	CALCIUM	15000	mg/kg
INORG	CPA-08D	11/27/06	10	CHLORIDE	79	mg/kg
INORG	CPA-08D	11/27/06	10	CHROMIUM	5.9	mg/kg
INORG	CPA-08D	11/27/06	10	COBALT	5.1	mg/kg
INORG	CPA-08D	11/27/06	10	COPPER	11	mg/kg
INORG	CPA-08D	11/27/06	10	IRON	9400	mg/kg
INORG	CPA-08D	11/27/06	10	LEAD	4.3	mg/kg
INORG	CPA-08D	11/27/06	10	LITHIUM	15	mg/kg
INORG	CPA-08D	11/27/06	10	MAGNESIUM	7000	mg/kg
INORG	CPA-08D	11/27/06	10	MANGANESE	170	mg/kg
INORG	CPA-08D	11/27/06	10	MERCURY	0.011	mg/kg
INORG	CPA-08D	11/27/06	10	NICKEL	12J-	mg/kg
INORG	CPA-08D	11/27/06	10	NITRATE	29	mg/kg
INORG	CPA-08D	11/27/06	10	PH	7.82	pH Units
INORG	CPA-08D	11/27/06	10	PHOSPHORUS (WHITE)	6.9e-005	mg/kg
INORG	CPA-08D	11/27/06	10	PHOSPHORUS, TOTAL (AS P)	1200	mg/kg
INORG	CPA-08D	11/27/06	10	PHOSPHORUS, TOTAL (AS P)	1200	mg/kg
INORG	CPA-08D	11/27/06	10	POTASSIUM	1100J+	mg/kg
INORG	CPA-08D	11/27/06	10	SILVER	0.067	mg/kg
INORG	CPA-08D	11/27/06	10	SODIUM	750	mg/kg
INORG	CPA-08D	11/27/06	10	STRONTIUM	200J+	mg/kg
INORG	CPA-08D	11/27/06	10	SULFATE	600	mg/kg
INORG	CPA-08D	11/27/06	10	SULFUR	1670	mg/KG
INORG	CPA-08D	11/27/06	10	TITANIUM	410J	mg/kg
INORG	CPA-08D	11/27/06	10	VANADIUM	23	mg/kg
INORG	CPA-08D	11/27/06	10	ZINC	20J-	mg/kg
INORG	CPA-08D	11/27/06	30	ALKALINITY AS CACO3	4600	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-08D	11/27/06	30	ALKALINITY, BICARBONATE (AS CACO3)	3700	mg/kg
INORG	CPA-08D	11/27/06	30	ALKALINITY, CARBONATE (AS CACO3)	900	mg/kg
INORG	CPA-08D	11/27/06	30	ALUMINUM	7500	mg/kg
INORG	CPA-08D	11/27/06	30	ARSENIC	9.9	mg/kg
INORG	CPA-08D	11/27/06	30	BARIUM	75J-	mg/kg
INORG	CPA-08D	11/27/06	30	BERYLLIUM	0.43	mg/kg
INORG	CPA-08D	11/27/06	30	BORON	11	mg/kg
INORG	CPA-08D	11/27/06	30	CADMIUM	0.035	mg/kg
INORG	CPA-08D	11/27/06	30	CALCIUM	31000	mg/kg
INORG	CPA-08D	11/27/06	30	CHLORIDE	13	mg/kg
INORG	CPA-08D	11/27/06	30	CHROMIUM	21	mg/kg
INORG	CPA-08D	11/27/06	30	COBALT	3.0	mg/kg
INORG	CPA-08D	11/27/06	30	COPPER	8.8	mg/kg
INORG	CPA-08D	11/27/06	30	FLUORIDE	1.6	mg/kg
INORG	CPA-08D	11/27/06	30	HEXAVALENT CHROMIUM	0.039	mg/kg
INORG	CPA-08D	11/27/06	30	IRON	8300	mg/kg
INORG	CPA-08D	11/27/06	30	LEAD	5.2	mg/kg
INORG	CPA-08D	11/27/06	30	LITHIUM	38	mg/kg
INORG	CPA-08D	11/27/06	30	MAGNESIUM	12000	mg/kg
INORG	CPA-08D	11/27/06	30	MANGANESE	120	mg/kg
INORG	CPA-08D	11/27/06	30	MERCURY	0.016	mg/kg
INORG	CPA-08D	11/27/06	30	NICKEL	6.2J-	mg/kg
INORG	CPA-08D	11/27/06	30	PH	8.88	pH Units
INORG	CPA-08D	11/27/06	30	PHOSPHORUS, TOTAL (AS P)	560	mg/kg
INORG	CPA-08D	11/27/06	30	PHOSPHORUS, TOTAL (AS P)	570	mg/kg
INORG	CPA-08D	11/27/06	30	POTASSIUM	2500J+	mg/kg
INORG	CPA-08D	11/27/06	30	SELENIUM	0.20	mg/kg
INORG	CPA-08D	11/27/06	30	SILVER	0.26	mg/kg
INORG	CPA-08D	11/27/06	30	SODIUM	770	mg/kg
INORG	CPA-08D	11/27/06	30	STRONTIUM	120J+	mg/kg
INORG	CPA-08D	11/27/06	30	SULFATE	35	mg/kg
INORG	CPA-08D	11/27/06	30	SULFUR	100	mg/KG
INORG	CPA-08D	11/27/06	30	THALLIUM	0.12	mg/kg
INORG	CPA-08D	11/27/06	30	TITANIUM	470J	mg/kg
INORG	CPA-08D	11/27/06	30	VANADIUM	27	mg/kg
INORG	CPA-08D	11/27/06	30	ZINC	21J-	mg/kg
INORG	CPA-08D	11/27/06	50	ALKALINITY AS CACO3	12000	mg/kg
INORG	CPA-08D	11/27/06	50	ALKALINITY, BICARBONATE (AS CACO3)	12000	mg/kg
INORG	CPA-08D	11/27/06	50	ALKALINITY, CARBONATE (AS CACO3)	240	mg/kg
INORG	CPA-08D	11/27/06	50	ALUMINUM	7100	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-08D	11/27/06	50	ARSENIC	7.8	mg/kg
INORG	CPA-08D	11/27/06	50	BARIUM	72J-	mg/kg
INORG	CPA-08D	11/27/06	50	BERYLLIUM	0.48	mg/kg
INORG	CPA-08D	11/27/06	50	BORON	12	mg/kg
INORG	CPA-08D	11/27/06	50	CADMIUM	0.030	mg/kg
INORG	CPA-08D	11/27/06	50	CALCIUM	12000	mg/kg
INORG	CPA-08D	11/27/06	50	CHLORIDE	15	mg/kg
INORG	CPA-08D	11/27/06	50	CHROMIUM	11	mg/kg
INORG	CPA-08D	11/27/06	50	COBALT	3.4	mg/kg
INORG	CPA-08D	11/27/06	50	COPPER	9.1	mg/kg
INORG	CPA-08D	11/27/06	50	FLUORIDE	2.0	mg/kg
INORG	CPA-08D	11/27/06	50	IRON	9100	mg/kg
INORG	CPA-08D	11/27/06	50	LEAD	5.0	mg/kg
INORG	CPA-08D	11/27/06	50	LITHIUM	30	mg/kg
INORG	CPA-08D	11/27/06	50	MAGNESIUM	13000	mg/kg
INORG	CPA-08D	11/27/06	50	MANGANESE	150	mg/kg
INORG	CPA-08D	11/27/06	50	MERCURY	0.012	mg/kg
INORG	CPA-08D	11/27/06	50	MOLYBDENUM	0.82	mg/kg
INORG	CPA-08D	11/27/06	50	NICKEL	6.5J-	mg/kg
INORG	CPA-08D	11/27/06	50	PH	9.11	pH Units
INORG	CPA-08D	11/27/06	50	PHOSPHORUS, TOTAL (AS P)	130	mg/kg
INORG	CPA-08D	11/27/06	50	PHOSPHORUS, TOTAL (AS P)	530	mg/kg
INORG	CPA-08D	11/27/06	50	POTASSIUM	2400J+	mg/kg
INORG	CPA-08D	11/27/06	50	SELENIUM	0.20	mg/kg
INORG	CPA-08D	11/27/06	50	SILVER	0.19	mg/kg
INORG	CPA-08D	11/27/06	50	SODIUM	720	mg/kg
INORG	CPA-08D	11/27/06	50	STRONTIUM	94J+	mg/kg
INORG	CPA-08D	11/27/06	50	SULFATE	30	mg/kg
INORG	CPA-08D	11/27/06	50	THALLIUM	0.12	mg/kg
INORG	CPA-08D	11/27/06	50	TITANIUM	590J	mg/kg
INORG	CPA-08D	11/27/06	50	VANADIUM	21	mg/kg
INORG	CPA-08D	11/27/06	50	ZINC	19J-	mg/kg
INORG	CPA-09S	11/08/06	0.5	ALKALINITY AS CACO3	16000	mg/kg
INORG	CPA-09S	11/08/06	0.5	ALKALINITY, BICARBONATE (AS CACO3)	16000	mg/kg
INORG	CPA-09S	11/08/06	0.5	ALKALINITY, CARBONATE (AS CACO3)	1000	mg/kg
INORG	CPA-09S	11/08/06	0.5	ALUMINUM	6000	mg/kg
INORG	CPA-09S	11/08/06	0.5	AMMONIA	1.1J-	mg/kg
INORG	CPA-09S	11/08/06	0.5	ARSENIC	3.1	mg/kg
INORG	CPA-09S	11/08/06	0.5	BARIUM	150	mg/kg
INORG	CPA-09S	11/08/06	0.5	BERYLLIUM	0.38	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-09S	11/08/06	0.5	CADMIUM	0.060	mg/kg
INORG	CPA-09S	11/08/06	0.5	CALCIUM	24000J	mg/kg
INORG	CPA-09S	11/08/06	0.5	CHROMIUM	11	mg/kg
INORG	CPA-09S	11/08/06	0.5	COBALT	4.9	mg/kg
INORG	CPA-09S	11/08/06	0.5	COPPER	11	mg/kg
INORG	CPA-09S	11/08/06	0.5	FLUORIDE	2.1	mg/kg
INORG	CPA-09S	11/08/06	0.5	IRON	8100	mg/kg
INORG	CPA-09S	11/08/06	0.5	LEAD	6.3	mg/kg
INORG	CPA-09S	11/08/06	0.5	LITHIUM	17	mg/kg
INORG	CPA-09S	11/08/06	0.5	MAGNESIUM	6300	mg/kg
INORG	CPA-09S	11/08/06	0.5	MANGANESE	250	mg/kg
INORG	CPA-09S	11/08/06	0.5	MERCURY	0.0089	mg/kg
INORG	CPA-09S	11/08/06	0.5	NICKEL	12	mg/kg
INORG	CPA-09S	11/08/06	0.5	NITRATE	0.86	mg/kg
INORG	CPA-09S	11/08/06	0.5	PH	9.32	pH Units
INORG	CPA-09S	11/08/06	0.5	PHOSPHORUS, TOTAL (AS P)	600	mg/kg
INORG	CPA-09S	11/08/06	0.5	PHOSPHORUS, TOTAL (AS P)	890	mg/kg
INORG	CPA-09S	11/08/06	0.5	POTASSIUM	2700	mg/kg
INORG	CPA-09S	11/08/06	0.5	SELENIUM	0.20	mg/kg
INORG	CPA-09S	11/08/06	0.5	SILVER	0.070	mg/kg
INORG	CPA-09S	11/08/06	0.5	SODIUM	430	mg/kg
INORG	CPA-09S	11/08/06	0.5	STRONTIUM	270	mg/kg
INORG	CPA-09S	11/08/06	0.5	SULFATE	18	mg/kg
INORG	CPA-09S	11/08/06	0.5	SULFUR	214	mg/KG
INORG	CPA-09S	11/08/06	0.5	TITANIUM	340	mg/kg
INORG	CPA-09S	11/08/06	0.5	VANADIUM	37	mg/kg
INORG	CPA-09S	11/08/06	0.5	ZINC	28J+	mg/kg
INORG	CPA-09S	11/08/06	5	ALKALINITY AS CACO3	9000	mg/kg
INORG	CPA-09S	11/08/06	5	ALKALINITY, BICARBONATE (AS CACO3)	8600	mg/kg
INORG	CPA-09S	11/08/06	5	ALKALINITY, CARBONATE (AS CACO3)	400	mg/kg
INORG	CPA-09S	11/08/06	5	ALUMINUM	5300	mg/kg
INORG	CPA-09S	11/08/06	5	AMMONIA	0.93J-	mg/kg
INORG	CPA-09S	11/08/06	5	ARSENIC	2.6	mg/kg
INORG	CPA-09S	11/08/06	5	BARIUM	120	mg/kg
INORG	CPA-09S	11/08/06	5	BERYLLIUM	0.47	mg/kg
INORG	CPA-09S	11/08/06	5	CADMIUM	0.066	mg/kg
INORG	CPA-09S	11/08/06	5	CALCIUM	26000J	mg/kg
INORG	CPA-09S	11/08/06	5	CHROMIUM	11	mg/kg
INORG	CPA-09S	11/08/06	5	COBALT	5.8	mg/kg
INORG	CPA-09S	11/08/06	5	COPPER	14	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-09S	11/08/06	5	FLUORIDE	2.1	mg/kg
INORG	CPA-09S	11/08/06	5	IRON	9200	mg/kg
INORG	CPA-09S	11/08/06	5	LEAD	4.9	mg/kg
INORG	CPA-09S	11/08/06	5	LITHIUM	15	mg/kg
INORG	CPA-09S	11/08/06	5	MAGNESIUM	6500	mg/kg
INORG	CPA-09S	11/08/06	5	MANGANESE	210	mg/kg
INORG	CPA-09S	11/08/06	5	MERCURY	0.0090	mg/kg
INORG	CPA-09S	11/08/06	5	NICKEL	17	mg/kg
INORG	CPA-09S	11/08/06	5	PH	9.25	pH Units
INORG	CPA-09S	11/08/06	5	PHOSPHORUS, TOTAL (AS P)	630	mg/kg
INORG	CPA-09S	11/08/06	5	PHOSPHORUS, TOTAL (AS P)	910	mg/kg
INORG	CPA-09S	11/08/06	5	POTASSIUM	1800	mg/kg
INORG	CPA-09S	11/08/06	5	SILVER	0.12	mg/kg
INORG	CPA-09S	11/08/06	5	SODIUM	480	mg/kg
INORG	CPA-09S	11/08/06	5	STRONTIUM	140	mg/kg
INORG	CPA-09S	11/08/06	5	SULFATE	59	mg/kg
INORG	CPA-09S	11/08/06	5	SULFUR	297	mg/KG
INORG	CPA-09S	11/08/06	5	TITANIUM	320	mg/kg
INORG	CPA-09S	11/08/06	5	VANADIUM	31	mg/kg
INORG	CPA-09S	11/08/06	5	ZINC	26J+	mg/kg
INORG	CPA-09S	11/08/06	10	ALKALINITY AS CACO3	39000	mg/kg
INORG	CPA-09S	11/08/06	10	ALKALINITY, BICARBONATE (AS CACO3)	37000	mg/kg
INORG	CPA-09S	11/08/06	10	ALKALINITY, CARBONATE (AS CACO3)	2400	mg/kg
INORG	CPA-09S	11/08/06	10	ALUMINUM	6100	mg/kg
INORG	CPA-09S	11/08/06	10	AMMONIA	0.76J-	mg/kg
INORG	CPA-09S	11/08/06	10	ARSENIC	2.6	mg/kg
INORG	CPA-09S	11/08/06	10	BARIUM	140	mg/kg
INORG	CPA-09S	11/08/06	10	BERYLLIUM	0.39	mg/kg
INORG	CPA-09S	11/08/06	10	CADMIUM	0.040	mg/kg
INORG	CPA-09S	11/08/06	10	CALCIUM	38000J	mg/kg
INORG	CPA-09S	11/08/06	10	CHLORIDE	26	mg/kg
INORG	CPA-09S	11/08/06	10	CHROMIUM	21	mg/kg
INORG	CPA-09S	11/08/06	10	COBALT	6.2	mg/kg
INORG	CPA-09S	11/08/06	10	COPPER	16	mg/kg
INORG	CPA-09S	11/08/06	10	FLUORIDE	2.7	mg/kg
INORG	CPA-09S	11/08/06	10	IRON	10000	mg/kg
INORG	CPA-09S	11/08/06	10	LEAD	4.5	mg/kg
INORG	CPA-09S	11/08/06	10	LITHIUM	16	mg/kg
INORG	CPA-09S	11/08/06	10	MAGNESIUM	8500	mg/kg
INORG	CPA-09S	11/08/06	10	MANGANESE	230	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-09S	11/08/06	10	MERCURY	0.010	mg/kg
INORG	CPA-09S	11/08/06	10	NICKEL	20	mg/kg
INORG	CPA-09S	11/08/06	10	NITRATE	2.3	mg/kg
INORG	CPA-09S	11/08/06	10	PH	9.07	pH Units
INORG	CPA-09S	11/08/06	10	PHOSPHORUS, TOTAL (AS P)	840	mg/kg
INORG	CPA-09S	11/08/06	10	PHOSPHORUS, TOTAL (AS P)	990	mg/kg
INORG	CPA-09S	11/08/06	10	POTASSIUM	1800	mg/kg
INORG	CPA-09S	11/08/06	10	SILVER	0.30	mg/kg
INORG	CPA-09S	11/08/06	10	SODIUM	460	mg/kg
INORG	CPA-09S	11/08/06	10	STRONTIUM	320	mg/kg
INORG	CPA-09S	11/08/06	10	SULFATE	95	mg/kg
INORG	CPA-09S	11/08/06	10	SULFUR	296	mg/KG
INORG	CPA-09S	11/08/06	10	TITANIUM	390	mg/kg
INORG	CPA-09S	11/08/06	10	VANADIUM	37	mg/kg
INORG	CPA-09S	11/08/06	10	ZINC	25J+	mg/kg
INORG	CPA-10S	11/15/06	0.5	ALKALINITY AS CACO3	5700	mg/kg
INORG	CPA-10S	11/15/06	0.5	ALKALINITY, BICARBONATE (AS CACO3)	5500	mg/kg
INORG	CPA-10S	11/15/06	0.5	ALKALINITY, CARBONATE (AS CACO3)	200	mg/kg
INORG	CPA-10S	11/15/06	0.5	ALUMINUM	6900	mg/kg
INORG	CPA-10S	11/15/06	0.5	AMMONIA	1.1J-	mg/kg
INORG	CPA-10S	11/15/06	0.5	ARSENIC	2.7	mg/kg
INORG	CPA-10S	11/15/06	0.5	BARIUM	160J-	mg/kg
INORG	CPA-10S	11/15/06	0.5	BERYLLIUM	0.38	mg/kg
INORG	CPA-10S	11/15/06	0.5	CADMIUM	0.35	mg/kg
INORG	CPA-10S	11/15/06	0.5	CALCIUM	27000	mg/kg
INORG	CPA-10S	11/15/06	0.5	CHLORIDE	12	mg/kg
INORG	CPA-10S	11/15/06	0.5	CHROMIUM	7.8	mg/kg
INORG	CPA-10S	11/15/06	0.5	COBALT	4.9	mg/kg
INORG	CPA-10S	11/15/06	0.5	COPPER	15	mg/kg
INORG	CPA-10S	11/15/06	0.5	FLUORIDE	1.5	mg/kg
INORG	CPA-10S	11/15/06	0.5	IRON	9000	mg/kg
INORG	CPA-10S	11/15/06	0.5	LEAD	9.4	mg/kg
INORG	CPA-10S	11/15/06	0.5	MAGNESIUM	6800	mg/kg
INORG	CPA-10S	11/15/06	0.5	MANGANESE	270J-	mg/kg
INORG	CPA-10S	11/15/06	0.5	MERCURY	0.012	mg/kg
INORG	CPA-10S	11/15/06	0.5	MOLYBDENUM	0.42	mg/kg
INORG	CPA-10S	11/15/06	0.5	NICKEL	14	mg/kg
INORG	CPA-10S	11/15/06	0.5	NITRATE	3.1	mg/kg
INORG	CPA-10S	11/15/06	0.5	PH	7.67	pH Units
INORG	CPA-10S	11/15/06	0.5	PHOSPHORUS, TOTAL (AS P)	850	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-10S	11/15/06	0.5	PHOSPHORUS, TOTAL (AS P)	960	mg/kg
INORG	CPA-10S	11/15/06	0.5	POTASSIUM	2300	mg/kg
INORG	CPA-10S	11/15/06	0.5	SILVER	0.097	mg/kg
INORG	CPA-10S	11/15/06	0.5	SODIUM	530	mg/kg
INORG	CPA-10S	11/15/06	0.5	STRONTIUM	190	mg/kg
INORG	CPA-10S	11/15/06	0.5	SULFATE	290	mg/kg
INORG	CPA-10S	11/15/06	0.5	SULFUR	617	mg/KG
INORG	CPA-10S	11/15/06	0.5	THALLIUM	0.12	mg/kg
INORG	CPA-10S	11/15/06	0.5	TITANIUM	500	mg/kg
INORG	CPA-10S	11/15/06	0.5	VANADIUM	24J-	mg/kg
INORG	CPA-10S	11/15/06	0.5	ZINC	41J-	mg/kg
INORG	CPA-10S	11/15/06	5	ALKALINITY AS CACO3	5600	mg/kg
INORG	CPA-10S	11/15/06	5	ALKALINITY, BICARBONATE (AS CACO3)	5300	mg/kg
INORG	CPA-10S	11/15/06	5	ALKALINITY, CARBONATE (AS CACO3)	300	mg/kg
INORG	CPA-10S	11/15/06	5	ALUMINUM	6000	mg/kg
INORG	CPA-10S	11/15/06	5	AMMONIA	1.0J-	mg/kg
INORG	CPA-10S	11/15/06	5	ARSENIC	2.5	mg/kg
INORG	CPA-10S	11/15/06	5	BARIUM	130J-	mg/kg
INORG	CPA-10S	11/15/06	5	BERYLLIUM	0.35	mg/kg
INORG	CPA-10S	11/15/06	5	CADMIUM	0.15	mg/kg
INORG	CPA-10S	11/15/06	5	CALCIUM	31000	mg/kg
INORG	CPA-10S	11/15/06	5	CHLORIDE	180	mg/kg
INORG	CPA-10S	11/15/06	5	CHROMIUM	5.0	mg/kg
INORG	CPA-10S	11/15/06	5	COBALT	3.7	mg/kg
INORG	CPA-10S	11/15/06	5	COPPER	12	mg/kg
INORG	CPA-10S	11/15/06	5	FLUORIDE	1.7	mg/kg
INORG	CPA-10S	11/15/06	5	IRON	7200	mg/kg
INORG	CPA-10S	11/15/06	5	LEAD	5.1	mg/kg
INORG	CPA-10S	11/15/06	5	MAGNESIUM	6600	mg/kg
INORG	CPA-10S	11/15/06	5	MANGANESE	180J-	mg/kg
INORG	CPA-10S	11/15/06	5	MOLYBDENUM	0.41	mg/kg
INORG	CPA-10S	11/15/06	5	NICKEL	10	mg/kg
INORG	CPA-10S	11/15/06	5	NITRATE	8.5	mg/kg
INORG	CPA-10S	11/15/06	5	ORTHOPHOSPHATE	1.3	mg/kg
INORG	CPA-10S	11/15/06	5	PH	7.43	pH Units
INORG	CPA-10S	11/15/06	5	PHOSPHORUS, TOTAL (AS P)	540	mg/kg
INORG	CPA-10S	11/15/06	5	PHOSPHORUS, TOTAL (AS P)	760	mg/kg
INORG	CPA-10S	11/15/06	5	POTASSIUM	1900	mg/kg
INORG	CPA-10S	11/15/06	5	SILVER	0.084	mg/kg
INORG	CPA-10S	11/15/06	5	SODIUM	750	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-10S	11/15/06	5	STRONTIUM	200	mg/kg
INORG	CPA-10S	11/15/06	5	SULFATE	780	mg/kg
INORG	CPA-10S	11/15/06	5	SULFUR	1240	mg/KG
INORG	CPA-10S	11/15/06	5	TITANIUM	440	mg/kg
INORG	CPA-10S	11/15/06	5	VANADIUM	19J-	mg/kg
INORG	CPA-10S	11/15/06	5	ZINC	25J-	mg/kg
INORG	CPA-10S	11/15/06	10	ALKALINITY AS CACO3	5000	mg/kg
INORG	CPA-10S	11/15/06	10	ALKALINITY, BICARBONATE (AS CACO3)	5000	mg/kg
INORG	CPA-10S	11/15/06	10	ALKALINITY, CARBONATE (AS CACO3)	100	mg/kg
INORG	CPA-10S	11/15/06	10	ALUMINUM	6600	mg/kg
INORG	CPA-10S	11/15/06	10	ARSENIC	3.9	mg/kg
INORG	CPA-10S	11/15/06	10	BARIUM	130J-	mg/kg
INORG	CPA-10S	11/15/06	10	BERYLLIUM	0.42	mg/kg
INORG	CPA-10S	11/15/06	10	CADMIUM	0.20	mg/kg
INORG	CPA-10S	11/15/06	10	CALCIUM	29000	mg/kg
INORG	CPA-10S	11/15/06	10	CHLORIDE	510	mg/kg
INORG	CPA-10S	11/15/06	10	CHROMIUM	7.7	mg/kg
INORG	CPA-10S	11/15/06	10	COBALT	5.4	mg/kg
INORG	CPA-10S	11/15/06	10	COPPER	15	mg/kg
INORG	CPA-10S	11/15/06	10	FLUORIDE	2.0	mg/kg
INORG	CPA-10S	11/15/06	10	IRON	9900	mg/kg
INORG	CPA-10S	11/15/06	10	LEAD	6.6	mg/kg
INORG	CPA-10S	11/15/06	10	MAGNESIUM	7100	mg/kg
INORG	CPA-10S	11/15/06	10	MANGANESE	280J-	mg/kg
INORG	CPA-10S	11/15/06	10	MOLYBDENUM	0.51	mg/kg
INORG	CPA-10S	11/15/06	10	NICKEL	14	mg/kg
INORG	CPA-10S	11/15/06	10	NITRATE	8.6	mg/kg
INORG	CPA-10S	11/15/06	10	PH	7.17	pH Units
INORG	CPA-10S	11/15/06	10	PHOSPHORUS, TOTAL (AS P)	800	mg/kg
INORG	CPA-10S	11/15/06	10	PHOSPHORUS, TOTAL (AS P)	960	mg/kg
INORG	CPA-10S	11/15/06	10	POTASSIUM	1900	mg/kg
INORG	CPA-10S	11/15/06	10	SILVER	0.12	mg/kg
INORG	CPA-10S	11/15/06	10	SODIUM	800	mg/kg
INORG	CPA-10S	11/15/06	10	STRONTIUM	170	mg/kg
INORG	CPA-10S	11/15/06	10	SULFATE	9100	mg/kg
INORG	CPA-10S	11/15/06	10	SULFUR	16200	mg/KG
INORG	CPA-10S	11/15/06	10	TITANIUM	500	mg/kg
INORG	CPA-10S	11/15/06	10	VANADIUM	28J-	mg/kg
INORG	CPA-10S	11/15/06	10	ZINC	33J-	mg/kg
INORG	CPA-11S	12/18/06	0.5	ALKALINITY AS CACO3	20000	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-11S	12/18/06	0.5	ALKALINITY, BICARBONATE (AS CACO3)	20000	mg/kg
INORG	CPA-11S	12/18/06	0.5	ALKALINITY, CARBONATE (AS CACO3)	200	mg/kg
INORG	CPA-11S	12/18/06	0.5	ALUMINUM	7400	mg/kg
INORG	CPA-11S	12/18/06	0.5	ARSENIC	4.9	mg/kg
INORG	CPA-11S	12/18/06	0.5	BARIUM	250	mg/kg
INORG	CPA-11S	12/18/06	0.5	BERYLLIUM	0.37	mg/kg
INORG	CPA-11S	12/18/06	0.5	CALCIUM	40000J	mg/kg
INORG	CPA-11S	12/18/06	0.5	CHROMIUM	10	mg/kg
INORG	CPA-11S	12/18/06	0.5	COBALT	4.4	mg/kg
INORG	CPA-11S	12/18/06	0.5	COPPER	9.6	mg/kg
INORG	CPA-11S	12/18/06	0.5	IRON	6000	mg/kg
INORG	CPA-11S	12/18/06	0.5	LEAD	15	mg/kg
INORG	CPA-11S	12/18/06	0.5	LITHIUM	26	mg/kg
INORG	CPA-11S	12/18/06	0.5	MAGNESIUM	9800	mg/kg
INORG	CPA-11S	12/18/06	0.5	MANGANESE	240	mg/kg
INORG	CPA-11S	12/18/06	0.5	MERCURY	0.017	mg/kg
INORG	CPA-11S	12/18/06	0.5	NICKEL	10	mg/kg
INORG	CPA-11S	12/18/06	0.5	NITRATE	1.5	mg/kg
INORG	CPA-11S	12/18/06	0.5	PH	7.85	pH Units
INORG	CPA-11S	12/18/06	0.5	PHOSPHORUS, TOTAL (AS P)	560	mg/kg
INORG	CPA-11S	12/18/06	0.5	PHOSPHORUS, TOTAL (AS P)	600	mg/kg
INORG	CPA-11S	12/18/06	0.5	POTASSIUM	2700	mg/kg
INORG	CPA-11S	12/18/06	0.5	SILVER	0.12	mg/kg
INORG	CPA-11S	12/18/06	0.5	SODIUM	1200J+	mg/kg
INORG	CPA-11S	12/18/06	0.5	STRONTIUM	460J+	mg/kg
INORG	CPA-11S	12/18/06	0.5	SULFATE	5500	mg/kg
INORG	CPA-11S	12/18/06	0.5	SULFUR	3170J-	mg/KG
INORG	CPA-11S	12/18/06	0.5	TITANIUM	200	mg/kg
INORG	CPA-11S	12/18/06	0.5	VANADIUM	33	mg/kg
INORG	CPA-11S	12/18/06	0.5	ZINC	29J-	mg/kg
INORG	CPA-12S	11/17/06	0.5	ALKALINITY AS CACO3	14000	mg/kg
INORG	CPA-12S	11/17/06	0.5	ALKALINITY, BICARBONATE (AS CACO3)	14000	mg/kg
INORG	CPA-12S	11/17/06	0.5	ALKALINITY, CARBONATE (AS CACO3)	200	mg/kg
INORG	CPA-12S	11/17/06	0.5	ALUMINUM	5200	mg/kg
INORG	CPA-12S	11/17/06	0.5	ARSENIC	4.2	mg/kg
INORG	CPA-12S	11/17/06	0.5	BARIUM	200	mg/kg
INORG	CPA-12S	11/17/06	0.5	BERYLLIUM	0.29	mg/kg
INORG	CPA-12S	11/17/06	0.5	CADMIUM	0.062	mg/kg
INORG	CPA-12S	11/17/06	0.5	CALCIUM	21000J	mg/kg
INORG	CPA-12S	11/17/06	0.5	CHLORIDE	8.8	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-12S	11/17/06	0.5	CHROMIUM	4.4	mg/kg
INORG	CPA-12S	11/17/06	0.5	COBALT	3.0	mg/kg
INORG	CPA-12S	11/17/06	0.5	COPPER	6.5	mg/kg
INORG	CPA-12S	11/17/06	0.5	IRON	6000	mg/kg
INORG	CPA-12S	11/17/06	0.5	LEAD	7.0	mg/kg
INORG	CPA-12S	11/17/06	0.5	LITHIUM	32	mg/kg
INORG	CPA-12S	11/17/06	0.5	MAGNESIUM	5600	mg/kg
INORG	CPA-12S	11/17/06	0.5	MANGANESE	160J-	mg/kg
INORG	CPA-12S	11/17/06	0.5	MOLYBDENUM	0.13	mg/kg
INORG	CPA-12S	11/17/06	0.5	NICKEL	7.3J-	mg/kg
INORG	CPA-12S	11/17/06	0.5	NITRATE	2.4	mg/kg
INORG	CPA-12S	11/17/06	0.5	PH	8.09	pH Units
INORG	CPA-12S	11/17/06	0.5	PHOSPHORUS, TOTAL (AS P)	490	mg/kg
INORG	CPA-12S	11/17/06	0.5	PHOSPHORUS, TOTAL (AS P)	870	mg/kg
INORG	CPA-12S	11/17/06	0.5	POTASSIUM	2400	mg/kg
INORG	CPA-12S	11/17/06	0.5	SILVER	0.056	mg/kg
INORG	CPA-12S	11/17/06	0.5	SODIUM	850	mg/kg
INORG	CPA-12S	11/17/06	0.5	STRONTIUM	300	mg/kg
INORG	CPA-12S	11/17/06	0.5	SULFATE	940	mg/kg
INORG	CPA-12S	11/17/06	0.5	SULFUR	1860	mg/KG
INORG	CPA-12S	11/17/06	0.5	TITANIUM	200	mg/kg
INORG	CPA-12S	11/17/06	0.5	VANADIUM	13	mg/kg
INORG	CPA-12S	11/17/06	0.5	ZINC	22J-	mg/kg
INORG	CPA-12S	11/17/06	5	ALKALINITY AS CACO3	21000	mg/kg
INORG	CPA-12S	11/17/06	5	ALKALINITY, BICARBONATE (AS CACO3)	21000	mg/kg
INORG	CPA-12S	11/17/06	5	ALKALINITY, CARBONATE (AS CACO3)	600	mg/kg
INORG	CPA-12S	11/17/06	5	ALUMINUM	6600	mg/kg
INORG	CPA-12S	11/17/06	5	ARSENIC	2.2	mg/kg
INORG	CPA-12S	11/17/06	5	BARIUM	150	mg/kg
INORG	CPA-12S	11/17/06	5	BERYLLIUM	0.58	mg/kg
INORG	CPA-12S	11/17/06	5	CADMIUM	0.057	mg/kg
INORG	CPA-12S	11/17/06	5	CALCIUM	30000J	mg/kg
INORG	CPA-12S	11/17/06	5	CHLORIDE	150	mg/kg
INORG	CPA-12S	11/17/06	5	CHROMIUM	7.0	mg/kg
INORG	CPA-12S	11/17/06	5	COBALT	6.2	mg/kg
INORG	CPA-12S	11/17/06	5	COPPER	13	mg/kg
INORG	CPA-12S	11/17/06	5	FLUORIDE	1.7	mg/kg
INORG	CPA-12S	11/17/06	5	IRON	11000	mg/kg
INORG	CPA-12S	11/17/06	5	LEAD	6.4	mg/kg
INORG	CPA-12S	11/17/06	5	LITHIUM	13	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-12S	11/17/06	5	MAGNESIUM	9000	mg/kg
INORG	CPA-12S	11/17/06	5	MANGANESE	290J-	mg/kg
INORG	CPA-12S	11/17/06	5	MERCURY	0.010	mg/kg
INORG	CPA-12S	11/17/06	5	MOLYBDENUM	0.20	mg/kg
INORG	CPA-12S	11/17/06	5	NICKEL	12J-	mg/kg
INORG	CPA-12S	11/17/06	5	NITRATE	5.5	mg/kg
INORG	CPA-12S	11/17/06	5	PH	8.29	pH Units
INORG	CPA-12S	11/17/06	5	PHOSPHORUS, TOTAL (AS P)	1200	mg/kg
INORG	CPA-12S	11/17/06	5	PHOSPHORUS, TOTAL (AS P)	780	mg/kg
INORG	CPA-12S	11/17/06	5	POTASSIUM	1900	mg/kg
INORG	CPA-12S	11/17/06	5	SELENIUM	0.22J-	mg/kg
INORG	CPA-12S	11/17/06	5	SILVER	0.089	mg/kg
INORG	CPA-12S	11/17/06	5	SODIUM	520	mg/kg
INORG	CPA-12S	11/17/06	5	STRONTIUM	250	mg/kg
INORG	CPA-12S	11/17/06	5	SULFATE	180	mg/kg
INORG	CPA-12S	11/17/06	5	SULFUR	416	mg/KG
INORG	CPA-12S	11/17/06	5	TITANIUM	360	mg/kg
INORG	CPA-12S	11/17/06	5	VANADIUM	24	mg/kg
INORG	CPA-12S	11/17/06	5	ZINC	22J-	mg/kg
INORG	CPA-12S	11/17/06	10	ALKALINITY AS CACO3	6500	mg/kg
INORG	CPA-12S	11/17/06	10	ALKALINITY, BICARBONATE (AS CACO3)	6000	mg/kg
INORG	CPA-12S	11/17/06	10	ALKALINITY, CARBONATE (AS CACO3)	500	mg/kg
INORG	CPA-12S	11/17/06	10	ALUMINUM	5500	mg/kg
INORG	CPA-12S	11/17/06	10	ARSENIC	1.5	mg/kg
INORG	CPA-12S	11/17/06	10	BARIUM	120	mg/kg
INORG	CPA-12S	11/17/06	10	BERYLLIUM	0.48	mg/kg
INORG	CPA-12S	11/17/06	10	CADMIUM	0.057	mg/kg
INORG	CPA-12S	11/17/06	10	CALCIUM	17000J	mg/kg
INORG	CPA-12S	11/17/06	10	CHLORIDE	79	mg/kg
INORG	CPA-12S	11/17/06	10	CHROMIUM	6.2	mg/kg
INORG	CPA-12S	11/17/06	10	COBALT	6.1	mg/kg
INORG	CPA-12S	11/17/06	10	COPPER	13	mg/kg
INORG	CPA-12S	11/17/06	10	FLUORIDE	3.2	mg/kg
INORG	CPA-12S	11/17/06	10	IRON	11000	mg/kg
INORG	CPA-12S	11/17/06	10	LEAD	5.7	mg/kg
INORG	CPA-12S	11/17/06	10	LITHIUM	13	mg/kg
INORG	CPA-12S	11/17/06	10	MAGNESIUM	7900	mg/kg
INORG	CPA-12S	11/17/06	10	MANGANESE	250J-	mg/kg
INORG	CPA-12S	11/17/06	10	MERCURY	0.012	mg/kg
INORG	CPA-12S	11/17/06	10	MOLYBDENUM	0.20	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
INORG	CPA-12S	11/17/06	10	NICKEL	14J-	mg/kg
INORG	CPA-12S	11/17/06	10	NITRATE	4.3	mg/kg
INORG	CPA-12S	11/17/06	10	PH	8.89	pH Units
INORG	CPA-12S	11/17/06	10	PHOSPHORUS, TOTAL (AS P)	1100	mg/kg
INORG	CPA-12S	11/17/06	10	PHOSPHORUS, TOTAL (AS P)	1400	mg/kg
INORG	CPA-12S	11/17/06	10	POTASSIUM	1200	mg/kg
INORG	CPA-12S	11/17/06	10	SILVER	0.084	mg/kg
INORG	CPA-12S	11/17/06	10	SODIUM	590	mg/kg
INORG	CPA-12S	11/17/06	10	STRONTIUM	210	mg/kg
INORG	CPA-12S	11/17/06	10	SULFATE	70	mg/kg
INORG	CPA-12S	11/17/06	10	SULFUR	230	mg/KG
INORG	CPA-12S	11/17/06	10	TITANIUM	380	mg/kg
INORG	CPA-12S	11/17/06	10	VANADIUM	25	mg/kg
INORG	CPA-12S	11/17/06	10	ZINC	23J-	mg/kg
PCB	CPA-01D	11/07/06	10	2,4'-DICHLOROBIPHENYL	4.9e-006	mg/kg
PCB	CPA-01D	11/07/06	10	4,4'-DICHLOROBIPHENYL	2.3e-006	mg/kg
PCB	CPA-01D	11/08/06	30	PCB 118	1.9e-006	mg/kg
PCB	CPA-01D	11/08/06	50	PCB 118	3e-006	mg/kg
PCB	CPA-02D	11/14/06	5	2,4'-DICHLOROBIPHENYL	3.6e-006	mg/kg
PCB	CPA-02D	11/14/06	5	PCB 118	1.55e-006	mg/kg
PCB	CPA-02D	11/14/06	5	PCB 156 & 157	5.2e-007	mg/kg
PCB	CPA-02D	11/15/06	50	2,4'-DICHLOROBIPHENYL	3.8e-006	mg/kg
PCB	CPA-03D	11/15/06	5	2,3'-DICHLOROBIPHENYL	1.44e-006	mg/kg
PCB	CPA-03D	11/15/06	5	2,4'-DICHLOROBIPHENYL	2.11e-006	mg/kg
PCB	CPA-03D	11/15/06	5	3,3'-DICHLOROBIPHENYL	2.56e-006	mg/kg
PCB	CPA-03D	11/15/06	10	PCB 118	1.4e-006	mg/kg
PCB	CPA-03D	11/15/06	30	2,3'-DICHLOROBIPHENYL	2.2e-006	mg/kg
PCB	CPA-03D	11/15/06	30	PCB 118	1.9e-006	mg/kg
PCB	CPA-03D	11/15/06	50	2,3'-DICHLOROBIPHENYL	3.2e-006	mg/kg
PCB	CPA-03D	11/15/06	50	2,4'-DICHLOROBIPHENYL	4.2e-006	mg/kg
PCB	CPA-03D	11/15/06	50	3,3'-DICHLOROBIPHENYL	4.7e-006	mg/kg
PCB	CPA-03D	11/15/06	50	3,4 & 3,4'-DICHLOROBIPHENYL	2.5e-006	mg/kg
PCB	CPA-03D	11/15/06	50	PCB 118	3.2e-006	mg/kg
PCB	CPA-04D	11/16/06	5	2,2'-DICHLOROBIPHENYL	0.000131	mg/kg
PCB	CPA-04D	11/16/06	5	2,3'-DICHLOROBIPHENYL	6.97e-005	mg/kg
PCB	CPA-04D	11/16/06	5	2,3-DICHLOROBIPHENYL	4.1e-006	mg/kg
PCB	CPA-04D	11/16/06	5	2,4'-DICHLOROBIPHENYL	5.89e-005	mg/kg
PCB	CPA-04D	11/16/06	5	2,5-DICHLOROBIPHENYL	2.3e-005	mg/kg
PCB	CPA-04D	11/16/06	5	2,6-DICHLOROBIPHENYL	1.17e-006	mg/kg
PCB	CPA-04D	11/16/06	5	3,3'-DICHLOROBIPHENYL	3.9e-006	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	CPA-04D	11/16/06	5	3,4 & 3,4'-DICHLOROBIPHENYL	7.7e-006	mg/kg
PCB	CPA-04D	11/16/06	5	PCB 081	1.31e-006	mg/kg
PCB	CPA-04D	11/16/06	5	PCB 114	1.11e-005	mg/kg
PCB	CPA-04D	11/16/06	5	PCB 118	8.35e-006	mg/kg
PCB	CPA-04D	11/16/06	5	PCB 123	8.3e-007	mg/kg
PCB	CPA-04D	11/16/06	5	PCB 156 & 157	4.16e-006	mg/kg
PCB	CPA-04D	11/16/06	5	PCB 167	1.17e-006	mg/kg
PCB	CPA-04D	11/16/06	5	PCB 189	5.4e-007	mg/kg
PCB	CPA-04D	11/16/06	10	2,4'-DICHLOROBIPHENYL	2.9e-006	mg/kg
PCB	CPA-04D	11/16/06	10	PCB 156 & 157	1.4e-006	mg/kg
PCB	CPA-04D	11/16/06	30	PCB 156 & 157	8.1e-007	mg/kg
PCB	CPA-04D	11/16/06	50	2,4'-DICHLOROBIPHENYL	3.1e-006	mg/kg
PCB	CPA-04D	11/16/06	50	PCB 156 & 157	8.4e-007	mg/kg
PCB	CPA-05D	11/16/06	0.25	2,2'-DICHLOROBIPHENYL	0.00151	mg/kg
PCB	CPA-05D	11/16/06	0.25	2,3'-DICHLOROBIPHENYL	0.00136	mg/kg
PCB	CPA-05D	11/16/06	0.25	2,3-DICHLOROBIPHENYL	0.000208	mg/kg
PCB	CPA-05D	11/16/06	0.25	2,4'-DICHLOROBIPHENYL	0.00148	mg/kg
PCB	CPA-05D	11/16/06	0.25	2,4-DICHLOROBIPHENYL	9.37e-005	mg/kg
PCB	CPA-05D	11/16/06	0.25	2,5-DICHLOROBIPHENYL	0.000483	mg/kg
PCB	CPA-05D	11/16/06	0.25	2,6-DICHLOROBIPHENYL	1.48e-005	mg/kg
PCB	CPA-05D	11/16/06	0.25	3,3'-DICHLOROBIPHENYL	0.000373	mg/kg
PCB	CPA-05D	11/16/06	0.25	3,4 & 3,4'-DICHLOROBIPHENYL	0.00218	mg/kg
PCB	CPA-05D	11/16/06	0.25	3,5-DICHLOROBIPHENYL	5.14e-005	mg/kg
PCB	CPA-05D	11/16/06	0.25	4,4'-DICHLOROBIPHENYL	0.000557	mg/kg
PCB	CPA-05D	11/16/06	0.25	PCB 077	0.000153	mg/kg
PCB	CPA-05D	11/16/06	0.25	PCB 081	0.000269	mg/kg
PCB	CPA-05D	11/16/06	0.25	PCB 105	0.00102	mg/kg
PCB	CPA-05D	11/16/06	0.25	PCB 114	0.00113	mg/kg
PCB	CPA-05D	11/16/06	0.25	PCB 118	0.00257	mg/kg
PCB	CPA-05D	11/16/06	0.25	PCB 123	3.37e-005	mg/kg
PCB	CPA-05D	11/16/06	0.25	PCB 126	2.43e-005	mg/kg
PCB	CPA-05D	11/16/06	0.25	PCB 156 & 157	0.00146	mg/kg
PCB	CPA-05D	11/16/06	0.25	PCB 167	0.000532	mg/kg
PCB	CPA-05D	11/16/06	0.25	PCB 189	0.000286	mg/kg
PCB	CPA-05D	11/16/06	10	2,4'-DICHLOROBIPHENYL	3.1e-006	mg/kg
PCB	CPA-05D	11/16/06	50	PCB 156 & 157	1.09e-006	mg/kg
PCB	CPA-05D	11/16/06	50	PCB 167	5.8e-007	mg/kg
PCB	CPA-06D	11/17/06	5	2,2'-DICHLOROBIPHENYL	6.23e-006	mg/kg
PCB	CPA-06D	11/17/06	5	2,3'-DICHLOROBIPHENYL	1.59e-005	mg/kg
PCB	CPA-06D	11/17/06	5	2,4'-DICHLOROBIPHENYL	4.7e-006	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	CPA-06D	11/17/06	5	3,3'-DICHLOROBIPHENYL	5.7e-006	mg/kg
PCB	CPA-06D	11/17/06	5	3,4 & 3,4'-DICHLOROBIPHENYL	5.13e-005	mg/kg
PCB	CPA-06D	11/17/06	5	4,4'-DICHLOROBIPHENYL	1.42e-005	mg/kg
PCB	CPA-06D	11/17/06	5	PCB 077	6.8e-005	mg/kg
PCB	CPA-06D	11/17/06	5	PCB 081	0.00026	mg/kg
PCB	CPA-06D	11/17/06	5	PCB 105	2.79e-005	mg/kg
PCB	CPA-06D	11/17/06	5	PCB 114	0.00108	mg/kg
PCB	CPA-06D	11/17/06	5	PCB 118	4.09e-005	mg/kg
PCB	CPA-06D	11/17/06	5	PCB 123	3.33e-006	mg/kg
PCB	CPA-06D	11/17/06	5	PCB 126	5.83e-006	mg/kg
PCB	CPA-06D	11/17/06	5	PCB 156 & 157	3.38e-005	mg/kg
PCB	CPA-06D	11/17/06	5	PCB 167	2.17e-006	mg/kg
PCB	CPA-06D	11/17/06	10	3,3'-DICHLOROBIPHENYL	2.6e-006	mg/kg
PCB	CPA-06D	11/17/06	10	PCB 156 & 157	1.02e-006	mg/kg
PCB	CPA-06D	11/17/06	30	2,2'-DICHLOROBIPHENYL	1.7e-006	mg/kg
PCB	CPA-06D	11/17/06	30	2,4'-DICHLOROBIPHENYL	3.4e-006	mg/kg
PCB	CPA-06D	11/17/06	50	2,4'-DICHLOROBIPHENYL	3.13e-006	mg/kg
PCB	CPA-06D	11/17/06	50	3,3'-DICHLOROBIPHENYL	3.58e-006	mg/kg
PCB	CPA-06D	11/17/06	50	PCB 156 & 157	2.84e-006	mg/kg
PCB	CPA-06D	11/17/06	50	PCB 167	1.17e-006	mg/kg
PCB	CPA-07D	11/27/06	5	2,2'-DICHLOROBIPHENYL	2.08e-005	mg/kg
PCB	CPA-07D	11/27/06	5	2,3'-DICHLOROBIPHENYL	2.1e-005	mg/kg
PCB	CPA-07D	11/27/06	5	2,4'-DICHLOROBIPHENYL	2.27e-005	mg/kg
PCB	CPA-07D	11/27/06	5	2,5-DICHLOROBIPHENYL	3.6e-006	mg/kg
PCB	CPA-07D	11/27/06	5	3,3'-DICHLOROBIPHENYL	7e-006	mg/kg
PCB	CPA-07D	11/27/06	5	3,4 & 3,4'-DICHLOROBIPHENYL	3.2e-005	mg/kg
PCB	CPA-07D	11/27/06	5	4,4'-DICHLOROBIPHENYL	4.6e-006	mg/kg
PCB	CPA-07D	11/27/06	5	PCB 081	2.32e-006	mg/kg
PCB	CPA-07D	11/27/06	5	PCB 114	1.01e-005	mg/kg
PCB	CPA-07D	11/27/06	5	PCB 156 & 157	1.75e-006	mg/kg
PCB	CPA-07D	11/27/06	5	PCB 167	6e-007	mg/kg
PCB	CPA-07D	11/27/06	10	PCB 156 & 157	9.8e-007	mg/kg
PCB	CPA-07D	11/27/06	30	3,3'-DICHLOROBIPHENYL	4.1e-006	mg/kg
PCB	CPA-07D	11/27/06	30	PCB 156 & 157	1.11e-006	mg/kg
PCB	CPA-07D	11/27/06	50	PCB 156 & 157	1.17e-006	mg/kg
PCB	CPA-08D	11/27/06	5	PCB 118	1.27e-006	mg/kg
PCB	CPA-08D	11/27/06	10	PCB 118	1.52e-006	mg/kg
PCB	CPA-08D	11/27/06	30	PCB 118	1.22e-006	mg/kg
PCB	CPA-08D	11/27/06	50	PCB 118	1.35e-006	mg/kg
PCB	CPA-09S	11/08/06	0.25	2,2'-DICHLOROBIPHENYL	0.00143	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	CPA-09S	11/08/06	0.25	2,3'-DICHLOROBIPHENYL	0.00108	mg/kg
PCB	CPA-09S	11/08/06	0.25	2,3-DICHLOROBIPHENYL	0.000142	mg/kg
PCB	CPA-09S	11/08/06	0.25	2,4'-DICHLOROBIPHENYL	0.00149	mg/kg
PCB	CPA-09S	11/08/06	0.25	2,4-DICHLOROBIPHENYL	6.75e-005	mg/kg
PCB	CPA-09S	11/08/06	0.25	2,5-DICHLOROBIPHENYL	0.000507	mg/kg
PCB	CPA-09S	11/08/06	0.25	2,6-DICHLOROBIPHENYL	1.74e-005	mg/kg
PCB	CPA-09S	11/08/06	0.25	3,3'-DICHLOROBIPHENYL	0.000176	mg/kg
PCB	CPA-09S	11/08/06	0.25	3,4 & 3,4'-DICHLOROBIPHENYL	0.00128	mg/kg
PCB	CPA-09S	11/08/06	0.25	3,5-DICHLOROBIPHENYL	2.32e-005	mg/kg
PCB	CPA-09S	11/08/06	0.25	4,4'-DICHLOROBIPHENYL	0.000478	mg/kg
PCB	CPA-09S	11/08/06	0.25	PCB 077	8.95e-005	mg/kg
PCB	CPA-09S	11/08/06	0.25	PCB 081	0.000114	mg/kg
PCB	CPA-09S	11/08/06	0.25	PCB 114	0.000495	mg/kg
PCB	CPA-09S	11/08/06	0.25	PCB 118	0.00122	mg/kg
PCB	CPA-09S	11/08/06	0.25	PCB 123	2.3e-005	mg/kg
PCB	CPA-09S	11/08/06	0.25	PCB 126	2.43e-005	mg/kg
PCB	CPA-09S	11/08/06	0.25	PCB 156 & 157	0.000398	mg/kg
PCB	CPA-09S	11/08/06	0.25	PCB 167	0.000134	mg/kg
PCB	CPA-09S	11/08/06	0.25	PCB 169	9.5e-006	mg/kg
PCB	CPA-09S	11/08/06	0.25	PCB 189	5.28e-005	mg/kg
PCB	CPA-09S	11/08/06	0.5	2,2'-DICHLOROBIPHENYL	0.000418	mg/kg
PCB	CPA-09S	11/08/06	0.5	2,3'-DICHLOROBIPHENYL	0.000451	mg/kg
PCB	CPA-09S	11/08/06	0.5	2,3-DICHLOROBIPHENYL	7.39e-005	mg/kg
PCB	CPA-09S	11/08/06	0.5	2,4'-DICHLOROBIPHENYL	0.000607	mg/kg
PCB	CPA-09S	11/08/06	0.5	2,4-DICHLOROBIPHENYL	3.11e-005	mg/kg
PCB	CPA-09S	11/08/06	0.5	2,5-DICHLOROBIPHENYL	0.000143	mg/kg
PCB	CPA-09S	11/08/06	0.5	2,6-DICHLOROBIPHENYL	4.1e-006	mg/kg
PCB	CPA-09S	11/08/06	0.5	3,3'-DICHLOROBIPHENYL	6.15e-005	mg/kg
PCB	CPA-09S	11/08/06	0.5	3,4 & 3,4'-DICHLOROBIPHENYL	0.0004	mg/kg
PCB	CPA-09S	11/08/06	0.5	3,5-DICHLOROBIPHENYL	1.27e-005	mg/kg
PCB	CPA-09S	11/08/06	0.5	4,4'-DICHLOROBIPHENYL	9.31e-005	mg/kg
PCB	CPA-09S	11/08/06	0.5	PCB 077	6.43e-006	mg/kg
PCB	CPA-09S	11/08/06	0.5	PCB 081	7.32e-006	mg/kg
PCB	CPA-09S	11/08/06	0.5	PCB 114	2.14e-005	mg/kg
PCB	CPA-09S	11/08/06	0.5	PCB 118	3.24e-005	mg/kg
PCB	CPA-09S	11/08/06	0.5	PCB 126	1.6e-006	mg/kg
PCB	CPA-09S	11/08/06	0.5	PCB 156 & 157	1.65e-005	mg/kg
PCB	CPA-09S	11/08/06	0.5	PCB 167	6.12e-006	mg/kg
PCB	CPA-09S	11/08/06	10	2,3'-DICHLOROBIPHENYL	3.9e-006	mg/kg
PCB	CPA-09S	11/08/06	10	2,4'-DICHLOROBIPHENYL	5.1e-006	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	CPA-09S	11/08/06	10	3,3'-DICHLOROBIPHENYL	4e-006	mg/kg
PCB	CPA-09S	11/08/06	10	PCB 114	1.63e-006	mg/kg
PCB	CPA-09S	11/08/06	10	PCB 118	3.41e-006	mg/kg
PCB	CPA-10S	11/15/06	0.25	2,2'-DICHLOROBIPHENYL	0.00104	mg/kg
PCB	CPA-10S	11/15/06	0.25	2,3'-DICHLOROBIPHENYL	0.000977	mg/kg
PCB	CPA-10S	11/15/06	0.25	2,3-DICHLOROBIPHENYL	0.000646	mg/kg
PCB	CPA-10S	11/15/06	0.25	2,4'-DICHLOROBIPHENYL	0.00129	mg/kg
PCB	CPA-10S	11/15/06	0.25	2,4-DICHLOROBIPHENYL	0.000122	mg/kg
PCB	CPA-10S	11/15/06	0.25	2,5-DICHLOROBIPHENYL	0.000864	mg/kg
PCB	CPA-10S	11/15/06	0.25	2,6-DICHLOROBIPHENYL	1.4e-005	mg/kg
PCB	CPA-10S	11/15/06	0.25	3,3'-DICHLOROBIPHENYL	0.00019	mg/kg
PCB	CPA-10S	11/15/06	0.25	3,4 & 3,4'-DICHLOROBIPHENYL	0.00157	mg/kg
PCB	CPA-10S	11/15/06	0.25	3,5-DICHLOROBIPHENYL	0.000151	mg/kg
PCB	CPA-10S	11/15/06	0.25	4,4'-DICHLOROBIPHENYL	0.000497	mg/kg
PCB	CPA-10S	11/15/06	0.25	AROCLOR-1260	1	mg/kg
PCB	CPA-10S	11/15/06	0.25	PCB 077	0.000686	mg/kg
PCB	CPA-10S	11/15/06	0.25	PCB 081	0.000179	mg/kg
PCB	CPA-10S	11/15/06	0.25	PCB 105	0.00358	mg/kg
PCB	CPA-10S	11/15/06	0.25	PCB 114	0.000632	mg/kg
PCB	CPA-10S	11/15/06	0.25	PCB 118	0.0088	mg/kg
PCB	CPA-10S	11/15/06	0.25	PCB 123	0.000111	mg/kg
PCB	CPA-10S	11/15/06	0.25	PCB 126	0.000263	mg/kg
PCB	CPA-10S	11/15/06	0.25	PCB 156 & 157	0.00683	mg/kg
PCB	CPA-10S	11/15/06	0.25	PCB 167	0.00279	mg/kg
PCB	CPA-10S	11/15/06	0.25	PCB 189	0.00173	mg/kg
PCB	CPA-10S	11/15/06	5	2,2'-DICHLOROBIPHENYL	1.95e-006	mg/kg
PCB	CPA-10S	11/15/06	5	3,3'-DICHLOROBIPHENYL	3.9e-006	mg/kg
PCB	CPA-10S	11/15/06	5	PCB 118	2.2e-006	mg/kg
PCB	CPA-11S	12/18/06	0.5	2,2'-DICHLOROBIPHENYL	0.00465	mg/kg
PCB	CPA-11S	12/18/06	0.5	2,3'-DICHLOROBIPHENYL	0.00415	mg/kg
PCB	CPA-11S	12/18/06	0.5	2,3-DICHLOROBIPHENYL	0.000486	mg/kg
PCB	CPA-11S	12/18/06	0.5	2,4'-DICHLOROBIPHENYL	0.00436	mg/kg
PCB	CPA-11S	12/18/06	0.5	2,4-DICHLOROBIPHENYL	0.000237	mg/kg
PCB	CPA-11S	12/18/06	0.5	2,5-DICHLOROBIPHENYL	0.00145	mg/kg
PCB	CPA-11S	12/18/06	0.5	2,6-DICHLOROBIPHENYL	3.53e-005	mg/kg
PCB	CPA-11S	12/18/06	0.5	3,3'-DICHLOROBIPHENYL	0.00095	mg/kg
PCB	CPA-11S	12/18/06	0.5	3,4 & 3,4'-DICHLOROBIPHENYL	0.00559	mg/kg
PCB	CPA-11S	12/18/06	0.5	3,5-DICHLOROBIPHENYL	0.000128	mg/kg
PCB	CPA-11S	12/18/06	0.5	4,4'-DICHLOROBIPHENYL	0.00132	mg/kg
PCB	CPA-11S	12/18/06	0.5	PCB 077	0.00013	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PCB	CPA-11S	12/18/06	0.5	PCB 081	0.000157	mg/kg
PCB	CPA-11S	12/18/06	0.5	PCB 105	0.00151	mg/kg
PCB	CPA-11S	12/18/06	0.5	PCB 114	0.00101	mg/kg
PCB	CPA-11S	12/18/06	0.5	PCB 118	0.00367	mg/kg
PCB	CPA-11S	12/18/06	0.5	PCB 123	6.95e-005	mg/kg
PCB	CPA-11S	12/18/06	0.5	PCB 126	2.83e-005	mg/kg
PCB	CPA-11S	12/18/06	0.5	PCB 156 & 157	0.00102	mg/kg
PCB	CPA-11S	12/18/06	0.5	PCB 167	0.000318	mg/kg
PCB	CPA-11S	12/18/06	0.5	PCB 169	1.28e-005	mg/kg
PCB	CPA-11S	12/18/06	0.5	PCB 189	8.4e-005	mg/kg
PCB	CPA-12S	11/17/06	0.25	PCB 156 & 157	8.9e-007	mg/kg
PCB	CPA-12S	11/17/06	5	2,2'-DICHLOROBIPHENYL	2.03e-006	mg/kg
PCB	CPA-12S	11/17/06	5	PCB 167	5.9e-007	mg/kg
PCB	CPA-12S	11/17/06	10	2,4'-DICHLOROBIPHENYL	2.4e-006	mg/kg
PCB	CPA-12S	11/17/06	10	PCB 156 & 157	8.6e-007	mg/kg
PCB	CPA-12S	11/17/06	10	PCB 167	4e-007	mg/kg
PEST	CPA-01D	11/08/06	20	ENDRIN ALDEHYDE	0.0017	mg/kg
PEST	CPA-02D	11/15/06	40	ENDRIN ALDEHYDE	0.0015	mg/kg
PEST	CPA-04D	11/16/06	5	2,4'-DDE	0.044	mg/kg
PEST	CPA-04D	11/16/06	5	2,4'-DDT	0.0018	mg/kg
PEST	CPA-04D	11/16/06	5	4,4'-DDE	0.0015	mg/kg
PEST	CPA-04D	11/16/06	5	ALPHA-BHC	0.0025	mg/kg
PEST	CPA-04D	11/16/06	5	ENDOSULFAN I	0.0017	mg/kg
PEST	CPA-04D	11/16/06	10	2,4'-DDT	0.0019	mg/kg
PEST	CPA-04D	11/16/06	10	ENDRIN ALDEHYDE	0.0021	mg/kg
PEST	CPA-05D	11/16/06	0.5	2,4'-DDE	0.06	mg/kg
PEST	CPA-05D	11/16/06	0.5	2,4'-DDT	0.07	mg/kg
PEST	CPA-05D	11/16/06	0.5	4,4'-DDE	0.22	mg/kg
PEST	CPA-05D	11/16/06	0.5	4,4'-DDT	0.31	mg/kg
PEST	CPA-05D	11/16/06	0.5	ALPHA-BHC	0.032	mg/kg
PEST	CPA-05D	11/16/06	0.5	BETA-BHC	0.27	mg/kg
PEST	CPA-05D	11/16/06	0.5	ENDOSULFAN II	0.029	mg/kg
PEST	CPA-05D	11/16/06	0.5	ENDRIN	0.025	mg/kg
PEST	CPA-06D	11/17/06	5	2,4'-DDE	0.018	mg/kg
PEST	CPA-06D	11/17/06	5	4,4'-DDE	0.0087	mg/kg
PEST	CPA-06D	11/17/06	5	ENDOSULFAN I	0.0017	mg/kg
PEST	CPA-06D	11/17/06	5	ENDRIN KETONE	0.0022	mg/kg
PEST	CPA-07D	11/27/06	5	2,4'-DDE	0.002	mg/kg
PEST	CPA-07D	11/27/06	5	ENDRIN ALDEHYDE	0.002	mg/kg
PEST	CPA-07D	11/27/06	20	ENDRIN ALDEHYDE	0.0017	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
PEST	CPA-09S	11/08/06	0.5	4,4'-DDE	0.035	mg/kg
PEST	CPA-09S	11/08/06	0.5	4,4'-DDT	0.074	mg/kg
PEST	CPA-09S	11/08/06	0.5	BETA-BHC	0.22	mg/kg
PEST	CPA-09S	11/08/06	5	ENDRIN ALDEHYDE	0.002	mg/kg
PEST	CPA-09S	11/08/06	10	ENDRIN ALDEHYDE	0.0016	mg/kg
PEST	CPA-10S	11/15/06	0.5	ALPHA-BHC	0.14	mg/kg
PEST	CPA-10S	11/15/06	0.5	BETA-BHC	0.42	mg/kg
PEST	CPA-10S	11/15/06	0.5	DELTA-BHC	0.044	mg/kg
PEST	CPA-11S	12/18/06	0.5	2,4'-DDE	0.049	mg/kg
PEST	CPA-11S	12/18/06	0.5	2,4'-DDT	0.061	mg/kg
PEST	CPA-11S	12/18/06	0.5	4,4'-DDE	0.12	mg/kg
PEST	CPA-11S	12/18/06	0.5	4,4'-DDT	0.35	mg/kg
PEST	CPA-11S	12/18/06	0.5	BETA-BHC	0.21	mg/kg
SVOC	CPA-01D	11/07/06	5	3-HEXENE-2,5-DIONE	3.5	mg/kg
SVOC	CPA-01D	11/07/06	10	3-HEXENE-2,5-DIONE	3.4	mg/kg
SVOC	CPA-01D	11/08/06	50	2,5-DIMETHYLHEPTANE	2.1	mg/kg
SVOC	CPA-01D	11/08/06	50	2-METHYLOCTANE	1.7	mg/kg
SVOC	CPA-02D	11/14/06	5	2,5-DIMETHYLHEPTANE	2.2	mg/kg
SVOC	CPA-02D	11/14/06	10	2,5-DIMETHYLHEPTANE	1.8	mg/kg
SVOC	CPA-02D	11/14/06	30	2,5-DIMETHYLHEPTANE	1.8	mg/kg
SVOC	CPA-05D	11/16/06	0.5	2,2'-/4,4'-DICHLOROBENZIL	0.24	mg/kg
SVOC	CPA-07D	11/27/06	30	DI-N-BUTYL PHTHALATE	0.15	mg/kg
SVOC	CPA-08D	11/27/06	5	3-HEXENE-2,5-DIONE	1.9	mg/kg
SVOC	CPA-08D	11/27/06	10	3-HEXENE-2,5-DIONE	1.9	mg/kg
SVOC	CPA-08D	11/27/06	30	3-HEXENE-2,5-DIONE	2	mg/kg
SVOC	CPA-08D	11/27/06	50	3-HEXENE-2,5-DIONE	2.2	mg/kg
SVOC	CPA-09S	11/08/06	0.5	2,5-DIMETHYLHEPTANE	2.5	mg/kg
SVOC	CPA-09S	11/08/06	0.5	2,6-DIMETHYLHEPTANE	1900	ug/kg
SVOC	CPA-11S	12/18/06	0.5	1,2-DICHLOROBENZENE	0.085	mg/kg
SVOC	CPA-11S	12/18/06	0.5	1,4-DICHLOROBENZENE	0.081	mg/kg
SVOC	CPA-11S	12/18/06	0.5	3-HEXENE-2,5-DIONE	1.8	mg/kg
SVOC	CPA-11S	12/18/06	0.5	DI-N-BUTYL PHTHALATE	0.11	mg/kg
VOC	CPA-01D	11/07/06	5	ACETONE	0.029	mg/kg
VOC	CPA-01D	11/07/06	5	CHLOROFORM	0.021	mg/kg
VOC	CPA-01D	11/07/06	10	ACETONE	0.023	mg/kg
VOC	CPA-01D	11/07/06	10	CHLOROFORM	0.0062	mg/kg
VOC	CPA-01D	11/07/06	10	TOLUENE	0.00046	mg/kg
VOC	CPA-01D	11/08/06	20	CHLOROFORM	0.012	mg/kg
VOC	CPA-01D	11/08/06	30	CHLOROFORM	0.07	mg/kg
VOC	CPA-01D	11/08/06	40	CHLOROFORM	0.68	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
VOC	CPA-01D	11/08/06	50	CHLOROFORM	0.68	mg/kg
VOC	CPA-02D	11/14/06	5	ACETONE	0.024J-	mg/kg
VOC	CPA-02D	11/14/06	5	CHLOROFORM	0.027	mg/kg
VOC	CPA-02D	11/14/06	5	EFH (C8 - C40)	3.1	mg/kg
VOC	CPA-02D	11/14/06	5	ORO (C25-C40)	2.4	mg/kg
VOC	CPA-02D	11/14/06	10	ACETONE	0.018J-	mg/kg
VOC	CPA-02D	11/14/06	10	CHLOROFORM	0.06	mg/kg
VOC	CPA-02D	11/14/06	20	ACETONE	0.018J-	mg/kg
VOC	CPA-02D	11/14/06	20	CHLOROFORM	0.059	mg/kg
VOC	CPA-02D	11/14/06	20	TOLUENE	0.00059	mg/kg
VOC	CPA-02D	11/14/06	30	CHLOROFORM	0.1	mg/kg
VOC	CPA-02D	11/15/06	40	CHLOROFORM	1.3	mg/kg
VOC	CPA-02D	11/15/06	50	CHLOROFORM	1	mg/kg
VOC	CPA-03D	11/15/06	5	ACETONE	0.035J-	mg/kg
VOC	CPA-03D	11/15/06	5	CHLOROFORM	0.0081	mg/kg
VOC	CPA-03D	11/15/06	5	EFH (C8 - C40)	1.9	mg/kg
VOC	CPA-03D	11/15/06	10	ACETONE	0.019J-	mg/kg
VOC	CPA-03D	11/15/06	10	CHLOROFORM	0.0092	mg/kg
VOC	CPA-03D	11/15/06	20	ACETONE	0.011J-	mg/kg
VOC	CPA-03D	11/15/06	20	CHLOROFORM	0.022	mg/kg
VOC	CPA-03D	11/15/06	30	CHLOROFORM	0.036	mg/kg
VOC	CPA-03D	11/15/06	40	CHLOROFORM	0.11	mg/kg
VOC	CPA-03D	11/15/06	50	CHLOROFORM	0.84	mg/kg
VOC	CPA-03D	11/15/06	50	GRO (C4 - C12)	0.17	mg/kg
VOC	CPA-04D	11/16/06	5	1,2,4-TRICHLOROBENZENE	0.001	mg/kg
VOC	CPA-04D	11/16/06	5	ACETONE	0.044	mg/kg
VOC	CPA-04D	11/16/06	5	CARBON TETRACHLORIDE	0.00082	mg/kg
VOC	CPA-04D	11/16/06	5	CHLOROFORM	0.025	mg/kg
VOC	CPA-04D	11/16/06	5	EFH (C8 - C40)	2.5	mg/kg
VOC	CPA-04D	11/16/06	10	ACETONE	0.022J-	mg/kg
VOC	CPA-04D	11/16/06	10	CHLOROFORM	0.053	mg/kg
VOC	CPA-04D	11/16/06	10	TOLUENE	0.00053	mg/kg
VOC	CPA-04D	11/16/06	20	ACETONE	0.011J-	mg/kg
VOC	CPA-04D	11/16/06	20	CARBON TETRACHLORIDE	0.0029	mg/kg
VOC	CPA-04D	11/16/06	20	CHLOROFORM	0.22	mg/kg
VOC	CPA-04D	11/16/06	30	CHLOROFORM	0.1	mg/kg
VOC	CPA-04D	11/16/06	40	CARBON TETRACHLORIDE	0.038	mg/kg
VOC	CPA-04D	11/16/06	40	CHLOROFORM	1.6	mg/kg
VOC	CPA-04D	11/16/06	50	CARBON TETRACHLORIDE	0.12	mg/kg
VOC	CPA-04D	11/16/06	50	CHLOROFORM	1.8	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
VOC	CPA-04D	11/16/06	50	EFH (C8 - C40)	1.8	mg/kg
VOC	CPA-04D	11/16/06	50	GRO (C4 - C12)	0.21	mg/kg
VOC	CPA-05D	11/16/06	0.5	2-BUTANONE	0.0066J	mg/kg
VOC	CPA-05D	11/16/06	0.5	ACETONE	0.051	mg/kg
VOC	CPA-05D	11/16/06	0.5	BENZENE	0.0016	mg/kg
VOC	CPA-05D	11/16/06	0.5	CHLOROFORM	0.0015	mg/kg
VOC	CPA-05D	11/16/06	0.5	DRO (C8-C24)	8.2	mg/kg
VOC	CPA-05D	11/16/06	0.5	EFH (C8 - C40)	22	mg/kg
VOC	CPA-05D	11/16/06	0.5	ORO (C25-C40)	14	mg/kg
VOC	CPA-05D	11/16/06	5	ACETONE	0.036	mg/kg
VOC	CPA-05D	11/16/06	5	CHLOROFORM	0.014	mg/kg
VOC	CPA-05D	11/16/06	5	DRO (C8-C24)	2.2	mg/kg
VOC	CPA-05D	11/16/06	5	EFH (C8 - C40)	3.0	mg/kg
VOC	CPA-05D	11/16/06	10	ACETONE	0.028	mg/kg
VOC	CPA-05D	11/16/06	10	CARBON TETRACHLORIDE	0.0007	mg/kg
VOC	CPA-05D	11/16/06	10	CHLOROFORM	0.036	mg/kg
VOC	CPA-05D	11/16/06	20	ACETONE	0.021	mg/kg
VOC	CPA-05D	11/16/06	20	BENZENE	0.00052	mg/kg
VOC	CPA-05D	11/16/06	20	CARBON TETRACHLORIDE	0.0017	mg/kg
VOC	CPA-05D	11/16/06	20	CHLOROFORM	0.061	mg/kg
VOC	CPA-05D	11/16/06	30	CHLOROFORM	0.36	mg/kg
VOC	CPA-05D	11/16/06	40	CHLOROFORM	0.59	mg/kg
VOC	CPA-05D	11/16/06	50	CHLOROFORM	3.2	mg/kg
VOC	CPA-05D	11/16/06	50	GRO (C4 - C12)	0.21	mg/kg
VOC	CPA-06D	11/17/06	5	2-BUTANONE	0.0069J	mg/kg
VOC	CPA-06D	11/17/06	5	ACETONE	0.062	mg/kg
VOC	CPA-06D	11/17/06	5	CHLOROFORM	0.032	mg/kg
VOC	CPA-06D	11/17/06	10	ACETONE	0.019	mg/kg
VOC	CPA-06D	11/17/06	10	CHLOROFORM	0.015	mg/kg
VOC	CPA-06D	11/17/06	20	CHLOROFORM	0.62	mg/kg
VOC	CPA-06D	11/17/06	30	CHLOROFORM	0.57	mg/kg
VOC	CPA-06D	11/17/06	40	CHLOROFORM	0.87	mg/kg
VOC	CPA-06D	11/17/06	50	CHLOROFORM	2.1	mg/kg
VOC	CPA-06D	11/17/06	50	GRO (C4 - C12)	0.19	mg/kg
VOC	CPA-07D	11/27/06	5	ACETONE	0.03	mg/kg
VOC	CPA-07D	11/27/06	5	CHLOROFORM	0.099	mg/kg
VOC	CPA-07D	11/27/06	5	EFH (C8 - C40)	2.4	mg/kg
VOC	CPA-07D	11/27/06	10	ACETONE	0.015	mg/kg
VOC	CPA-07D	11/27/06	10	CHLOROFORM	0.15	mg/kg
VOC	CPA-07D	11/27/06	10	EFH (C8 - C40)	2.1	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
VOC	CPA-07D	11/27/06	20	CHLOROFORM	3.5	mg/kg
VOC	CPA-07D	11/27/06	30	CHLOROFORM	0.35	mg/kg
VOC	CPA-07D	11/27/06	30	EFH (C8 - C40)	2.1	mg/kg
VOC	CPA-07D	11/27/06	30	GRO (C4 - C12)	0.15	mg/kg
VOC	CPA-07D	11/27/06	40	CHLOROFORM	12	mg/kg
VOC	CPA-07D	11/27/06	50	CHLOROFORM	8.9	mg/kg
VOC	CPA-08D	11/27/06	5	ACETONE	0.032	mg/kg
VOC	CPA-08D	11/27/06	5	CHLOROFORM	0.00068	mg/kg
VOC	CPA-08D	11/27/06	5	TOLUENE	0.00059	mg/kg
VOC	CPA-08D	11/27/06	10	ACETONE	0.0096	mg/kg
VOC	CPA-08D	11/27/06	10	CHLOROFORM	0.0007	mg/kg
VOC	CPA-08D	11/27/06	10	EFH (C8 - C40)	2.1	mg/kg
VOC	CPA-08D	11/27/06	20	ACETONE	0.01	mg/kg
VOC	CPA-08D	11/27/06	20	CHLOROFORM	0.074	mg/kg
VOC	CPA-08D	11/27/06	30	ACETONE	0.011	mg/kg
VOC	CPA-08D	11/27/06	30	CHLOROFORM	0.0047	mg/kg
VOC	CPA-08D	11/27/06	30	EFH (C8 - C40)	1.8	mg/kg
VOC	CPA-08D	11/27/06	40	ACETONE	0.0091	mg/kg
VOC	CPA-08D	11/27/06	40	BENZENE	0.00052	mg/kg
VOC	CPA-08D	11/27/06	40	CHLOROFORM	0.11	mg/kg
VOC	CPA-08D	11/27/06	40	TOLUENE	0.00064	mg/kg
VOC	CPA-08D	11/27/06	50	ACETONE	0.0094	mg/kg
VOC	CPA-08D	11/27/06	50	CHLOROFORM	0.015	mg/kg
VOC	CPA-08D	11/27/06	50	EFH (C8 - C40)	2.1	mg/kg
VOC	CPA-09S	11/08/06	0.5	ACETONE	0.04J+	mg/kg
VOC	CPA-09S	11/08/06	0.5	CHLOROFORM	0.0098	mg/kg
VOC	CPA-09S	11/08/06	5	ACETONE	0.036J+	mg/kg
VOC	CPA-09S	11/08/06	5	CHLOROFORM	0.053	mg/kg
VOC	CPA-09S	11/08/06	10	ACETONE	0.022J+	mg/kg
VOC	CPA-09S	11/08/06	10	CHLOROFORM	0.052	mg/kg
VOC	CPA-10S	11/15/06	0.5	ACETONE	0.03J-	mg/kg
VOC	CPA-10S	11/15/06	0.5	BENZENE	0.00059	mg/kg
VOC	CPA-10S	11/15/06	0.5	CHLOROFORM	0.0083	mg/kg
VOC	CPA-10S	11/15/06	0.5	DRO (C8-C24)	3.5	mg/kg
VOC	CPA-10S	11/15/06	0.5	EFH (C8 - C40)	8.7	mg/kg
VOC	CPA-10S	11/15/06	0.5	ORO (C25-C40)	5.2	mg/kg
VOC	CPA-10S	11/15/06	5	ACETONE	0.028J-	mg/kg
VOC	CPA-10S	11/15/06	5	BENZENE	0.00054	mg/kg
VOC	CPA-10S	11/15/06	5	CHLOROFORM	0.034	mg/kg
VOC	CPA-10S	11/15/06	5	DRO (C8-C24)	1.8	mg/kg

Table 2-6
Summary of Detected Compounds in Soil
2006 Shallow and Deep Soil Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Parameter Group	Location ID	Sample Date	Sample Depth	Parameter	Result	Units
VOC	CPA-10S	11/15/06	5	EFH (C8 - C40)	2.5	mg/kg
VOC	CPA-10S	11/15/06	10	ACETONE	0.01J-	mg/kg
VOC	CPA-10S	11/15/06	10	CHLOROFORM	0.032	mg/kg
VOC	CPA-11S	12/18/06	0.5	ACETONE	0.063	mg/kg
VOC	CPA-11S	12/18/06	0.5	BENZENE	0.00061	mg/kg
VOC	CPA-11S	12/18/06	0.5	CHLOROBENZENE	0.00061	mg/kg
VOC	CPA-11S	12/18/06	0.5	CHLOROFORM	0.014	mg/kg
VOC	CPA-11S	12/18/06	0.5	ORO (C25-C40)	7.9	mg/kg
VOC	CPA-12S	11/17/06	0.5	ACETONE	0.039	mg/kg
VOC	CPA-12S	11/17/06	0.5	BENZENE	0.001	mg/kg
VOC	CPA-12S	11/17/06	0.5	CHLOROFORM	0.013	mg/kg
VOC	CPA-12S	11/17/06	0.5	TOLUENE	0.00052	mg/kg
VOC	CPA-12S	11/17/06	5	ACETONE	0.044	mg/kg
VOC	CPA-12S	11/17/06	5	CHLOROFORM	0.1	mg/kg
VOC	CPA-12S	11/17/06	10	ACETONE	0.025	mg/kg
VOC	CPA-12S	11/17/06	10	CHLOROFORM	0.1	mg/kg

Table 2-7
Summary of Volatile Organic Compound Detections in Soil Vapor
2006 Soil Vapor Study Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Location ID	Sample Date	Depth	Parameter	Result	Units
P01	04/10/06	9.5	2-BUTANONE	1.2	ug/l
P01	04/10/06	9.5	2-BUTANONE	2.9	ug/l
P01	04/10/06	9.5	2-BUTANONE	9.6	ug/l
P01	04/10/06	9.5	ACETONE	13	ug/l
P01	04/10/06	9.5	ACETONE	6.2	ug/l
P01	04/10/06	21.5	2-BUTANONE	2.7	ug/l
P02	04/20/06	20	CHLOROFORM	1.2	ug/l
P02	04/20/06	40	CHLOROFORM	1.1	ug/l
P03	04/10/06	10	2-BUTANONE	1.0	ug/l
P03	04/10/06	22	2-BUTANONE	1.5	ug/l
P04	04/11/06	40	2-BUTANONE	2.2	ug/l
P06	04/13/06	10	2-BUTANONE	6.2	ug/l
P06	04/13/06	10	ACETONE	13	ug/l
P06	04/13/06	20	2-BUTANONE	3.4	ug/l
P06	04/13/06	20	ACETONE	8.8	ug/l
P07	04/11/06	20	ACETONE	5.8	ug/l
P07	04/11/06	40	2-BUTANONE	3.4	ug/l
P07	04/11/06	40	ACETONE	7.2	ug/l
P08	04/20/06	10	CARBON TETRACHLORIDE	1.2	ug/l
P08	04/20/06	10	CHLOROFORM	41	ug/l
P08	04/20/06	20	CARBON TETRACHLORIDE	2.3	ug/l
P08	04/20/06	20	CHLOROFORM	98	ug/l
P08	04/20/06	40	CHLOROFORM	20	ug/l
P09	04/17/06	10	2-BUTANONE	1.5	ug/l
P09	04/17/06	10	ACETONE	5.7	ug/l
P09	04/17/06	20	ACETONE	13	ug/l
P09	04/17/06	40	2-BUTANONE	3.1	ug/l
P09	04/17/06	40	ACETONE	7.3	ug/l
P09	04/17/06	40	CHLOROFORM	1.0	ug/l
P10	04/13/06	10	2-BUTANONE	3.4	ug/l
P10	04/13/06	10	2-HEXANONE	1.3	ug/l
P10	04/13/06	10	4-METHYL-2-PENTANONE	1.6	ug/l
P10	04/13/06	10	ACETONE	5.8	ug/l
P10	04/13/06	10	CHLOROFORM	1.0	ug/l
P10	04/13/06	10	CHLOROFORM	1.4	ug/l
P10	04/13/06	20	CHLOROFORM	2.2	ug/l
P10	04/13/06	39	2-BUTANONE	6.0	ug/l
P10	04/13/06	39	ACETONE	12	ug/l
P10	04/13/06	39	CHLOROFORM	5.7	ug/l
P11	04/12/06	10	2-BUTANONE	2.5	ug/l
P11	04/12/06	10	ACETONE	7.2	ug/l
P11	04/12/06	10	CHLOROFORM	14	ug/l
P11	04/12/06	20	2-BUTANONE	2.9	ug/l
P11	04/12/06	20	ACETONE	7.0	ug/l
P11	04/12/06	20	CARBON TETRACHLORIDE	2.5	ug/l
P11	04/12/06	20	CHLOROFORM	72	ug/l
P11	04/12/06	40	2-HEXANONE	7.2	ug/l
P11	04/12/06	40	4-METHYL-2-PENTANONE	9.7	ug/l
P11	04/12/06	40	ACETONE	23	ug/l
P11	04/12/06	40	BENZENE	1.3	ug/l
P11	04/12/06	40	CARBON TETRACHLORIDE	6.1	ug/l
P11	04/12/06	40	CHLOROFORM	190	ug/l
P12	04/12/06	10	CHLOROFORM	6.3	ug/l
P12	04/12/06	20	CHLOROFORM	24	ug/l

Table 2-7
Summary of Volatile Organic Compound Detections in Soil Vapor
2006 Soil Vapor Study Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Location ID	Sample Date	Depth	Parameter	Result	Units
P12	04/12/06	42	2-BUTANONE	5.7	ug/l
P12	04/12/06	42	ACETONE	12	ug/l
P12	04/12/06	42	CHLOROFORM	33	ug/l
P13	04/28/06	12	CHLOROFORM	210	ug/l
P13	05/01/06	40	CHLOROFORM	56	ug/l
P14	04/27/06	10	CHLOROFORM	67	ug/l
P14	04/27/06	10	CHLOROMETHANE	3.1	ug/l
P14	04/27/06	20	CARBON TETRACHLORIDE	3.4	ug/l
P14	04/27/06	20	CHLOROFORM	280	ug/l
P14	04/27/06	20	CHLOROMETHANE	2.5	ug/l
P14	04/28/06	40	CHLOROFORM	230	ug/l
P15	04/27/06	10	CARBON TETRACHLORIDE	1.2	ug/l
P15	04/27/06	10	CHLOROFORM	490	ug/l
P15	04/28/06	22	CHLOROFORM	320	ug/l
P15	04/28/06	42	CHLOROFORM	52	ug/l
P16	04/26/06	10	BROMODICHLOROMETHANE	1.2	ug/l
P16	04/26/06	10	CARBON TETRACHLORIDE	28	ug/l
P16	04/26/06	10	CHLOROFORM	7900	ug/l
P16	05/01/06	15	CARBON TETRACHLORIDE	39	ug/l
P16	05/01/06	15	CHLOROFORM	2900	ug/l
P16	05/01/06	20	CHLOROFORM	1500	ug/l
P16	05/01/06	25	CHLOROFORM	9100	ug/l
P16	05/01/06	30	CARBON TETRACHLORIDE	58	ug/l
P16	05/01/06	30	CHLOROFORM	6000	ug/l
P16	05/01/06	35	CHLOROFORM	1100	ug/l
P16	05/02/06	45	CHLOROFORM	1900	ug/l
P16	05/02/06	45	CHLOROFORM	2000	ug/l
P16	05/02/06	50	CHLOROFORM	4900	ug/l
P17	04/20/06	10	CARBON TETRACHLORIDE	1.4	ug/l
P17	04/20/06	10	CARBON TETRACHLORIDE	2.0	ug/l
P17	04/20/06	10	CHLOROFORM	68	ug/l
P17	04/20/06	10	CHLOROFORM	96	ug/l
P17	04/20/06	15	CARBON TETRACHLORIDE	2.7	ug/l
P17	04/20/06	15	CHLOROFORM	72	ug/l
P17	05/02/06	21	CHLOROFORM	220	ug/l
P17	05/02/06	25	CHLOROFORM	290	ug/l
P17	05/04/06	38	CHLOROFORM	170	ug/l
P17	05/04/06	38	CHLOROFORM	180	ug/l
P17	05/04/06	46	CHLOROFORM	110	ug/l
P18	04/24/06	10	CHLOROFORM	5.8	ug/l
P18	04/24/06	20	CHLOROFORM	3.8	ug/l
P18	04/24/06	40	CHLOROFORM	5.4	ug/l
P19	05/04/06	10	BROMODICHLOROMETHANE	2.8	ug/l
P19	05/04/06	10	CARBON TETRACHLORIDE	280	ug/l
P19	05/04/06	10	CHLOROFORM	610	ug/l
P19	05/04/06	20	CARBON TETRACHLORIDE	180	ug/l
P19	05/04/06	20	CHLOROFORM	1200	ug/l
P19	05/05/06	40	CARBON TETRACHLORIDE	40	ug/l
P19	05/05/06	40	CHLOROFORM	730	ug/l
P20	05/04/06	10	CARBON TETRACHLORIDE	1.0	ug/l
P20	05/04/06	10	CHLOROFORM	11	ug/l
P20	05/04/06	10	CHLOROMETHANE	1.8	ug/l
P20	05/04/06	25	BROMODICHLOROMETHANE	1.7	ug/l
P20	05/04/06	25	CARBON TETRACHLORIDE	84	ug/l

Table 2-7
Summary of Volatile Organic Compound Detections in Soil Vapor
2006 Soil Vapor Study Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Location ID	Sample Date	Depth	Parameter	Result	Units
P20	05/04/06	25	CHLOROFORM	550	ug/l
P20	05/05/06	40	CHLOROFORM	510	ug/l
P20	05/05/06	40	CHLOROFORM	520	ug/l
P21	04/24/06	20	CHLOROFORM	4.7	ug/l
P21	04/24/06	40	CHLOROFORM	13	ug/l
P22	05/03/06	10	CARBON TETRACHLORIDE	110	ug/l
P22	05/03/06	10	CHLOROFORM	150	ug/l
P22	05/03/06	20	CARBON TETRACHLORIDE	120	ug/l
P22	05/03/06	20	CARBON TETRACHLORIDE	140	ug/l
P22	05/03/06	20	CHLOROFORM	110	ug/l
P22	05/03/06	20	CHLOROFORM	120	ug/l
P22	05/03/06	42	CARBON TETRACHLORIDE	9.8	ug/l
P22	05/03/06	42	CHLOROFORM	19	ug/l
P23	05/05/06	10	CARBON TETRACHLORIDE	1.3	ug/l
P23	05/05/06	10	CHLOROFORM	9.5	ug/l
P23	05/05/06	20	CARBON TETRACHLORIDE	1.6	ug/l
P23	05/05/06	20	CHLOROFORM	14	ug/l
P23	05/05/06	42	CARBON TETRACHLORIDE	6.8	ug/l
P23	05/05/06	42	CHLOROFORM	46	ug/l
P24	04/26/06	10	ACETONE	5.4	ug/l
P24	04/26/06	10	CARBON TETRACHLORIDE	1.8	ug/l
P24	04/26/06	10	CHLOROFORM	280	ug/l
P24	04/27/06	20	CARBON TETRACHLORIDE	1.4	ug/l
P24	04/27/06	20	CHLOROFORM	600	ug/l
P24	04/27/06	40	1,1-DICHLOROPROPENE	1.7	ug/l
P24	04/27/06	40	CARBON TETRACHLORIDE	3.4	ug/l
P24	04/27/06	40	CHLOROFORM	1900	ug/l
P25	04/25/06	10	1,1-DICHLOROPROPENE	5.4	ug/l
P25	04/25/06	10	BROMODICHLOROMETHANE	5.5	ug/l
P25	04/25/06	10	CARBON TETRACHLORIDE	7.1	ug/l
P25	04/25/06	10	CHLOROFORM	1500	ug/l
P25	04/25/06	20	1,1-DICHLOROPROPENE	4.4	ug/l
P25	04/25/06	20	ACETONE	12	ug/l
P25	04/25/06	20	BROMODICHLOROMETHANE	1.6	ug/l
P25	04/25/06	20	CARBON TETRACHLORIDE	6.3	ug/l
P25	04/25/06	20	CHLOROFORM	8400	ug/l
P25	04/25/06	20	METHYLENE CHLORIDE	3.3	ug/l
P25	04/26/06	25	1,1-DICHLOROPROPENE	2.4	ug/l
P25	04/26/06	25	CARBON TETRACHLORIDE	3.9	ug/l
P25	04/26/06	25	CHLOROFORM	2100	ug/l
P25	04/26/06	30	1,1-DICHLOROPROPENE	1.1	ug/l
P25	04/26/06	30	ACETONE	5.6	ug/l
P25	04/26/06	30	CARBON TETRACHLORIDE	2.2	ug/l
P25	04/26/06	30	CHLOROFORM	2700	ug/l
P25	04/26/06	35	1,1-DICHLOROPROPENE	1.5	ug/l
P25	04/26/06	35	ACETONE	5.4	ug/l
P25	04/26/06	35	CARBON TETRACHLORIDE	3.3	ug/l
P25	04/26/06	35	CHLOROFORM	3600	ug/l
P25	04/26/06	40	1,1-DICHLOROPROPENE	1.3	ug/l
P25	04/26/06	40	CARBON TETRACHLORIDE	2.8	ug/l
P25	04/26/06	40	CHLOROFORM	3000	ug/l
P25	04/27/06	45	1,1-DICHLOROPROPENE	2.2	ug/l
P25	04/27/06	45	ACETONE	5.4	ug/l
P25	04/27/06	45	BROMODICHLOROMETHANE	1.0	ug/l

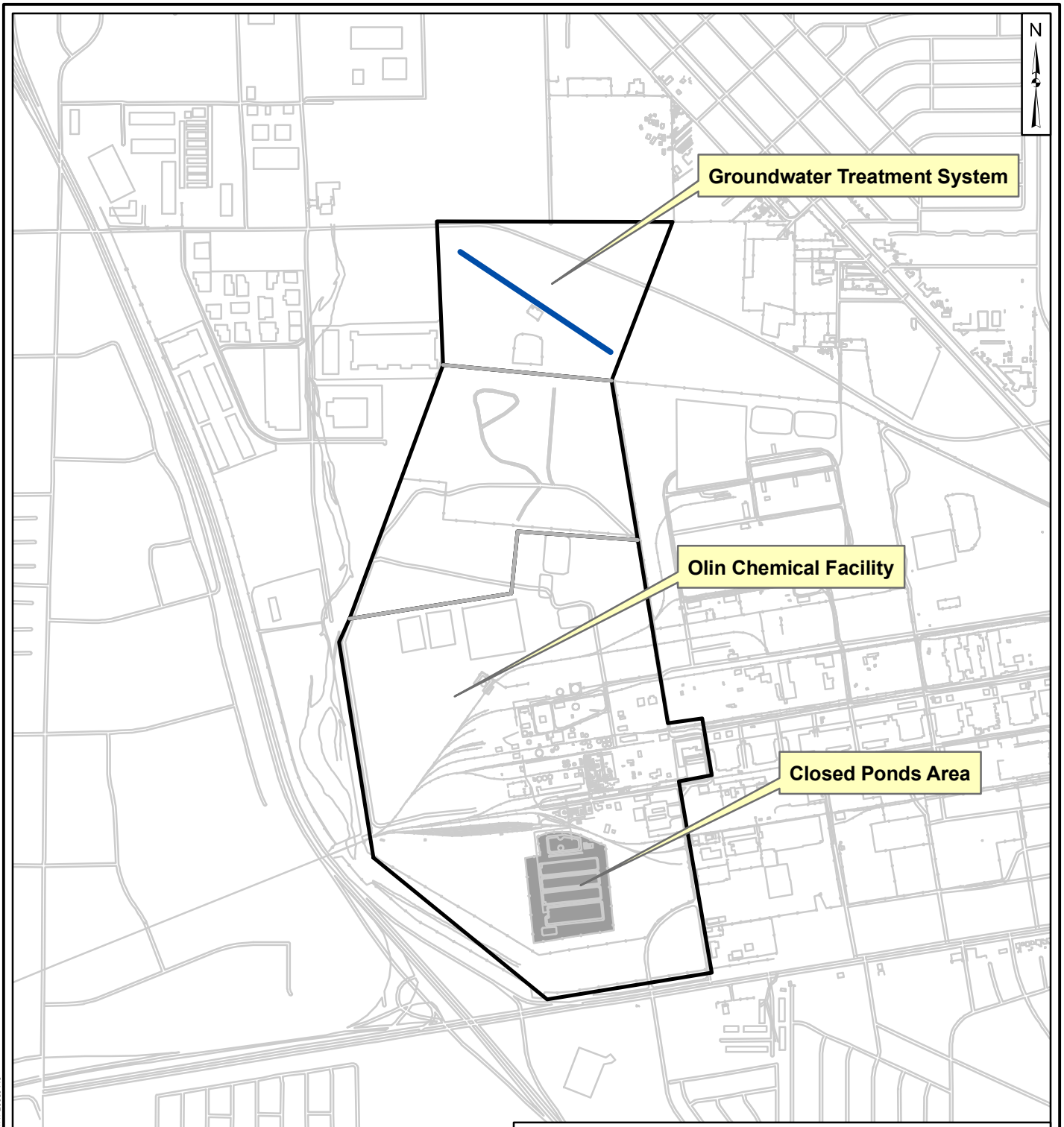
Table 2-7
Summary of Volatile Organic Compound Detections in Soil Vapor
2006 Soil Vapor Study Investigation
Former Montrose Closed Ponds Area, Henderson, Nevada

Location ID	Sample Date	Depth	Parameter	Result	Units
P25	04/27/06	45	CARBON TETRACHLORIDE	3.0	ug/l
P25	04/27/06	45	CHLOROFORM	1600	ug/l
P25	04/27/06	45	METHYLENE CHLORIDE	2.8	ug/l
P25	04/27/06	50	BROMODICHLOROMETHANE	1.2	ug/l
P25	04/27/06	50	CARBON TETRACHLORIDE	1.1	ug/l
P25	04/27/06	50	CHLOROFORM	1900	ug/l
P25	04/27/06	50	METHYLENE CHLORIDE	3.2	ug/l
P25	04/27/06	55	CHLOROFORM	1000	ug/l
P25	04/27/06	55	CHLOROFORM	690	ug/l
P25	04/27/06	55	METHYLENE CHLORIDE	1.2	ug/l
P25	04/27/06	55	METHYLENE CHLORIDE	1.4	ug/l
P26	04/25/06	10	ACETONE	7.3	ug/l
P26	04/25/06	10	CHLOROFORM	88	ug/l
P26	04/25/06	20	ACETONE	6.3	ug/l
P26	04/25/06	20	CHLOROFORM	60	ug/l
P26	04/26/06	40	CHLOROFORM	140	ug/l
P27	04/21/06	10	CHLOROFORM	2.0	ug/l
P27	04/21/06	20	CHLOROFORM	2.0	ug/l
S09	05/08/06	10	CARBON TETRACHLORIDE	1.3	ug/l
S09	05/08/06	10	CHLOROFORM	22	ug/l
S09	05/08/06	22	CARBON TETRACHLORIDE	1.8	ug/l
S09	05/08/06	22	CHLOROFORM	33	ug/l
S14	05/09/06	10	TOLUENE	8.5	ug/l
S14	05/09/06	22	TOLUENE	18	ug/l
S14	05/09/06	40	TOLUENE	10	ug/l
S14	05/09/06	40	TOLUENE	9.3	ug/l
S15	05/09/06	10	CHLOROFORM	1.3	ug/l
S15	05/09/06	10	TOLUENE	11	ug/l
S15	05/09/06	20	2-BUTANONE	2.9	ug/l
S15	05/09/06	20	TOLUENE	6.7	ug/l
S15	05/09/06	40	CARBON TETRACHLORIDE	1.0	ug/l
S15	05/09/06	40	CHLOROFORM	1.8	ug/l
S15	05/09/06	40	TOLUENE	7.4	ug/l
S16	05/10/06	10	CHLOROFORM	7.1	ug/l
S16	05/10/06	10	TOLUENE	1.2	ug/l
S16	05/10/06	20	CHLOROFORM	1.8	ug/l
S16	05/10/06	20	TOLUENE	1.4	ug/l
S16	05/10/06	40	CHLOROFORM	3.5	ug/l
S16	05/10/06	40	TOLUENE	6.0	ug/l
S17	05/10/06	10	TOLUENE	2.4	ug/l
S17	05/10/06	20	TOLUENE	3.3	ug/l
S17	05/10/06	40	TOLUENE	3.9	ug/l
S17	05/10/06	40	TOLUENE	4.6	ug/l

Table 2-8
Summary of Detected Groundwater Parameters
Closed Ponds Area Field Investigation - July 16, 2008
Henderson, Nevada

Parameter Group	Analyte	Units	AA-MW-20	AA-MW-21	AA-MW-22	AA-MW-23	AA-MW-23D	AA-MW-24
VOC	1,1-Dichloroethene	ug/l	ND	ND	ND	0.77	0.97	ND
	1,2-Dichlorobenzene	ug/l	920	1,100	ND	ND	ND	0.36
	1,4-Dichlorobenzene	ug/l	980	1,500	0.92	ND	ND	0.54
	Benzene	ug/l	94,000	68,000	18	ND	ND	11
	Carbon tetrachloride	ug/l	ND	330.00	ND	0.84	1.00	ND
	Chlorobenzene	ug/l	35,000	46,000	12	0.82J	0.65J	12
	Chloroform	ug/l	20,000	14,000	930	24	28.00	10
	Chloromethane	ug/l	ND	ND	ND	ND	ND	0.43
	Methylene chloride	ug/l	ND	500.00	ND	ND	ND	ND
	Trichloroethene	ug/l	ND	ND	ND	1.80	2.20	ND
METAL	Arsenic	ug/l	21	1.70	65	49	53	3
	Barium	ug/l	140	380	60	36	36	190
	Cadmium	ug/l	0.48	0.97	0.78	0.29	0.23	1.20
	Calcium	mg/l	410	560	110	120	130	73
	Chromium	ug/l	3.20	17	11	16	14	9.40
	Magnesium	mg/l	230	0.08	63	47	53	36.00
	Potassium	mg/l	34	39.00	13	11	12	14.00
	Selenium	ug/l	1.50	2.40	4.80	2.70	2.60	2.20
	Sodium	mg/l	740	590	350	230	250	250
PERCHLORATE	Perchlorate	ug/l	ND	240	21	92	140	8.30
PEST	alpha-BHC	ug/l	0.04	ND	ND	ND	ND	ND
	beta-BHC	ug/l	0.05	0.05	ND	ND	ND	ND
SVOC	1,2-Dichlorobenzene	ug/l	580	620	ND	ND	ND	ND
	1,3-Dichlorobenzene	ug/l	36	31	ND	ND	ND	ND
	1,4-Dichlorobenzene	ug/l	590	840	ND	ND	ND	ND
	2-Chlorophenol	ug/l	27	21	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	ug/l	ND	ND	ND	ND	10	ND
	Phenol	ug/l	330	50	ND	ND	ND	ND
GENCHEM	Alkalinity as CaCO3	mg/l	110	250	120	68	64	100
	Ammonia as Ammonium	mg/l	0.13	0.26	ND	ND	ND	0.14
	Bromide	mg/l	2.30	1.30	1.20	0.67	0.70	0.90
	Chloride	mg/l	1,700	1,300	390	170	170	270
	Fluoride	mg/l	0.36	0.29	1.00	0.79	0.80	1.00
	Nitrate-NO3	mg/l	ND	1.20	7.50	11.00	12.00	0.54
	Specific Conductance	umhos/cm @ 25C	6,400	5,900	2,500	2,000	2,000	2,000
	Sulfate	mg/l	1,200	840	690	770	800	470
	Total Dissolved Solids	mg/l	4,500	4,100	1,800	1,500	1,600	1,300

Figures

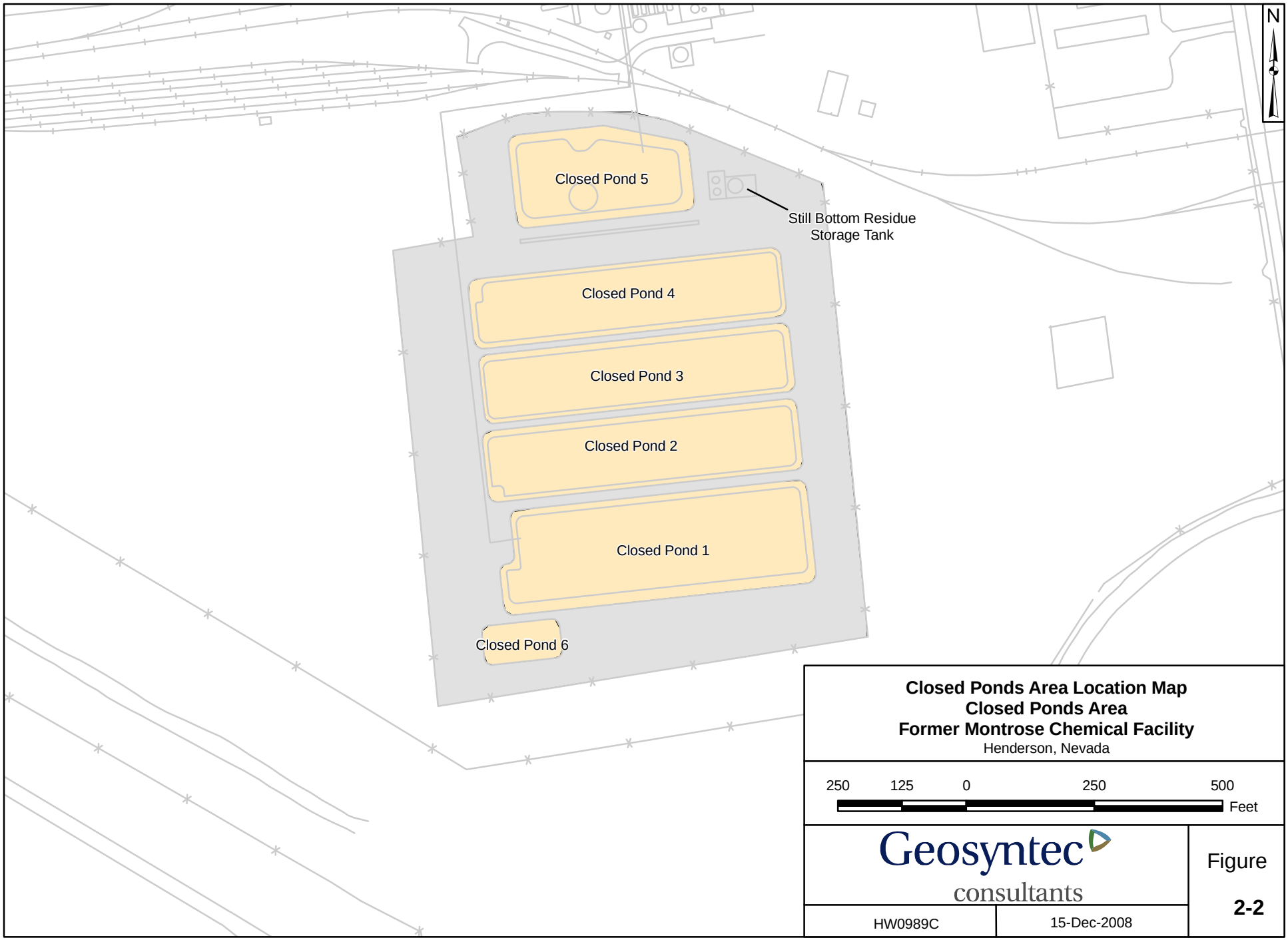


Site Location Map
Former Montrose Chemical Facility
Henderson, Nevada

1,500 750 0 1,500 Feet

Geosyntec consultants	HW0989C	Figure
	Revision:	2-1
Huntington Beach	24-Mar-2008	

g:\gis\hw0934\projects\closed ponds area\report\final\site location map.mxd gww 20080410



Closed Ponds Area Location Map
Closed Ponds Area
Former Montrose Chemical Facility
Henderson, Nevada

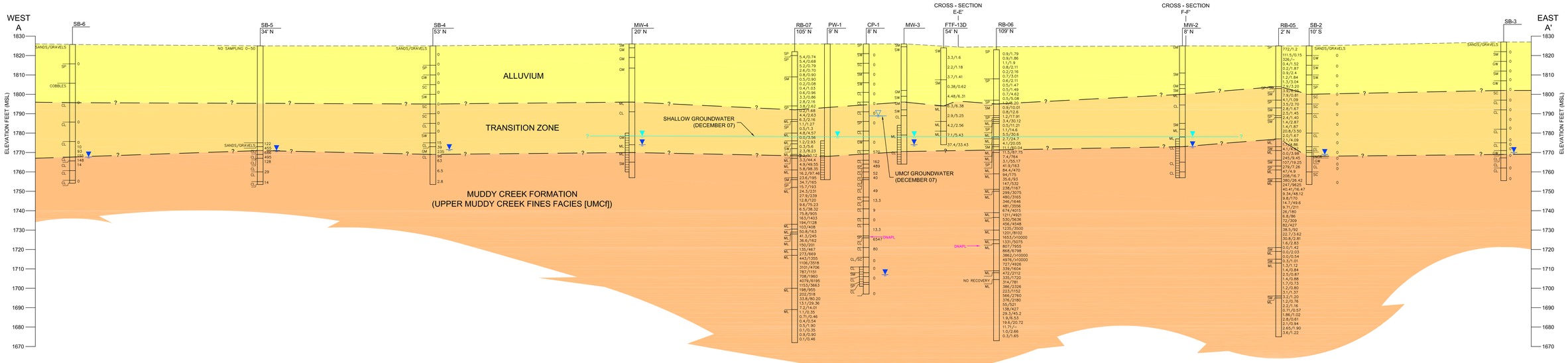
Geosyntec consultants

HW0989C

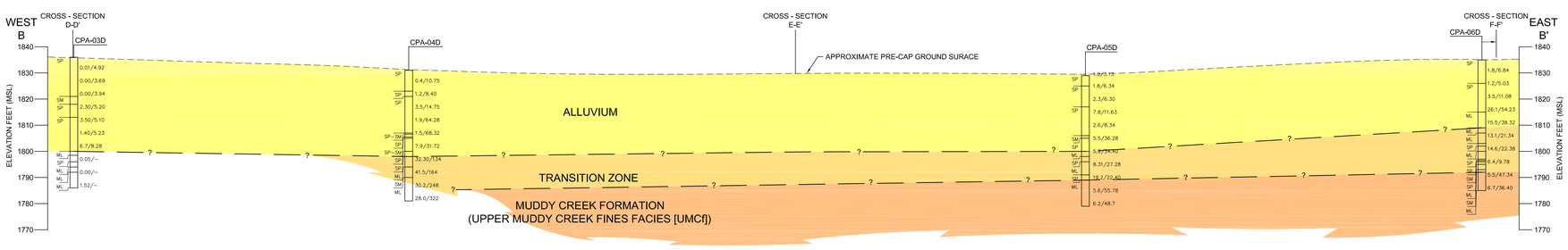
15-Dec-2008

Figure **2-2**

G:\GIS\HW0934\Projects\Closed Pond Area\CSM Soil Report\ClosedPonds.mxd



CROSS - SECTION A-A'



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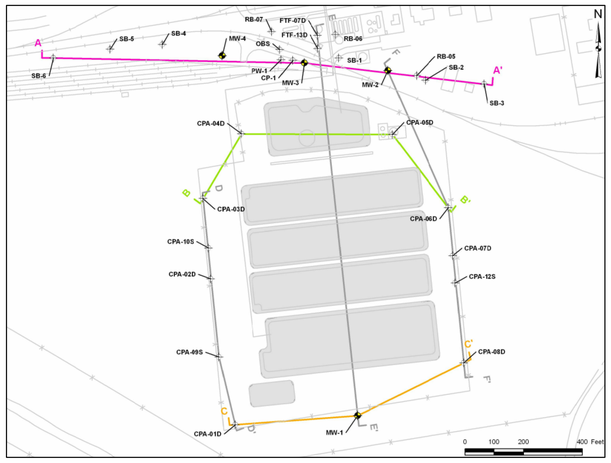
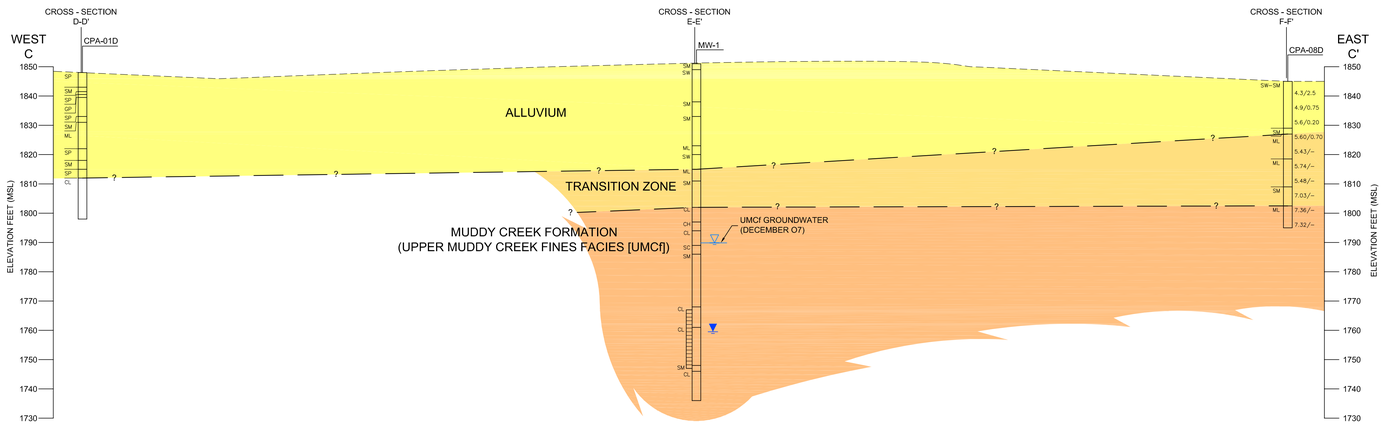
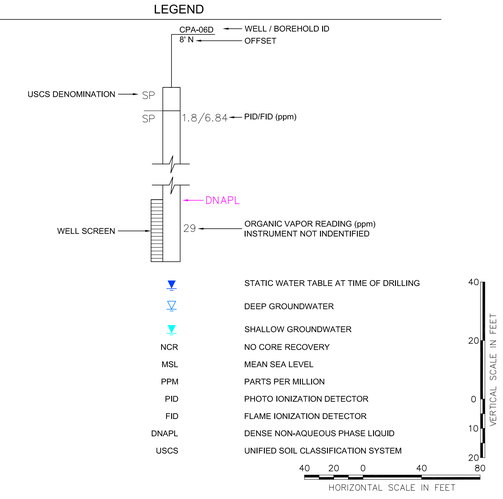


PLAN VIEW



CROSS - SECTION C-C'

LEGEND



NOTES:

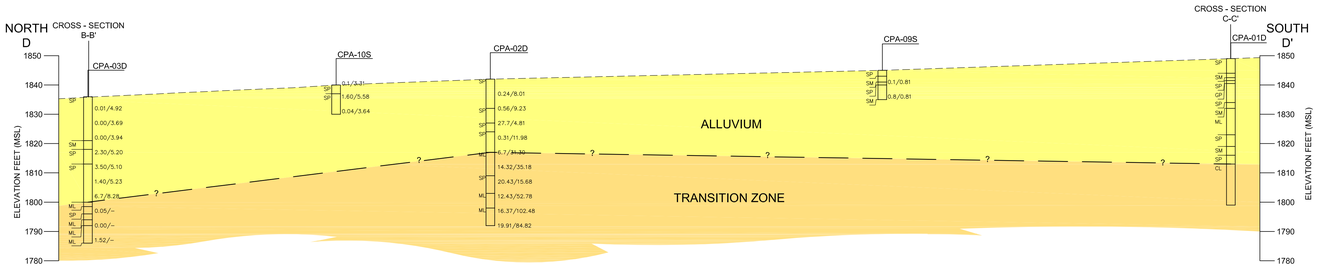
1. SUBSURACE CONDITIONS MAY VARY AWAY FROM BORING LOCATIONS AND WITH THE PASSAGE OF TIME.
2. CROSS - SECTIONS ARE 2X VERTICALLY EXAGGERRATED.

Geosyntec consultants

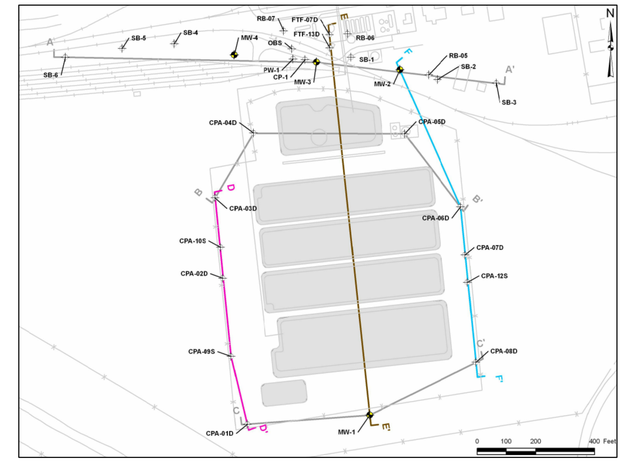
IDEALIZED CROSS-SECTIONS A-A' THROUGH C-C'
CLOSED PONDS CONCEPTUAL SITE MODEL
FORMER MONTROSE CHEMICAL FACILITY

DATE:	JANUARY 2009	FILE NO.	0989W006
PROJECT NO.	HW0989C	FIGURE NO.	2-3

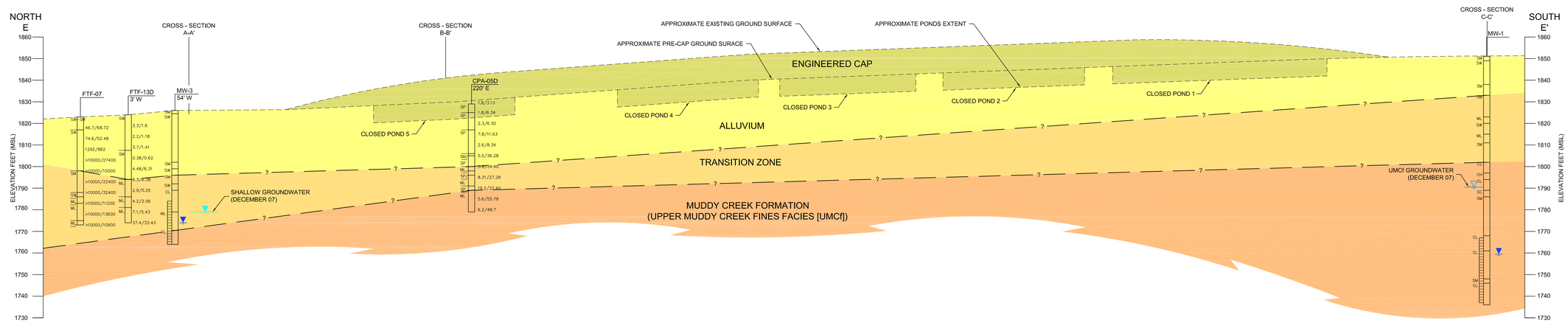
N:\CACADD\HW0989\WORKING\0989W006.dwg 1/15/09 16:27 SBerry



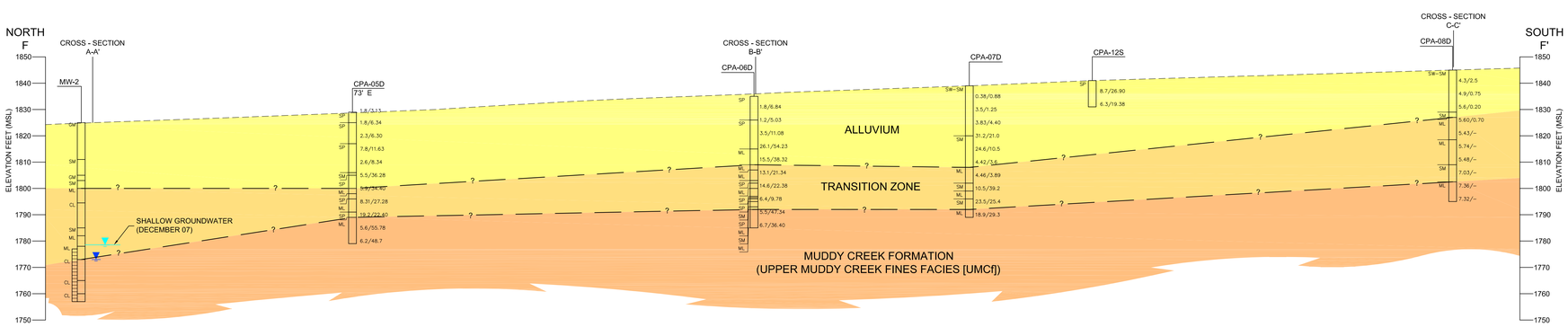
CROSS - SECTION D-D'



PLAN VIEW

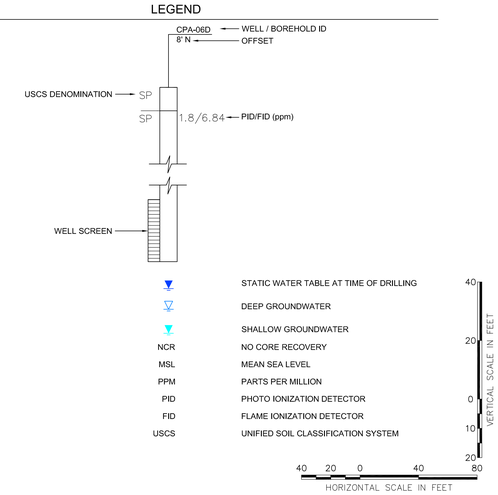


CROSS - SECTION E-E'



CROSS - SECTION F-F'

LEGEND



NOTES:

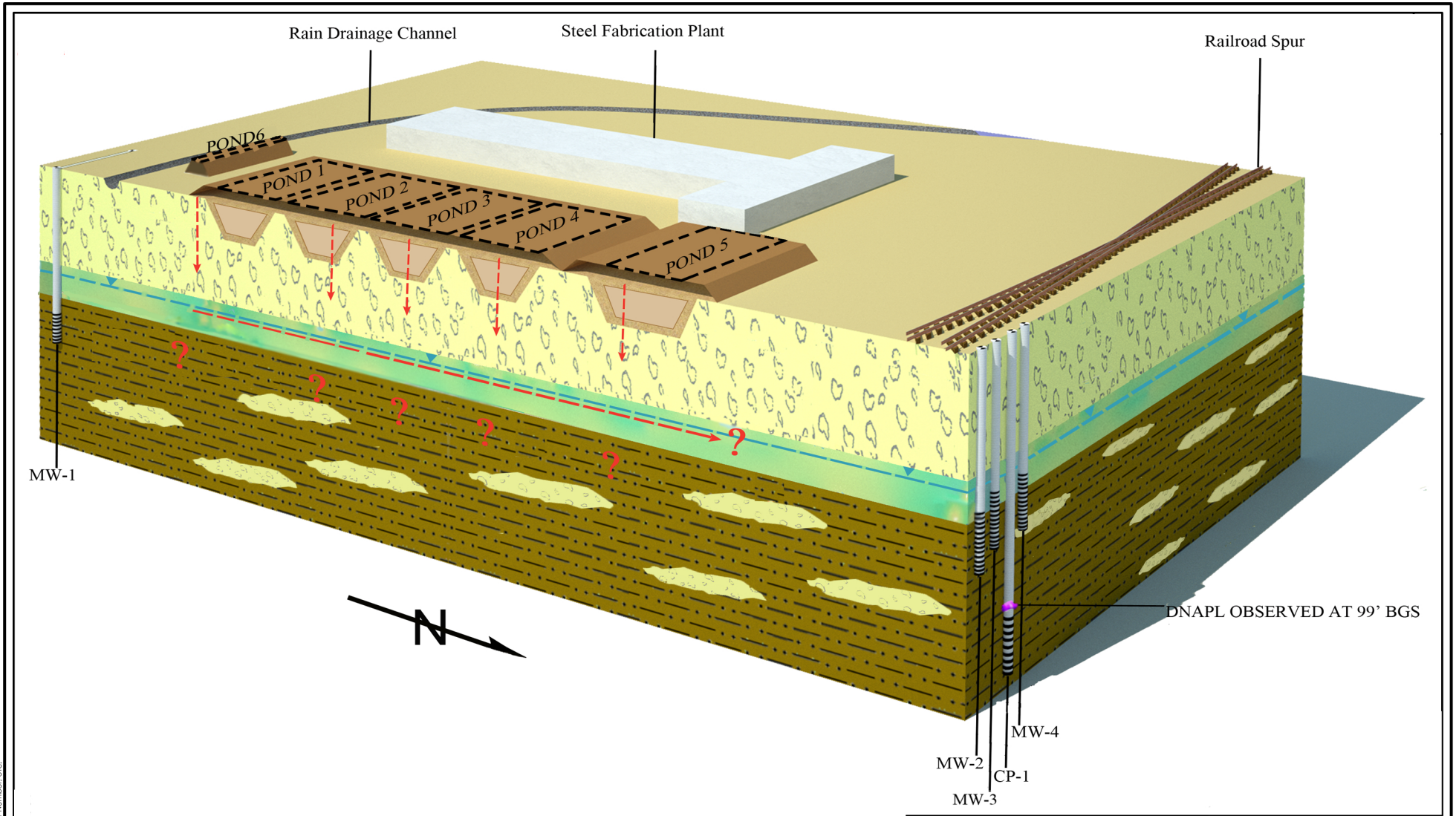
1. SUBSURACE CONDITIONS MAY VARY AWAY FROM BORING LOCATIONS AND WITH THE PASSAGE OF TIME.
2. CROSS - SECTIONS ARE 2X VERTICALLY EXAGGERRATED.

Geosyntec consultants

IDEALIZED CROSS-SECTIONS D-D' THROUGH F-F'
CLOSED PONDS AREA CONCEPTUAL SITE MODEL
FORMER MONTROSE CHEMICAL FACILITY

DATE:	JANUARY 2009	FILE NO.	0989W006
PROJECT NO.	HW0989C	FIGURE NO.	2-4

N:\CAD\ASD\HW0989\WORKING\0989W006.dwg 1/15/09 16:30 Steady



Legend

- Inferred Contaminant Transport Direction
- Alluvium
- Silty Sand / Clayey Sand Transition Zone
- Upper Muddy Creek Formation

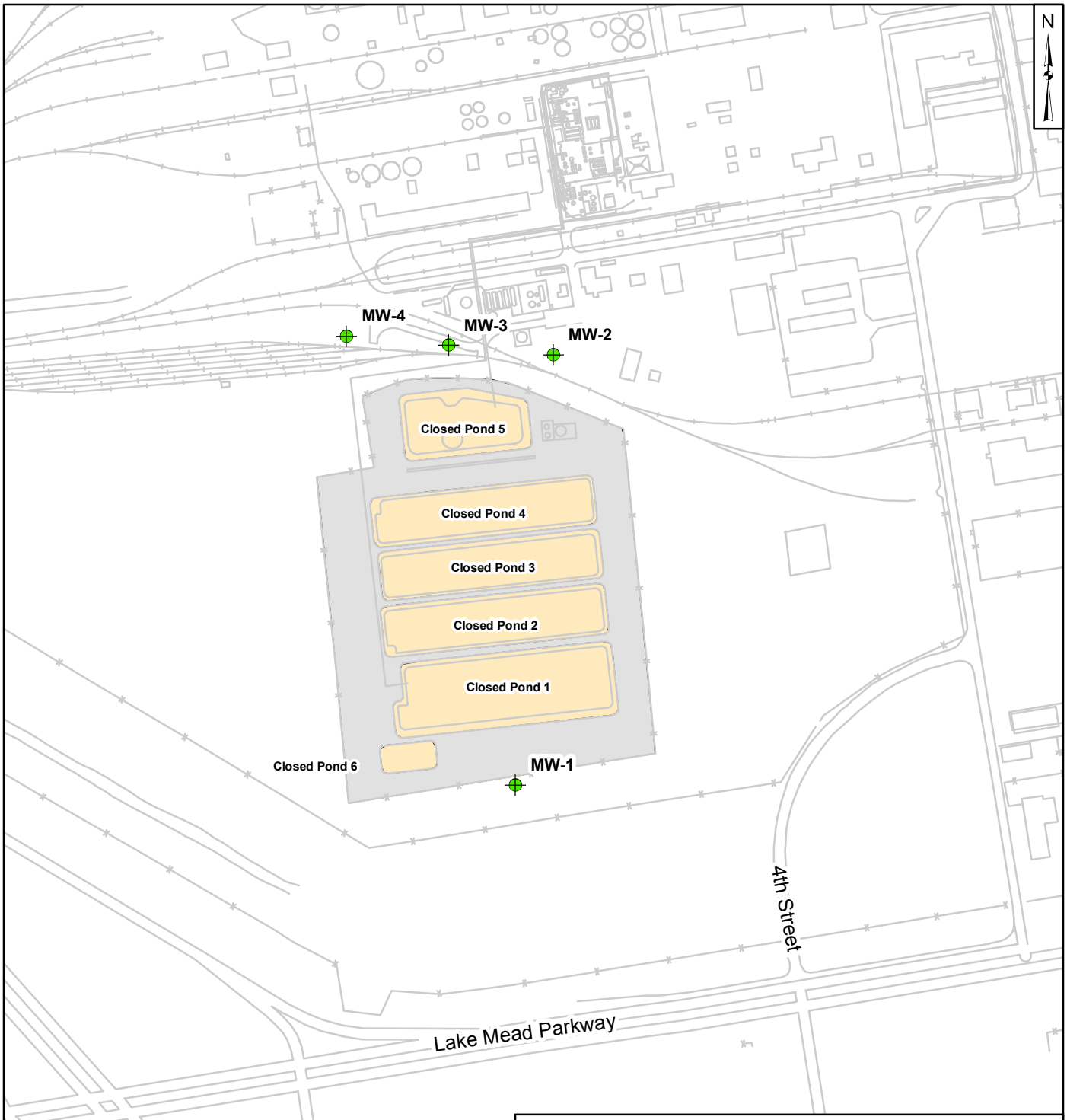
DNAPL - Dense Non-Aqueous Phase Liquid

Conceptual Site Model Block-Diagram for the Closed Ponds Area

Former Montrose Chemical Facility
Henderson, Nevada

Geosyntec consultants	HW0989C	Figure 2-5
Office Location	16-JAN-2009	

Path: author: dd-mmm-yyyy: ProlNum-Task-Phase: Document Number: etc.



CPA Compliance Monitor Well Location Map
Former Montrose Chemical Facility

Henderson, Nevada

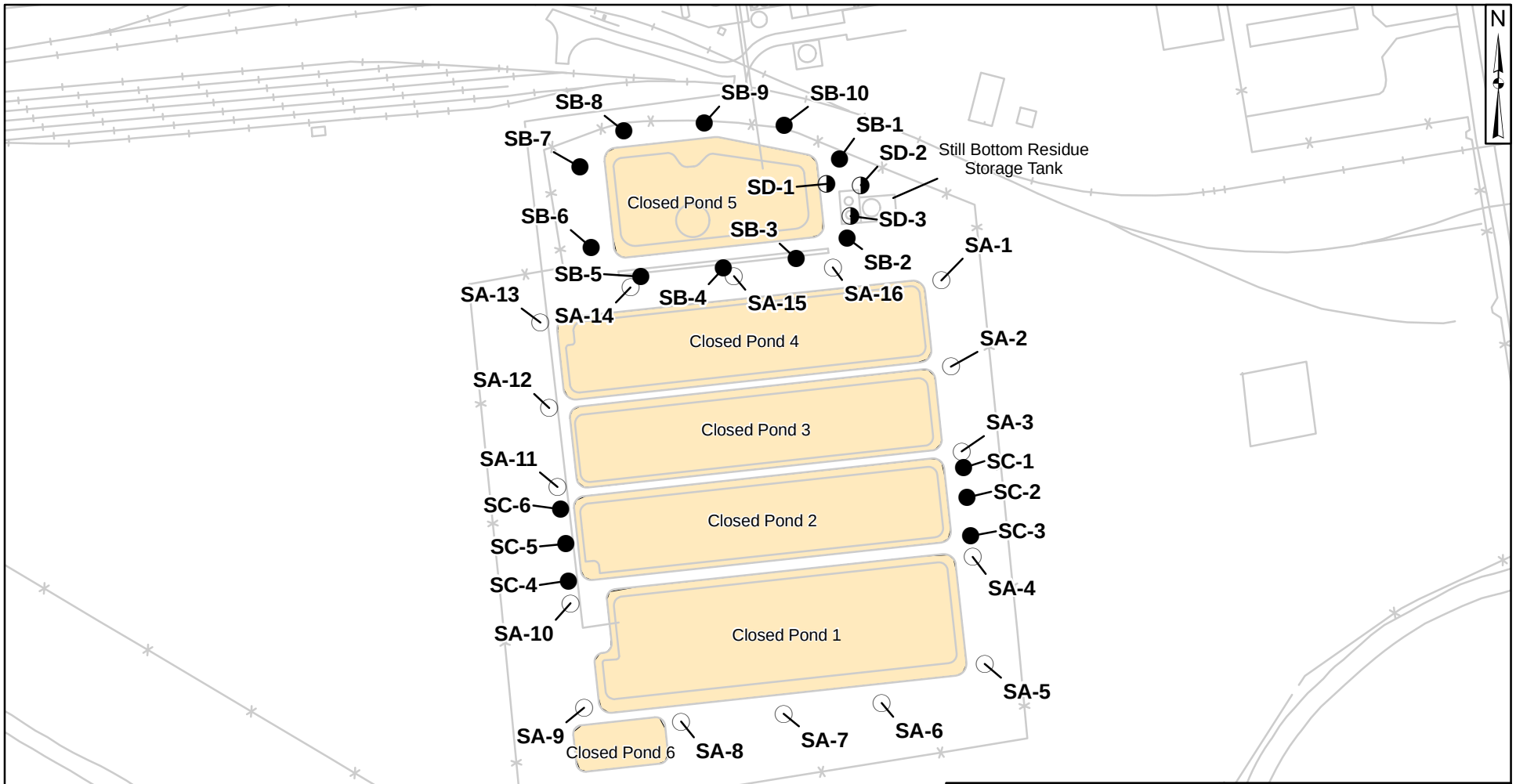
400 200 0 400 800 Feet

Legend

Compliance Monitor Well

Geosyntec consultants	HW0989C	Figure
	Revision:	**2-6**
Huntington Beach	09-September-2008	

G:\GIS\HW0934\Projects\Closed Pond Area\CPA Monitor Well Location Map.mxd GWW 20080909



Legend

- ● Approximate location of soil samples analyzed for full schedule
- ○ Approximate location of soil samples analyzed for pH
- ◑ Approximate location of soil samples analyzed for PCBs

1988 Soil Investigation Sample Location Map
Closed Ponds Area
Former Montrose Chemical Facility
Henderson, Nevada

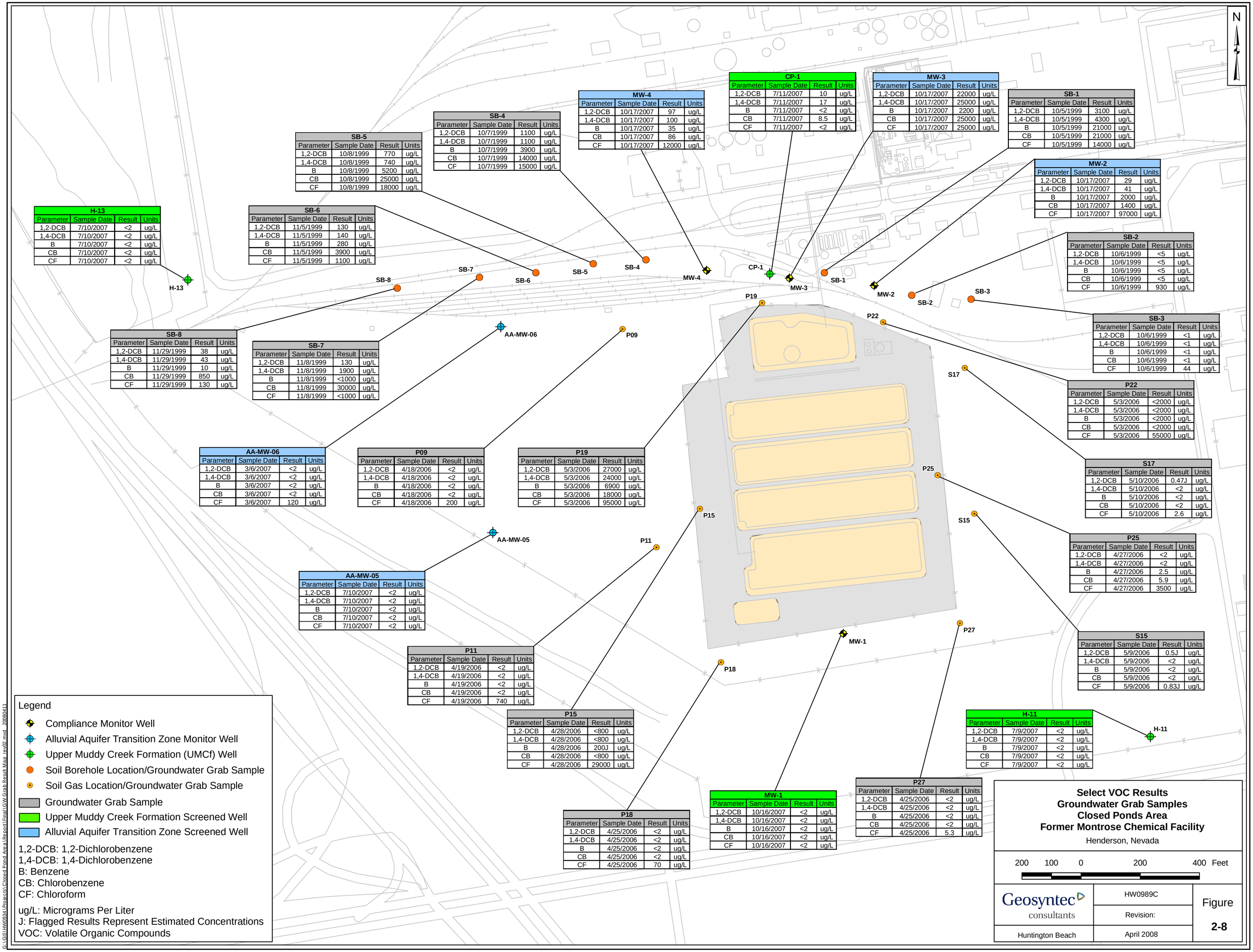
250 125 0 250 500 Feet

Geosyntec consultants

HW0989C | 16-Dec-2008

Figure **2-7**

G:\GIS\HW0934\Projects\Closed Pond Area\CSM Soil Report\SlSmpLoc_Asize.mxd



H-13			
Parameter	Sample Date	Result	Units
1,2-DCB	7/10/2007	<2	ug/L
1,4-DCB	7/10/2007	<2	ug/L
B	7/10/2007	<2	ug/L
CB	7/10/2007	<2	ug/L
CF	7/10/2007	<2	ug/L

SB-6			
Parameter	Sample Date	Result	Units
1,2-DCB	11/5/1999	130	ug/L
1,4-DCB	11/5/1999	140	ug/L
B	11/5/1999	280	ug/L
CB	11/5/1999	3900	ug/L
CF	11/5/1999	1100	ug/L

SB-5			
Parameter	Sample Date	Result	Units
1,2-DCB	10/8/1999	770	ug/L
1,4-DCB	10/8/1999	740	ug/L
B	10/8/1999	5200	ug/L
CB	10/8/1999	25000	ug/L
CF	10/8/1999	18000	ug/L

SB-4			
Parameter	Sample Date	Result	Units
1,2-DCB	10/7/1999	1100	ug/L
1,4-DCB	10/7/1999	1100	ug/L
B	10/7/1999	3900	ug/L
CB	10/7/1999	14000	ug/L
CF	10/7/1999	15000	ug/L

MW-4			
Parameter	Sample Date	Result	Units
1,2-DCB	10/17/2007	97	ug/L
1,4-DCB	10/17/2007	100	ug/L
B	10/17/2007	35	ug/L
CB	10/17/2007	86	ug/L
CF	10/17/2007	12000	ug/L

CP-1			
Parameter	Sample Date	Result	Units
1,2-DCB	7/11/2007	10	ug/L
1,4-DCB	7/11/2007	17	ug/L
B	7/11/2007	<2	ug/L
CB	7/11/2007	8.5	ug/L
CF	7/11/2007	<2	ug/L

MW-3			
Parameter	Sample Date	Result	Units
1,2-DCB	10/17/2007	22000	ug/L
1,4-DCB	10/17/2007	25000	ug/L
B	10/17/2007	2200	ug/L
CB	10/17/2007	25000	ug/L
CF	10/17/2007	25000	ug/L

SB-1			
Parameter	Sample Date	Result	Units
1,2-DCB	10/5/1999	3100	ug/L
1,4-DCB	10/5/1999	4300	ug/L
B	10/5/1999	21000	ug/L
CB	10/5/1999	21000	ug/L
CF	10/5/1999	14000	ug/L

MW-2			
Parameter	Sample Date	Result	Units
1,2-DCB	10/17/2007	29	ug/L
1,4-DCB	10/17/2007	41	ug/L
B	10/17/2007	2000	ug/L
CB	10/17/2007	1400	ug/L
CF	10/17/2007	97000	ug/L

SB-2			
Parameter	Sample Date	Result	Units
1,2-DCB	10/6/1999	<5	ug/L
1,4-DCB	10/6/1999	<5	ug/L
B	10/6/1999	<5	ug/L
CB	10/6/1999	<5	ug/L
CF	10/6/1999	930	ug/L

SB-3			
Parameter	Sample Date	Result	Units
1,2-DCB	10/6/1999	<1	ug/L
1,4-DCB	10/6/1999	<1	ug/L
B	10/6/1999	<1	ug/L
CB	10/6/1999	<1	ug/L
CF	10/6/1999	44	ug/L

SB-8			
Parameter	Sample Date	Result	Units
1,2-DCB	11/29/1999	38	ug/L
1,4-DCB	11/29/1999	43	ug/L
B	11/29/1999	10	ug/L
CB	11/29/1999	850	ug/L
CF	11/29/1999	130	ug/L

SB-7			
Parameter	Sample Date	Result	Units
1,2-DCB	11/8/1999	130	ug/L
1,4-DCB	11/8/1999	1900	ug/L
B	11/8/1999	<1000	ug/L
CB	11/8/1999	30000	ug/L
CF	11/8/1999	<1000	ug/L

AA-MW-06			
Parameter	Sample Date	Result	Units
1,2-DCB	3/6/2007	<2	ug/L
1,4-DCB	3/6/2007	<2	ug/L
B	3/6/2007	<2	ug/L
CB	3/6/2007	<2	ug/L
CF	3/6/2007	120	ug/L

P09			
Parameter	Sample Date	Result	Units
1,2-DCB	4/18/2006	<2	ug/L
1,4-DCB	4/18/2006	<2	ug/L
B	4/18/2006	<2	ug/L
CB	4/18/2006	<2	ug/L
CF	4/18/2006	200	ug/L

P19			
Parameter	Sample Date	Result	Units
1,2-DCB	5/3/2006	27000	ug/L
1,4-DCB	5/3/2006	24000	ug/L
B	5/3/2006	6900	ug/L
CB	5/3/2006	18000	ug/L
CF	5/3/2006	95000	ug/L

P22			
Parameter	Sample Date	Result	Units
1,2-DCB	5/3/2006	<2000	ug/L
1,4-DCB	5/3/2006	<2000	ug/L
B	5/3/2006	<2000	ug/L
CB	5/3/2006	<2000	ug/L
CF	5/3/2006	55000	ug/L

S17			
Parameter	Sample Date	Result	Units
1,2-DCB	5/10/2006	0.47J	ug/L
1,4-DCB	5/10/2006	<2	ug/L
B	5/10/2006	<2	ug/L
CB	5/10/2006	<2	ug/L
CF	5/10/2006	2.6	ug/L

P25			
Parameter	Sample Date	Result	Units
1,2-DCB	4/27/2006	<2	ug/L
1,4-DCB	4/27/2006	<2	ug/L
B	4/27/2006	2.5	ug/L
CB	4/27/2006	5.9	ug/L
CF	4/27/2006	3500	ug/L

S15			
Parameter	Sample Date	Result	Units
1,2-DCB	5/9/2006	0.5J	ug/L
1,4-DCB	5/9/2006	<2	ug/L
B	5/9/2006	<2	ug/L
CB	5/9/2006	<2	ug/L
CF	5/9/2006	0.83J	ug/L

AA-MW-05			
Parameter	Sample Date	Result	Units
1,2-DCB	7/10/2007	<2	ug/L
1,4-DCB	7/10/2007	<2	ug/L
B	7/10/2007	<2	ug/L
CB	7/10/2007	<2	ug/L
CF	7/10/2007	<2	ug/L

P11			
Parameter	Sample Date	Result	Units
1,2-DCB	4/19/2006	<2	ug/L
1,4-DCB	4/19/2006	<2	ug/L
B	4/19/2006	<2	ug/L
CB	4/19/2006	<2	ug/L
CF	4/19/2006	740	ug/L

P15			
Parameter	Sample Date	Result	Units
1,2-DCB	4/28/2006	<800	ug/L
1,4-DCB	4/28/2006	<800	ug/L
B	4/28/2006	200J	ug/L
CB	4/28/2006	<800	ug/L
CF	4/28/2006	29000	ug/L

P18			
Parameter	Sample Date	Result	Units
1,2-DCB	4/25/2006	<2	ug/L
1,4-DCB	4/25/2006	<2	ug/L
B	4/25/2006	<2	ug/L
CB	4/25/2006	<2	ug/L
CF	4/25/2006	70	ug/L

MW-1			
Parameter	Sample Date	Result	Units
1,2-DCB	10/16/2007	<2	ug/L
1,4-DCB	10/16/2007	<2	ug/L
B	10/16/2007	<2	ug/L
CB	10/16/2007	<2	ug/L
CF	10/16/2007	<2	ug/L

P27			
Parameter	Sample Date	Result	Units
1,2-DCB	4/25/2006	<2	ug/L
1,4-DCB	4/25/2006	<2	ug/L
B	4/25/2006	<2	ug/L
CB	4/25/2006	<2	ug/L
CF	4/25/2006	5.3	ug/L

H-11			
Parameter	Sample Date	Result	Units
1,2-DCB	7/9/2007	<2	ug/L
1,4-DCB	7/9/2007	<2	ug/L
B	7/9/2007	<2	ug/L
CB	7/9/2007	<2	ug/L
CF	7/9/2007	<2	ug/L

Legend

- Compliance Monitor Well
- Alluvial Aquifer Transition Zone Monitor Well
- Upper Muddy Creek Formation (UMCf) Well
- Soil Borehole Location/Groundwater Grab Sample
- Soil Gas Location/Groundwater Grab Sample
- Groundwater Grab Sample
- Upper Muddy Creek Formation Screened Well
- Alluvial Aquifer Transition Zone Screened Well

1,2-DCB: 1,2-Dichlorobenzene
1,4-DCB: 1,4-Dichlorobenzene
B: Benzene
CB: Chlorobenzene
CF: Chloroform

ug/L: Micrograms Per Liter
J: Flagged Results Represent Estimated Concentrations
VOC: Volatile Organic Compounds

Select VOC Results
Groundwater Grab Samples
Closed Ponds Area
Former Montrose Chemical Facility
Henderson, Nevada

200 100 0 200 400 Feet

Geosyntec consultants

HW0989C

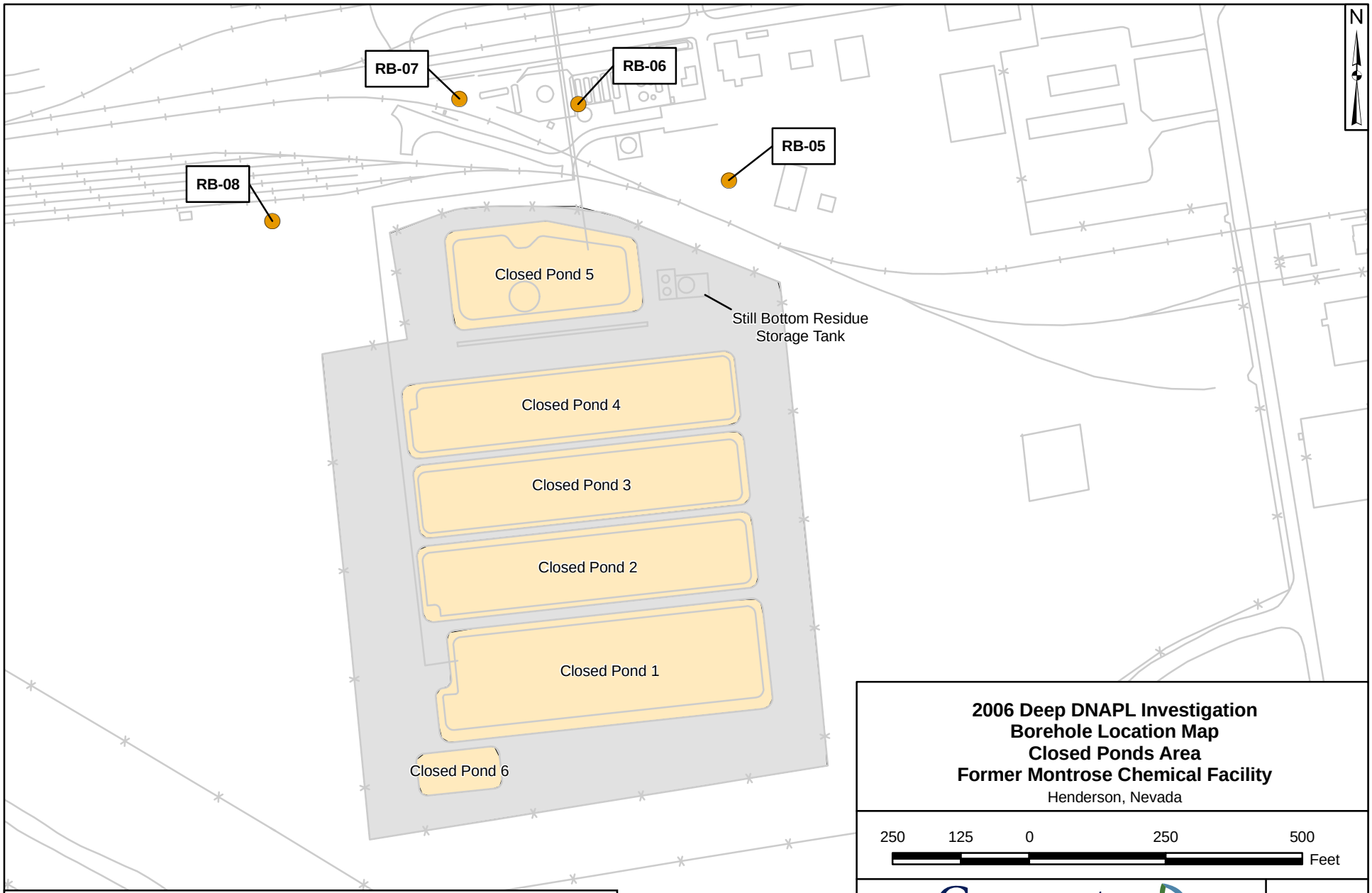
Revision:

Huntington Beach

April 2008

Figure **2-8**

G:\GIS\HW0934\Projects\Closed Pond Area\Report\Final\GW Grab Result Map_rev02.mxd 20080411



2006 Deep DNAPL Investigation
Borehole Location Map
Closed Ponds Area
Former Montrose Chemical Facility
Henderson, Nevada

250 125 0 250 500 Feet

Geosyntec consultants

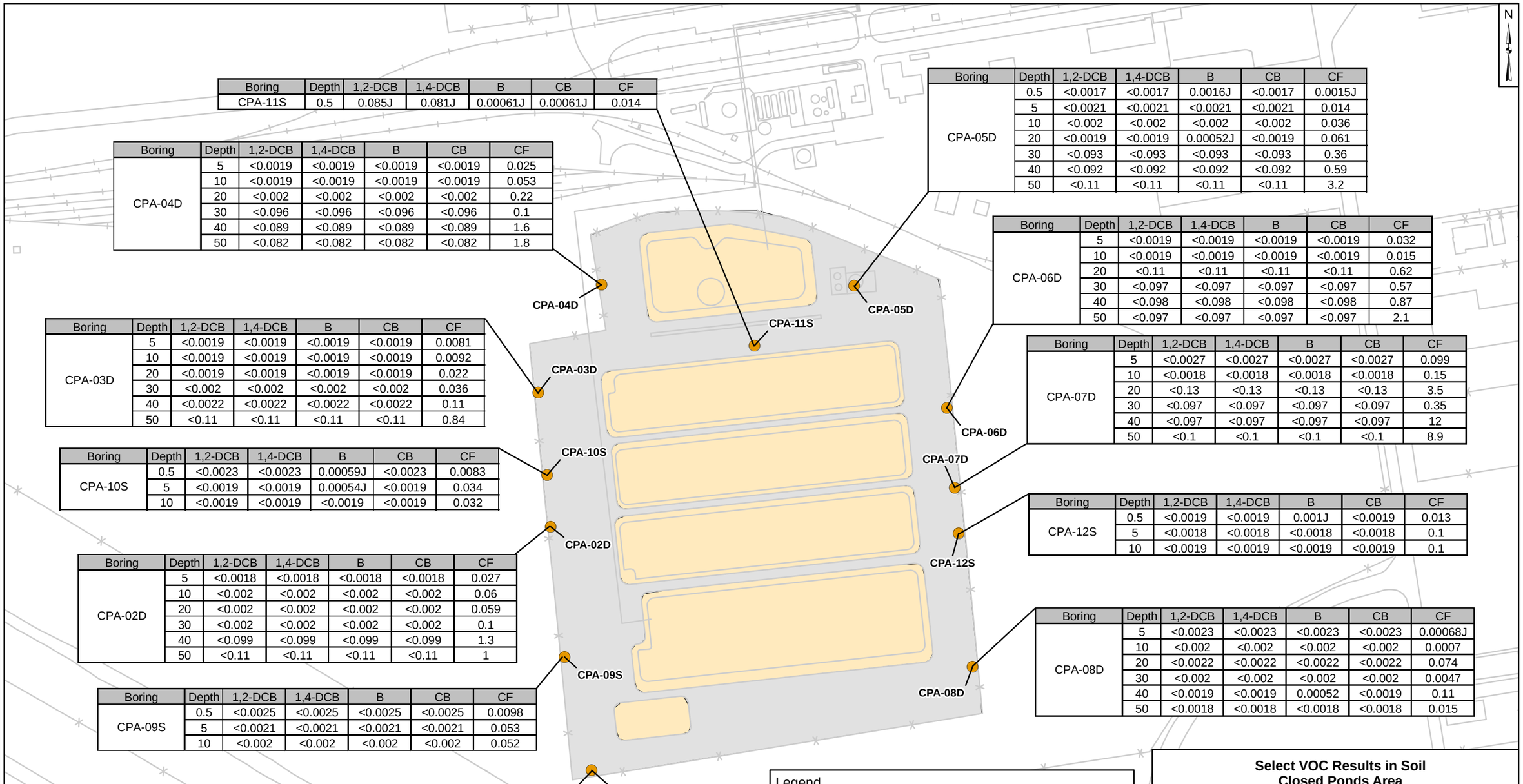
Figure **2-9**

HW0989C | 16-Dec-2008

Legend

Deep DNAPL Investigation Borehole Location (Hargis, 2006)

G:\GIS\HW0934\Projects\Closed Pond Area\CSM Soil Report\DeepDNAPLHargis06_Asize.mxd



Boring	Depth	1,2-DCB	1,4-DCB	B	CB	CF
CPA-11S	0.5	0.085J	0.081J	0.00061J	0.00061J	0.014

Boring	Depth	1,2-DCB	1,4-DCB	B	CB	CF
CPA-04D	5	<0.0019	<0.0019	<0.0019	<0.0019	0.025
	10	<0.0019	<0.0019	<0.0019	<0.0019	0.053
	20	<0.002	<0.002	<0.002	<0.002	0.22
	30	<0.096	<0.096	<0.096	<0.096	0.1
	40	<0.089	<0.089	<0.089	<0.089	1.6
	50	<0.082	<0.082	<0.082	<0.082	1.8

Boring	Depth	1,2-DCB	1,4-DCB	B	CB	CF
CPA-05D	0.5	<0.0017	<0.0017	0.0016J	<0.0017	0.0015J
	5	<0.0021	<0.0021	<0.0021	<0.0021	0.014
	10	<0.002	<0.002	<0.002	<0.002	0.036
	20	<0.0019	<0.0019	0.00052J	<0.0019	0.061
	30	<0.093	<0.093	<0.093	<0.093	0.36
	40	<0.092	<0.092	<0.092	<0.092	0.59
	50	<0.11	<0.11	<0.11	<0.11	3.2

Boring	Depth	1,2-DCB	1,4-DCB	B	CB	CF
CPA-06D	5	<0.0019	<0.0019	<0.0019	<0.0019	0.032
	10	<0.0019	<0.0019	<0.0019	<0.0019	0.015
	20	<0.11	<0.11	<0.11	<0.11	0.62
	30	<0.097	<0.097	<0.097	<0.097	0.57
	40	<0.098	<0.098	<0.098	<0.098	0.87
	50	<0.097	<0.097	<0.097	<0.097	2.1

Boring	Depth	1,2-DCB	1,4-DCB	B	CB	CF
CPA-03D	5	<0.0019	<0.0019	<0.0019	<0.0019	0.0081
	10	<0.0019	<0.0019	<0.0019	<0.0019	0.0092
	20	<0.0019	<0.0019	<0.0019	<0.0019	0.022
	30	<0.002	<0.002	<0.002	<0.002	0.036
	40	<0.0022	<0.0022	<0.0022	<0.0022	0.11
	50	<0.11	<0.11	<0.11	<0.11	0.84

Boring	Depth	1,2-DCB	1,4-DCB	B	CB	CF
CPA-07D	5	<0.0027	<0.0027	<0.0027	<0.0027	0.099
	10	<0.0018	<0.0018	<0.0018	<0.0018	0.15
	20	<0.13	<0.13	<0.13	<0.13	3.5
	30	<0.097	<0.097	<0.097	<0.097	0.35
	40	<0.097	<0.097	<0.097	<0.097	12
	50	<0.1	<0.1	<0.1	<0.1	8.9

Boring	Depth	1,2-DCB	1,4-DCB	B	CB	CF
CPA-10S	0.5	<0.0023	<0.0023	0.00059J	<0.0023	0.0083
	5	<0.0019	<0.0019	0.00054J	<0.0019	0.034
	10	<0.0019	<0.0019	<0.0019	<0.0019	0.032

Boring	Depth	1,2-DCB	1,4-DCB	B	CB	CF
CPA-12S	0.5	<0.0019	<0.0019	0.001J	<0.0019	0.013
	5	<0.0018	<0.0018	<0.0018	<0.0018	0.1
	10	<0.0019	<0.0019	<0.0019	<0.0019	0.1

Boring	Depth	1,2-DCB	1,4-DCB	B	CB	CF
CPA-02D	5	<0.0018	<0.0018	<0.0018	<0.0018	0.027
	10	<0.002	<0.002	<0.002	<0.002	0.06
	20	<0.002	<0.002	<0.002	<0.002	0.059
	30	<0.002	<0.002	<0.002	<0.002	0.1
	40	<0.099	<0.099	<0.099	<0.099	1.3
	50	<0.11	<0.11	<0.11	<0.11	1

Boring	Depth	1,2-DCB	1,4-DCB	B	CB	CF
CPA-08D	5	<0.0023	<0.0023	<0.0023	<0.0023	0.00068J
	10	<0.002	<0.002	<0.002	<0.002	0.0007
	20	<0.0022	<0.0022	<0.0022	<0.0022	0.074
	30	<0.002	<0.002	<0.002	<0.002	0.0047
	40	<0.0019	<0.0019	0.00052	<0.0019	0.11
	50	<0.0018	<0.0018	<0.0018	<0.0018	0.015

Boring	Depth	1,2-DCB	1,4-DCB	B	CB	CF
CPA-09S	0.5	<0.0025	<0.0025	<0.0025	<0.0025	0.0098
	5	<0.0021	<0.0021	<0.0021	<0.0021	0.053
	10	<0.002	<0.002	<0.002	<0.002	0.052

Boring	Depth	1,2-DCB	1,4-DCB	B	CB	CF
CPA-01D	5	<0.0019	<0.0019	<0.0019	<0.0019	0.021
	10	<0.0019	<0.0019	<0.0019	<0.0019	0.0062
	20	<0.0021	<0.0021	<0.0021	<0.0021	0.012
	30	<0.002	<0.002	<0.002	<0.002	0.07
	40	<0.0022	<0.0022	<0.0022	<0.0022	0.68
	50	<0.1	<0.1	<0.1	<0.1	0.68

Legend
- Soil Boring Location

1,2-DCB: 1,2-Dichlorobenzene
1,4-DCB: 1,4-Dichlorobenzene
B: Benzene
CB: Chlorobenzene
CF: Chloroform
J: Flagged Results Represent Estimated Concentrations

Depth: Feet below ground surface
Concentrations reported in milligrams per kilogram (mg/kg)
Source: Soil Investigation (Hargis, 2006)

Select VOC Results in Soil
Closed Ponds Area
Former Montrose Chemical Facility
Henderson, Nevada

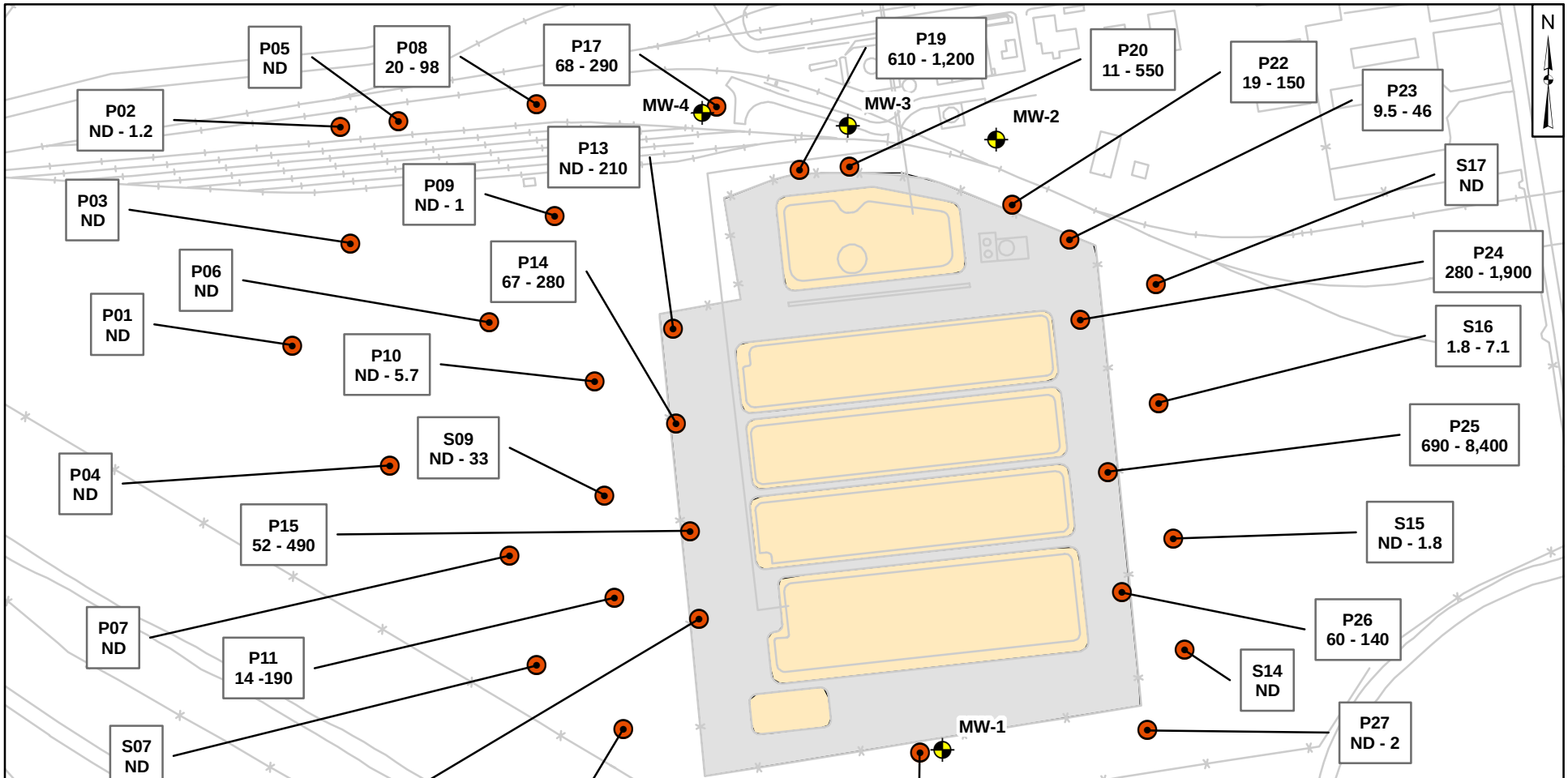
200 100 0 200 400 Feet

Geosyntec consultants

HW0989C | March 2008

Figure **2-10**

G:\GIS\HW0989\Figures\Closed Pond Area\Report Final\CPA Soil Study Investigation Map.mxd 2008/4/1



Legend

Compliance Monitor Well

Soil Vapor Point with Minimum and Maximum Chloroform Concentration

P12
6.3 - 33

Notes:
Chloroform Concentrations reported in micrograms per liter (ug/L)
ND - Not Detected

Chloroform Minimum and Maximum Concentrations in Soil Vapor
Closed Ponds Area
Former Montrose Chemical Facility

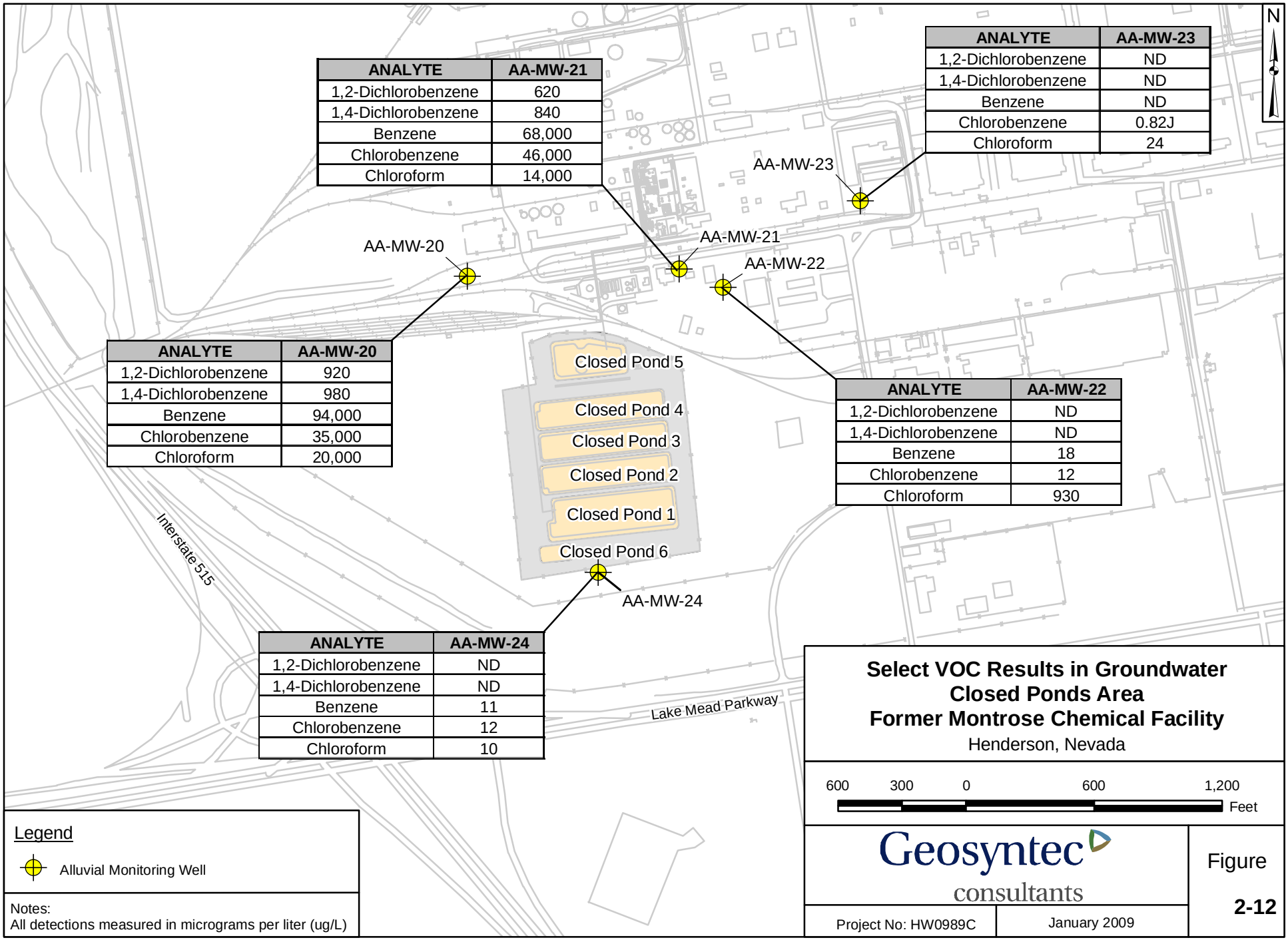
Henderson, Nevada

300 150 0 300 Feet

Geosyntec consultants

	HW0989C	Figure
	Revision:	2-11
Huntington Beach	24-Mar-2008	

g:\gis\hw0934\projects\closed_pond area\report\final\CF in Soil Vapro Result Map.mxd GWW 20080411



ANALYTE	AA-MW-23
1,2-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Benzene	ND
Chlorobenzene	0.82J
Chloroform	24

ANALYTE	AA-MW-21
1,2-Dichlorobenzene	620
1,4-Dichlorobenzene	840
Benzene	68,000
Chlorobenzene	46,000
Chloroform	14,000

ANALYTE	AA-MW-20
1,2-Dichlorobenzene	920
1,4-Dichlorobenzene	980
Benzene	94,000
Chlorobenzene	35,000
Chloroform	20,000

ANALYTE	AA-MW-22
1,2-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Benzene	18
Chlorobenzene	12
Chloroform	930

ANALYTE	AA-MW-24
1,2-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Benzene	11
Chlorobenzene	12
Chloroform	10

Select VOC Results in Groundwater
Closed Ponds Area
Former Montrose Chemical Facility
Henderson, Nevada

Legend

Alluvial Monitoring Well

Notes:
All detections measured in micrograms per liter (ug/L)

Geosyntec consultants

Project No: HW0989C

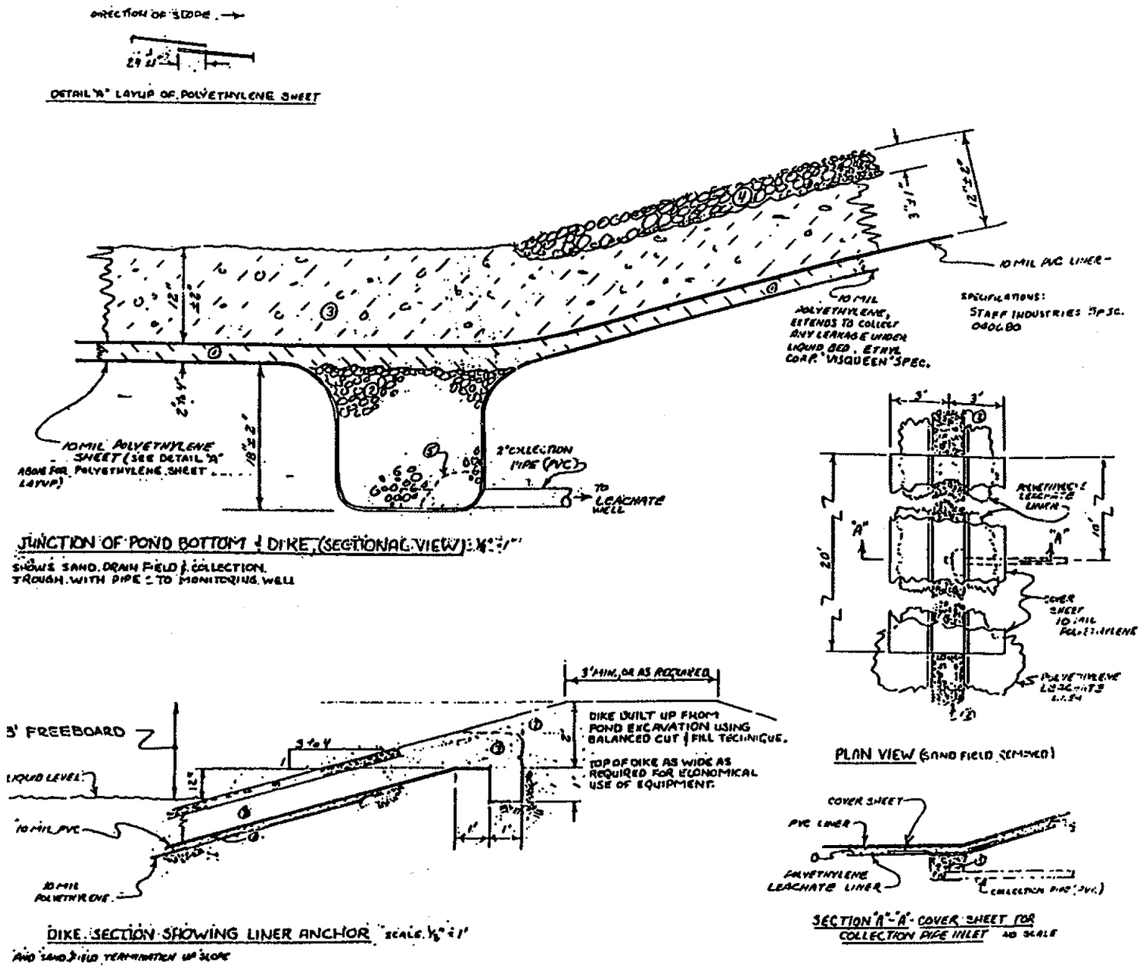
January 2009

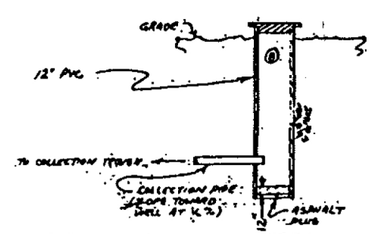
Figure **2-12**

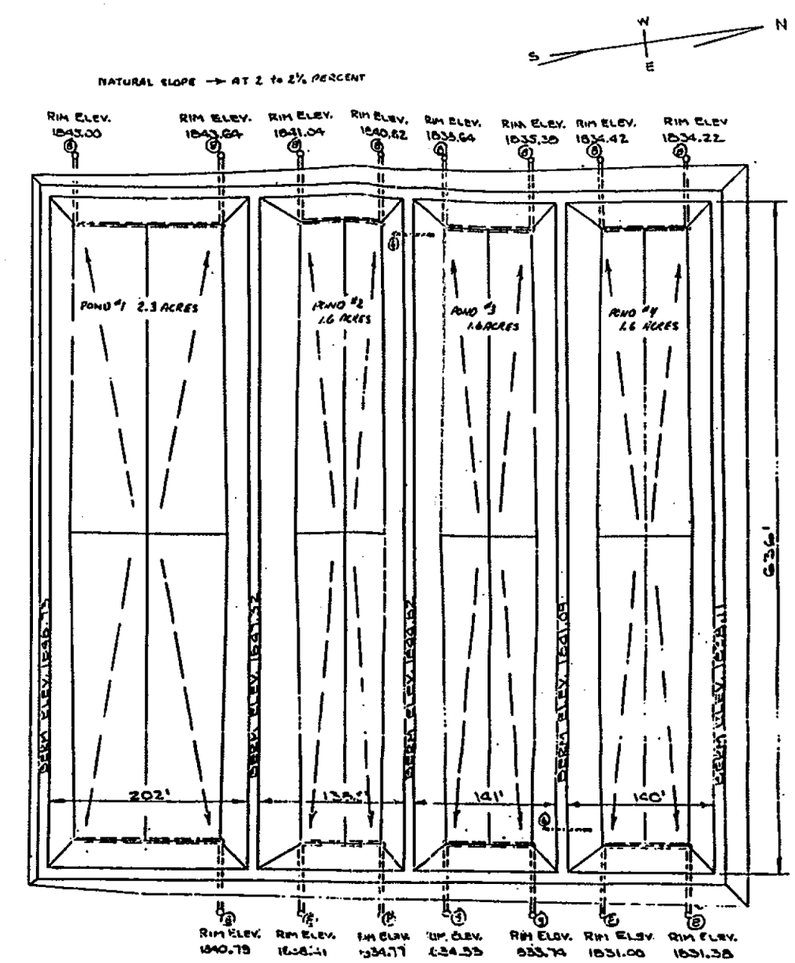
G:\GIS\HW0934\Projects\Closed Pond Area\CSM Soil Report\2008 CPA GW Investigation.mxd

Geosyntec consultants

Exhibits







LAYOUT OF PONDS SCALE 1" = 60', APPROX.

CONTRACTOR PROPOSALS MAY VARY FROM THESE PROPORTIONS

NOTES

① FIELD, CONTINUOUS UNDER POND BOTTOM, SLOPED ½ PERCENT TOWARD LEACHATE WELL
IN NORTH-SOUTH AXIS SLOPED AWAY FROM POND CENTER AT ½ PERCENT; NORTH-SOUTH EDGES OF POLYETHYLENE SHEET CURVED UP TO MEET PVC LINER.
MATERIAL COMPATABLE WITH BOTH LINERS SO LEAKS WON'T
DEWELAP

② GRAVEL

③ ON SITE EARTH COMPATIBLE WITH PVC LINER SO EQUIPMENT REQUIRED TO MAKE THE POND MAY BE DRIVEN ON IT

④ GRAVEL 1" AND LARGER ON ALL SLOPES TO CONTROL WAVE ACTION

⑤ CLAY COLLAR (OR EQUIV.) TO SEAL PIPE PASSING THROUGH POLYETHYLENE SHEET

⑥ OVERFLOW PIPES, 3" PVC SEALED AT THE LINER WITH A SUITABLE PVC COLLAR AND CEMENT (NOTE: USE HEAVIEST AVAILABLE PVC PIPE) ALL POND SECTION AT 5' AVERAGE LIQUID DEPTH WITH 12" FREEBOARD TO LINER TOP. NO 1 POND HAS NO OVERFLOW.

⑦ ON SITE EARTH AS IS

⑧ LEACHATE WELL

GENERAL

THE EAST AND WEST DIKE WALLS AS SHOWN ARE STEPPED (DUE TO NATURAL SLOPE OF LAND AND SEPARATE POND LEVELS). THESE MAY BE PUT IN AS ONE CONTINUOUS LONG, GRADUAL SLOPING DIKE (AS LONG AS POND LEVELS ARE NOT AFFECTED).

ESTABLISH POND AREA AT 80% OF AVERAGE LIQUID DEPTH (THE AVERAGE LIQUID DEPTH OF #1 POND IS 5 FT. WITH 3 FT OF FREEBOARD).

SURFACES THAT THE LINER WILL TOUCH TO BE PREPARED AND COMPACTED AS REQUIRED TO ELIMINATE SHARP OBJECTS AND STRESS THAT MAY REMAIN TO CAUSE LEAKAGE.

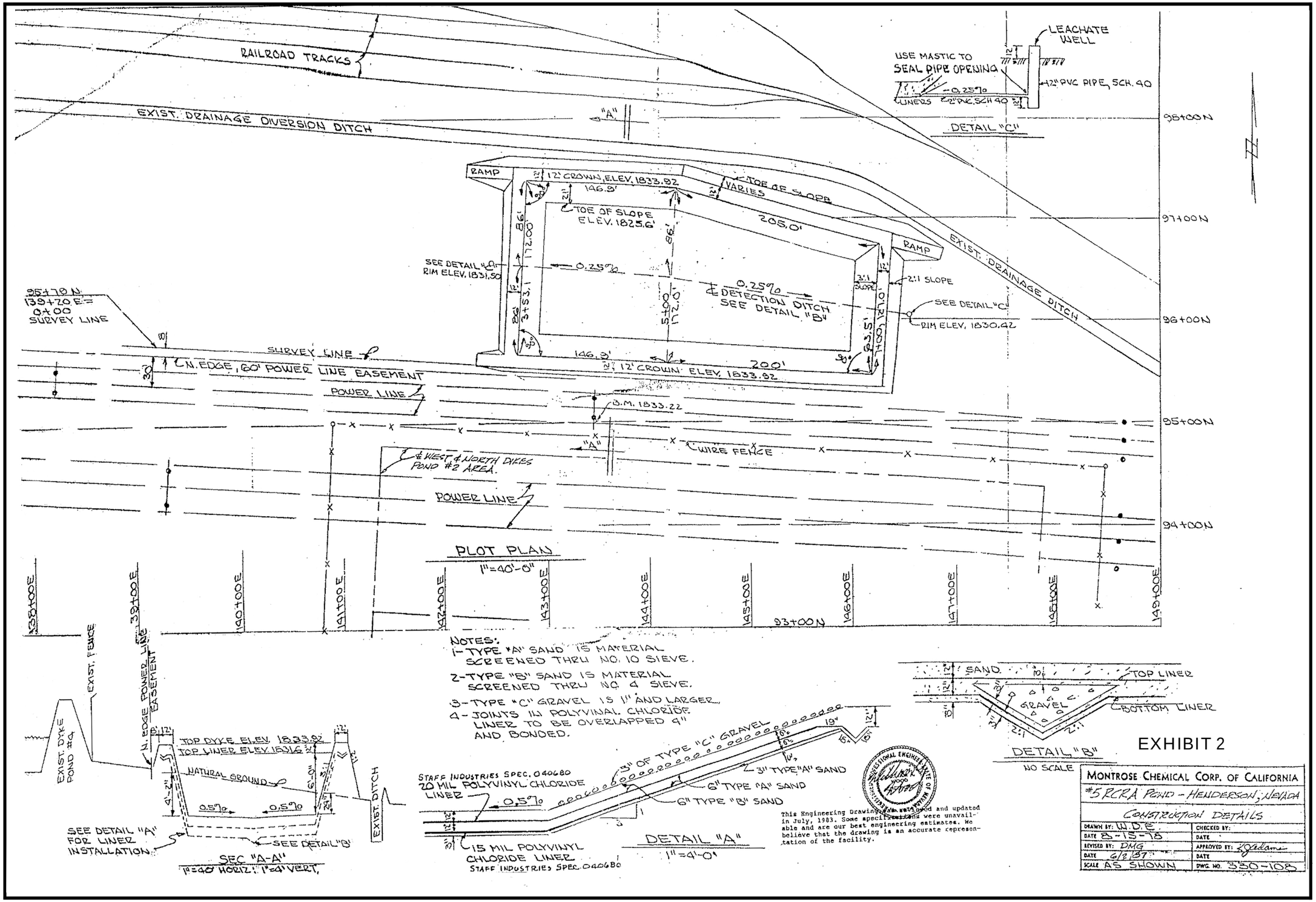
This Engineering Drawing was reviewed and updated in July, 1983. Some specifications were unavailable and are our best engineering estimates. We believe that the drawing is an accurate representation of the facility

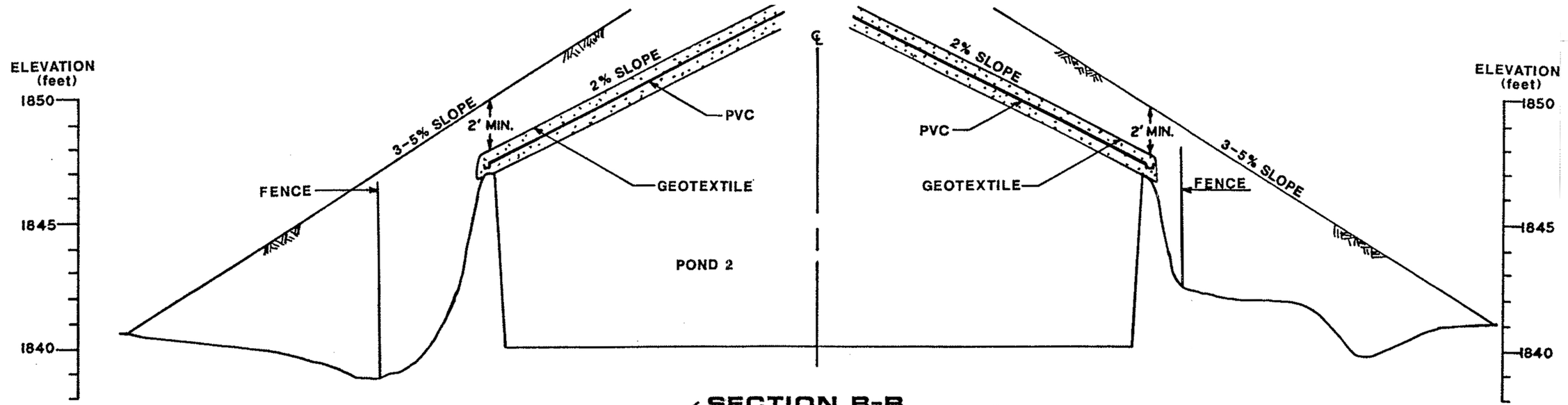
EXHIBIT 1

NOTE: POND BOTTOMS SLOPED IN ACCORDANCE WITH SAND FIELD

Not to Scale
Exhibit "P"

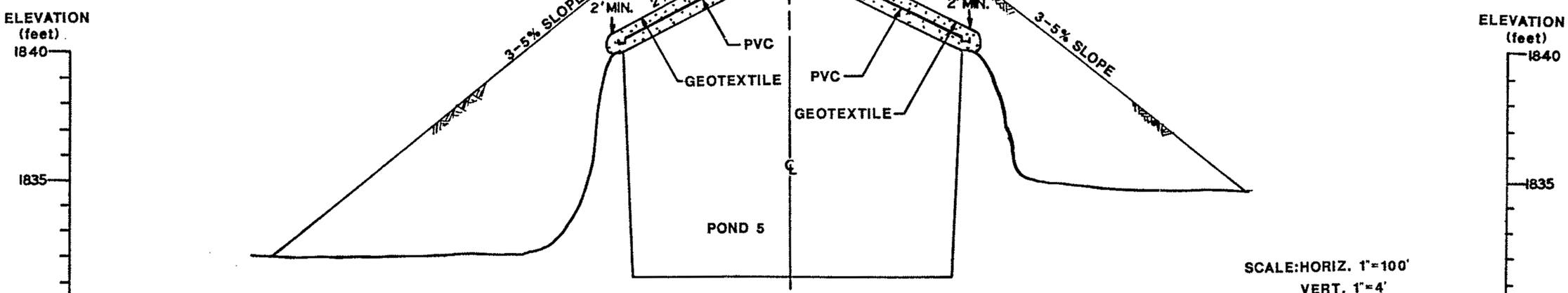
MONTROSE CHEMICAL CORP. OF CALIFORNIA	
EVAPORATION PONDS	
SAND DRAIN FIELD MONITOR	
DRAWN BY	CHECKED BY
DATE	DATE
REVISED BY: WDE	APPROVED BY:
DATE 7-13-83	DATE 12/6/73 ISSUE 5
SCALE	DWG NO 330-1028


RAILROAD TRACKS
EXIST. DRAINAGE DIVERSION DITCH
LEACHATE WELL
USE MASTIC TO SEAL PIPE OPENING
12" PVC PIPE, SCH. 40
0.25%
LINERS
2" PVC, SCH 40
DETAIL "C"
98+00N
97+00N
96+00N
95+00N
94+00N
93+00N
RAMP
12' CROWN, ELEV. 1833.82
146.9'
TOE OF SLOPE VARIES
TOE OF SLOPE ELEV. 1825.6'
205.0'
SEE DETAIL "C" RIM ELEV. 1831.50
0.25%
0.25%
DETECTION DITCH SEE DETAIL "B"
2:1 SLOPE
SEE DETAIL "C"
RIM ELEV. 1830.42
95+70 N. 139+70 E = 0+00 SURVEY LINE
SURVEY LINE
N. EDGE, 60' POWER LINE EASEMENT
POWER LINE
B.M. 1833.22
WIRE FENCE
W. WEST & NORTH DIKES POND #2 AREA.
PLOT PLAN
1" = 40'-0"
138+00E
139+00E
140+00E
141+00E
142+00E
143+00E
144+00E
145+00E
146+00E
147+00E
148+00E
149+00E
EXIST. FENCE
N. EDGE POWER LINE EASEMENT
EXIST. DYKE POND #4
TOP DYKE ELEV. 1833.82
TOP LINER ELEV. 1831.6
NATURAL GROUND
0.5%
SEE DETAIL "A" FOR LINER INSTALLATION
SEE DETAIL "B"
EXIST. DITCH
SEC "A-A"
1" = 40' HORIZ.; 1" = 4' VERT.
NOTES:
1- TYPE "A" SAND IS MATERIAL SCREENED THRU NO. 10 SIEVE.
2- TYPE "B" SAND IS MATERIAL SCREENED THRU NO. 4 SIEVE.
3- TYPE "C" GRAVEL IS 1" AND LARGER.
4- JOINTS IN POLYVINAL CHLORIDE LINER TO BE OVERLAPPED 9" AND BONDED.
STAFF INDUSTRIES SPEC. 040680
20 MIL POLYVINYL CHLORIDE LINER
3" OF TYPE "C" GRAVEL
3" TYPE "A" SAND
6" TYPE "A" SAND
6" TYPE "B" SAND
15 MIL POLYVINYL CHLORIDE LINER
STAFF INDUSTRIES SPEC. 040680
DETAIL "A"
1" = 4'-0"
SAND
TOP LINER
GRAVEL
BOTTOM LINER
DETAIL "B"
NO SCALE
This Engineering Drawing was based and updated in July, 1983. Some specifications were unavailable and are our best engineering estimates. We believe that the drawing is an accurate representation of the facility.
EXHIBIT 2
MONTROSE CHEMICAL CORP. OF CALIFORNIA
#5 RCRA POND - HENDERSON, NEVADA
CONSTRUCTION DETAILS
DRAWN BY: W.D.E.
DATE 8-15-78
REVISED BY: DMG
DATE 6/2/87
SCALE AS SHOWN
CHECKED BY:
DATE
APPROVED BY:
DATE
DWG. NO. 350-108



SECTION B-B

NOTE: This drawing is provided to present the approximate existing conditions and anticipated closure appearance. The drawing should not be used as a design drawing for construction purposes.



SCALE: HORIZ. 1"=100'
VERT. 1"=4'

SECTION C-C

REFERENCE: "Site Plan", by Ben G. Sweet, R.L.S., dated April 14, 1983

CROSS SECTION

QUALITY ASSURANCE PLAN
Ponds 2 & 5 Closure
Clark County, Nevada

Converse Consultants Southwest, Inc.
Geotechnical Engineering and Applied Sciences

Scale	AS SHOWN
Date	9/22/87
Prepared by	WLL
Checked by	RJP
Approved By	RJP
Project No	87-43102-01
Drawing No	3

EXHIBIT 3

Geosyntec consultants

Appendix A

Available Borehole Logs

SUMMARY OF BORING NO. MW-1 UPGRADIENT MONITORING WELL

DATE DRILLED: 5-17-88

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

DEPTH IN FEET	SAMPLES (1)	BLOWS/FT. (2)	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	SYMBOL (1)	MOISTURE, %	DRY DENSITY, PCF
0					brown	FILL: SILTY SAND and gravel	SM		
						GRAVELLY SAND some silt, partially cemented zones	SW		
5									
10									
						SAND and SILT w/gravel, partially cemented	SM		
15									
						SILTY SAND tr. gravel, partially cemented	SM		
20						---some gravel, some caliche gravel	SM		
25									
						SANDY SILT some gravel, partially cemented	ML		
30						GRAVELLY SAND some silt, w/ cemented nodules	SW		
35									
						SANDY SILT some clay, some gravel, tr. caliche gravel	ML		
40									

GROUNDWATER
91 feet 6 inches after 32 hours

END OF BORING AT 115 FEET

(continued next page)

(1) REFER TO KEY TO SOIL SYMBOLS AND TERMS FOR EXPLANATION OF TEST SYMBOLS

(2) USING LB. DRIVING WEIGHT FALLING 30 INCHES AND INCH DIAMETER SAMPLER

MONTROSE MONITORING WELLS

PROJECT NO. 87-43102-02

DRAWING NO. 1-1

Converse Environmental Consultants Southwest, Inc.

SUMMARY OF BORING NO. MW-1

UPGRADIENT MONITORING WELL

DATE DRILLED: 5-17-88

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

DEPTH IN FEET	SAMPLES (1)	BLOWS/FT. (2)	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	SYMBOL (1)	MOISTURE, %	DRY DENSITY, PCF
40						SAND and SILT tr. gravel, tr. clay	SM		
45									
50						SILTY CLAY tr. sand	CL		
55						CLAY some silt, tr. sand	CH		
60						SILTY CLAY some sand, tr. gravel, tr. caliche gravel	CL		
65						SAND w/clay pockets, tr. gravel	SC		
70						SAND and SILT w/clay pockets	SM		
75						---tr. gravel			
80						---no gravel, no clay pockets			

GROUNDWATER

91 feet 6 inches after 32 hours

END OF BORING AT 115 FEET

(continued next page)

(1) REFER TO KEY TO SOIL SYMBOLS AND TERMS FOR EXPLANATION OF TEST SYMBOLS

(2) USING LB. DRIVING WEIGHT FALLING 30 INCHES AND INCH DIAMETER SAMPLER

MONTROSE MONITORING WELLS

PROJECT NO. 87-43102-02

DRAWING NO. 1-2

Converse Environmental Consultants Southwest, Inc.

SUMMARY OF BORING NO. MW-1 UPGRADIENT MONITORING WELL

DATE DRILLED: 5-17-88

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

DEPTH IN FEET	SAMPLES (1)	BLOWS/FT. (2)	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	SYMBOL (1)	MOISTURE, %	DRY DENSITY, PCF
80									
						SILT and CLAY some sand	CL		
85									
90						SILTY CLAY tr. sand	CL		
			▼ water table						
95						---tr. gravel			
100									
						SILTY SAND partially cemented	SM		
105						SILTY CLAY some sand, w/ caliche gravel	CL		
110									
115									
120									

▼ GROUNDWATER
91 feet 6 inches after 32 hours

END OF BORING AT 115 FEET

(1) REFER TO KEY TO SOIL SYMBOLS AND TERMS FOR EXPLANATION OF TEST SYMBOLS

(2) USING LB. DRIVING WEIGHT FALLING 30 INCHES AND INCH DIAMETER SAMPLER

MONTROSE MONITORING WELLS

PROJECT NO. 87-43102-02

DRAWING NO. 1-3

Converse Environmental Consultants Southwest, Inc.

DATE DRILLED: 5-12-88

SUMMARY OF BORING NO. MW-2

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

DOWNGRADIENT EAST MONITORING WELL

DEPTH IN FEET	SAMPLES (1)	BLOWS/FT. (2)	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	SYMBOL (1)	MOISTURE, %	DRY DENSITY, PCF
0					brown	SAND and GRAVEL some silt	GM		
5									
						---partially cemented			
10									
15						SILTY SAND some gravel; w/ clay, partially cemented	SM		
20						GRAVELLY SAND w/ silt, slightly cemented	GM		
						SAND and SILT some gravel, w/ clay	SM		
25						SANDY SILT some gravel, w/ clay	ML		
30						SILTY CLAY w/ sand, tr. gravel	CL		
35						---some sand			
40									

GROUNDWATER
52 feet after 8 days

END OF BORING AT 68 FEET

(1) REFER TO KEY TO SOIL SYMBOLS AND TERMS FOR EXPLANATION OF TEST SYMBOLS

(2) USING LB. DRIVING WEIGHT FALLING 30 INCHES AND INCH DIAMETER SAMPLER

(continued next page)

MONTROSE MONITORING WELLS

PROJECT NO. 87-43102-02

DRAWING NO. 1-4

Converse Environmental Consultants Southwest, Inc.

DATE DRILLED: 5-12-88

SUMMARY OF BORING NO. MW-2

THIS SUMMARY APPLIES ONLY AT THE LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

DOWNGRADIENT EAST MONITORING WELL

DEPTH IN FEET	SAMPLES (1)	BLOWS/FT. (2)	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	SYMBOL (1)	MOISTURE, %	DRY DENSITY, PCF
40						SILTY SAND w/ gravel, w/ clay	SM		
45						SANDY SILT w/ clay, tr. gravel	ML		
						CLAYEY SILT w/ sand	ML		
50			▼ water table						
55						SILTY CLAY some gravel, w/ sand	CL		
60						SANDY CLAY some silt, w/ gravel	CL		
65						SILTY CLAY w/ sand, tr. gravel	CL		
70									
75									
80									

GROUNDWATER 52 feet after 8 days

END OF BORING AT 68 FEET

(1) REFER TO KEY TO SOIL SYMBOLS AND TERMS FOR EXPLANATION OF TEST SYMBOLS

(2) USING LB. DRIVING WEIGHT FALLING 30 INCHES AND INCH DIAMETER SAMPLER

MONTROSE MONITORING WELLS

PROJECT NO. 87-43102-02

DRAWING NO. 1-5

Converse Environmental Consultants Southwest, Inc.

+ 07 ✓

SUMMARY OF BORING NO. MW-3 DOWNGRADIENT CENTER MONITORING WELL

DATE DRILLED: 5-20-88

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

DEPTH IN FEET	SAMPLES (1)	BLOWS/FT. (2)	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	SYMBOL (1)	MOISTURE, %	DRY DENSITY, PCF
0					brown	FILL: SILTY SAND w/gravel	SM		
						GRAVELLY SAND w/silt ---partially cemented zones ---occasional boulders	SW		
25						SANDY GRAVEL some silt, partially cemented zones	GM		
						GRAVELLY SAND some silt	SW		
30						SANDY GRAVEL some silt, slightly cemented zones	GM		
35						GRAVELLY SAND some silt, with silty clay lenses	SW		
						SILTY CLAY some sand, trace gravel	CL		
40									

GROUNDWATER
52 feet after 16 hours

END OF BORING AT 62 FEET

(1) REFER TO KEY TO SOIL SYMBOLS AND TERMS FOR EXPLANATION OF TEST SYMBOLS

(2) USING LB. DRIVING WEIGHT FALLING 30 INCHES AND INCH DIAMETER SAMPLER

(continued next page)

MONTROSE MONITORING WELLS

PROJECT NO. 87-43102-02

DRAWING NO. 1-6

Converse Environmental Consultants Southwest, Inc.

DATE DRILLED: 5-20-88

SUMMARY OF BORING NO. MW-3

DOWNGRADIENT CENTER MONITORING WELL

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

DEPTH IN FEET	SAMPLES (1)	BLOWS/FT. (2)	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	SYMBOL (1)	MOISTURE, %	DRY DENSITY, PCF
40									
45									
						SANDY SILT tr. gravel	ML		
50						---sand and gravel lenses, some clay pockets			
			water table						
55						SILTY CLAY some sand, tr. gravel	CL		
60									
65									
70									
75									
80									

GROUNDWATER
52 feet after 16 hours

END OF BORING AT 62 FEET

(1) REFER TO KEY TO SOIL SYMBOLS AND TERMS FOR EXPLANATION OF TEST SYMBOLS

(2) USING LB. DRIVING WEIGHT FALLING 30 INCHES AND INCH DIAMETER SAMPLER

MONTROSE MONITORING WELLS

PROJECT NO. 87-43102-02

DRAWING NO. 1-7

Converse Environmental Consultants Southwest, Inc.

DATE DRILLED: 5-19-88

SUMMARY OF BORING NO. MW-4

THIS SUMMARY APPLIES ONLY AT THE LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

DOWNGRADIENT WEST MONITORING WELL

DEPTH IN FEET	SAMPLES (1)	BLOWS/FT. (2)	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	SYMBOL (1)	MOISTURE, %	DRY DENSITY, PCF
0					brown	FILL: SILTY SAND and gravel	SM		
						SAND and GRAVEL w/ silt, occasional boulders	GM		
5									
						GRAVELLY SAND some silt, partially cemented zones	GM		
10									
						SAND and GRAVEL some silt, occasional boulders ---partially cemented	GM		
15									
20						---uncemented			
25									
30						SANDY SILT w/ gravel	ML		
35						SILTY CLAY some sand, tr. gravel	CL		
40									

GROUNDWATER
52 feet after 4 days

END OF BORING AT 69 FEET

(continued next page)

(1) REFER TO KEY TO SOIL SYMBOLS AND TERMS FOR EXPLANATION OF TEST SYMBOLS

(2) USING LB. DRIVING WEIGHT FALLING 30 INCHES AND INCH DIAMETER SAMPLER

MONTROSE MONITORING WELLS

PROJECT NO. 87-43102-02

Converse Environmental Consultants Southwest, Inc.

DRAWING NO. 1-8

DATE DRILLED: 5-19-88

SUMMARY OF BORING NO. MW-4

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

DOWNGRADIENT WEST MONITORING WELL

DEPTH IN FEET	SAMPLES (1)	BLOWS/FT. (2)	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	SYMBOL (1)	MOISTURE, %	DRY DENSITY, PCF
40						---w/ gravel			
45						---w/ sand, w/ gravel			
						SAND and GRAVEL some silt	GM		
50			▼ water table						
						SAND and SILT some clay, tr. gravel	ML		
55						CLAYEY SILT some sand, w/ caliche gravel, partially cemented zones	ML		
60						SILTY SAND some clay pockets, tr. gravel	SM		
65									
70									
75									
80									

GROUNDWATER 52 feet after 4 days

END OF BORING AT 69 FEET

(1) REFER TO KEY TO SOIL SYMBOLS AND TERMS FOR EXPLANATION OF TEST SYMBOLS

(2) USING LB. DRIVING WEIGHT FALLING 30 INCHES AND INCH DIAMETER SAMPLER

MONTROSE MONITORING WELLS

PROJECT NO. 87-43102-02

DRAWING NO. 1-9

Converse Environmental Consultants Southwest, Inc.

Logged by:	Date Drilled:	Drilling Contractor:		
Brian K. Loffman	10/05/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-1

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth. (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	∇ ~ 56.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
				Bare Soil Cover Sands/Gravels			
	5		14-19 21	Gravelly SAND (SW), with some silt, dry, moderate yellowish brown (10YR 5/4), medium dense, no odor or staining – increasing gravel and size	0		
Cement	10		38 50/5"	Clayey SAND (SC), with some gravels, dry, moderate brown (10YR 6/2), very stiff, no odor or staining	0		
	15		50/4"	Silty SAND (SM), with gravels, dry, moderate yellowish brown (10YR 5/4), dense, no odor or staining	0		
	20		50/5"	Gravelly SAND (SW), with trace silt, damp, moderate yellowish brown (10YR 5/4), very dense, no odor or staining Continued next page	0		

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility

FIGURE: 1
DATE: 10/05/99
PROJECT NO: 016.09826

boringlog

Brian K. Loffman	10/05/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-1

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	∇ ~ 56.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
Cement	25		20-24 29	Sandy CLAY (CL), with trace gravel, damp, moderate brown (5YR 4/4), very stiff, no odor or staining	0		
	30		21-28 32	CLAY (CL), with some sand, damp, moderate brown (5YR 4/4), very stiff, no odor or staining	0		
	35		10-12 13	CLAY (CL), with trace sand and gravels, damp moderate brown (5YR 4/4), very stiff, no odor or staining	0		
	40		12-14 17	Increasing sand and gravel (10%/10%) Increase in moisture content no odor or staining	0		
	45		9-9 11	CLAY (CL), with some gravel, moist, moderate yellowish brown (10YR 5/4), stiff, no odor or staining	0		

Continued next page

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 1
DATE: 10/05/99
PROJECT NO: 016.09826

boringlog

Logged by:	Date Drilled:	Drilling Contractor:		
Brian K. Loffman	10/05/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-1

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	▽ ~ 56.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	50		19-24 50/4"	Sandy GRAVEL (GW), with some clay, moist, moderate brown (5YR 4/4), dense, no odor or staining	0		
	55 ▽		24-22 39	CLAY (CL), with some gravel, moist, moderate brown (5YR 4/4), very stiff, moderate odor and no staining	579		
Bentonite	60		24-39 63	CLAY (CL), with cemented nodules, moist, moderate yellowish brown (10YR 5/4), hard, faint odor and no staining	152		
			21-28 22-24	Clayey SAND (SC), with gravels, moist, moderate brown (5YR 4/4), med. dense, no odor or staining	119		
	65		19-17 27-17	CLAY (CL), with trace silt, moist, moderate brown (5YR 4/4), very stiff, no odor or staining	48		
			11-12 19-17	CLAY (CL), with trace gravels, moist, moderate brown (5YR 4/4), very stiff, no odor or staining	52		
			22-27 32-24	- trace gravels	40		
	70			Terminated boring at 70-bgs.			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 1
DATE: 10/05/99
PROJECT NO: 018.09826

boringlog

Logged by:	Date Drilled:	Drilling Contractor:	Drilling Equipment:	
Brian K. Loffman	10/05/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-2

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	∇ ~ 56.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
				Bare Soil Cover Sands/Gravels			
	5		28-28	Sandy Gravel (GW), with some silt, dry, pale yellowish brown (10YR 6/2), med. dense, no odor or staining	0		
Cement	10		50/5"	Gravelly SAND (SW), with some silt, dry, pale yellowish brown (10YR 6/2), very dense, no odor or staining	0		
	15		19-31 34	Gravelly SAND (SW), with some silt, dry, pale yellowish brown (10YR 6/2), dense, no odor or staining	0		
	20		19-24 50/5"	SAND (SP), with some gravel, dry, pale yellowish brown (10YR 6/2), very dense, no odor or staining	0		
				Continued next page			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

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1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 2
DATE: 10/05/99
PROJECT NO: 018.09826

boringlog

Logged by:	Date Drilled:	Drilling Co.	Drilling Method	Boring No.
Brian K. Loffman	10/05/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-2

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	~ 56.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	25		14-18 31	Clayey SAND (SC), with some gravel, dry, pale yellowish brown (10YR 6/2), med. dense, no odor or staining	0		
	30		50/5"	Clayey SAND (SC), with some gravel, dry, pale yellowish brown (10YR 6/2), very dense, no odor or staining	0		
Cement	35		19-23 50/5"	Sandy CLAY (CL), with trace gravels, dry, moderate brown (5YR 4/4), very stiff, no odor or staining	0		
	40		50/6"	- decreasing sand	0		
	45		15-19 22	CLAY (CL), with trace fine sand, damp, moderate brown (5YR 4/4), medium dense, no odor or staining	0		

Continued next page

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

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1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 2
DATE: 10/05/99
PROJECT NO: 018.09826

Logged by:	Date Drilled:	Drilling Contractor:	Drilling Equipment:	
Brian K. Loffman	10/05/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-2

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	▽ ~ 56.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	50		13-15 26-37	– Increasing moisture	0		
			21-36 43-53	Sandy CLAY (CL), moist, moderate brown (5YR 4/4), dense, no odor or staining	0		
			23-27	– no sample recovery			
	55 ▽		33-37 39-39	Sandy GRAVEL (GW), with trace silt, wet, pale yellowish brown (10YR 6/2), dense, no odor or staining	0		
			17-28 22-21	Sandy CLAY (CL), trace gravels, moist, moderate brown (5YR 4/4), very stiff, no odor or staining	0		
Bentonite	60						
	65		27- 50/4"	Clayey SAND (SC), with trace gravels, damp, moderate brown (5YR 4/4), very dense, no odor or staining	0		
	70		16-24 35	– decreasing sand	0		
				Terminated boring at 70-bgs.			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 2
DATE: 10/05/99
PROJECT NO: 018.09826

boringlog

Brian K. Loffman	10/06/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-3

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	∇ ~ 57.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
				Bare Soil Cover Sands/Gravels			
	5		50/6"	Silty SAND (SM), with gravel, damp, dark yellowish brown (10YR 4/2), very dense, no odor or staining	0		
Cement	10		42 50/3"	Gravelly SAND (GW), with trace silt, dry, moderate yellowish brown (10YR 5/4), very dense, no odor or staining	0		
	15		41-36 33	Silty SAND (SM), with some gravels, dry, pale yellowish brown (10YR 6/2), dense, no odor or staining	0		
	20		39 50/5"	Gravelly SAND (GW), with some silt, dry, pale yellowish brown (10YR 6/2), very dense, no odor or staining	0		
				Continued next page			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 3
DATE: 10/06/99
PROJECT NO: 018.09826

boringlog

Brian K. Loffman	10/06/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-3

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	∇ ~ 57.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	25		38 50/6"	Clayey SAND (SC), with some gravel, dry, very pale orange (10YR 8/2), very dense, no odor or staining	0		
	30		19-31 46	CLAY (CL), with some sand, damp, moderate brown (5YR 4/4), dense, no odor or staining	0		
Cement	35		19-22 29	Sandy CLAY (CL), with trace gravels, damp, moderate brown (5YR 4/4), very stiff, no odor or staining	0		
	40		17-21 32	- increasing sand	0		
	45		17-21 39	Sandy CLAY (CL), damp, moderate brown (5YR 4/4), very stiff, no odor or staining	0		

Continued next page

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 3
DATE: 10/06/99
PROJECT NO: 018.09826

boringlog

Logged by:	Date Drilled:	Drilling Co.	Drilling Method	Boring No.
Brian K. Loffman	10/06/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-3

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	▽ ~ 57.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	50		13-12 32-38	- decreasing sand	0		
			12-19 31-35	Sandy CLAY (CL), moist, moderate brown (5YR 4/4), very stiff, no odor or staining	0		
	55		21-29 32-41	- increasing sand, trace gravels, moist	0		
	▽		29-31 28-40	Sandy GRAVEL (GW), with some silt, wet, pale yellowish brown (10YR 6/2), dense, no odor or staining	0		
			19-21 17-19	Sandy CLAY (CL), trace gravels, moist, moderate brown (5YR 4/4), very stiff, no odor or staining	0		
Bentonite	60						
	65		19-24 40	CLAY (CL), with some sand and trace gravel, damp, moderate brown (5YR 4/4), dense, no odor or staining	0		
	70		21-22 39	- decreasing sand	0		
				Terminated boring at 70-bgs.			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 3
DATE: 10/06/99
PROJECT NO: 018.09828

boringlog

Logged by:	Date Drilled:	Drilling Contractor:	Method/Equipment:	Boring Number:
Brian K. Loffman	10/07/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-4

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	▽ ~ 53.5	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
				Bare Soil Cover Sands/Gravels			
	5		50/6"	– no sample recovery (gravels)	0		
Cement	10	■	35 50/3"	Gravelly SAND (SP), with some silt, dry, pale yellowish brown (10YR 6/2), very dense, no odor or staining	0		
	15	■	27 50/3"	Sandy GRAVEL (GW), with trace silt, dry, very pale orange (10YR 8/2), very dense, no odor or staining	0		
	20	■	38 50/6"	Clayey SAND (SC), with some silt, dry, pale yellowish brown (10YR 6/2), very dense, no odor or staining	0		

Continued next page

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 4
DATE: 10/06/99
PROJECT NO: 018.09826

Logged by:				
Brian K. Loffman	10/07/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-4

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	▽ ~ 53.5	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	25		47 50/6"	Gravelly SAND (SW), with some silt, dry, pale yellowish brown (10YR 6/2), very dense, no odor or staining	0		
	30		25-32 27	Clayey SAND (SC), with some gravel, dry, pale yellowish brown (10YR 6/2), medium dense, no odor or staining	0		
Cement	35		42 50/4"	Clayey SAND (SC), with some gravels, dry, pale yellowish brown (5YR 4/4), dense, no odor or staining	0		
	40		3-6 9	CLAY (CL), with trace fine sand, damp, moderate yellowish brown (10YR 5/4), firm, no odor or staining	0		
	45		7-10 16	SAND (SW), some gravels, damp, moderate brown (5YR 4/4), medium dense, no odor or staining	0		
				Continued next page			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 4
DATE: 10/06/99
PROJECT NO: 018.09826

boringlog

Logged by:	Date Drilled:	Drilling Contractor:	Method/Equipment:	Boring Number:
Brian K. Loffman	10/07/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-4

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	~ 53.5	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	50		12-12 13-16	CLAY (CL), with some sand, damp, moderate brown (5YR 4/4), dense, no odor or staining	15		
			10-10 16-18	Sandy GRAVEL (GM), with some silt, wet, moderate brown (5YR 4/4), medium dense, no odor or staining	39		
	55		11-12 15-19	- increasing sand, trace gravels, moist	235		
			13-15 19-24	Sandy CLAY (CL), trace gravels, moist, pale yellowish brown (10YR 6/20), very stiff, faint odor, no staining	98		
			19-21 21-31	Sandy CLAY (CL), trace gravels, moist, moderate brown (5YR 4/4), very stiff, no odor or staining	63		
Bentonite	60						
	65		21-24 39	CLAY (CL), with some sand and trace gravel, damp, moderate brown (5YR 4/4), very stiff, no odor or staining	6.5		
	70		19-29 32	- increasing sand	2.6		
				Terminated boring at 70-bgs.			

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SECOR INTERNATIONAL INCORPORATED
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LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 4
DATE: 10/06/99
PROJECT NO: 016.09826

boringlog

Logged by:	Date Drilled:	Drilling Contractor:	Drilling Equipment:	
Brian K. Loffman	10/07/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-5

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	▽ ~ 54.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
				Bare Soil Cover Sands/Gravels			
				Soil sampling and logging started at 50-feet bgs			
	5						
Cement	10						
	15						
	20						
				Continued next page			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

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LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility

FIGURE: 5
DATE: 10/07/99
PROJECT NO: 016.09826

boringlog

Logged by:	Date Drilled:	Drilling Contractor:	Method/Equipment:	Boring Number:
Brian K. Loffman	10/07/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-5

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	~ 54.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	25			Soil sampling and logging started at 50-feet bgs.			
	30						
Cement	35						
	40						
	45			Continued next page			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

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LAS VEGAS, NEVADA 89119

LOG OF BORING
Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 5
DATE: 10/05/99
PROJECT NO: 018.09826

boringlog

Logged by:	Date Drilled:	Drilling Contractor:	Hollow Stem Auger B-90	SB-5
Brian K. Loffman	10/07/99	Eagle Drilling Services		

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	▽ ~ 54.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	50		13-14 9-15	CLAY (CL), with some sand, damp, moderate brown (5YR 4/4), stiff, slight odor no staining	122		
	▽		19-21 21-22	Sandy CLAY (CL), with some silt, damp, moderate brown (5YR 4/4), stiff, heavy odor no staining	455		
	55		24-32 31-19	CLAY (CL), with gravels, moist, moderate brown (5YR 4/4), stiff, heavy odor no staining	686		
			19-16 27-22	Sandy CLAY (CL), trace gravels, moist, pale yellowish brown (10YR 6/20), very stiff, heavy odor, no staining	495		
			12-16 18-22	Sandy CLAY (CL), trace gravels, moist, moderate brown (5YR 4/4), stiff, slight odor or staining	128		
Bentonite	60						
	65		29-32 33	Sandy CLAY (CL), with trace gravel, damp, moderate brown (5YR 4/4), stiff, no odor or staining	29		
	70		19-32 39	- decreasing sand	14		
				Terminated boring at 70-bgs.			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 5
DATE: 10/06/99
PROJECT NO: 016.09626

boringlog

Logged by:	Date Drilled:	Drilling Contractor:	Method/Equipment:	Boring Number:
Brian K. Loffman	11/05/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-6

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	∇ ~ 58.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
				Bare Soil Cover Sands/Gravels			
	5			– contiuous sampling from 50 to 60-feet bgs			
Cement	10	■	50/3"	Gravelly SAND (SP), with some silt, dry, pale yellowish brown (10YR 6/2), very dense, no odor or staining	0		
	15			encountered large cobbles (5 to 6")			
	20			unable to sample due to cobbles broke through cobble layer at 23-feet bgs Continued next page			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 6
DATE: 10/06/99
PROJECT NO: 018.09826

boringlog

Logged by:	Date Drilled:	Drilling Contractor:	Method/Equipment:	Boring Number:
Brian K. Loffman	11/05/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-6

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	∇ ~ 58.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	25						
	30		37-43 50/3"	Sandy CLAY (CL), with trace gravel, damp, moderate brown (5YR 4/4), hard, no odor or staining	0		
Cement	35						
	40		7-23 27	CLAY (CL), with fine sand, damp, moderate yellowish brown (10YR 5/4), stiff, no odor or staining	0		
	45						

Continued next page

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SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 6
DATE: 10/05/99
PROJECT NO: 018.09826

Logged by:	Date Drilled:	Drilling Contractor:	Method/Equipment:	Boring Number:
Brian K. Loffman	11/05/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-6

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	∇ ~ 58.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	50		42-42	CLAY (CL), with some fine sand, damp, moderate yellowish brown (10YR 5/4), very, stiff, no odor or staining	0		
			40-40		10		
	55		45-47		93		
			45-42		155		
	∇		45-48	Sandy CLAY (CL), moist, light brown (5YR 5/6) very stiff, moderate odor no staining	148		
Bentonite	60						
	65		16-31 32	CLAY (CL), with trace sand and gravel, damp, moderate brown (5YR 4/4), very stiff, no odor or staining	14		
	70		32-26 29	CLAY (CL), with trace silt, moist, moderate brown (5YR 4/4), very stiff, no odor or staining	0		
				Terminated boring at 70-bgs.			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

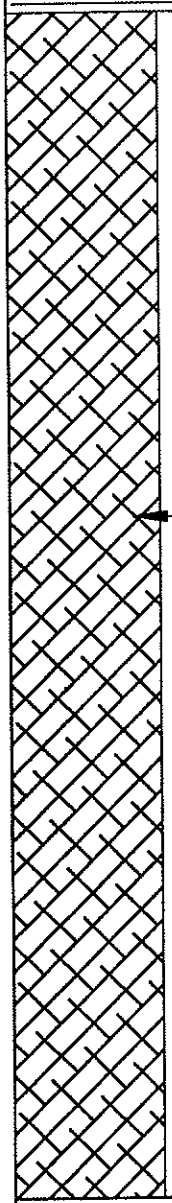
Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 6
DATE: 10/06/99
PROJECT NO: 018.09626

beringlog

Logged by:	Date Drilled:	Drilling Contractor:	Method/Equipment:	Boring Number:
Brian K. Loffman	11/08/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-7

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	▽ ~ 61.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
				Bare Soil Cover Sands/Gravels Soil sampling and logging started at 55-feet bgs Continued next page			

Cement

5

10

15

20

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

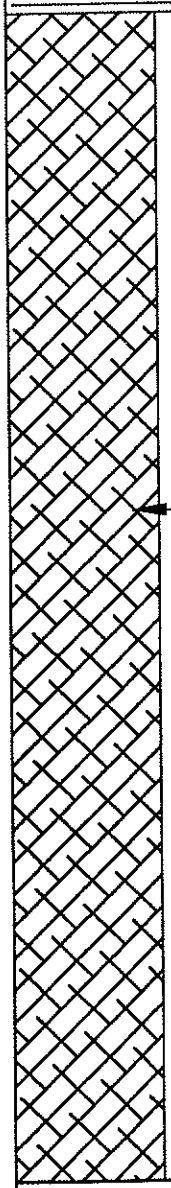
Montrose Chemical Corporation of California
Former Henderson, Nevada Facility

FIGURE: 7
DATE: 10/05/99
PROJECT NO: 018.09826

boringlog

Logged by:	Date Drilled:	Drilling Contractor:	Method/Equipment:	Boring Number:
Brian K. Loffman	11/08/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-7

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	∇ ~ 61.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	25			Soil sampling and logging started at 55-feet bgs.			
	30						
Cement	35						
	40						
	45			Continued next page			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 7
DATE: 10/05/99
PROJECT NO: 018.09826

boringlog

Logged by:	Date Drilled:	Drilling Contractor:	Method/Equipment:	Boring Number:
Brian K. Loffman	11/08/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-7

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	▽ ~ 61.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	50						
	55		42-52	CLAY (CL), with some sand, damp, light brown (5YR 5/6), very stiff, no odor or staining	4.4		
			28-38	Sandy CLAY (CL), with gravels, damp, moderate yellowish brown (10YR 5/4), very stiff, faint odor and no staining	19.2		
			45-80	- increasing sand, trace gravels, moist	34.5		
	60						
Bentonite	▽						
			20-31		76		
			16-19	- decreasing gravel & increasing clay slight odor, no staining	88.1		
	65						
	70		13-21 12	Sandy CLAY (CL) with trace gravels, damp, moderate brown (5YR 4/4), stiff, no odor or staining	2.8		
				Terminated boring at 70-bgs.			

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1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 7
DATE: 10/06/99
PROJECT NO: 018.09826

boringlog

Logged by:	Date Drilled:	Drilling Contractor:	Method/Equipment:	Boring Number:
Brian K. Loffman	11/29/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-8

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	▽ ~ 61.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
				Bare Soil Cover Sands/Gravels			
	5			– contiuous sampling from 50 to 60-feet bgs			
Cement	10						
	15						
	20			encountered large cobbles (5 to 6")			
				broke through cobble layer at 23-feet bgs			
				Continued next page			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

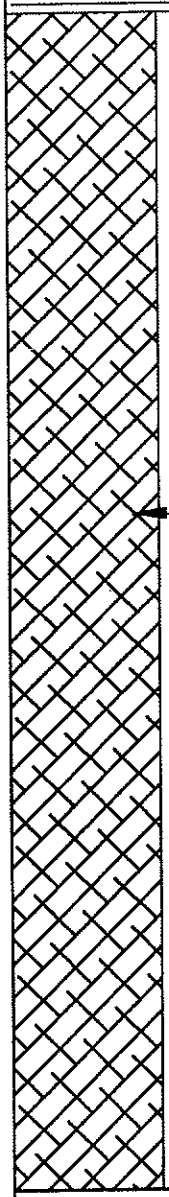
Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 10
DATE: 11/30/99
PROJECT NO: 018.09826

boringlog

Logged by:	Date Drilled:	Drilling Contractor:	Drilling Equipment:	Boring No.
Brian K. Loffman	11/29/99	Eagle Drilling Services	Hollow Stem Auger B-80	SB-8

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	▽ ~ 61.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	25						
	30						
	35						
Cement							
	40						
	45						
				Continued next page			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 10
DATE: 11/30/99
PROJECT NO: 016.09826

boringlog

Logged by:	Date Drilled:	Drilling Contractor:	Method/Equipment:	Boring Number:
Brian K. Loffman	11/29/99	Eagle Drilling Services	Hollow Stem Auger B-90	SB-8

See "Legend to Logs" for sampling method, classifications and laboratory test methods.	Boring Diam. (in.):	Top of Casing Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive Weight (lbs.):	Drop Dist. (in.):
	8"	n/a	▽ ~ 61.00	70	140	30

Well Construction	Depth (ft.)	Sample Type	Blows/6"	Description	OVM Reading (ppmv)	Analysis	Sample No.
	50		50/2"	CLAY (CL), with trace sand, damp, moderate yellowish brown (10YR 5/4), hard no odor or staining	0		
			50/5"	– Increasing sand (15%) no odor or staining	0		
	55		16–16 16–24	CLAY (CL), with trace sand, damp, moderate yellowish brown (10YR 5/4), stiff no odor or staining	0		
			14–15 19–20		0		
			14–23 19–24	Sandy CLAY (CL), with trace gravels, moist, light brown (5YR 5/6), very stiff, no odor or staining	0		
Bentonite	60 ▽		21–29 32–21	Sandy CLAY (CL), with trace gravels, moist, light brown (5YR 5/6), very stiff, no odor or staining	0		
				– increasing sand and gravels no odor or staining	0		
	65		17–25 28	CLAY (CL), with trace sand and gravel, damp, moderate brown (5YR 4/4), very stiff, no odor or staining	0		
	70		35–29 31	CLAY (CL), with trace sand, moist, moderate brown (5YR 4/4), very stiff, no odor or staining	0		
				Terminated boring at 70–bgs.			

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

SECOR INTERNATIONAL INCORPORATED
1515 EAST TROPICANA
LAS VEGAS, NEVADA 89119

LOG OF BORING

Montrose Chemical Corporation of California
Former Henderson, Nevada Facility
LAS VEGAS, NEVADA

FIGURE: 10
DATE: 11/30/99
PROJECT NO: 018.09826

boringlog

SECOR INTERNATIONAL INCORPORATED
LOG OF EXPLORATORY BORING

Project No. 018.71004.011 Date Drilled: 09/20/00 Logged By: M.R., Revised CP/gg.	Tot. Depth (ft.): 129 Drive wt. (lbs): 140 Drop Dist. (in.): 30 Casing Elev. (ft): N/A	Ground Elev. (ft.): N/A Groundwater Elev (ft.): ▽ 56 ▼ 119	BORING No. **CP-1** Sheet 1 of 6
Drilling Co: Water Development Drilling Method: Dresser Boring Dia. (in.): 12	Remarks: 4-inch well.		

Well Construction	Depth (ft.)	Sample Type	Blows per 6 in.	Graphic Log	Description	Volatile Reading (ppmv)	Sample Analysis	Sample Designation
Expandable, locking cap	5				WELL VAULT: Above ground well vault.			
	0				GRAVEL AND SAND: (SP) Bare, Soil cover, sands with gravels.			
					GRAVEL AND SAND: NOTE: Well is 4-inch nominal diameter, schedule 40 PVC blank and slotted (0.020-inch mill cut slots) casing.			
	-5		14-18,21		SANDS WITH GRAVELS: (SW) With some silt, dry, moderate yellowish brown (10YR 5/4), medium dense, no odor or staining.	0		
					SANDS WITH GRAVELS: - increasing gravel and size.			
Blank 40 Schedule PVC Casing	-10		38, 50/5"		CLAYEY SAND: (SC) With some gravels, dry, moderate brown (10YR 6/2), very stiff, no odor or staining.	0		
Concrete/ Grout	-15		50/4"		SILTY SAND: (SM) With gravels, dry, moderate yelowish brown (10YR 5/4), dense, no odor or staining.	0		
	-20		50/5"		GRAVEL AND SAND: (SW) With trace sile, damp, moderate yellowish brown, (10YR 5/4), very dense, no odor or staining.	0		

SECOR INTERNATIONAL INCORPORATED
LOG OF EXPLORATORY BORING

Project No. 018.71004.011
Date Drilled: 09/20/00
Logged By: M.R., Revised CP/gg.

Casing Elev. (ft): N/A
Groundwater Elev (ft.):
56
119

BORING No. **CP-1**
Sheet 2 of 6

Remarks: 4-inch well.

Well Construction	Depth (ft.)	Sample Type	Blows per 6 in.	Graphic Log	Description	Volatile Reading (ppmv)	Sample Analysis	Sample Designation
	-25		20-24,28		SANDY CLAY: (CL) With trace gravel, damp, moderate brown (5YR 4/4), very stiff, no odor or staining.	0		
	-30		21-28,32		CLAY: (CL) With some sand, damp, moderate brown (5YR 4/4), very stiff, no odor or staining.	0		
Blank 40 Schedule PVC Casing	-35		10-12,13		CLAY: (CL) With trace sand and gravels, damp, moderate brown (5YR 4/4), very stiff, no odor or staining.	0		
	-40		12-14,17		GRAVEL AND SAND: (SP) Increasing sand and gravel (10%/10%). Increase in moisture content, no odor or staining.	0		
	-45		9-8,11		CLAY: (CL) With some gravel, moist, moderate ywllowish brown (10YR 5/4), stiff, no odor or staining.			

SECOR INTERNATIONAL INCORPORATED
LOG OF EXPLORATORY BORING

Project No. 018.71004.011
Date Drilled: 09/20/00
Logged By: M.R., Revised CP/gg.

Casing Elev. (ft): N/A
Groundwater Elev (ft.):
56
119

BORING No. **CP-1**
Sheet 3 of 6

Remarks: 4-inch well.

Well Construction	Depth (ft.)	Sample Type	Blows per 6 in.	Graphic Log	Description	Volatile Reading (ppmv)	Sample Analysis	Sample Designation
Concrete/ Grout	-50		10-24,50/4		GRAVEL AND SAND: (GW) Sandy gravel with some clay, moist, moderate brown (5YR 4/4), dense, no odor or staining.	0		
	-55		24-22,39		CLAY: (CL) With some gravel, moist, moderate brown (5YR 4/4), very stiff, moderate odor and no staining.	570		
	-60		24-39,63		CLAY: (CL) With cemented nodules, moist, moderate yellowish brown (10YR 5/4), hard, faint odor and no staining.	162		
			21-28, 22-24		CLAYEY SAND: (SC) With gravels, moist, moderate yellowish brown (10YR 5/4), medium dense, no odor or staining.	489		
	-65		19-17, 27-17		CLAY: (CL) With trace milt, moist, moderate brown (5YR 4/4), very stiff, no odor or staining.			
			11-12, 19-17		CLAY: (CL) With trace silt, moist, moderate brown (5YR 4/4), very stiff, no odor or staining.	52		
			22-27, 32-34		CLAY: - trace gravels.	40		
					CLAY: (CL) With trace silt, moist, moderate brown (5YR 4/4), very stiff, no odor or staining.			
Blank 40 Schedule PVC Casing	-70				~~CLAY: (CL) With little silt and trace sands. Moderate yellowish~~ brown (10YR 5/4) to light brown (5YR 5/6), medium plasticity, firm, moist, strong odors. Fine sand grains. Trace gypsum lenses up to 1/8" in thickness. Decrease in odors around 77' bgs.			

SECOR INTERNATIONAL INCORPORATED
LOG OF EXPLORATORY BORING

Project No. 018.71004.011
Date Drilled: 09/20/00
Logged By: M.R., Revised CP/gg.

Casing Elev. (ft): N/A
Groundwater Elev (ft.):
56
119

BORING No. **CP-1**
Sheet 4 of 6

Remarks: 4-inch well.

Well Construction	Depth (ft.)	Sample Type	Blows per 6 in.	Graphic Log	Description	Volatile Reading (ppmv)	Sample Analysis	Sample Designation
	-75					49		
	-80				CLAY: (CL) With little silt, trace sands and trace gravels. Light brown (5YR 6/4) to light brown (5YR 5/6). high plasticity, soft to firm, moist.	13.3		
					CLAY: (CL) With trace sand. Light brown (5YR 5/6), low to medium plasticity, stiff to very stiff, moist, no odor. Less than 5% fine to medium grained sands.			
Concrete/ Grout	-85				SILTY CLAY: (CL) Light brown (5YR 5/6), low plasticity, very stiff to hard, dry to slightly moist, no odor.	9		
	-90	C			CLAY: (CL) With some silt and trace sand. Light brown (5YR 5/6) to moderate brown (5RY 4/4), medium plasticity, hard, moist. Thin gypsum lenses up to 1/8" in thickness.	0		CP-1-90
					SILTY CLAY: (CL) With trace sands and trace gravels. Light brown (5YR 5/6) to moderate brown (5YR 4/4), low to medium plasticity, hard, no odor. Less than 5% fine to coarse grained sands. Less than 1% subangular gravels up to 3/4" in diameter.			
	-95				CLAY: (CL) With some silt and trace sand. As described above. At 93.5 to 93.7-feet bgs, encounter greasy-like, black or dark grey speckles up to 1/16" in diameter. Speckles appear subangular and comprise approximately 2% of the matrix.	13.3		
					SAND: (SP) Moderate brown (5YR 3/4), poorly graded, loose, very			

SECOR INTERNATIONAL INCORPORATED
LOG OF EXPLORATORY BORING

Project No. 018.71004.011
Date Drilled: 09/20/00
Logged By: M.R., Revised CP/gg.

Casing Elev. (ft): N/A
Groundwater Elev (ft.): 56 / 119

BORING No. **CP-1**
Sheet 5 of 6

Remarks: 4-inch well.

Well Construction	Depth (ft.)	Sample Type	Blows per 6 in.	Graphic Log	Description	Volatile Reading (ppmv)	Sample Analysis	Sample Designation
	-100				moist, staining?, coarse sand grains			
					SAND and CLAY lenses: (SP and CL)	6547		
					SAND: (SP) Moderate brown (5YR 3/4), poorly graded, loose, wet, very strong odors, staining. Coarse grained sands. Grades into silty sand. (Slippery orangish-brownish liquid in sandy matrix. After sand was placed in sample jar, the unknown liquid oxidized to a red color.)			
					SILTY CLAY: (CL) With some sand. Light brown (5YR 5/6) to moderate brown (5YR 4/4), low to medium plasticity, hard, slightly moist.			
	-105				SANDY CLAY: (CL) With trace gravels. Light brown (5YR 5/6) to moderate brown (5YR 4/4), medium plasticity, stiff to hard, moist. Fine to medium grained sands. Subangular to subrounded gravels up to 1/2" in diameter. Trace gypsum lenses.	80		
Bentonite Chips								
Blank 40 Schedule PVC Casing	-110	C			SANDY CLAY: (CL to SC) With trace gravels. Same color, medum to high plasticity (CL), very stiff (CL)/dense (SC), moist. subrounded gravels up to 1.5" in diameter.	0		CP-1-110
No. 3 Sand Pack	-115				SANDY CLAY: (CL) Same color, medium to high plasticity, very stiff, moist.	0		
					CLAYEY SAND WITH SILT: (SM) With trace gravels. Same color, moderately sorted, coarse to medium grained sands, loose, very moist to wet. Subangular gravels up to 1.5" in diameter.			
40 Schedule 0.02 Slotted Screen	-120				SANDY CLAY: and SILTY SAND with little clay lenses.	0		
					CLAYEY SAND WITH SILT: (SM) As described above.			
					CLAY: (CL) With some silt and trace sand. Light brown (5YR 5/6) to moderate brown (5YR 4/4), high plasticity, firm, moist.			
					SAND: (SP) Pale orange (10YR 8/2), poorly graded, loose, moist, fine grained sands.			
Cap	-125				CLAY: (CL) With some silt and trace sand. As described above.			

SECOR INTERNATIONAL INCORPORATED
LOG OF EXPLORATORY BORING

Project No. 018.71004.011
Date Drilled: 09/20/00
Logged By: M.R., Revised CP/gg.

Casing Elev. (ft): N/A
Groundwater Elev (ft.):
56
119

BORING No. **CP-1**
Sheet 6 of 6

Remarks: 4-inch well.

Well Construction	Depth (ft.)	Sample Type	Blows per 6 in.	Graphic Log	Description	Volatile Reading (ppmv)	Sample Analysis	Sample Designation
	-130	C			Boring terminated at 129 feet bgs.	0		CP-1-128

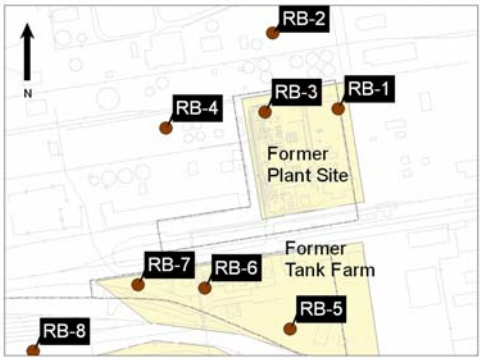
Montrose Chemical Corporation Henderson, NV

Figure B-15

Lithologic log for: RB-05

Northing 26716346.087
Easting 825742.560
LS Elev. (ft) 1824.68
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 150
Depth to Water (ft) N/A
Date 10/02/06 - 10/03/06

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0	722/ 1.2		SP	SAND with Silt, trace Gravel, 85% sand, 10% silt, 5% gravel, brown (7.5YR, 5/4), loose, slightly moist; sand ranges from coarse- to fine-grained, predominantly fine-grained, angular, occasional basalt cobble. At 20 feet hard conglomerate, silica cement appears.	PID instrument down (0 - 6 feet bls)
	111.5/ 0.15				
5	326/ -				
	0.4/ 1.52				
10	0.2/ 1.87				8" diameter bore hole
	0.9/ 2.40				
	1.2/ 1.84				
15	1.3/ 3.04				
	7.9/ 3.20				
20	3.9/ 6.95				
	7.9/ 0.81		SM-SP / SM	Silty SAND, 80% sand, 20% silt, pale brown (10YR, 8/3). Sand is fine grained grading to silt.	
	4.1/ 1.09		SM	Silty SAND, 60% sand, 40% silt, brown (7.5YR, 5/4). Sand is very fine grained grading to silt, angular contains veins of caliche.	
25	3.5/ 2.70		SM	Silty SAND, 70% sand, 30% silt, light brown (7.5YR, 7/4). Sand is moist, very fine grained grading to silt. Contains concretions of caliche.	
	2.8/ 1.67		SP	Silty SAND, 85% sand, 15% silt, brown (7.5YR 5/4). Dense, moist. Sand is very fine grained grading to silt contains grains of caliche.	
30	2.5/ 1.45			SAND with silt, 90% sand, 10% silt, brown (7.5YR 5/4). Loose, moist, angular, medium sized grains.	
	2.4/ 1.40			Silty SAND, 85% sand, 15% silt brown (7.5YR 5/4).	

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PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By BRW

Lithologic log for: RB-05

Figure B-15

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
35	1.4/ 2.87		SM	Loose to medium density, sand is very fine grained grading to silt.	
	1.4/ 1.87		SP	SAND with trace of silt, 95% Sand 5% silt, light brown (7.5YR 6/3). Loose sand angular medium sized grains.	
	20.8/ 3.50		SM	Clayey-silty SAND, 80% Sand 20% Clayey silt, brown (7.5YR 5/4). Moderately dense, angular sand is fine grained grading to silt.	
40	2.0/ 1.67		SM	Clayey-silty SAND 60% sand, 40% clayey silt, brown (7.5YR 5/4). Moderately dense, angular sand is fine grained grading to silt.	
	2.1/ 4.09		SM	At 41 feet nodules of caliche appear.	
	1.1/ 4.86		SM	Silty SAND 80% sand 20% silt, brown (7.5YR 5/3). Dense, sand medium grained	
45	4.1/ 4.97		SM	Silty SAND 60% sand, 40% silt, brown (7.5YR 5/4). Moderately dense, sand is very fine grained grading to silt.	
	0.0/ 3.98		ML	Sandy SILT 80% silt, 20% sand, brown (7.5YR 6/4). Moderately dense, sand very fine grained grading to silt, caliche nodules present.	
50	245/ 9.45		ML	Sandy clayey-SILT 70% silt, 30% sand, brown (7.5YR 5/4). very dense, plasticity low to none caliche nodules present.	
	107/ 19.25		SM	Silty SAND 75% sand, 25% silt, light brown (7.5YR 4/3). Soft, sand is fine grained grading to silt.	
	279/ 7.26		ML	Sandy clayey-SILT 80% clayey-silt, 20% sand, brown (7.5YR 5/4). Dense, plasticity moderate to high, caliche nodules present.	
55	47/ 4.9		ML	55-56 feet is a clayey-silt	
	208/ 16.7		ML	Silty SAND 60% sand, 40% silt, light brown (7.5YR 6/4). Sand is very fine grained. Caliche nodules present.	
60	380/ 26.42		SM	Silty SAND 80% sand, 20% silt, brown (7.5YR 5/4) soft, sand is fine grained.	
	247/ 9625		SM	SAND with silt 90% sand 10% silt, multicolored grains. Loose, grains ranging from coarse to fine grained, angular.	
	40.4/ 16.47		SP	Sandy SILT 70% silt, 30% sand, brown (7.5YR 5/4). Dense moderate plasticity, sand is fine grained grading to silt.	
65	9.34/ 48.12		ML	Silty SAND 80% sand 20% silt brown (7.5YR 5/3) loose, sand is medium grained, angular.	
	9.8/ 170		ML	Sandy clayey-SILT 80% silt, 20% sand, brown (7.5YR 5/3). Dense, moderate plasticity, caliche nodules present. Veins of black material present.	
	14.7/ 49.6		SM		
70	9.7/ 211		ML		
	26/ 180		ML		
75	6.8/ 86		ML		
	72/		ML		

Lithologic log for: RB-05

Figure B-15

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
	309				
80	82/ 427		ML	Clayey-SILT with trace sand, 95% silt, 5% sand, brown (7.5YR 5/4). Dense, moderate plasticity. Caliche nodules present. Layers/stringers of silty-clay.	
	38.5/ 92.0				
	22.7/ 3.62				
85	30.8/ 2.81		ML	Clayey-SILT 100% silt, brown (7.5YR 4/4). Dense, moderate plasticity. Caliche nodules present. Layers/stringers of silty-clay.	
	1.6/ 2.83				
90	0.0/ 1.42				
	0.0/ 2.03		ML	Clayey-SILT 100% silt, brown (7.5YR 5/4). Dense, moderate plasticity. Caliche nodules present.	
	0.0/ 0.54		ML	Clayey-SILT 100% silt, brown (7.5YR 4/4). Dense, moderate plasticity. Caliche nodules present. Layers/stringers of silty-clay.	
95	0.3/ 1.01		ML	Sandy clayey-SILT 85% silt, 15% sand, pale brown (10YR 6/3). Dense moderate plasticity.	
	1.3/ 1.12				
100	1.4/ 0.84		ML	Clayey SILT 100% silt, brown (7.5YR 5/3). Dense, moderate plasticity. Caliche nodules present. Rusty looking/oxidized grains present. Manganese veins present.	
	2.5/ 0.87				
	1.4/ 0.88		SM	Silty SAND 60% sand, 40% silt , brown (7.5YR 5/3) loose to moderate density, sand medium grained grading to silt. Caliche concretions present.	
105	1.7/ 0.73		ML	Clayey-SILT 100% silt pale brown (10YR 6/3) Dense, moderate to high plasticity.	
	1.2/ 0.80		ML	Clayey-SILT 100% silt brown (7.5YR 5/3) Dense, moderate to high plasticity.	
110	3.1/ 1.37		SM	Sandy SILT 60% silt, 40% sand brown (7.5YR 5/3). Dense, non plastic, sand is very fine grained grading to silt. Caliche nodules present.	
	3.2/ 1.20				
	1.2/ 0.76		ML	Clayey-SILT 100% silt, brown (7.5YR 5/3). Dense moderate to high plasticity, caliche nodules present.	
115	2.2/ 1.16			No recovery	
120	0.7/ 0.57			Clayey-SILT 100% silt, brown (7.5YR 5/3). Dense moderate to high plasticity, caliche nodules present.	
	1.86/ 1.02				

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Lithologic log for: RB-05

Figure B-15

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
	2.8/ 0.61		ML		
125	2.1/ 0.94				
	2.65/ 1.90				
			SM	Gravelly-silty-SAND, cobbles, 55% sand, 20% silt, 15% gravel. 10% cobbles, brown (7.5YR 5/3) with multicolored grains. Loose, sand coarse to fine grained, predominately fine grained. 4" cobble basaly, sub-rounded, thich (1/4") coat of caliche. Gravel is also coated or partially coated with caliche.	
130	3.6/ 1.22				
	0.8/ 0.87				
	1.8/ 0.97			Clayey-SILT 100% silt, brown (7.5YR 5/3). Dense, moderate to high plasticity. Caliche nodules present.	
135	1.7/ 1.73				
	1.9/ 0.70				
140	1.5/ 0.97		ML		
	2.4/ 0.95				
	2.3/ 1.07				
145	2.1/ 1.12				
	2.8/ 0.40				
150	2.6/ 0.91				Total Depth = 150 feet bls

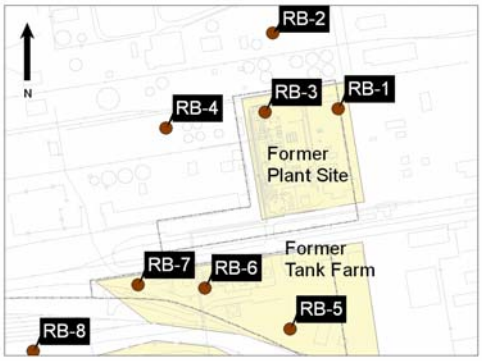
Montrose Chemical Corporation Henderson, NV

Figure B-16

Lithologic log for: RB-06

Northing 26716485.637
Easting 825461.127
LS Elev. (ft) 1823.00
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 150
Depth to Water (ft) N/A
Date 10/04/06 - 10/05/06

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0	0.9/ 1.79		SP	Gravelly SAND with Silt, Cobbles, 70% sand, 15% gravel, 10% silt, 5% cobbles, pale brown, (10YR, 6/3), loose, slightly moist; sand, predominantly fine-grained, angular, cobbles & gravel, basalt, sub-angular, coated with caliche. From 3- to 6 feet: light brown (7.5YR, 6/4) From 6- to 8 feet: brown (7.5YR, 5/4)	8" diameter bore hole
	0.9/ 1.86				
5	1.1/ 1.90				
	0.8/ 2.11				
10	0.2/ 2.16				
	0.7/ 3.01				
	0.6/ 2.11				
15	0.5/ 1.47		SP	Gravelly SAND, trace Silt, occasional Cobbles, brown (7.5YR, 4/3) with multi-colored grains, loose, slightly moist; sand, coarse-grained grading to fine-grained, predominantly medium-grained, angular, basalt.	
	0.5/ 1.49				
20	0.7/ 4.62				
	0.5/ 5.08				
	1.2/ 5.20				
25	0.9/ 10.01		SP	SAND with Silt, 90% sand, 10% silt, (7.5YR, 6/4), loose, slightly moist; sand ranges from coarse-grained to fine-grained, predominantly fine-grained, angular. At 27- to 28 feet: caliche nodules.	
	0.8/ 12.6		SM	Silty SAND, 60% sand, 40% silt, strong brown,(7.5YR, 5/6), moderately dense, slightly moist; sand, fine-grained grading to silt.	
30	1.2/ 17.91				
	3.4/ 30.12				

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Lithologic log for: RB-06

Figure B-16

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
	0.5/ 11.21		SP	SAND, trace Silt, 95% sand, 5% silt, light brown (7.5YR, 6/4), loose, slightly moist; sand, predominantly fine-grained, angular.	
35	1.1/ 14.60		ML		
			SP	Sandy SILT, 80% silt, 20% sand, (7.5YR, 5/4), moderately dense, low plasticity.	
	5.5/ 30.6		ML	Gravelly SAND, trace Silt, occasional Cobbles, brown (7.5YR, 4/3) with multi-colored grains, loose, slightly moist; sand, coarse-grained grading to fine-grained, predominantly medium-grained, angular, basalt.	
40	2.7/ 24.7		ML	CLAYEY-SILT, strong brown, (7.5YR, 5/6), moderately dense, moderate- to high plasticity.	
	4.1/ 20.05				
	11.1/ 60.04			CLAYEY-SILT, strong brown, (7.5YR, 5/6), moderately dense, moderate plasticity.	
45	11.5/ 87.75		SM	Silty SAND, 85% sand, 15% silt, brown (7.5YR, 5/4), loose to moderately dense, sand, predominantly medium-grained.	
	7.4/ 76.4		ML	CLAYEY-SILT with Sand, (7.5YR, 5/4), soft, moderately plastic. Caliche nodules.	
50	3.1/ 55.17		ML	Sandy SILT, 60% silt, 40% sand, brown, (7.5YR, 5/4), soft, plasticity: low- to none. Caliche nodules.	
	41.9/ 163		SP	Gravelly SAND with Silt, 75% sand, 15% gravel, 10% silt, (7.5YR, 3/4) with multi-colored grains, loose, wet, strong chemical odor; sand ranges from coarse-grained to fine-grained, predominantly medium grained, angular, basalt.	
	84.4/ 470		ML	CLAYEY-SILT, brown, (7.5YR, 4/4), dense to moderately dense, moderate- to high plasticity, chemical odor. caliche nodules. At 56- to 57.5 feet: Caliche. Light brown, (7.5YR, 6/3), Caliche nodules in a matrix of caliche with texture of clayey-silt.	
55	94.0/ 175				
	35.6/ 93.0				
60	147/ 532				
	238/ 1167				
	299/ 3075		ML	CLAYEY-SILT, brown, (7.5YR, 5/4), dense, moderately plastic, chemical odor. Caliche nodules.	
65	480/ 3165				
	346/ 1646				
70	481/ 3556				
	674/ 4015		ML	Sandy SILT, 60% silt, 40% sand, (7.5YR, 5/4), loose to moderately dense, non-plastic.	
	1211/ 4921			CLAYEY-SILT, brown, (7.5YR, 5/4), dense, moderately plastic, chemical odor. Caliche nodules. At 75.5- to 76 feet: lenses/blebs of very fine-grained sand, light yellowish-brown.	
75	530/ 5636				

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Lithologic log for: RB-06

Figure B-16

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
	456/ 4548		ML		
80	1235/ 3500				
	1201/ 8102				
	1653/ >10000		ML	Sandy CLAYEY-SILT, 85% clayey-silt, 15% sand, (7.5YR, 6/4), with finely disseminated caliche grains, gravel-sized fragments/nodules of caliche.	
85	1331/ 5075				
	807/ 7957		ML	Sandy CLAYEY-SILT, 85% clayey-silt, 15% sand, brown, (7.5YR, 5/3), moderately dense, moderate- to high plasticity. Occasional caliche nodules and layers of caliche nodules throughout this interval.	
90	868/ 6798				
	3862/ >10000				
	4976/ >10000		ML	CLAYEY-SILT, brown, (7.5YR, 5/3), dense, moderate- to high plasticity. Occasional caliche nodules.	
95	727/ 4926				
	339/ 1604		ML	Sandy SILT, 60% silt, 40% sand, (7.5YR, 5/3), moderately dense, non-plastic.	
100	472/ 2112		ML	CLAYEY-SILT, brown, (7.5YR, 5/3), dense, moderate- to high plasticity. Occasional caliche nodules. At 103- to 105 feet, 109- to 111.5 feet: Sandy Silt, 60% sand, 40% silt.	DNAPL detected at 101 feet bls (stained FLuTE ribbon) PID/FID (ppm) = 2956/8144
	335/ 1720				
	314/ 781				
105	386/ 2326				
	223/ 1152				
110	566/ 2760				
	376/ 2180				
	55/ 521				
115	138/ 427			CLAYEY-SILT, reddish-brown, (5YR, 5/4), soft to moderately dense, moderate plasticity, contains concretions, caliche nodules. At 137- to 137.5': soft mudstone	
	29.3/ 45.2				
120	1.9/ 6.53				

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> = greater than

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Lithologic log for: RB-06

Figure B-16

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
	19.6/ 20.72				
	11.7/ 34.3				
125					
	1.0/ 2.66				
	0.3/ 1.65				
130	0.8/ 5.2				
	49.0/ 83.0		ML		
	4.8/ 3.51				
135					
	68.8/ 157				
	7.4/ 12.43				
140	1.2/ 0.72				
	2.4/ 0.72				
	1.1/ 0.99				
145					
	1.4/ 5.81				
	0.4/ 0.40				
150	2.8/ 8.02				Total Depth = 150 feet bls

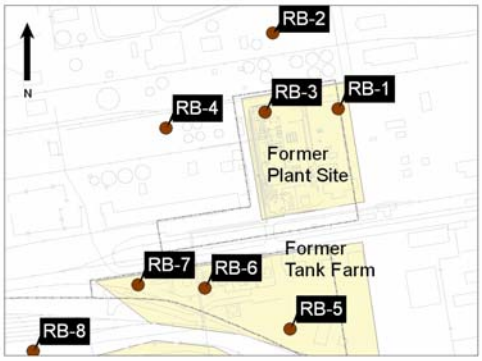
Montrose Chemical Corporation Henderson, NV

Figure B-17

Lithologic log for: RB-07

Northing 26716495.356
Easting 825238.561
LS Elev. (ft) 1822.14
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 150
Depth to Water (ft) N/A
Date 10/09/06 - 10/10/06

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0			SP	Gravelly SAND, with Silt, occasional Cobbles, 70% sand, 15% gravel, 10% silt, 5% cobbles, brown, (7.5YR, 5/4), loose, dry- to slightly moist; sand, very fine-grained, angular, gravel & cobbles coated with caliche. At 25- to 25.5': hard layer of caliche.	
	5.4/ 0.74				
	5.4/ 0.68				
5	5.2/ 0.79		SP	SAND, with Silt, trace Gravel, 85% sand, 10% silt, 5% gravel, brown, (7.5YR, 5/3) with multicolored grains, loose, slightly moist; sand, predominantly medium-grained, coarse fraction coated with caliche.	
	2.6/ 0.70				
10	0.8/ 0.90				8" diameter bore hole
	0.5/ 0.90				
	0.2/ 0.08			Gravelly SAND, trace Silt, 75% sand, 20% gravel, 5% silt, brown, (7.5YR, 5/3), loose, slightly moist; sand, predominantly medium-grained, angular; coarse fraction, angular, coated with caliche.	
15	0.4/ 1.03				
	0.6/ 0.96				
20	3.3/ 0.86		SM		
	2.8/ 2.16				
	3.8/ 2.62				
25	0.2/ 1.68				
	4.4/ 2.63			SAND, with Silt, 90% sand, 10% silt, brown, (7.5YR, 5/3), loose to moderately dense, slightly moist; sand, predominantly fine-grained. At 32.5- to 33 feet: caliche layer.	
30	6.3/ 2.16		SP		
	1.1/ 1.27				

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Lithologic log for: RB-07

Figure B-17

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
	0.5/ 1.3				
35			ML	SILT with Sand, brown, (7.5YR, 5/4), soft to moderately dense, low plasticity.	
	4.8/ 4.57				
	0.0/ 3.56		SP	SAND, with Silt, 90% sand, 10% silt, brown, (7.5YR, 5/3), dense, weakly cemented; slightly moist; sand, predominantly fine-grained.	
40	1.2/ 2.93				
	0.3/ 5.61		ML	CLAYEY-SILT, brown (7.5YR, 4/4), soft, moderate- to high plasticity. Finely disseminated caliche throughout this interval. At 45.5- to 46 feet: caliche-rich zone.	
	2.3/ 8.23				
45	2.2/ 10.12		ML	Sandy CLAYEY-SILT, 85% clayey-silt, 15% sand, brown (7.5YR, 4/4), soft, moderate- to high plasticity; sand, fine-grained grading to silt.	
	3.3/ 44.40		SW	Gravelly SAND, occasional Cobbles, 15% gravel, 80% sand, <5% cobbles, brown, (7.5YR, 5/4), with multicolored grains, loose, wet; sand, coarse-grained grading to fine-grained, angular, basalt, coarse fraction coated with caliche.	
50	4.9/ 49.55		ML	CLAYEY-SILT, brown, (7.5YR, 5/4), moderately dense to dense, moderate- to high plasticity, caliche nodules present, caliche-rich zone from 51.5- to 52 feet.	
	5.8/ 98.35				
	16.2/ 97.46		ML	Sandy SILT, 60% sand, 40% silt, brown (7.5YR, 4/4), soft, low plasticity; sand, fine-grained grading to silt.	
55	23.6/ 195		ML	Sandy CLAYEY-SILT, 20% sand, 80% clayey-silt, (7.5YR, 6/3), soft, moderate- to high plasticity: sand, coarse-grained grading to silt, predominantly fine-grained.	
	34.7/ 165				
60	15.7/ 193				
	24.3/ 231		ML	CLAYEY-SILT brown, (7.5YR, 5/4), moderately dense, low plasticity.	
	27.9/ 239				
65	12.8/ 120		SM	Silty SAND, 60% sand, 40% silt, brown, (7.5YR, 5/4), soft; sand, fine-grained grading to silt.	
	9.6/ 75.23		SP	SAND, trace Silt, 95% sand, 5% silt, dark brown, (7.5YYR, 3/2) with multicolored grains, loose; sand, medium-grained to coarse-grained, angular, basalt.	
70	6.5/ 38.32			CLAYEY-SILT, brown, (7.5YR, 5/3) dense, moderate- to high plasticity, Manganese grains, caliche nodules.	
	75.8/ 905				
	163/ 1403				
75	194/ 1128				

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Lithologic log for: RB-07

Figure B-17

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
	103/ 408		ML		
80	50.8/ 163				
	41.3/ 245				
	36.6/ 162				
85	150/ 201				
	135/ 467				
90	273/ 669		ML	Sandy CLAYEY-SILT, (7.5YR, 5/4), dense, moderate plasticity. At 90 feet: caliche nodules.	
	443/ 1355		ML	CLAYEY-SILT, brown, (7.5YR, 5/3) dense, moderate- to high plasticity, Manganese grains, caliche nodules.	
	1106/ 3518		ML	Sandy CLAYEY-SILT, (7.5YR, 5/4), dense, moderate plasticity. At 90 feet: caliche nodules.	
95	3101/ 4706			CLAYEY-SILT, brown, (7.5YR, 5/3) dense, moderate- to high plasticity, Manganese grains, caliche nodules.	
	787/ 1151		ML		
100	708/ 1960				
	4079/ 6195		ML	CLAYEY-SILT, brown, (7.5YR, 5/3), dense to very dense, weakly cemented, concretions present.	
	1153/ 3663				
105	198/ 955		ML	CLAYEY-SILT, brown, (7.5YR, 5/3) dense, moderate- to high plasticity, manganese grains, caliche nodules. At 105.5- to 106.5 feet: caliche nodules.	
	202/ 518				
110	33.8/ 80.20				
	13.1/ 29.36				
	7.2/ 14.01				
115	1.1/ 0.35				
	0.7/ 0.46				
120	0.4/ 0.54				

Lithologic log for: RB-07

Figure B-17

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
	0.5/ 1.90				
	0.1/ 0.35			Sandy CLAYEY-SILT, 85% clayey-silt, 15% sand, (7.5YR, 4/4), dense, moderate to high plasticity. Thin layers and stringers of caliche grains and nodules present throughout this interval.	
125	0.9 0.90				
	0.1/ 0.46		ML		
130	0.1/ 0.45				
	0.1/ 0.83				
	0.2/ 0.62			CLAYEY-SILT with Sand, 90% clayey-silt, 10% sand, brown, (7.5YR, 5/3), moderately dense to dense, low to moderate plasticity. Caliche stringers throughout this interval.	
135	1.3/ 3.52				
	0.5/ 0.47				
140	0.2/ 0.46				
	0.7/ 0.68		ML		
	1.0/ 1.20				
145	0.7/ 0.45				
	0.2/ 0.26				
150	0.2/ 0.41				Total Depth = 150 feet bls

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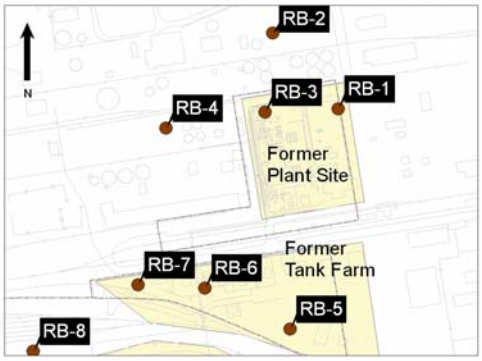
Figure B-18

Lithologic log for: RB-08

Northing 26716270.746
Easting 824890.496
LS Elev. (ft) 1825.33
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 150
Depth to Water (ft) N/A
Date 10/11/06 - 10/12/06

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0	1.2/ 1.02		SP	SAND, with Silt, with Gravel & Cobbles, brown, (7.5YR, 5/3), loose, slightly moist; sand ranges from fine-grained to coarse-grained, predominantly medium-grained, angular, basalt.	8" diameter bore hole
	1.1/ 0.82				
5	1.7/ 0.47				
	1.4/ 0.63				
10	0.5/ 0.78				
	0.1/ 0.40				
	0.1/ 0.67				
15	0.5/ 0.59				
	0.3/ 0.76				
20	0.2/ 0.30				
	0.30/ 1.60				
	0.5/ 0.70				
25	0.70/ 3.01		ML	Sandy SILT, 85% silt, 15% sand, brown, (7.5YR, 5/4), loose to moderately dense, plasticity: moderate to none, slightly moist; sand, very fine-grained grading to silt. At 32 feet: concretions.	
	0.9/ 2.07				
30	0.8/ 2.22				
	1.2/ 5.47				

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Lithologic log for: RB-08

Figure B-18

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
	0.7/ 4.35				
35	1.3/ 3.40		SM	Silty SAND, 85% sand, 15% silt, brown (7.5YR, 5/3), loose; sand, coarse-grained and fine-grained, angular to subangular.	
	0.9/ 7.02		ML	Sandy SILT, 60% 40% silt, brown, (7.5YR, 5/3), loose to moderately dense, moderately plastic.	
40	0.3/ 4.97			CLAYEY-SILT, trace Sand, 95% clayey-silt, 5% sand, brown, (7.5YR, 4/4) dense, moderate- to high plasticity. Caliche nodules present.	
	3.0/ 13.25		ML		
	0.5/ 10.22				
45	0.2/ 7.52		SM	Silty SAND, 85% sand, 15% silt, brown (7.5YR, 5/3), loose; sand, coarse-grained and fine-grained, angular to subangular.	
	4.0/ 8.77		ML	CLAYEY-SILT, trace Sand, 95% clayey-silt, 5% sand, brown, (7.5YR, 4/4) dense, moderate- to high plasticity. Caliche nodules present.	
50	0.5/ 4.52				
	0.5/ 2.68				
	1.7/ 2.62		SM	Sandy SILT, trace Gravel, 75% silt, 20% sand, 5% gravel, brown, (7.5YR, 5/3) with multicolored grains, soft, moderate- to high plasticity; sand ranges from coarse-grained to fine-grained. Concretions.	
55	0.1/ 1.27				
	0.6/ 1.62		ML	Sandy CLAYEY-SILT, 85% clayey-silt, 15% sand, brown, (7.5YR, 5/4), soft to medium- dense, moderately plastic, slightly moist; sand ranges from coarse-grained to fine-grained, predominantly fine-grained. Pockets of rusty-colored, fine-grained sand (< 1/8-inch diameter) within this interval. Manganese grains.	
60	1.1/ 2.90				
	0.3/ 8.20				
	2.6/ 16.92			CLAYEY-SILT, brown, (7.5YR, 5/4), dense to very dense, high plasticity.	
65	3.4/ 13.97			At 68 feet: caliche nodules.	
	0.3/ 8.79			At 77 feet: gradational contact with caliche layer.	
			ML		
70	0.1/ 1.72				
	0.9/ 1.24				
	11.1/ 1.27				
75	0.8/ 0.47				

Lithologic log for: RB-08

Figure B-18

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
	0.2/ 0.74				
			ML	Comprised of caliche. Texturally: clayey-silt, pink, (7.5YR, 7/3). Approximately 90% caliche.	
80	1.6/ 0.46				
	0.8/ 0.64		ML	CLAYEY-SILT, brown, (7.5YR, 5/4), dense, high plasticity. At 80.5- to 81 feet: caliche nodules.	
	0.6/0.45				
85					
	0.1/ 0.55		ML	Comprised of ~ 50% caliche, 50% clayey-silt. Texturally: clayey-silt, pink, (7.5YR, 7/3). Caliche fraction decreases with depth throughout this interval.	
	0.2/0.90				
90	0.1/ 0.84			CLAYEY-SILT, brown, (7.5YR, 5/4), moderately dense to dense, moderate to high plasticity. Caliche nodules in .5-foot layers and stringers throughout this interval.	
	0.2/ 0.70				
	0.5/ 0.78				
95	0.4/ 0.74				
	0.2/ 0.82				
100	0.1/ 1.12				
	0.4/ 0.65				
	0.6/ 1.24				
105	0.4/ 1.21				
	0.1/ 0.70		ML		
110	0.1/ 0.50				
	0.7/ -				
	1.3/ -				
115	0.8/ -				Hydrogen exhausted in FID, no FID readings from 112 to 120 feet
	0.4/ -				
120	1.2/ -				

Lithologic log for: RB-08

Figure B-18

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
	0.6/ 0.48				
	0.3/ 0.25				
125	0.4/ 0.54				
	0.1/ 0.51			Sandy CLAYEY-SILT, brown, (7.5YR, 5/4), soft to moderately dense, moderate to high plasticity; Caliche nodules in .5-foot layers and stringers throughout this interval.	
130	0.5/ 0.56				
	0.4/ 0.36				
	0.4/ 0.64				
135	0.3/ 0.62				
	0.2/ 0.86		ML		
140	0.1/ 0.68				
	0.2/ 1.20				
	0.1/ 0.66				
145	0.5/ 0.84				
	0.2/ 1.05				
150	0.1/ 0.42				Total Depth = 150 feet bls

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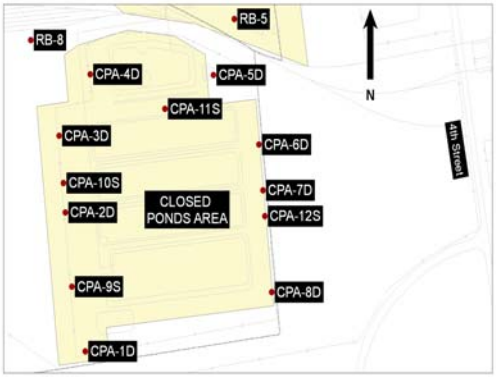
Figure B-22

Lithologic log for: CPA-01D

Northing 26715156.048
Easting 825118.866
LS Elev. (ft) 1849.27
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 50
Depth to Water (ft) N/A
Date 11/7/2006

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0			SP	Gravelly SAND, with Silt, 50% sand, 40% gravel, 10% silt, pale brown, (10YR, 6/3) with multicolored grains, loose, dry; sand, coarse-grained grading to fine-grained.	
5			SM	Gravelly Silty SAND, 65% sand, 20% silt, 15% gravel, pinkish-gray, (7.5YR, 6/2), loose, dry; sand, coarse-grained to fine-grained, angular.	
			SP	SAND, trace Gravel, trace Silt, 90% sand, 5% gravel, 5% silt, light brown, (7.5YR, 6/4), loose, dry; sand, coarse-grained grading to fine-grained.	
			GP		
10			SP	Sandy GRAVEL, trace Silt, 65% gravel, 30% sand, 5% silt, pinkish-gray, (7.5YR, 6/2) with multicolored grains, loose, dry; sand, coarse-grained to fine-grained.	
				Gravelly SAND, with Silt, 75% sand, 15% gravel, 10% silt, light brown, (7.5YR, 6/3) with multi-colored grains, loose, dry; sand, coarse-grained grading to fine-grained. Coarser with depth throughout this interval.	
15			SM	Silty SAND, trace gravel, 65% sand, 30% silt, 5% gravel, light brown, (7.5YR, 6/3), loose, dry/slightly moist; sand, predominantly fine-grained.	
20			ML	Sandy SILT, 80% silt, 20% sand, light brown, (7.5YR, 6/4), loose/soft, low plasticity, dry/slightly moist; sand, medium-grained to fine-grained.	
25					

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Lithologic log for: CPA-01D

Figure B-22

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
			SP	Silty SAND, trace Gravel, 75% sand, 20% silt, 5% gravel, brown, (7.5YR, 5/3), loose, dry/slightly moist; sand, fine-grained to coarse-grained.	
30			SM	Silty SAND, trace Gravel, 75% sand, 20% silt, 5% gravel, brown, (7.5YR, 5/3), loose, dry/slightly moist; sand, coarse-grained to fine-grained.	
35			SP	SAND, with gravel, trace Silt, occasional Cobble, 85% sand, 10% gravel, 5% silt, brown, (7.5YR, 5/4), loose, dry/slightly moist; sand, coarse-grained to fine-grained, predominantly fine-grained.	
40			CL	SILTY CLAY, brown, (7.5YR, 5/4), soft, low plasticity, slightly moist.	
45					
50					Total Depth = 50 feet

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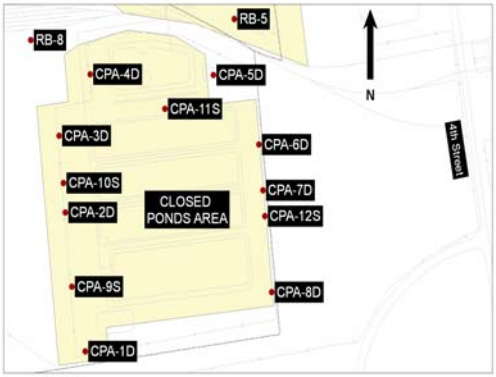
Figure B-23

Lithologic log for: CPA-02D

Northing 26715653.837
Easting 825034.969
LS Elev. (ft) 1841.622
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 50
Depth to Water (ft) N/A
Date 11/14/2006

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0			SP	SAND, trace Silt, trace Gravel, 90% sand, 5% silt, 5% gravel, brown, (7.5YR, 5/4), loose, slightly moist, no odor; sand, coarse-grained to fine-grained, predominantly fine-grained. Gravel increases with depth throughout this interval.	
5	0.24/ 8.01				
10	0.56/ 9.23		SP	Gravelly SAND, with Cobbles, trace Silt, 55% sand, 30% gravel, 10% cobbles, 5% silt, brown, (7.5YR, 5/4), loose, slightly moist, no odor; sand, coarse-grained to fine-grained, predominantly fine-grained. Coarse-grained fraction is coated with caliche.	
15	27.7/ 4.81		SP	SAND with Gravel, trace Silt, 85% sand, 10% gravel, 5% silt, brown, (7.5YR, 5/4), loose, slightly moist, no odor; sand, coarse-grained to fine-grained, predominantly fine-grained.	
20	0.31/ 11.98		SP	SAND with Gravel, trace Silt, 85% sand, 10% gravel, 5% silt, pink, (7.5YR, 7/3), loose, slightly moist no odor; sand, coarse-grained to fine-grained, predominantly fine-grained. Disseminated fine-grained caliche throughout this interval.	
25	6.7/ 31.30				

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Lithologic log for: CPA-02D

Figure B-23

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
30	14.32/ 35.18		SM	Silty SAND, 60% sand, 40% silt, pink, (7.5YR, 7/3), firm to moderately dense, dry, no odor; sand, very fine-grained grading to silt. 32- to 33 feet: well cemented, hard.	
35	20.43/ 15.68		SP	SAND with Gravel, occasional cobbles, 85% sand, 10% gravel, 5% cobbles, light brown, (7.5YR, 6/3), loose, slightly moist no odor; sand, coarse-grained to fine-grained, predominantly fine-grained. Fragments of well-cemented sand within this interval.	
40	12.43/ 52.78		ML	Sandy SILT, 60% silt, 40% sand, brown, (7.5YR, 4/4), moderately dense, slightly moist, no odor; sand, very fine-grained grading to silt. Stringers of clayey-silt, this interval, fragments of moderately well-cemented silt this interval.	
45	16.37/ 102.48		ML	Silty SAND, 60%sand, 40% silt, brown, (7.5YR, 4/4), firm, slightly moist, no odor; sand, very fine-grained grading to silt. 46 feet: caliche fragments.	
50	19.91/ 84.82				Total Depth = 50 feet

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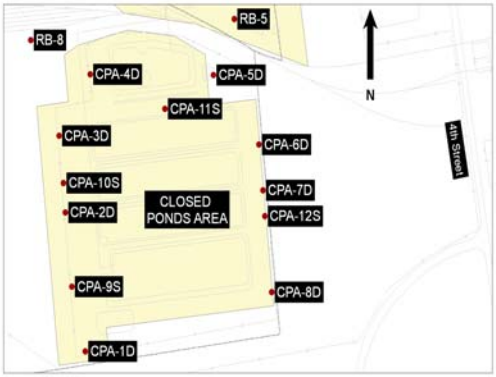
Figure B-24

Lithologic log for: CPA-03D

Northing 26715927.604
Easting 825009.427
LS Elev. (ft) 1836.068
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 50
Depth to Water (ft) N/A
Date 11/15/2006

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0			SP	Gravelly SAND, trace Silt, occasional Cobbles, 70% sand, 25% gravel & cobbles, 5% silt, light brown, (7.5YR, 6/4), loose, slightly moist, no odor; sand, coarse-grained to fine-grained, predominantly fine-grained, angular, basalt, coarse-grained fraction coated with caliche. 5- to 15 feet: disseminated caliche.	
5	0.01/ 4.92				
10	0.00/ 3.69				
15	0.00/ 3.94		SM	SAND with Silt, 90% sand, 10% silt, light gray, (7.5YR, 7/1), dense, weakly cemented, dry; sand, very fine-grained. Disseminated caliche throughout this interval.	
20	2.30/ 5.20		SP	Gravelly SAND, with Silt, 55% sand, 40% gravel, 5% silt, light brown, (7.5YR, 6/3), loose, slightly moist, no odor; sand, coarse-grained to fine-grained, predominantly fine-grained, angular, basalt. Coarse fraction coated with caliche. 21- to 23 feet: occasional cobbles.	
25	3.50/ 5.10			Gravelly SAND, trace Silt, occasional Cobbles, 70% sand, 25% gravel & cobbles, 5% silt, light brown, (7.5YR, 6/4), loose, slightly moist, no odor; sand, coarse-grained to fine-grained, predominantly fine-grained, angular, basalt, coarse-grained fraction coated with caliche. Disseminated caliche throughout this interval.	

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Lithologic log for: CPA-03D

Figure B-24

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
30	1.40/ 5.23		SP		
35	6.70/ 8.28				
			ML	Sandy SILT, 60% silt, 40% sand, brown, (7.5YR, 5/4), loose to firm, slightly moist, no odor; sand, very fine-grained grading to silt.	
			SP	Gravelly SAND, trace Silt, occasional Cobbles, 70% sand, 25% gravel & cobbles, 5% silt, light brown, (7.5YR, 6/4), loose, slightly moist, no odor; sand, coarse-grained to fine-grained, predominantly fine-grained, angular, basalt, coarse-grained fraction coated with caliche. Disseminated caliche throughout this interval.	
40	0.05/ No FID		ML		
			ML	CLAYEY-SILT, brown, (7.5YR, 4/4), firm to moderately dense, moderate to high plasticity, moist, no odor.	
45	0.00/ No FID		ML	CLAYEY-SILT, brown, (7.5YR, 4/4) mottled with light brown, (7.5YR, 6/3), mottling is due to abundant caliche present this interval; firm to moderately dense, moderate to high plasticity, moist, no odor.	
				CLAYEY-SILT, brown, (7.5YR, 4/4), firm to moderately dense, moderate to high plasticity, moist, no odor.	
50	1.52/ No FID				Total Depth = 50 feet

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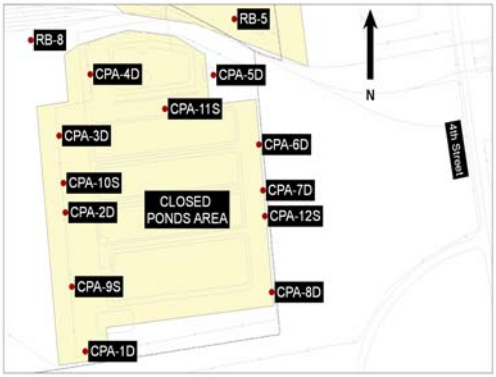
Figure B-25

Lithologic log for: CPA-4D

Northing 26716148.184
Easting 825139.123
LS Elev. (ft) 1831.336
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 50
Depth to Water (ft) N/A
Date 11/16/06

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0			SP	Gravelly SAND, trace Silt, occasional Cobbles, 75% sand, 15% gravel, 5% silt, 5% cobbles, brown (7.5YR 5/3), loose, slightly moist; sand, coarse- to fine-grained, predominantly fine grained, coarse-grained fraction coated with caliche.	
5	0.4/ 10.75				
10	1.2/ 8.40		SP	Sandy GRAVEL and Cobbles, trace Silt, 45% sand, 40% gravel and cobbles, 5% silt, light brown (7.5YR 6/3), loose, slightly moist; sand, coarse- to fine-grained, predominantly fine-grained, cobbles ~ 6-inch, basalt, coated with caliche.	
15	3.5/ 14.75		SP	Gravelly SAND, trace Silt, occasional Cobbles, 75% sand, 15% gravel, 5% silt, 5% cobbles, brown (7.5YR 5/3), loose, slightly moist; sand, coarse- to fine-grained, predominantly fine grained, coarse-grained fraction coated with caliche.	
20	1.9/ 64.28				
25	1.5/ 68.32		SP-SM	Caliche Zone, 100% caliche	
			SP		
			SP-SM	SAND, trace silt, 95% sand, 5% silt, pink, (7.5YR 8/3), slightly moist; sand, very fine-grained.	
				Caliche Zone, 100% caliche	

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Lithologic log for: CPA-4D

Figure B-25

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
30	7.9/ 31.72		SP	SAND, trace silt, 95% sand, 5% silt, brown, (7.5YR 5/4), slightly moist; sand, very fine-grained. At 28-feet: gravel stringer. At 29-feet: Clayey silt stringer.	
			SP	SAND, with gravel, trace silt, 85% sand, 10% gravel, 5% silt, brown (7.5YR 5/4), very weakly cemented; sand, fine-grained.	
35	32.30/ 134		ML	Sandy SILT, 60% silt, 40% sand, brown 7.5YR 5/4), soft to moderately dense, low to no plasticity, slightly moist; sand, very fine-grained, caliche nodules.	
40	41.5/ 164		SM	Silty SAND, 60% sand, 40% silt, brown (7.5YR 5/4), loose, slightly moist. At 38-feet: Caliche stringer	
45	30.2/ 248		ML	Clayey SILT, 100% silt, brown (7.5YR 5/4), soft, moist, moderate to high plasticity.	
50	28.0/ 322				Total Depth = 50 feet

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FID = Flame Ionization Detector
> = greater than

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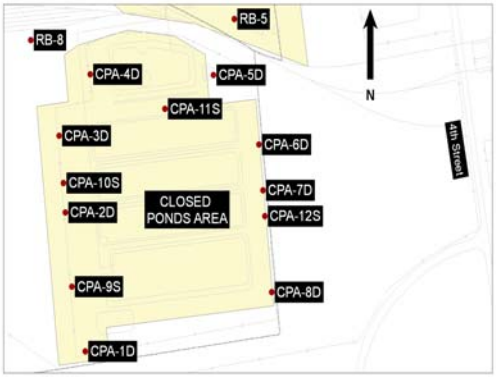
Figure B-26

Lithologic log for: CPA-05D

Northing 26716146.116
Easting 825656.044
LS Elev. (ft) 1829.135
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 50
Depth to Water (ft) N/A
Date 11/16/2006

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0	1.8/ 3.13		SP	Gravelly SAND, with Silt, occasional Cobbles, 65% sand, 15% gravel, 5% silt, 5% cobbles, brown, (7.5YR, 5/3), firm to loose, very weakly cemented, slightly moist; sand, coarse-grained to fine-grained, predominantly fine-grained.	
5	1.8/ 6.34		SP	Gravelly SAND trace Silt, occasional Cobbles, 75% sand, 15% gravel, 5% silt, 5% cobbles, brown, (7.5YR, 5/3), loose, slightly moist; sand, coarse-grained to fine grained, predominantly fine-grained, angular.	
10	2.3/ 6.30				
15	7.8/ 11.63		SP	Gravelly SAND, trace Silt, occasional Cobbles, 75% sand, 15% gravel, 5% silt, 5% cobbles, brown, (7.5YR, 5/3), loose, slightly moist; sand, coarse-grained to fine grained, predominantly fine-grained, approximately 30% of sand consists of coarse-grained, angular basalt fragments.	
20	2.6/ 8.34				
			SM	Silty SAND, 60% sand, 40% silt, light brown, (7.5YR, 6/4), firm, slightly moist; sand, very fine-grained grading to silt.	
25	5.5/ 36.28		SP	SAND with Silt, 95% sand, 5% silt, light brown, (7.5YR, 6/3), firm to loose, very weakly cemented, slightly moist; sand, very fine-grained grading to silt. Abundant disseminated caliche.	

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Lithologic log for: CPA-05D

Figure B-26

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
30	5.9/ 34.40		ML	Sandy SILT, 60% silt, 40% sand, brown, (7.5YR, 5/4), firm, low plasticity.	
			SP	SAND with Silt, 95% sand, 5% silt, light brown, (7.5YR, 6/3), firm to loose, very weakly cemented, slightly moist; sand, very fine-grained grading to silt. Abundant disseminated caliche.	
35	8.31/ 27.28		ML	Sandy SILT, 60% sand, 40% silt, brown, (7.5YR, 5/4), firm to medium-dense, moderate- to high plasticity.	
40	19.2/ 22.40		SP	SAND with Silt, trace Gravel, 85% sand, 10% silt, 5% gravel, brown, (7.5YR, 5/4) with multicolored grains, loose, slightly moist; sand, coarse-grained grading to fine-grained, predominantly medium-grained.	
45	5.6/ 55.78		ML	CLAYEY-SILT, brown, (7.5YR, 4/4), firm to moderately dense, moderate- to high plasticity. Caliche nodules.	
50	6.2/ 48.7				Total Depth = 50 feet

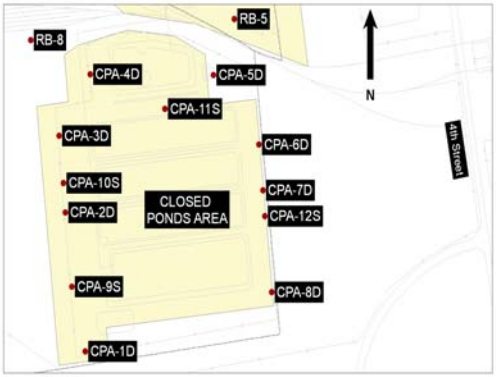
Montrose Chemical Corporation Henderson, NV

Figure B-27

Lithologic log for: CPA-06D

Northing 26715896.352
Easting 825846.18
LS Elev. (ft) 1835.056
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 50
Depth to Water (ft) N/A
Date 11/17/2006

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0			SP	Gravelly SAND, trace Silt, 80% sand, 15% gravel, 5% silt, brown (7.5YR 5/4), loose, slightly moist; sand, coarse- to fine-grained, predominantly fine-grained. At 5-feet: begin occasional cobbles	
5	1.8/ 6.84				
10	1.2/ 5.03		SP	Gravelly SAND, trace Silt, occasional Cobbles, 75% sand, 15% gravel, 5% silt, 5% cobbles, brown (7.5YR 5/4), loose; sand, coarse- to fine-grained, predominantly fine-grained. Approximately 20% sand fraction is coarse-grained (~1/8-inch) angular basalt fragments. At 14-feet: well cemented sand fragments/concretion. At 15-20-feet: sand, finer with depth in this interval.	
15	3.5/ 11.08				
20	26.1/ 54.23		SM	Silty SAND trace Gravel, 75% sand, 20% silt, 5% gravel, light brown (7.5YR 6/4), very weakly cemented, slightly moist; sand, coarse- to fine-grained, predominantly fine-grained. Accumulations of fine-grained sand-textured material (white 7.5YR 8/1) does not react to HCl. Poorly developed gypsum crystals occurrences.	
25	15.50/ 38.32				

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Lithologic log for: CPA-06D

Figure B-27

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
			ML	Clayey SILT 100% silt brown (7.5YR 4/4), soft to firm, slightly moist, moderate to high plasticity.	
30	13.10/ 21.34		ML	Sandy SILT, 60% silt, 40% sand, brown (7.5YR 4/4), moderately dense, dry to slightly moist; sand, fine-grained to silt. Abundant caliche nodules.	
			SP	Gravelly SAND, trace Silt, occasional Cobbles, 75% sand, 15% gravel, 5% silt, 5% cobbles, brown (7.5YR 5/4), loose; sand, coarse- to fine-grained, predominantly fine-grained. Approximately 20% sand fraction is coarse-grained (~1/8-inch) angular, basalt fragments.	
			ML		
35	14.6/ 22.38		SP	Clayey SILT, 100% silt brown (7.5YR 4/4), moderately dense, moderate to high plasticity. At 34-feet: thin (~1/8-inch) layers of caliche	
			SP	Gravelly SAND, trace Silt, occasional Cobbles, 75% sand, 15% gravel, 5% silt, 5% cobbles, brown (7.5YR 5/4), loose; sand, coarse- to fine-grained, predominantly fine-grained. Approximately 20% sand fraction is coarse-grained (~1/8-inch) angular, basalt fragments.	
			SM		
40	6.4/ 9.78		SP		
			ML	SAND trace Silt, 95% sand, 5% silt; sand, medium-grained.	
			SM	Silty SAND, 60% sand, 40% silt, brown (7.5YR 4/4), soft, low to moderate plasticity.	
45	5.5/ 47.34		ML	SAND trace Silt, 95% sand, 5% silt; sand, medium-grained. Contains concretions/cemented sand. Caliche nodules present. Clayey SILT, 100% silt, brown (7.5YR 4/4), moderately dense, moderate to high plasticity. Silty SAND, 70% sand, 30% silt, brown (7.5YR 4/4), loose to firm; sand, fine-grained to silt.	
50	6.7/ 36.40			Clayey SILT, 100% silt, brown (7.5 YR 4/4) dense, moderate to high plasticity, caliche nodules present.	Total Depth = 50 feet

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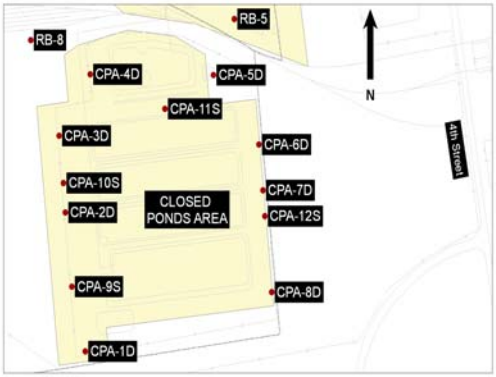
Figure B-28

Lithologic log for: CPA-07D

Northing 26715733.381
Easting 825861.975
LS Elev. (ft) 1839.015
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 50
Depth to Water (ft) N/A
Date 11/27/06

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0			SW-SM	SAND, with Gravel, with Silt, 80% sand, 10% gravel, 10% silt, brown (7.5YR 5/4), loose, dry; sand, coarse- to fine-grained.	
5	0.38/ 0.88				
10	3.5/ 1.25				
15	3.83/ 4.40				
20	31.2/ 21.0		SM	Silty SAND, trace Gravel, 65% sand, 30% silt, 5% gravel, light brown (7.5Yr 6/4), loose, dry; sand, coarse- to fine-grained, predominantly fine-grained. At 23.5-24-feet: Caliche	
25	24.6/ 10.5				

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Lithologic log for: CPA-07D

Figure B-28

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
30	4.42/ 3.6				
35	4.46/ 3.89		ML	Sandy SILT, 70% silt, 30% sand, light brown (7.5YR 6/4), moist; sand, very fine-grained.	
40	10.5/ 39.2		SM	Silty SAND, 65% sand, 35% silt, brown (7.5YR 4/4), loose, moist; sand, coarse- to fine-grained, predominantly fine-grained.	
			ML	SILT, trace Sand, 95% silt, 5% sand, brown (7.5YR 4/4), soft, moist, non plastic.	
45	23.5/ 25.4		SM	Silty SAND, 65% sand, 35% silt, brown (7.5YR 4/4); sand, coarse- to fine-grained, predominantly fine-grained.	
			ML	SILT, trace Sand, 95% silt, 5% sand, brown (7.5YR 4/4), hard, moist, non plastic.	
50	18.9/ 29.3				Total Depth = 50 feet

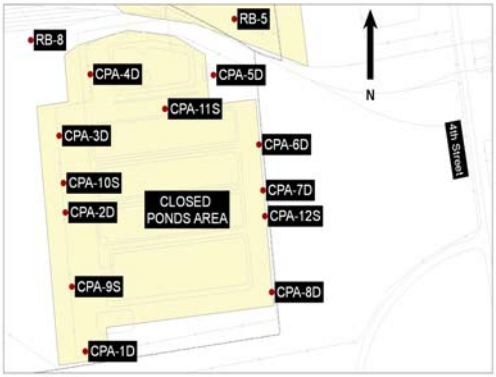
Montrose Chemical Corporation Henderson, NV

Figure B-29

Lithologic log for: CPA-08D

Northing 26715367.709
Easting 825898.552
LS Elev. (ft) 1845.296
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 50
Depth to Water (ft) N/A
Date 11/27/06

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0			SW-SM	SAND, with Gravel, with silt, 80% sand, 10% gravel, 10% silt, brown (7.5YR 5/4), loose, dry; sand, coarse- to fine-grained, predominantly fine-grained.	
5	4.3/ 2.5				
10	4.9/ 0.75				
15	5.6/ 0.20				
			SM	Silty SAND, trace Gravel, 55% sand, 40% silt, 5% gravel, brown (7.5YR 5/4), hard; sand, coarse- to fine-grained, predominantly fine-grained, abundant caliche.	
20	5.60/ 0.70		ML	SILT, with Sand, 90% silt, 10% sand, brown (7.5YR 5/4), hard, dry, non plastic; sand, fine-grained, caliche present.	

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Lithologic log for: CPA-08D

Figure B-29

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Comments
25	5.43/ -				At 25-50 feet: FID flame out, high winds may be keeping flame from staying lit.
			ML	Sandy SILT, 70% silt, 30%, brown (7.5YR 5/4), hard, dry, non plastic; sand, fine-grained.	
30	5.74/ -				
35	5.48/ -				
			SM	Silty SAND, trace Gravel, 60% sand, 35% silt, 5% gravel, brown (7.5YR 5/4), loose; sand, fine-grained.	
40	7.03/ -				
			ML	Sandy SILT, 60% silt, 40% sand, brown (7.5YR 5/4), moist, firm, low plasticity; sand, medium- to fine-grained, predominantly fine-grained.	
45	7.36/ -				
50	7..32/ -				Total Depth = 50 feet

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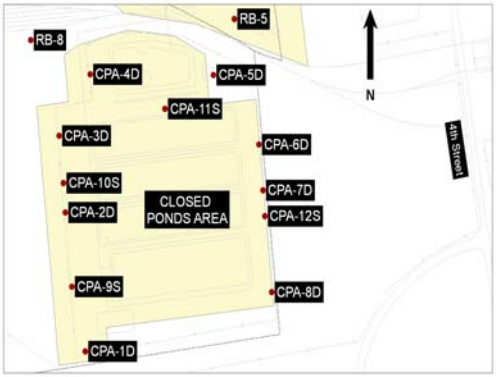
Figure B-30

Lithologic log for: CPA-09S

Northing 26715387.515
Easting 825063.356
LS Elev. (ft) 1845.013
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 10
Depth to Water (ft) N/A
Date 11/7/2006

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0			SP	Gravelly SAND, 80% sand, 20% gravel, multi-colored grains, loose, dry; sand, coarse-grained grading to fine-grained, angular to subangular.	
			SM	Silty SAND, trace Gravel, 80% sand, 15% silt, 5% gravel, light brown, (7.5YR, 6/3), loose, dry; sand, coarse-grained to fine-grained, gravel, coarse-grained to fine-grained.	
			SP	Gravelly SAND, 60% sand, 40% gravel, light brown, (7.5YR, 6/3), loose, dry; sand, coarse-grained to fine-grained, gravel, coarse-grained to fine-grained.	
5	0.1/ 1.21		SM	Silty SAND, trace Gravel, 80% sand, 15% silt, 5% gravel, (7.5YR, 6/3), loose, dry; sand, coarse-grained to fine-grained, occasional cobbles.	
10	0.8/ 0.81				Total Depth = 10 feet

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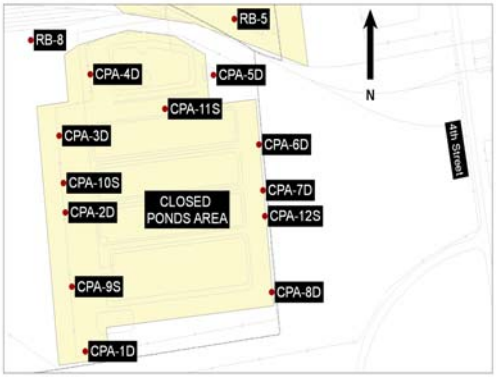
Figure B-31

Lithologic log for: CPA-10S

Northing 26715759.01
Easting 825027.708
LS Elev. (ft) 1839.793
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 10
Depth to Water (ft) N/A
Date 11/15/2006

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0	0.10/ 3.31		SP	Gravelly SAND, trace Silt, occasional Cobbles, 60% sand, 30% gravel, 5% silt, 5% cobbles, brown, (7.5YR, 5/3), loose, slightly moist, no odor; sand, coarse-grained to fine-grained, predominantly fine-grained, angular, basalt, coarse-grained fraction coated with caliche.	
5	1.60/ 5.58		SP	Gravelly SAND, trace Silt, 75% sand, 20% gravel, 5% silt, light brown, (7.5YR, 6/3), loose, slightly moist, no odor; sand, coarse-grained to fine-grained, predominantly fine-grained, angular, basalt. At 9.5- to 9.75 feet: basalt fragments coated with caliche.	
10	0.04/ 3.64				Total Depth = 10 feet

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FID = Flame Ionization Detector
> = greater than

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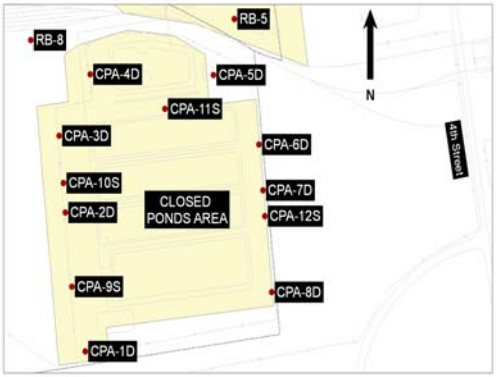
Figure B-33

Lithologic log for: CPA-12S

Northing 26715640.226
Easting 825869.966
LS Elev. (ft) 1841.301
Ref. Pnt. N/A
Ref. Pnt. Elev. (ft) N/A
Total Depth (ft) 10
Depth to Water (ft) N/A
Date 11/15/2006

Drill Method RotoSonic
Sampling Method N/A
Diameter of Casing N/A
Type of Casing N/A
Slot Size N/A
Filter N/A



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Comments
0				Gravelly SAND, trace Silt, 80% sand, 15% gravel, 5% silt, brown, (7.5YR, 5/3), loose, slightly moist; sand, coarse-grained grading to fine-grained, predominantly fine-grained.	
5	8.7/ 26.90		SP		
10	6.3/ 19.38				Total Depth = 10 feet

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-20**	**SHEET**	**1 OF 5**
START DRILL DATE	Jun 16, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 17, 08	**GROUND SURF.**	1813.63
LOCATION	Henderson, NV	**TOP OF CASING**	1816.23
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	Boring location cleared to 5' bgs with hand auger.				1813							
					1812							
	Poorly Graded SAND with Silt and Gravel (SP-SM): reddish brown (5YR 5/3); moist; 75% fine- to coarse-grained sand, 15% subrounded fine to coarse gravel (≤6 cm), 10% Silt; unconsolidated.				1811							
					1810							
	@ 4' bgs: Cobbles (≤13 cm).				1809							
5					1808					6.8		
					1807							
					1806							
					1805							
					1804							
10					1803					2.0		
					1802							
					1801							
					1800							
					1799							
15					1798					1.1		
					1797							
					1796							
	@ 18' bgs: Poorly Graded SAND with Silt and Gravel (SP-SM): cobble size decreases to ≤9 cm.				1795							
					1794							
20					1793					1.9		
	@ 20.5' bgs: Silty SAND (SM): reddish brown (5YR 5/3); moist; 75% fine- to coarse-grained sand, 15% Silt, 10% fine to coarse subrounded to subangular gravel (≤5 cm); unconsolidated.				1792							
					1791							
	SILT (ML): light reddish brown (5YR 6/3); moist; 90% clay, 10% fine-grained sand; firm.				1790							
					1789							
25	@ 25 bgs: SILT (ML): caliche nodules / fragments (≤2 cm).				1788					0.1		
					1787							
					1786							
	Well Graded SAND (SW): dark reddish gray (5YR 4/2); moist; 90% fine- to coarse-grained sand, 5% silt, 5% fine gravel (≤2 cm); caliche nodules (≤2 cm); unconsolidated.			▽	1785							
30					1784							

CONTRACTOR	Boart Longyear	**NORTHING**	26716567.82
EQUIPMENT		**EASTING**	824824.72
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

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Fax: (714) 969-0820

GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-20**	**SHEET**	**2 OF 5**
START DRILL DATE	Jun 16, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 17, 08	**GROUND SURF.**	1813.63
LOCATION	Henderson, NV	**TOP OF CASING**	1816.23
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	SILT (ML): reddish brown (5YR 5/3); wet; 95% silt, 5% fine-grained sand; non-plastic; firm; caliche fragments (≤2 cm).				1783					0.3		
					1782							
	@ 32' bgs: SILT (ML): low plasticity.				1781							
	Poorly Graded SAND (SP): reddish gray (5YR 5/2); wet; 95% fine- to medium-grained sand, 5% silt; unconsolidated.				1780							
					1779							
35	SILT (ML): reddish brown (5YR 5/3); wet; 95% silt, 5% fine-grained sand; firm; caliche fragments (≤2 cm).				1778					3.9		
					1777							
	Lean CLAY (CL): reddish brown (5YR 5/3); wet; 100% Clay; low to medium plasticity; firm; caliche fragments (≤2 cm).				1776							
	@ 37.5' bgs: Approximate 3" layer of weathered caliche.				1775							
					1774							
40	SILT (ML): reddish brown (5YR 5/3); wet; 100% Silt; non-plastic; firm; caliche nodules (≤2.5 cm).				1773					33.1		Stop drilling @ 40' bgs on 6.16.08 Resume drilling on 6.17.08
					1772							
	@ 42' bgs: SILT (ML): increased clay; medium plasticity.				1771							
					1770							
					1769							
45					1768					133		
					1767							
	@ 47' bgs: SILT (ML): 95% silt, 5% fine-grained sand.				1766							
					1765							
					1764							
50					1763					112		
					1762							
					1761							
					1760							
					1759							
55	@ 55' bgs: SILT (ML): reddish brown (5YR 5/3); low plasticity; slightly firm.				1758					266		
					1757							
	@ 57' bgs: SILT (ML): non-plastic to low plasticity; firm.				1756							
					1755							
60					1754							

CONTRACTOR	Boart Longyear	**NORTHING**	26716567.82
EQUIPMENT		**EASTING**	824824.72
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-20**	**SHEET**	**3 OF 5**
START DRILL DATE	Jun 16, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 17, 08	**GROUND SURF.**	1813.63
LOCATION	Henderson, NV	**TOP OF CASING**	1816.23
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	@ 60' bgs: SILT (ML): 90% silt, 10% fine-grained sand.				1753					324		
	@ 61' bgs: SILT (ML): caliche nodules increase to ≤3 cm.				1752							
					1751							
					1750							
					1749							
65					1748					104		
	@ 66' bgs: SILT (ML): irregular shaped caliche nodules (≤7.5 cm).				1747							
					1746							
					1745							
					1744							
70					1743					88.3		
					1742							
	@ 72' bgs: SILT (ML): reddish brown (5YR 5/3).				1741							
					1740							
					1739							
75	Caliche layer from 75-75.5' bgs.				1738					48.1		
					1737							
					1736							
	@ 78' bgs: SILT (ML): reddish gray (5YR 5/2); wet; 90% silt, 10% fine-grained sand; non-plastic; hard; irregular shaped caliche fragments (≤5.5 cm).				1735							
					1734							
80					1733					82.5		
					1732							
					1731							
					1730							
					1729							
85					1728					488		
					1727							
	Lean CLAY (CL): reddish brown (5YR 5/3); wet; 100% clay; non-plastic; soft.				1726							
	SILT (ML): reddish brown (5YR 4/3); wet; 100% silt; non-plastic; very firm.				1725							
90					1724							

CONTRACTOR	Boart Longyear	**NORTHING**	26716567.82
EQUIPMENT		**EASTING**	824824.72
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	Nevada State Plane NAD83 East
DIAMETER	8 inch		
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-20**	**SHEET**	**4 OF 5**
START DRILL DATE	Jun 16, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 17, 08	**GROUND SURF.**	1813.63
LOCATION	Henderson, NV	**TOP OF CASING**	1816.23
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
					1723					932		
					1722							
	@ 91.5' bgs: SILT (ML): caliche nodules (≤14 cm).				1721							
	@ 93' bgs: SILT (ML): low plasticity.				1720							
	Lean CLAY (CL): reddish gray (5YR 5/2); wet; 95% clay, 5% fine-grained sand; low plasticity; hard; caliche nodules (≤3.5 cm).				1719							
95					1718					10.1		
	SILT (ML): reddish gray (5YR 5/2); wet; 100% silt; non-plastic; firm; irregular shaped caliche fragments (≤5 cm).				1717							
					1716							
	@ 98' bgs: SILT (ML): trace fine-grained sand; caliche nodules increase to ≤15 cm.				1715							
					1714							
100					1713					470		
	@ 100.5'-101' bgs: Caliche layer. @ 101' bgs: SILT (ML): reddish gray (5YR 5/2); wet; 100% silt; non-plastic; firm; irregular shaped caliche fragments (≤5 cm).				1712							
					1711							
					1710							
					1709							
105					1708					1372		
					1707							
					1706							
	@ 108' bgs: SILT (ML): caliche ≤5 cm.				1705							
					1704							
110					1703					250		
					1702							
					1701							
	@ 113' bgs: Caliche layer ~1.5" thick.				1700							
	Lean CLAY (CL): reddish brown (5YR 5/4); wet; 95% clay, 5% fine-grained sand; medium plasticity; firm; caliche nodule (≤5 cm).				1699							
115	Poorly Graded SAND with Clay (SP): reddish brown (5YR 4/3); wet; fine- to medium-grained sand, trace fine gravel; low density @ 114.5' bgs.				1698					402		
					1697							
	SILT (ML): reddish brown (5YR 5/4); wet; 100% silt; firm; low to medium plasticity ~1.5" caliche bed @ 117.5" bgs; irregular shaped caliche nodules (≤8 cm).				1696							
					1695							
120					1694							

CONTRACTOR	Boart Longyear	**NORTHING**	26716567.82
EQUIPMENT		**EASTING**	824824.72
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING AA-MW-20 **SHEET** 5 **OF** 5
START DRILL DATE Jun 16, 08
FINISH DRILL DATE Jun 17, 08
LOCATION Henderson, NV
PROJECT Montrose CPA
NUMBER HW0989C

ELEVATION DATA:
GROUND SURF. 1813.63
TOP OF CASING 1816.23
DATUM

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
					1693					305		
					1692							
					1691							
					1690							
					1689							
125					1688					173		
					1687							
	@ 127' bgs: SILT (ML): 95% silt, 5% fine-grained sand.				1686							
					1685							
	@ 129' bgs: SILT (ML): no sand.				1684							
130					1683					902		
					1682							
					1681							
	Silty SAND (SM): light reddish brown (5YR 6/4); wet; 65% fine-grained sand, 35% silt; dense; caliche nodules (≤5 cm).				1680							
					1679							
135					1678					306		
	SILT (ML): light reddish brown (5YR 6/3); wet; 95% silt, 5% fine grained sand; non-plastic; firm; irregular shaped caliche nodules (≤9 cm).				1677							
					1676							
					1675							
	@ 139' bgs: SILT (ML): with increasing Clay.				1674							
140					1673					289		
					1672							
					1671							
					1670							
					1669							
145	@ 145' bgs: SILT (ML): low plasticity; no sand.				1668					315		
					1667							
					1666							
					1665							
	Boring terminated @ 150' bgs.				1664					404		
150												

CONTRACTOR Boart Longyear
EQUIPMENT
DRILL MTHD Sonic
DIAMETER 8 inch
LOGGER K. Gadley

NORTHING 26716567.82
EASTING 824824.72
COORDINATE SYSTEM: Nevada State Plane NAD83 East
REVIEWER G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-21**	**SHEET**	**1 OF 5**
START DRILL DATE	Jul 1, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jul 1, 08	**GROUND SURF.**	1820.24
LOCATION	Henderson, NV	**TOP OF CASING**	1820.24
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	Boring location cleared to 5' bgs with hand auger.				1819							
					1818							
	Poorly Graded SAND with Silt (SP-SM): reddish brown (5YR 4/4); moist; 80% fine- to medium-grained sand, 10% silt, 10% fine gravel; unconsolidated.				1817							
					1816							
5	Silty SAND (SM): dark reddish brown (5YR 3/4); moist; 70% fine- to medium-grained sand, 30% silt; medium density.				1815					4.4		
					1814							
	Silty SAND with Gravel (SM): reddish brown (5YR 5/4); moist; 70% fine- to coarse-grained sand, 15% fine to coarse gravel, 15% silt; unconsolidated.				1813							
					1812							
					1811							
10					1810					1.6		
					1809							
					1808							
					1807							
					1806							
15	@ 15' bgs: Silty SAND with Gravel (SM): as above, trace cobbles (≤9 cm).				1805					6.4		
					1804							
					1803							
	@17.5' bgs: Silty SAND with Gravel (SM): as above, no cobbles.				1802							
					1801							
20					1800					1.2		
					1799							
					1798							
					1797							
					1796							
25					1795					11.8		
	SILT (ML): reddish brown (5YR 5/4); moist; 90% silt, 10% fine-grained sand; non-plastic; firm.				1794							
					1793							
	Poorly Graded SAND with Silt (SP-SM): reddish brown (5YR 4/4); moist; 80% fine- to medium-grained sand, 10% silt, 10% fine-grained gravel; unconsolidated.				1792							
					1791							
30	SILT (ML): reddish brown (5YR 5/4); moist;											

CONTRACTOR	Boart Longyear	**NORTHING**	26716594.46
EQUIPMENT		**EASTING**	825815.46
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-21**	**SHEET**	**2 OF 5**
START DRILL DATE	Jul 1, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jul 1, 08	**GROUND SURF.**	1820.24
LOCATION	Henderson, NV	**TOP OF CASING**	1820.24
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	90% silt, 10% fine-grained sand; non-plastic; firm.									11.3		
	@ 30' bgs: Poorly Graded SAND with Silt (SP-SM): reddish brown (5YR 5/4); moist; 80% fine- to medium-grained sand, 10% silt, 10% fine-grained gravel; unconsolidated.				1789							
	Silty SAND (SM): reddish brown (5YR 4/3); moist; 70% fine-grained sand, 30% silt; medium density.				1788							
35	SILT (ML): reddish brown (5YR 5/4); moist; 90% silt, 10% fine-grained sand; non-plastic; firm.				1787					9.5		
	@ 37' bgs: Sandy SILT (ML): light reddish brown (5YR 6/3); moist; 60% silt, 40% fine- to medium-grained sand; non-plastic; soft.				1786							
40	@ 40' bgs: SILT (ML): with Clay.				1785					0.2		
	Silty SAND (SM): reddish brown (5YR 4/3); moist; 65% fine-grained sand, 35% silt; medium density.				1784							
45	Poorly Graded SAND with Silt (SP-SM): dark reddish brown (5YR 3/3); moist; 90% fine- to medium-grained sand with trace coarse-grained sand, 10% silt; unconsolidated.				1783					3.6		
50				∇	1782					1.8		
	@ 53' bgs: Poorly Graded SAND with Silt (SP-SM): wet.				1781							
55	SILT (ML): reddish brown (5YR 5/4); wet; 95% silt, 5% fine-grained sand and irregular shaped caliche nodules; medium plasticity; firm.				1780					12.3		
60	Poorly Graded SAND with Silt (SP-SM): dark				1779							

CONTRACTOR	Boart Longyear	**NORTHING**	26716594.46
EQUIPMENT		**EASTING**	825815.46
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING AA-MW-21 **SHEET** 3 **OF** 5
START DRILL DATE Jul 1, 08
FINISH DRILL DATE Jul 1, 08
LOCATION Henderson, NV
PROJECT Montrose CPA
NUMBER HW0989C

ELEVATION DATA:
GROUND SURF. 1820.24
TOP OF CASING 1820.24
DATUM

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	reddish brown (5YR 3/3); wet; 90% fine- to medium-grained sand and coarse-grained sand, 10% silt; unconsolidated.				1759					15.5		
	Lean CLAY (CL): reddish brown (5YR 4/4); wet; non-plastic to low plasticity; stiff; trace irregular shaped caliche nodules (≤6 cm).				1758							
					1757							
					1756							
65	Sandy SILT (ML): reddish brown (5YR 5/4); wet; 70% silt, 30% fine-grained sand; non-plastic; stiff.				1755					30.3		
					1754							
	@ 67' bgs: SILT (ML): reddish brown (5YR 5/4); wet; 95% silt, 5% fine-grained sand and caliche nodules (≤7 cm); non-plastic; very stiff.				1753							
					1752							
					1751							
70					1750					32.9		
	@ 71' bgs: Sandy SILT (ML) with Clay: reddish brown (5YR 4/4); wet; 70% silt, 30% fine-grained sand; non-plastic; stiff.				1749							
	@ 72' bgs: SILT (ML): reddish brown (5YR 5/4); wet; 100% silt; non-plastic to low plasticity; very stiff.				1748							
					1747							
	@ 74' bgs: SILT (ML): caliche nodules (≤3 cm).				1746							
75					1745					35.6		
					1744							
	Lean CLAY (CL): reddish brown (5YR 5/4); wet; 100% clay; low to medium plasticity; very stiff.				1743							
					1742							
					1741							
80					1740					70.9		
					1739							
					1738							
					1737							
					1736							
85					1735					9.0		
	SILT (ML): reddish brown (5YR 5/4); wet; 100% silt; non-plastic to low plasticity; very stiff.				1734							
					1733							
					1732							
	Silty SAND (SM): reddish brown (5YR 5/3); wet; 60% fine-grained sand, 40% silt and clay;				1731							
90												

CONTRACTOR Boart Longyear
EQUIPMENT
DRILL MTHD Sonic
DIAMETER 8 inch
LOGGER K. Gadley
REVIEWER G. Williams

NORTHING 26716594.46
EASTING 825815.46
COORDINATE SYSTEM: Nevada State Plane NAD83 East

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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BOREHOLE LOG

BORING	**AA-MW-21**	**SHEET**	**4 OF 5**
START DRILL DATE	Jul 1, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jul 1, 08	**GROUND SURF.**	1820.24
LOCATION	Henderson, NV	**TOP OF CASING**	1820.24
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	unconsolidated.									37.9		
	@ 90' bgs: SILT (ML): reddish brown (5YR 5/4); wet; 100% silt; non-plastic to low plasticity; very stiff.				1729							
					1728							
					1727							
					1726							
	@ 94' bgs: SILT (ML): caliche nodules (≤2.5 cm).											
95					1725					19.9		
					1724							
					1723							
					1722							
					1721							
	@ 99' bgs: SILT (ML): reddish brown (5YR 4/4); wet; 95% silt, 5% fine-grained sand; medium plasticity; stiff.											
100					1720					96.6		
	@ 100.5' bgs: Sandy SILT (ML): 70% silt, 30% fine-grained sand.				1719							
	@ 101.5' bgs: SILT (ML): reddish brown (5YR 4/3); wet; low plasticity; stiff; caliche nodules (≤5 cm).				1718							
					1717							
					1716							
	Silty SAND (SM): reddish brown (5YR 4/4); wet; 60% fine-grained sand, 40% silt; dense; caliche nodules (≤4 cm).											
105					1715					26.2		
	SILT (ML): reddish brown (5YR 4/3); wet; low plasticity; stiff; caliche nodules (≤5 cm).				1714							
					1713							
					1712							
					1711							
110					1710					39		
					1709							
					1708							
					1707							
	@ 113' bgs: Sandy SILT (ML): reddish brown (5YR 4/3); wet; 70% silt, 30% fine-grained sand; non-plastic; stiff; caliche nodules (≤3 cm).				1706							
115					1705					46.7		
					1704							
					1703							
	Silty SAND (SM): reddish brown (5YR 4/4); wet; 60% fine-grained sand, 40% silt; dense; caliche nodules (≤4 cm).				1702							
					1701							
120	SILT (ML): reddish brown (5YR 5/3); wet; 90% silt, 10% fine-grained sand; non-plastic; stiff.											

CONTRACTOR	Boart Longyear	**NORTHING**	26716594.46
EQUIPMENT		**EASTING**	825815.46
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING AA-MW-21 **SHEET** 5 **OF** 5
START DRILL DATE Jul 1, 08
FINISH DRILL DATE Jul 1, 08
LOCATION Henderson, NV
PROJECT Montrose CPA
NUMBER HW0989C

ELEVATION DATA:
GROUND SURF. 1820.24
TOP OF CASING 1820.24
DATUM

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
										0.7		
					1699							
					1698							
	@ 122' bgs: Sandy SILT (ML): reddish brown (5YR 4/3); wet; 70% silt, 30% fine-grained sand; non-plastic; stiff.				1697							
					1696							
	@ 124' bgs: SILT (ML): reddish brown (5YR 4/3); wet; 100% silt; low plasticity; stiff.											
125					1695					1.9		
					1694							
					1693							
					1692							
					1691							
130					1690					0.9		
					1689							
					1688							
					1687							
					1686							
135	@135' bgs: SILT (ML): irregular shaped caliche nodules (≤15 cm).				1685					16.9		
					1684							
					1683							
					1682							
	@ 138' bgs: Sandy SILT (ML): reddish brown (5YR 4/3); wet; 70% silt, 30% fine-grained sand; non-plastic; stiff.				1681							
140	@ 140' bgs: SILT (ML): reddish brown (5YR 4/3); wet; 100% silt; low plasticity; stiff.				1680					5.4		
					1679							
					1678							
					1677							
					1676							
145					1675					9.1		
					1674							
					1673							
					1672							
					1671							
	TD at 150' bgs.									0.3		
150												

CONTRACTOR Boart Longyear
EQUIPMENT
DRILL MTHD Sonic
DIAMETER 8 inch
LOGGER K. Gadley
NORTHING 26716594.46
EASTING 825815.46
COORDINATE SYSTEM: Nevada State Plane NAD83 East
REVIEWER G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-22**	**SHEET**	**1 OF 5**
START DRILL DATE	Jun 24, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 25, 08	**GROUND SURF.**	1822.02
LOCATION	Henderson, NV	**TOP OF CASING**	1824.58
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	Boring location cleared to 5' bgs with hand auger.				1821							
					1820							
					1819							
	Silty SAND (SM): reddish gray (5YR 5/2); moist; 80% fine- to coarse-grained sand, 15% silt, 5% fine gravel and trace cobbles (≤9 cm); unconsolidated.				1818							
5					1817					0.2		
					1816							
					1815							
					1814							
					1813							
10					1812					0.5		
	Silty SAND (SM): reddish brown (5YR 4/3); moist; 75% fine- to coarse-grained sand, 25% silt, trace fine to coarse gravel; unconsolidated.				1811							
					1810							
					1809							
					1808							
15					1807					1.1		
	Silty SAND (SM): dark reddish gray (5YR 5/2); moist; 85% fine- to coarse-grained sand, 15% silt, trace fine to coarse gravel and trace cobbles (≤8.5 cm); unconsolidated.				1806							
					1805							
					1804							
					1803							
20	Silty SAND (SM): reddish brown (5YR 4/3); moist; 70% fine- to coarse-grained sand, 25% silt, 5% fine- to coarse-grained gravel; loose.				1802					2.0		
					1801							
	Well Graded SAND with Silt and Gravel (SW-SM): reddish brown (5YR 5/3); moist; 75% fine- to coarse-grained sand, 15% fine to coarse gravel and trace cobbles (≤11 cm), 10% silt; unconsolidated.				1800							
					1799							
	Well Graded SAND with Silt (SW-SM): reddish brown (5YR 5/3); moist; 85% fine- to coarse-grained sand, 10% silt, 5% fine to coarse gravel; unconsolidated.				1798							
25					1797					1.2		
					1796							
	Well Graded SAND with Silt and Gravel (SW-SM): reddish brown (5YR 5/3); moist; 75% fine- to coarse-grained sand, 15% fine to coarse gravel and trace cobbles (≤11 cm), 10% silt; unconsolidated.				1795							
					1794							
	Sandy SILT (ML): light reddish- brown (5YR 6/3); moist; 60% silt, 40% fine- to coarse-grained sand; soft.				1793							
30												

CONTRACTOR	Boart Longyear	**NORTHING**	26716510.08
EQUIPMENT		**EASTING**	826019.40
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	Nevada State Plane NAD83 East
DIAMETER	8 inch		
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-22**	**SHEET**	**2 OF 5**
START DRILL DATE	Jun 24, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 25, 08	**GROUND SURF.**	1822.02
LOCATION	Henderson, NV	**TOP OF CASING**	1824.58
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	Silty SAND (SM): reddish brown (5YR 5/4); 70% fine- to coarse-grained sand, 25% silt, 5% fine to coarse gravel and cobbles; unconsolidated.				1791					0.7		
					1790							
					1789							
	Sandy SILT (ML): light reddish brown (5YR 6/3); moist; 60% silt, 40% fine- to coarse-grained sand; soft.				1788							
35	Silty SAND (SM): reddish brown (5YR 4/3); moist; 65% fine-grained sand, 35% silt; medium density. @ 36' bgs: Silty SAND (SM): trace clay.				1787					0.3		
					1786							
					1785							
					1784							
					1783							
40					1782					0.0		
	Poorly Graded SAND with Silt (SP-SM): dark reddish brown (5YR 3/3); 90% fine- to medium-grained sand with trace coarse-grained sand, 10% silt; unconsolidated.				1781							
					1780							
	Silty SAND (SM): reddish brown (5YR 4/4); moist; 70% fine-grained sand, 30% silt; medium density.				1779							
					1778							
45	Poorly Graded SAND with Silt (SP-SM): dark reddish brown (5YR 3/3); 90% fine- to medium-grained sand with trace coarse-grained sand, 10% silt; unconsolidated.				1777					13.8		
					1776							
	Silty SAND (SM): reddish brown (5YR 4/4); moist; 70% fine-grained sand, 30% silt; medium density. @ 43' bgs: Silty SAND (SM): trace clay.			∇	1775							
					1774							
	Sandy SILT (ML): reddish brown (5YR 4/4); wet; 70% silt and trace clay, 30% fine- to medium-grained sand; low plasticity; firm.				1773							
50	@ 48' bgs: Sandy SILT (ML): no clay; non-plastic.				1772					5.5		
	@ 49' bgs: Sandy SILT (ML): trace clay; low plasticity.				1771							
	@ 50' bgs: Sandy SILT (ML): irregular shaped caliche nodules (≤7.5 cm).				1770							
					1769							
	@ 53' bgs: SILT (ML): reddish brown (5YR 5/4); wet; 90% silt, 10% fine-grained sand; non-plastic; firm.				1768							
55					1767					0.0		
	@ 55' bgs: SILT (ML): low plasticity; trace irregular shaped caliche nodules (≤5 cm).				1766							
	@ 56' bgs: SILT (ML): reddish brown (5YR 5/4); wet; 95% silt, 5% fine-grained sand; medium plasticity; firm; irregular shaped caliche.				1765							
					1764							
	Poorly Graded SAND with Silt (SP-SM): dark reddish brown (5YR 5/3); wet; 90% fine- to medium-grained sand, 10% silt and coarse-grained sand; unconsolidated.				1763							
60												

CONTRACTOR	Boart Longyear	**NORTHING**	26716510.08
EQUIPMENT		**EASTING**	826019.40
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	Nevada State Plane NAD83 East
DIAMETER	8 inch		
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-22**	**SHEET**	**3 OF 5**
START DRILL DATE	Jun 24, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 25, 08	**GROUND SURF.**	1822.02
LOCATION	Henderson, NV	**TOP OF CASING**	1824.58
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	Clayey SAND (SC): reddish brown (5YR 5/4); wet; 65% fine- to medium-grained sand, 35% clay and trace silt; non-plastic; dense; caliche nodules (≤2.5 cm).				1761					0.9		
	SILT (ML): reddish brown (5YR 5/4); wet; 95% silt, 5% fine-grained sand; non-plastic; stiff; irregular shaped caliche nodules (≤6.5 cm).				1760							
	@ 62.5' bgs: Sandy SILT (ML): reddish brown (5YR 4/4); wet; 70% silt and clay, 30% fine-grained sand; non-plastic; stiff.				1759							
65	Clayey SAND with Silt (SC): reddish brown (5YR 5/4); wet; 75% fine- to medium-grained sand, 25% silt and clay; non-plastic; dense.				1758							
	Sandy SILT (ML): light reddish brown (5YR 6/4); wet; 60% silt, 40% fine-grained sand; firm; non-plastic.				1757					5.1		
					1756							
					1755							
					1754							
					1753							
70	@ 70' bgs: Sandy SILT (ML): 70% silt, 30% fine-grained sand.				1752					7.8		
	@ 71' bgs: SILT (ML): reddish brown (5YR 5/4); wet; 95% silt, 5% fine-grained sand; non-plastic; very stiff; caliche nodules (≤2.5 cm).				1751							
	@ 73' bgs: SILT (ML): 100% silt.				1750							
					1749							
					1748							
75					1747					16.5		
	Poorly Graded SAND with Silt (SP-SM): dark reddish brown (5YR 3/3); wet; 90% fine- to medium-grained sand and trace coarse-grained sand,10% silt; unconsolidated.				1746							
	SILT (ML): reddish brown (5YR 4/4); wet; 100% silt; non-plastic; very stiff; caliche nodules (≤2.5 cm).				1745							
					1744							
					1743							
80	Silty SAND (SM): reddish brown (5YR 5/3); wet; 60% fine-grained sand and trace medium-grained sand, 40% silt; medium density.				1742					17.5		
	Sandy SILT (ML): reddish brown (5YR 4/4); wet; 70% silt, 30% fine-grained sand; low to medium plasticity; firm.				1741							
					1740							
	Silty SAND (SM): reddish brown (5YR 5/4); wet; 60% fine-grained sand and trace medium-grained sand, 40% silt; dense.				1739							
					1738							
85	SILT (ML): reddish brown (5YR 5/4); wet; 90% silt, 10% fine-grained sand; non-plastic to low plasticity; stiff.				1737					80.9		
					1736							
	@ 87' bgs: SILT (ML): reddish brown (5YR 5/3); non-plastic.				1735							
					1734							
					1733							
90												

CONTRACTOR	Boart Longyear	**NORTHING**	26716510.08
EQUIPMENT		**EASTING**	826019.40
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	Nevada State Plane NAD83 East
DIAMETER	8 inch		
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-22**	**SHEET**	**4 OF 5**
START DRILL DATE	Jun 24, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 25, 08	**GROUND SURF.**	1822.02
LOCATION	Henderson, NV	**TOP OF CASING**	1824.58
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
					1731					20.9		
					1730							
	Silty SAND (SM): light reddish brown (5YR 6/3); wet; 65% silt, 35% fine-grained sand; firm.				1729							
					1728							
95	SILT (ML): reddish brown (5YR 5/4); wet; 90% silt, 10% fine-grained sand; non-plastic to low plasticity; stiff.				1727					13.3		
					1726							
					1725							
					1724							
					1723							
100					1722					1.9		
					1721							
					1720							
	@ 102' bgs: Sandy SILT (ML): reddish brown (5YR 4/3); wet; 70% silt, 30% fine-grained sand; non-plastic; stiff; caliche nodules (≤2.5 cm).				1719							
					1718							
105	@ 104' bgs: SILT (ML): reddish brown (5YR 4/3); wet; 100% silt; low plasticity; stiff; caliche nodules (≤5 cm).				1717					51.2		
					1716							
	Silty SAND (SM): reddish brown (5YR 4/4); wet; 60% fine-grained sand, 40% silt; dense; caliche nodules (≤2.5 cm).				1715							
					1714							
	SILT (ML): reddish brown (5YR 4/4); wet; 95% silt, 5% fine-grained sand; medium plasticity; stiff; caliche nodules (≤4 cm).				1713							
110	@ 108' bgs: SILT (ML): reddish brown (5YR 4/3); wet; 100% silt; low plasticity; stiff; caliche nodules (≤2.5 cm).				1712					0.1		
					1711							
					1710							
					1709							
					1708							
115					1707					0.0		
	@ 115' bgs: Sandy SILT (ML): reddish brown (5YR 4/3); wet; 70% silt, 30% fine-grained sand; non-plastic; stiff; caliche nodules (≤2.5 cm).				1706							
	@ 116' bgs: SILT (ML): reddish brown (5YR 5/3); wet; 95% silt, 5% fine-grained sand; non-plastic; stiff.				1705							
					1704							
					1703							
120	@ 119' bgs: Sandy SILT (ML): light reddish brown (5YR 6/4); wet; 70% silt, 30%											

CONTRACTOR	Boart Longyear	**NORTHING**	26716510.08
EQUIPMENT		**EASTING**	826019.40
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-22**	**SHEET**	**5 OF 5**
START DRILL DATE	Jun 24, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 25, 08	**GROUND SURF.**	1822.02
LOCATION	Henderson, NV	**TOP OF CASING**	1824.58
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	fine-grained sand; non-plastic; stiff.									0.9		
	@ 120' bgs: SILT (ML): reddish brown (5YR 5/4); wet; 100% silt; medium plasticity; stiff.				1701							
					1700							
					1699							
	@ 123' bgs: SILT (ML): 95% silt, 5% fine-grained sand.				1698							
	@ 123.5' bgs: SILT (ML): reddish brown (5YR 5/4); wet; 100% silt; medium plasticity; stiff; irregular shaped caliche nodules (≤6.5 cm).				1697					2.2		
125					1696							
					1695							
					1694							
					1693							
130					1692					56.2		
					1691							
					1690							
					1689							
					1688							
	Clayey SAND (SC): dark reddish gray (5YR 4/2); wet; 80% fine- to medium-grained sand and trace coarse-grained sand, 15% clay, 5% fine gravel; unconsolidated.				1687					62.2		
135					1686							
	SILT (ML): reddish brown (5YR 5/4); wet; 100% silt; medium plasticity; stiff; irregular shaped caliche nodules (≤5 cm).				1685							
					1684							
					1683							
140					1682					80.2		
					1681							
					1680							
					1679							
					1678							
145					1677					195		
					1676							
	@ 146' bgs: SILT (ML): 95% silt, 5% fine-grained sand.				1675							
					1674							
	@ 150' bgs: SILT (ML): 100% silt. TD @ 150' bgs.				1673							
150										4.9		

CONTRACTOR	Boart Longyear	**NORTHING**	26716510.08
EQUIPMENT		**EASTING**	826019.40
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	Nevada State Plane NAD83 East
DIAMETER	8 inch		
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-23**	**SHEET**	**1 OF 5**
START DRILL DATE	Jun 19, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 19, 08	**GROUND SURF.**	1812.64
LOCATION	Henderson, NV	**TOP OF CASING**	1812.32
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	Boring location cleared to 5' bgs with hand auger.				1812							
					1811							
	Silty SAND (SM): reddish brown (5YR 5/3); moist; 75% fine- to coarse-grained sand, 15% silt, 10% fine to coarse subrounded to subangular gravel and cobbles (≤13 cm); unconsolidated.				1810							
					1809							
					1808							
5	@ 5' bgs: Silty SAND (SM): reddish brown (5YR 5/4); no cobbles.				1807					27.7		
					1806							
					1805							
					1804							
					1803							
10	@ 10' bgs: Poorly Graded SAND with Silt (SP-SM): increased fine gravel; 80% sand, 10% silt, 10% gravel.				1802					151		
					1801							
	@ 12' bgs: Poorly Graded SAND with Silt (SP-SM): cobbles (≤9.5 cm).				1800							
					1799							
					1798							
15	Well Graded SAND (SW): reddish brown (5YR 5/4); moist; 85% fine- to medium-grained sand with trace coarse-grained sand,10% fine to coarse gravel (≤6.5 cm), 5% silt; unconsolidated.				1797					93.4		
					1796							
					1795							
	Well Graded SAND (SW): reddish gray (5YR 5/2); moist; 85% fine- to coarse-grained sand, 10% fine to coarse gravel and cobbles (≤7.5 cm), 5% silt; unconsolidated.				1794							
					1793							
20	Poorly Graded SAND with Silt (SP/SM): dark reddish gray (5YR 4/2); moist; 80% fine-grained sand with trace medium sand, 10% fine gravel, 10% silt. Grades to SW @ 21' bgs.				1792					145		
					1791							
					1790							
	Poorly Graded SAND (SP): light reddish brown (5YR 6/4); moist; fine- to medium-grained sand with coarse to fine gravel and cobbles (≤10 cm); unconsolidated.				1789							
					1788							
25	@ 23-24' bgs: weathered caliche; pinkish white (5YR 8/2).				1787					187		
	SILT (ML): light reddish brown (5YR 6/4); moist; 90% silt, 10% fine-grained sand; firm.				1786							
	Lean CLAY (CL): dark reddish gray (5YR 4/2); moist; 95% silt, 5% fine-grained sand; medium plasticity; firm.				1785							
					1784							
	Well Graded SAND with Silt and Gravel (SW-SM): reddish brown (5YR 6/2); moist; 70% fine- to coarse-grained sand, 20% fine to				1783							
30												

CONTRACTOR	Boart Longyear	**NORTHING**	26716921.89
EQUIPMENT		**EASTING**	826663.28
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-23**	**SHEET**	**2 OF 5**
START DRILL DATE	Jun 19, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 19, 08	**GROUND SURF.**	1812.64
LOCATION	Henderson, NV	**TOP OF CASING**	1812.32
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	coarse subrounded to subangular gravel, 10% silt.				1782					294		
	Lean CLAY (CL): reddish brown (5YR 5/3); moist; 90% silt, 10% fine-grained sand; low plasticity; firm.				1781							
	SILT (ML): light reddish brown (5YR 6/4); moist; trace fine-grained sand; non-plastic; firm.				1780							
	Silty SAND (SM): reddish brown (5YR 5/3); moist, 60% fine-grained sand, 40% silt; very dense.				1779							
35	Sandy SILT (ML): yellowish red (5YR 4/6); moist; 65% silt, 35% fine-grained sand; non-plastic; trace subrounded caliche nodules (≤2.5 cm).			▽	1778					729		
	@ 34' bgs: SILT (ML): yellowish red (5YR 4/6); moist; 100% silt; low plasticity; firm.				1777							
	@ 36' bgs: Sandy SILT (ML): yellowish red (5YR 4/6); moist; 65% silt, 35% fine-grained sand; non-plastic; irregular shaped caliche nodules (≤10 cm).				1776							
40	Poorly Graded SAND (SP): reddish brown (5YR 4/3); wet; fine- to coarse-grained sand; trace fine gravel; low density.				1775					55.5		
	Sandy SILT (ML): yellowish red (5YR 4/6); wet; 65% silt, 35% fine-grained sand; non-plastic; caliche nodules (≤2.5 cm).				1774							
	Silty SAND (SM): reddish brown (5YR 5/4); wet; 65% fine-grained sand and trace medium-grained sand, 35% silt; irregular shaped caliche nodules (≤2.5 cm).				1773							
45	Sandy SILT (ML): reddish brown (5YR 5/4); wet; trace clay; non-plastic; very firm; irregular shaped caliche nodules (≤6.5 cm).				1772					39.3		
	@ 43' bgs: SILT with Sand (ML): light reddish brown (5YR 6/4); wet; 80% silt, 20% fine-grained sand and trace medium-grained sand; non-plastic to low plasticity; very firm; caliche nodules (≤2.5 cm).				1771							
	@ 46' bgs: SILT (ML): trace coarse-grained sand.				1770							
50	@ 47' bgs: SILT (ML): reddish brown (5YR 5/4); wet; non-plastic; very firm; caliche nodules (≤1.5 cm).				1769					10.8		
	@ 49' bgs: SILT (ML): reddish brown (5YR 5/4); wet; 95% silt, 5% fine-grained sand; low-plasticity; very firm; caliche nodules (≤0.5 cm).				1768							
	@ 50' bgs: Sandy SILT (ML): reddish brown (5YR 5/4); wet; 70% silt, 30% fine-grained sand; non-plastic; very firm; caliche nodules (≤1 cm).				1767							
55	@ 50.5' bgs: SILT (ML): reddish brown (5YR 5/4); wet; 95% silt, 5% fine-grained sand; low plasticity; very firm; caliche nodules (≤2 cm).				1766					345		
					1765							
					1764							
					1763							
					1762							
					1761							
					1760							
					1759							
					1758							
					1757							
					1756							
					1755							
					1754							
60					1753							

CONTRACTOR	Boart Longyear	**NORTHING**	26716921.89
EQUIPMENT		**EASTING**	826663.28
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-23**	**SHEET**	**3 OF 5**
START DRILL DATE	Jun 19, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 19, 08	**GROUND SURF.**	1812.64
LOCATION	Henderson, NV	**TOP OF CASING**	1812.32
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
					1752					644		
					1751							
					1750							
	Silty SAND (SM): reddish brown (5YR 4/3); wet; fine-grained sand; dense; caliche nodules (<2 cm).				1749							
					1748							
65	Well Graded SAND (SW): dark reddish gray (5YR 4/2); wet; 85% fine- to coarse-grained sand,10% subangular to subrounded gravel, 5% silt; low density.				1747					10		
	SILT (ML): reddish brown (5YR 5/4); trace fine-grained sand; low-plasticity; very firm.				1746							
	Clayey SAND (SC): dark reddish gray (5YR 4/2); wet; fine- to medium-grained sand; non-plastic to low plasticity; firm.				1745							
					1744							
	Poorly Graded SAND with Silt (SP-SM): dark reddish brown (5YR 3/2); 90% fine- to medium-grained sand, 10% silt; low density.				1743							
70	SILT (ML): reddish brown (5YR 4/2); wet; 95% silt, 5% fine-grained sand; non-plastic; very firm.				1742					7.4		
	@ 70.5' bgs: SILT (ML): no sand.				1741							
	@ 73' bgs: SILT (ML): low plasticity.				1740							
					1739							
					1738							
75					1737					10.9		
					1736							
					1735							
					1734							
					1733							
80	Lean CLAY (CL): reddish brown (5YR 5/3); wet; non-plastic to low plasticity; hard.				1732					26.9		
					1731							
					1730							
	Silty SAND (SM): reddish brown (5YR 4/4); wet; 70% fine-grained sand, 30% silt; very dense.				1729							
					1728							
85	Well Graded SAND (SW): dark reddish brown; wet; 85% fine- to coarse-grained sand, 10% subangular to subrounded gravel, 5% silt; low density.				1727					10.2		
	Silty SAND (SM): dark reddish gray (5YR 4/2); wet; 70% fine- to medium-grained sand, 25% silt, 5% fine gravel; low density.				1726							
					1725							
	SILT (ML): reddish brown (5YR 5/3); wet; 100% silt; non-plastic; very firm.				1724							
90					1723							

CONTRACTOR	Boart Longyear	**NORTHING**	26716921.89
EQUIPMENT		**EASTING**	826663.28
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-23**	**SHEET 4 OF 5**	
START DRILL DATE	Jun 19, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 19, 08	**GROUND SURF.**	1812.64
LOCATION	Henderson, NV	**TOP OF CASING**	1812.32
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
					1722					N/A		
					1721							
					1720							
					1719							
					1718							
95					1717					107		
					1716							
					1715							
	Volcanic Ash.				1714							
	SILT (ML): reddish brown (5YR 4/2); wet; 100% silt; non-plastic; very firm.				1713							
100	Volcanic Ash.				1712					10.6		
	SILT (ML): reddish brown (5YR 4/2); wet; 95% silt, 5% fine-grained sand, non-plastic; very firm.				1711							
					1710							
					1709							
					1708							
105					1707					121		
					1706							
					1705							
					1704							
	Lean CLAY (CL): reddish brown (5YR 5/3); wet; low plasticity; very firm.				1703							
110	SILT (ML): reddish brown (5YR 5/3); wet; 100% silt; non-plastic; very firm.				1702					216		
					1701							
					1700							
	@ 112.5' bgs: Approximate 2" caliche (weathered) layer.				1699							
					1698							
115					1697					299		
					1696							
					1695							
					1694							
120					1693							

CONTRACTOR	Boart Longyear	**NORTHING**	26716921.89
EQUIPMENT		**EASTING**	826663.28
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-23**	**SHEET 5 OF 5**	
START DRILL DATE	Jun 19, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 19, 08	**GROUND SURF.**	1812.64
LOCATION	Henderson, NV	**TOP OF CASING**	1812.32
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
					1692					N/A		
					1691							
	@ 122' bgs: SILT (ML): trace fine-grained sand.				1690							
					1689							
					1688							
125	@ 125' bgs: Sandy SILT (ML): reddish brown (5YR); wet; 70% silt, 30% fine-grained sand; non-plastic; very firm.				1687					111		
					1686							
	@ 127.5' bgs: SILT (ML): reddish brown (5YR 4/4); wet; non-plastic; very firm.				1685							
					1684							
					1683							
130	@ 130' bgs: SILT (ML): trace fine-grained sand and irregular shaped caliche nodules (≤6.5 cm).				1682					94.3		
					1681							
					1680							
	@ 133' bgs: Sandy SILT (ML): reddish brown (5YR 5/4); wet; 70% silt, 30% fine-grained sand; non-plastic; very firm.				1679							
					1678							
135	@ 135' bgs: SILT (ML): light reddish brown (5YR 6/3); wet; non-plastic; very firm; irregular shaped caliche nodules (≤5 cm).				1677					74.1		
					1676							
	@ 137' bgs: SILT (ML): reddish brown (5YR 5/4).				1675							
					1674							
					1673							
140					1672					77.8		
					1671							
					1670							
	@ 142.5' bgs: SILT (ML): caliche nodules increase to ≤9 cm.				1669							
					1668							
145					1667					16.4		
					1666							
					1665							
	@ 148' bgs: SILT (ML): trace fine-grained sand.				1664							
	Borehole TD = 150' bgs.				1663					29.9		
150												

CONTRACTOR	Boart Longyear	**NORTHING**	26716921.89
EQUIPMENT		**EASTING**	826663.28
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES: Complete core, field screened for DNAPL with FLUTE Ribbon, PID head-space readings, and visual observations. No indications of DNAPL observed.

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-24**	**SHEET**	**1 OF 4**
START DRILL DATE	Jun 11, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 11, 08	**GROUND SURF.**	1851.03
LOCATION	Henderson, NV	**TOP OF CASING**	1853.58
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	Boring location cleared to 5' bgs with hand auger.				1850							
					1849							
	Silty SAND (SM): reddish brown (5YR 5/3); moist; 75% fine- to coarse-grained sand; 15% silt, 10% fine- to coarse-grained gravel and subrounded to subangular rock fragments (≤3.5 cm); unconsolidated.				1848							
					1847							
5					1846					0.7		
					1845							
	@ 6' bgs: color changes to reddish brown (5YR 5/4); increase in fine-grained gravel.				1844							
					1843							
					1842							
10					1841					0		
	@ 10' bgs: Poorly Graded SAND with Silt and Gravel (SP-SM): 75% sand, 15% silt,10% gravel; rock fragment / cobble size increases to ≤7.5 cm.				1840							
					1839							
	@ 12' bgs: Silty SAND with Gravel (SM): light reddish brown (5YR 6/3); 70% sand, 15% silt, 15% gravel; cobble size increases to ≤12 cm.				1838							
					1837							
15					1836					4.7		
					1835							
					1834							
	Sandy SILT (ML): reddish brown (5YR 5/4); moist; 55% silt, 35% fine- to coarse-grained sand, 10% gravel; trace medium to coarse gravel (≤3 cm).				1833							
					1832							
20					1831					5		
	Silty SAND (SM): light reddish brown (5YR 6/3); moist; 65% fine-grained sand, 30% silt, 5% fine to medium gravel (≤2 cm); unconsolidated.				1830							
					1829							
					1828							
					1827							
25					1826					17.9		
	@ 25' bgs: Silty SAND (SM): 55% fine-grained sand, 40% silt, 5% fine to medium gravel; (≤2 cm); silt increases.				1825							
					1824							
	Poorly Graded SAND with Silt and Gravel (SP-SM): pinkish gray (5YR 7/2); moist; fine-grained sand with trace fine to medium gravel with subrounded to subangular cobbles (≤8 cm); unconsolidated.				1823							
					1822							
30												

CONTRACTOR	Boart Longyear	**NORTHING**	26715179.28
EQUIPMENT		**EASTING**	825495.58
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch		Nevada State Plane NAD83 East
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES:

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-24**	**SHEET**	**2 OF 4**
START DRILL DATE	Jun 11, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 11, 08	**GROUND SURF.**	1851.03
LOCATION	Henderson, NV	**TOP OF CASING**	1853.58
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
										1.4		
	@ 31' bgs: Silty SAND with Gravel (SM): cobble size decreases to ≤6 cm.				1820							
					1819							
					1818							
					1817							
35					1816					1.3		
					1815							
	Silty SAND with Gravel (SM): light reddish brown (5YR 6/3); moist; 65% fine- to coarse-grained sand, 25% subrounded to subangular gravel, 10% silt; unconsolidated.				1814							
					1813							
					1812							
	Sandy SILT (ML): light reddish brown (5YR 6/3); moist; silt with fine- to medium-grained sand; trace medium gravel; unconsolidated.				1811							
40	@ 40' bgs: Sandy SILT (ML): pinkish white (5YR 8/2); grades to silt.				1810					3.8		
	@ 41' bgs: Sandy SILT (ML): reddish brown (5YR 5/3).				1809							
	Silty SAND with Gravel (SM): reddish gray (5YR 5/2); moist; 65% fine- to coarse-grained subrounded to subangular sand, 20% gravel, 15% silt.				1808							
					1807							
45	Silty SAND (SM): light reddish brown (5YR 6/3); moist; 65% fine- to medium-grained sand; 25% silt, 10% medium subrounded to subangular gravel; unconsolidated.				1806					1.9		
					1805							
	@ 46' bgs: Silty SAND (SM): 60% fine- to medium-grained sand; 30% silt, 10% medium subrounded to subangular gravel; silt increases.				1804							
					1803							
	@ 47' bgs: Silty SAND (SM): gravel size increases to ≤4 cm.				1802							
50	@ 49' bgs: Silty SAND (SM): 55% fine- to medium-grained sand; 40% silt, 5% medium subrounded to subangular gravel; silt increases.				1801					1.6		
					1800							
					1799							
					1798							
					1797							
55	SILT (ML): reddish gray (5YR 5/2); moist; 95% silt, 5% fine-grained sand; firm; non-plastic; caliche fragments (≤2.5 cm).				1796					0.5		
					1795							
					1794							
					1793							
					1792							
60												

CONTRACTOR	Boart Longyear	**NORTHING**	26715179.28
EQUIPMENT		**EASTING**	825495.58
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES:

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING	**AA-MW-24**	**SHEET**	**3 OF 4**
START DRILL DATE	Jun 11, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 11, 08	**GROUND SURF.**	1851.03
LOCATION	Henderson, NV	**TOP OF CASING**	1853.58
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
	@ 60' bgs: SILT (ML): medium plasticity; caliche (≤1 cm) and less adundant.				1790					6.7		
					1789							
					1788							
	@ 63' bgs: SILT (ML): low plasticity.				1787							
65	@ 65' bgs: SILT (ML): 90% silt, 10% fine-grained sand.				1786					0.6		
					1785							
					1784							
					1783							
					1782							
70	@ 70' bgs: SILT (ML): reddish brown (5YR 5/4); increase in moisture; trace fine-grained sand; low plasticity to non-plastic; firm.			∇	1781					2.9		
					1780							
					1779							
					1778							
					1777							
75					1776					1.7		
					1775							
					1774							
					1773							
					1772							
80					1771					1.9		
					1770							
					1769							
					1768							
					1767							
85	@ 85' bgs: SILT (ML): yellowish red (5YR 4/4); increased clay content.				1766					0.3		
					1765							
					1764							
					1763							
					1762							
90												

CONTRACTOR	Boart Longyear	**NORTHING**	26715179.28
EQUIPMENT		**EASTING**	825495.58
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch		Nevada State Plane NAD83 East
LOGGER	K. Gadley	**REVIEWER**	G. Williams

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BOREHOLE LOG

BORING	**AA-MW-24**	**SHEET 4 OF 4**	
START DRILL DATE	Jun 11, 08	**ELEVATION DATA:**	
FINISH DRILL DATE	Jun 11, 08	**GROUND SURF.**	1851.03
LOCATION	Henderson, NV	**TOP OF CASING**	1853.58
PROJECT	Montrose CPA	**DATUM**	
NUMBER	HW0989C		

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. (2) USCS Name (3) Color (4) Moisture (5) Percent Grain Size (6) Plasticity (7) Density/Consistency (8) Structure (9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior (2) Air Monitoring
										1.1		
	@ 91' bgs: SILT (ML): caliche nodules (≤4 cm).				1760							
					1759							
					1758							
					1757							
95	As above, color change to reddish brown (5YR 5/4).				1756					0.7		
					1755							
					1754							
					1753							
					1752							
100					1751					1		
					1750							
					1749							
					1748							
					1747							
105	@ 105' bgs: SILT with Sand (ML): reddish brown (5YR 5/3); moist; 85% silt, 15% fine-grained sand; non-plastic to low plasticity; firm; caliche nodules (≤5 cm).				1746					1.3		
					1745							
					1744							
	Lean CLAY with Sand (CL): light reddish brown (5YR 6/8); moist; 80% clay, 20% fine-grained sand; low to medium plasticity; firm; caliche nodules (≤5 cm).				1743							
					1742							
110	@ 109 to 109.5' bgs: caliche layer and caliche decreases with depth after 109.5' bgs.				1741					0.9		
					1740							
					1739							
					1738							
					1737							
115					1736					0.2		
					1735							
	TD at 116' bgs.				1734							
					1733							
					1732							
120												

CONTRACTOR	Boart Longyear	**NORTHING**	26715179.28
EQUIPMENT		**EASTING**	825495.58
DRILL MTHD	Sonic	**COORDINATE SYSTEM:**	
DIAMETER	8 inch	Nevada State Plane NAD83 East	
LOGGER	K. Gadley	**REVIEWER**	G. Williams

NOTES:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS