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**NNWSI**  
Nevada  
Nuclear  
Waste  
Storage  
Investigations  
PROJECT

**PACCA  
MOUNTAIN**

# **Nevada Nuclear Waste Storage Investigations Project**

**DRAFT**

## **NNWSI PROJECT SITE ATLAS**

**VOLUME 1 OF 2**

**JUNE 1988  
Nevada Operations Office**

**UNITED STATES DEPARTMENT OF ENERGY**



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NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS

ATLAS OF FIELD ACTIVITIES

~~VOL I~~

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13-Oct-1988/Draft/MISC

YMP/88-21

YUCCA MOUNTAIN PROJECT  
SITE ATLAS

OCTOBER 1988

Work performed under Contract No. DE-AC08-87NV10576

Yucca Mountain Project  
Yucca Mountain Project Office  
U.S. Department of Energy  
Nevada Operations Office  
Las Vegas, Nevada

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## 1.0 INTRODUCTION

The Nevada Nuclear Waste Storage Investigations (NNWSI) Project Site Atlas is a reference document of field activities which have been, or are being, conducted by the U.S. Department of Energy (DOE) to support investigations of Yucca Mountain as a potential site for an underground repository for high-level radioactive waste. These investigations, as well as future investigations, will yield geologic, geophysical, geochemical, geomechanical, hydrologic, volcanic, seismic, and environmental data necessary to characterize Yucca Mountain and its regional setting.

The Yucca Mountain site is located in southern Nevada on and immediately adjacent to the southwestern portion of the Nevada Test Site (NTS), about 160 kilometers (100 miles) northwest of Las Vegas. The physiographic setting of the site is the southern Great Basin, which is a subdivision of the Basin and Range Province. While the majority of field investigations have been centered on Yucca Mountain, various investigations have been conducted throughout the southern Great Basin in order to characterize the regional setting of the site.

This chapter summarizes the background of the NNWSI Project and the objective, scope, structure, and preparation of the Site Atlas. Chapter 2 describes in more detail the bibliography and map portfolio portions of the Atlas, which are presented in Chapter 4 and Volume II, respectively. Chapter 3 describes how to use the Atlas.

### 1.1 NNWSI PROJECT BACKGROUND

In April 1977, the DOE established the NNWSI Project for the purpose of conducting investigations of the NTS as a potential site for a nuclear waste repository. Shortly thereafter, site exploration began, which included regional geologic, geophysical, geochemical, geomechanical, hydrologic, tectonic, seismic, and volcanic investigations. In mid-1978, the DOE determined that a nuclear waste repository located in the southwestern portion of the NTS (a 245-square-mile area) would not interfere with present or future nuclear weapons testing activities. Consequently, exploratory investigations began focusing on the rock units available in that area.

After reviewing the geologic, geophysical, and hydrologic data for three potential sites (the Wahmonie, Yucca Mountain, and Calico Hills/Topopah Wash locations), the U.S. Geological Survey (USGS) recommended that exploration be focused on the most promising potential repository host rock and location: the tuffaceous rock of Yucca Mountain. Therefore, in mid-1979 the NNWSI Project decided to concentrate on evaluating the technical acceptability of Yucca Mountain as a potential repository location. Field and laboratory investigations were conducted to yield data to characterize Yucca Mountain and its regional setting.

In 1983, the DOE Office of Civilian Radioactive Waste Management (OCRWM) was given the responsibility of implementing the Nuclear Waste Policy Act of 1982 (NWPA), which requires the federal government to develop the first geologic repository for permanent disposal of spent nuclear fuel and high-level radioactive waste. In February 1983, the DOE identified nine potentially

acceptable sites for the repository, including the Yucca Mountain site. The suitability of these sites for a repository was evaluated in accordance with the DOE siting guidelines (10 CFR Part 960). Early investigations of Yucca Mountain became part of the site selection and suitability evaluation process. Draft Environmental Assessments (EAs) were issued in 1984 for the nine sites, and final EAs were prepared and issued in May 1986 for Yucca Mountain and four of the other sites nominated for site characterization.

After the final EAs were issued, the Secretary of Energy recommended to the President the Yucca Mountain site and two other sites as suitable for characterization as candidate repository sites. On May 28, 1986, the President approved characterization at these three sites, which formally initiated the site characterization phase. Preparation of a Site Characterization Plan (SCP) for each site began, and no new field investigations have been initiated at the Yucca Mountain site since that time.

In December 1987, the U.S. Congress enacted legislation that changed the process for siting the nation's first geologic repository. The Nuclear Waste Policy Amendments Act of 1987, signed by the President on December 22, 1987, directs the DOE to characterize the Yucca Mountain site and to terminate site-specific activities for the other two sites.

## 1.2 OBJECTIVE OF THE SITE ATLAS

The objective of the Site Atlas is to create a management tool for the DOE Waste Management Project Office (WMPO) that will allow the WMPO to compile and disseminate information regarding the location of NNWSI Project field investigations, and document the permits acquired and the environmental, archaeological, and socioeconomic surveys conducted to support those investigations. The information contained in the Atlas will serve as a historical reference of site investigation field activities. A companion document to the Atlas is the NNWSI Project Surface Based Investigations Plan (SBIP). The SBIP is a planning document that describes the surface-based testing activities proposed for site characterization.

It is anticipated that the information contained in the Atlas and the SBIP will be used by the WMPO and the NNWSI Project Technical and Management Support Services (T&MSS) contractor to manage and integrate field activities, and by Project participants in planning and conducting future site investigations and monitoring activities.

## 1.3 SCOPE OF THE SITE ATLAS

While the primary focus of the Atlas is to identify the location and areas of coverage of field activities, additional activity and document data are included in the Atlas Bibliography (described in Chapter 2 and presented in Chapter 4). This additional information includes an activity identifier, the start date, activity status, the investigating organization, a brief description of the activity, the purpose of the activity, and the source of the information.

In this first version of the Atlas, an attempt was made to include information on activities which were initiated prior to the start of the Project's site characterization phase on May 28, 1986 (as was stated previously, no new field activities have been initiated since that time). Any activity identified by readers as having been initiated prior to May 1986, but that was not included in this version, will be included in the first Atlas update. Users should send additional activity information to the Yucca Mountain Project Office, Site Investigation Branch. Periodic updates will include data on activities which have been conducted since the preceding version. When a site characterization field activity described in the SBIP is initiated, the location and other appropriate attribute information will be added to the Site Atlas. Additional information on drilling activities to be incorporated into the updates will include coring intervals (compilation of this information for existing boreholes was not completed in time to include in this initial release of the Atlas). Activities conducted at the site by the State of Nevada will also be included in the updates.

#### 1.4 STRUCTURE OF THE SITE ATLAS

The Atlas consists of a bibliography and a map portfolio. The bibliography consists of an activities section and a source documents section. The map portfolio contains several map layers of various coverages and scales which depict graphically the location of field activities included in the Atlas.

#### 1.5 PREPARATION OF THE SITE ATLAS

Literature and Project file searches, and interviews with Principal Investigators were conducted to obtain the bibliographic information. A computerized filing system (data base) was developed to store, retrieve, and update the bibliographic information. The data base was developed using the relational data base management system (DBMS) INGRES, which is the principal DBMS in use by the T&MSS contractor on the NNWSI Project. Data base creation, prototyping, and maintenance are all facilitated by INGRES.

Standard commercially available USGS maps of the Yucca Mountain area are used as the base maps for plotting the locations of field activities. Location data are obtained from survey records, published reports, or the Principal Investigator directing the activity. Holmes & Narver's Automated Drafting Section is responsible for generating the Atlas maps. The primary system used for map production is the new Design Futures Incorporated Computer-Assisted Design (CAD) System, consisting of personal computers (PCs) using IDRAW software. Peripheral equipment provides plotting (on paper, vellum, or mylar), archiving, and retrieving capabilities. Digital scanning equipment is also being utilized to produce vectorized master images that can be used as permanent bases.

## 2.0 THE NNWSI PROJECT SITE ATLAS

The NNWSI Project Site Atlas focuses on providing location information on field activities which have been initiated to support investigations at Yucca Mountain. Activities in the Atlas include drillholes, trenches, geologic pavements, seismic reflection surveys, seismic refraction surveys, gravity stations, magnetic surveys, geologic test pits, paleoclimate surveys, meteorological monitoring stations, precipitation and streamflow monitoring stations, groundwater recharge monitoring stations, seismic monitoring stations, archaeological surveys, biological surveys, and socioeconomic surveys. Land ownership and federal land administration boundaries are shown and described. Land access and air corridor agreement documents are referenced, and areas of coverage shown on maps.

The Atlas consists of a bibliography and a map portfolio. The following sections describe the structure, type of information, and production of these two Atlas components.

### 2.1 THE BIBLIOGRAPHY

The bibliography consists of an activities data section and a source documents section. These sections are organized according to the type of activity conducted and by the type of source document from which the activity data were obtained. While the primary purpose of the Site Atlas is to provide location information on NNWSI Project field activities at Yucca Mountain, the bibliography contains additional attribute data for each activity and document. The following sections describe the organization of, and the type of data contained in, the bibliographic data sheets.

#### 2.1.1 ACTIVITY DATA

The data sheets have been grouped into seven broad categories of activities, which are based on the type of attribute information compiled for the activity. These categories are (1) drillholes, (2) geologic pavements, (3) trenches, (4) surveys, (5) underground test facilities, (6) monitoring stations and (7) geologic mapping.

Activity data sheets are filed within these broad categories according to the type of activity, and then, if necessary, according to the types of investigation the activity was, or is, designed to support. For example: A data sheet for a water-table hole would be grouped into the drilling category, then filed as a hydrologic hole type of activity; and since hydrologic drillholes support more than one type of investigation (i.e., unsaturated zone and saturated zone), it would then be filed according to the specific types of investigation designed to obtain water-table data. A table of descriptive titles for activities (Table 2-1) was used to determine how activities would be grouped according to the type of activity and investigation being conducted.

Table 2-1. Descriptive Titles for Atlas Activities<sup>a</sup>

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Drillholes

Geologic Holes

Exploratory  
Pre-Tertiary Test  
Horizontal

Hydrologic Holes

Saturated Zone  
Saturated Zone: Test  
Water Table  
Unsaturated Zone  
Unsaturated Zone: Neutron  
Unsaturated Zone: Neutron Calibration  
Infiltration: Test Cell "C"

Volcanic

Repository Surface Facility

Geophysical

Seismic Investigations  
Seismic Line  
Logging Feasibility

Water Wells

Geologic Pavements

Bedrock Pavement

Trenches and Soils Pits

Trench

Geologic Test Pit (Prototype Exploratory Shaft Fracture  
Modeling)  
Quaternary Faulting  
Quaternary Soils  
Soils Infiltration  
Soils Chronosequence

Table 2-1. Descriptive Titles for Atlas Activities<sup>a</sup> (continued)

---

Surveys

Archaeological/Cultural Resource

Biological

Vegetation  
Vertebrates  
Impact Analysis  
Desert Tortoise  
Small Mammals  
Dosimetry

Socioeconomics

Demographic  
Impact Analysis

Paleoclimate

Seismic Reflection

Seismic Refraction

Magnetic Surveys

Air Traverse  
Ground Traverse  
Resistivity  
Magnetotelluric (Remote Sensing)

Gravity Measurements

Uranium Series Dating

Underground Test Facilities

Rock Properties (G-Tunnel)

Geophysical Tomography (G-Tunnel)

Spent Fuel Tests (Climax-NTS)

Table 2-1. Descriptive Titles for Atlas Activities\* (continued)

---

Monitoring Stations

Groundwater Observation Wells

Geochemistry Sampling (Springs and Wells)

Groundwater Recharge

Analog Site

Lysimeter

Seeps

Soil Moisture

Meteorological

Meteorological Towers

USGS Rain Gage

Precipitation and Streamflow

Precipitation Collectors

Seismic

Seismic Monitoring Network

Weapons-Test Seismicity

Dust Traps

Geologic Mapping

Geologic Map

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\*Organization of activities is according to category (underscored), type of activity, and type of investigation (if different from activity type).



All activities in the Atlas include the following information:

1. A unique identification number. For most activities this number already exists. For those that did not have a unique identifier, one was assigned (the process for assigning these numbers is discussed later).
2. A descriptive title, assigned from the descriptive titles table.
3. The status of the activity, such as the start date, the date of completion, and whether the site has been abandoned or reclaimed.
4. The location and elevation of the activity, except for surveys and geologic maps.
5. Whether the location has been surveyed, by whom, and the type of survey (i.e., layout survey or as-built). This is important in determining the accuracy of the location information. If the location was not surveyed, the approximate locations were provided by the source.
6. Data source. This corresponds to the Atlas document identification number.
7. Land ownership, or administrative agency (if the federal government is the land owner). For drillholes, this information is included in the comments section. It is not included for surveys and geologic mapping, since these activities typically cover large areas and cross boundary lines.
8. A brief description of the activity's purpose.
9. Additional comments.

The following additional information is provided according to the type of broad category into which the activity is grouped:

1. Drilling: The depths and diameters of the holes and casing.
2. Geologic pavements: Dimensions of the pavement.
3. Trenches: The approximate length, depth, and volume of material removed from the trench.
4. Surveys: The area of coverage (as opposed to location coordinates), and a description of the survey.
5. Monitoring stations: The organization responsible for data collection and maintenance of the station, and the number and description of stations at a particular location (i.e., a USGS streamflow and precipitation monitoring station may consist of a precipitation collector at ground level, a precipitation gage -- plastic and/or

tipping bucket -- mounted on posts off the ground, and a streamflow gage/crest stage gage or continuous recorder, for a total of three stations at one monitoring site).

6. Geologic mapping: Areas of coverage, and organization that conducted the mapping.

For those activities that were not referenced by a unique identifier in the source document, a unique Atlas identifier was assigned. The identifier was assigned using the first letters of the descriptive title, the year in which the activity was conducted, and the sequence by which the activity was entered into the electronic filing system. For example: A gravity survey conducted in 1982, which was the first gravity survey conducted that year entered into the filing system, was given the number GS82-1. To reduce the chance of assigning a number that already existed, an "H&N" was added to the identifier, resulting in the unique identifier H&N GS82-1.

It was important to assign a unique identifier because the number functions as the link between the activity data sheets and the document data sheets, as well as functioning as the link between the bibliography and the map portfolio.

#### 2.1.2 DOCUMENT DATA

Several types of documents were reviewed to obtain the activity data, including drillhole histories, survey reports, USGS open file reports, contractor reports, USGS maps, masters theses, field notes, and other types of unpublished data (such as data files and yet to be published data reports). Permits obtained to support field activities have also been documented (as well as having the areas of coverage depicted on the Atlas maps). These documents consist of memoranda of understanding, cooperative agreements, permits to use property, public land orders, and legal descriptions.

After categorizing the source documents into document types, they are then filed according to the type of activity or permit for which they are the source. In many cases one document may be the source for several activities. A table of descriptive titles for documents (Table 2-2) was used to determine how documents should be categorized.

Table 2-2. Descriptive Titles for Atlas Documents\*

---

Permit Documents

Air Corridor Agreements  
Land Access Agreements  
Land Withdrawals (NTS)  
Legal Descriptions (Nellis Air Force Range)

Activity Documents

Contractor Reports

Archaeological Surveys  
Biological Surveys  
Socioeconomic Surveys  
G-Tunnel Tests  
Spent Fuel Tests at Climax-NTS  
DRI Water Resources Center Report

Hole Histories

Geologic Holes  
Hydrologic Holes  
Volcanic Holes  
Repository Facility Holes  
Geophysical Holes  
Draft Hole Histories (Fenix & Scisson Redbook Listing)  
Holmes & Narver Survey Report

Open File Reports (USGS Publications)

Gravity Measurement Stations  
Magnetic Surveys  
Paleoclimate Survey  
Resistivity Survey  
Seismic Monitoring Stations  
Seismic Reflection Surveys  
Seismic Refraction Surveys  
Trenches  
USGS Precipitation Collection Stations (Isotope analysis)  
Uranium Series Dating  
Geologic Mapping

Masters Thesis

Groundwater Recharge Monitoring  
Trenches

Table 2-2. Descriptive Titles for Atlas Documents<sup>a</sup> (continued)

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USGS Field Study Maps

Trenches

Field Notes

Pavements

Trenches

Unpublished Data

Geologic Test Pits

Groundwater Recharge Monitoring

Meteorological Monitoring

Observation Wells Monitoring

Precipitation and Streamflow Monitoring

Precipitation Collectors (Isotope Analysis)

Weapons-Test Seismicity Monitoring

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<sup>a</sup>Organization of documents is according to the type of document (underscored) and the type of activity documented. Permit-type documents are separated from activity-type documents.

Each document data sheet includes the following information:

1. A unique identification number. If one did not exist, a unique Atlas Number was assigned. This was done according to the sequence in which a document was entered into the Atlas filing system. The first document for which a number was assigned was Atlas #1, the second Atlas #2, etc.
2. A dual number, if applicable.
3. The document type according to Table 2-2, followed by the type of activity it documents.
4. The date the document was issued, if applicable.
5. What organization issued the document.
6. Document title, or description.
7. What individual(s) or organization originated the document.
8. The archival storage location.
9. Procedure to acquire or examine document, or obtain additional information (if the source is an unpublished document).
10. Activity or activities covered by the document, or geographic area covered.
11. Purpose of the document.
12. Additional comments regarding the document.

## 2.2 THE MAP PORTFOLIO

The map portfolio portion of the Site Atlas has been compiled to depict graphically the location of completed and ongoing NNWSI Project field activities. All field activities that are in the bibliography (Chapter 4) are located on one of the various map layers. In addition to depicting field activities, land ownership and federal land administration boundaries are outlined. Areas covered by land access permits and air corridor agreements are also shown.

The map portfolio consists of several maps at various scales and areas of coverage. This was necessary because of the high concentration of activities centered on Yucca Mountain (requiring large scales; e.g., 1" = 500') and the broad areas of coverage by regional investigations and activities, such as seismic refraction surveys (requiring smaller scales; e.g., 1" = 40,000'). This section describes the organization of the map layers and the sources used to generate the backgrounds of the map portfolio.

### 2.2.1 MAP PORTFOLIO SOURCE AND ORGANIZATION

The map portfolio backgrounds were generated from four USGS 15-minute Quadrangle Maps: Topopah Springs, Lathrop Wells, Big Dune, and Bare Mountain. Surface features information, such as roads and drillpads, was supplied by Dr. Sherman Wu, USGS/Flagstaff. A Nevada State road map was used to depict the location of socioeconomic surveys and some of the paleoclimatic survey meteorological stations.

The USGS Quadrangle Maps were enlarged to a scale of 1"=500' and then sectioned into several individual layers for inclusion in the Atlas. This was necessary to adequately depict individual activities that have occurred on and around Yucca Mountain. For these maps, photo screens were used to reproduce the topographic backgrounds. Activities which are shown on the 1"=500' scale maps include drillholes, pavements, and trenches. Other scales that were used include 1"=2000'; 1"=10,000'; 1"=20,000'; and 1"=40,000'. The scale used was dependent on the area covered by the particular activity or group of activities being presented. Computer scans were used to generate these maps.

Location coordinates for field activities that have been surveyed were obtained from Holmes & Narver survey reports. The estimated location of activities which have not been surveyed were provided by the source document. Some of the map layers were compiled by scanning a map or figure presented in the source document. When this was done, the unique document identifier is referenced in the legend. The location coordinates for all activities were converted to Nevada State Central Plane Coordinates and then located on the maps. (The location coordinates given in the bibliography are also Nevada State Central Plane Coordinates). This coordinate system measures distance in feet as compared to measuring distance in meters or degrees, which are the units used by the Universal Trans Mercator and Latitude/Longitude coordinate systems. The Nevada State Central Plane Coordinate system is used at the Nevada Test Site.

### 3.0 USE OF THE ATLAS

The previous chapter described the two components of the Atlas: (1) the map portfolio, and (2) the bibliography (consisting of an activities section and a documents section). This chapter will describe the use of those components (i.e., how to move from the portfolio to the bibliography or vice versa, and from one section to the other within the bibliography). Examples are provided at the end of the chapter.

#### 3.1 HOW TO USE THE ATLAS

The table of contents list the subsection in Chapter 4 for each type of investigation. The individual activities are arranged alphanumerically within each subsection.

Tables of contents (TOCs) for activity and document data sheets are presented in Sections 4.1 and 4.2 respectively. The TOCs list the subsection in Chapter 4 for each type of investigation. The individual activities are arranged alphanumerically within each subsection. A detailed map index, which lists the map subject, activity number, sheet number and drawing number, is presented at the beginning of the portfolio to assist the user in moving through the map layers. To assist in locating specific activities, different symbols are used to depict the different types of activities. The symbols used to depict drillholes and precipitation collectors involve the use of shaded quadrants within the symbol outline. For drillholes, the number of shaded quadrants indicates the type of activity (i.e., hydrologic, geologic, etc.); the orientation of the shaded quadrant is arbitrary. The number and orientation of the shaded quadrant for precipitation collectors indicates different source documents. The activities on the maps are identified by the same unique identifier that is used in the bibliography. For some activities, such as various seismic, biological, archaeological, and socioeconomic surveys, the unique identifier is included in the legend.

As was alluded to in the previous chapter, the link between the portfolio and the bibliography, and between the activities and documents sections, is the unique identification number. To locate a particular activity the following steps should be followed:

1. Turn to the TOCs for activities (Section 4.1) and determine the subsection which contains the activity.
2. Turn to the subsection of the bibliography that includes that type of activity.
3. Location coordinates, or areas of coverage, are given for each activity.
4. Use the map index to determine which map layer includes the activity of interest.
5. Use coordinates, if necessary, to locate the activity on the map.

The steps to determine the source of a particular activity are as follows:

1. Find the activity data sheet in the bibliography (Steps #1 and #2 above).
2. The source is identified on the activity data sheet.

Each document data sheet identifies, by the unique identification number, which activity (or group of activities) is referenced by that particular document. A particular document uses the TOC for document data sheets (Section 4.2) to locate the specific data sheet in the bibliography. Included in the document data sheet is a listing of all activities referenced in the document by the unique activity identifier. To locate these activities, follow steps 1-5 above.

This type of link between activities and documents also exists in the Atlas data base. Linking in the data base is accomplished via a Link Menu, which consists of the unique identification numbers.

### 3.2 EXAMPLES OF USE

First Example. Assume an individual is interested in the location, depth, dates of drilling, and other miscellaneous information regarding all water-table drillholes which have been drilled to support investigations of Yucca Mountain as a potential repository site. This individual is also interested in where these holes are in relation to other activities.

Step #1 - Turn to the beginning of the activities section of the bibliography to determine the subsection for the type of activity. Step #2 - Turn to the Water Table section of the bibliography. There have been a total of 16 water-table holes drilled to date. From the data sheets, the individual can obtain the drillhole designation for each hole, the location coordinates, (Step #3) the depth of the holes, and the dates when drilling at each hole began and was completed. Other information contained in the data sheet which may be of interest includes the depth and diameter of casing in the holes, the depth to the fluid (water) level encountered when drilling, and the number of geophysical logs run in the hole.

Step #4 - Use the map index to determine which sheets, or drawing numbers, depict the locations of water-table holes. Step #5 - Use the location coordinates and activity identifier to locate the 16 water-table holes.

If the individual is interested in additional information concerning the drilling of any of the holes, the source document is also listed. In this case the document is identified as DOE/NV/10322-10, which is identified as a Hole History. The individual would then go to the Hole Histories portion of the documents section and find Document Number DOE/NV/10322-10. This data sheet states that the document was prepared by Fenix & Scisson, Inc. (F&S). The procedure to acquire or examine the document involves contacting the



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10-Oct-1988/Draft/MISC

Chief of the CEP & Reports Section, F&S, at the F&S Administrative Office,  
Building 102, Mercury, Nevada.

Second example. Assume that an individual is interested in finding the location of the seismometers that comprise the Southern Great Basin Seismic Monitoring Network, and the only information known is that a USGS Open File Report has been published. Step #1 - Go to the Open File Report (OFR) portion of the documents section in the bibliography and find the OFR that deals with seismic monitoring, specifically with the Southern Great Basin Seismic Network monitoring stations. The data sheet for this report (USGS-OFR-669) states that the activities covered by this document are identified as Atlas activity SGBSN. Step #2 - Go to the Seismic Monitoring Network portion in the activities section and locate the data sheet for Atlas activity SGBSN. This data sheet has an attached table which lists the station code number, period of operation, the location coordinates, the elevation, and the seismometer model.

There is also a map layer in the map portfolio that depicts graphically the location of the seismometers. The map index at the front of the portfolio identifies which map number to locate. The locations of the instruments are identified by the code number listed in the table attached to the activity data sheet.

#### 4.0 THE ATLAS BIBLIOGRAPHY

The Atlas Bibliography consists of an Activities Section (4.1) and a Documents Section (4.2). At the beginning of each of these sections is a table of contents based on the descriptive titles (Tables 2-1 and 2-2).

#### 4.1 Table of Contents for Activity Data Sheets

##### Drillholes

- 4.1.1 Geologic Holes
- 4.1.2 Saturated Zone Holes
- 4.1.3 Water Table Holes
- 4.1.4 Unsaturated Zone Holes
- 4.1.5 Unsaturated Zone Neutron Holes
- 4.1.6 Volcanic Holes
- 4.1.7 Repository Facility Coreholes
- 4.1.8 Water Wells
- 4.1.9 Seismic Shot Holes

##### Geologic Pavements

- 4.1.10 Bedrock Pavements

##### Trenches and Soils Pits

- 4.1.11 Geologic Test Pits
- 4.1.12 Quaternary Faulting Trenches
- 4.1.13 Soil Trenches

##### Surveys

- 4.1.14 Archaeological Surveys
- 4.1.15 Biological Surveys
- 4.1.16 Socioeconomic Surveys
- 4.1.17 Paleoclimate Surveys
- 4.1.18 Gravity Measurements Surveys
- 4.1.19 Magnetic Surveys
- 4.1.20 Seismic Reflection
- 4.1.21 Seismic Refraction
- 4.1.22 Uranium Series Dating Survey Sites

##### Underground Test Facilities

- 4.1.23 G-Tunnel Tests
- 4.1.24 Climax Tests

##### Monitoring Stations

- 4.1.25 Regional Ground Water Observation Wells
- 4.1.26 Ground Water Recharge Monitoring Sites
- 4.1.27 Soil Moisture Monitoring Sites
- 4.1.28 Meteorological Monitoring Towers

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- 4.1.29 Precipitation & Streamflow Monitoring Sites
- 4.1.30 Precipitation Collectors (Isotopic Analysis)
- 4.1.31 Southern Great Basin Seismic Monitoring Network
- 4.1.32 Weapons-Test Seismicity Monitoring Sites
- 4.1.33 Groundwater Geochemistry Sampling Sites

#### Mapping

- 4.1.34 Geologic Maps

4.1.1

**Drillhole Information Report**  
**Activity Type: GEOLOGIC HOLE\***  
**(Sorted by Type and Source)**

**Type of Activity: Geologic Holes**

**Activity Designation: USW G-1**

**Type of Investigation: Exploratory**

**WBS Number: 1.2.3.2**

**Work Order Number: 3404-113**

**Location (Nevada State Plane Coordinates): N-770500.2 E-561000.5 Dirt Pad Elevation: 4348.60 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 03-12-80**

**In Progress? N**

**Completion Date: 09-17-80**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**Hole Diameters  
(in inches)**

**Casing Depths  
(in feet)**

**Casing Diameters  
(in inches)**

**27**

**23.00**

**27**

**19.50 ID**

**280**

**17.50**

**280**

**12.61 ID**

**290**

**8.75**

**290**

**6.75 ID**

**1015**

**6.25**

**1016**

**4.00 ID**

**1016**

**4.50**

**6000**

**3.00**

**Data Source: DOE/NV/10322-19**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity: To characterize the geologic, geophysical, and hydrologic data for the Yucca Mountain block.**

**Comment: Sandia instrument in hole, 04-08-82. Land owned by federal government (Air Force). 65 geophysical logs run.**

**Drillhole Information Report**  
**Activity Type: GEOLOGIC HOLE\***  
**(Sorted by Type and Source)**

**Type of Activity: Geologic Holes**

**Activity Designation: USW G-2**

**Type of Investigation: Exploratory**

**WBS Number: 1.2.3.2**

**Work Order Number: 3404-130A**

**Location (Nevada State Plane Coordinates): N-778824.2 E-560503.9 Dirt Pad Elevation: 5698.40 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 03-25-81**

**In Progress? N**

**Completion Date: 11-17-82**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**Hole Diameters  
(in inches)**

**Casing Depths  
(in feet)**

**Casing Diameters  
(in inches)**

282

17.50

278

12.61 ID

795

12.25

795

8.92 ID

2670

8.75

4115

6.25

4720

6.13

6006

2.98

**Data Source: DOE/NV/10322-19**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity: To characterize the geologic, geophysical, and hydrologic data for the Yucca Mountain block.**

**Comment: 11-17-82 is recompleted date. Packer at 1236', 06-27-84. Sandia instrument in hole at 1207', with 7' of sand above packer, 07-23-84. Land owned by federal government (Air Force). 92 geophysical logs run.**

Drillhole Information Report  
Activity Type: GEOLOGIC HOLE\*  
(Sorted by Type and Source)

Type of Activity: Geologic Holes

Activity Designation: USW G-3

Type of Investigation: Exploratory

WBS Number: 1.2.3.2

Work Order Number: 3404-133

Location (Nevada State Plane Coordinates): N-752779.8 E-558483.1 Dirt Pad Elevation: 4856.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 01-08-82

In Progress? N

Completion Date: 03-21-82

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

38  
2600  
2609  
5031

17.50  
8.75  
4.75  
3.94

36  
2598

12.61 ID  
4.95 ID

Data Source: DOE/NV/10322-19

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To characterize the geologic, geophysical, and hydrologic data for the Yucca Mountain block.

Comment: Sidetracked between 1144' and 2600'. Original hole plugged with cement from 1362' to 1160'; radioactive logging source below 1247'. 01-10-84 elevation casing and pad. Fluid probe at 2358'. Fish at 1362'. Land owned by federal government (BLM). 36 geophysical logs run.



Drillhole Information Report  
Activity Type: GEOLOGIC HOLE\*  
(Sorted by Type and Source)

Type of Activity: Geologic Holes

Activity Designation: USW G-4

Type of Investigation: Exploratory

WBS Number: 1.2.3.2

Work Order Number: 3404-150

Location (Nevada State Plane Coordinates): N-765807.1 E-563081.6 Dirt Pad Elevation: 4166.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 08-23-82

In Progress? N

Completion Date: 01-13-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

40  
2020  
3001  
3003

17.50  
12.25  
8.75  
8.38

39  
2017

12.61 ID  
8.92 ID

Data Source: DOE/NV/10322-19

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To characterize the geologic, geophysical, and hydrologic data for the Yucca Mountain block.

Comment: 03-18-85 elevation of pad and flange. Fish below 365'. 9.625" OD (8.92" ID) casing perforated from 1970' to 1950' and 1860' to 1800' at 2 shots/ft. Land owned by federal government (Air Force). 37 geophysical logs run.

**Drillhole Information Report**  
**Activity Type: GEOLOGIC HOLE\***  
**(Sorted by Type and Source)**

**Type of Activity: Geologic Holes**

**Activity Designation: USW GA-1**

**Type of Investigation: Angle**

**WBS Number: 1.2.3.2**

**Work Order Number: 3404-127**

**Location (Nevada State Plane Coordinates): N-779365.4 E-559247.0 Dirt Pad Elevation: 5186.80 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 03-15-81**

**In Progress? N**

**Completion Date: 03-21-81**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**6  
148  
551**

**Hole Diameters  
(in inches)**

**15.00  
6.25  
3.94**

**Casing Depths  
(in feet)**

**6  
148**

**Casing Diameters  
(in inches)**

**12.61 ID  
4.00 ID**

**Data Source: DOE/NV/10322-19**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity: To characterize the geologic, geophysical, and hydrologic data for the Yucca Mountain block.**

**Comment: Land owned by federal government (Air Force).**

Drillhole Information Report  
Activity Type: GEOLOGIC HOLE\*  
(Sorted by Type and Source)

Type of Activity: Geologic Holes

Activity Designation: USW GU-3

Type of Investigation: Exploratory (Unsaturated Zone)

WBS Number: 1.2.3.2.1.1.G  
Work Order Number: 3404-140

Location (Nevada State Plane Coordinates): N-752690.1 E-558501.3 Dirt Pad Elevation: 4856.60 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 01-26-82

In Progress? N

Completion Date: 06-12-82

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

35  
1144  
1768  
2644

18.50  
6.75  
3.94  
2.98

34  
1144

12.61 ID  
4.95 ID

Data Source: DOE/NV/10322-19

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To characterize the geologic, geophysical, and hydrologic data for the Yucca Mountain block.

Comment: Sandia instrument in hole at depth of 1155', 03-15-83 (messenger cable and instrument cable broke 5/87). 45  
geophysical logs run. Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: GEOLOGIC HOLE\*  
(Sorted by Type and Source)

Type of Activity: Geologic Holes

Activity Designation: UE-25 A#1

Type of Investigation: Pretertiary Test

WBS Number: 1.2.3.2.1.1.G  
Work Order Number: 3402-107

Location (Nevada State Plane Coordinates): N-764900.2 E-566350.0 Ground Elevation: 3934.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 06-25-78

In Progress? N

Completion Date: 09-02-78

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

28  
54  
86  
1297  
2501

17.50  
10.63  
6.25  
3.88  
2.98

28  
54  
86  
  
2450

12.61 ID  
6.97 ID  
4.00 ID  
  
2.38 ID

Data Source: DOE/NV/10322-9

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Exploring Site Geology

Comment: 2.375" OD tubing to a depth of 2450'. Junk: HQ rods, core barrel and bit 1264.5' to 1297'; USGS fluid probe below 2495'. 23 geophysical logs run. Land owned by federal government.(NTS)

Drillhole Information Report  
Activity Type: GEOLOGIC HOLE\*  
(Sorted by Type and Source)

Type of Activity: Geologic Holes

Activity Designation: UE-25 A#4

Type of Investigation: Exploratory (Instrumented)

WBS Number: 1.2.3.2.1.1.G  
Work Order Number: 3404-106

Location (Nevada State Plane Coordinates): N-767971.9 E-564471.6 Ground Elevation: 4100.70 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 07-02-79

In Progress? N

Completion Date: 07-20-79

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

8  
122  
500

Hole Diameters  
(in inches)

15.00  
12.25  
6.13

Casing Depths  
(in feet)

8  
119

Casing Diameters  
(in inches)

12.61 ID  
7.63 ID

Data Source: DOE/NV/10322-9

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To Obtain Site Geology Data

Comment: 6.125" core hole to 500'. 26 geophysical logs run. Cemented instruments to 113.7' with 703 cubic ft. Cal-Seal and stemmed to surface with 17 sacks sand, 11 sacks bentonite gel, and 25 cubic ft. dry CalSeal on 07-02-82. Instrumented, stemmed and grouted from 499' to the surface on 07-03-82. Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: GEOLOGIC HOLE\***  
**(Sorted by Type and Source)**

**Type of Activity: Geologic Holes**

**Activity Designation: UE-25 A#3**

**Type of Investigation: Exploratory (Instrumented)**

**WBS Number: 1.2.3.2.1.1.G**

**Work Order Number: 3402-110**

**Location (Nevada State Plane Coordinates): N-769321.1 E-602938.8 Ground Elevation: 4545.80 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 08-11-78**

**In Progress? N**

**Completion Date: 10-10-78**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**Hole Diameters  
(in inches)**

**Casing Depths  
(in feet)**

**Casing Diameters  
(in inches)**

80  
82  
100  
1964  
2530

17.00  
10.63  
5.88  
3.90  
3.03

77  
82  
  
190

12.61 ID  
7.63 OD  
  
4.50 OD

**Data Source: DOE/NV/10322-9**

**Originator: F&S**

**Storage Location: F&S Mercury NV.**

**Purpose of Activity: To Obtain Site Geology Data**

**Comment: 19 geophysical logs run. Junk: 4"x5"x3" slip between 4.5" and 7.625" casing. Instrumented and stemmed to 981' with sand on 1-16-80. Land owned by federal government (NTS). Located in Calico Hills.**

Drillhole Information Report  
Activity Type: GEOLOGIC HOLE\*  
(Sorted by Type and Source)

Type of Activity: Geologic Holes

Activity Designation: UE-25 A#5

Type of Investigation: Exploratory

WBS Number: 1.2.3.2.1.1.G  
Work Order Number: 3404-107

Location (Nevada State Plane Coordinates): N-766956.4 E-564755.1 Ground Elevation: 4056.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 06-26-79

In Progress? N

Completion Date: 07-12-79

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

10  
123  
487

Hole Diameters  
(in inches)

15.00  
12.25  
6.13

Casing Depths  
(in feet)

10  
120

Casing Diameters  
(in inches)

12.61 ID  
7.63 ID

Data Source: DOE/NV/10322-9

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To Obtain Site Geology Data

Comment: 6.125" diameter core to 487'. 18 geophysical logs run. Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: GEOLOGIC HOLE\***  
**(Sorted by Type and Source)**

**Type of Activity: Geologic Holes**

**Activity Designation: UE-25 A#6**

**Type of Investigation: Exploratory**

**WBS Number: 1.2.3.2.1.1.G**  
**Work Order Number: 3404-109**

**Location (Nevada State Plane Coordinates): N-785899.5 E-564500.7 Ground Elevation: 4052.90 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 07-19-79**

**In Progress? N**

**Completion Date: 08-08-79**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**Hole Diameters  
(in inches)**

**Casing Depths  
(in feet)**

**Casing Diameters  
(in inches)**

**65  
167  
246  
500**

**12.25  
6.25  
6.13  
5.50**

**57  
  
  
493**

**7.63 ID  
  
  
2.38 OD**

**Data Source: DOE/NV/10322-9**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity: To Obtain Site Geology Data**

**Comment: 23 geophysical logs run. 2.375" OD tubing. Land owned by federal government (NTS).**



**Drillhole Information Report**  
**Activity Type: GEOLOGIC HOLE\***  
**(Sorted by Type and Source)**

**Type of Activity: Geologic Hole**

**Activity Designation: UE-25 A#7**

**Type of Investigation: Exploratory**

**WBS Number: 1.2.3.2.1.1.G**

**Work Order Number: 3404-110**

**Location (Nevada State Plane Coordinates): N-766249.9 E-565468.5 Ground Elevation: 4004.60 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 8, NTS**

**Status:**

**Spud Date: 08-10-79**

**In Progress? N**

**Completion Date: 08-31-79**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**Hole Diameters  
(in inches)**

**Casing Depths  
(in feet)**

**Casing Diameters  
(in inches)**

10

15.00

138

12.25

500

5.50

502

4.50

1002

3.88

134

7.63 ID

956

2.38 OD

**Data Source: DOE/NV/10322-9**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity: To Obtain Site Geology Data**

**Comment: 5.50" core to 500' and 3.875" core to 1002'. 2.375" OD tubing to depth of 956'. 33 geophysical logs run. Hole recompleted 10-05-80. Land owned by federal government (NTS).**

Drillhole Information Report  
Activity Type: GEOLOGIC HOLE\*  
(Sorted by Type and Source)

Type of Activity: Geologic Hole

Activity Designation: UE-25 B#1

Type of Investigation: Exploratory

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-131

Location (Nevada State Plane Coordinates): N-765243.4 E-566416.4 Ground Elevation: 3939.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 04-03-81

In Progress? N

Completion Date: 09-22-81

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

35

36.00

34

20.00 ID

317

18.50

292

15.01 ID

318

15.00

1705

12.25

1700

8.92 ID

2131

8.75

4002

8.50

3935

2.88 OD

Data Source: DOE/NV/10322-13

Originator: F&S

Storage Location: F&S Mercury, NV

Purpose of Activity: To Provide Geologic and Hydrologic Information.

Comment: TAM Packer at 3935' on 2.88" OD tubing, 1-31-83. 40 geophysical logs run. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOLOGIC HOLE\*  
(Sorted by Type and Source)

Type of Activity: Geologic Holes

Activity Designation: UE-25 P#1

Type of Investigation: Pretertiary Test

WBS Number: 1.2.3.2.1.1.G  
Work Order Number: 3404-151A

Location (Nevada State Plane Coordinates): N-756171.2 E-571484.5 Casing Elevation: 3654.60 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 11-13-82

In Progress? N

Completion Date: 05-24-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

42

30.00

36

23.25 ID

338

22.00

341

7.50

325

15.13 ID

1598

14.75

1564

10.05 ID

4279

9.88

4256

6.97 ID

4322

6.88

5900

6.75

Data Source: DOE/NV/10322-16

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To Obtain Geologic, Geophysical, and Hydrologic Information from Paleozoic Rocks in Area 25.

Comment: 5923' hole depth with a diameter of 6.75". 33 geophysical logs run, plus others. Installed a USGS continuous recording water level transducer at 1200' with present fluid level at 1190' on 03-07-85. Data source dated: November 1986. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOLOGIC HOLE\*  
(Sorted by Type and Source)

Type of Activity: Geologic Holes

Activity Designation: UE-25 H#1

Type of Investigation: Horizontal

WBS Number: 1.2.3.2.1.1.G  
Work Order Number: 3409-104

Location (Nevada State Plane Coordinates): N-748353.1 E-574461.4 Ground Elevation: 3409.40 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 12-10-82

In Progress? N

Completion Date: 01-30-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

20  
240  
400

Hole Diameters  
(in inches)

6.25  
3.94  
3.03

Casing Depths  
(in feet)

20  
240

Casing Diameters  
(in inches)

4.50 ID  
3.50 ID

Data Source: DOE/NV/10322-15

Originator: F&S

Storage Location: F&S Mercury, NV

Purpose of Activity: To provide continuous core samples for the geologic investigation of the Topopah Spring Member as a possible site for an adit in which to conduct nuclide migration field experiments.

Comment: 2 geophysical logs run. Junk at unknown depth. Land owned by federal government (NTS). T/csg.

4.1.2

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLE: SATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Hole

Activity Designation: USW H-1

Type of Investigation: Saturated Zone

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-114

Location (Nevada State Plane Coordinates): N-770254.3 E-562388.0 Ground Elevation: 4274.40 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 09-03-80

In Progress? N

Completion Date: 01-25-81

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

10

48.00

41

46.50

335

20.00

384

15.00

1740

13.25

2257

12.25

6000

8.75

39

334

30.00 ID

16.00 OD

Data Source: ATLAS #6: F&S NMWSI HOLE HISTORY DATA

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain hydrologic, geologic, and geophysical data.

Comment: Recompleted & instrumented on 07-06-82. Piezometers on 2-1/16" tubing were run in the hole. String #1 was set at 5925', string #2 set at 3657', and string #3 set at 2431'. 76 geophysical logs run. Land owned by federal government (Air Force).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLE: SATURATED ZONE  
(Sorted by Type and Source)

Type of Activity: Hydrologic Hole

Activity Designation: USW H-3

Type of Investigation: Saturated Zone

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-139

Location (Nevada State Plane Coordinates): N-756542.1 E-558451.7 Dirt Pad Elevation: 4866.40 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 01-27-82

In Progress? N

Completion Date: 03-19-82

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

29  
130  
2650  
4000

Hole Diameters  
(in inches)

36.00  
26.00  
14.75  
8.75

Casing Depths  
(in feet)

29  
126  
2600

Casing Diameters  
(in inches)

30.00 ID  
15.01 ID  
9.95 ID

Data Source: ATLAS #6: F&S NNWSI HOLE HISTORY DATA

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain hydrologic, geologic, and geophysical data.

Comment: Junk: Dyna-drill drive shaft and 12.25" bit in rat hole at 43'. 10.75" OD casing perforated from 2474' to 2600' with 2 shots per foot, 07-22-82. Fluid density log run 05-25-84 indicated fluid level at 2468'. 46 geophysical logs run. Land owned by federal government (BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLE: SATURATED ZONE\***  
**(Sorted by Type and Source)**

**Type of Activity: Hydrologic Hole**

**Activity Designation: USW H-4**

**Type of Investigation: Saturated Zone**

**WBS Number: 1.2.3.3.3.G**

**Work Order Number: 3404-143**

**Location (Nevada State Plane Coordinates): N-761643.6 E-563911.1 Dirt Pad Elevation: 4096.50 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 03-22-82**

**In Progress? N**

**Completion Date: 06-07-82**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**Hole Diameters  
(in inches)**

**Casing Depths  
(in feet)**

**Casing Diameters  
(in inches)**

35  
153  
316  
1850  
4000

36.00  
26.00  
20.00  
14.75  
8.75

35  
  
311  
1839

29.25 ID  
  
15.01 ID  
9.95 ID

**Data Source: ATLAS #6: F&S NNWSI HOLE HISTORY DATA**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity: To obtain hydrologic, geologic and geophysical data.**

**Comment: Log T.D. consistently deeper than drilled T.D. 10.75" OD casing perforated from 1750' to 1770' at 2 shots per foot. 2.875in. and 1.9" tubing set on 02-01-83. Center of TAM packer set at 3875.86' on 2.875" tubing with slotted and bull nosed tail pipe 13' long. A 1.9" monitor line landed at 1725'. Air Force land.**



Drillhole Information Report  
Activity Type: HYDROLOGIC HOLE: SATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Hole

Activity Designation: USW H-5

Type of Investigation: Saturated Zone

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-146

Location (Nevada State Plane Coordinates): N-766634.3 E-558908.7 Dirt Pad Elevation: 4850.80 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 05-19-82

In Progress? N

Completion Date: 08-01-82

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

38  
311  
2599  
4000

36.00  
20.00  
14.75  
8.75

38  
311  
2585

29.25 ID  
15.00 ID  
10.05 ID

Data Source: ATLAS #6: F&S NNWSI HOLE HISTORY DATA

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain hydrologic, geologic and geophysical data.

Comment: 10.75" OD casing perforated. 2.875" and 1.9" tubing set 02-04-83. Center of TAM packer set at 3579.92' on 2.875" 8rd., 6.5" tubing with slotted and bull nosed tail pipe 13' long. A 1.9" monitor line was landed at 2324.1'. 36 geophysical surveys done. Land owned by federal government (Air Force).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLE: SATURATED ZONE\***  
**(Sorted by Type and Source)**

Type of Activity: Hydrologic Hole

Activity Designation: USW H-6

Type of Investigation: Saturated Zone

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-149

Location (Nevada State Plane Coordinates): N-763298.9 E-554074.9 Dirt Pad Elevation: 4270.60 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 08-07-82

In Progress? N

Completion Date: 10-28-82

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

33

36.00

31

29.38 ID

335

22.00

311

15.01 ID

1912

14.75

1906

9.85 ID

3990

8.75

4002

6.13

Data Source: ATLAS #6: F&S NNWSI HOLE HISTORY DATA

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain hydrologic, geologic and geophysical data.

Comment: 2.875" tubing and 1.9" tubing set 07-19-84. Packer set at 2466' on 2.875" tubing, bottom of packer assembly bull plugged with circulating sub below elements open. A 1.9" monitor line was landed at 1751.5' on 07-19-84. 35 geophysical logs run. Land owned by federal government (Air Force).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLE: SATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Hole

Activity Designation: UE-25 C#1

Type of Investigation: Saturated Zone: Test

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-177

Location (Nevada State Plane Coordinates): N-757095.9 E-569680.4 Ground Elevation: 3708.70 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 08-13-83

In Progress? N

Completion Date: 10-17-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

30  
368  
1515  
2990  
3000

Hole Diameters  
(in inches)

36.00  
24.00  
14.75  
9.88  
8.75

Casing Depths  
(in feet)

30  
382  
1365

Casing Diameters  
(in inches)

30.00 OD  
16.00 OD  
10.75 OD

Data Source: DOE/NV/10322-14: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To provide geologic and hydrologic information, specifically for conducting in-situ studies of radionuclide movement in the saturated zone.

Comment: 34 geophysical logs were run. Fluid level at 1310' (11-18-85). Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLE: SATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Hole

Activity Designation: UE-25 C#2

Type of Investigation: Saturated Zone: Test

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-185

Location (Nevada State Plane Coordinates): N-756848.8 E-569633.8 Ground Elevation: 3714.10 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 01-09-84

In Progress? N

Completion Date: 03-21-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

40  
320  
1520  
3000

Hole Diameters  
(in inches)

36.00  
24.00  
14.75  
9.88

Casing Depths  
(in feet)

40  
319  
1365

Casing Diameters  
(in inches)

30.00 OD  
16.00 OD  
10.75 OD

Data Source: DOE/NV/10322-14

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To provide geologic and hydrologic information, specifically for conducting in-situ studies of radionuclide movement in the saturated zone.

Comment: 29 geophysical logs run. Fluid level at '1319' (03-15-84). Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLE: SATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Hole

Activity Designation: UE-25 C#3

Type of Investigation: Saturated Zone

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-186

Location (Nevada State Plane Coordinates): N-756909.9 E-569554.9 Ground Elevation: 3714.20 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 03-20-84

In Progress? N

Completion Date: 06-11-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

39  
315  
1520  
3000

48.00  
24.00  
14.75  
9.88

39  
313  
1323

30.00 OD  
16.00 OD  
10.75 OD

Data Source: DOE/NV/10322-14

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To provide geologic and hydrologic information, specifically for conducting in-situ studies of radionuclide movement in the saturated zone.

Comment: 24 geophysical logs run. Fluid level at 1319'. Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLE: SATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Hole

Activity Designation: UE-29 A#1

Type of Investigation: Saturated Zone

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-132A

Location (Nevada State Plane Coordinates): N-797729.0 E-585574.9 Ground Elevation: 3986.70 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 09-25-81

In Progress? N

Completion Date: 10-06-81

Abandoned? Y

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

38  
215

Hole Diameters  
(in inches)

36.00  
26.00

Casing Depths  
(in feet)

35

Casing Diameters  
(in inches)

30.00 ID

Data Source: DOE/NV/10322-12

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To Identify Area Geology and Hydrology

Comment: Review of hole conditions gives this as abandoned, not completed on 10-06-81. JUNK: 13.375in. skirt, 28in. OD wall hook, 7.75in. x 30ft. drill collar. Hole sloughed. Fish at 109ft. Land owned by federal government (NTS)

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLE: SATURATED ZONE\***  
**(Sorted by Type and Source)**

Type of Activity: Hydrologic Hole

Activity Designation: UE-29 A#2

Type of Investigation: Saturated Zone

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-135

Location (Nevada State Plane Coordinates): N-797745.0 E-585546.9 Ground Elevation: 3987.40 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 10-06-81

In Progress? N

Completion Date: 12-03-81

Abandoned? N

Plugged/Date:

Manner: N/A

**Hole Depths  
(in feet)**

40  
160  
295  
814  
1165  
1383

**Hole Diameters  
(in inches)**

36.00  
26.00  
18.50  
14.75  
15.00  
9.88

**Casing Depths  
(in feet)**

39  
160  
284  
811  
1172

**Casing Diameters  
(in inches)**

30.00 ID  
20.00 ID  
16.00 ID  
10.05 ID  
1.60 OD

Data Source: DOE/NV/10322-12

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To Identify Area Geology and Hydrology

Comment: 15in. diameter hole underreamed. 1.6in. OD tubing set 01-19-82. 22 geophysical logs run. Land owned by federal government(NTS)

4.1.3



Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: WATER TABLE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW WT-1

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-157

Location (Nevada State Plane Coordinates): N-753940.6 E-563739.2 Casing Elevation: 3942.40 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 04-28-83

In Progress? N

Completion Date: 05-18-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

34  
1689

Hole Diameters  
(in inches)

26.00  
8.75

Casing Depths  
(in feet)

33  
1665

Casing Diameters  
(in inches)

10.88 ID  
2.88 ID

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain water table measurements.

Comment: 2.875" tubing with 12' well screen on bottom. Completion date of 08-09-83 reported in Hole Condition Summary.  
11 geophysical logs run. Fluid level at 1193'. Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: WATER TABLE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW WT-2

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G  
Work Order Number: 3404-158

Location (Nevada State Plane Coordinates): N-760660.5 E-561923.6 Casing Elevation: 4269.70 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 07-08-83

In Progress? N

Completion Date: 07-16-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

58  
2060

Hole Diameters  
(in inches)

14.75  
8.75

Casing Depths  
(in feet)

58  
2040

Casing Diameters  
(in inches)

10.75 OD  
2.88 OD

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain water table measurements.

Comment: 2.875" OD tubing with 12' screen sub on bottom. 9 geophysical logs run. Fluid level at 1873'. Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: WATER TABLE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 WT#3

Type of Investigation: Water Table

WBS Number: 1.2.3.3.6

Work Order Number: 3404-159

Location (Nevada State Plane Coordinates): N-745995.1 E-573384.4 Casing Elevation: 3380.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 04-29-83

In Progress? N

Completion Date: 05-25-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

14  
41  
1142

48.00  
14.75  
8.75

14  
40  
1125

15.01 ID  
10.05 ID  
2.88 OD

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain water table measurements.

Comment: Completion date of 05-24-83 reported in Hole Condition Summary. 2.875" OD tubing has a 12' screen sub on bottom. 9 geophysical logs run. Fluid level at 983'. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: WATER TABLE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 WT#4

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-167

Location (Nevada State Plane Coordinates): N-768511.8 E-568040.2 Casing Elevation: 3829.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 05-28-83

In Progress? N

Completion Date: 06-06-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depth  
(in feet)

50  
1580

Hole Diameters  
(in inches)

14.75  
8.75

Casing Depth  
(in feet)

48  
1567

Casing Diameters  
(in inches)

10.05 ID  
2.88 OD

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain water table measurements.

Comment: 2.875 OD diameter casing 8rd tubing with 12' screen sub on bottom. Fluid level at 1437'. 13 geophysical logs run. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: WATER TABLE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 WT#5

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G  
Work Order Number: 3404-168

Location (Nevada State Plane Coordinates): N-761826.0 E-574249.7 Casing Elevation: 3559.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 06-07-83

In Progress? N

Completion Date:

Abandoned? Y

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

40  
1330

Hole Diameters  
(in inches)

14.75  
8.75

Casing Depths  
(in feet)

40

Casing Diameters  
(in inches)

10.05 ID

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain water table measurements.

Comment: Hole abandoned 06-18-83. Lost about 300' of tools in bottom of hole. Decision to abandon. Junk: bowen overshot, crossover sub, and Bowen bumper sub at 1036', top at 1018'. Land belongs to federal government (NTS).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: WATER TABLE\***  
**(Sorted by Type and Source)**

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 WT#6

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-169

Location (Nevada State Plane Coordinates): N-780575.8 E-564523.9 Ground Elevation: 4306.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 06-20-83

In Progress? N

Completion Date: 06-29-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

69  
250  
1250  
1257

Hole Diameters  
(in inches)

14.75  
9.88  
6.75  
6.25

Casing Depths  
(in feet)

65  
251  
1221

Casing Diameters  
(in inches)

10.75 OD  
7.63 OD  
2.88 ID

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain water table measurements.

Comment: 12.3' screen on bottom of 2.875" tubing. 10 geophysical logs run. Fluid level at 874'. Land belongs to federal government (NTS).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: WATER TABLE\***  
**(Sorted by Type and Source)**

Type of Activity: Hydrologic Holes

Activity Designation: USW WT-7

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-174

Location (Nevada State Plane Coordinates): N-755569.8 E-553891.3 Dirt Pad Elevation: 3927.20 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 07-19-83

In Progress? N

Completion Date: 07-26-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

53  
1610

Hole Diameters  
(in inches)

14.75  
8.75

Casing Depths  
(in feet)

52  
1579

Casing Diameters  
(in inches)

10.75 ID  
2.78 ID

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain water table measurements.

Comment: 2.875" tubing with 12' screen sub on bottom. 9 geophysical logs run. Fluid level at 1380'. Land owned by federal government (BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: WATER TABLE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Holes

Activity Designation: USW WT-10

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-171

Location (Nevada State Plane Coordinates): N-748770.9 E-553302.1 Ground Elevation: 3686.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 07-26-83

In Progress? N

Completion Date: 08-02-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

116  
1413

Hole Diameters  
(in inches)

14.75  
8.75

Casing Depths  
(in feet)

114  
1321

Casing Diameters  
(in inches)

10.75 OD  
2.88 OD

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain water table measurements.

Comment: 2.875" OD tubing with 12' screen sub on bottom. 11 geophysical logs run. Fluid level at 1140'. Land owned by federal government (BLM).



Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: WATER TABLE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW WT-11

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G  
Work Order Number: 3404-175

Location (Nevada State Plane Coordinates): N-739070.4 E-558376.8 Ground Elevation: 3590.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 08-03-83

In Progress? N

Completion Date: 08-09-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

45  
1446

Hole Diameters  
(in inches)

14.75  
8.75

Casing Depths  
(in feet)

45  
1365

Casing Diameters  
(in inches)

10.75 OD  
2.88 OD

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To Obtain Water Table measurements. Future tests will include collecting representative water samples from the upper saturated zone.

Comment: 2.875" OD tubing with 12' screen sub on bottom. 10 geophysical logrun. Fluid level at 1193'. Land owned by federal government (BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: WATER TABLE\***  
**(Sorted by Type and Source)**

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 WT#12

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-176

Location (Nevada State Plane Coordinates): N-739725.9 E-567011.0 Ground Elevation: 3526.60 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 08-11-83

In Progress? N

Completion Date: 08-16-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

70  
1308

Hole Diameters  
(in inches)

15.00  
8.75

Casing Depths  
(in feet)

70  
1276

Casing Diameters  
(in inches)

10.75 OD  
2.88 ID

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain water table measurements.

Comment: 2.875" tubing with 12' screen sub on bottom. 9 geophysical logs run. Fluid level at 1133'. Land belongs to federal government (NTS).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: WATER TABLE\***  
**(Sorted by Type and Source)**

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 WT#13

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-170

Location (Nevada State Plane Coordinates): N-756715.0 E-578756.7 Ground Elevation: 3386.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 06-29-83

In Progress? N

Completion Date: 07-07-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

49  
224  
1150  
1160

15.00  
14.75  
8.75  
8.06

222  
1136

10.75 OD  
2.88 OD

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To Obtain Water Table Measurements.

Comment: 2.875" OD tubing with 12' screen sub on bottom. 9 geophysical surveys were run. Fluid level at 994'. Land belongs to federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: WATER TABLE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 WT#14

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-179

Location (Nevada State Plane Coordinates): N-761650.6 E-575210.1 Ground Elevation: 3529.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 08-17-83

In Progress? N

Completion Date: 09-30-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

120  
1310

Hole Diameters  
(in inches)

15.00  
8.75

Casing Depths  
(in feet)

120  
1303

Casing Diameters  
(in inches)

10.75 OD  
2.88 OD

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain water table measurements.

Comment: 2.875" OD EUE tubing with 12' screen sub on bottom. 10 geophysical surveys were run. Fluid level at 1130ft.  
Land belongs to federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: WATER TABLE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 WT#15

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G  
Work Order Number: 3404-180A

Location (Nevada State Plane Coordinates): N-766116.6 E-579805.7 Ground Elevation: 3552.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 11-12-83

In Progress? N

Completion Date: 11-22-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

130  
1360

Hole Diameters  
(in inches)

14.75  
8.75

Casing Depths  
(in feet)

127  
1335

Casing Diameters  
(in inches)

10.75 OD  
2.88 OD

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To Obtain Water Table Measurements.

Comment: 2.875" OD EUE tubing with 12' screen sub on bottom. 11 geophysical surveys were run. Fluid level at 1190'. Land owned by federal government (NTS). Cement was pumped into well to stop sluffing and then redrilled. Procedure was done in 3 stages: 1) 35' - 12'; 2) 12' - 0'; and 3) 25' - 0'.

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: WATER TABLE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 WT#18

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-181A

Location (Nevada State Plane Coordinates): N-774419.7 E-570394.9 Ground Elevation: 3971.40 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 11-02-83

In Progress? N

Completion Date: 11-10-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

108  
1710

Hole Diameters  
(in inches)

14.75  
8.75

Casing Depths  
(in feet)

102  
1686

Casing Diameters  
(in inches)

10.75 OD  
2.88 OD

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain water table measurements.

Comment: 2.875" OD EUE tubing with 12' screen on bottom. 9 geophysical surveys were run. Fluid level at 1549'. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: WATER TABLE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 WT#17

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G

Work Order Number: 3404-182

Location (Nevada State Plane Coordinates): N-748419.6 E-566211.9 Ground Elevation: 3688.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 8, NTS

Status:

Spud Date: 10-20-83

In Progress? N

Completion Date: 10-30-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

55  
1453

Hole Diameters  
(in inches)

14.75  
8.75

Casing Depths  
(in feet)

55  
1376

Casing Diameters  
(in inches)

10.75 OD  
2.88 OD

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain water table measurements.

Comment: 2.875" OD tubing with 12' well screen on bottom. 9 geophysical surveys were run. Fluid level at 1294ft. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: WATER TABLE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 WT#18

Type of Investigation: Water Table

WBS Number: 1.2.3.3.3.G  
Work Order Number: 3404-188

Location (Nevada State Plane Coordinates): N-771167.1 E-564855.0 Ground Elevation: 4383.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 05-09-84

In Progress? N

Completion Date: 05-23-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

88  
2043

Hole Diameters  
(in inches)

14.75  
8.75

Casing Depths  
(in feet)

86  
1965

Casing Diameters  
(in inches)

10.75 OD  
2.88 OD

Data Source: DOE/NV/10322-10: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain water table measurements.

Comment: 2.875" OD tubing with 12' well screen sub on bottom. 14 geophysical surveys were run. Junk: electric log tool below 200'. Fluid level at 1860'. Land owned by federal government (NTS).



41.1.4

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-1

Type of Investigation: Unsaturated Zone (Instrumented)

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-154

Location (Nevada State Plane Coordinates): N-771275.8 E-560220.8 Casing Elevation: 4426.20 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 04-27-83

In Progress? N

Completion Date: 07-31-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

42  
97  
101  
1265  
1269  
1270

48.00  
36.00  
24.00  
17.50  
15.00  
9.25

40

41.00 ID

Data Source: ATLAS #7: F&S HOLE HISTORY DATA, DRAFT

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To characterize the geology and hydrology of the unsaturated zone.

Comment: Junk at 1243', hole plugged with cement to 1221'. Instrumented, stemmed and grouted from 1213' to surface, 10-24-83. Land owned by federal government (Air Force) 186 geophysical logs run.

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZ#4

Type of Investigation: Unsaturated Zone

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-197

Location (Nevada State Plane Coordinates): N-768715.6 E-566139.3 Ground Elevation: 3938.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 09-06-84

In Progress? N

Completion Date: 10-10-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

244  
368

Hole Diameters  
(in inches)

6.00  
4.25

Casing Depths  
(in feet)

60

Casing Diameters  
(in inches)

5.00 ID

Data Source: ATLAS #7: F&S HOLE HISTORY DATA, DRAFT

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To characterize the geology and hydrology of the unsaturated zone.

Comment: Camera ran 01-15-85 indicated top of fish at 231'. Junk in hole below 140'. Land owned by federal government (NTS). 1 geophysical log run. One 5' joint of 5.5" casing and 2.3" casing shoe down hole. Color TV camera ran 01-15-85 indicated top of fish at 291'.

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZ#5

Type of Investigation: Unsaturated Zone

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-198

Location (Nevada State Plane Coordinates): N-768591.0 E-566135.2 Ground Elevation: 3951.60 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 10-11-84

In Progress? N

Completion Date: 11-19-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

365

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

18

Casing Diameters  
(in inches)

5.00 ID

Data Source: ATLAS #7: F&S HOLE HISTORY DATA, DRAFT

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To characterize the geology and hydrology of the unsaturated zone.

Comment: Fish down hole. Junk in hole depth unknown. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-6

Type of Investigation: Unsaturated Zone (Test Hole)

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-193A

Location (Nevada State Plane Coordinates): N-759731.0 E-558325.0 Dirt Pad Elevation: 4924.50 ft

Surveyed (Yes or No): Y

Type of Survey: L/O

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 06-18-84

In Progress? N

Completion Date: 01-16-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

40  
341  
1887

Hole Diameters  
(in inches)

30.00  
24.00  
17.50

Casing Depths  
(in feet)

40  
324

Casing Diameters  
(in inches)

26.00 ID  
20.00 OD

Data Source: ATLAS #7: F&S HOLE HISTORY DATA, DRAFT

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To characterize the geology and hydrology of the unsaturated zone.

Comment: Secured date: 01-16-85. Suspended indefinitely on 04-28-86. Last drilling date was 09-26-84. 14 geophysical logs run. Hard hat down hole 11-13-84. Joints #1-5, 3/8" wall casing, #6-8, 1/2" wall casing. Land owned by federal government (BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-6S

Type of Investigation: Unsaturated Zone (Test Hole)

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-208

Location (Nevada State Plane Coordinates): N-759909.3 E-558050.4 Ground Elevation: 4949.20 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 04-23-85

In Progress? N

Completion Date: 09-09-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

495  
519

Hole Diameters  
(in inches)

8.34  
3.99

Casing Depths  
(in feet)

3

Casing Diameters  
(in inches)

7.63 00

Data Source: ATLAS #7: F&S HOLE HISTORY DATA, DRAFT

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To characterize the geology and hydrology of the unsaturated zone.

Comment: 4949.2' elevation is ground elevation on east side of hole. Revised (Station Name) 08-28-85. Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-7

Type of Investigation: Unsaturated Zone

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-206

Location (Nevada State Plane Coordinates): N-760836.1 E-562911.3 Ground Elevation: 4169.30 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 01-04-85

In Progress? N

Completion Date: 01-22-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

207

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

20

Casing Diameters  
(in inches)

5.00 ID

Data Source: ATLAS #7: F&S HOLE HISTORY DATA, DRAFT

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To characterize the geology and hydrology of the unsaturated zone.

Comment: Casing reset at 20' on 09-11-85. Land owned by federal government(BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-8

Type of Investigation: Unsaturated Zone

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-214

Location (Nevada State Plane Coordinates): N-760762.2 E-562293.5 Ground Elevation: 4227.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 03-05-86

In Progress? N

Completion Date: 04-21-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

55  
57

Hole Diameters  
(in inches)

6.00  
4.25

Casing Depths  
(in feet)

55

Casing Diameters  
(in inches)

5.00 ID

Data Source: ATLAS #7: F&S HOLE HISTORY DATA, DRAFT

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To characterize the geology and hydrology of the unsaturated zone.

Comment: Suspended indefinitely on 04-21-86, expected to be re-entered and drilled deeper and instrumented. Land owned by federal government (BLM).



Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-13

Type of Investigation: Unsaturated Zone

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-207

Location (Nevada State Plane Coordinates): N-751953.2 E-558488.7 Ground Elevation: 4815.80 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 01-24-85

In Progress? N

Completion Date: 04-19-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

410  
430

Hole Diameters  
(in inches)

6.00  
3.94

Casing Depths  
(in feet)

330

Casing Diameters  
(in inches)

5.00 ID

Data Source: ATLAS #7: F&S HOLE HISTORY DATA, DRAFT

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To characterize the geology and hydrology of the unsaturated zone.

Comment: Land owned by federal government (BLM).

4.1.5

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N67

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-753634.2 E-563799.0 Ground Elevation: 3920.20 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 07-25-84

In Progress? N

Completion Date: 07-25-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

25

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

25

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N68

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-753962.4 E-564005.8 Ground Elevation: 3924.70 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 07-25-84

In Progress? N

Completion Date: 07-25-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

55

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

55

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N66

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-758433.5 E-561881.1 Ground Elevation: 4355.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 11-27-84

In Progress? N

Completion Date: 11-28-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

**Type of Activity: Hydrologic Holes**

**Activity Designation: USW UZ-N69**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**

**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-754460.9 E-564401.7 Ground Elevation: 3918.20 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 07-26-84**

**In Progress? N**

**Completion Date: 07-28-84**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**35**

**Hole Diameters  
(in inches)**

**6.00**

**Casing Depths  
(in feet)**

**35**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Land owned by federal government (BLM).**

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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**Type of Activity:** Hydrologic Holes

**Activity Designation:** USW UZ-N70

**Type of Investigation:** Unsaturated Zone: Neutron

**WBS Number:** 1.2.3.3.4.G  
**Work Order Number:** 3404-196

**Location (Nevada State Plane Coordinates):** N-769250.7 E-560164.7 **Ground Elevation:** 4542.10 ft

**Surveyed (Yes or No):** Y

**Type of Survey:** A/B

**Surveyor (Organization):** Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

**Spud Date:**

**In Progress?** N

**Completion Date:** 02-10-86

**Abandoned?** N

**Plugged/Date:**

**Manner:** N/A

**Hole Depths**  
**(in feet)**

35

**Hole Diameters**  
**(in inches)**

6.00

**Casing Depths**  
**(in feet)**

35

**Casing Diameters**  
**(in inches)**

5.00 ID

**Data Source:** DOE/NV/10322-21: HOLE HISTORY

**Originator:** F&S

**Storage Location:** F&S, Mercury, NV.

**Purpose of Activity:** Monitor natural infiltration rates.

**Comment:** Land owned by federal government (Air Force).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N71

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-761025.9 E-558405.6 Ground Elevation: 4924.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 05-18-84

In Progress? N

Completion Date: 05-18-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

52

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

52

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Revised 03-06-86 coordinates and elevation. Land owned by federal government (BLM).



Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N72

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-761067.9 E-558626.1 Ground Elevation: 4889.20 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 11-20-84

In Progress? N

Completion Date: 11-20-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

30

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

30

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

**Type of Activity: Hydrologic Holes**

**Activity Designation: USW UZ-N73**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**  
**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-761049.1 E-558926.0 Ground Elevation: 4866.60 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 11-20-84**

**In Progress? N**

**Completion Date: 11-21-84**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**30**

**Hole Diameters  
(in inches)**

**6.00**

**Casing Depths  
(in feet)**

**30**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Land owned by federal government (BLM).**

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N74

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-761362.2 E-558559.9 Ground Elevation: 4903.70 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 02-18-86

In Progress? N

Completion Date: 02-18-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

35  
37

Hole Diameters  
(in inches)

6.00  
4.25

Casing Depths  
(in feet)

35

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N75

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-761462.4 E-559075.9 Ground Elevation: 4799.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 02-19-86

In Progress? N

Completion Date: 02-20-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

35  
37

6.00  
4.25

35

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (Air Force).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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**Type of Activity: Hydrologic Holes**

**Activity Designation: USW UZ-N76**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**  
**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-761353.2 E-559047.7 Ground Elevation: 4958.00 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 11-21-84**

**In Progress? N**

**Completion Date: 11-26-84**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**40**

**Hole Diameters  
(in inches)**

**6.00**

**Casing Depths  
(in feet)**

**35**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Junk in hole; depth unknown. Land owned by federal government (BLM).**

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N77

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-755526.1 E-554397.2 Ground Elevation: 3900.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 11-30-84

In Progress? N

Completion Date: 11-30-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N78

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-757557.8 E-556262.3 Ground Elevation: 4182.20 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 12-10-84

In Progress? N

Completion Date: 12-11-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

30

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

30

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N79

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-757733.2 E-556333.9 Ground Elevation: 4154.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 12-07-84

In Progress? N

Completion Date: 12-10-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

32

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

32

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).



Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N80

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-757634.3 E-557201.1 Ground Elevation: 4332.20 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 12-06-84

In Progress? N

Completion Date: 12-07-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

52

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

52

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N81

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-757867.1 E-555595.1 Ground Elevation: 4065.20 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 12-03-84

In Progress? N

Completion Date: 12-06-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

70

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

70

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N82

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-757498.1 E-554689.7 Ground Elevation: 3974.80 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 11-30-84

In Progress? N

Completion Date: 12-03-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

40

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

40

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N83

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-760624.2 E-556349.0 Ground Elevation: 4157.40 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 12-12-84

In Progress? N

Completion Date: 12-13-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

70

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

70

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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**Type of Activity: Hydrologic Holes**

**Activity Designation: USW UZ-N84**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**

**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-760717.0 E-555887.8 Ground Elevation: 4111.80 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 12-12-84**

**In Progress? N**

**Completion Date: 12-19-84**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**45**

**Hole Diameters  
(in inches)**

**6.00**

**Casing Depths  
(in feet)**

**45**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: 12-19-84: Recompletion date. Land owned by federal government (BLM).**

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

**Type of Activity: Hydrologic Holes**

**Activity Designation: UE-25 UZN#85**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**

**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-750715.8 E-577567.8 Ground Elevation: 3337.10 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 05-06-85**

**In Progress? N**

**Completion Date: 05-08-85**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**80**

**Hole Diameters  
(in inches)**

**6.00**

**Casing Depths  
(in feet)**

**80**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Originally listed as USW UZ-N85. Land owned by federal government (NTS).**

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N86

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-780614.5 E-556460.3 Ground Elevation: 4171.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 12-18-84

In Progress? N

Completion Date: 12-18-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

30

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

30

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N87

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3484-196

Location (Nevada State Plane Coordinates): N-760714.1 E-555887.1 Ground Elevation: 4111.60 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 12-20-84

In Progress? N

Completion Date: 12-20-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

45

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

45

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).



**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N88

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-760796.9 E-556551.2 Ground Elevation: 4201.70 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 12-17-84

In Progress? N

Completion Date: 12-17-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

30

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

30

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N89

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-760610.4 E-555588.7 Ground Elevation: 4089.60 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 12-19-84

In Progress? N

Completion Date: 12-19-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

45

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

45

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N90

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-760608.4 E-555587.2 Ground Elevation: 4089.60 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 12-14-84

In Progress? N

Completion Date: 12-17-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

45

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

45

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

**Type of Activity: Hydrologic Holes**

**Activity Designation: UE-25 UZN#92**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**

**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-778009.5 E-583558.5 Ground Elevation: 3669.20 ft**

**Surveyed (Yes or No): Y.**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date:**

**In Progress? N**

**Completion Date: 01-15-86**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**105  
120**

**Hole Diameters  
(in inches)**

**6.00  
4.25**

**Casing Depths  
(in feet)**

**105**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Land owned by federal government (NTS).**

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N93

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-759584.3 E-558320.7 Ground Elevation: 4924.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 07-27-84

In Progress? N

Completion Date: 07-27-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

40

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

40

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N94

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-759723.5 E-558236.2 Ground Elevation: 4926.10 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 08-15-84

In Progress? N

Completion Date: 08-15-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

30

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

30

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N95

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3484-196

Location (Nevada State Plane Coordinates): N-759899.0 E-558172.3 Ground Elevation: 4929.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 08-15-84

In Progress? N

Completion Date: 08-16-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

20

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

20

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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**Type of Activity:** Hydrologic Holes

**Activity Designation:** USW UZ-N96

**Type of Investigation:** Unsaturated Zone: Neutron

**WBS Number:** 1.2.3.3.4.G

**Work Order Number:** 3404-196

**Location (Nevada State Plane Coordinates):** N-759445.8 E-558403.1 Ground Elevation: 4893.40 ft

**Surveyed (Yes or No):** Y

**Type of Survey:** A/B

**Surveyor (Organization):** Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

**Spud Date:** 08-16-84

**In Progress?** N

**Completion Date:** 08-16-84

**Abandoned?** N

**Plugged/Date:**

**Manner:** N/A

**Hole Depths**  
**(in feet)**

35

**Hole Diameters**  
**(in inches)**

6.00

**Casing Depths**  
**(in feet)**

35

**Casing Diameters**  
**(in inches)**

5.00 ID

**Data Source:** DOE/NV/10322-21: HOLE HISTORY

**Originator:** F&S

**Storage Location:** F&S, Mercury, NV.

**Purpose of Activity:** Monitor natural infiltration rates.

**Comment:** Land owned by federal government (BLM).



Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#97

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-763093.8 E-565320.6 Ground Elevation: 3958.10 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 11-25-85

In Progress? N

Completion Date: 11-26-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

60

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

60

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Remarks: Originally named #28A. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N98

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3484-196

Location (Nevada State Plane Coordinates): N-767996.2 E-562883.5 Ground Elevation: 4223.10 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 02-20-86

In Progress? N

Completion Date: 02-25-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet).

75

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

31

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (Air Force).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZNC#1

Type of Investigation: Unsaturated Zone: Neutron calibr

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-764670.6 E-566158.9 Ground Elevation: 3928.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 02-26-86

In Progress? N

Completion Date: 02-26-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

5

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

5

Casing Diameters  
(in inches)

6.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Calibrating neutron moisture probes.

Comment: Remarks: Casing pulled and holes backfilled 4-10-86, and a ditch was then dug through the location. Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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**Type of Activity:** Hydrologic Holes

**Activity Designation:** UE-25 UZNC#2

**Type of Investigation:** Unsaturated Zone: Neutron calibr

**WBS Number:** 1.2.3.3.4.G

**Work Order Number:** 3484-196

**Location (Nevada State Plane Coordinates):** N-764668.4 E-566157.5 **Ground Elevation:** 3928.40 ft

**Surveyed (Yes or No):** Y

**Type of Survey:** A/B

**Surveyor (Organization):** Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

**Spud Date:** 02-26-86

**In Progress?** N

**Completion Date:** 02-26-86

**Abandoned?** N

**Plugged/Date:**

**Manner:** N/A

**Hole Depths**  
**(in feet)**

5

**Hole Diameters**  
**(in inches)**

6.00

**Casing Depths**  
**(in feet)**

5

**Casing Diameters**  
**(in inches)**

6.00 ID

**Data Source:** DOE/NV/10322-21: HOLE HISTORY

**Originator:** F&S

**Storage Location:** F&S Mercury, NV.

**Purpose of Activity:** Calibrating neutron moisture probes.

**Comment: Remarks:** Casing pulled and holes backfilled 04-10-86, and a ditch was then dug through the location. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-29 UZN#91

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-797275.0 E-585340.9 Ground Elevation: 3946.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 01-16-86

In Progress? N

Completion Date: 01-21-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

89  
94

Hole Diameters  
(in inches)

6.00  
4.25

Casing Depths  
(in feet)

89

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 TC #1

Type of Investigation: Logging Feasibility Test:Test Cell "C"

WBS Number: 1.2.3.2.2

Work Order Number: 3404-129

Location (Nevada State Plane Coordinates): N-756482.7 E-612896.7 Ground Elevation: 3753.60 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 03-27-86

In Progress? N

Completion Date: 04-30-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

30

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

30

Casing Diameters  
(in inches)

5.50 ID

Data Source: ATLAS #4: F&S NNWSI HOLES, 09-20-86

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Logging feasibility test at test cell C.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 TC #2

Type of Investigation: Logging Feasibility Test:Test Cell "C"

WBS Number: 1.2.3.2.2

Work Order Number: 3404-129

Location (Nevada State Plane Coordinates): N-756485.1 E-612898.2 Ground Elevation: 3753.60 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 03-27-86

In Progress? N

Completion Date: 04-30-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

30

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

30

Casing Diameters  
(in inches)

5.50 ID

Data Source: ATLAS #4: F&S NNWSI HOLES, 09-20-86

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Logging feasibility test at test cell C.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 TC #3

Type of Investigation: Seismic: Test Cell "C"

WBS Number: 1.2.3.2.2

Work Order Number: 3404-129

Location (Nevada State Plane Coordinates): N-756806.0 E-613079.1 Ground Elevation: 3762.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 03-27-86

In Progress? N

Completion Date: 04-30-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

42  
45

Hole Diameters  
(in inches)

6.00  
4.25

Casing Depths  
(in feet)

5

Casing Diameters  
(in inches)

5.50 ID

Data Source: ATLAS #4: F&S NNWSI HOLES, 09-20-86

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Conduct seismic tests.

Comment: Land owned by federal government (NTS).



Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 TC #4

Type of Investigation: Seismic: Test Cell "C"

WBS Number: 1.2.3.2.2  
Work Order Number: 3404-129

Location (Nevada State Plane Coordinates): N-756860.0 E-613094.6 Ground Elevation: 3764.30 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 03-27-86

In Progress? N

Completion Date: 04-30-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

42  
45

6.00  
4.25

5

5.50 ID

Data Source: ATLAS #4: F&S NNWSI HOLES, 09-20-86

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Conduct seismic tests.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#1

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-769328.9 E-565224.3 Ground Elevation: 3995.10 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 10-17-84

In Progress? N

Completion Date: 10-18-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

**Type of Activity: Hydrologic Holes**

**Activity Designation: UE-25 UZN#2**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**

**Work Order Number: 3404-186**

**Location (Nevada State Plane Coordinates): N-768605.5 E-566113.6 Ground Elevation: 3947.20 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 8, NTS**

**Status:**

**Spud Date: 06-11-84**

**In Progress? N**

**Completion Date: 06-14-84**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**50**

**Hole Diameters  
(in inches)**

**6.00**

**Casing Depths  
(in feet)**

**50**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Land owned by federal government (NTS).**

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

**Type of Activity: Hydrologic Holes**

**Activity Designation: UE-25 UZN#3**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**

**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-768630.4 E-566119.4 Ground Elevation: 3940.80 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 06-15-84**

**In Progress? N**

**Completion Date: 06-15-84**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**15**

**Hole Diameters  
(in inches)**

**6.00**

**Casing Depths  
(in feet)**

**15**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Land owned by federal government (NTS).**

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

**Type of Activity: Hydrologic Holes**

**Activity Designation: UE-25 UZN#4**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**

**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-768663.4 E-566127.1 Ground Elevation: 3940.80 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 06-15-84**

**In Progress? N**

**Completion Date: 06-15-84**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**30**

**Hole Diameters  
(in inches)**

**6.00**

**Casing Depths  
(in feet)**

**30**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Land owned by federal government (NTS).**

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#5

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-768689.4 E-566133.8 Ground Elevation: 3942.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 06-18-84

In Progress? N

Completion Date: 06-21-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#6

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-768705.6 E-566136.6 Ground Elevation: 3938.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 06-21-84

In Progress? N

Completion Date: 06-22-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

45

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

45

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#7

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-106

Location (Nevada State Plane Coordinates): N-768724.1 E-566141.2 Ground Elevation: 3938.80 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 07-13-84

In Progress? N

Completion Date: 07-16-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

45

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

45

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).



**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#8

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-768743.0 E-566146.5 Ground Elevation: 3938.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 07-16-84

In Progress? N

Completion Date: 07-17-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

45

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

45

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#9

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-768781.5 E-566155.9 Ground Elevation: 3941.20 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 07-17-84

In Progress? N

Completion Date: 07-18-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

40

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

40

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#10

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-769868.6 E-564744.1 Ground Elevation: 4038.30 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 12-02-85

In Progress? N

Completion Date: 12-04-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

94  
99

6.00  
4.25

94

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#10

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-769868.6 E-564744.1 Ground Elevation: 4038.30 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 12-02-85

In Progress? N

Completion Date: 12-04-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

94  
99

Hole Diameters  
(in inches)

6.00  
4.25

Casing Depths  
(in feet)

94

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#12

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-768650.9 E-566695.2 Ground Elevation: 3906.80 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 07-23-84

In Progress? N

Completion Date: 07-24-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#13

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-768024.6 E-568255.1 Ground Elevation: 3821.30 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 07-18-84

In Progress? N

Completion Date: 07-19-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

65

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

65

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#14

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-767967.2 E-568232.9 Ground Elevation: 3823.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 07-20-84

In Progress? N

Completion Date: 07-23-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

55

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

55

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN #18

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-786472.4 E-565246.5 Ground Elevation: 4018.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 05-16-84

In Progress? N

Completion Date: 05-18-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

61

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

61

Casing Diameters  
(in inches)

5.50 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Natural infiltration monitoring.

Comment: Revised 03-18-85 elevation for ground and casing. Land owned by federal government (NTS).



**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#19

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-198

Location (Nevada State Plane Coordinates): N-763688.9 E-564570.6 Ground Elevation: 4024.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 11-06-85

In Progress? N

Completion Date: 11-08-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

40

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

40

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#20

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-763759.9 E-564579.3 Ground Elevation: 4027.20 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 05-15-84

In Progress? N

Completion Date: 05-16-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

41

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

41

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Revised 01-16-85 station number. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#21

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-763806.1 E-564591.0 Ground Elevation: 4027.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 11-08-85

In Progress? N

Completion Date: 11-14-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

40  
42

Hole Diameters  
(in inches)

6.00  
3.94

Casing Depths  
(in feet)

40

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#22

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-763880.3 E-564604.5 Ground Elevation: 4028.80 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 11-14-85

In Progress? N

Completion Date: 11-18-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

94  
95

6.00  
3.94

89

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

**Type of Activity: Hydrologic Holes**

**Activity Designation: UE-25 UZN#23**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**

**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-763973.1 E-564545.4 Ground Elevation: 4043.10 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 11-19-85**

**In Progress? N**

**Completion Date: 11-21-85**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**35**

**Hole Diameters  
(in inches)**

**6.00**

**Casing Depths  
(in feet)**

**35**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Land owned by federal government (NTS).**

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#28

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-763091.2 E-565319.7 Ground Elevation: 3958.10 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 11-21-85

In Progress? N

Completion Date: 11-25-85

Abandoned? Y

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

25  
26

6.00  
4.00

25

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Abandoned after failure to retrieve drive sample tube. Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

**Type of Activity: Hydrologic Holes**

**Activity Designation: UE-25 UZN#29**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**

**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-762613.1 E-565173.3 Ground Elevation: 3972.90 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 11-26-85**

**In Progress? N**

**Completion Date: 11-27-85**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**35**

**Hole Diameters  
(in inches)**

**6.00**

**Casing Depths  
(in feet)**

**35**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Land owned by federal government (NTS).**

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N24

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-768005.4 E-562054.2 Ground Elevation: 4226.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date:

In Progress? N

Completion Date: 02-26-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

75

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

30

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: 02-26-86 is the third recompletion. Land owned by federal government (Air Force).



**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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**Type of Activity:** Hydrologic Holes

**Activity Designation:** USW UZ-N25

**Type of Investigation:** Unsaturated Zone: Neutron

**WBS Number:** 1.2.3.3.4.G  
**Work Order Number:** 3404-196

**Location (Nevada State Plane Coordinates):** N-768430.4 E-561218.9 **Ground Elevation:** 4334.70 ft

**Surveyed (Yes or No):** Y

**Type of Survey:** A/B

**Surveyor (Organization):** Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

**Spud Date:** 02-11-86

**In Progress?** N

**Completion Date:** 02-12-86

**Abandoned?** N

**Plugged/Date:**

**Manner:** N/A

**Hole Depths**  
**(in feet)**

59

**Hole Diameters**  
**(in inches)**

6.00

**Casing Depths**  
**(in feet)**

59

**Casing Diameters**  
**(in inches)**

5.00 ID

**Data Source:** DOE/NV/10322-21: HOLE HISTORY

**Originator:** F&S

**Storage Location:** F&S, Mercury, NV.

**Purpose of Activity:** Monitor natural infiltration rates.

**Comment:** Land owned by federal government (Air Force).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

**Type of Activity: Hydrologic Holes**

**Activity Designation: USW UZ-N26**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**

**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-768757.2 E-561022.9 Ground Elevation: 4384.10 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date:**

**In Progress? N**

**Completion Date: 02-11-86**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**35**

**Hole Diameters  
(in inches)**

**6.00**

**Casing Depths  
(in feet)**

**35**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Land owned by federal government (Air Force).**

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#30

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-762047.6 E-565232.8 Ground Elevation: 3958.80 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 11-27-85

In Progress? N

Completion Date: 12-02-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

35

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

35

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N40

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-766175.8 E-564221.3 Ground Elevation: 4079.40 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 12-19-85

In Progress? N

Completion Date: 01-07-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

35

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

35

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (Air Force).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N41

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-765867.2 E-563520.9 Ground Elevation: 4117.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 12-12-85

In Progress? N

Completion Date: 12-16-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

35  
37

Hole Diameters  
(in inches)

6.00  
4.25

Casing Depths  
(in feet)

35

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (Air Force).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N42

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-198

Location (Nevada State Plane Coordinates): N-765728.6 E-562858.5 Ground Elevation: 4179.10 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 8, NTS

**Status:**

Spud Date: 12-16-85

In Progress? N

Completion Date: 12-17-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

35  
40

Hole Diameters  
(in inches)

6.00  
4.25

Casing Depths  
(in feet)

35

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (Air Force).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N43

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-785997.0 E-563263.6 Ground Elevation: 4149.40 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 12-05-85

In Progress? N

Completion Date: 12-09-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

45

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

45

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (Air Force).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N44

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3484-196

Location (Nevada State Plane Coordinates): N-766192.5 E-563139.6 Ground Elevation: 4161.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 12-18-85

In Progress? N

Completion Date: 12-19-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

35  
36

Hole Diameters  
(in inches)

6.00  
4.25

Casing Depths  
(in feet)

35

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (Air Force).



**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

**Type of Activity: Hydrologic Holes**

**Activity Designation: USW UZ-N45**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**

**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-765976.7 E-563429.2 Ground Elevation: 4129.90 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 12-09-85**

**In Progress? N**

**Completion Date: 12-12-85**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**45**

**Hole Diameters  
(in inches)**

**6.00**

**Casing Depths  
(in feet)**

**45**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Land owned by federal government (Air Force).**

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N46

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-772262.3 E-559747.7 Ground Elevation: 4500.50 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date:

In Progress? N

Completion Date: 01-31-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depth  
(in feet)

99

Hole Diameter  
(in inches)

6.00

Casing Depth  
(in feet)

99

Casing Diameter  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Recompleted on 01-31-86. Land owned by federal government (Air Force).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N47

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-771967.5 E-559783.5 Ground Elevation: 4480.40 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date:

In Progress? N

Completion Date: 01-29-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

85  
86

Hole Diameters  
(in inches)

6.00  
4.25

Casing Depths  
(in feet)

85

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (Air Force).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N48

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-760834.9 E-562413.6 Ground Elevation: 4211.10 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 01-07-86

In Progress? N

Completion Date: 01-08-86

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

35

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

35

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

**Type of Activity: Hydrologic Holes**

**Activity Designation: USW UZ-N49**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**  
**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-760860.4 E-562321.8 Ground Elevation: 4228.50 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 01-09-86**

**In Progress? N**

**Completion Date: 01-10-86**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**35  
36**

**Hole Diameters  
(in inches)**

**6.00  
4.25**

**Casing Depths  
(in feet)**

**35**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Land owned by federal government (BLM).**

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N50

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-760775.9 E-562911.7 Ground Elevation: 4173.20 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 08-24-84

In Progress? N

Completion Date: 08-24-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

20

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

20

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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**Type of Activity: Hydrologic Holes**

**Activity Designation: USW UZ-N51**

**Type of Investigation: Unsaturated Zone: Neutron**

**WBS Number: 1.2.3.3.4.G**

**Work Order Number: 3404-196**

**Location (Nevada State Plane Coordinates): N-760860.8 E-562909.4 Ground Elevation: 4169.00 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 08-24-84**

**In Progress? N**

**Completion Date: 08-24-84**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**20**

**Hole Diameters  
(in inches)**

**6.00**

**Casing Depths  
(in feet)**

**20**

**Casing Diameters  
(in inches)**

**5.00 ID**

**Data Source: DOE/NV/10322-21: HOLE HISTORY**

**Originator: F&S**

**Storage Location: F&S, Mercury, NV.**

**Purpose of Activity: Monitor natural infiltration rates.**

**Comment: Land owned by federal government (BLM).**

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N52

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-760893.8 E-562908.8 Ground Elevation: 4172.20 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 08-24-84

In Progress? N

Completion Date: 08-24-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

25

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

25

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).



Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#56

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G  
Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-760393.5 E-565480.0 Ground Elevation: 3959.80 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 08-23-84

In Progress? N

Completion Date: 08-23-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

60

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

60

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\*  
(Sorted by Type and Source)

Type of Activity: Hydrologic Holes

Activity Designation: UE-25 UZN#60

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-759756.9 E-566567.0 Ground Elevation: 3892.10 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 08-21-84

In Progress? N

Completion Date: 08-23-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

35

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

35

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: HYDROLOGIC HOLES: UNSATURATED ZONE\***  
**(Sorted by Type and Source)**

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Type of Activity: Hydrologic Holes

Activity Designation: USW UZ-N65

Type of Investigation: Unsaturated Zone: Neutron

WBS Number: 1.2.3.3.4.G

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-758627.1 E-562537.1 Ground Elevation: 4371.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 11-27-84

In Progress? N

Completion Date: 11-27-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

6.00

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

5.00 ID

Data Source: DOE/NV/10322-21: HOLE HISTORY

Originator: F&S

Storage Location: F&S, Mercury, NV.

Purpose of Activity: Monitor natural infiltration rates.

Comment: Land owned by federal government (BLM).

4.1.6

Drillhole Information Report  
Activity Type: VOLCANIC HOLE\*  
(Sorted by Type and Source)

Type of Activity: Volcanic Hole

Activity Designation: USW VH-1

Type of Investigation: Hydrologic (multipurpose)

WBS Number: 1.2.3.3

Work Order Number: 3404-117

Location (Nevada State Plane Coordinates): N-743355.5 E-533626.0 Ground Elevation: 3161.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 10-28-80

In Progress? N

Completion Date: 02-18-81

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

52  
912  
2501

Hole Diameters  
(in inches)

12.25  
8.75  
6.25

Casing Depths  
(in feet)

48  
911

Casing Diameters  
(in inches)

8.92 ID  
6.97 ID

Data Source: DOE/NV/10322-17

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain hydrologic, geologic, geophysical data to help determine the volcanic eruption rate in Crater Flat, the aeromagnetic anomalies east of Red & Black volcanic cones, & to help define rate of vertical tectonism in western Crater Flat.

Comment: Revised 03-03-86 elevation for ground and top of casing. 35 geophysical logs run. Junk: Electric log tool at 2484', 01-13-81; and #2 hammer at 830', 01-22-81. Pump in hole at 695' on 2.675" tubing with 1.9' tubing monitor at 674', 07-08-82. Land owned by federal government (BLM).

Drillhole Information Report  
Activity Type: VOLCANIC HOLE\*  
(Sorted by Type and Source)

Type of Activity: Volcanic Hole

Activity Designation: USW VH-2

Type of Investigation: Hydrologic (multipurpose)

WBS Number: 1.2.3.3

Work Order Number: 3404-155A

Location (Nevada State Plane Coordinates): N-748319.4 E-526264.2 Ground Elevation: 3197.10 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 02-15-83

In Progress? N

Completion Date: 04-27-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

20  
197  
716  
4000

17.50  
12.25  
8.75  
3.94

19  
198  
720  
3986

12.61 ID  
8.92 ID  
4.95 ID  
1.62 ID

Data Source: DOE/NV/10322-17

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain hydrologic, geologic, geophysical data to help determine the volcanic eruption rate in Crater Flat, the aeromagnetic anomalies east of Red & Black volcanic cones, & to help define rate of vertical tectonism in Western Crater Flat.

Comment: Revised 03-03-86 elevation for ground and top of casing. Pump in hole at 695ft. on 07-08-82. 36 geophysical logs run. Land owned by federal government. (BLM)

4.1.8

**Drillhole Information Report**  
**Activity Type: REPOSITORY FACILITY\***  
**(Sorted by Type and Source)**

**Type of Activity: Repository Facility**

**Activity Designation: UE-25 RF#1**

**Type of Investigation: Geophysical**

**WBS Number: 1.2.4.2.1**

**Work Order Number: 9222-214**

**Location (Nevada State Plane Coordinates): N-762189.7 E-570889.9 Ground Elevation: 3688.50 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 01-23-84**

**In Progress? N**

**Completion Date: 02-05-84**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**98  
145**

**Hole Diameters  
(in inches)**

**9.88  
8.75**

**Casing Depths  
(in feet)**

**99**

**Casing Diameters  
(in inches)**

**7.63 OD**

**Data Source: DOE/NV/10322-11**

**Originator: F&S**

**Storage Location: F&S Mercury, NV**

**Purpose of Activity: To provide samples and alluvial thickness determinations.**

**Comment: Sloughing encountered at 85'. Land owned by federal government (NTS).**



Drillhole Information Report  
Activity Type: REPOSITORY FACILITY  
(Sorted by Type and Source)

Type of Activity: Repository Facility

Activity Designation: UE-25 RF#2

Type of Investigation: Geophysical

WBS Number: 1.2.4.2.1

Work Order Number: 9222-214

Location (Nevada State Plane Coordinates): N-758800.0 E-570334.8 Ground Elevation: 3656.80 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 01-18-84

In Progress? N

Completion Date: 01-23-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

52

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

29

Casing Diameters  
(in inches)

7.88 OD

Data Source: DOE/NV/10322-11

Originator: F&S

Storage Location: F&S Mercury, NV

Purpose of Activity: To provide samples and alluvial thickness determinations.

Comment: Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: REPOSITORY FACILITY\***  
**(Sorted by Type and Source)**

**Type of Activity: Repository Facility**

**Activity Designation: UE-25 RF#3**

**Type of Investigation: Geophysical**

**WBS Number: 1.2.4.2.1**

**Work Order Number: 9222-227**

**Location (Nevada State Plane Coordinates): N-765575.1 E-571100.0 Ground Elevation: 3657.70 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 03-30-84**

**In Progress? N**

**Completion Date: 04-09-84**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**151  
301**

**Hole Diameters  
(in inches)**

**9.88  
4.50**

**Casing Depths  
(in feet)**

**138**

**Casing Diameters  
(in inches)**

**8.00 ID**

**Data Source: DOE/NV/10322-11**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity: To provide samples and alluvial thickness determinations.**

**Comment: Hole recompleted 07-22-85 (reentered and drilled). Land owned by federal government.(NTS)**

**Drillhole Information Report**  
**Activity Type: REPOSITORY FACILITY\***  
**(Sorted by Type and Source)**

**Type of Activity:** Repository Facility

**Activity Designation:** UE-25RF#3B

**Type of Investigation:** Geophysical

**WBS Number:** 1.2.4.2.1

**Work Order Number:** 9222-227

**Location (Nevada State Plane Coordinates):** N-765695.3 E-571065.6 **Ground Elevation:** 3661.10 ft

**Surveyed (Yes or No):** Y

**Type of Survey:** A/B

**Surveyor (Organization):** Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

**Spud Date:** 07-18-85

**In Progress?** N

**Completion Date:** 07-23-85

**Abandoned?** N

**Plugged/Date:**

**Manner:** N/A

**Hole Depths**  
**(in feet)**

106  
111

**Hole Diameters**  
**(in inches)**

6.00  
3.94

**Casing Depths**  
**(in feet)**

106

**Casing Diameters**  
**(in inches)**

5.50 OD

**Data Source:** DOE/NV/10322-11

**Originator:** F&S

**Storage Location:** F&S Mercury, NV.

**Purpose of Activity:** To provide samples and alluvial thickness determinations.

**Comment:** Completion date of 07-24-85 reported in Hole Condition Summary. Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: REPOSITORY FACILITY\***  
**(Sorted by Type and Source)**

Type of Activity: Repository Facility

Activity Designation: UE-25 RF#4

Type of Investigation: Geophysical

WBS Number: 1.2.4.2.1

Work Order Number: 9222-214

Location (Nevada State Plane Coordinates): N-762090.8 E-572063.2 Ground Elevation: 3636.80 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

Spud Date: 02-10-84

In Progress? N

Completion Date: 02-28-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

36  
280  
306

Hole Diameters  
(in inches)

9.88  
6.75  
3.90

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

Data Source: DOE/NV/10322-11

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To provide samples and alluvial thickness determinations.

Comment: Land owned by the federal government (NTS).

Drillhole Information Report  
Activity Type: REPOSITORY FACILITY\*  
(Sorted by Type and Source)

Type of Activity: Repository Facility

Activity Designation: UE-25 RF#5

Type of Investigation: Repository Facility

WBS Number: 1.2.4.2.1

Work Order Number: 9222-214

Location (Nevada State Plane Coordinates): N-759198.7 E-568097.7 Ground Elevation: 3813.70 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 05-24-84

In Progress? N

Completion Date: 05-30-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

112  
122

Hole Diameters  
(in inches)

9.88  
3.94

Casing Depths  
(in feet)

112

Casing Diameters  
(in inches)

8.00 ID

Data Source: DOE/NV/10322-11

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To provide samples and alluvial thickness determinations.

Comment: Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: REPOSITORY FACILITY\***  
**(Sorted by Type and Source)**

**Type of Activity:** Repository Facility

**Activity Designation:** UE-25 RF#7A

**Type of Investigation:** Geophysical

**WBS Number:** 1.2.4.2.1

**Work Order Number:** 9222-214

**Location (Nevada State Plane Coordinates):** N-768767.8 E-570288.8 **Ground Elevation:** 3755.90 ft

**Surveyed (Yes or No):** Y

**Type of Survey:** A/B

**Surveyor (Organization):** Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

**Spud Date:** 06-29-84

**In Progress?** N

**Completion Date:** 07-06-84

**Abandoned?** N

**Plugged/Date:**

**Manner:** N/A

**Hole Depths**  
**(in feet)**

150  
153

**Hole Diameters**  
**(in inches)**

9.88  
3.94

**Casing Depths**  
**(in feet)**

18

**Casing Diameters**  
**(in inches)**

8.00 ID

**Data Source:** DOE/NV/10322-11

**Originator:** F&S

**Storage Location:** F&S Mercury, NV.

**Purpose of Activity:** To provide samples and alluvial thickness determinations.

**Comment:** Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: REPOSITORY FACILITY•**  
**(Sorted by Type and Source)**

**Type of Activity: Repository Facility**

**Activity Designation: UE-25 RF#8**

**Type of Investigation: Geophysical**

**WBS Number: 1.2.4.2.1**

**Work Order Number: 9222-214**

**Location (Nevada State Plane Coordinates): N-765630.8 E-566789.9 Ground Elevation: 3787.90 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 07-09-84**

**In Progress? N**

**Completion Date: 07-12-84**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**Hole Diameters  
(in inches)**

**Casing Depths  
(in feet)**

**Casing Diameters  
(in inches)**

**90  
128**

**9.88  
3.94**

**90**

**8.00 ID**

**Data Source: DOE/NV/10322-11**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity: To provide samples and alluvial thickness determinations.**

**Comment: Land owned by federal government (NTS).**

**Drillhole Information Report**  
**Activity Type: REPOSITORY FACILITY\***  
**(Sorted by Type and Source)**

**Type of Activity:** Repository Facility

**Activity Designation:** UE-25 RF#9

**Type of Investigation:** Geophysical

**WBS Number:** 1.2.4.2.1

**Work Order Number:** 9222-227

**Location (Nevada State Plane Coordinates):** N-765945.0 E-570643.3 **Ground Elevation:** 3674.00 ft

**Surveyed (Yes or No):** Y

**Type of Survey:** A/B

**Surveyor (Organization):** Holmes & Narver Survey Dept., Area 6, NTS

**Status:**

**Spud Date:** 06-27-85

**In Progress?** N

**Completion Date:** 07-09-85

**Abandoned?** N

**Plugged/Date:**

**Manner:** N/A

**Hole Depths**  
**(in feet)**

106

**Hole Diameters**  
**(in inches)**

9.88

**Casing Depths**  
**(in feet)**

106

**Casing Diameters**  
**(in inches)**

6.00 OD

**Data Source:** DOE/NV/10322-11

**Originator:** F&S

**Storage Location:** F&S Mercury, NV.

**Purpose of Activity:** To Provide Samples and Alluvial Thickness Determinations

**Comment:** Stated elevation is west of casing. Elevation east of casing: 3672.3ft. Land owned by federal government. (NTS)  
T/cog.



Drillhole Information Report  
Activity Type: REPOSITORY FACILITY\*  
(Sorted by Type and Source)

Type of Activity: Repository Facility

Activity Designation: UE-25 RF#7

Type of Investigation: Geophysical

WBS Number: 1.2.4.2.1

Work Order Number: 9222-214

Location (Nevada State Plane Coordinates): N-768804.0 E-571170.9 Ground Elevation: 3756.10 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 05-31-84

In Progress? N

Completion Date: 06-06-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

140  
150

Hole Diameters  
(in inches)

9.88  
3.94

Casing Depths  
(in feet)

100

Casing Diameters  
(in inches)

8.00 ID

Data Source: F&S DRILLING & MINING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To provide samples and alluvial thickness determinations.

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: REPOSITORY FACILITY\*  
(Sorted by Type and Source)

Type of Activity: Repository Facility

Activity Designation: UE-25 RF#10

Type of Investigation: Geophysical

WBS Number: 1.2.4.2.1

Work Order Number: 9222-227

Location (Nevada State Plane Coordinates): N-765307.7 E-570229.9 Ground Elevation: 3669.70 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 07-24-85

In Progress? N

Completion Date: 07-29-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

60

Hole Diameters  
(in inches)

9.88

Casing Depths  
(in feet)

60

Casing Diameters  
(in inches)

6.00 OD

Data Source: DOE/NV/10322-11

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To provide samples and alluvial data determinations.

Comment: Stated elevation is west of casing. Elevation east of casing is 3670.5'. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: REPOSITORY FACILITY\*  
(Sorted by Type and Source)

Type of Activity: Repository Facility

Activity Designation: UE-25 RF#11

Type of Investigation: Geophysical

WBS Number: 1.2.4.2.1

Work Order Number: 9222-243

Location (Nevada State Plane Coordinates): N-785621.5 E-570434.6 Ground Elevation: 3665.40 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 07-30-85

In Progress? N

Completion Date: 08-02-85

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

78

Hole Diameters  
(in inches)

9.88

Casing Depths  
(in feet)

78

Casing Diameters  
(in inches)

6.00 OD

Data Source: DOE/NV/10322-11

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: To obtain samples and alluvial thickness determinations.

Comment: Elevation stated is west of casing. Elevation east of casing is 3665.9'. Land owned by federal government (NTS).

4.1.8

Drillhole Information Report  
Activity Type: WATER WELL\*  
(Sorted by Type and Source)

Type of Activity: Water Well

Activity Designation: J-11

Type of Investigation: Water Well

WBS Number: 1.2.3.3

Work Order Number: 3404-103

Location (Nevada State Plane Coordinates): N-740968.2 E-611764.2 Ground Elevation: 3445.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date:

In Progress? N

Completion Date:

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depth  
(in feet)

1329

Hole Diameter  
(in inches)

Casing Depth  
(in feet)

1327

Casing Diameter  
(in inches)

12.75 ID

Data Source: F&S NTS DRILLING & MINING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Possible Alternate Water Source

Comment: Hole completed in 1957. Sandia instrument in hole. Land owned by federal government. (NTS)

Drillhole Information Report  
Activity Type: WATER WELL\*  
(Sorted by Type and Source)

Type of Activity: Water Well

Activity Designation: J-12

Type of Investigation: Water Well

WBS Number: 1.2.3.3

Work Order Number: 3311-001

Location (Nevada State Plane Coordinates): N-733508.2 E-581011.7 Slab Elevation: 3129.80 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date:

In Progress? N

Completion Date:

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depth  
(in feet)

1139

Hole Diameter  
(in inches)

12.75

Casing Depth  
(in feet)

887

Casing Diameter  
(in inches)

11.75 ID

Data Source: F&S NTS DRILLING & MINING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Proposed alternate water source.

Comment: Hole was recompleted in 1968. Revised 02-27-86. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: WATER WELL\*  
(Sorted by Type and Source)

Type of Activity: Water Well

Activity Designation: J-13

Type of Investigation: Water Well

WBS Number: 1.2.3.3

Work Order Number:

Location (Nevada State Plane Coordinates): N-749209.3 E-579650.6 Ground Elevation: 3317.70 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 09-12-62

In Progress? N

Completion Date: 01-08-63

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

Hole Diameters  
(in inches)

Casing Depths  
(in feet)

Casing Diameters  
(in inches)

444

18.00

444

13.38 ID

1546

11.75

1561

9.88

2020

9.00

3486

7.63

3385

5.50 ID

Data Source: F&S NTS DRILLING & MINING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Proposed source of water for MNWSI Project use.

Comment: Diameter casing is 13.375" and 11.75". Depth of casing is from 1484' to 3385'. 5.50" casing liner. Was originally designated as USGS HTH #6. Land owned by federal government (NTS). Work Order #AT (29-2)-1302.

4.1.9



**Drillhole Information Report**  
**Activity Type: GEOPHYSICAL:\***  
**(Sorted by Type and Source)**

**Type of Activity: Geophysical**

**Activity Designation: U-25 SEISMIC #1**

**Type of Investigation: Seismic Investigations**

**WBS Number: 1.2.3.2.2.2.G**  
**Work Order Number: 3404-134**

**Location (Nevada State Plane Coordinates): N-778912.6 E-560456.9 Ground Elevation: 0.00 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 09-04-81**

**In Progress? N**

**Completion Date: 09-09-81**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**200**

**Hole Diameters  
(in inches)**

**6.25**

**Casing Depths  
(in feet)**

**200**

**Casing Diameters  
(in inches)**

**4.50 ID**

**Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY**

**Originator: F&S**

**Storage Location: F&S Admin Bldg 102, Mercury, NV**

**Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).**

**Comment: PVC used as casing. Land owned by federal government (NTS).**

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #2

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3404-134

Location (Nevada State Plane Coordinates): N-779088.9 E-560362.5 Ground Elevation: 5106.60 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 09-10-81

In Progress? N

Completion Date: 09-12-81

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

200

Hole Diameters  
(in inches)

6.25

Casing Depths  
(in feet)

200

Casing Diameters  
(in inches)

4.50 OD

Data Source: ATLAS #4: F&S NNWSI HOLES 09-20-86

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).

Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).

Drillhole Information Report  
Activity Type: GEOPHYSICAL\*  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #3

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3404-134

Location (Nevada State Plane Coordinates): N-779265.1 E-560268.1 Ground Elevation: 5110.80 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 09-04-81

In Progress? N

Completion Date: 09-08-81

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

200

Hole Diameters  
(in inches)

6.25

Casing Depths  
(in feet)

200

Casing Diameters  
(in inches)

4.50 OD

Data Source: ATLAS #4: F&S NNWSI HOLES, 09-20-86

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).

Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).

**Drillhole Information Report**  
**Activity Type: GEOPHYSICAL:\***  
**(Sorted by Type and Source)**

**Type of Activity: Geophysical**

**Activity Designation: U-25 SEISMIC #4**

**Type of Investigation: Seismic Investigations**

**WBS Number: 1.2.3.2.2.2.G**  
**Work Order Number: 3404-134**

**Location (Nevada State Plane Coordinates): N-779441.4 E-560173.7 Ground Elevation: 5113.50 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 8, NTS**

**Status:**

**Spud Date: 09-03-81**

**In Progress? N**

**Completion Date: 09-04-81**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**200**

**Hole Diameters  
(in inches)**

**6.25**

**Casing Depths  
(in feet)**

**200**

**Casing Diameters  
(in inches)**

**4.50 00**

**Data Source: ATLAS #4: F&S NNWSI HOLES, 09-20-86**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).**

**Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).**

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #5

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3404-134

Location (Nevada State Plane Coordinates): N-779617.6 E-560079.3 Ground Elevation: 5120.90 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 09-02-81

In Progress? N

Completion Date: 09-03-81

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

200

Hole Diameters  
(in inches)

6.25

Casing Depths  
(in feet)

200

Casing Diameters  
(in inches)

4.50 OD

Data Source: ATLAS #4: F&S NNWSI HOLES, 09-20-86

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).

Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:\*  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #6

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.G  
Work Order Number: 3404-134

Location (Nevada State Plane Coordinates): N-779793.9 E-559984.9 Ground Elevation: 5085.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 09-01-81

In Progress? N

Completion Date: 09-02-81

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

200

Hole Diameters  
(in inches)

6.25

Casing Depths  
(in feet)

200

Casing Diameters  
(in inches)

4.50 OD

Data Source: ATLAS #4: F&S NNWSI HOLES, 09-20-86

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).

Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).

**Drillhole Information Report**  
**Activity Type: GEOPHYSICAL:\***  
**(Sorted by Type and Source)**

**Type of Activity: Geophysical**

**Activity Designation: U-25 SEISMIC #7**

**Type of Investigation: Seismic Investigations**

**WBS Number: 1.2.3.2.2.2.G**  
**Work Order Number: 3404-134**

**Location (Nevada State Plane Coordinates): N-779970.1 E-559890.5 Ground Elevation: 5141.00 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 08-30-81**

**In Progress? N**

**Completion Date: 09-12-81**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**200**

**Hole Diameters  
(in inches)**

**6.13**

**Casing Depths  
(in feet)**

**200**

**Casing Diameters  
(in inches)**

**4.50 OD**

**Data Source: ATLAS #4: F&S NNWSI HOLES, 09-20-86**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).**

**Comment: 4.50" PVC used as casing. 09-12-81 is recompleted date. Land owned by federal government (Air Force).**

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #8

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3404-134

Location (Nevada State Plane Coordinates): N-780146.0 E-559796.0 Ground Elevation: 5153.00 ft

Surveyed (Yes or No): N  
Surveyor (Organization):

Type of Survey: L/O

Status:

Spud Date: 08-27-81  
In Progress? N  
Completion Date: 09-12-81  
Abandoned? N  
Plugged/Date:  
Manner: N/A

Hole Depths  
(in feet)

4  
200

Hole Diameters  
(in inches)

6.25  
6.13

Casing Depths  
(in feet)

200

Casing Diameters  
(in inches)

4.50 OD

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S  
Storage Location: F&S Mercury, NV.

Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).

Comment: 4.50" PVC used as casing. Recompleted 09-12-81. Land owned by federal government (Air Force).



Drillhole Information Report  
Activity Type: GEOPHYSICAL\*  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #9

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3404-134

Location (Nevada State Plane Coordinates): N-780323.0 E-559702.0 Ground Elevation: 5162.00 ft

Surveyed (Yes or No): N  
Surveyor (Organization):

Type of Survey: L/O

Status:

Spud Date: 09-18-81  
In Progress? N  
Completion Date: 09-20-81  
Abandoned? N  
Plugged/Date:  
Manner: N/A

Hole Depths  
(in feet)

200

Hole Diameters  
(in inches)

6.25

Casing Depths  
(in feet)

200

Casing Diameters  
(in inches)

4.50 OD

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S  
Storage Location: F&S Mercury, NV.

Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).

Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #10

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3404-134

Location (Nevada State Plane Coordinates): N-780499.0 E-559607.0 Ground Elevation: 5171.00 ft

Surveyed (Yes or No): N  
Surveyor (Organization):

Type of Survey: L/O

Status:

Spud Date: 09-18-81  
In Progress? N  
Completion Date: 09-19-81  
Abandoned? N  
Plugged/Date:  
Manner: N/A

Hole Depths  
(in feet)

200

Hole Diameters  
(in inches)

6.25

Casing Depths  
(in feet)

200

Casing Diameters  
(in inches)

4.50 OD

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S  
Storage Location: F&S Mercury, NV.

Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).

Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).

**Drillhole Information Report**  
**Activity Type: GEOPHYSICAL:**  
**(Sorted by Type and Source)**

**Type of Activity: Geophysical**

**Activity Designation: U-25 SEISMIC #11**

**Type of Investigation: Seismic Investigations**

**WBS Number: 1.2.3.2.2.2.6**  
**Work Order Number: 3404-134**

**Location (Nevada State Plane Coordinates): N-780675.0 E-559513.0 Ground Elevation: 5179.00 ft**

**Surveyed (Yes or No): N**  
**Surveyor (Organization):**

**Type of Survey: L/O**

**Status:**

**Spud Date: 09-16-81**  
**In Progress? N**  
**Completion Date: 09-17-81**  
**Abandoned? N**  
**Plugged/Date:**  
**Manner: N/A**

**Hole Depths**  
**(in feet)**

**200**

**Hole Diameters**  
**(in inches)**

**6.25**

**Casing Depths**  
**(in feet)**

**200**

**Casing Diameters**  
**(in inches)**

**4.50 00**

**Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY**

**Originator: F&S**  
**Storage Location: F&S Mercury, NV.**

**Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).**

**Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).**

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #12

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G

Work Order Number: 3484-134

Location (Nevada State Plane Coordinates): N-780851.0 E-559419.0 Ground Elevation: 5185.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-14-81

In Progress? N

Completion Date: 09-16-81

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

200

Hole Diameters  
(in inches)

6.25

Casing Depths  
(in feet)

200

Casing Diameters  
(in inches)

4.50 OD

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).

Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).

**Drillhole Information Report**  
**Activity Type: GEOPHYSICAL:\***  
**(Sorted by Type and Source)**

**Type of Activity: Geophysical**

**Activity Designation: U-25 SEISMIC #13**

**Type of Investigation: Seismic Investigations**

**WBS Number: 1.2.3.2.2.2.G**  
**Work Order Number: 3404-134**

**Location (Nevada State Plane Coordinates): N-778736.0 E-560551.0 Ground Elevation: 5096.00 ft**

**Surveyed (Yes or No): N**  
**Surveyor (Organization):**

**Type of Survey: L/O**

**Status:**

**Spud Date: 09-13-81**  
**In Progress? N**  
**Completion Date: 09-14-81**  
**Abandoned? N**  
**Plugged/Date:**  
**Manner: N/A**

**Hole Depths**  
**(in feet)**

**200**

**Hole Diameters**  
**(in inches)**

**6.25**

**Casing Depths**  
**(in feet)**

**200**

**Casing Diameters**  
**(in inches)**

**4.50 OD**

**Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY**

**Originator: F&S**  
**Storage Location: F&S Mercury, NV.**

**Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).**

**Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).**

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #14

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3404-134

Location (Nevada State Plane Coordinates): N-778384.0 E-560740.0 Ground Elevation: 5076.00 ft

Surveyed (Yes or No): N  
Surveyor (Organization):

Type of Survey: L/O

Status:

Spud Date: 09-17-81  
In Progress? N  
Completion Date: 09-17-81  
Abandoned? N  
Plugged/Date:  
Manner: N/A

Hole Depths  
(in feet)

200

Hole Diameters  
(in inches)

6.13

Casing Depths  
(in feet)

200

Casing Diameters  
(in inches)

4.50 OD

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S  
Storage Location: F&S Mercury, NV.

Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).

Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).

Run Date: 11-apr-1988

Drillhole Information Report  
Activity Type: \*  
Activity ID: U-25 SEISMIC #15  
(Sorted by Activity Type and ID)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #15

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G

Work Order Number: 3404-134

Location (Nevada State Plane Coordinates): N-778208.0 E-560835.0 Ground Elevation: 5064.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-15-81

In Progress? N

Completion Date: 09-16-81

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

200

Hole Diameters  
(in inches)

6.25

Casing Depths  
(in feet)

200

Casing Diameters  
(in inches)

4.50 00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).

Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).

**Drillhole Information Report**  
**Activity Type: GEOPHYSICAL:**  
**(Sorted by Type and Source)**

**Type of Activity: Geophysical**

**Activity Designation: U-25 SEISMIC #16**

**Type of Investigation: Seismic Investigations**

**WBS Number: 1.2.3.2.2.2.G**  
**Work Order Number: 3404-134**

**Location (Nevada State Plane Coordinates): N-778031.0 E-560929.0 Ground Elevation: 5052.00 ft**

**Surveyed (Yes or No): N**

**Type of Survey: L/O**

**Surveyor (Organization):**

**Status:**

**Spud Date: 09-14-81**

**In Progress? N**

**Completion Date: 09-15-81**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**200**

**Hole Diameters  
(in inches)**

**6.25**

**Casing Depths  
(in feet)**

**200**

**Casing Diameters  
(in inches)**

**4.50 OD**

**Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).**

**Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).**



Drillhole Information Report  
Activity Type: GEOPHYSICAL:•  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #17

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3404-134

Location (Nevada State Plane Coordinates): N-777855.0 E-561023.0 Ground Elevation: 5040.00 ft

Surveyed (Yes or No): N  
Surveyor (Organization):

Type of Survey: L/O

Status:

Spud Date: 09-13-81  
In Progress? N  
Completion Date: 09-13-81  
Abandoned? N  
Plugged/Date:  
Manner: N/A

Hole Depth  
(in feet)

200

Hole Diameter  
(in inches)

6.25

Casing Depth  
(in feet)

200

Casing Diameter  
(in inches)

4.50 OD

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S  
Storage Location: F&S Mercury, NV.

Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).

Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:\*  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #18

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3404-134

Location (Nevada State Plane Coordinates): N-777679.0 E-561118.0 Ground Elevation: 5028.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-11-81

In Progress? N

Completion Date: 09-12-81

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

200

Hole Diameters  
(in inches)

6.13

Casing Depths  
(in feet)

200

Casing Diameters  
(in inches)

4.50 OD

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).

Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #19

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G

Work Order Number: 3404-134

Location (Nevada State Plane Coordinates): N-777503.0 E-561212.0 Ground Elevation: 5018.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-09-81

In Progress? N

Completion Date: 09-11-81

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

200

Hole Diameters  
(in inches)

6.25

Casing Depths  
(in feet)

200

Casing Diameters  
(in inches)

4.50 00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity: Seismic reflection survey shothole (seismic reflection line G-2).

Comment: 4.50" PVC used as casing. Land owned by federal government (Air Force).

Drillhole Information Report  
Activity Type: GEOPHYSICAL\*  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #20

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G

Work Order Number: 3404-192

Location (Nevada State Plane Coordinates): N-747172.5 E-593171.2 Ground Elevation: 3357.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 04-18-84

In Progress? N

Completion Date: 04-19-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

140

Hole Diameters  
(in inches)

12.25

Casing Depths  
(in feet)

140

Casing Diameters  
(in inches)

8.00 ID

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #21

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3404-192

Location (Nevada State Plane Coordinates): N-746904.2 E-569427.4 Ground Elevation: 3526.10 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 04-19-84

In Progress? N

Completion Date: 04-20-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

5  
140

Hole Diameters  
(in inches)

15.00  
10.63

Casing Depths  
(in feet)

140

Casing Diameters  
(in inches)

8.00 ID

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #22

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3484-192

Location (Nevada State Plane Coordinates): N-718334.3 E-581267.8 Ground Elevation: 2948.60 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 04-23-84

In Progress? N

Completion Date: 04-26-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

5  
144

Hole Diameters  
(in inches)

15.00  
12.25

Casing Depths  
(in feet)

139

Casing Diameters  
(in inches)

8.00 ID

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: GEOPHYSICAL\*\***  
**(Sorted by Type and Source)**

**Type of Activity: Geophysical**

**Activity Designation: U-25 SEISMIC #23**

**Type of Investigation: Seismic Investigations**

**WBS Number: 1.2.3.2.2.2.G**  
**Work Order Number: 3404-192**

**Location (Nevada State Plane Coordinates): N-741125.8 E-580246.1 Ground Elevation: 3215.30 ft**

**Surveyed (Yes or No): Y**

**Type of Survey: A/B**

**Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS**

**Status:**

**Spud Date: 04-26-84**

**In Progress? N**

**Completion Date: 04-27-84**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**145**

**Hole Diameters  
(in inches)**

**12.25**

**Casing Depths  
(in feet)**

**140**

**Casing Diameters  
(in inches)**

**8.00 ID**

**Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity:**

**Comment: Land owned by federal government (NTS).**

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-25 SEISMIC #24

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.G  
Work Order Number: 3404-192

Location (Nevada State Plane Coordinates): N-769056.8 E-580906.9 Ground Elevation: 3554.80 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 05-01-84

In Progress? N

Completion Date: 05-03-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

5  
147

Hole Diameters  
(in inches)

15.00  
12.25

Casing Depths  
(in feet)

140

Casing Diameters  
(in inches)

8.00 ID

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: Land owned by federal government (NTS).



Drillhole Information Report  
Activity Type: GEOPHYSICAL\*  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-5 SEISMIC #1

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3404-192

Location (Nevada State Plane Coordinates): N-749607.0 E-668098.7 Ground Elevation: 3868.70 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 04-11-84

In Progress? N

Completion Date: 04-13-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

140

Hole Diameters  
(in inches)

12.25

Casing Depths  
(in feet)

139

Casing Diameters  
(in inches)

8.00 ID

Data Source: ATLAS #4: F&S NWWSI HOLES 09-20-86

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:\*  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-5 SEISMIC #2

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3404-192

Location (Nevada State Plane Coordinates): N-749623.0 E-668121.7 Ground Elevation: 3867.70 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 04-11-84

In Progress? N

Completion Date: 04-16-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

5  
140

Hole Diameters  
(in inches)

15.00  
12.25

Casing Depths  
(in feet)

138

Casing Diameters  
(in inches)

8.00 ID

Data Source: ATLAS #4: F&S NMWSI HOLES 09-20-86

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-26 SEISMIC #1

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2.2.G  
Work Order Number: 3404-192

Location (Nevada State Plane Coordinates): N-746150.3 E-629834.4 Ground Elevation: 3848.40 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 04-17-84

In Progress? N

Completion Date: 04-18-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

5

Hole Diameters  
(in inches)

12.25

Casing Depths  
(in feet)

139

Casing Diameters  
(in inches)

8.00 OD

Data Source: ATLAS #3: F&S DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: Hole located in area 25. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:•  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-29 SEISMIC #1

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2

Work Order Number: 3404-192

Location (Nevada State Plane Coordinates): N-791868.4 E-585139.5 Ground Elevation: 3878.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 05-03-84

In Progress? N

Completion Date: 05-07-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

5  
142

Hole Diameters  
(in inches)

15.00  
12.25

Casing Depths  
(in feet)

137

Casing Diameters  
(in inches)

8.00 ID

Data Source: ATLAS #4: F&S MNWSI HOLES, 09-20-86

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-30 SEISMIC #1

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-837370.0 E-604819.3 Ground Elevation: 4753.00 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 05-08-84

In Progress? N

Completion Date: 05-09-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

5  
142

Hole Diameters  
(in inches)

15.00  
12.25

Casing Depths  
(in feet)

140

Casing Diameters  
(in inches)

8.00 ID

Data Source: ATLAS #4: F&S NNWSI HOLES, 09-20-86

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:\*  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: U-30 SEISMIC #2

Type of Investigation: Seismic Investigations

WBS Number: 1.2.3.2.2

Work Order Number: 3404-196

Location (Nevada State Plane Coordinates): N-837376.9 E-604800.1 Ground Elevation: 4753.70 ft

Surveyed (Yes or No): Y

Type of Survey: A/B

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Status:

Spud Date: 05-09-84

In Progress? N

Completion Date: 05-10-84

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

5  
140

Hole Diameters  
(in inches)

15.00  
12.25

Casing Depths  
(in feet)

140

Casing Diameters  
(in inches)

8.00 ID

Data Source: ATLAS #4: F&S MNWSI HOLES, 09-20-86

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #1

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-200

Location (Nevada State Plane Coordinates): N-762631.0 E-565424.0 Ground Elevation: 4259.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-23-83

In Progress? N

Completion Date: 09-26-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

53

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:\*  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #2

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762403.0 E-566427.0 Ground Elevation: 4316.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-21-83

In Progress? N

Completion Date: 09-23-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

53

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).



Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #3

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762075.0 E-572454.0 Ground Elevation: 3620.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-20-83

In Progress? N

Completion Date: 09-21-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

52

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:•  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #4

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762456.0 E-567853.0 Ground Elevation: 3800.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-19-83

In Progress? N

Completion Date: 09-19-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL\*  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #5

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762432.0 E-567853.0 Ground Elevation: 3799.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-16-83

In Progress? N

Completion Date: 09-16-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

52

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 8" hose used as casing. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:•  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #6

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762377.0 E-568551.0 Ground Elevation: 3783.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-15-83

In Progress? N

Completion Date: 09-16-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

52

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:\*  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #7

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762354.0 E-568551.0 Ground Elevation: 3783.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-14-83

In Progress? N

Completion Date: 09-15-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

52

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #8

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762317.0 E-569332.0 Ground Elevation: 3757.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-12-83

In Progress? N

Completion Date: 09-14-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

52

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #9

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762285.0 E-569329.0 Ground Elevation: 3755.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-09-83

In Progress? N

Completion Date: 09-12-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #10

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762251.0 E-570112.0 Ground Elevation: 3724.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-08-83

In Progress? N

Completion Date: 09-08-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).



Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #11

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762226.0 E-570111.0 Ground Elevation: 3724.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-07-83

In Progress? N

Completion Date: 09-07-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depth  
(in feet)

52

Hole Diameter  
(in inches)

8.75

Casing Depth  
(in feet)

50

Casing Diameter  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: GEOPHYSICAL:•**  
**(Sorted by Type and Source)**

**Type of Activity: Geophysical**

**Activity Designation: US-25 #12**

**Type of Investigation: Seismic Line**

**WBS Number: 1.2.3.2.2**

**Work Order Number: 9222-209**

**Location (Nevada State Plane Coordinates): N-762198.0 E-570894.0 Ground Elevation: 3688.00 ft**

**Surveyed (Yes or No): N**

**Type of Survey: L/O**

**Surveyor (Organization):**

**Status:**

**Spud Date: 09-06-83**

**In Progress? N**

**Completion Date: 09-07-83**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**52**

**Hole Diameters  
(in inches)**

**8.75**

**Casing Depths  
(in feet)**

**50**

**Casing Diameters  
(in inches)**

**6.00**

**Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity:**

**Comment: 6" hose used as casing. Land owned by federal government (NTS).**

Drillhole Information Report  
Activity Type: GEOPHYSICAL:\*  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #13

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762168.0 E-570891.0 Ground Elevation: 3688.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 09-02-83

In Progress? N

Completion Date: 09-06-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

52

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS # 3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:\*  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #14

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762137.0 E-571675.0 Ground Elevation: 3653.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 08-31-83

In Progress? N

Completion Date: 09-02-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #15

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762106.0 E-571670.0 Ground Elevation: 3654.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 08-30-83

In Progress? N

Completion Date: 08-31-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 8" hose used as casing. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #16

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-762046.0 E-572453.0 Ground Elevation: 3620.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 08-30-83

In Progress? N

Completion Date: 08-30-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #17

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-761986.0 E-573627.0 Ground Elevation: 3576.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 08-29-83

In Progress? N

Completion Date: 08-29-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

Drillhole Information Report  
Activity Type: GEOPHYSICAL:•  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #18

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-761895.0 E-574709.0 Ground Elevation: 3545.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 08-26-83

In Progress? N

Completion Date: 08-29-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).



Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #19

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-761746.0 E-576242.0 Ground Elevation: 3499.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 08-25-83

In Progress? N

Completion Date: 08-26-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

50

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

**Drillhole Information Report**  
**Activity Type: GEOPHYSICAL:\***  
**(Sorted by Type and Source)**

**Type of Activity: Geophysical**

**Activity Designation: US-25 #20**

**Type of Investigation: Seismic Line**

**WBS Number: 1.2.3.2.2**

**Work Order Number: 9222-209**

**Location (Nevada State Plane Coordinates): N-761613.0 E-577175.0 Ground Elevation: 3485.00 ft**

**Surveyed (Yes or No): N**

**Type of Survey: L/O**

**Surveyor (Organization):**

**Status:**

**Spud Date: 08-24-83**

**In Progress? N**

**Completion Date: 08-26-83**

**Abandoned? N**

**Plugged/Date:**

**Manner: N/A**

**Hole Depths  
(in feet)**

**50**

**Hole Diameters  
(in inches)**

**8.75**

**Casing Depths  
(in feet)**

**50**

**Casing Diameters  
(in inches)**

**6.00**

**Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY**

**Originator: F&S**

**Storage Location: F&S Mercury, NV.**

**Purpose of Activity:**

**Comment: 6" hose used as casing. Land owned by federal government (NTS).**

Drillhole Information Report  
Activity Type: GEOPHYSICAL:  
(Sorted by Type and Source)

Type of Activity: Geophysical

Activity Designation: US-25 #21

Type of Investigation: Seismic Line

WBS Number: 1.2.3.2.2

Work Order Number: 9222-209

Location (Nevada State Plane Coordinates): N-781628.0 E-578543.0 Ground Elevation: 3481.00 ft

Surveyed (Yes or No): N

Type of Survey: L/O

Surveyor (Organization):

Status:

Spud Date: 08-23-83

In Progress? N

Completion Date: 08-28-83

Abandoned? N

Plugged/Date:

Manner: N/A

Hole Depths  
(in feet)

50

Hole Diameters  
(in inches)

8.75

Casing Depths  
(in feet)

49

Casing Diameters  
(in inches)

6.00

Data Source: ATLAS #3: F&S NTS DRILLING SUMMARY

Originator: F&S

Storage Location: F&S Mercury, NV.

Purpose of Activity:

Comment: 6" hose used as casing. Land owned by federal government (NTS).

4.1.10

Run Date: 01-apr-1988 •

Geologic Pavement Information Report  
Activity Type: \*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Activity: Pavement

Activity Designation: 100

Type of Investigation: Bedrock Pavement

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: U.S. Dept. of Air Force

Location (Nevada State Plane Coordinates): N-765,345 E-561,870

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Site Preparation Date: July, 1964

Dimensions of Pavement Study Area: 2300 square feet 213.7 square meters

Site Reclaimed (Yes or No): No

Date of Reclamation:

Source: Atlas #13: Field Study Notes

Originator: Christopher C. Barton

Location of Data: USGS, Denver West, Golden, CO; and USGS,  
Mercury, NV

Purpose of Activity: Characterizing fractured rock for fluid flow, geomechanical and paleostress modeling.

Comments: Data acquisition to be completed after stop work order is lifted.

Run Date: 01-apr-1988

Geologic Pavement Information Report  
Activity Type: \*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Activity: Pavement

Activity Designation: 1000

Type of Investigation: Bedrock Pavement

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-745,000 E-574,200

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Site Preparation Date: August 1985

Dimensions of Pavement Study Area: 1750 square feet 170 square meters

Site Reclaimed (Yes or No): No

Date of Reclamation:

Source: Atlas #13: Field Study Notes

Originator: Christopher C. Barton

Location of Data: USGS, Denver West, Golden, Colorado; and  
USGS, Mercury, Nevada

Purpose of Activity: Characterizing fractured rock for fluid flow, geomechanical and paleostress modeling.

Comments: Data acquisition to be completed after stop work order is lifted.

Run Date: 01-apr-1988

Geologic Pavement Information Report  
Activity Type: \*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Activity: Pavement

Activity Designation: 200

Type of Investigation: Bedrock Pavement

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: U.S. Dept. of Air Force

Location (Nevada State Plane Coordinates): N-766,854 E-562,237

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Site Preparation Date: July, 1984

Dimensions of Pavement Study Area: 2800 square feet 260.3 square meters

Site Reclaimed (Yes or No): No

Date of Reclamation:

Source: Atlas #13: Field Study Notes

Originator: Christopher C. Barton

Location of Data: USGS, Denver West, Golden, Colorado; and  
USGS, Mercury, Nevada

Purpose of Activity: Characterizing fractured rock for fluid flow, geomechanical and paleostress modeling.

Comments: Data acquisition to be completed after stop work order is lifted.

Run Date: 01-apr-1988

Geologic Pavement Information Report  
Activity Type: \*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Activity: Pavement

Activity Designation: 300

Type of Investigation: Bedrock Pavement

WBS Number: 1.2.3.2.1.1.9.9

Land Ownership or Responsible Agency if Federal Land: U.S Dept. of Air Force

Location (Nevada State Plane Coordinates): N-766,854 E-562,362

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Site Preparation Date: July, 1984

Dimensions of Pavement Study Area: 2380 square feet 221 square meters

Site Reclaimed (Yes or No): No

Date of Reclamation:

Source: Atlas #13: Field Study Notes

Originator: Christopher C. Barton

Location of Data: USGS, Denver West, Golden, Colorado; and  
USGS, Mercury, Nevada

Purpose of Activity: Characterizing fractured rock for fluid flow, geomechanical and paleostress modeling.

Comments: Data acquisition to be completed after stop work order is lifted.



Run Date: 01-apr-1988

Geologic Pavement Information Report  
Activity Type: \*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Activity: Pavement

Activity Designation: 400

Type of Investigation: Bedrock Pavement

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-740,000 E-573,300

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Site Preparation Date:

Dimensions of Pavement Study Area: 18,580 square feet 1726 square meters

Site Reclaimed (Yes or No): No

Date of Reclamation:

Source: Atlas #13: Field Study Notes

Originator: Christopher C. Barton

Location of Data: USGS, Denver West, Golden, Colorado; and  
USGS, Mercury, Nevada

Purpose of Activity: Characterizing fractured rock for fluid flow, geomechanical and paleostress modeling.

Comments: No pavement preparation (clearing of surface materials) was necessary due to sufficient natural exposure of bedrock. Data acquisition to be completed after stop work order is lifted.

Run Date: 01-apr-1988

Geologic Pavement Information Report  
Activity Type: \*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Activity: Pavement

Activity Designation: 500

Type of Investigation: Bedrock Pavement

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-764,098 E-565,200

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Site Preparation Date: August 1985

Dimensions of Pavement Study Area: 1610 square feet 150 square meters

Site Reclaimed (Yes or No): No

Date of Reclamation:

Source: Atlas #13: Field Study Notes

Originator: Christopher C. Barton

Location of Data: USGS, Denver West, Golden, Colorado; and  
USGS, Mercury, Nevada

Purpose of Activity: Characterizing fractured rock for fluid flow, geomechanical and paleostress modeling.

Comments: Data acquisition to be completed after stop work order is lifted.

Run Date: 01-apr-1988

Geologic Pavement Information Report  
Activity Type: \*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Activity: Pavement

Activity Designation: 600

Type of Investigation: Bedrock Pavement

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: U.S. Dept. of Air Force

Location (Nevada State Plane Coordinates): N-767,608 E-561,509

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Site Preparation Date: August 1985

Dimensions of Pavement Study Area: 2705 square feet 251 square meters

Site Reclaimed (Yes or No): No

Date of Reclamation:

Source: Atlas #13: Field Study Notes

Originator: Christopher C. Barton

Location of Data: USGS, Denver West, Golden, Colorado; and  
USGS, Mercury, Nevada

Purpose of Activity: Characterizing fractured rock for fluid flow, geomechanical and paleostress modeling.

Comments: Data acquisition to be completed after stop work order is lifted.

4.1.11

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: PIT #1

Type of Investigation: Geologic Test Pit: ES Fracture Modeling

WBS Number: 1.2.3

Land Ownership or Responsible Agency if Federal Land: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-748,471.6 E-574,404.7

Surveyed (Yes or No): Yes

Type of Survey:

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Excavation Date: 1985

Dimensions of Excavation (Approximate):

Length (ft/m): DIA. 19.6' Depth (ft/m): 10.72'

Volume (cubic ft/cubic m): 3234'

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #28: Unpublished information, no data was collected.

Originator: Bob Scott

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: Feasibility testing for fracture mapping of exploratory shaft

Comments: No work other than excavation has been performed

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** PIT #2

**Type of Investigation:** Geologic Test Pit: ES Fracture Modeling

**WBS Number:**

**Land Ownership or Responsible Agency if Federal Land:** U.S Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-748,340.958 E-574379.301

**Surveyed (Yes or No):** Yes

**Type of Survey:**

**Surveyor (Organization):** Holmes & Narver Survey Dept., Area 6, NTS

**Excavation Date:** 1985

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** DIA. 15.8' **Depth (ft/m):** 11.35'

**Volume (cubic ft/cubic m):** 2225'

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #28: Unpublished information, no data was collected.

**Originator:** Bob Scott

**Location of Data:** USGS Denver Federal Center, Denver, CO

**Purpose of Activity:** Feasibility testing for fracture mapping of exploratory shaft

**Comments:** No work other than excavation has been performed.

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: PIT #3

Type of Investigation: Geologic Test Pit: ES Fracture Modeling

WBS Number: 1.2.3

Land Ownership or Responsible Agency if Federal Land: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-745,753 E-573,385

Surveyed (Yes or No): Yes

Type of Survey:

Surveyor (Organization): Holmes & Narver Survey Dept., Area 6, NTS

Excavation Date: 1985

Dimensions of Excavation (Approximate):

Length (ft/m): DIA. 17'      Depth (ft/m): 10'

Volume (cubic ft/cubic m): 2269'

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #28: Unpublished information, no data was collected.

Originator: Bob Scott

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: Feasibility testing for fracture mapping of exploratory shaft

Comments: No work other than excavation has been performed.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** A-1

**Type of Investigation:** Quaternary Faulting

**WBS Number:** 1.2.3.2.1.1

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-770,733 E-576,623

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 1979

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 216 / 66      **Depth (ft/m):** 6.5 / 2

**Volume (cubic ft/cubic m):** 18,650 / 528

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** USGS Open File Report 84-788

**Originator:** Swadley, Hoover, and Rosholt

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** Preliminary investigations of Late Cenozoic faulting and stratigraphy in the  
Vicinity of Yucca Mountain, Nevada.

**Comments:** Future investigations are possible.



**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** A-2

**Type of Investigation:** Quaternary Faulting

**WBS Number:** 1.2.3.2.1.1

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-771,036 E-576,703

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 7/83

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 187 / 57 **Depth (ft/m):** 10 / 3

**Volume (cubic ft/cubic m):** 24,160 / 684

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** USGS Open File Report 84-788

**Originator:** Swadley, Hoover, and Rosholt

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** Preliminary investigations of Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain, Nevada.

**Comments:** Future investigations are possible.

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: 2

Type of Investigation: Quaternary Faulting

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-757,854 E-562,188

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 5/82

Dimensions of Excavation (Approximate):

Length (ft/m): 100 / 30

Depth (ft/m): 12 / 3.5

Volume (cubic ft/cubic m): 14,830 / 420

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: USGS Open File Report 84-788

Originator: Swadley, Hoover, and Rosholt

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: Preliminary investigations of Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain, Nevada.

Comments: Future investigations are possible.

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: 4

Type of Investigation: Quaternary Faulting

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-763,619 E-562,582

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 6/82

Dimensions of Excavation (Approximate):

Length (ft/m): 155 / 48      Depth (ft/m): 12 / 3.5

Volume (cubic ft/cubic m): 23,735 / 672

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: USGS Open File 84-788

Originator: Swadley, Hoover, and Rosholt

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: Preliminary investigations of Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain, Nevada.

Comments: Future investigations are possible.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity: Trench**

**Activity Designation: 6**

**Type of Investigation: Quaternary Faulting**

**WBS Number: 1.2.3.2.1.1**

**Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)**

**Location (Nevada State Plane Coordinates): N-754,715 E-560,244**

**Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date: 6/82**

**Dimensions of Excavation (Approximate):**

**Length (ft/m): 72 / 22**

**Depth (ft/m): 8 / 2.5**

**Volume (cubic ft/cubic m): 7,770 / 220**

**Area Reclaimed (Yes or No): No**

**Date of Reclamation:**

**Source of Data: USGS Open File Report 84-788**

**Originator: Swadley, Hoover, Rosholt**

**Location of Data: USGS, Denver Federal Center, Denver, CO**

**Purpose of Activity: To conduct preliminary investigations on Late Cenozoic Faulting and Stratigraphy in the vicinity of Yucca Mountain.**

**Comments: Future investigations are possible.**

Run Date: 01-apr-1988

Trench and Soil Pit Information Report  
Activity Type: TRENCH  
Investigation Type: QUATERNARY FAULTING  
Activity IDs: 8  
(Sorted by Activity Type and ID)

---

Type of Activity: Trench

Activity Designation: 8

Type of Investigation: Quaternary Faulting

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-749,649 E-555,295

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 11/82

Dimensions of Excavation (Approximate):

Length (ft/m): 72 / 22      Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 9,325 / 264

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: USGS Open File Report 84-788

Originator: Swadley, Hoover, Rosholt

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.

Comments: Future investigations are possible.

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: 9

Type of Investigation: Quaternary Faulting

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-757,651 E-561,619

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 6/82

Dimensions of Excavation (Approximate):

Length (ft/m): 72 / 22      Depth (ft/m): 13 / 4

Volume (cubic ft/cubic m): 12,360 / 350

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: USGS Open File Report 84-788

Originator: Swadley, Hoover, Rosholt

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.

Comments: Future investigations are possible.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity: Trench**

**Activity Designation: 10-A**

**Type of Investigation: Quaternary Faulting**

**WBS Number: 1.2.3.2.1.1**

**Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)**

**Location (Nevada State Plane Coordinates): N-763,604 E-555,511**

**Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date: 4/83**

**Dimensions of Excavation (Approximate):**

**Length (ft/m): 95 / 29**

**Depth (ft/m): 12 / 3.5**

**Volume (cubic ft/cubic m): 14,340 / 406**

**Area Reclaimed (Yes or No): No**

**Date of Reclamation:**

**Source of Data: USGS Open File Report 84-788**

**Originator: Swadley, Hoover, Rosholt**

**Location of Data: USGS, Denver Federal Center, Denver, CO**

**Purpose of Activity: To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.**

**Comments: Future investigations are possible.**

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: 10-B

Type of Investigation: Quaternary Faulting

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-763,808 E-556,323

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 4/83

Dimensions of Excavation (Approximate):

Length (ft/m): 75 / 23

Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 9,750 / 276

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: USGS Open File Report 84-788

Originator: Swadley, Hoover, Rosholt

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.

Comments: Future investigations are possible.



**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** 11

**Type of Investigation:** Quaternary Faulting

**WBS Number:** 1.2.3.2.1.1

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-782,629 E-561,727

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 6/82

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 260 / 80

**Depth (ft/m):** 6.5 / 2

**Volume (cubic ft/cubic m):** 22,600 / 640

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** USGS Open File Report 84-788

**Originator:** Swadley, Hoover, Rosholt

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.

**Comments:** Future investigations are possible.

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: 12

Type of Investigation: Quaternary Faulting

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-778,074 E-560,031

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 6/82

Dimensions of Excavation (Approximate):

Length (ft/m): 95 / 29

Depth (ft/m): 6.5 / 2

Volume (cubic ft/cubic m): 8,200 / 232

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: USGS Open File Report 84-788

Originator: Swadley, Hoover, Rosholt

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.

Comments: Future investigations are possible.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** 13

**Type of Investigation:** Quaternary Faulting

**WBS Number:** 1.2.3.2.1.1

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-783,130 E-559,371

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 6/82

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 140 / 42 **Depth (ft/m):** 9 / 2.75

**Volume (cubic ft/cubic m):** 16,035 / 454

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** USGS Open File Report 84-788

**Originator:** Swadley, Hoover, Rosholt

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.

**Comments:** Future investigations are possible.

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: 14

Type of Investigation: Quaternary Faulting

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-765,457 E-569,730

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 5/82

Dimensions of Excavation (Approximate):

Length (ft/m): 72 / 22

Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 9,325 / 264

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: USGS Open File Report 84-788

Originator: Swadley, Hoover, Rosholt

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.

Comments: Future investigations are possible.

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: 16

Type of Investigation: Quaternary Faulting

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-753,733 E-572,442

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 6/82

Dimensions of Excavation (Approximate):

Length (ft/m): 115 / 35      Depth (ft/m): 6.5 / 2

Volume (cubic ft/cubic m): 9,900 / 280

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: USGS Open File Report 84-788

Originator: Swadley, Hoover, Rosholt

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.

Comments: Future investigations are possible.

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: 16-B

Type of Investigation: Quaternary Faulting

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-752,317 E-572,202

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 2/83

Dimensions of Excavation (Approximate):

Length (ft/m): 148 / 45      Depth (ft/m): 20 / 6

Volume (cubic ft/cubic m): 38,150 / 1,080

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: USGS Open File Report 84-788

Originator: Swadley, Hoover, Rosholt

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.

Comments: Future investigations are possible.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** 17

**Type of Investigation:** Quaternary Faulting

**WBS Number:** 1.2.3.2.1.1

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-756,056 E-571,217

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 7/83

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 85 / 26

**Depth (ft/m):** 8 / 2.5

**Volume (cubic ft/cubic m):** 9,180 / 260

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** USGS Open File Report 84-788

**Originator:** Swadley, Hoover, Rosholt

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.

**Comments:** Future investigations are possible.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** CF-1

**Type of Investigation:** Quaternary Faulting

**WBS Number:** 1.2.3.2.1.1

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-747,514 E-549,363

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 1983

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 90 / 27 **Depth (ft/m):** 16 / 5

**Volume (cubic ft/cubic m):** 19,075 / 540

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** USGS Open File Report 84-788

**Originator:** Swadley, Hoover, Rosholt

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.

**Comments:** Future investigations are possible.



**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** CF-2

**Type of Investigation:** Quaternary Faulting

**WBS Number:** 1.2.3.2.1.1

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-740,227 E-545,471

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 1983

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 110 / 33 **Depth (ft/m):** 8 / 2.5

**Volume (cubic ft/cubic m):** 11,650 / 330

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** USGS Open File Report 84-788

**Originator:** Swadley, Hoover, Rosholt

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.

**Comments:** Future investigations are possible.

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: CF-3

Type of Investigation: Quaternary Faulting

WBS Number: 1.2.3.2.1.1

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-739,731 E-545,228

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 1983

Dimensions of Excavation (Approximate):

Length (ft/m): 128 / 39      Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 16,530 / 468

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: USGS Open File Report 84-788

Originator: Swadley, Hoover, Rosholt

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct investigations on Late Cenozoic faulting and stratigraphy in the vicinity of Yucca Mountain.

Comments: Future investigations are possible.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** P1

**Type of Investigation:** Quaternary Faulting (Prospect Pit)

**WBS Number:** 1..2..3..2..1..1..G

**Land Ownership or Responsible Agency if Federal Land:** U.S. Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-770,877 E-511,254

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:**

**Dimensions of Excavation (Approximate):**

**Length (ft/m):**

**Depth (ft/m):**

**Volume (cubic ft/cubic m):**

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** USGS-OFR-86-576

**Originator:** Marith C. Reheis

**Location of Data:** U.S. Geological Survey, Denver Federal  
Center, Denver, CO

**Purpose of Activity:** To study Quaternary faulting on the east side of Bare Mountain to characterize faulting in the Yucca Mt. vicinity.

**Comments:** This activity consisted of investigating an existing prospect pit. No additional trenching was conducted.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** P2

**Type of Investigation:** Quaternary Faulting (Prospect Pit)

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** U.S. Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-767,473 E-568,485

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:**

**Dimensions of Excavation (Approximate):**

**Length (ft/m):**

**Depth (ft/m):**

**Volume (cubic ft/cubic m):**

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** USGS-OFR-86-576

**Originator:** Marith C. Reheis

**Location of Data:** U.S. Geological Survey, Denver Federal  
Center, Denver, CO

**Purpose of Activity:** To study Quaternary faulting on the east side of Bare Mountain.

**Comments:** This activity consisted of investigating an existing prospect pit. No  
additional trenching was conducted.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** P3

**Type of Investigation:** Quaternary Faulting (Prospect Pit)

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** U.S. Dept. of Interior

**Location (Nevada State Plane Coordinates):** N-748,952 E-512,031

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:**

**Dimensions of Excavation (Approximate):**

**Length (ft/m):**

**Depth (ft/m):**

**Volume (cubic ft/cubic m):**

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** USGS-OFR-86-576

**Originator:** Marith C. Reheis

**Location of Data:** U.S. Geological Survey, Denver Federal  
Center, Denver, CO

**Purpose of Activity:** To study Quaternary faulting on the east side of Bare Mountain.

**Comments:** This activity consisted of investigating an existing prospect pit. No  
new trenching was conducted.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** P4

**Type of Investigation:** Quaternary Faulting (Prospect Pit)

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** U.S. Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-742,062 E-511,350

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:**

**Dimensions of Excavation (Approximate):**

**Length (ft/m):**

**Depth (ft/m):**

**Volume (cubic ft/cubic m):**

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** USGS-OFR-86-576

**Originator:** Marith C. Reheis

**Location of Data:** U.S. Geological Survey, Denver Federal  
Center, Denver, CO

**Purpose of Activity:** To study Quaternary faulting on the east side of Bare Mountain.

**Comments:** This activity consisted of investigating an existing prospect pit. No  
new trenching occurred.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** P5

**Type of Investigation:** Quaternary Faulting (Prospect Pit)

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** U.S. Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-745,998 E-512,152

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:**

**Dimensions of Excavation (Approximate):**

**Length (ft/m):**

**Depth (ft/m):**

**Volume (cubic ft/cubic m):**

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** USGS-OFR-86-576

**Originator:** Marith C. Rehels

**Location of Data:** U.S. Geological Survey, Denver Federal  
Center, Denver, CO

**Purpose of Activity:** To study Quaternary faulting on the east side of Bare Mountain.

**Comments:** This activity consisted of investigating an existing prospect pit. No  
new trenching was conducted.

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: 14-2

Type of Investigation: Quaternary Faulting

WBS Number: 1.2.3.2.3.1

Land Ownership or Responsible Agency if Federal Land: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-765,657 E-569,241

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: April 1984

Dimensions of Excavation (Approximate):

Length (ft/m): 200 / 60

Depth (ft/m): 12 / 3.5

Volume (cubic ft/cubic m): 37,000 / 1,050

Area Reclaimed (Yes or No): No

Date of Reclamation: 0

Source of Data: Atlas #11: Unpublished logs of trenches on Bow Ridge Fault.

Originator: E. Taylor and H. Huckins

Location of Data: USGS, Denver Federal Center Denver, Co.

Purpose of Activity: Investigate tectonic and volcanic hazard in the vicinity of the Nevada Test Site.

Comments: This is a second trench 14. There have been no reports published for these studies. Future investigations are possible.



**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity: Trench**

**Activity Designation: 14 A**

**Type of Investigation: Quaternary Faulting**

**WBS Number: 1.2.3.2.3.1**

**Land Ownership or Responsible Agency if Federal Land: U.S. Dept. of Energy (NTS)**

**Location (Nevada State Plane Coordinates): N-765,657 E-569,241**

**Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date: 4/84**

**Dimensions of Excavation (Approximate):**

**Length (ft/m): 200 / 60      Depth (ft/m): 10 / 3**

**Volume (cubic ft/cubic m): 31,800 / 900**

**Area Reclaimed (Yes or No): No**

**Date of Reclamation:**

**Source of Data: Atlas #11: Unpublished logs of trenches on Bow Ridge Fault.**

**Originator: E. Taylor and H. Huckins**

**Location of Data: USGS Denver Federal Center, Denver, CO**

**Purpose of Activity: Investigate tectonic and volcanic hazards in the vicinity of the Nevada Test Site.**

**Comments: There have been no reports published for these studies. Future investigations are possible.**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity: Trench**

**Activity Designation: 14 B**

**Type of Investigation: Quaternary Faulting**

**WBS Number: 1.2.3.2.3.1**

**Land Ownership or Responsible Agency if Federal Land: U.S. Dept. of Energy (NTS)**

**Location (Nevada State Plane Coordinates): N-785,050 E-569,080**

**Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date: 4/84**

**Dimensions of Excavation (Approximate):**

**Length (ft/m): 16.5 / 5**

**Depth (ft/m): 5 / 1.5**

**Volume (cubic ft/cubic m): 400 / 11.2**

**Area Reclaimed (Yes or No): No**

**Date of Reclamation:**

**Source of Data: Atlas #11: Unpublished logs of trenches on Bow Ridge Fault.**

**Originator: E. Taylor and H. Huckins**

**Location of Data: USGS, Denver Federal Center, Denver, CO**

**Purpose of Activity: Investigate tectonic and volcanic hazards in the vicinity of the Nevada Test Site.**

**Comments: There have been no reports published for these studies. Future investigations are possible.**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** 14 D

**Type of Investigation:** Quaternary Faulting

**WBS Number:** 1.2.3.2.3.1

**Land Ownership or Responsible Agency if Federal Land:** U.S. Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-764,444 E-569,163

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 4/84

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 33 / 10

**Depth (ft/m):** 10 / 3

**Volume (cubic ft/cubic m):** 1600 / 45

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #11: Unpublished logs of trenches on Bow Ridge Fault.

**Originator:** E. Taylor and H. Huckins

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** Investigate tectonic and volcanic hazards in the vicinity of the Nevada Test Site.

**Comments:** There have been no reports published for these studies. Future investigations are possible.

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: 14 C

Type of Investigation: Quaternary Faulting

WBS Number: 1.2.3.2.3.1

Land Ownership or Responsible Agency if Federal Land: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-764,848 E-569,162

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 4/84

Dimensions of Excavation (Approximate):

Length (ft/m): 33 / 10      Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 1600 / 45

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #11: Unpublished logs of trenches on the Bow Ridge Fault.

Originator: E. Taylor and H. Huckins

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: Investigate tectonic and volcanic hazards in the vicinity of the Nevada Test Site.

Comments: There have been no reports published for these studies. Future investigations are possible.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity: Trench**

**Activity Designation: ROCK VALLEY #1**

**Type of Investigation: Quaternary Faulting**

**WBS Number: 1.2.3.2.3.1**

**Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)**

**Location (Nevada State Plane Coordinates): N-719,302 E-658,903**

**Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date: 1978**

**Dimensions of Excavation (Approximate):**

**Length (ft/m): 80 / 24**

**Depth (ft/m): 9 / 2.8**

**Volume (cubic ft/cubic m): 5790 / 164**

**Area Reclaimed (Yes or No): No**

**Date of Reclamation:**

**Source of Data: Atlas #20: Unpublished USGS Miscellaneous Field Studies Map MF-1824**

**Originator: James Yount**

**Location of Data: USGS, 345 Middlefield Rd., Menlo Park,  
CA 94025**

**Purpose of Activity: Tectonic investigations along the Rock Valley Fault.**

**Comments:**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity: Trench**

**Activity Designation: ROCK VALLEY #2**

**Type of Investigation: Quaternary Faulting**

**WBS Number: 1.2.3.2.3.1**

**Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)**

**Location (Nevada State Plane Coordinates): N-719,302 E-658,903**

**Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date: 1978**

**Dimensions of Excavation (Approximate):**

**Length (ft/m): 70 / 21**

**Depth (ft/m): 8 / 2.5**

**Volume (cubic ft/cubic m): 4700 / 133**

**Area Reclaimed (Yes or No): No**

**Date of Reclamation:**

**Source of Data: Atlas #20: Unpublished USGS Miscellaneous Field Studies Map MF-1824**

**Originator: James Yount**

**Location of Data: USGS, 345 Middlefield, Menlo Park, CA  
94025**

**Purpose of Activity: Tectonic investigations along the Rock Valley Fault.**

**Comments:**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** FRENCHMAN FLAT #1

**Type of Investigation:** Quaternary Faulting

**WBS Number:** 1.2.3.2.3.1

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-730,697 E-700,992

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 1978

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 90 / 28

**Depth (ft/m):** 6.5 / 2

**Volume (cubic ft/cubic m):** 4850 / 137

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #21: Unpublished field notes.

**Originator:** James Yount

**Location of Data:** USGS, 345 Middlefield Rd, Menlo Park, CA

**Purpose of Activity:** Tectonics study of the Rock Valley Fault.

**Comments:** Report in preparation.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity: Trench**

**Activity Designation: FRENCHMAN FLAT #2**

**Type of Investigation: Quaternary Faulting**

**WBS Number: 1.2.3.2.3.1**

**Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)**

**Location (Nevada State Plane Coordinates): N-732,387 E-696,912**

**Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date: 1978**

**Dimensions of Excavation (Approximate):**

**Length (ft/m): 85 / 26      Depth (ft/m): 6.5 / 2**

**Volume (cubic ft/cubic m): 4475 / 127**

**Area Reclaimed (Yes or No): No**

**Date of Reclamation:**

**Source of Data: Atlas #21: Unpublished field notes.**

**Originator: James Yount**

**Location of Data: USGS, 345 Middlefield Rd, Menlo Park, CA**

**Purpose of Activity: Tectonics study of the Rock Valley Fault.**

**Comments: Report in preparation.**



**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** BF-1

**Type of Investigation:** Quaternary Faulting

**WBS Number:** 1.2.3.2.1.1

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-772,257 E-475,137

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 05/08/84

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 150 / 45

**Depth (ft/m):** 16 / 5

**Volume (cubic ft/cubic m):** 28,800 / 815

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #22: USGS Map MF-1897 by Swadley and others, 1986.

**Originator:** W.C. Swadley

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** Tectonic investigations across the Beatty Scarp, Nye County, NV.

**Comments:** Logging was completed on June 21, 1984. Future work to include sampling and age dating.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity: Trench**

**Activity Designation: BF-2**

**Type of Investigation: Quaternary Faulting**

**WBS Number: 1.2.3.2.1.1**

**Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)**

**Location (Nevada State Plane Coordinates): N-770,436 E-475,135**

**Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date: 07/31/83**

**Dimensions of Excavation (Approximate):**

**Length (ft/m): 93 / 28**

**Depth (ft/m): 14 / 4.25**

**Volume (cubic ft/cubic m): 15,625 / 440**

**Area Reclaimed (Yes or No): No**

**Date of Reclamation:**

**Source of Data: Atlas #22: USGS Map MF-1897 by Swadley and others, 1986.**

**Originator: W.C. Swadley**

**Location of Data: USGS, Denver Federal Center, Denver, CO**

**Purpose of Activity: Tectonic investigations across the Beatty Scarp, Nye County, NV.**

**Comments: Logging was completed on July 31, 1984. Future work will include sampling and age dating.**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity: Trench**

**Activity Designation: CFS (E)**

**Type of Investigation: Quaternary Faulting**

**WBS Number: 1.2.3.2.3.1**

**Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)**

**Location (Nevada State Plane Coordinates): N-715,837 E-531,755**

**Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date: 1980**

**Dimensions of Excavation (Approximate):**

**Length (ft/m): 50 / 15      Depth (ft/m): 10 / 3      Volume (cubic ft/cubic m): unknown**

**Area Reclaimed (Yes or No): No**

**Date of Reclamation:**

**Source of Data: Atlas #23: Unpublished field notes (trenches were not logged).**

**Originator: D. L. Hoover**

**Location of Data: USGS, Denver Federal Center, Denver, CO**

**Purpose of Activity: Collection of stratigraphic data.**

**Comments: Location of accompanying trench - Crater Flat South (W) is shown on  
USGS Map I-1767 (Swadley & Carr, 1967).**

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: CFS (W)

Type of Investigation: Quaternary Faulting

WBS Number: 1.2.3.2.3.1

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-715,837 E-531,745

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 1980

Dimensions of Excavation (Approximate):

Length (ft/m): 100 / 30

Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): unknown

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #23: Unpublished field notes (trenches were not logged).

Originator: D.L. Hoover

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: Collection of stratigraphic data.

Comments: Location of Crater Flat South (W) is shown on USGS Map I-1767 (Swadley & Carr, 1987).

4.1.13

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: FW-3

Type of Investigation: Quaternary Soils

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-753,751 E-578,946

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 9/83

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 1,050 / 30

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #12: University of Colorado M.S. Thesis, 1986.

Originator: Emily M. Taylor

Location of Data: USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

Purpose of Activity: To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: FW-4

Type of Investigation: Soils Investigations

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-753,246 E-579,273

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 9/83

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5

Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 1,050 / 30

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #12: University of Colorado M.S. Thesis, 1986.

Originator: Emily M. Taylor

Location of Data: USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

Purpose of Activity: To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: FW-5

Type of Investigation: Quaternary Soils

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-751,831 E-579,684

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 9/83

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5

Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 1,050 / 30

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #12: University of Colorado M.S. Thesis, 1986

Originator: Emily M. Taylor

Location of Data: USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

Purpose of Activity: To study the impact of time and climate on quaternary soils in the Yucca  
Mountain area.

Comments:



**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** FW-7

**Type of Investigation:** Quaternary Soils

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-754,362 E-580,490

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 9/83

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16.5 / 5      **Depth (ft/m):** 10 / 3

**Volume (cubic ft/cubic m):** 1,050 / 30

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #12: University of Colorado M.S. Thesis, 1986

**Originator:** Emily M. Taylor

**Location of Data:** USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

**Purpose of Activity:** To study the impact of time and climate on quaternary soils in the vicinity of  
Yucca Mountain.

**Comments:**

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: FW-17

Type of Investigation: Quaternary Soils

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-768,824 E-581,017

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 9/83

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5

Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 1,050 / 30

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #12: University of Colorado M.S. Thesis, 1986

Originator: Emily M. Taylor

Location of Data: USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

Purpose of Activity: To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: FW-18

Type of Investigation: Quaternary Soils

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-767,003 E-580,616

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 9/83

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 1,050 / 30

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #12: University of Colorado M.S. Thesis, 1986

Originator: Emily M. Taylor

Location of Data: USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

Purpose of Activity: To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

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Type of Activity: Trench

Activity Designation: FW-19

Type of Investigation: Quaternary Soils

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-767,506 E-579,802

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 9/83

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 1,050 / 30

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #12: University of Colorado M.S. Thesis, 1986

Originator: Emily M. Taylor

Location of Data: USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

Purpose of Activity: To study the impact of time and climate on quaternary soils in the Yucca  
Mountain area.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: YW-1

Type of Investigation: Quaternary Soils

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-780,411 E-564,575

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 9/83

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 1,050 / 30

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #12: University of Colorado M.S. Thesis, 1986

Originator: Emily M. Taylor

Location of Data: USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

Purpose of Activity: To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

Comments:

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** YW-2

**Type of Investigation:** Quaternary Soils

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-772,832 E-570,688

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 9/83

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 10.5 / 5      **Depth (ft/m):** 10 / 3

**Volume (cubic ft/cubic m):** 1,050 / 30

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #12: University of Colorado M.S. Thesis, 1988

**Originator:** Emily M. Taylor

**Location of Data:** USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

**Purpose of Activity:** To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

**Comments:**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

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**Type of Activity:** Trench

**Activity Designation:** YW-6

**Type of Investigation:** Quaternary Soils

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-772,545 E-573,450

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 9/83

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16.5 / 5

**Depth (ft/m):** 10 / 3

**Volume (cubic ft/cubic m):** 1,050 / 30

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #12: University of Colorado M.S. Thesis, 1986

**Originator:** Emily M. Taylor

**Location of Data:** USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

**Purpose of Activity:** To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

**Comments:**

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

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Type of Activity: Trench

Activity Designation: YW-8

Type of Investigation: Quaternary Soils

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-775,576 E-572,386

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 9/83

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 1,050 / 30

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #12: University of Colorado M.S. Thesis, 1986

Originator: Emily M. Taylor

Location of Data: USGS, Denver Federal Center, Denver West  
Office Park

Purpose of Activity: To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

Comments:



**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

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**Type of Activity:** Trench

**Activity Designation:** YW-9

**Type of Investigation:** Quaternary Soils

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-775,073 E-573,605

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 9/83

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16.5 / 5      **Depth (ft/m):** 10 / 3

**Volume (cubic ft/cubic m):** 1,050 / 30

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #12: University of Colorado M.S. Thesis, 1986

**Originator:** Emily M. Taylor

**Location of Data:** USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

**Purpose of Activity:** To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

**Comments:**

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

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Type of Activity: Trench

Activity Designation: YW-11

Type of Investigation: Quaternary Soils

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-778,596 E-566,935

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 9/83

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 1,050 / 30

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #12: University of Colorado M.S. Thesis, 1986

Originator: Emily M. Taylor

Location of Data: USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

Purpose of Activity: To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

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Type of Activity: Trench

Activity Designation: YW-12

Type of Investigation: Quaternary Soils

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-779,707 E-566,283

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 9/83

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 1,050 / 30

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #12: University of Colorado M.S. Thesis, 1986

Originator: Emily M. Taylor

Location of Data: USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

Purpose of Activity: To study the impact of time and climate on quaternary soils of the Yucca  
Mountain area.

Comments:

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

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**Type of Activity:** Trench

**Activity Designation:** YW-13

**Type of Investigation:** Quaternary Soils

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-778,900 E-567,097

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 9/83

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16.5 / 5 **Depth (ft/m):** 10 / 3

**Volume (cubic ft/cubic m):** 1,050 / 30

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #12: University of Colorado M.S. Thesis, 1986

**Originator:** Emily M. Taylor

**Location of Data:** USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

**Purpose of Activity:** To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

**Comments:**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

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**Type of Activity:** Trench

**Activity Designation:** YW-14

**Type of Investigation:** Quaternary Soils

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-783,538 E-560,994

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 9/83

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 10.5 / 5

**Depth (ft/m):** 10 / 3

**Volume (cubic ft/cubic m):** 1,050 / 30

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #12: University of Colorado M.S. Thesis, 1986

**Originator:** Emily M. Taylor

**Location of Data:** USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

**Purpose of Activity:** To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

**Comments:**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

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**Type of Activity:** Trench

**Activity Designation:** YW-15

**Type of Investigation:** Quaternary Soils

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-784,446 E-560,017

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 9/83

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16.5 / 5 **Depth (ft/m):** 10 / 3

**Volume (cubic ft/cubic m):** 1,050 / 30

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #12: University of Colorado M.S. Thesis, 1986

**Originator:** Emily M. Taylor

**Location of Data:** USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

**Purpose of Activity:** To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

**Comments:**

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

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Type of Activity: Trench

Activity Designation: YW-16

Type of Investigation: Quaternary Soils

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-779,702 E-564,333

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 9/83

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 1,050 / 30

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #12: University of Colorado M.S. Thesis, 1986

Originator: Emily M. Taylor

Location of Data: USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

Purpose of Activity: To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

Comments:

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

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**Type of Activity:** Trench

**Activity Designation:** YW-20

**Type of Investigation:** Quaternary Soils

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Energy (NTS)

**Location (Nevada State Plane Coordinates):** N-783,739 E-560,588

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 9/83

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16.5 / 5 **Depth (ft/m):** 10 / 3

**Volume (cubic ft/cubic m):** 1,050 / 30

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #12: University of Colorado M.S. Thesis, 1986

**Originator:** Emily M. Taylor

**Location of Data:** USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

**Purpose of Activity:** To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

**Comments:**



Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

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Type of Activity: Trench

Activity Designation: YW-22

Type of Investigation: Quaternary Soils

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates): N-775,372 E-571,655

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 9/83

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5

Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 1,050 / 30

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #12: University of Colorado M.S. Thesis, 1986

Originator: Emily M. Taylor

Location of Data: USGS, Denver Federal Center and Denver  
West Office Park, Denver, CO

Purpose of Activity: To study the impact of time and climate on quaternary soils in the Yucca Mountain area.

Comments:

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

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**Type of Activity:** Trench

**Activity Designation:** SL85-1A,B

**Type of Investigation:** Soils Chronosequence

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-574,084 E-657,594

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 3/5/85

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16.5 / 5 **Depth (ft/m):** 8 / 2.5

**Volume (cubic ft/cubic m):** 550 / 16

**Area Reclaimed (Yes or No):** Yes

**Date of Reclamation:** 3/20/85

**Source of Data:** Atlas #24: Unpublished field notes

**Originator:** Marith C. Reheis

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct soil chronosequence study on pans at Silver Lake, California.

**Comments:**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** SL85-1C

**Type of Investigation:** Soils Chronosequence

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-574,286 E-657,511

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 3/5/85

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16.5

**Depth (ft/m):** 8.5 / 2.6

**Volume (cubic ft/cubic m):** 550 / 16

**Area Reclaimed (Yes or No):** Yes

**Date of Reclamation:** 3/20/85

**Source of Data:** Atlas #24: Unpublished field notes

**Originator:** Marith C. Reheis

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct soil chronosequence study on pans at Silver Lake, California.

**Comments:**

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

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Type of Activity: Trench

Activity Designation: SL85-1K,Y

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-572,550 E-654,493

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 3/5/85

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 650 / 19

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 3/20/85

Source of Data: Atlas #24: Unpublished field notes

Originator: Marith C. Reheis

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study on pans at Silver Lake, California.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

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Type of Activity: Trench

Activity Designation: SL85-12

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-572,549 E-654,247

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 3/5/85

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 5 / 1.5

Volume (cubic ft/cubic m): 350 / 10

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 3/20/85

Source of Data: Atlas #24: Unpublished field notes

Originator: Marith C. Reheis

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study on pans at Silver Lake, California.

Comments:

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

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**Type of Activity:** Trench

**Activity Designation:** SL85-2/3W,X

**Type of Investigation:** Soils Chronosequence

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-572,954 E-654,491

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 3/5/85

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16.5 / 5 **Depth (ft/m):** 6 / 1.8

**Volume (cubic ft/cubic m):** 400 / 11

**Area Reclaimed (Yes or No):** Yes

**Date of Reclamation:** 3/20/85

**Source of Data:** Atlas #24: Unpublished field notes

**Originator:** Marith C. Reheis

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct soil chronosequence study on pans at Silver Lake, California.

**Comments:**

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

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Type of Activity: Trench

Activity Designation: SL85-2/3Y,Z

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-573,054 E-854,163

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 3/5/85

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 7 / 2.2

Volume (cubic ft/cubic m): 500 / 14

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 3/20/85

Source of Data: Atlas #24: Unpublished field notes

Originator: Marith C. Reheis

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study on pans at Silver Lake, California.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: SL85-2A,B

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-575,390 E-656,114

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 3/5/85

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 10 / 3

Volume (cubic ft/cubic m): 675 / 19

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 3/20/85

Source of Data: Atlas #24: Unpublished field notes

Originator: Marith C. Reheis

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study on pans at Silver Lake, California.

Comments:



**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

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**Type of Activity:** Trench

**Activity Designation:** SL85-2C

**Type of Investigation:** Soils Chronosequence

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-575,492 E-656,277

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 3/5/85

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16.5 / 5      **Depth (ft/m):** 6.5 / 2

**Volume (cubic ft/cubic m):** 450 / 12.5

**Area Reclaimed (Yes or No):** Yes

**Date of Reclamation:** 3/20/85

**Source of Data:** Atlas #24: Unpublished field notes

**Originator:** Marith C. Rehels

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct soil chronosequence study on pans at Silver Lake, California.

**Comments:**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

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**Type of Activity:** Trench

**Activity Designation:** SL85-2D

**Type of Investigation:** Soils Chronosequence

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-575,999 E-656,520

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 3/5/85

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16.5 / 5 **Depth (ft/m):** 4 / 1.2

**Volume (cubic ft/cubic m):** 250 / 7.5

**Area Reclaimed (Yes or No):** Yes

**Date of Reclamation:** 3/20/85

**Source of Data:** Atlas #24: Unpublished field notes

**Originator:** Marith C. Reheis

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct soil chronosequence study on pans at Silver Lake , California.

**Comments:**

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

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Type of Activity: Trench

Activity Designation: SL85-3A,B

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-574,584 E-656,691

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 3/5/85

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 3 / 0.9

Volume (cubic ft/cubic m): 200 / 6

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 3/20/85

Source of Data: Atlas #24: Unpublished field notes

Originator: Marith C. Rehels

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study on pans at Silver Lake, California.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

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Type of Activity: Trench

Activity Designation: SL85-4A,D

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-574,487 E-657,346

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 3/5/85

Dimensions of Excavation (Approximate):

Length (ft/m): 16.5 / 5      Depth (ft/m): 5 / 1.6

Volume (cubic ft/cubic m): 325 / 10

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 3/20/85

Source of Data: Atlas #24: Unpublished field notes

Originator: Marith C. Reheis

Location of Data: 3/20/85

Purpose of Activity: To conduct soil chronosequence study on pans at Silver Lake , California.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

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Type of Activity: Trench

Activity Designation: SL85-4X

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-573,358 E-654,243

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 3/5/85

Dimensions of Excavation (Approximate):

Length (ft/m): 18.5 / 5      Depth (ft/m): 6.5 / 2

Volume (cubic ft/cubic m): 450 / 13

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 3/20/85

Source of Data: Atlas #24: Unpublished field notes

Originator: Marith C. Reheis

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study on pans at Silver Lake, California.

Comments:

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** SL85-4Y

**Type of Investigation:** Soils Chronosequence

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-573,158 E-654,653

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 3/5/85

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16.5 / 5      **Depth (ft/m):** 3 / 0.9

**Volume (cubic ft/cubic m):** 200 / 6

**Area Reclaimed (Yes or No):** Yes

**Date of Reclamation:** 3/20/85

**Source of Data:** Atlas #24: Unpublished field notes

**Originator:** Marith C. Reheis

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct soil chronosequence study on pans at Silver Lake, California.

**Comments:**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** SL85-42

**Type of Investigation:** Soils Chronosequence

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-573,158 E-654,735

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 3/5/85

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 3.2 / 1

**Depth (ft/m):** 3.2 / 1

**Volume (cubic ft/cubic m):** 35 / 1

**Area Reclaimed (Yes or No):** Yes

**Date of Reclamation:** 3/20/85

**Source of Data:** Atlas #24: Unpublished field notes

**Originator:** Marith C. Rehels

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct soil chronosequence study on pans at Silver Lake, California.

**Comments:**

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: SL85-5B

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-574,389 E-657,920

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 3/5/85

Dimensions of Excavation (Approximate):

Length (ft/m): 6.5 / 2      Depth (ft/m): 1.5 / 0.4

Volume (cubic ft/cubic m): 40 / 1.2

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 3/20/85

Source of Data: Atlas #24: Unpublished field notes

Originator: Marith C. Reheis

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study on pans at Silver Lake, California.

Comments:



Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: SL85-5C

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept of Interior (BLM)

Location (Nevada State Plane Coordinates): N-574,786 E-656,608

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 3/5/85

Dimensions of Excavation (Approximate):

Length (ft/m): 6.5 / 2      Depth (ft/m): 3 / 1

Volume (cubic ft/cubic m): 105 / 3

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 3/20/85

Source of Data: Atlas #24: Unpublished field notes

Originator: Marith C. Rehels

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study on pans at Silver Lake, California.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: SL85-5X

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-573,357 E-654,079

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 3/5/85

Dimensions of Excavation (Approximate):

Length (ft/m): 3.2 / 1      Depth (ft/m): 3.2 / 1

Volume (cubic ft/cubic m): 35 / 1

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 3/20/85

Source of Data: Atlas #24: Unpublished field notes

Originator: Marith C. Reheis

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study on pans at Silver Lake, California.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: SL85-5Y

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-573,359 E-654,488

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 3/5/85

Dimensions of Excavation (Approximate):

Length (ft/m): 3.2 / 1

Depth (ft/m): 3 / 0.9

Volume (cubic ft/cubic m): 35 / 1

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 3/20/85

Source of Data: Atlas #24: Unpublished field notes

Originator: Marith C. Reheis

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study on pans at Silver Lake, California.

Comments:

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity: Trench**

**Activity Designation: SL85-52**

**Type of Investigation: Soils Chronosequence**

**WBS Number: 1.2.3.2.1.1.G**

**Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)**

**Location (Nevada State Plane Coordinates): N-572,450 E-654,739**

**Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date: 3/5/85**

**Dimensions of Excavation (Approximate):**

**Length (ft/m): 3.2 / 1**

**Depth (ft/m): 3 / 0.9**

**Volume (cubic ft/cubic m): 35 / 1**

**Area Reclaimed (Yes or No): Yes**

**Date of Reclamation: 3/20/85**

**Source of Data: Atlas #24: Unpublished field notes**

**Originator: Marith C. Reheis**

**Location of Data: USGS, Denver Federal Center, Denver, CO**

**Purpose of Activity: To conduct soil chronosequence study on pans at Silver Lake, California.**

**Comments:**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** SL85-4B,C

**Type of Investigation:** Soils Chronosequence

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-575,091 E-656,852

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 3/5/85

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16.5 / 5 **Depth (ft/m):** 5 / 1.5

**Volume (cubic ft/cubic m):** 200 / 9

**Area Reclaimed (Yes or No):** Yes

**Date of Reclamation:** 3/20/85

**Source of Data:** Atlas #24: Unpublished field notes

**Originator:** Marith C. Rehels

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct soil chronosequence study on pans at Silver Lake, California.

**Comments:**

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: SL85-5A

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-574,892 E-657,508

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 3/5/85

Dimensions of Excavation (Approximate):

Length (ft/m): 6.5 / 2      Depth (ft/m): 2 / 0.7

Volume (cubic ft/cubic m): 70 / 2

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 3/20/85

Source of Data: Atlas #24: Unpublished field notes

Originator: Marith C. Rehels

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study on pans at Silver Lake, California.

Comments:

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** KC85-1

**Type of Investigation:** Soils Chronosequence

**WBS Number:** 1.2.3.2.1.1

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-573,871 E-581,822

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 4/22/85

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16 / 5

**Depth (ft/m):** 8 / 2.5

**Volume (cubic ft/cubic m):** 530 / 15

**Area Reclaimed (Yes or No):** Yes

**Date of Reclamation:** 5/3/85

**Source of Data:** Atlas #25: Unpublished field Notes

**Originator:** Marith C. Reheis

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct soil chronosequence study at Kyle Canyon, NV.

**Comments:**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

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**Type of Activity:** Trench

**Activity Designation:** KC85-2

**Type of Investigation:** Soils Chronosequence

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-574,372 E-581,822

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 4/22/85

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16 / 5      **Depth (ft/m):** 6.5 / 2

**Volume (cubic ft/cubic m):** 440 / 12.5

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #25: Unpublished field notes

**Originator:** Marith C. Reheis

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** Soil chronosequence study at Kyle Canyon, NV.

**Comments:**



Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: KC85-3

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-592,546 E-571,958

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 4/22/85

Dimensions of Excavation (Approximate):

Length (ft/m): 16 / 5

Depth (ft/m): 12 / 3.5

Volume (cubic ft/cubic m): 775 / 22

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 5/3/85

Source of Data: Atlas #25: Unpublished field notes

Originator: Marith C. Rehels

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study at Kyle Canyon, NV.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: KC85-4

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-592,545 E-571,548

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 4/22/85

Dimensions of Excavation (Approximate):

Length (ft/m): 16 / 5      Depth (ft/m): 6.5 / 2

Volume (cubic ft/cubic m): 440 / 12.5

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 5/3/85

Source of Data: Atlas #25: Unpublished field notes

Originator: Marith C. Reheis

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study at Kyle Canyon, NV.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: KC85-5

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior

Location (Nevada State Plane Coordinates): N-556,586 E-538,890

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 4/22/85

Dimensions of Excavation (Approximate):

Length (ft/m): 16 / 5

Depth (ft/m): 12 / 3.5

Volume (cubic ft/cubic m): 775 / 22

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 5/3/85

Source of Data: Atlas #25: Unpublished field notes

Originator: Marith C. Reheis

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study at Kyle Canyon, NV.

Comments:

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: KC85-6

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-556,585 E-538,480

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 4/22/85

Dimensions of Excavation (Approximate):

Length (ft/m): 16 / 5

Depth (ft/m): 12.5 / 3.8

Volume (cubic ft/cubic m): 850 / 24

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 5/3/85

Source of Data: Atlas #25: Unpublished field notes

Originator: Marith C. Reheis

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study at Kyle Canyon, NV.

Comments:

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** KC85-7

**Type of Investigation:** Soils Chronosequence

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-556,077 E-536,025

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 4/22/85

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16 / 5 **Depth (ft/m):** 16 / 5

**Volume (cubic ft/cubic m):** 1,095 / 31

**Area Reclaimed (Yes or No):** Yes

**Date of Reclamation:** 5/3/85

**Source of Data:** Atlas #25: Unpublished field notes

**Originator:** Marith C. Rehels

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct soil chronosequence study at Kyle Canyon, NV.

**Comments:**

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** KC85-8

**Type of Investigation:** Soils Chronosequence

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-555,571 E-536,024

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 4/22/85

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16 / 5

**Depth (ft/m):** 16 / 4.8

**Volume (cubic ft/cubic m):** 1,060 / 30

**Area Reclaimed (Yes or No):** Yes

**Date of Reclamation:** 5/3/85

**Source of Data:** Atlas #25: Unpublished field notes

**Originator:** Marith C. Rehels

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct soil chronosequence study at Kyle Canyon, NV.

**Comments:**

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

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Type of Activity: Trench

Activity Designation: KC85-9

Type of Investigation: Soils Chronosequence

WBS Number: 1.2.3.2.1.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N-559,917 E-534,219

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 4/22/85

Dimensions of Excavation (Approximate):

Length (ft/m): 16 / 5

Depth (ft/m): 12.5 / 3.8

Volume (cubic ft/cubic m): 850 / 24

Area Reclaimed (Yes or No): Yes

Date of Reclamation: 5/3/85

Source of Data: Atlas #25: Unpublished field notes

Originator: Marith C. Reheis

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: To conduct soil chronosequence study at Kyle Canyon, NV.

Comments:

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

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**Type of Activity:** Trench

**Activity Designation:** KC85-10

**Type of Investigation:** Soils Chronosequence

**WBS Number:** 1.2.3.2.1.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-560,119 E-534,382

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 4/22/85

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 16 / 5

**Depth (ft/m):** 13 / 4

**Volume (cubic ft/cubic m):** 880 / 25

**Area Reclaimed (Yes or No):** Yes

**Date of Reclamation:** 5/3/85

**Source of Data:** Atlas #25: Unpublished field notes

**Originator:** Marith C. Rehels

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** To conduct soil chronosequence study at Kyle Canyon, NV.

**Comments:**



**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** A

**Type of Investigation:** Soils Infiltration

**WBS Number:** 1.2.3.2.3.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-36 50'15" E-116 27'30"

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 3/86

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 300 / 90 **Depth (ft/m):** 8 / 2.4

**Volume (cubic ft/cubic m):** 21,800 / 617

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #32: Unpublished field notes

**Originator:** Mike Schmidt

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** Investigation of soil infiltration capacity and conductivity at Yucca Mt.

**Comments:** Field work is complete.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** B

**Type of Investigation:** Soils Infiltration

**WBS Number:** 1.2.3.2.3.1.G

**Land Ownership or Responsible Agency if Federal Land:** Dept. of Interior (BLM)

**Location (Nevada State Plane Coordinates):** N-36 50'15" E-116 27'30"

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 3/86

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 500 / 150

**Depth (ft/m):** 5.5 / 1.7

**Volume (cubic ft/cubic m):** 29,000 / 823

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #32: Unpublished field notes.

**Originator:** Mike Schmidt

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** Investigation of soil infiltration capacity and conductivity at Yucca Mt.

**Comments:** Field work is complete.

Trench and Soil Pit Information Report  
Activity Type: \*  
Investigation Type: \*  
(Sorted by Investigation Type and Source)

---

Type of Activity: Trench

Activity Designation: C

Type of Investigation: Soils Infiltration

WBS Number: 1.2.3.2.3.1.G

Land Ownership or Responsible Agency if Federal Land: Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates): N- E-

Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Excavation Date: 3/86

Dimensions of Excavation (Approximate):

Length (ft/m): 200 / 60

Depth (ft/m): 4 / 1.2

Volume (cubic ft/cubic m): 8700 / 246

Area Reclaimed (Yes or No): No

Date of Reclamation:

Source of Data: Atlas #32: Unpublished field notes.

Originator: Mike Schmidt

Location of Data: USGS, Denver Federal Center, Denver, CO

Purpose of Activity: Investigation of soil infiltration capacity and conductivity at Yucca Mt.

Comments: Field work is complete.

**Trench and Soil Pit Information Report**  
**Activity Type: \***  
**Investigation Type: \***  
**(Sorted by Investigation Type and Source)**

---

**Type of Activity:** Trench

**Activity Designation:** D

**Type of Investigation:** Soils Infiltration

**WBS Number:** 1.2.3.2.3.1.G

**Land Ownership or Responsible Agency if Federal Land:**

**Location (Nevada State Plane Coordinates):** N-36 50'15" E-116 27'30"

**Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Excavation Date:** 3/86

**Dimensions of Excavation (Approximate):**

**Length (ft/m):** 460 / 140

**Depth (ft/m):** 4.5 / 1.4

**Volume (cubic ft/cubic m):** 31,650 / 896

**Area Reclaimed (Yes or No):** No

**Date of Reclamation:**

**Source of Data:** Atlas #32: Unpublished field notes.

**Originator:** Mike Schmidt

**Location of Data:** USGS, Denver Federal Center, Denver, CO

**Purpose of Activity:** Investigation of soils infiltration capacity and conductivity at Yucca Mt.

**Comments:** Fieldwork is complete.

4.1.14

**Survey Data Report**  
**Activity Type: ARCHAEOLOGICAL/CULTURAL RESOURCE\***  
**(Sorted by Activity Type and Source)**

---

**Type of Survey: Archaeological/Cultural Resource: Test Excavations**

**Activity Designation: AS82 EXCAV**

**WBS Number: 1.2.3.6.1.U**

**Work Order Number:**

**Area(s) Covered: The 4,368 ha (10,793 ac) area defined in DRI, SSC Publication No. 28 as the NNWSI Yucca Mountain Project Area.**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): Desert Research Institute (DRI), Social Sciences Ctr.**

**Description of Survey: Limited test excavations were conducted at 29 archaeological sites in the NNWSI Project Area.**

**Data Source: DRI-SSC TECH RPT #40**

**Purpose of Activity: To assess the scientific significance of the 29 sites and develop a cultural resources management plan for their protection.**

**Comments: The location of each site was plotted on a USGS 7.5 minute topographic map. A permanent datum was established for each site.**

---

**Type of Survey: Archaeological/Cultural Resource: Reconnaissance**

**Activity Designation: AS82 RECON**

**WBS Number: 1.2.3.6.1.U**

**Work Order Number:**

**Area(s) Covered: A 4,368 ha (10,793 ac) area occupying the southwest corner of the NTS, and adjacent BLM and Air Force lands. The area is defined in the report as the NNWSI Yucca Mt. Project Area (Figure 1 from the source report).**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): Desert Research Institute (DRI), Social Sciences Ctr.**

**Description of Survey: The survey followed procedures proposed by Pippin (1982) and guidelines for a Class II & III Survey (BLM, 1980). Intensive (Class III standard) level of reconnaissance covered a 2,861 ha area of expected "intensive" and "possible" activity. The remaining 1,507 ha of "unlikely" activity received a cursory (Class II standard) level of reconnaissance.**

**Data Source: DRI-SSC Tech Rpt #28**

**Purpose of Activity: Identify cultural resources in the NNWSI project area. Evaluate the significance and National Register eligibility of cultural resources. Assess the potential impacts. Develop clear procedures for avoidance of adverse impacts.**

**Comments: A total of 184 cultural resource sites were encountered: 178 prehistoric and 6 historic. 72 of the sites are potentially eligible for nomination to the National Register.**

4.1.15

**Survey Data Report**  
**Activity Type: BIOLOGICAL\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey: Biological: Impact Analysis Studies**

**Activity Designation: BS82 IAS**  
**WBS Number: 1.2.3.6.1.E**  
**Work Order Number: DE-AC08-83NV10282**

**Area(s) Covered: A 700 by 5200 ft area south of Drillhole Wash Rd. and east of B Wash Rd.**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): EG&G Energy Measurements, Santa Barbara Operations**

**Description of Survey: Transects were walked at 30-yd intervals along flagged paths that vibroseis (seismic) machines were to follow.**

**Data Source: EGG 10282-2004: 1982 Biotic Survey of Yucca Mountain**

**Purpose of Activity: Observe any effects on vertebrates caused by the intense vibrations by the machines. Also, to locate any desert tortoise, and other species of concern.**

**Comments:**

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**Type of Survey: Biological: Small Mammal Trapping**

**Activity Designation: BS82 SMT**  
**WBS Number: 1.2.3.6.1.E**  
**Work Order Number: DE-AC08-83NV10282**

**Area(s) Covered: Yucca Mountain and surrounding area.**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): EG&G Energy Measurements, Santa Barbara Operations**

**Description of Survey: Seven trap lines were established. Each line consisted of 15 stations (live trap locations) spaced at 15-yd intervals along either a straight or U-shaped line. Trap lines are identified as E, F, G, H, J, K, L.**

**Data Source: EGG 10282-2004: 1982 Biotic Survey of Yucca Mountain**

**Purpose of Activity: To determine the species composition and relative abundance of small mammals (<200g) in each major vegetation association.**

**Comments: One line was established in each major vegetation association. Sherman live-traps were used. Traps were operated during three trapping sessions: 6/29-7/2, 7/13-7/16, 7/27-7/29.**



**Survey Data Report  
Activity Type: BIOLOGICAL\*  
(Sorted by Activity Type and Source)**

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**Type of Survey: Biological: Vertebrates**

**Activity Designation: BS82 VER  
WBS Number: 1.2.3.6.1.E  
Work Order Number: DE-AC08-83NV10282**

**Area(s) Covered: 27.5 sq mi area located on and around Yucca Mountain.**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): EG&G Energy Measurements, Santa Barbara Operations.**

**Description of Survey: Ground surveys consisting of straight line transects at a density of 8 per mi. Transect length was 1 to 2.5 mi in length and 10 yd wide.**

**Data Source: EGG 10282-2004: 1982 Biotic Survey of Yucca Mountain**

**Purpose of Activity: Identify and describe the species composition and relative importance of fauna of the survey area; and determine if species of concern occurred onsite and posed any unusual conservation problems.**

**Comments: Data included species and number of all wildlife (mammals, reptiles, and birds) and associated sign observed. The condition, size, depth, general shape, and position relative to slope, of each desert tortoise cover-site encountered was recorded.**

---

**Type of Survey: Biological: Vegetation**

**Activity Designation: BS82 VEG  
WBS Number: 1.2.3.6.1.E  
Work Order Number: DE-AC08-83NV10282**

**Area(s) Covered: A 27.5 square mile area located on and around Yucca Mountain.**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization):**

**Description of Survey: Ground surveys consisted of straightline transects at a density of 8 per mile. Transect length was 1 to 2.5 miles and 10 yards wide. Transects were augmented by observations made by driving roads and conducting other foot surveys.**

**Data Source: EGG 10282-2004: 1982 Biotic Survey of Yucca Mountain.**

**Purpose of Activity: Identify and describe the species composition of the major vegetation associations and localized subassociations of the survey area; and determine if species of concern occurred on-site and posed any unusual conservation problems.**

**Comments: A map depicting vegetation associations was developed using results of field surveys.**

**Survey Data Report  
Activity Type: BIOLOGICAL\*  
(Sorted by Activity Type and Source)**

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**Type of Survey: Biological: Desert Tortoise Surveys**

**Activity Designation: BS83 DTS  
WBS Number: 1.2.3.6.1.E  
Work Order Number: DE-AC08-83NV10282**

**Area(s) Covered: 27.5 sq mi area located on and around Yucca Mountain.**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): EG&G Energy Measurements, Santa Barbara Operations**

**Description of Survey: Approx. 18 miles of meandering paths were walked on bajadas and lower slopes, both in areas where tortoise sign had been observed in 1982 and where significant impact from ES or repository construction was probable.**

**Data Source: EGG 10282-2031: 1983 Biotic Studies of Yucca Mountain**

**Purpose of Activity: Determine the distribution of live desert tortoises, especially in areas likely to be affected by mining an ES or by construction, operation, and decommissioning of a repository.**

**Comments: In addition to actual sightings of tortoise; the condition, size, depth, and general shape of each coversite encountered was recorded. Locations of sightings and coversites found were plotted on 7.5 minute topographic maps.**

---

**Type of Survey: Biological: Vegetation**

**Activity Designation: BS83 VEG  
WBS Number: 1.2.3.6.1.E  
Work Order Number: DE-AC08-83NV10282**

**Area(s) Covered: 27.5 sq mi area located on and around Yucca Mountain.**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): EG&G Energy Measurements, Santa Barbara Operations**

**Description of Survey: At each of the 9 small mammal traplines, 5 vegetation sampling lines were established perpendicular to the slope, with midpoints at the 2nd, 5th, 8th, 11th, and 14th trap stations.**

**Data Source: EGG 10282-2031: 1983 Biotic Studies of Yucca Mountain**

**Purpose of Activity: Provide a quantitative description of the major vegetation associations on Yucca Mountain.**

**Comments: Sampling lines consisted of: 1) a 50 m long line-intercept transects used to estimate canopy coverage of perennials; 2) 50 by 2 m belt transects used to estimate species composition and density of perennials; 3) ten 0.1 m sq quadrats used to estimate species composition and relative frequency of annuals.**

**Survey Data Report  
Activity Type: BIOLOGICAL\*  
(Sorted by Activity Type and Source)**

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**Type of Survey:** Biological: Small Mammal Trapping

**Activity Designation:** BS83 SMT  
**WBS Number:** 1.2.3.6.1.E  
**Work Order Number:** DE-AC08-83NV10282

**Area(s) Covered:** 27.5 sq mi area located on and around Yucca Mountain.

**Location Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):** EG&G Energy Measurements, Santa Barbara Operations

**Description of Survey:** Nine traplines were established. Each line consisted of placing 2 live traps at each of 15 stations located at 15-yd intervals along either a straight or U-shaped line. Traplines were identified as E, F, G, H, J, K, L, M, P.

**Data Source:** EGG 10282-2031: 1983 Biotic Surveys of Yucca Mountain

**Purpose of Activity:** Collect additional information on species composition and relative frequency of small mammal assemblages.

**Comments:**

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**Type of Survey:** Biological: Dosimetry

**Activity Designation:** BS84 DOS  
**WBS Number:** 1.2.3.6.1.E  
**Work Order Number:** DE-AC08-83NV10282

**Area(s) Covered:** 27.5 sq. mi. area located on and around Yucca Mountain.

**Location Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):** EG&G Energy Measurements, Santa Barbara Operations

**Description of Survey:** Selected kangaroo rats, trapped via small mammal trapping studies, were fitted with dosimeter collars. Collars were retrieved during subsequent trapping sessions.

**Data Source:** EGG 10282-2057: 1984 Biotic Studies of Yucca Mountain

**Purpose of Activity:** To gather information on the external gamma radiation exposure doses received by kangaroo rats.

**Comments:** High-sensitivity lithium fluoride (LiF) thermoluminescent dosimeters (TLD) measuring 3x3x1 mm were used. A total of 47 resident kangaroo rats were fitted with collars. 38 collars (83%) were retrieved during subsequent trapping sessions.

**Survey Data Report  
Activity Type: BIOLOGICAL\*  
(Sorted by Activity Type and Source)**

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**Type of Survey: Biological: Desert Tortoise Survey**

**Activity Designation: BS84 DTS  
WBS Number: 1.2.3.6.1.E  
Work Order Number: DE-AC08-83NV10282**

**Area(s) Covered: 27.5 sq mi area located on and around Yucca Mountain**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): EG&G Energy Measurements, Santa Barbara Operations**

**Description of Survey: Straight line transects were established at 50-yd intervals for a density of 32 per mile. A total of 76 transects covering 69 linear miles was conducted in six areas. Surveys occurred primarily on bajadas and lower slopes.**

**Data Source: EGG 10282-2057: 1984 Biotic Studies of Yucca Mountain**

**Purpose of Activity: Determine the distribution of live desert tortoises in areas expected to be impacted by repository surface facilities.**

**Comments: In addition to actual sighting of desert tortoise, the location of all sign found were plotted on 7.5-minute topographic maps.**

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**Type of Survey: Biological: Small Mammal Trapping**

**Activity Designation: BS84 SMT  
WBS Number: 1.2.3.6.1.E  
Work Order Number: DE-AC08-83NV10282**

**Area(s) Covered: 27.5 sq. mi. area located on and around Yucca Mountain.**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): EG&G Energy Measurements, Santa Barbara Operations**

**Description of Survey: Six traplines were established. Each line consisted of placing 2 live-traps at each of 15 stations located at 15-yd intervals along either a straight or U-shaped line. Traplines were identified as H, J, K, L, M, P.**

**Data Source: EGG 10282-2057: 1984 Biotic Surveys of Yucca Mountain**

**Purpose of Activity: Collect additional information on species composition and relative frequency of small mammal assemblages.**

**Comments:**

4.1.16

**Survey Data Report**  
**Activity Type: SOCIOECONOMIC\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey: Socioeconomic: Demographic**

**Activity Designation: SS86 DEM**  
**WBS Number: 1.2.3.7.T**  
**Work Order Number: DE-AC08-83NV10270**

**Area(s) Covered: Highways: I-15 Northbound and southbound; US 95 Northbound and southbound; I-80 eastbound, and SR 373 northbound. Railroads: Union Pacific westbound and eastbound.**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): SAIC**

**Description of Survey: The RADTRAN II modeling procedure (DOE, 1986; Appendix A) was used to estimate radiological and nonradiological risk due to high-level waste transportation. The three classifications of population density used were urban, suburban, and rural.**

**Data Source: DOE/NV/10270-12: Population Densities Along Nevada Transportation Routes**

**Purpose of Activity: To estimate population density along Nevada transportation routes. These estimates have been revised based on comments received on the draft EAs.**

**Comments: All information was based on a reference year of 1980 to be consistent with the national values utilized in the EA.**

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**Type of Survey: Socioeconomic: Impacts**

**Activity Designation: SS84 IMP**  
**WBS Number: 1.2.3.7.S**  
**Work Order Number: DE-AC04-76DP00789**

**Area(s) Covered: Nye and Clark Counties, Nevada**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): McBrien & Jones, the MITRE Corp., McLean, Virginia**

**Description of Survey: The following potential impact categories were examined and analyzed: economics, employment, demographics, solid waste disposal, sewage and water treatment, education, medical services, law enforcement, and fire protection.**

**Data Source: SAND84-7201: Socioeconomic Impacts**

**Purpose of Activity: To present a preliminary socioeconomic impact analysis in support of a DOE decision on the nomination of the Yucca Mt. site as a potential high-level radioactive waste repository.**

**Comments: Potential impacts were considered for the following four phases of the repository's development: 1) construction, 2) operation, 3) retrievability, and 4) decommissioning.**

4.1.17

**Survey Data Report**  
**Activity Type: PALEOCLIMATE\***  
**(Sorted by Activity Type and Source)**

---

**Type of Survey: Paleoclimate**

**Activity Designation: H&N PCS-2**  
**WBS Number: 1.2.3.6**  
**Work Order Number: 14-08-0001-17869**

**Area(s) Covered: Packrat-midden sample sites on Eleana Range, Specter Range, Point of Rocks, Owl Canyon, and Last Chance Range. Climatic data from Beatty, Winnemucca, Elko, Austin, Eureka, and Ely, Nevada.**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): U.S. Geological Survey**

**Description of Survey: Collection and analysis of packrat middens to identify the paleoenvironment of the NTS area; and collect climatic data from present analog environments.**

**Data Source: USGS-OFR-83-535**

**Purpose of Activity: To assess the long-term environmental stability of the NNWSI site area in order to anticipate the impact of possible future climatic change.**

**Comments: A combined field collection and laboratory analysis project. Packrat middens were sampled at 13 different sites (see attached table) and radio carbon analysis conducted. Temp. and precp. data were collected from 6 different stations in Nevada (see attached).**

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**Type of Survey: Paleoclimate**

**Activity Designation: H&N PCS-1**  
**WBS Number: 1.2.3.6**  
**Work Order Number: 14-08-0001-17869**

**Area(s) Covered: Eleana Range**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): U.S. Geological Survey**

**Description of Survey: Collection and analysis of packrat middens to identify the paleoenvironment of the NTS area, and collect climatic data from present analog environments**

**Data Source: USGS Water Resources Investigations Report 84-4328**

**Purpose of Activity: Reconstruction of the paleoclimate between 10,000 and 17,000 years before present; based on contents of fossilized packrat middens**

**Comments: A combined field collection-laboratory analysis project**



Attached Table for Paleoclimate Survey H&N PCS-2, Packrat-midden sample sites and Climatic data collection locations.

#### PACKRAT-MIDDEN SITES

<u>Site</u>	<u>Latitude (N)</u>	<u>Longitude (W)</u>	<u>Elevation (meters)</u>
Eleana Range (ER) 2	37°07'18"	116°14'03"	1,810
Eleana Range (ER) 3	37°07'15"	116°13'49"	1,800
Specter Range (Spc) 1	36°38'31"	116°05'00"	1,040
Specter Range (Spc) 2	36°40'16"	116°12'33"	1,190
Point of Rocks (PR) 1	36°34'13"	116°04'45"	900
Point of Rocks (PR) 2	36°33'48"	116°04'55"	930
Point of Rock (PR) 3	36°34'10"	116°05'10"	910
Owl Canyon (OC) 1	36°24'	116°14'	790
Owl Canyon (OC) 2	36°24'27"	116°14'23"	800
Owl Canyon (OC) 3	36°24'18"	116°14'29"	790
Last Chance Range (LCR) 1	36°17'25"	116°07'40"	960

#### TEMPERATURE AND PRECIPITATION STATIONS

<u>Station</u>	<u>Latitude (N)</u>	<u>Longitude (W)</u>	<u>Elevation (meters)</u>
Beatty, NV	37°00'	116°43'	1,082
Winnemucca, NV	40°54'	117°43'	1,311
Elko, NV	40°50'	115°47'	1,547
Austin, NV	39°30'	117°05'	2,014
Eureka, NV	39°31'	115°58'	1,994
Ely, NV	39°17'	114°51'	1,906

4.1.18

**Survey Data Report**  
**Activity Type: GRAVITY MEASUREMENTS\***  
**(Sorted by Activity Type and Source)**

---

**Type of Survey: Gravity Measurements**

**Activity Designation: H&N GS 80-1**  
**WBS Number: 1.2.3.2.2.1.G**  
**Work Order Number: DE-A108-78ET44802**

**Area(s) Covered: 1,357 gravity stations located in an area extending from Bare Mtn. on the west to Jackass Flat on the east, Amargosa Valley to the south, and Timber Mtn. to the north.**

**Location Surveyed (Yes or No): Yes**

**Type of Survey: A/B**

**Surveyor (Organization): USGS**

**Description of Survey: Data from a total of 1,357 gravity stations were used to produce the preliminary results addressed by the source report. This data was also used to produce the "Residual Gravity Anomaly Map of Yucca Mountain and Vicinity" (Plate 1).**

**Data Source: USGS-OFR-82-701**

**Purpose of Activity: Results of the study provide a significant new perspective from which to understand the gravity field and subsurface geology of Yucca Mountain and vicinity. Three gravity modeling profiles were generated from this activity.**

**Comments: About 100 surface-rock samples, three borehole gamma-gamma logs, and one borehole gravity study were used to provide density control.**

---

**Type of Survey: Gravity Measurements**

**Activity Designation: H&N GS 82-1**  
**WBS Number: 1.2.3.2.2.1.G**  
**Work Order Number: DE-A108-78ET44802**

**Area(s) Covered: Southwest quadrant of the Nevada Test Site.**

**Location Surveyed (Yes or No): Yes**

**Type of Survey: A/B**

**Surveyor (Organization): U.S. Geological Survey**

**Description of Survey: Three gravity profiles and 2,604 gravity stations in the southwest quadrant of the NTS are documented by this activity and the source report. More than 1,000 measurement sites added since 1980 are clustered around three candidate storage sites.**

**Data Source: USGS OFR-82-1041**

**Purpose of Activity: To geophysically interpret the candidate high-level nuclear waste storage sites in the southwest NTS. The sites include Calico Hills, Yucca Mountain, and Wahmonie.**

**Comments: This report includes all gravity stations located in the southwest quadrant of the NTS as of January, 1982. This would include the 1,357 documented in USGS-OFR-82-701 (Atlas Activity Gravity Survey 80-1). The three profiles of that report correspond to the same 3 profiles of this report.**

4.1.19

**Survey Data Report**  
**Activity Type: MAGNETIC SURVEY\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey: Magnetic Survey: Resistivity (VES)**

**Activity Designation: H&N RS-2**  
**WBS Number: 1.2.3.2.2**  
**Work Order Number:**

**Area(s) Covered: Yucca Mtn and Fortymile Wash vicinity.**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): H&N (AREA 8, NTS)**

**Description of Survey: 29 Schlumberger sounding sites - see map.**

**Data Source: USGS-OFR-82-1043**

**Purpose of Activity: To determine geoelectric characteristics and relate them to thickness and horizontal continuity in the Yucca Mtn & Jackass Flats area.**

**Comments: Vertical Electrical Soundings were made w/9 4 electrode Schlumberger array.**

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**Type of Survey: Magnetic Survey: Resistivity (Magnetometric)**

**Activity Designation: NTS-1 & NTS-2**  
**WBS Number: 1.2.3.2.2.1.G**  
**Work Order Number: DE-AI08-78ET44802**

**Area(s) Covered: Fortymile Wash**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): U.S. Geological Survey**

**Description of Survey: The survey was conducted along two lines (NTS-1 & NTS-2). These lines ran roughly perpendicular to a mapped fault. The transmitter wire formed a broad "V" shape with the electrodes roughly on strike with the mapped fault. The frequency of the transmitter was 1 hz.**

**Data Source: USGS-OFR-82-401**

**Purpose of Activity: To determine if magnetometric resistivity is useful in locating faults.**

**Comments: A field test of the magnetometric resistivity method over a concealed fault did detect a conductivity boundary.**

**Survey Data Report**  
**Activity Type: MAGNETIC SURVEY\***  
**(Sorted by Activity Type and Source)**

---

**Type of Survey:** Magnetic Survey: Magnetotelluric (Remote Sensing)

**Activity Designation:** H&N MT 80-1  
**WBS Number:** 1.2.3.2.2.1.G  
**Work Order Number:** DE-AI08-78ET 44802

**Area(s) Covered:** NTS and vicinity (Southern Nevada and a small section of southwest California)

**Location Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):** Argonaut Enterprises for the USGS

**Description of Survey:** The survey consisted of locating 15 remote reference MT soundings stations in southern Nevada and southwest California. MT stations were numbered U011, U012, U013, U014, U016, U017, U018, U019, U020, U021, U022, U023, U024, U025, U026.

**Data Source:** USGS-OFR-82-465

**Purpose of Activity:** To assist in defining the crustal geoelectric section of area within and adjacent to the NTS

**Comments:** The 15 MT stations were located as closely as possible to the Southern Great Basin Seismic Network (SGBSN) monitoring stations (Atlas activity SGBSN)

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**Type of Survey:** Magnetic Survey: Air Traverse

**Activity Designation:** 1977 IGRF  
**WBS Number:**  
**Work Order Number:**

**Area(s) Covered:** Nevada Test Site (NTS)

**Location Surveyed (Yes or No):** Yes

**Type of Survey:**

**Surveyor (Organization):** U.S. Geological Survey

**Description of Survey:** The survey was a low altitude aeromagnetic survey along east-west traverses about 400 m (1,320 ft) apart and 120 m (400 ft) above the surface.

**Data Source:** USGS-OFR-84-120

**Purpose of Activity:** This survey was used to produce the 1977 International Geomagnetic Reference Field (IGRF) for aeromagnetic maps published for the NTS (USGS 1977).

**Comments:** The residual anomalies shown on Figures 11 and 12 of the report were compiled by adding 350 nT to the IGRF (350 nT is the difference between the IGRF datum and the 0 reference in Mercury.)

**Survey Data Report**  
**Activity Type: MAGNETIC SURVEY\***  
**(Sorted by Activity Type and Source)**

---

**Type of Survey:** Magnetic Survey: Air Traverse

**Activity Designation:** 1980 IGRF

**WBS Number:**

**Work Order Number:**

**Area(s) Covered:** Nevada Test Site (NTS)

**Location Surveyed (Yes or No):** Yes

**Type of Survey:**

**Surveyor (Organization):** U.S. Geological Survey

**Description of Survey:** The survey was a low-altitude aeromagnetic survey along north-south traverses about 400 m (1,320 ft) apart and 120 m (400 ft) above the surface.

**Data Source:** USGS-OFR-84-120

**Purpose of Activity:** This survey was a 1980 International Geomagnetic Reference Field (IGRF) aeromagnetic survey.

**Comments:** This study used datum from 13 Flight lines. A constant of 510 nT was added to the IGRF datum, and contours adjusted accordingly.

---

**Type of Survey:** Magnetic Survey: Ground Traverse

**Activity Designation:** A79, B79

**WBS Number:** 1.2.3.3.2.1.G

**Work Order Number:** DE-A108-78ET44802

**Area(s) Covered:** Existing roads from Mercury, NV to Yucca Wash and the Calico Hills, NTS.

**Location Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):** U.S. Geological Survey (USGS)

**Description of Survey:** Survey consisted of two truck-borne, ground traverses along existing roads in the southern and southwestern NTS. Traverse 479 extended 60.5 km (37.6 mi) from Mercury to Yucca Wash; and B79 extended 46.8 km (29 mi) from Mercury to the Calico Hills.

**Data Source:** USGS-OFR-84-120

**Purpose of Activity:** To carry the reference value - defined as zero and located over large, nonmagnetic areas in the Mercury, NV area - into the Yucca Mountain and Calico Hills Area.

**Comments:**

**Survey Data Report**  
**Activity Type: MAGNETIC SURVEY\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey: Magnetic Survey: Ground Traverse**

**Activity Designation: E67**  
**WBS Number: 1.2.3.2.2.1.G**  
**Work Order Number: DE-AI08-78ET4408**

**Area(s) Covered: Yucca Flat**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): USGS**

**Description of Survey:** The survey consisted of 1 ground traverse across Yucca Fault at Yucca Flat. Traverse E67-E67' was selected to investigate effects arising primarily from the upthrown side of the fault.

**Data Source: USGS-OFR-84-120**

**Purpose of Activity:** To develop the basis to investigate the relation of magnetic anomalies to buried geologic features at the Yucca Mountain site.

**Comments:** Data from aeromagnetic surveys flown in 1976 and 1979 were used in compiling this report.

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**Type of Survey: Magnetic Survey: Ground Traverse**

**Activity Designation: H82, I82, J82**  
**WBS Number: 1.2.3.3.2.G**  
**Work Order Number: DE-AI08-78ET44802**

**Area(s) Covered: Yucca Mountain**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): U.S. Geological Survey (USGS)**

**Description of Survey:** Survey consisted of 3 ground traverses - H82 (In Solitario Canyon), I82 (From Dune Wash NNE to Yucca Crest), and J82 (From Bow Ridge NE to Yucca Crest). Ground anomalies were measured at 3-m intervals.

**Data Source: USGS-OFR-84-120**

**Purpose of Activity:** To investigate the continuity of east-west Features, anomalies remaining after the deep source was removed, and magnetization of outcropping units or those beneath a thin cover of alluvium.

**Comments:** The zero datum near Mercury was brought into the area via GS-GT(A79).



**Survey Data Report**  
**Activity Type: MAGNETIC SURVEY\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey:** Magnetic Survey: Ground Traverse

**Activity Designation:** A82, A83, B83, & C83  
**WBS Number:** 1.2.3.2.2.1.G  
**Work Order Number:** DE-A108-78ET44802

**Area(s) Covered:** Aeromagnetic anomaly on west side of Yucca Mountain

**Location Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):** U.S. Geological Survey

**Description of Survey:** This survey consisted of 4 ground traverses (A82, A83, B83, and C83) which were run to measure ground anomalies at 3-m (10-ft) intervals.

**Data Source:** USGS-OFR-85-459

**Purpose of Activity:** To investigate the source of a prominent aeromagnetic anomaly of 290 nT which is on the high-standing side of the Solitario Canyon Fault. The anomaly was detected on a N-S aeromagnetic flight-line in 1980 (activity 1980 IGRF).

**Comments:** Data from a Fifth ground traverse (H82) was also used in this investigation. The traverse is documented by Atlas Activity MS-GT (H82, I82, J82) and USGS-OFR-84-120.

4.1.20

**Survey Data Report**  
**Activity Type: SEISMIC REFLECTION\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey: Seismic Reflection**

**Activity Designation: BW**

**WBS Number:**

**Work Order Number:**

**Area(s) Covered: Yucca Mountain near Drill Hole Wash from drillholes USW G-1 to USW-H1 (Figure 1A of source report)**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization):**

**Description of Survey: Seismic source was Vibroseis. Recording parameters included a rectangular 100x200 ft receiver array containing 10 rows of 12 geophones each separated 8.5 ft and a 48 to 6 hz downsweep; plus, 24 channels, 24 stack fold, 16 second sweep, 3 vibrators 50 ft apart inline w/ a 5 ft moveup, 50 ft intervals, 4 millisecond sampling and offsets of 500/2850 ft.**

**Data Source: USGS-OFR-83-912**

**Purpose of Activity: To conduct a two-dimensional subsurface reflection survey to further test the feasibility of the reflection method at Yucca Mountain and establish a tie between the two drillholes.**

**Comments: The survey was conducted by Birdwell. A noise study was conducted prior to the reflection survey. It utilized the Vibroseis source walkway technique where receiver arrays remain stationary as the source moves away in a linear pattern.**

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**Type of Survey: Seismic Reflection**

**Activity Designation: CSM**

**WBS Number:**

**Work Order Number:**

**Area(s) Covered: West of Yucca Mt. on NTS (see Figure 1A of source report)**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization):**

**Description of Survey: Seismic source used was Vibroseis. Acquisition parameters included a receiver array consisting of 1 buried geophone and a sweep frequency of 30-120 hz; plus 18 hz geophones, 55 ft station intervals, 6 second upsweep at 9 vibrator positions, 6 ft vibrator move up, 48 channel recording, 24 fold stack 2 millisecond interval, and offsets of 55/1320 ft.**

**Data Source: USGS-OFR-83-912**

**Purpose of Activity: Two-dimensional reflection survey to obtain detailed shallow subsurface geologic information.**

**Comments: Survey was conducted by Colorado School of Mines. Initially, a detailed noise analysis was conducted, which consisted of a small common depth point reflection line, various geophone arrays and a broad range of input sweep frequencies.**

**Survey Data Report**  
**Activity Type: SEISMIC REFLECTION\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey:** Seismic Reflection: Noise Profiles

**Activity Designation:** H&N SR-NP-82  
**WBS Number:**  
**Work Order Number:** DE-AI08-78ET44802

**Area(s) Covered:** Noise profiles were recorded in the alluvial valley directly east of Yucca Mt. (see Figure A1 of source report).

**Location Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Description of Survey:** Noise studies consisted of both inline (walkaway) and circular (tornado) profiles. The inline profile consisted of 96 recording stations each w/12 geophones 10 ft apart. 4 shotpoints were used, each 950 ft apart. Both Vibroseis and Vector Pulse sources were tested. 6 separate sweeps were run.

**Data Source:** USGS-OFR-83-912, Profiles conducted by Seisdata, Inc.

**Purpose of Activity:** To measure velocity, frequency and wavelength of source generated noise in the line of profile in order to seek a window between noise patterns for observing reflection information.

**Comments:** The circular profile used concentric circular spreads w/32 stations at 10 foot spacing on the outer circle of 102 ft radius. Each station consisted of 12 geophones. Shotpoint sources consisted of both Vibroseis and Vector Pulse.

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**Type of Survey:** Seismic Reflection

**Activity Designation:** G-2  
**WBS Number:**  
**Work Order Number:** DE-AI08-78ET44802

**Area(s) Covered:** Southeast trending ridgeline at the north end of Yucca Mt. (see Figure 1A of source report)

**Location Surveyed (Yes or No):** Yes

**Type of Survey:** A/B

**Surveyor (Organization):** H&N

**Description of Survey:** Seismic source consisted of 10 lbs of dynamite detonated in 200 foot deep holes. Receiver arrays consisted of 96 geophones spaced at 15 feet with a total pattern length of 210 feet.

**Data Source:** USGS-OFR-83-912, Survey conducted by Seisdata, Inc.

**Purpose of Activity:** To display a 3-dimensional subsurface reflection survey of the Yucca Mt. area using dynamite as the seismic source.

**Comments:** Seismic shot holes U-25#1 through U-25#19 were the source holes for this survey. The survey was conducted and processed by Seismic International Research Corp and Seisdata Services, Inc.

**Survey Data Report**  
**Activity Type: SEISMIC REFLECTION\***  
**(Sorted by Activity Type and Source)**

---

**Type of Survey:** Seismic Reflection

**Activity Designation:** S-2

**WBS Number:**

**Work Order Number:** DE-AI08-78ET44802

**Area(s) Covered:** Yucca Mt. (see Figure 1A of source report)

**Location Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Description of Survey:** Seismic source was Vector Pulse (Primacord), with a 6x1 matrix, 56" Primacord buried @ 16", 7 hole array, 16 ft spacing. Recording parameters included a 96 channel MDS-10, 6 stations by 179 rows, 50 ft grid receiver station matrix 6x16 (96 total stations), 12 LRS1000 10 Hz geophones/station, 9 ft interval.

**Data Source:** USGS-OFR-83-912, Survey conducted by Seisdata, Inc.

**Purpose of Activity:** To display a 3-dimensional subsurface reflection survey of the Yucca Mtn. area using primacord as the seismic source. This was done in an attempt to record reflections from the beds lying less than 500 feet deep.

**Comments:**

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**Type of Survey:** Seismic Reflection

**Activity Designation:** W-4

**WBS Number:**

**Work Order Number:** DE-AI08-78ET44802

**Area(s) Covered:** Yucca Mountain (see Figure 1A of Source Report)

**Location Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):**

**Description of Survey:** The seismic source consisted of a combination of Vibroseis and Vector Pulse (Primacord) because of mechanical failures of the Vibroseis machinery. Vibroseis consisted of 3 vibrators sweeping 18 times at a spacing of 12.5 ft and a pattern of 156 ft. Vector Pulse source array used 11 elements spaced at 9 ft.

**Data Source:** USGS-OFR-83-912, Survey conducted by Seisdata, Inc.

**Purpose of Activity:** To display a 3-dimensional subsurface reflection survey of the Yucca Mountain area using Vibroseis as the seismic source

**Comments:** The recorder array consisted of an 8x12 3-dimensional grid consisting of 105 foot station intervals and 800 to 1900 ft receiver offsets, 96 geophones at 15 ft intervals over a length of 210 ft.

Survey Data Report  
Activity Type: SEISMIC REFLECTION\*  
(Sorted by Activity Type and Source)

---

Type of Survey: Seismic Reflection

Activity Designation: S-4

WBS Number:

Work Order Number: DE-A108-78ET44802

Area(s) Covered: Yucca Mt. (see Figure 1A of source report).

Location Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Description of Survey: Seismic source was Vector Pulse (Primacord), with a 6x1 matrix, 56# Primacord buried @ 16", 7 hole array, 16 ft spacing. Recording parameters included 96 channel MDS-10, 6 stations by 126 rows, 50 ft station interval, 12 LRS 1000 10 Hz geophones per station, 9 ft interval, receiver station matrix 6x16 (96 total stations).

Data Source: USGS-OFR-83-912 Survey conducted by Seisdata, Inc.

Purpose of Activity: To display a 3-dimensional subsurface reflection survey of the Yucca Mt. area using primacord as the seismic source. This was done in an attempt to record reflections from the beds lying less than 500 feet deep.

Comments:

4.1.21

**Survey Data Report**  
**Activity Type: SEISMIC REFRACTION\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey: Seismic Refraction**

**Activity Designation: CALICO**  
**WBS Number: 1.2.3.2.2.G**  
**Work Order Number:**

**Area(s) Covered: Calico Hills**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): H&N (AREA 6, NTS)**

**Description of Survey: Spread was 5.52 km long, geophones spaced at 120 meters, charge size ranged from 9-180 kg.**

**Data Source: USGS-OFR-82-478**

**Purpose of Activity: Develop data to formulate a geologic model of Calico Hills as a potential nuclear waste repository.**

**Comments:**

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**Type of Survey: Seismic Refraction**

**Activity Designation: WAHMONIE S & E**  
**WBS Number: 1.2.3.2.2.2.G**  
**Work Order Number:**

**Area(s) Covered: Wahmonie Site**

**Location Surveyed (Yes or No): No**

**Type of Survey:**

**Surveyor (Organization): H&N (AREA 6, NTS)**

**Description of Survey: The survey consisted of 2, 24-channel spreads at the Wahmonie site (designated as Wahmonie South and Wahmonie East). Wahmonie East was 1330 meters long, with 60 m geophone spacing. Wahmonie South was 2760m long.**

**Data Source: USGS-OFR-82-478**

**Purpose of Activity: Develop data to formulate a geologic model of the Wahmonie site as a potential nuclear waste repository.**

**Comments: The seismic source consisted of high velocity explosive charges of up to 180 kg.**



**Survey Data Report**  
**Activity Type: SEISMIC REFRACTION\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey:** Seismic Refraction

**Activity Designation:** YUCCA-A, -2B, & -C

**WBS Number:** 1.2.3.2.2.2.G

**Work Order Number:**

**Area(s) Covered:** Yucca Mountain

**Location Surveyed (Yes or No):** No

**Type of Survey:**

**Surveyor (Organization):** USGS

**Description of Survey:** This seismic refraction survey experiment consisted of 3, 24-channel spreads (designated as Yucca-A, Yucca-2B, and Yucca-C), 2.76 km long using 120 meter geophone spacing, with high velocity explosive charges of up to 180 kg as the seismic source.

**Data Source:** USGS-OFR-82-478

**Purpose of Activity:** Survey was a reconnaissance refraction survey, experimental in nature, with the purpose of attempting to develop data to formulate a geologic model of Yucca Mt. as a potential nuclear waste repository.

**Comments:**

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**Type of Survey:** Seismic Refraction

**Activity Designation:** SP-1

**WBS Number:** 1.2.3.2.2.2.G

**Work Order Number:** DE-AI08-78ET44802

**Area(s) Covered:** Shot Point 1 (SP-1) was located on Pahute Mesa. Portable seismic recorders were stationed along a short N-S line in the SW corner of the NTS and in an extended E-W fan array across the southern 1/3 of the NTS.

**Location Surveyed (Yes or No):** Yes

**Type of Survey:** L/O

**Surveyor (Organization):** USGS

**Description of Survey:** The seismic source for SP-1 was a nuclear event detonated below Pahute Mesa as part of operations at the NTS. The 100 portable seismic recorders were stationed at 50 different locations along the two lines (2 recorders per location).

**Data Source:** USGS Open File Report 83-588

**Purpose of Activity:** To determine variations in the near-surface velocity of the upper crust.

**Comments:** This survey resulted in approximately 80% data recovery.

**Survey Data Report**  
**Activity Type: SEISMIC REFRACTION\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey: Seismic Refraction**

**Activity Designation: SP-2**  
**WBS Number: 1.2.3.2.2.G**  
**Work Order Number: DE-AI08-78ET44802**

**Area(s) Covered:** Shot point #2 (SP-2) was located in Yucca Flat. Portable seismic recorders were located along a NE - SW trending line and an ENE - WSW fan array across the southern portion of the NTS.

**Location Surveyed (Yes or No): Yes**

**Type of Survey: L/O**

**Surveyor (Organization): USGS**

**Description of Survey:** The seismic source for SP-2 was a nuclear event detonated below northern Yucca Flat as part of operations at the NTS. The 100 portable seismic recorders were stationed at 50 separate locations along the two lines (2 recorders per location).

**Data Source:** USGS Open File Report 83-588

**Purpose of Activity:** To determine variations in the near surface velocity structure of the upper crust.

**Comments:** This survey resulted in almost 90% data recovery.

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**Type of Survey: Seismic Refraction**

**Activity Designation: SP-3**  
**WBS Number: 1.2.3.2.2.G**  
**Work Order Number: DE-AI08-78ET44802**

**Area(s) Covered:** Shot Point #3 (SP-3) was located on Pahute Mesa. Portable seismic recorder stations were located along two N-S trending lines deployed to the east and west of Yucca Mountain and extending to Death Valley Junction, and the Amargosa Valley.

**Location Surveyed (Yes or No): Yes**

**Type of Survey: L/O**

**Surveyor (Organization): USGS**

**Description of Survey:** The seismic source for SP-3 was a nuclear event detonated below Pahute Mesa as part of operations at the NTS. The 100 portable recorders were stationed at 100 separate locations.

**Data Source:** USGS Open File Report 83-588

**Purpose of Activity:** To determine variations in the near surface velocity structure of the upper crust.

**Comments:** This survey resulted in less than 70% data recovery. The two recorder lines provided the closest data to the proposed repository site. All first arrivals were basement (Pg) arrivals.

**Survey Data Report**  
**Activity Type: SEISMIC REFRACTION\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey: Seismic Refraction**

**Activity Designation: SP-4**  
**WBS Number: 1.2.3.2.2.2.G**  
**Work Order Number: DE-A108-78ET44802**

**Area(s) Covered:** Shot Point #4 (SP-4) was located southeast of Beatty, NV. Portable seismic recorder stations were located along an E-W trending line which crossed Bare and Yucca Mountains and extended to Skull Mountain to the east.

**Location Surveyed (Yes or No): Yes**

**Type of Survey: L/O**

**Surveyor (Organization): USGS**

**Description of Survey:** The seismic source for SP-4 consisted of a 2,480 pound charge of ammonium nitrate fired below the water table. The 100 portable recorders were stationed at separate locations along the profile.

**Data Source:** USGS Open File Report 83-588

**Purpose of Activity:** To determine variations in the near surface velocity structure of the upper crust. The shot was also intended to better constrain the velocity structure of the uppermost crust and determine field parameters for a future detailed study.

**Comments:** This survey resulted in approximately 85% data recovery.

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**Type of Survey: Seismic Refraction**

**Activity Designation: H&N SRS-85**  
**WBS Number: 1.2.3.2.2.2.G**  
**Work Order Number: DE-A108-78ET44802**

**Area(s) Covered:** Line A: Jackass flats to the northern Amargosa Desert. Line B: Mercury Nevada west to the Nevada/California border. Line C: Buckboard Mesa south past Lathrop Wells along Fortymile Wash.

**Location Surveyed (Yes or No): Yes**

**Type of Survey: L/O**

**Surveyor (Organization): USGS**

**Description of Survey:** The survey consisted of 3 separate deployments (two E-W and one N-S profiles). 31 shots, each approx. 36 m deep loaded with 900 to 1850 kg ammonium nitrate explosive, were recorded by 120 portable seismographs, with station spacing of approx 0.3 km. 10 shotpoints were fired along Line A, 10 along Line B, and 11 along Line C

**Data Source:** USGS Open File Report 85-591

**Purpose of Activity:** To better define the P(compressional)-wave velocity structure of the upper crust in the Yucca Mountain area.

**Comments:**

4.1.22

Run Date: 03-jun-1988

Survey Data Report  
Activity Type: \*  
Activity IDs: H&N USD-\*  
(Sorted by Activity Type and ID)

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Type of Survey: Uranium Series Dating

Activity Designation: H&N USD-1  
WBS Number: 1.2.3.2.3.1.G  
Work Order Number: DE-AI08-78ETU4802

Area(s) Covered: Eastern edge of Crater Flats and Yucca Mtn and into the Amargosa Desert

Location Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Start Date:

Description of Survey: Survey consists of 10 sample sites #s 368, 386, 387, 395, 412, 379, 79-3-7P, 80-10-20F, 81-3-19F, AM-9.

Data Source: USGS-OFR-85-47

Purpose of Activity: Age dating fault movement in the Yucca Mtn vicinity.

Comments: Activity ratios determined by alpha spectrometry.

Run Date: 03-jun-1988

Survey Data Report  
Activity Type: \*  
Activity IDs: H&N USD-\*  
(Sorted by Activity Type and ID)

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Type of Survey: Uranium Series Dating

Activity Designation: H&N USD-2  
WBS Number: 1.2.3.2.3.1.G  
Work Order Number: DE-AI08-78ET44802

Area(s) Covered: Yucca Mtn and vicinity east to Rock Valley, and from Highway 95 north to Oak Spring Butte.

Location Surveyed (Yes or No): No

Type of Survey:

Surveyor (Organization):

Start Date:

Description of Survey: Survey consisted of collecting samples from 24 location. See map for individual locations.

Data Source: USGS-OFR-81-119

Purpose of Activity: Age dating fault movement near the possible Yucca Mtn nuclear waste repository.

Comments: All activity ratios were determined by alpha spectrometry.

4.1.23

**Survey Data Report**  
**Activity Type: ROCK PROPERTIES\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey: Rock Properties**

**Activity Designation: G-TUNNEL-1**  
**WBS Number: 1.2.3.2.2.3.G**  
**Work Order Number:**

**Area(s) Covered: G-Tunnel**

**Location Surveyed (Yes or No): Yes**

**Type of Survey:**

**Surveyor (Organization): H&N (AREA 6, NTS)**

**Description of Survey: 5 field testing programs: 1) geotechnical measurements, 2) small diameter heater experiments, 3) heated block experiment, 4) pressurized slot experiment, 5) welded tuff mining experiment**

**Data Source: SAND-86-1015: Contractor Report**

**Purpose of Activity: Summarizes geomechanical experiments and data obtained in G-Tunnel for the NNWSI Project.**  
**Experiments were initiated in G-Tunnel due to similar tuff and stress conditions at Yucca Mountain.**

**Comments: Prototype testing in G-Tunnel is continuing.**



**Survey Data Report**  
**Activity Type: GEOPHYSICAL TOMOGRAPHY\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey: Geophysical Tomography**

**Activity Designation: G-TUNNEL-2**

**WBS Number: 1.2.3.2.2.3.G**

**Work Order Number: DE 85010826**

**Area(s) Covered: G-Tunnel, NTS**

**Location Surveyed (Yes or No): Yes**

**Type of Survey:**

**Surveyor (Organization): H&N (AREA 6, NTS)**

**Description of Survey: 4 boreholes drilled**

**Data Source: UCID-20289: Contractor Report**

**Purpose of Activity: In situ electromagnetic measurements were performed to evaluate the applicability of alterant geophysical tomography to delineate flow paths in fractured welded tuffs.**

**Comments: Tests were simulated by the emplacement of heaters within the rock mass (1st of 2 preliminary reports).**

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**Type of Survey: Geophysical Tomography**

**Activity Designation: G-TUNNEL-3**

**WBS Number: 1.2.3.2.2.3.G**

**Work Order Number: DE 85012971**

**Area(s) Covered: G-Tunnel, NTS**

**Location Surveyed (Yes or No): Yes**

**Type of Survey:**

**Surveyor (Organization): H&N (AREA 6, NTS)**

**Description of Survey: 4 boreholes drilled**

**Data Source: UCRL-92229: Contractor Report**

**Purpose of Activity: In situ electromagnetic measurements were performed to evaluate the applicability of alterant geophysical tomography to delineate flow paths in fractured welded tuffs.**

**Comments: Tests were simulated by the emplacement of heaters within the rock mass (1st of 2 preliminary reports).**

41.1.24

**Survey Data Report**  
**Activity Type: SPENT FUEL TESTS\***  
**(Sorted by Activity Type and Source)**

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**Type of Survey: Spent Fuel Tests**

**Activity Designation: CLIMAX-1**

**WBS Number: 1.2.7.2.1**

**Work Order Number:**

**Area(s) Covered: Climax Stock Granite, NTS, 420 meters below surface.**

**Location Surveyed (Yes or No): Yes**

**Type of Survey:**

**Surveyor (Organization): H&N (AREA 6, NTS)**

**Description of Survey: 11 canisters of spent nuclear reactor fuel were emplaced and 6 electrical simulators were energized.**

**Data Source: UCRL-53702: Contractor Report**

**Purpose of Activity: Summary report describing the 8 years of spent fuel tests beginning in January of 1978.**

**Comments: Geotechnical, seismological, and test status data were recorded on a continuing basis.**

4.1.25

**Monitoring Station Data Report**  
**Activity Type: GROUND WATER OBSERVATION WELLS\***  
**(Sorted by Activity Source)**

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**Type of Monitoring Station: Ground Water Observation Wells**

**Activity Designation: OBSERVATION WELLS**

**WBS Number: 1.2.3.3.2.G**

**Work Order Number:**

**Land Owner or Responsible Agency: Federal, State, and Private**

**Location (Nevada State Plane Coordinates: N- E-**

**Location Surveyed (Yes or No): No**

**Surveyor (organization):**

**Data Collected By: USGS Nuclear Hydrology Program**

**Number of Stations: 338**

**Station Description: Wells of various depths and diameters in the Amargosa Desert, Nevada-California**

**Instrumentation: Depth to water is measured using standard manual techniques**

**Data Source: Atlas #36: USGS-NHP unpublished data.**

**Purpose of Activity: To provide water level data for input to a regional hydrologic flow system model.**

**Comments: These wells were not drilled in association with the NNWSI Program, but owners have allowed investigators to obtain water level data measurements to be made by NNWSI investigators. See attached table for specific well numbers & locations.**

Attached Table for Regional Groundwater Observation Wells in the Amargosa Desert, Nevada-California. Well locations (column 1) are coded as follows: Township - Range - Section Number - Quarter Section code (four letters: northeast 1/4 = A, southeast 1/4 = B, southwest 1/4 = C, and northwest 1/4 = D.

Well Number (location)	Site ID	Owner	Land (Elev.) ft.	Well Depth ft.	Casing Diam. (inches)
NEVADA WELLS					
S12 E46 18DBC 1	365326116520201	Faragut	3820		8.0
S12 E47 19ADCB 1	365247116451801	Ranchers E.	3170	126	9.0
S13 E46 15DBBB 1	364814116485401	USGS	3130	1500	2.0
S13 E46 31BAD 1	364559116521901		3760	475	6.0
S13 E46 33BDD 1	364600116512001		3320	418	8.0
S13 E46 34ACCC 1	364554116485501	USGS	3230	1500	8.0
S13 E46 35ADDD 1	364550116472701	USGS	3040	1180	8.0
S13 E47 33BACC 1	364557116434501	USGS	2820	402	
S13 E47 35BAD 1	364600116413000	US Ecology	2788	573	8.0
S13 E47 35BDB 1	364552116413301	USGS	2775	414	
S14 E46 08BBDD 1	364514116482901	USGS	3220	733	3.0
S14 E46 25AA 1	364243116432401	USGS	2705	1898	2.0
S14 E46 26AA 1	364247116442301	USGS	2710	1920	2.0
S14 E46 26BA 1	364246116445701	USGS	2720	1880	7.0
S14 E47 24DBC 1	364300116371401	Dale W.	2608		24.0
S14 E47 32DA 1	364141116351401	USGS	2625		2.0
S14 E47 32DA 2	364141116351401	USGS	2625		1.25
S14 E48 32A 1	364052116374501	Rose's Sta.	2542	178	42.0
S15 E49 11C 1	363857116260101	R. Washburn	2679	968	12.0
S15 E49 13DDCC 1	363830116241401	Doing W.	2650	482	10.0
S15 E49 14A 1	363836116252501	Washburn R.	2640	90	
S15 E49 22AABA 1	363742116263201	Shaw J.	2612	570	14.0
S15 E49 22DCC 1	363711116263701	Washburn R.	2572	500	14.0
S15 E49 27BDDD 1	363709116264601	Washburn R.	2545		16.0
S15 E49 27DBB 1	363621116263201	Washburn R.	2540	442	12.8
S15 E50 18BBCD 1	363907116235701	Bossingham	2690	471	5.0
S15 E50 18C 1	363840116234001	Pereirda	2664	395	8.0
S15 E50 18C 2	363840116234101	Pereirda	2665	373	8.0

S15 E50 18CC	1	363835116234001	State Hwy	495	8.63
S15 E50 18CC	2	363836116234001	Kay J.	2665	535 9.0
S15 E50 18CC	3	363837116234001	NV Hwy.	2656	360
S15 E50 18CD	1	363840116233501	Pereirda	2665	507 10.0
S15 E50 18CDC	1	363840116235000	Whellock B.	2665	507 10.0
S15 E50 25BD	1	363715116244500	Nye Co.	2800	105 14.0
S15 E51 23BC	1	375017115572201		5930	6.0
S16 E48 01ABBB	1	363549116305001	Nye Co.	2435	815 14.0
S16 E48 02BAAB	1	363519116322001	Nickels L.	2423	400 14.75
S16 E48 02DDBB	1	363454116314201	Heath D.	2410	422 14.0
S16 E48 03AAAA	1	363525116325601	Keefer F.	2412	250 12.0
S16 E48 04D	1	363456116335501	Mankinen E.	2430	308 12.8
S16 E48 04DBBB	1	363511116335101		2393	8.0
S16 E48 05BA	1	363523116353701	Wooldridge	2406	250 12.8
S16 E48 05CAB	1	363521116352501	Circle 8 R.	2394	256 16.0
S16 E48 05CDD	1	363503116351501	Kelley E.	2388	165 8.63
S16 E48 05D	1	363456116351201	T&T Railroad	2430	179 14.0
S16 E48 07BCAA	1	363442116363301	Strickland	2381	200 8.63
S16 E48 08AA	1	363436116345901	Schultz E.	2382	315 12.75
S16 E48 08BAAA	1	363434116354001	Defir C.	2384	250 12.00
S16 E48 09BAAA	1	363436116342301	Defir C.	2430	250 12.0
S16 E48 09CA	1	363407116342501	Caldwell C.	2373	350 14.0
S16 E48 09DA	1	363405116355101	Bowline	2385	410 12.0
S16 E48 10AACC	1	363438116324601	Mankinen E.	2388	320 12.8
S16 E48 10BAAA	1	363436116333201	Monroe W.	2398	300 12.8
S16 E48 11CA	1	363405116321501	Pierce J.	2430	302 12.8
S16 E48 11CAAA	1	363429116315901	Pierce J.	2392	300 16.00
S16 E48 13AADD	1	363344116304501	Phillips T.	2387	250 14.00
S16 E48 14BAAA	1	363346116322801	Gallagher T.	2381	350 12.8
S16 E48 14DA	1	363338116303101	Perry P.		240 12.0
S16 E48 15AA	1	363342116325101	Mankinen	2376	156 14.0
S16 E48 15BAAA	1	363340116332901	Dansby L.	2374	149 14.0
S16 E48 15DADD	1	363332116323501	Spears I.	2364	200
S16 E48 16AA	1	363342116335701	Selbach E.	2375	250 12.0
S16 E48 17ABBB	1	363342116345401	Overhalser	2370	280 12.0
S16 E48 17AAAD	1	363402116344201		2367	8.63
S16 E48 18B	1	363340116362801	Bell J.	2363	380 16.0
S16 E48 18CDC	1	363316116362401	Tharp E.	2360	175 8.63
S16 E48 20D	1	363223116345901	Downey J.	2341	366 16.0

S16 E48 20CBB	1	363243116354101	Holtz C.	2344		
S16 E48 23AAAA	1	363254116313901	Gillespie H.	2358	330	14.0
S16 E48 23B	1	363244116320701	Gillespie	2450		12.0
S16 E48 23C	1	363217116320001	Gillespie	2341	510	14.0
S16 E48 23D	1	363221116313901	Gillespie	2450	474	14.0
S16 E48 23DAAA	1	363247116312901	Gillespie	2348	300	14.0
S16 E48 24AAAA	1	363248116303101	DeLee M.	2367	480	
S16 E48 24C	1	363225116310901	Records R.	2347	306	12.8
S16 E48 24DAAA	1	363223116303801	De Lee M.	2357	421	14.0
S16 E48 24DAAA	2	363248116302801	DeLee M.	2357	161	6.63
S16 E48 25AAAD	1	363200116304401	DeLee M.	2343	170	16.0
S16 E48 25C	1	363138116310101	Bettles G.	2327		12.0
S16 E48 25CA	1	363145116310601	Lealand	2340	200	16.0
S16 E48 25CAB	1	363209116314001		2300		
S16 E48 26AAAA	1	363200116313401	Lealand	2336		16.0
S16 E48 27AA	1	363200116323301	Delph M.	2330	200	12.0
S16 E48 27CA	1	363155116323301	Barr M.	2325	236	12.0
S16 E48 27DAAA	1	363138116323801	Delph M.	2325		12.0
S16 E48 35AD	1	362105116312801	Barr C.	2309	255	12.0
S16 E48 35DA	1	363058116312801	Barr C.	2309	300	16.0
S16 E48 36AAAA	1	363117116303601	Bettles G.	2324	200	14.0
S16 E48 36DC	1	363044116303601	Watson H.	2303	407	14.0
S16 E48 36DDDA	1	363039116303501	Bettles G.	2300		12.0
S16 E49 05CDDD	1	363503116284001	Rudela M.	2430	200	8.0
S16 E49 06ADD	1	363527116292501		2441	350	14.0
S16 E49 08A	1	363440116282401	Meese M.	2400	300	14.0
S16 E49 08DAAA	1	363428116281201	Nye Co.	2422		20.0
S16 E49 09C	1	363415116275101	Selbach	2434	300	12.0
S16 E49 09D	1	363417116271801	Nye Co.	2430		6.25
S16 E49 10CAAD	1	363411116264701	Miller #1	2444	186	14.0
S16 E49 10DDDC	1	363410116261101	Nye Co.	2440	700	14.0
S16 E49 12C	1	363407116243501		2500		12.0
S16 E49 14AA	1	363350116252101	Johns W.	2450	300	12.0
S16 E49 14BA	1	363348116254901	Johns W.	2440	390	12.8
S16 E49 14BB	1	363355116254901	Johns W.	2435	457	14.0
well replaced						
S16 E49 15AA	1	363348116261701	Johns W.	2430	420	12.8
S16 E49 15AA	1	363540116240801	Mason L.	2530	430	12.8
S16 E49 18AC	1	363348116292701	Hanks W.	2385	420	12.8



S16 E49 18D	1	363317116293001		2383		
S16 E49 18DCCA	1	363310116294001	USBLM	2375		12.0
S16 E49 19A	1	363252116292501	Meeter L.	2374	480	14.0
S16 E49 19BAAA	1	363254116295501	DeLee M.	2371	725	14.0
S16 E49 19CBAA	1	363223116295501	Records M.	2358	300	12.8
S16 E49 19DA	1	363237116292901	DeLee M.	2360	307	14.0
S16 E49 20AABB	1	363256116282101	Travis M.	2384	300	14.0
S16 E49 20DB	1	363225116282401		2366		12.0
S16 E49 22BBAA	1	363252116265001		2395	350	12.0
POSSIBLY A DIFFERENT WELL. SEE STATE ENGINEER FOR DETAILS.						
S16 E49 22D	1	363313116264801	Cypert K.			
S16 E49 22DB	1	363225116260901	Pinkerton	2420	368	16.0
S16 E49 22DDDA	1	363230116260501	Bright R.	2373		8.0
S16 E49 23ABDD	1	363250116251301	Dalton	2403	500	12.0
S16 E49 26D	1	363138116252101	Bilsborough	2351	300	14.0
S16 E49 26DAC	1	363148116251001	Newhouse	2350	250	8.63
S16 E49 26DD	1	363138116250501	Records M.	2343	300	10.75
S16 E49 26DD	2	363138116251001	Weimer H.	2343	200	10.75
S16 E49 26DDD	1	363133116250101	Good	2340		8.0
S16 E49 27BBAA	1	363212116270401	Buddington	2370	250	16.0
S16 E49 27BB	1	363212116270401		2370	250	
S16 E49 28AAAB	1	363205116271801	Wichner	2367	300	16.0
S16 E49 28CD	1	363140116275301	Mason E.	2349	200	16.0
S16 E49 28DA	1	363136116271501	Wichner M.	2354	300	16.0
S16 E49 29BADA	1	363214116284801	Brockett P.	2355	200	6.63
S16 E49 29C	1	363138116290201	Gammett L.	2338	97	
S16 E49 29CDDC	1	363231116285201		2332		8.0
S16 E49 30B	1		Bettles G.	2348	120	16.0
S16 E49 30BA	1	363203116295801	Davis K.	2348	315	14.0
S16 E49 30DDDD	1	363134116292001	Owens J.	2330	181	8.63
S16 E49 31B	1	363111116300001	Bettles G.	2326		16.0
S16 E49 31BAAD	1	363120116300001	Bettles G.	2326	200	16.0
S16 E49 32BD	1	363111116290201	Housell J.	2328		
S16 E49 32C	1	363046116285701	Housell J.	2317	80	10.0
S16 E49 32DAAA	1	363046116281401	Stephens M.	2324	253	12.8
S16 E49 33BA	1	363111116275601	Hodges M.	2336	300	14.0
S16 E49 33DA	1	363044116271501	Honig P.	2430	300	14.0
S16 E49 33DA	1	363053116272001	Nye Co.	2320	302	14.0
S16 E49 34CB	1	363054116270401	Honig M.	2320	300	14.0

S16 E49 34CBBB	1	363058116270501	Honig M.	2320	372	14.0
S16 E49 35AB	1	363109116252601	Berry N.	2323	200	16.0
S16 E49 35B	1	363109116253101	McCoy E.	2341	325	14.0
S16 E49 35BAAA	1	363129116252901	Leis L.	2340	200	8.63
S16 E49 36A	1	363115116242001	Bradley	2430		12.0
S16 E49 36ABAA	1	363129116241701	Nickel J.	2340	200	12.0
S16 E49 36BBAA	1	363129116242501	Mills J.	2338	200	8.0
S16 E50 07C	1	363409116233701		2480	200	6.00
S16 E50 07CAAA	1	363429116233401	Cook L.	2478		10.0
S16 E50 07CABB	1	363428116234701	Cook L.	2480	255	10.0
S16 E50 07CBBB	1	363428116240301	Cook L.	2475	614	12.75
S16 E50 07CCAD	1	363410116240001	Cook L.	2460		12.0
S16 E50 07CCBC	1	363410116240301	Cook L.	2456	200	6.63
S16 E50 29ACD	1	363157116221201		2380		8.0
S16 E51 27BAA	1	363211116133951	USGS			
S16 E51 27BAA	2	363213116133700	USGS	2405	664	7.63
S16 E51 27BAA	3	363213116133800	USGS	2402	807	7.63
S16 E51 27BAA	4	363213116133901	USGS	2400	828	14.0
S16 E51 27BAA	5	363213116134001	USGS	2405	665	4.5
S16 E51 28D	1	363138116142701	Miller #2	2371		6.0
S16 E51 36AA	1	363121116112301	Dooley W.	2444	150	8.0
S16 E52 08C	1	363415116094301	LV&T RR	2777		2.35
S16 E53 04B	1	360600116014001	US ARMY	3154	1946	13.75
S16 E53 04BBC	1	360600116015001	US ARMY	3154	1253	18.0
S17 E48 01AB	1	363028116302501	Hallowell D.	2303	135	16.0
S17 E48 01CAB	1	363002116310701	Hoyle W.	2296	214	14.0
S17 E48 01CABB	1	363002116304801	Hoyle W.	2290		14.0
S17 E48 01D	1	362946116302201	Bettles G.	2300	203	12.0
S17 E48 01D	2	362946116302301	Bettles A.		105	14.0
S17 E48 01D	3	362946116302301	Bettles A.	2293	197	14.0
S17 E48 12A	1	362921116302501	Bettles A.	2300	85	14.0
S17 E48 12A	2	362921116302502	Bettles A.	2284	85	12.0
S17 E48 12BDDb	1	362917116304701	Siefertsen	2290		6.0
S17 E48 12DDBb	1	362920116311000		2282	205	14.0
S17 E49 02BB	1	363017116253001	Berry N. O.	2301	200	16.0
S17 E49 02BB	2	363017116253002	Berry H.	2305	200	12.0
S17 E49 02BCCC	1	362957116254901	Martinson J.	2290		14.0
S17 E49 02C	1	362946116254101		2292		12.0
S17 E49 02CDDb	1	362947116252001	Mtn. View	2277	210	8.63

S17 E49 04AA	1	363028116270201	Nye Co.	2300	600	14.0
S17 E49 04AA	1	363027116270001	Nye Co.	2305	630	14.0
S17 E49 04BBBB	1	363026116275601	Strauss H.	2315	264	14.0
S17 E49 04DC	1	362946116270301	Nye Co.	2290	554	16.0
S17 E49 05AA	1	363011116280401	Moore W.	2317	94	
S17 E49 05AD	1	363030116280001	Moore W.	2302	83	
S17 E49 05BA	1	262D20116290001	Moore P.	2300	80	
S17 E49 06AA	1	363009116291101	Cleveland	2310	68	
S17 E49 06BBAA	1	363027116295201	Tynan J.	2305	155	12.75
S17 E49 06DA	1	363005116291001	Cleveland	2298	80	
S17 E49 07AB	1	362923116291101	Davis T.	2300	210	14.0
S17 E49 07BB	1	362938116300100	Davis H.	2300	500	16.0
S17 E49 07CB	1	362852116294901	Davis H.	2300	61	10.0
S17 E49 07CBBB	1	362930116295901		2290		9.0
S17 E49 07D	1	362848116291101	Davis T.	2300	400	16.0
S17 E49 08AA	1	362921116280401	Cleveland	2285	78	
S17 E49 08CA	1	362856116284201	Cleveland	2300	65	
S17 E49 08DA	1	362852116281401	Cleveland	2300	60	
S17 E49 09AAAA	1	362938116270001	Amargosa F.	2280	380	14.0
S17 E49 09BA	1	362923116274101	Geers R.	2286	500	12.0
S17 E49 09CCAA	1	362905116274001		2273		14.0
S17 E49 11BCAA	1	362925116253301	Bettles G.	2275	185	10.0
S17 E49 11BC	1	362936116251500	Siegel L.		300	14.0
S17 E49 15AABB	1	362939116265401		2260		12.0
S17 E49 15BBBB	1	362848116264201	Steelman J.	2270	245	12.8
S17 E49 15BC	1	362835116264101	Steelman J.	2267	515	10.0
S17 E49 20BCAC	1	362736116285701	USGS	2270	1761	2.0
S17 E49 20BCAC	2	362736116285701	USGS	2270	1761	1.25
S17 E49 28BC	1	362648116274601	IMV	2260	151	6.0
S17 E50 10CD	1	362858116195301	Spring Mead	2280	420	12.75
S17 E50 10CD	2	362858116195301	Spring Mead	2280	390	16.0
S17 E50 14CAC	1	362822116193801	Spr. Mead.	2340	92	6.63
S17 E50 15AD	1	362840116193701	Nye Co. Land	2290	497	14.0
S17 E50 19AAB	1	362505116223001	Trenary D.	2180	100	16.0
S17 E50 23BBCA	1	362755116190401	Spring Mead.	2340	140	14.0
S17 E50 28ABBB	1	362715116210001		2205		
S17 E50 29AD	1	362627116213501	Nye Co. Land	2171	530	16.0
S17 E50 33CAAB	1	362555116205301		2165		10.0
S17 E50 33DD	1		Mercury F.	2180	120	8.63

S17 E50 36DD	1	362531116171201	Nye Co. Land	2400	248	16.0
S17 E51 01AA	1	362050116105001	White	2403	135	8.0
S17 E51 01AAAB	1	363030116104501	White W.	2403	103	8.0
S17 E51 06AA	1	363026116160401	Spring Mead.	2350		
S17 E51 06AA	2	363026116160401		2350		
S17 E51 23B	1	362740116121000		2328		6.0
S17 E51 24ADDC	1	362740116112601	Buck Mining	2400		
S17 E52 07BCAA	1	362927116102601	Morrell	2380	125	8.63
S17 E52 08C	1	362858116091501	Daniels J.	2393	400	16.0
S17 E52 08C	2	362858116091501	Daniels J.	2397		16.0
S17 E52 08CBDC	1	362905116092301	Butler M.	2395	135	8.0
S17 E52 08CDB	1	362929116085701	Clark H.	2395	246	12.0
S18 E49 01A	1	362517116234001		2400		48.0
S18 E49 02CDCB	1	362444116251001	Embry B.	2183	402	12.8
S18 E49 11BB	1	362434116251401	Jones W.	2170	137	8.63
S18 E50 03ADB	1	362514116192001		2198		5.0
S18 E50 05AAB	1	362528116212501		2140		24.0
S18 E50 11AA	1	362433116181301	Spr. Mead.	2245	280	14.0
S18 E50 11DDAA	1	362356116180701	Nye Co. Land	2245	960	14.0
S18 E50 13CCCD	1	362250116175301	Hale D.	2215	100	6.63
S18 E50 13DA	1	362314115160101	Harris J.	2250	150	12.0
S18 E50 25AB	1	362154115162001	E. W. Min.	2207	267	8.63
S18 E51 06AA	1	362529116160501	Spring Mead.	2440	265	12.75
S18 E51 07BBBB	1	362432116165701	Spring Mead.	2320	500	16.0
S18 E51 07BD	1	362414116162301	Spring Mead	2310	818	14.0
S18 E51 07CA	1	362358116163301	Spring Mead	2300	500	16.0
S18 E51 07DA	1	362358116160101	Spring Mead	2310	780	16.0
S18 E51 07DA	2	362358116160102	Spring Mead	2310	415	16.0
S18 E51 07DA	3	362358116160103	Spr. Mead.	2310		
S18 E51 07DAA	1	362410116160901	Spring Mead.	2320	395	16.0
S18 E51 07DAC	1	362409116155601	Spring Mead.	2350	300	16.0
S18 E51 07DB	1	362403116160801	Spring Mead.	2315	282	
S18 E51 08BC	1	362412116254501	Spring Mead	2340		
S18 E51 08CAA	1	362406116154001		2350	500	16.0
S18 E51 08CBA	1	362408116154001	Spring Mead.	2330	655	16.0
S18 E51 30DD	1	362113116160101	USGS	2270	1197	2.0
S18 E51 30DD	2	362113116160101	USGS	2270	1197	1.25
S18 E51 34CB	1	362014116134901	USGS	2430	1580	2.0
S18 E51 34CB	1	362014116134901	USGS	2430	1580	1.25

S19 E50 02AA	1	361954116181201	USGS	2285	2000	2.0
S19 E50 02AA	2	361954116181202	USGS	2285	2000	1.25

# CALIFORNIA WELLS

N24 E04 03A	1	361513116313101	Am. Borates	2720		10.5
N24 E04 03C	1	361517116322401	Am. Borates	2800		6.5
N24 E05 01C	1	361443116233101		2007.6		10.0
N24 E05 12A	1	361627116221201		2002.3		10.0
N24 E05 24J	1	361210116225701		2070		2.0
N24 E05 24J	2	361210116225702		2070		1.25
N24 E05 23R	1	361158116240501		2210	1400	2.0
N24 E05 23R	2	361158116240502		2210	1400	1.25
N24 E06 06J	1	361444116215701		2002.6		2.0
N24 E06 07A	1	3614131162212		2000.3		6.0
N24 E06 07A	2	3614131162212		2000.3		
N24 E06 07A	3	361412116221203		2000.1		6.0
N24 E06 07B	1	361415116222101		2000		8.0
N24 E06 07B	2	361415116222102		2000.2		6.0
N24 E06 07B	3	361415116222103		1999.9		8.0
N24 E06 07D	1	361417116224001		2000.1		10.0
N24 E06 07F	1	361412116222901		1997.9		10.0
N24 E06 18D	1	361327116224901		1996.6		2.0
N25 E04 21M	1	361724116324201	USGS	2690	2000	2.0
N25 E04 21M	2	361724116324202	USGS	2690	2000	1.25
N25 E05 14M	1	361800116245001		2036.7		12.0
N25 E05 14M	1	361800116244301		2038		12.0
N25 E05 15A	1	361820116251301	CA Div Hwy	2049	160	8.0
N25 E05 17N	1	361808116273501		2192		10.0
N25 E06 15A	1	361840116184001		2309		4.5
N25 E06 15A	2	361840116184002		2309		4.0
N25 E06 15A	3	361840116184003		2309		4.5
N25 E06 15A	4	361840116184004		2309		2.0
N25 E06 15A	5	361840116184005		2309		8.5
N25 E06 15A	6	361840116184006		2309		2.0
N25 E06 15A	7	361840116184007		2309		6.4
N25 E06 18B	1	361835116220301	CA Div Hwy	2033		12.0
N25 E06 18D	1	361835116224501	CA Div Hwy	2037		30.0
N25 E06 19A	2	361745116215501	CA Div Hwy	2037		6.0
N25 E06 19M	1	361720116224501	CA Div Hwy	2024		9.0

N25 E06 19R	1	361703116215001	CA Div Hwy	2013.7		9.0
N25 E06 20N	1	361705116213501	CA Div Hwy	2015		12.0
N25 e06 30H	1	361640116315501	CA Div Hwy	2011.7		12.0
N25 E06 30K	1	361627116221201		2011		2.0
N25 E06 30K	2	361627116221202		2011		1.0
N25 E06 30K	3	361627116221203		2011		1.0
N25 E06 30P	1	361610116223701		2006.8		2.0
N25 E06 30Q	1	361700116220202		2020		2.0
N25 E06 30Q	2	361700116220202		2019.8		2.0
N25 E06 30Q	3	361700116220203		2024.1		1.0
N25 E06 30Q	4	361700116220204		2020.3		1.0
N25 E06 31Q	1	361516116220101		2003.4		2.0
N25 E06 31Q	2	3615161162201		2003.6	11.8	
N25 E06 31Q	3	3615161162201		2003.4	32.0	
N25 E06 32C	1	3616051162127		2008.0	7.2	
N25 E06 32C	2	3616061162127		2007.1	11.8	
N25 E06 32C	1	3615531162121		2006.1	31.7	
N25 E06 32C	2	3615531162121		2009.7	22.4	
N25 E06 32C	3	3615531162121		2008.9	21.3	
N25 E06 32C	4	3615531162121		2006.0	5.2	
N25 E06 32C	5	3615531162121		2009.6	26.7	
N26 E05 05C	1	362525116274501	Franklin	2182	10	
N26 E05 05E	1	362525116274301	USGS	2185	1090	2.0
N26 E05 05E	2	362525116274302	USGS	2185	1090	1.25
N26 E05 08R	1	362415116270501		2165		6.63
N26 E05 09F	1	362443116263601		2160		14.0
N26 E05 21C	1	362250116265101	USGS	2180	1680	2.0
N26 E05 21C	2	362250116265102	USGS	2180	1680	1.25
N26 E05 28J	1	362140116261001	USGS	2120	1980	2.0
N26 E05 34N	1	362033116255201		2098		6.63
N27 E04 22N	1	362743116313401		2244		
N27 E04 25D	1	362710116300401	Scranton	2231	23	60.0
N27 E04 25	1	362710116300001		2231	27	6.0
N27 E04 26C	1	362725116305901		2237.2		14.0
N27 E04 26N	1	362650116311501	Morris	2234.6		14.0
N27 E04 27B	1	362726116314401	Morris	2241.9		14.0
N27 E04 27C	1	362727116322201	Morris	2243.8		14.0
N27 E04 27D	1	362715116322301	Morris	2247.4		14.0
N27 E04 27E	1	362705116322301		2245		14.0

N27 E04 27L 1 362702116322201 Morris  
N27 E04 27 1 362705116315001

2244.8  
2240

14.0

41.1.26



**Monitoring Station Data Report**  
**Activity Type: GROUND WATER RECHARGE\***  
**(Sorted by Activity Source)**

---

Type of Monitoring Station: Ground Water Recharge: Analog Site

Activity Designation: H&N GWR-1

WBS Number: 1.2.3.6.1

Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-4,086,200 E-539,000

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-WRC

Number of Stations: 6

Station Description: Soil pits, neutron moisture holes, lysimeters, soil moisture probes, and temp.  
and precip. gages.

Instrumentation: Thermometer, TDR probes, rain gage, and lysimeter.

Data Source: Atlas #33: DRI-WRC Unpublished data (K. Leary)

Purpose of Activity: To examine soils and monitor climate and soil moisture for ground water recharge study.

Comments: The site includes 15 10-ft. deep soilpits, 50 Time Domain Reflectometer (TDR) soil moisture probes,  
8 neutron moisture gage holes, and 12 lysimeters.

---

Type of Monitoring Station: Ground Water Recharge: Lysimeter

Activity Designation: LYSIMETER 1

WBS Number: 1.2.3.3.4.G

Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-694,215 E-634,846

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-Water Resources Center

Number of Stations: 1

Station Description: Suction lysimeter installed in fine material on tunnel floor.

Instrumentation: Suction lysimeter.

Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)

Purpose of Activity: To determine travel time of water through fractured tuffs.

Comments: Located in tunnel U12n.05 bypass drift 9 + 65.

**Monitoring Station Data Report**  
**Activity Type: GROUND WATER RECHARGE\***  
**(Sorted by Activity Source)**

---

Type of Monitoring Station: Ground Water Recharge: Lysimeter

Activity Designation: LYSIMETER 10

WBS Number: 1.2.3.3.4.G

Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-882,500 E-632,500

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-Water Resources Center

Number of Stations: 1

Station Description: Suction lysimeter installed in shallow soil.

Instrumentation: Suction lysimeter.

Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)

Purpose of Activity: To determine travel time of water through fractured tuffs.

Comments:

---

Type of Monitoring Station: Ground Water Recharge: Lysimeter

Activity Designation: LYSIMETER 2

WBS Number: 1.2.3.3.4.G

Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-894,219 E-634,837

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-Water Resources Center

Number of Stations: 1

Station Description: Suction lysimeter installed in fine material on tunnel floor.

Instrumentation: Suction lysimeter.

Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)

Purpose of Activity: To determine travel time of water through fractured tuffs.

Comments: Located in tunnel U12n.05 bypass drift 9 + 75.

**Monitoring Station Data Report**  
**Activity Type: GROUND WATER RECHARGE**  
**(Sorted by Activity Source)**

---

Type of Monitoring Station: Ground Water Recharge: Lysimeter

Activity Designation: LYSIMETER 3  
WBS Number: 1.2.3.3.4.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-894,382 E-634,516

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-Water Resources Center

Number of Stations: 1

Station Description: Suction lysimeter installed in fine material on tunnel floor.

Instrumentation: Suction lysimeter.

Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)

Purpose of Activity: To determine travel time of water through fractured tuffs.

Comments: Located in tunnel U12n.05 bypass drift 13 + 35.

---

Type of Monitoring Station: Ground Water Recharge: Lysimeter

Activity Designation: LYSIMETER 4  
WBS Number: 1.2.3.3.4.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-894,386 E-634,508

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-Water Resources Center

Number of Stations: 1

Station Description: Suction lysimeter installed in fine material on tunnel floor.

Instrumentation: Suction lysimeter.

Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)

Purpose of Activity: To determine travel time of water through fractured tuffs.

Comments: Located in tunnel U12n.05 bypass drift 13 + 45.

**Monitoring Station Data Report**  
**Activity Type: GROUND WATER RECHARGE\***  
**(Sorted by Activity Source)**

---

Type of Monitoring Station: Ground Water Recharge: Lysimeter

Activity Designation: LYSIMETER 5  
WBS Number: 1.2.3.3.4.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-893,559 E-634,004

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-Water Resources Center

Number of Stations: 1

Station Description: Suction lysimeter installed in fine material on tunnel floor.

Instrumentation: Suction lysimeter.

Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)

Purpose of Activity: To determine travel time of water through fractured tuffs.

Comments: Located in tunnel U12n.05 drift 11 + 20.

---

Type of Monitoring Station: Ground Water Recharge: Lysimeter

Activity Designation: LYSIMETER 6  
WBS Number: 1.2.3.3.4.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-894,200 E-634,200

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-Water Resources Center

Number of Stations: 1

Station Description: Suction lysimeter installed in shallow soil.

Instrumentation: Suction lysimeter.

Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)

Purpose of Activity: To determine travel time of water through fractured tuffs.

Comments:

**Monitoring Station Data Report**  
**Activity Type: GROUND WATER RECHARGE\***  
**(Sorted by Activity Source)**

---

Type of Monitoring Station: Ground Water Recharge: Lysimeter

Activity Designation: LYSIMETER 7  
WBS Number: 1.2.3.3.4.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-894,000 E-634,200

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-Water Resources Center

Number of Stations: 1

Station Description: Suction lysimeter installed in shallow soil.

Instrumentation: Suction lysimeter.

Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)

Purpose of Activity: To determine travel time of water through fractured tuffs.

Comments:

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Type of Monitoring Station: Ground Water Recharge: Lysimeter

Activity Designation: LYSIMETER 8  
WBS Number: 1.2.3.3.4.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-890,800 E-633,700

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-Water Resources Center

Number of Stations: 1

Station Description: Suction lysimeter installed in shallow soil.

Instrumentation: Suction lysimeter.

Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)

Purpose of Activity: To determine travel time of water through fractured tuffs.

Comments:

**Monitoring Station Data Report**  
**Activity Type: GROUND WATER RECHARGE•**  
**(Sorted by Activity Source)**

---

**Type of Monitoring Station: Ground Water Recharge: Lysimeter**

**Activity Designation: LYSIMETER 9**  
**WBS Number: 1.2.3.3.4.G**  
**Work Order Number:**

**Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)**

**Location (Nevada State Plane Coordinates: N-880,000 E-632,200**

**Location Surveyed (Yes or No): No**  
**Surveyor (organization):**

**Data Collected By: Desert Research Institute-Water Resources Center**  
**Number of Stations: 1**  
**Station Description: Suction lysimeter installed in shallow soil.**

**Instrumentation: Suction lysimeter.**

**Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)**

**Purpose of Activity: To determine travel time of water through fractured tuffs.**

**Comments:**

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**Type of Monitoring Station: Ground Water Recharge: Seep**

**Activity Designation: SEEP 1**  
**WBS Number: 1.2.3.3.4.G**  
**Work Order Number:**

**Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)**

**Location (Nevada State Plane Coordinates: N-898,480 E-644,050**

**Location Surveyed (Yes or No): No**  
**Surveyor (organization):**

**Data Collected By: Desert Research Institute-Water Resources Center**  
**Number of Stations: 1**  
**Station Description: Area of water seepage.**

**Instrumentation: Samples collected and flow rates measured periodically.**

**Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)**

**Purpose of Activity: To determine travel time of water through fractured tuffs.**

**Comments: Located in tunnel U12t, gas seal door.**

**Monitoring Station Data Report**  
**Activity Type: GROUND WATER RECHARGE\***  
**(Sorted by Activity Source)**

---

Type of Monitoring Station: Ground Water Recharge: Seep

Activity Designation: SEEP 2

WBS Number: 1.2.3.3.4.G

Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTSS)

Location (Nevada State Plane Coordinates: N-893,755 E-635,397

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-Water Resources Center

Number of Stations: 1

Station Description: Area of water seepage.

Instrumentation: Samples collected and flow rates measured periodically.

Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)

Purpose of Activity: To determine travel time of water through fractured tuffs.

Comments: Located in tunnel U12n.03 Drift 0 + 50.

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Type of Monitoring Station: Ground Water Recharge: Seep

Activity Designation: SEEP 3

WBS Number: 1.2.3.3.4.G

Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-894,889 E-633,355

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-Water Resources Center

Number of Stations: 1

Station Description: Area of water seepage.

Instrumentation: Samples collected and flow rates measured periodically.

Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)

Purpose of Activity: To determine travel time of water through fractured tuffs.

Comments: Located in tunnel U12n.05 bypass drift.

**Monitoring Station Data Report**  
**Activity Type: GROUND WATER RECHARGE\***  
**(Sorted by Activity Source)**

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Type of Monitoring Station: Ground Water Recharge: Seep

Activity Designation: SEEP 4  
WBS Number: 1.2.3.3.4.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-895,543 E-634,509

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-Water Resources Center  
Number of Stations: 1  
Station Description: Area of water seepage.

Instrumentation: Samples collected and flow rates measured periodically.

Data Source: Atlas #34: UNR M.S. Thesis (Mark S. Henne)

Purpose of Activity: To determine travel time of water through fractured tuffs.

Comments: Located in tunnel U12n.03 drift 20 + 50.

---

Type of Monitoring Station: Ground Water Recharge: Seep

Activity Designation: H&N-WS1  
WBS Number: 1.2.3.3.4.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-894,400 E-634,600

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute-Water Resources Center  
Number of Stations: 1  
Station Description: Water samples set up to collect flow from tunnel seeps

Instrumentation: Manning S-4400 discrete water sampler.

Data Source: DRI-WRC Rpt. #45072

Purpose of Activity: To determine flow rate through fractured tuffs.

Comments: Located in the U12N tunnel 05 bypass drift.



**Monitoring Station Data Report**  
**Activity Type: GROUND WATER RECHARGE\***  
**(Sorted by Activity Source)**

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Type of Monitoring Station: Ground Water Recharge: Seep

Activity Designation: H&N-WS2  
WBS Number: 1.2.3.3.4.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-893,000 E-635,400

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center (DRI-WRC)

Number of Stations: 1

Station Description: Water sampler set up to collect flow from tunnel seeps

Instrumentation: Manning S-4400 discrete water sampler.

Data Source: DRI-WRC Rpt. #45072

Purpose of Activity: To determine flow rate through fractured tuffs.

Comments: Located in the U12N tunnel 03 drift.

4.1.27

**Monitoring Station Data Report**  
**Activity Type: SOIL MOISTURE\***  
**(Sorted by Activity Source)**

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**Type of Monitoring Station: Soil Moisture**

**Activity Designation: H&N SM1**  
**WBS Number: 1.2.3.3.4.G**  
**Work Order Number:**

**Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)**

**Location (Nevada State Plane Coordinates: N-893500 E-63500**

**Location Surveyed (Yes or No): No**  
**Surveyor (organization):**

**Data Collected By: Desert Research Institute - Water Resources Center**

**Number of Stations: 3**

**Station Description: Three 1-meter deep hand-augered holes.**

**Instrumentation: Various prototype in-house-developed soil moisture collection systems.**

**Data Source: Atlas #30: unpublished data from Dr. Hess of DRI**

**Purpose of Activity: Primarily to collect soil water for isotopic analysis. Data used in hydrologic studies of unsaturated zone flow.**

**Comments: Located next to rain gage DRI-RT1.**

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4.1.28

**Monitoring Station Data Report**  
**Activity Type: METEOROLOGICAL:\***  
**(Sorted by Activity Source)**

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Type of Monitoring Station: Meteorological: Meteorological Towers

Activity Designation: NTS-10-ALICE HILL

WBS Number: 1.2.3.6.1.T

Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-769,500 E-577,000

Location Surveyed (Yes or No): Yes

Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Science Applications International Corporation

Number of Stations: 1

Station Description: A 10-meter-high tower with monitoring equipment mounted at the 10-meter height

Instrumentation: Wind speed & direction, sigma-theta, temperature, relative humidity, and stability

Data Source: Atlas #39: unpublished data report.

Purpose of Activity: To collect meteorological data in the vicinity (northeast) of the Yucca Mtn. site. Data will be used in climate modeling.

Comments: Data to be published in the NNWSI Project Meteorological Monitoring Program Quarterly Report.

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Type of Monitoring Station: Meteorological: Meteorological Towers

Activity Designation: NTS-10-COYOTE WASH

WBS Number: 1.2.3.6.1.T

Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-766,063 E-563,125

Location Surveyed (Yes or No): Yes

Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Science Applications International Corporation

Number of Stations: 1

Station Description: A 10-meter-high tower with monitoring equipment mounted at the 10-m level.

Instrumentation: Wind speed & direction, sigma-theta, temperature, relative humidity, and stability.

Data Source: Atlas #39: unpublished data report.

Purpose of Activity: To collect meteorological data in the vicinity of the Exploratory Shaft site. Data to be used in climate modeling.

Comments: Data to be published in the NNWSI Project Meteorological Monitoring Program Quarterly Report.

**Monitoring Station Data Report**  
**Activity Type: METEOROLOGICAL:\***  
**(Sorted by Activity Source)**

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Type of Monitoring Station: Meteorological: Meteorological Towers      Activity Designation: NTS-10-FORTYMILEWASH  
WBS Number: 1.2.3.6.1.T  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-733,125 E-580,875

Location Surveyed (Yes or No): Yes  
Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Science Applications International Corporation  
Number of Stations: 1  
Station Description: A 10-meter-high tower with monitoring equipment mounted at the 10-meter height  
Instrumentation: Wind speed & direction, sigma-theta, temperature, relative humidity, and stability  
Data Source: Atlas #39: unpublished data report.

Purpose of Activity: Collect meteorological data in the vicinity (east) of the Yucca Mtn. site. Data to be used in climate modeling.

Comments: Data to be published in NNWSI Project Meteorological Monitoring Program Quarterly Data Report.

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Type of Monitoring Station: Meteorological: Meteorological Towers      Activity Designation: NTS-10-YUCCA MT  
WBS Number: 1.2.3.6.1.T  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-766,300 E-558,400

Location Surveyed (Yes or No): Yes  
Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Science Applications International Corporation  
Number of Stations: 1  
Station Description: A 10-meter-high tower with monitoring equipment mounted at the 10-m level.  
Instrumentation: Wind speed & direction, sigma-theta, temperature, relative humidity, and stability  
Data Source: Atlas #39: unpublished data report.

Purpose of Activity: To collect meteorological data on top of Yucca Crest. Data to be used in climate modeling.

Comments: Data published in NNWSI Project Meteorological Monitoring Program Quarterly Data Reports.

**Monitoring Station Data Report**  
**Activity Type: METEOROLOGICAL:•**  
**(Sorted by Activity Source)**

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**Type of Monitoring Station: Meteorological: Meteorological Towers**

**Activity Designation: NTS-60-REPOSITORY**

**WBS Number: 1.2.3.6.1.T**

**Work Order Number:**

**Land Owner or Responsible Agency: U.S. Dept. of Energy**

**Location (Nevada State Plane Coordinates: N-761,784 E-569,122**

**Location Surveyed (Yes or No): Yes**

**Surveyor (organization): H&N (AREA 6, NTS)**

**Data Collected By: Science Applications International Corporation**

**Number of Stations: 2**

**Station Description: A 60-meter tower with meteorological monitoring equipment located at 60 and 10 meters.**

**Instrumentation: Wind speed & direction, temperature, sigma-theta, dew point, temp. difference, net radiation, precipitation, and stability.**

**Data Source: Atlas #39: unpublished data report.**

**Purpose of Activity: To collect meteorological data at the proposed site of the repository surface facilities. Data to be used as input to climatological models.**

**Comments: Data from these stations will be published in NNWSI Project Meteorological Monitoring Program Quarterly Reports. Only wind speed, direction, and sigma-theta are recorded at the 60-m station.**

4.1.29



Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS1  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-882,811 E-616,203

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 2

Station Description: Rain gage and streamflow recorder and gage

Instrumentation: Rain gage-tipping bucket. Streamflow-stilling well with float connected to Stevens A-35 recorder in wooden shelter.

Data Source: Atlas #38: Unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential, precipitation, & the relationship btwn pcpt & streamflow

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS2  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-780,864 E-583,356

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 3

Station Description: Two rain gages and streamflow recorder and gage. One raingage is mounted on 4 ft high post, the other is at ground level.

Instrumentation: Rain gage-plastic (4 ft high) & aluminum storage gage. Streamflow-sstacom manometer connected to Stevens recorder in wooden shelter.

Data Source: Atlas #38: Unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential, precipitation & the relationship btwn pcpt and streamflow.

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS3  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-748,068 E-577,335

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 3

Station Description: Two rain gages and streamflow recorder and gage. One rain gage mounted on 4 ft high post, the other at ground level.

Instrumentation: Rain gage-plastic (4 ft high) and aluminum storage gage. Streamflow-Stacom manometer w/Stevens recorder in wooden shed.

Data Source: Atlas #38: Unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential, precipitation & the relationship btwn ppt & streamflow.

Comments: Rainfall collection & streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS4  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-700,517 E-567,324

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 3

Station Description: Two rain gages and streamflow recorder and gage. One rain gage mounted on 4 ft high post, the other is at ground level.

Instrumentation: Rain gage-plastic (4 ft high) and aluminum storage gage. Streamflow-stacom monometer w/Stevens recorder in wooden shelter.

Data Source: Atlas #38: Unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential, precipitation & the relationship btwn pcpt and streamflow.

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS5  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-878,479 E-634,893

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 2

Station Description: Two rain gages. One rain gage mounted on 4 ft wooden post, the other at ground level.

Instrumentation: Plastic rain gage (4 ft high) and aluminum storage gage.

Data Source: Atlas #38: Unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential, precipitation, & the relationship btwn pcpt. & streamflow.

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS6

WBS Number: 1.2.3.3.1.G

Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Air Force

Location (Nevada State Plane Coordinates: N-770,745 E-567,897

Location Surveyed (Yes or No): No

Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 2

Station Description: Two rain gages. One gage mounted on 4 ft high post with the other at ground level.

Instrumentation: Plastic rain gage (4. ft high) and aluminum storage gage.

Data Source: Atlas #38: Unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential, precipitation, & the relationship btwn pcpt. & streamflow

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS7  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-765,796 E-575,428

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 2

Station Description: Two rain gages. One gage mounted on 4 ft high post, the other is at ground level

Instrumentation: plastic gage (4 ft high) and aluminum storage gage.

Data Source: Atlas #38: Unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential, precipitation, & the relationship btwn pcpt. & streamflow

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS8  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-768,071 E-581,671

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 3

Station Description: Two rain gages and streamflow recorder and gage. One rain gage mounted on 4 ft high post, the other is at ground level.

Instrumentation: Rain gages-plastic (4 ft high) and aluminum storage gage. Streamflow-stacom manometer w/Stevens recorder located in storage shed.

Data Source: Atlas #38: Unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential, precipitation, & the relationship btwn pcpt. & streamflow

Comments: RAInfall collection and streamflow monitoring are ongoing.



Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS9  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-751,350 E-577,346

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 3

Station Description: Two rain gages and streamflow gage. One rain gage is mounted on 4 ft high post,  
the other is at ground level.

Instrumentation: Rain gages—plastic (4 ft high) and aluminum storage gage. Streamflow—crest stage stream gage.

Data Source: Atlas #38: Unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential,  
precipitation, & the relationship btwn pcpt. & streamflow

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS10  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-744,467 E-574,697

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 3

Station Description: Two rain gages and streamflow gage. One rain gage is mounted on 4 ft high post,  
the other is at ground level.

Instrumentation: Rain gages - plastic (4 ft high) and aluminum storage gage. Streamflow - crest stage stream gage.

Data Source: Atlas #38: Unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential,  
precipitation, & the relationship btwn pcpt. & streamflow.

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS11  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept of Energy (NTS)

Location (Nevada State Plane Coordinates: N-738,786 E-603,884

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 1

Station Description: Rain gage mounted on a 4 ft high post, and a streamflow gage.

Instrumentation: Plastic rain gage and a Crest stage stream gage.

Data Source: Atlas #38: Unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazzard potential,  
precipitation, & the relationship btwn pcpt. & streamflow

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS12

WBS Number: 1.2.3.3.1.G

Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-762,241 E-625,500

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 2

Station Description: Two rain gages. One rain gage is mounted on a 4 ft high post, the other is at ground level

Instrumentation: Rain gage - plastic (4' high) and an aluminum storage gage.

Data Source: Atlas #38: unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential, precipitation & the relationship btwn prcpt & streamflow.

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS13  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-749,630 E-694,169

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 2

Station Description: One rain gage and one streamflow gage and recorder. The rain gage is mounted on a 4' high post.

Instrumentation: Rain gage - plastic (4' high). Streamflow gage is a crest stage gage.

Data Source: Atlas #38: unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential, precipitation & the relationship btwn prcpt & streamflow.

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS14  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-704,813 E-653,320

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (UGSG)

Number of Stations: 2

Station Description: Two rain gages. One rain gage is mounted on a 4' high post, the other is at ground level.

Instrumentation: Rain gage - plastic (4' high) and an aluminum storage gage.

Data Source: Atlas #38: unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential, precipitation & the relationship btwn prcpt & streamflow.

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS15  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-660,462 E-667,277

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 2

Station Description: One rain gage, and one streamflow gage. The rain gage is mounted on a 4' high post.

Instrumentation: Rain gage - plastic (4' high). Streamflow gage consists of a crest stage gage.

Data Source: Atlas #38: unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential, precipitation & the relationship btwn prect & streamflow.

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS16

WBS Number: 1.2.3.3.1.G

Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-683,650 E-605,005

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 1

Station Description: One rain gage. The rain gage is mounted on a 4' high post.

Instrumentation: Rain gage - plastic (4' high).

Data Source: Atals #37: unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential,  
precipitation & the relationship btwn prcpt & streamflow.

Comments: Rainfall collection and streamflow monitoring are ongoing.



Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS17  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-620,106 E-664,676

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 1

Station Description: One streamflow gage.

Instrumentation: Crest stage stream gage.

Data Source: Atlas #38: unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential,  
precipitation & the relationship btwn prcpt & streamflow.

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS18  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-617,446 E-674,840

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 1

Station Description: One streamflow gage.

Instrumentation: Crest stage streamflow gage.

Data Source: Atlas #38: unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential,  
precipitation & the relationship btwn prcpt & streamflow.

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS19  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-746,757 E-482,618

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 2

Station Description: A rain gage mounted on a 4 ft high post and a streamflow gage.

Instrumentation: Rain gage - plastic (4' high). Streamflow crest stage gage.

Data Source: Atlas #38: unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential,  
precipitation & the relationship btwn prcpt & streamflow.

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS20

WBS Number: 1.2.3.3.1.G

Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-662,790 E-752,936

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S. Geological Survey (USGS)

Number of Stations: 1

Station Description: One streamflow gage.

Instrumentation: Streamflow crest stage gage.

Data Source: Atlas #38: unpublished USGS field data.

Purpose of Activity: To monitor rainfall & streamflow on & around Yucca Mtn for modeling flood hazard potential,  
precipitation & the relationship btwn prcpt & streamflow.

Comments: Rainfall collection and streamflow monitoring are ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS 42 & 43  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-4,076,140 U E-564,460 U

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS  
Number of Stations: 2  
Station Description: Rain gauges

Instrumentation: Tipping bucket made by Sierra Misco

Data Source: Atlas #27: computer files at Test Cell C Area 25

Purpose of Activity: To obtain rainfall data in the Yucca Mtn. area for modeling of environmental conditions.

Comments: Station is located by back door of office at the NTS Test Cell C Area 25. Rainfall is collected on a weekly basis.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS 44  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-771,275 E-560,220

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS  
Number of Stations: 1  
Station Description: Rain gauge.

Instrumentation: Tipping bucket made by Sierra Misco.

Data Source: Atlas #27: computer files at Test Cell C Area 25

Purpose of Activity: Obtain rainfall data in Yucca Mtn. area for modeling of environmental conditions.

Comments: Rainfall is collected on weekly basis.

Run Date: 06-apr-1988.

Monitoring Station Data Report  
Activity Type: PRECIPITATION & STREAMFLOW\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation & Streamflow

Activity Designation: PS 45  
WBS Number: 1.2.3.3.1.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-759,731 E-558,325

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS  
Number of Stations: 1  
Station Description: Rain Gauge

Instrumentation: Tipping bucket made by Sierra Misco

Data Source: Atlas #27: computer files at Test Cell C Area 25

Purpose of Activity: Obtain rainfall data in Yucca Mtn. area for modeling of environmental conditions.

Comments: Rainfall collection on weekly basis.

4.1.30



Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: ANDY  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-552,883 E-645,100

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS Nuclear Hydrology Program

Number of Stations: 1

Station Description: Collection cylinder secured by tie wires

Instrumentation: Collection cylinder developed in house

Data Source: USGS-OFR-87-463

Purpose of Activity: To provide data for interpretation on the timing and origin of groundwater recharge at Yucca Mtn.  
Samples analyzed for O3, H, and deuterium

Comments: Information on stations is from a draft copy of OFR-87-463

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: CAROLYN  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-752,892 E-558,865

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS Nuclear Hydrology Program

Number of Stations: 1

Station Description: Collection cylinder secured by tie wires

Instrumentation: Collection cylinder developed in house

Data Source: USGS-OFR-87-463

Purpose of Activity: To provide data for interpretation on the timing and origin of groundwater recharge at Yucca Mtn.  
Samples analyzed for O3, H, and deuterium

Comments: Information on stations is from a draft copy of OFR-87-463

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: DIANNE  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-766,543 E-558,837

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS Nuclear Hydrology Program

Number of Stations: 1

Station Description: Collection cylinder secured by tie wires

Instrumentation: Collection cylinder developed in house

Data Source: USGS-OFR-87-463

Purpose of Activity: To provide data for interpretation on the timing and origin of groundwater recharge at Yucca Mtn.  
Samples analyzed for O3, H, and deuterium

Comments: Information on stations is from a draft copy of OFR-87-463

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: GAIL  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-550,392 E-491,483

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS Nuclear Hydrology Program

Number of Stations: 1

Station Description: Collection cylinder secured by tie wires, funnel mounted on posts, automated logging recorder, tipping bucket rain gage mounted on ground

Instrumentation: Collection cylinder developed in house, rain sampler developed in house, Sierra-Misco tipping bucket

Data Source: USGS-OFR-87-463

Purpose of Activity: To provide data for interpretation on the timing and origin of groundwater recharge at Yucca Mtn.  
Samples analyzed for O3, H, and deuterium

Comments: Information on stations is from a draft copy of OFR-87-463

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: JENNIFER  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-776,493 E-498,050

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS Nuclear Hydrology Program

Number of Stations: 1

Station Description: Collection cylinder secured by tie wires

Instrumentation: Collection cylinder developed in house

Data Source: USGS-OFR-87-463

Purpose of Activity: To provide data for interpretation on the timing and origin of groundwater recharge at Yucca Mtn.  
Samples analyzed for O3, H, & deuterium

Comments: Information on stations is from a draft copy of OFR-87-463.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: JOANNE  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-685,542 E-595,031

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS Nuclear Hydrology Program

Number of Stations: 1

Station Description: Collection cylinder secured by tie wires, automated logging recorder, tipping  
bucket rain gage mounted on ground

Instrumentation: Collection cylinder developed in house, Sierra-Misco tipping bucket

Data Source: USGS-OFR-87-463

Purpose of Activity: To provide data for interpretation on the timing & origin of groundwater recharge at Yucca Mtn.  
Samples analyzed for O3, H, and deuterium

Comments: Information on stations is from a draft copy of OFR-87-463

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: KATHY  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior

Location (Nevada State Plane Coordinates: N-699,495 E-642,559

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS Nuclear Hydrology Program

Number of Stations: 1

Station Description: Collection cylinder secured by tie wires, automated logging recorder, tipping  
bucket rain gage mounted on ground

Instrumentation: Collection cylinder developed in house, Sierra-Misco tipping bucket

Data Source: USGS-OFR-87-463

Purpose of Activity: To provide data for interpretation on the timing and origin of groundwater recharge at Yucca Mtn.  
Samples analyzed for O3, H, and deuterium

Comments: Information on stations is from a draft copy of OFR-87-463

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS•  
Activity IDs: •  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: KI  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-916,743 E-601,843

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS Nuclear Hydrology Program

Number of Stations: 1

Station Description: Collection cylinder secured by tie wires, automated logging recorder, tipping  
bucket rain gage mounted on ground

Instrumentation: Collection cylinder developed in house, Sierra-Misco tipping bucket

Data Source: USGS-OFR-87-463

Purpose of Activity: To provide data for interpretation on the timing and origin of groundwater recharge at Yucca Mtn.  
Samples analyzed for O3, H, and deuterium

Comments: Information on stations is from a draft copy of OFR-87-463



Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: LUCKY  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-461,515 E-504,928 .

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS Nuclear Hydrology Program

Number of Stations: 1

Station Description: Collection cylinder secured by tie wires, automated logging recorder, tipping  
bucket rain gage mounted on ground

Instrumentation: Collection cylinder developed in house, Sierra-Misco tipping bucket

Data Source: USGS-OFR-87-463

Purpose of Activity: To provide data for interpretation on the timing and origin of groundwater recharge at Yucca Mtn.  
Samples analyzed for O3, H, and deuterium

Comments: Information on stations is from a draft copy of OFR-87-463

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: MARGE  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-759,667 E-558,851

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS Nuclear Hydrology Program

Number of Stations: 1

Station Description: Collection cylinder secured by tie wires

Instrumentation: Collection cylinder developed in house

Data Source: USGS-OFR-87-463

Purpose of Activity: To provide data for interpretation on the timing and origin of groundwater recharge at Yucca Mtn.  
Samples analyzed for O3, H, and deuterium

Comments: Information on stations is from a draft copy of OFR-87-463

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: ROBIN

WBS Number: 1.2.3.3

Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-751,831 E-579,521

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS Nuclear Hydrology Program

Number of Stations: 1

Station Description: Collection cylinder secured by tie wires, automated logging recorder, tipping  
bucket ran gage mounted on ground

Instrumentation: Collection cylinder developed in house, Sierra-Misco tipping bucket

Data Source: USGS-OFR-87-463

Purpose of Activity: To provide data for interpretation on the timing and origin of groundwater recharge at Yucca Mtn.  
Samples analyzed for O3, H, and deuterium

Comments: Information on stations is from a draft copy of OFR 87-463

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: SANDY  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-771,802 E-558,826

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: USGS Nuclear Hydrology Program

Number of Stations: 1

Station Description: Collection cylinder secured by tie wires, funnel mounted on posts, automated  
logging recorder, tipping bucket rain gage mounted on ground

Instrumentation: Collection cylinder developed in house, rain sampler developed in house, Sierra-Misco tipping bucket

Data Source: USGS-OFR-87-463

Purpose of Activity: To provide data for interpretation on the timing and origin of groundwater recharge at Yucca Mtn.  
Samples analyzed for O3, H, and deuterium

Comments: Information on stations is from a draft copy of OFR-87-463

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Monitoring Station: Precipitation Collectors

Activity Designation: H&N-PG5  
WBS Number: 1.2.3.3.2.G  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-893,800 E-635,400

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center (DRI-WRC)

Number of Stations: 1

Station Description: DRI barrel-type gauge placed in ground to depth of about 3 feet.

Instrumentation: DRI barrel-type precipitation collection system.

Data Source: DRI-WRC Rpt. #45072

Purpose of Activity: To collect precipitation for isotopic analysis for comparison to waters collected in tunnel U12N and the discharge area.

Comments:

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Monitoring Station: Precipitation Collectors

Activity Designation: CJ1  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-881500 E-643800

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt omts are also noted. Data used  
in hydrologic studies of sat and unsat zone flow.

Comments: Installed approximately 10/81.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: PT1  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-902700 E-606800

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt omis are also noted. Data used  
in hydrologic studies of sat. and unsat zone flows.

Comments: Installed approximately 10/81.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Monitoring Station: Precipitation Collectors

Activity Designation: PT2  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-922700 E-591900

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but prcpt amts are also noted. Data used in hydrologic studies of sat and unsat zone flow.

Comments: Installed approximately 10/81.



Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: PT3  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-900200 E-561400

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center  
Number of Stations: 1  
Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector (dev in-house) w/ pcpt. collection gear inside; buried in soil w/ only collecti  
on area exposed.

Data Source: Unpublished data from Dr. John Hess of DRI-WRC.

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but prcpt amts are also noted. Data used  
in hydrologic studies of sat and unsat zone flow.

Comments: Installed approximately 10/81.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Monitoring Station: Precipitation Collectors

Activity Designation: RC1  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-847800 E-654800

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt amts are also noted. Data used  
in hydrologic studies of sat and unsat zone flow.

Comments: Installed approximately 10/84.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Monitoring Station: Precipitation Collectors

Activity Designation: RT1  
WBS Number: 1.2.3.6.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-893500 E-635000

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center  
Number of Stations: 1  
Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt omis are also noted. Data used in hydrologic studies of sat & unsat zone flow.

Comments: Installed approximately 10/81.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Monitoring Station: Precipitation Collectors

Activity Designation: RT2  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-877000 E-635000

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type (dev in-house) w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed.

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt omts are also noted. Data used in hydrologic studies of sat and unsat zone flow.

Comments: Installed approximately 10/81.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Monitoring Station: Precipitation Collectors

Activity Designation: RT3  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-866500 E-610200

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt amts are also noted. Data used in hydrologic studies of sat and unsat zone flow.

Comments: Installed approximately 10/81.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: SB1  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-767000 E-709000

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection are exposed.

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt amts are also noted. Data used in hydrologic studies of sat and unsat zone flow.

Comments: Installed approximately 10/81.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: ST1  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-799100 E-618800

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: 30-gallon barrel buried in soil

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt amts are also noted. Data used in hydrologic studies of sat and unsat zone flow.

Comments: Installed approximately 10/81.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

---

Type of Monitoring Station: Precipitation Collectors

Activity Designation: ST2  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-797100 E-621700

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt amts are also noted. Data used  
in hydrologic studies of sat and unsat zone flow.

Comments: Installed approximately 10/81.



Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: ST3  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-787700 E-617300

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt amts are also noted. Data used  
in hydrologic studies of sat and unsat zone flow.

Comments: Installed approximately 10/81.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: ST4  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-764400 E-816300

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt omte are also noted. Data used  
in hydrologic studies of sat and unsat zone flow.

Comments: Installed approximately 10/81.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS•  
Activity IDs: •  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: TT1  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-840500 E-565100

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center  
Number of Stations: 1  
Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt omis are also noted. Data used in hydrologic studies of sat and unsat zone flow.

Comments: Installed approximately 10/81.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: TT2  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-836900 E-582100

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt amts are also noted. Data used in hydrologic studies of sat and unsat zone flow.

Comments: Installed approximately 10/81.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: TT3  
WBS Number: 1.2.3.4.1  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-836200 E-600300

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: 30-gallon barrel buried in soil.

Instrumentation: DRI barrel-type collector w/ pcpt. collection gear inside; buried in soil w/ only collection area exposed

Data Source: Atlas #29: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotopic analysis, but pcpt amts are also noted. Data used  
in hydrologic studies of sat. & unsat. zone flow.

Comments: Installed approximately 10/81.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: Y3  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-753800 E-558990

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: DRI barrel-type pcpt. collector buried approximately one foot deep.

Instrumentation: DRI barrel-type pcpt. collector consisting of a 30-gallon barrel with collection gear inside.

Data Source: Atlas #35: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotope analysis, but pcpt amts are also noted. Data used in hydrologic studies of sat and unsat zone flow.

Comments: Collector located within 10 feet of existing roads. Installed on 12/5/84.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: Y6  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS).

Location (Nevada State Plane Coordinates: N-786700 E-563800

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: DRI barrel-type pcpt. collector buried approximately one foot deep.

Instrumentation: DRI barrel-type pcpt. collector consisting of a 30-gallon barrel with collection gear inside.

Data Source: Atlas #35: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotope analysis, but pcpt amts are also noted. Data used in hydrologic studies of sat and unsat zone flow.

Comments: Collector located within 10 feet of existing roads. Installed on 12/5/84.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: Y7  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-772500 E-559300

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: DRI barrel-type pcpt. collector buried approximately one foot deep.

Instrumentation: DRI barrel-type pcpt. collector consisting of a 30-gallon barrel with collection gear inside.

Data Source: Atlas #35: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotope analysis, but pcpt amts are also noted. Data used in hydrologic studies of sat and unsat zone flow.

Comments: Collector located within 10 feet of existing roads. Installed on 12/5/84.



Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: PRECIPITATION COLLECTORS\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Precipitation Collectors

Activity Designation: Y8  
WBS Number: 1.2.3.3  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-751500 E-582400

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Desert Research Institute - Water Resources Center

Number of Stations: 1

Station Description: DRI barrel-type pcpt. collector buried approximately one foot deep.

Instrumentation: DRI barrel-type pcpt. collector consisting of a 30-gallon barrel with collection gear inside.

Data Source: Atlas #35: Unpublished data from Dr. John Hess

Purpose of Activity: Primarily to collect precipitation for isotope analysis, but pcpt amts are also noted. Data used in hydrologic studies of sat and unsat zone flow.

Comments: Collector located within 10 feet of existing roads. Installed on 12/5/84.

4.1.31

**Monitoring Station Data Report**  
**Activity Type: \***  
**(Sorted by Activity Type)**

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Type of Monitoring Station: Seismic: Seismic Monitoring Network

Activity Designation: SGBSN  
WBS Number: 1.2.3.2.2.2.G  
Work Order Number:

Land Owner or Responsible Agency: BLM, USAF, and NTS

Location (Nevada State Plane Coordinates: N- E-

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: U.S Geological Survey

Number of Stations: 53

Station Description: Single vertical seismometer located on surface, mounted in sulfa-set compound.  
The 53 stations are located in a 160 km radius of the NTS.

Instrumentation: Mark Products L-4c and Teledyne-Geotech S-13 seismometers, 1 H3 and DEC PDP 11-34 and 11-70 digital detection and recording.

Data Source: USGS-OFR-83-669

Purpose of Activity: To conduct seismological monitoring studies of the Southern Great Basin in order to assess seismic and tectonic activity in the NTS region.

Comments: Data recording began in August 1978 and is ongoing. The locations and elevations of the stations are attached.

Attached Table for Atlas Activity SGBSN. Location of Southern Great Basin Seismic Network (SGBSN) Monitoring Stations.

STATION CODE	STATION	PERIOD OF OPERATION (DAY/MONTH/YEAR)	LATITUDE (DEG MINUTES)	LONGITUDE (DEG MINUTES)	ELEVATION (METERS)	SEISMOETER MODEL
AMR	Amargosa, Cal.	24/07/78-present	36°23.86'N	116°28.45'W	720	L-4C
APK	Angel Peak, Nev.	15/06/75-present*	36°19.17'N	115°34.46'W	2680	S-13 to 21/3/81 L-4C 21/3/81-pr
BGB	Big Butte, Nev.	23/01/79-present	37°02.27'N	116°13.66'W	1720	L-4C
BLT	Belted Range, Nev.	30/05/79-present	37°28.93'N	116°07.35'W	1820	L-4C
BMT	Black Mountain, Nev.	26/02/80-present	37°17.02'N	116°38.74'W	2191	L-4C
BRO	Bare Mountain, Nev.	28/11/78-08/04/81	36°45.76'N	116°37.52'W	920	L-4C
CDH1	Calico Hills, Nev.	01/02/80-present*	36°51.62'N	116°19.05'W	1387	L-1-3DS (vert.)
CDH5	Calico Hills, Nev.	01/02/80-18/11/81	36°51.62'N	116°19.05'W	1055	L-1-3DS (horiz.)
CPX	CP-1, Nev.	—/—/77-01/03/80*	36°55.80'N	116°03.33'W	1285	NGC-21 to 5/8/80 L-4C 5/8/80-pr
CIS	Cactus Peak, Nev.	24/04/79-present	37°39.40'N	116°43.54'W	1890	L-4C
DLM	Delamar Mountains, Nev.	08/06/78-present*	37°36.35'N	114°44.33'W	1730	L-4C
EPN	Echo Peak, Nev.	02/09/75-present	37°12.85'N	116°19.42'W	2285	S-13 to 25/4/80 L-4C 25/4/80-pr
EPR	East Pahrnagat Rg., Nev.	23/01/79-present*	37°10.12'N	115°11.19'W	1300	L-4C
FMT	Funeral Mountains, Cal.	28/11/78-present	36°38.38'N	116°46.73'W	1025	L-4C

GLR	Groom Lake Road, Nev.	20/11/75-present*	37°11.96'N	116°01.06'W	1435	L-4C
GMN	Gold Mountain, Nev.	13/07/79-present*	37°18.01'N	117°15.58'W	2155	L-4C
GMR	Groom Range, Nev.	23/01/79-present	37°20.03'N	115°46.27'W	1580	L-4C
GVN	Grapevine, Cal.	28/11/78-present	37°00.09'N	117°20.55'W	865	L-4C
GVV	Greenwater Valley, Cal.	24/07/78-present	36°11.20'N	116°40.24'W	1540	L-4C
BCR	Hot Creek Range, Nev.	21/07/81-present	38°14.02'N	116°26.18'W	2030	L-4C
JON	Johnnie, Nev.	24/07/78-present*	36°26.39'N	116°06.18'W	920	L-4C
KRV	Kawich Range, Nev.	30/05/79-23/04/80	37°42.37'N	116°20.07'W	2570	L-4C
KRNA	Kawich Range, Nev.	23/04/80-present	37°44.47'N	116°22.80'W	1980	L-4C
LCH	Last Chance Range, Cal.	13/07/79-present*	37°14.08'N	117°38.84'W	1455	L-4C
LEE	Leeds, Utah	01/01/71-01/06/80	37°14.58'N	113°22.60'W	1067	Benioff
LOP	Lookout Peak, Nev.	23/01/79-present	36°51.25'N	116°10.05'W	1695	L-4C
LSH	Little Skull Mt., Nev.	13/12/79-present	36°44.40'N	116°16.37'W	1140	S-13
LSN	Little Skull Mt., Nev.	19/02/79-13/12/79	36°45.21'N	116°15.57'W	1070	L-4C
MCA	Marble Canyon, Cal.	23/01/79-present	36°38.89'N	117°16.85'W	300	L-4C
MCX	Mercury, Nev.	15/06/77-07/03/80	36°39.37'N	115°59.45'W	1160	S-13
MCV	Mercury, Nev.	07/03/80-present*	36°39.70'N	115°57.73'W	1285	S-13
MGM	Magruder Mountain, Nev.	13/07/79-present*	37°26.47'N	117°29.79'W	2100	L-4C
MTI	Mount Irish, Nev.	08/06/79-present*	37°40.60'N	115°16.36'W	1525	L-4C

MZP	Montezuma Peak, Nev.	13/07/79-present	37°42.04'N	117°22.98'W	2375	L-4C
NEL	Nelson, Nev.	01/01/71-01/06/80	35°42.73'N	114°50.62'W	1052	Benioff
NNN	Nasa Mountain, Nev.	28/11/78-present	37°04.85'N	116°49.09'W	1500	L-4C
NOP	Nopah Range, Cal.	24/07/78-present	36°07.68'N	116°09.16'W	970	L-4C to 25/4/80 S-13 25/4/80-pr
NPV	North Pahroc Rg., Nev.	08/06/79-present*	37°39.16'N	114°56.22'W	1650	L-4C
PGE	Panamint Range, Cal.	28/11/78-present*	36°20.93'N	117°03.95'W	1850	L-4C
PFK	Piper Mountain, Cal.	13/07/79-present*	37°25.58'N	117°54.43'W	1830	L-4C
PRN	Pahroc Range, Nev.	21/01/72-present*	37°24.42'N	115°02.99'W	1470	NGC-21 to 19/6/80 S-13 19/6/80-pr
QCS	Queen City Summit, Nev.	08/06/79-present	37°46.07'N	115°54.98'W	1890	L-4C
QSM	Queen of Sheba Mine, Cal.	28/11/78-present	35°57.93'N	116°52.10'W	670	L-4C
RVE	Reveille Range, Nev.	08/06/79-20/07/81	38°01.18'N	116°11.51'W	2290	L-4C
SDH	Striped Hills, Nev.	24/07/78-present	36°38.73'N	116°20.29'W	1055	L-4C
SGV	South Grapevine Mts., Cal.	28/11/78-present	36°58.87'N	117°01.94'W	1565	L-4C
SHR	Sheep Range, Nev.	22/05/79-present	36°30.27'N	115°09.31'W	1645	L-4C
SPRG	Spotted Range, Nev.	28/05/79-present	36°41.64'N	115°48.56'W	1235	L-4C
SRG	Seaman Range, Nev.	08/06/79-present*	37°52.93'N	115°04.08'W	1645	L-4C
SSP	Shoshone Peak, Nev.	10/10/73-present*	36°55.50'N	116°13.11'W	2065	NGC-21 to 25/5/80 L-4C 27/5/80-pr

SVP	Silver Peak Range, Nev.	13/07/79-present*	37°42.90'N	117°48.05'W	2620	L-4C
TMR	Timber Mt., Nev.	19/02/82-present	37°02.05'N	116°23.13'W	1758	L-4C
TMO	Tin Mountain, Cal.	28/11/78-present	36°48.32'N	117°24.48'W	2195	L-4C
TNP	Tonopah, Nev.	31/08/64-02/19/82	38°04.92'N	117°13.08'W	1931	Benioff
TRK	Tolicha Peak, Nev.	11/06/79-12/02/80*	37°16.11'N	116°48.26'W	2080	L-4C
TPU	Templute Mountain, Nev.	08/06/79-present*	37°36.30'N	115°38.95'W	1915	L-4C
WCT	Wildcat Mountain, Nev.	08/04/81-present	36°47.53'N	116°37.60'W	1000	L-4C
WRN	Worthington Mts., Nev.	08/06/79-present	37°58.90'N	115°35.30'W	1760	L-4C
YMT1	Yucca Mountain, Nev.	05/03/81-present*	36°51.20'N	116°31.80'W	1200	S-13
YMT2	Yucca Mountain, Nev.	05/03/81-present*	36°47.12'N	116°29.19'W	1220	S-13
YMT3	Yucca Mountain, Nev.	05/03/81-present*	36°47.23'N	116°24.79'W	1050	S-13
YMT4	Yucca Mountain, Nev.	01/04/81-present*	36°50.89'N	116°26.93'W	1256	S-13
YMT5	Yucca Mountain, Nev.	01/04/81-present*	36°53.90'N	116°27.23'W	1350	S-13
YMT6	Yucca Mountain, Nev.	01/04/81-present*	36°51.51'N	116°24.26'W	1150	S-13

\*INDICATES STATION HAVING POLARITY REVERSAL.

4.1.32



Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: ST A  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-762,364 E-605,355

Location Surveyed (Yes or No): Yes

Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 1

Station Description: Accelerometers are enclosed in a cannister buried about 6 inches below the surface.

Instrumentation: Accelerometer is manufactured by Sundstrand Corporation. Manufacturer gage type is QA1400-AA01-0.

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: Information is used to determine ground motion of a nuclear event.

Comments: Ground motion monitoring is on going.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: ST E  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-752,317 E-606,992

Location Surveyed (Yes or No): Yes  
Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 1

Station Description: Accelerometers are enclosed in a cannister buried about 6" below the surface.

Instrumentation: Instrument manufactured by Sundstrand Corp. Mfr. gage type: 303T, 303B111, 303B.

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: ST F  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-746,562 E-609,377

Location Surveyed (Yes or No): Yes

Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 1

Station Description: Accelerometers are enclosed in a cannister buried about 6" below the surface.

Instrumentation: Instrument manufactured by Sundstrand Corp. Mfgr. gage type: 303TF, 303B, 303B111

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: ST G  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-735,051 E-614,287

Location Surveyed (Yes or No): Yes

Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 1

Station Description: Accelerometers are enclosed in a canister buried about 6" below the surface.

Instrumentation: Instrument manufactured by Sundstrand Corp. Mfr. gage type: 303T102, 303B111, 303B

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: ST H  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-756,244 E-598,758

Location Surveyed (Yes or No): Yes  
Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 1

Station Description: Accelerometers are enclosed in a cannister buried about 6" below the surface.

Instrumentation: Instrument manufactured by Sundstrand Corp. Mfg. gage type: 303T, 303B, 303B13

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: ST I  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-759,902 E-610,181

Location Surveyed (Yes or No): Yes

Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 1

Station Description: Accelerometer enclosed in a cannister buried about 6" below the surface.

Instrumentation: Instrument manufactured by Sundstrand Corp. Mfr. gage type: 303T111, 303B

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: ST J  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-754,414 E-593,038

Location Surveyed (Yes or No): Yes  
Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 1

Station Description: Accelerometer enclosed in a cannister buried about 6" below the surface.

Instrumentation: Instrument manufactured by Sundstrand Corp. Mfr. gage type: QA1200-AA01-0

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: ST K  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-761,732 E-615,895

Location Surveyed (Yes or No): Yes

Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 1

Station Description: Accelerometer enclosed in a cannister buried about 6" below the surface.

Instrumentation: Instrument manufactured by Sundstrand Corp. Mfr. gage type: 303T, 303B14, 303B111

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.



Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: WI-10  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-740,806 E-611,832

Location Surveyed (Yes or No): Yes

Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 1

Station Description: Accelerometer enclosed in a canister buried about 6" below the surface.

Instrumentation: Instrument manufactured by Sundstrand Corp. Mfr. gage type: QA1300-AA01-007

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: WI-25  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Air Force (USAF)

Location (Nevada State Plane Coordinates: N-770,500 E-561,000

Location Surveyed (Yes or No): Yes

Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 2

Station Description: Two accelerometers are enclosed in cannisters suspended in drillhole USW G-1.  
One is installed at the surface the other is at a depth of 1000'.

Instrumentation: Instruments are manufactured by Sundstrand Corp. Mfgr. gage types are QA1400-AA01-0.

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: WI-26  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-765,200 E-571,400

Location Surveyed (Yes or No): Yes

Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 1

Station Description: Accelerometer enclosed in a cannister buried about 6" below the surface.

Instrumentation: Instrument manufactured by Sundstrand Corp. Mfr. gage type: QA1400-AA01-0

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: WI-28  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept of Air Force (USAF)

Location (Nevada State Plane Coordinates: N-778,824 E-560,503

Location Surveyed (Yes or No): Yes  
Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 2

Station Description: Two accelerometers are enclosed in canisters and suspended in drillhole USW G-2. One is at the surface the other is installed at a depth of 1,175'.

Instrumentation: Instruments are manufactured by Sundstrand Corp. Mfr. gage type for both is QA1400-AA01-0.

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: WI-29  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept of Energy (NTS)

Location (Nevada State Plane Coordinates: N-762,101 E-572,063

Location Surveyed (Yes or No): Yes

Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 2

Station Description: Two accelerometers are enclosed in cannisters and suspended in drillhole UE-25  
RF#4. One is at the surface the other is installed at a depth of 266'.

Instrumentation: Instruments are manufactured by Sundstrand Corp. Mfgr. gage types are both QA1400-AA01-0

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such  
events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: WI-30  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Interior (BLM)

Location (Nevada State Plane Coordinates: N-752,695 E-558,501

Location Surveyed (Yes or No): Yes

Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 1

Station Description: Accelerometer enclosed in a cannister suspended at the surface in drillhole USW  
GU-3.

Instrumentation: Instrument manufactured by Sundstrand Corp. Mfr. gage type: QA1400-AA01-0

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such  
events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: WI-6  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-758,081 E-604,499

Location Surveyed (Yes or No): Yes  
Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 1

Station Description: Accelerometer enclosed in a cannister buried about 6" below the surface.

Instrumentation: Instrument manufactured by Sundstrand Corp. Mfr. gage type: 303T 102, 303B

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.

Run Date: 06-apr-1988

Monitoring Station Data Report  
Activity Type: SEISMIC: WEAPONS-TEST SEISMICITY\*  
Activity IDs: \*  
(Sorted by Activity Type and ID)

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Type of Monitoring Station: Seismic: Weapons-Test Seismicity

Activity Designation: WI-7  
WBS Number: 1.2.3.2.3.4.S  
Work Order Number:

Land Owner or Responsible Agency: U.S. Dept. of Energy (NTS)

Location (Nevada State Plane Coordinates: N-768,208 E-608,654

Location Surveyed (Yes or No): Yes

Surveyor (organization): H&N (AREA 6, NTS)

Data Collected By: Sandia National Lab (SNL)

Number of Stations: 1

Station Description: Accelerometer enclosed in a cannister buried about 6" below the surface.

Instrumentation: Instrument manufactured by Sundstrand Corp. Mfr. gage type: 303TF, 303B

Data Source: Atlas #41: Unpublished data files.

Purpose of Activity: To monitor ground motion associated with nuclear events at the NTS in order to determine how such events would effect a repository at Yucca Mountain.

Comments: Ground motion monitoring is ongoing.



4.1.33

**Monitoring Station Data Report**  
**Activity Type: GEOCHEMISTRY**  
**(Sorted by Activity Source)**

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Type of Monitoring Station: Geochemistry

Activity Designation: H&N SPG-1  
WBS Number: 1.2.3  
Work Order Number:

Land Owner or Responsible Agency:

Location (Nevada State Plane Coordinates: N- E-

Location Surveyed (Yes or No): No  
Surveyor (organization):

Data Collected By: Compiled by DRI Water Resources Center  
Number of Stations: 75  
Station Description: 49 springs, 2 water wells, and 24 drillholes

Instrumentation: N/A. Water samples were collected at each one of these sites for geochemistry analysis.

Data Source: NWPO-TR-006-87: Contractor Report

Purpose of Activity: Describe reactions & mechanisms controlling the water chemistry & mineral stability in a tuffaceous hydrologic environ. along theoretical flow paths.

Comments: Attached table gives map sample number, investigation sample number, sample name, date sampled, location of sample points, elevation (surface), discharge rate for springs, and reference.

Attached Table of Spring and Well Site Locations for Atlas Activity Number BEN SPG-1

Map Number	Sample Number	Sample Name	Date Collected	Decimal (1) Latitude Longitude		Elevation (2)	Discharge (3)	Reference
1	sts100	Park Canyon Spring	112784	39.2813	117.8058	1740	0.32	This report
2	sts101	Carrol Summit Spring	112784	39.2608	117.7138	2176	0.93	"
3	sts102	China Spring	112884	39.7175	117.0663	1871	5.05	"
4	sts103	Indian Ranch Spring	112884	39.5467	116.7950	2346	1.26	"
5	sts104	Rye Patch Spring	112884	39.5483	116.8633	1932	0.32	"
6	sts105	Willow Canyon Spring	112984	39.0883	116.8717	2103	0.32	"
7	sts106	Upper Peavine Canyon Spring	113084	38.5863	117.2792	1853	0.32	"
8	sts107	Peavine Campground Spring	113084	38.6175	117.3033	1914	9.46	"
9	sts108	Cottonwood Creek Spring	113084	38.5592	117.3992	1901	0.32	"
10	sts109	Barrel Spring	113084	38.5380	117.4333	1877	0.06	"
11	sts110	Squaw Wells Spring	120184	38.7200	116.0825	2097	0.06	"
12	sts112	Iceberg Spring	120184	38.4275	116.1722	1804	0.32	"
13	sts113	Black Spring	120184	38.1525	116.3847	1804	0.32	"
14	sts114	Stevens Spring	120284	38.6142	117.5242	1898	0.06	"
15	sts115	Lower Cripple Spring	120284	38.7363	117.5042	2109	0.19	"
16	sts117	Ione Spring	120284	38.9700	117.5583	2206	0.06	"
17	sts200	War Canyon Spring	112884	39.6017	117.8633	2188	0.06	"
18	sts201	Indian Spring I	112884	39.6217	117.3905	2066	0.06	"
19	sts202	Martin Ranch Spring	112984	39.1317	116.4000	2243	0.13	"
20	sts204	Corcoran Canyon Spring	113084	38.6800	116.8125	2225	2.52	"
21	sts205	Meadow Canyon Spring	113084	38.6892	116.9122	2423	1.26	"
22	sts206	Sidehill Spring	120184	38.2563	116.6892	1874	0.63	"
23	sts208	McCann Canyon Spring	120184	38.4800	116.7138	2109	0.06	"
24	sts209	Crow Spring	120184	38.2492	117.5905	1591	0.19	"
25	sts210	Gilbert Spring	120184	38.2038	117.6547	1850	0.19	"
26	sts211	Cave Spring	120284	37.8017	117.8433	1901	0.06	"
27	sts213	Rhyolite Ridge Spring	120284	37.7983	117.8133	1987	0.19	"
28	yes502	Indian Spring II	011085	38.7750	115.7217	1883	0.95	"
29	yes505	Windous Butte Spring	011285	38.9217	115.1630	1859	2.52	"
30	yes506	Coyote Spring	011385	38.0322	114.8617	1597	0.13	"
31	yes507	White Rock Spring	011385	37.8963	115.0197	1577	3.15	"
32	yes508	Pahroc Spring	011485	37.6642	114.9800	1645	1.26	"
33	yes509	Mustang Spring	011485	37.7358	114.9205	1682	0.06	"
34	yes510	Grassy Spring	011485	37.5408	114.7908	1752	0.95	"
35	yes511	Cedar Spring	011585	37.9017	116.2733	1767	0.06	"
36	yes512	Georges Water Spring	011585	37.8600	116.3500	2026	0.63	"
37	yes513	Eden Creek Ranch Spring	011585	37.9700	116.3800	1828	0.63	"
38	yes601	Young Florio Spring	011085	38.9792	115.8122	1901	0.06	"
39	yes613	Bells Acres Gulch Spring	011485	37.4600	115.1250	1322	0.32	"

Attached Table of Spring and Well Site Locations for Atlas Activity Number BEN SPG-1

Map Number	Sample Number	Sample Name	Date Collected	Decimal (1) Latitude Longitude		Elevation (2)	Discharge (3)	Reference
40	yes617	The Seeps Spring	011585	37.7400	115.5750	1840	0.32	"
41	ttr001	Cactus Spring	102183	37.7207	116.8153	1914	0.11	DRI, unpublished data
42	ttr002	Horse Trough Spring	102583	37.7583	116.8383	1889	0.02	"
43	ttr003	Antelope Spring	112083	37.6193	116.7260	1889	0.05	"
44	ttr004	Stinking Spring	122983	37.8947	116.5267	1987	0.06	"
45	ttr005	Stinking Seep Spring	122983	37.8947	116.5267	1987	0.09	"
46	ttr006	Breen Creek @ Ranch Spring	122983	37.9147	116.4763	2097	-	"
47	ttr007	Corral Spring	010684	37.7855	116.3808	2036	0.07	"
48	ttr008	Rose Spring	010684	37.7437	116.3500	2072	0.25	"
49	ttr009	Powder River Spring	010684	37.7905	116.3850	2023	0.01	"
50	nts001	Ue18r	012968	37.1350	116.4450	1688	(4)	Blankenbeger & Weir, 1973
51	nts002	Ue19b#1	062164	37.3097	116.2988	2073	-	"
52	nts003	Ue19c	030966	37.2683	116.3193	2144	-	"
53	nts004	Ue19d	030966	37.3472	116.3225	2091	-	"
54	nts005	Ue19e	080166	37.2963	116.3333	2109	-	"
55	nts006	Ue19fs	081865	37.2235	116.3682	2053	-	"
56	nts007	Ue19gs	080266	37.3077	116.3643	2048	-	"
57	nts008	Ue19i	090265	37.2500	116.3475	2085	-	"
58	nts009	Ue20a#2	101464	37.2422	116.4207	1973	-	"
59	nts010	Ue20d	072766	37.2463	116.4793	1906	-	"
60	nts011	Ue20e#1	030866	37.3155	116.4568	1919	-	"
61	nts012	Ue20f	081164	37.2703	116.4875	1864	-	"
62	nts013	Ue20f	032866	37.2703	116.4875	1864	-	"
63	nts014	Ue20h	082665	37.2712	116.4338	1999	-	"
64	nts015	Ue20j	102164	37.2990	116.5343	1798	-	"
65	nts016	Test Well 8	101564	37.1650	116.2897	1736	-	"
66	yuc001	Ue25b#1	072082	36.8522	116.4397	1200	(4)	Benson et al., 1983
67	yuc002	Ue29a#2	011582	36.9413	116.3738	1215	-	"
68	yuc003	USW G-4	120982	36.8540	116.4513	1270	-	"
69	yuc004	USW H-1	120880	36.8662	116.4533	1303	-	"
70	yuc005	USW H-4	051782	36.8422	116.4483	1249	-	"
71	yuc006	USW H-5	072682	36.8562	116.4653	1479	-	"
72	yuc007	USW H-6	101682	36.8470	116.4820	1305	-	"
73	yuc008	USW VH-1	021181	36.7922	116.5020	963	-	"
74	yuc009	J-12	032671	36.7647	116.3950	953	-	"
75	yuc010	J-13	032671	36.8072	116.3898	1011	-	"

Attached Table of Spring and Well Site Locations for Atlas Activity Number BEN SPG-1

Map	Sample	Sample	Date	Decimal (1)		Elevation	Discharge	Reference
Number	Number	Name	Collected	Latitude	Longitude	(2)	(3)	

NOTES:

- (1) Decimal latitude and longitude - e.g., 39.2813 = 39°16'53" from 0.2813 X 60 = 16.88'; 0.88 X 60 = 53".
- (2) Elevation in meters above mean sea level; well elevation is land surface.
- (3) Discharge in liters/second, estimated or measured; not measured for ttr006.
- (4) Well samples were collected during various stages of drilling and aquifer testing; discharge is not known.

4.1.34

**Mapping Data Report**  
**Activity Type: GEOLOGIC MAP**  
**(Sorted by Activity Type and ID)**

---

**Type of Mapping: Geologic Map**

**Activity Designation: GEO-MAP #1**  
**WBS Number: 1.2.3.2**  
**Work Order Number:**

**Start Date:**

**Completion Date:**

**Area(s) Covered: USGS Bare Mountain 15' Quadrangle, Nevada.**

**Surveyed (Y/N): N**

**Type of Survey:**

**Surveyor:**

**Mapped By: Cornwall & Kleinhampl, U.S. Geological Survey (USGS)**

**Data Source: GQ-157**

**Purpose of Activity: To map the geology of this quadrangle.**

**Comments: Rock type and faults were mapped.**

**Mapping Data Report**  
**Activity Type: GEOLOGIC MAP**  
**(Sorted by Activity Type and ID)**

---

**Type of Mapping: Geologic Map**

**Activity Designation: GEO-MAP #5**  
**WBS Number: 1.2.3.2**  
**Work Order Number:**

**Start Date:**

**Completion Date:**

**Area(s) Covered: USGS 7 1/2' Jackass Flats, Nevada Topographic Quadrangle**

**Surveyed (Y/N): N**

**Type of Survey:**

**Surveyor:**

**Mapped By: McKay & Williams**

**Data Source: GQ-368**

**Purpose of Activity: To map the geology of this quadrangle.**

**Comments: Rock type and faults were mapped.**



**Mapping Data Report**  
**Activity Type: GEOLOGIC MAP**  
**(Sorted by Activity Type and ID)**

---

**Type of Mapping: Geologic Map**

**Activity Designation: GEO-MAP #4**  
**WBS Number: 1.2.3.2**  
**Work Order Number:**

**Start Date:**

**Completion Date:**

**Area(s) Covered: USGS 7 1/2' Topopah Spring SW, Nevada Topographic Quadrangle**

**Surveyed (Y/N): N**

**Type of Survey:**

**Surveyor:**

**Mapped By: Lipman & McKay**

**Data Source: GQ-439**

**Purpose of Activity: To map the geology of this quadrangle.**

**Comments: Rock type and faults were mapped.**

**Mapping Data Report**  
**Activity Type: GEOLOGIC MAP**  
**(Sorted by Activity Type and ID)**

---

**Type of Mapping: Geologic Map**

**Activity Designation: GEO-MAP #2**

**WBS Number: 1.2.3.2**

**Work Order Number:**

**Start Date:**

**Completion Date:**

**Area(s) Covered: USGS 7 1/2' Topopah Spring NW Topographic Quadrangle**

**Surveyed (Y/N): N**

**Type of Survey:**

**Surveyor:**

**Mapped By: Christiansen & Lipman, U.S. Geological Survey**

**Data Source: GQ-444**

**Purpose of Activity: To map the geology of this quadrangle.**

**Comments: Rock type and faults were mapped.**

**Mapping Data Report**  
**Activity Type: GEOLOGIC MAP**  
**(Sorted by Activity Type and ID)**

---

**Type of Mapping: Geologic Map**

**Activity Designation: GEO-MAP #3**  
**WBS Number: 1.2.3.2**  
**Work Order Number:**

**Start Date:**

**Completion Date:**

**Area(s) Covered: USGS 7 1/2' Topopah Spring Topographic Quadrangle.**

**Surveyed (Y/N): N**

**Type of Survey:**

**Surveyor:**

**Mapped By: Orkild & O'Connor, USGS**

**Data Source: GQ-849**

**Purpose of Activity: To map the geology of this quadrangle.**

**Comments: Rock type and faults were mapped.**

**Mapping Data Report**  
**Activity Type: GEOLOGIC MAP**  
**(Sorted by Activity Type and ID)**

---

**Type of Mapping: Geologic Map**

**Activity Designation: GEO-MAP #8**  
**WBS Number: 1.2.3.2**  
**Work Order Number:**

**Start Date:**

**Completion Date:**

**Area(s) Covered: USGS 7 1/2' Striped Hills, Nevada Topographic Quadrangle**

**Surveyed (Y/N): N**

**Type of Survey:**

**Surveyor:**

**Mapped By: McKay & Burchfiel**

**Data Source: GQ-882**

**Purpose of Activity: To map the geology of this quadrangle.**

**Comments: Rock type and faults were mapped.**

**Mapping Data Report**  
**Activity Type: GEOLOGIC MAP**  
**(Sorted by Activity Type and ID)**

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**Type of Mapping: Geologic Map**

**Activity Designation: GEO-MAP #7**

**WBS Number: 1.2.3.2**

**Work Order Number:**

**Start Date:**

**Completion Date:**

**Area(s) Covered: USGS 7 1/2' Lathrop Wells, Nevada Topographic Quadrangle**

**Surveyed (Y/N): N**

**Type of Survey:**

**Surveyor:**

**Mapped By: McKay & Sargent**

**Data Source: GQ-883**

**Purpose of Activity: To map the geology of this quadrangle.**

**Comments: Rock type and faults were mapped.**

**Mapping Data Report**  
**Activity Type: GEOLOGIC MAP**  
**(Sorted by Activity Type and ID)**

---

**Type of Mapping: Geologic Map**

**Activity Designation: GEO-MAP #6**  
**WBS Number: 1.2.3.2**  
**Work Order Number:**

**Start Date:**

**Completion Date:**

**Area(s) Covered: USGS 15' Big Dune, Nevada/California Topographic Quadrangle**

**Surveyed (Y/N): N**

**Type of Survey:**

**Surveyor:**

**Mapped By: Swadley & Carr**

**Data Source: I-1767**

**Purpose of Activity: To map the geology of this quadrangle.**

**Comments: Rock type and faults were mapped.**

**Mapping Data Report**  
**Activity Type: GEOLOGIC MAP**  
**(Sorted by Activity Type and ID)**

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**Type of Mapping: Geologic Map**

**Activity Designation: GEO 1**  
**WBS Number: 1.2.3.2.1.1.G**  
**Work Order Number: DE-AI08-78ET44802**

**Start Date: 1981**

**Completion Date: 1983**

**Area(s) Covered: Yucca Mountain area from approximately 36 48' N to whatever E.**

**Surveyed (Y/N): N**

**Type of Survey:**

**Surveyor: H&N (AREA 6, NTS)**

**Mapped By: U.S. Geological Survey**

**Data Source: USGS-OFR-84-494**

**Purpose of Activity: To map the geology of the Yucca Mountain area.**

**Comments: Map includes geologic cross sections. Map is preliminary, no data as to when final map will be published.**

## Table of Contents for Document Data Sheets

### Permit Documents

#### 4.2.1 Permit Documents

- Air Corridor Agreements
- Land Access Agreements
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- Legal Descriptions (Nellis Air Force Range)

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#### 4.2.2 Contractor Reports

- Archaeological Survey Reports
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#### 4.2.8 Unpublished Data



4.2.1

Run Date: 01-apr-1988

Documents Information Report  
Document Type: AIR CORRIDOR  
Document IDs: \*  
(Sorted by Category and ID)

Type of Document: Air Corridor  
Category:

Document Number: TOD: SCR-709  
Dual Number:

Document Title, or Description: Use of R-4808 Airspace by Nellis Aircraft

Issue Date: 22-jun-1987

Expiration Date:

Issued By (if applicable): DEPARTMENT OF ENERGY (DOE)

Originator: James K. Magruder

Originating Organization: Assistant Manager of Operations

Archival Storage Location: DOE, Property Management Division,  
2753 South Highland, Las Vegas, NV  
89193-8518

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Division, DOE at the above address.

Geographical Area, or Activities, Covered by this Document: R-4808S and the southeast corner of R-4808W.

Purpose: To confirm DOE permission for use of R-4808 airspace by Nellis scheduled aircraft. (Control of the corridor is maintained by NATFC and airspace use requests outside outlined parameters are coordinated through Nellis Range Group Scheduling.)

Comments: DOE/NV reserves the right to place overflight/altitude restrictions in R-4808 when requirements dictate. This permission does not supercede the MOU between the Tactical Fighter Weapons Center and DOE (DE-AI08-82NV10283).

Run Date: 01-apr-1988

Documents Information Report  
Document Type: AIR CORRIDOR  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Air Corridor  
Category: LOA

Document Number: DOWSETT: ZLA 4.1  
Dual Number:

Document Title, or Description: Letter of Agreement

Issue Date: 27-jan-1986

Expiration Date:

Issued By (if applicable): FEDERAL AVIATION AGENCY (FAA)

Originator: Don D. Early

Air Traffic Manager, ZLA-1

Originating Organization: FAA; ZLA-1, Air Traffic Manager;  
2555 E. Ave.; Palmdale, CA 93550

Archival Storage Location: DOE, Property Management Division,  
2753 S. Highland, Las Vegas, NV  
89197-8518

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Division, at the above address.

Geographical Area, or Activities, Covered by this Document: R-4806E, R-4806W, R-4807, R-4808N, R-4808S, R-4809, Desert  
Military Operating Area, and ATC Assigned Airspace. (R-4808N  
is divided into E and W for scheduling purposes.)

Purpose: Delegate airspace, delineate procedures, define air space boundaries, and  
establish procedures and responsibility for use of the air corridors listed  
above.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: AIR CORRIDOR  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Air Corridor  
Category: MOU

Document Number: DE-A108-82NV10283  
Dual Number:

Document Title, or Description: Memorandum of Understanding (MOU)

Issue Date: 10-jun-1982

Expiration Date:

Issued By (if applicable): DEPARTMENT OF ENERGY (DOE)

Originator:

Originating Organization:

Archival Storage Location: DOE, Property Management Division,  
2753 South Highland, Las Vegas, NV  
89193-8518

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Division, DOE at the above address.

Geographical Area, or Activities, Covered by this Document: R-4808N and Pahute Mesa.

Purpose: MOU between DOE and Dept. of Air Force Tactical Air Command (TAC). Designates operational control over restricted airspace R-4808N and Pahute Mesa. Defines land-use areas. Identifies restrictions and sets forth scheduling procedures for the above areas.

Comments: CP-1 will advise Nellis Range Group Scheduling Branch of any additional restrictions on the use of these areas.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: LAND ACCESS  
Document IDs: \*  
(Sorted by Category and ID)

Type of Document: Land Access Agreement  
Category: BLM

Document Number: FCA-N5-2-2  
Dual Number: DE-GM08-82NV10302

Document Title, or Description: Cooperative Agreement

Issue Date: 07-sep-1982

Expiration Date: 05-oct-1985

Issued By (if applicable): BUREAU OF LAND MANAGEMENT

Originator:

Originating Organization: Bureau of Land Management

Archival Storage Location: Dept. of Energy, Property  
Management Branch, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Branch, DOE at the above address.

Geographical Area, or Activities, Covered by this Document: secs. 7-36, T.13S., R.48E.; secs. 1-36, T.14S., R.48E.; secs.  
7-10, 15-22, T.13S., R.49E. Amend #1: secs. 29,30,32,33,  
T.13S., R.49E. Amend #2: sec. 25, T.12S., R.49E.

Purpose: Agreement to allow DOE access to BLM Lands for the purpose of conducting  
volcanism, geologic and hydrologic characterization studies for the National  
Waste Terminal Storage Program.

Comments: This MOU was amended twice to include additional BLM lands.  
Amendment #1 issued 08/29/83, and Amendment #2 issued 12/06/84.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: LAND ACCESS\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Land Access Agreement  
Category: BLM

Document Number: FCA N57-83-1  
Dual Number:

Document Title, or Description: Cooperative Agreement

Issue Date: 10-jun-1983

Expiration Date: 31-may-1993

Issued By (if applicable): BUREAU OF LAND MANAGEMENT

Originator:

Originating Organization: Bureaus of Land Management

Archival Storage Location: Property Management Branch, Dept.  
of Energy, 2753 S. Highland, Las  
Vegas, NV

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Branch, DOE at above address.

Geographical Area, or Activities, Covered by this Document: sec. 36, T.12S., R.49E.

Purpose: Agreement to allow DOE access to lands withdrawn by the U.S. Air Force, with  
surface rights administered by the BLM, for the purpose of conducting site  
investigation and site characterization activities associated with the NNWSI  
Project.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: LAND ACCESS\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Land Access Agreement  
Category: USAF

Document Number: AT(26-1)-93  
Dual Number:

Document Title, or Description: Memorandum of Understanding

Issue Date: 01-nov-1963

Expiration Date:

Issued By (if applicable): U.S. DEPARTMENT OF THE AIR FORCE

Originator:

Originating Organization: U.S. Dept. of the Air Force

Archival Storage Location: Property Management Branch, Dept.  
of Energy, 2753 S. Highland, Las  
Vegas, NV

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Branch, DOE at the above address.

Geographical Area, or Activities, Covered by this Document: Pahute Mesa Area

Purpose: To set forth agreements between the U.S. Dept of the Air Force, Nellis AFB and the U.S. Atomic Energy Commission (now the U.S. Dept. of Energy) for the co-use of the Pahute Mesa Area located on public lands withdrawn by the U.S. Air Force to facilitate DOE operations at the NTS.

Comments: This document also provides mutually agreeable procedures for overflights of air corridors R-4808 and R-4809 by aircraft under control or supervision of the Commander, NAFB. This document has an Open expiration date.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: LAND ACCESS\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Land Access Agreement  
Category: USAF

Document Number: DACA09-4-80-332  
Dual Number:

Document Title, or Description: Permit To Use Property

Issue Date: 14-feb-1980

Expiration Date: 13-feb-1983

Issued By (if applicable): U.S. DEPT. OF THE AIR FORCE

Originator:

Originating Organization: U.S. Dept. of the Air Force

Archival Storage Location: Property Management Branch, Dept.  
of Energy, 2753 S. Highland, Las  
Vegas, NV

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Branch, DOE at the above address.

Geographical Area, or Activities, Covered by this Document: Secs. 10-15, 22-27, and 33-36, T. 12S., R. 49E.

Purpose: Agreement between DOE and the Air Force to allow the DOE access to utilize portions of public lands withdrawn by the U.S. Dept. of the Air Force for core drilling investigations associated with the NNWSI Project.

Comments: This agreement was amended 5 times. Amendments 1,3,4, and 5 extended the expiration date, and Amendment 2 added two additional conditions to the agreement.



Run Date: 01-apr-1988

Documents Information Report  
Document Type: LAND ACCESS\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Land Access Agreement  
Category: USAF

Document Number: DACA09-4-84-273  
Dual Number:

Document Title, or Description: Permit to Use Property

Issue Date: 18-aug-1984

Expiration Date: 17-aug-1989

Issued By (if applicable): U.S. DEPARTMENT OF THE AIR FORCE

Originator:

Originating Organization: U.S. Dept. of the Air Force

Archival Storage Location: Property Management Branch, Dept.  
of Energy, 2753 S. Highland, Las  
Vegas, NV

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Branch, DOE at the above address.

Geographical Area, or Activities, Covered by this Document: T. 8S., R. 46E.; T. 2S., R. 46E.; T. 3S., R. 50E.; T. 6S., R. 53E.; and, T. 13S., R. 54E.

Purpose: Agreement between DOE and the Air Force to allow the DOE the right of ingress and egress to public lands withdrawn by the U.S. Dept. of the Air Force for the purpose of establishing 5 portable seismic stations of 15-20 square feet each.

Comments: This agreement supercedes permit No. DAC A09-4-79-431.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: LAND WITHDRAWAL\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Land Withdrawal  
Category: NTS

Document Number: PLO 1662  
Dual Number:

Document Title, or Description: Public Land Order 1662

Issue Date: 20-jun-1958

Expiration Date:

Issued By (if applicable): DEPARTMENT OF INTERIOR

Originator: Roger Ernst, Assistant Secretary of the Interior

Originating Organization: Department of Interior, Bureau of  
Land Management

Archival Storage Location: Property Management Branch, Dept.  
of Energy, 2753 S. Highland, Las  
Vegas, NV.

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Branch, DOE at the above address.

Geographical Area, or Activities, Covered by this Document: Secs. 1-4, 9-16, 21-28, and 33-36 T. 8S., R. 54E., and T. 8S.,  
R. 55E.

Purpose: Withdraw public lands for use of the U.S. Atomic Energy Commission (now  
administered by the U.S. Dept. of Energy) for use in connection with weapons  
testing at the Nevada Test Site. These lands are in addition to those  
withdrawn by PLO No. 805.

Comments: This document has an Open expiration date.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: LAND WITHDRAWAL\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Land Withdrawal  
Category: NTS

Document Number: PLO 2568  
Dual Number:

Document Title, or Description: Public Land Order No. 2568

Issue Date: 19-dec-1961

Expiration Date:

Issued By (if applicable): DEPARTMENT OF INTERIOR

Originator: John A. Carver, Jr., Assistant Secretary of Interior

Originating Organization: Dept. of Interior, Bureau of Land  
Management

Archival Storage Location: Property Management Branch, Dept.  
of Energy, 2753 S. Highland, Las  
Vegas, NV

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Branch, DOE at the above address.

Geographical Area, or Activities, Covered by this Document: Those lands that are now known as Area 400 of the Nevada Test  
Site. (Area 400 makes up the western half of the NTS.)

Purpose: Transfer public land withdrawn for the U.S. Dept. of the Air Force to the U.S.  
Atomic Energy Commission (now administered by the U.S. Dept. of Energy) for  
use in conjunction with weapons testing at the Nevada Test Site.

Comments: This document has an Open expiration date.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: LAND WITHDRAWAL\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Land Withdrawal  
Category: NTS

Document Number: PLO 3759  
Dual Number:

Document Title, or Description: Public Land Order No. 3759

Issue Date: 03-aug-1987

Expiration Date:

Issued By (if applicable): DEPARTMENT OF INTERIOR

Originator: Harry Anderson, Assistant Secretary of Interior

Originating Organization: U.S. Dept. of Interior, Bureau of  
Land Management

Archival Storage Location: Property Management Branch, Dept.  
of Energy, 2753 S. Highland, Las  
Vegas, NV.

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Branch, DOE at the above address.

Geographical Area, or Activities, Covered by this Document: Camp Desert Rock Area of the Nevada Test Site.

Purpose: Withdraw public lands for use of the U.S. Atomic Energy Commission (now  
administered by the U.S. Dept. of Energy) for use in connection with weapons  
testing at the Nevada Test Site.

Comments: This document has an Open expiration date.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: LAND WITHDRAWAL\*  
Document IDs: \*  
(Sorted by Category and ID)

Type of Document: Land Withdrawal  
Category: NTS

Document Number: PLO 805  
Dual Number:

Document Title, or Description: Public Land Order No. 805

Issue Date: 12-feb-1952

Expiration Date:

Issued By (if applicable): DEPARTMENT OF INTERIOR

Originator: Dale E. Doty, Acting Secretary of the Interior

Originating Organization: Department of Interior, Bureau of  
Land Management

Archival Storage Location: Property Management Branch, Dept.  
of Energy, 2753 S. Highland, Las  
Vegas, NV

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Branch, Dept. of Energy at the above  
address.

Geographical Area, or Activities, Covered by this Document: The corner coordinates are: NE-N911554.32/E714867.37;  
SE-N702878.12/E716857.43; SW-N700181.12/E629705.21;  
NW-N911554.32/E629705.21. Also, secs. 2,3,10,11 T. 15S, R.  
53E.

Purpose: Withdraw public lands for use of the U.S. Atomic Energy Commission (now  
administered by the U.S. Dept of Energy) as a weapons testing site. This site  
is now known as the Nevada Test Site.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: LEGAL DESCRIPTION  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Legal Description  
Category: NAFR

Document Number: 4310-HC 700154  
Dual Number: NV-943-07-4220-10

Document Title, or Description: Legal Description of Nellis Air Force Range Withdrawal; Nevada

Issue Date: 06-nov-1986

Expiration Date:

Issued By (if applicable): DEPARTMENT OF INTERIOR

Originator:

Originating Organization: Dept. of Interior, Bureau of Land  
Management

Archival Storage Location: Property Management Branch, Dept.  
of Energy, 2753 S. Highland, Las  
Vegas, NV

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Branch, DOE at the above adress.

Geographical Area, or Activities, Covered by this Document: Nellis Air Force Range, Nevada

Purpose: This notice provides official publication of the legal description of the  
Nellis Air Force Range withdrawal in Nevada as required by Sec. 2(a) of  
Public Law 99-606 enacted November 6, 1986.

Comments: Expiration date for this document is not applicable.

4.2.2

Run Date: 01-apr-1988

Documents Information Report  
Document Type: CONTRACTOR REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Contractor Report  
Category: Archaeological Survey

Document Number: DRI-SSC TECH RPT #28  
Dual Number:

Document Title, or Description: An Archaeological Reconnaissance of the NNWSI Yucca Mountain Project Area,  
Southern Nye County, NV.

Issue Date: 31-dec-1982

Expiration Date:

Issued By (if applicable): DESERT RESEARCH INSTITUTE

Originator: Lonnie C. Pippin, Robert L. Clerico, and Ronald L. Reno

Originating Organization: Desert Research Institute - Social  
Sciences Center (DRI-SSC)

Archival Storage Location: Desert Research Institute, 2505  
Chandler Ave., Las Vegas, NV

Procedure to Acquire/Examine Document: Contact DRI at the above address.

Geographical Area, or Activities, Covered by this Document: NNWSI Yucca Mountain Project Study Area. Archaeological  
Survey AS82 RECON.

Purpose: To describe the Project Area. List the methods and procedures used. Present  
the results of the survey, evaluate the potential for adverse impacts, and  
recommend mitigation measures.

Comments: This survey was conducted following an overview of previous  
archaeological research around the NTS area (Pippin and Zerga, 1981).



Run Date: 01-apr-1988

Documents Information Report  
Document Type: CONTRACTOR REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Contractor Report  
Category: Archaeological Survey

Document Number: DRI-SSC TECH RPT #40  
Dual Number:

Document Title, or Description: Limited Test Excavation at Selected Archaeological Sites in the NNWSI Yucca Mountain Project Area, Southern Nye County, Nevada

Issue Date: 31-jul-1984

Expiration Date:

Issued By (if applicable): DESERT RESEARCH INSTITUTE

Originator: Lonnie C. Pippin, Principal Investigator

Originating Organization: Desert Research Institute - Social  
Sciences Center(DRI-SSC)

Archival Storage Location: Desert Research Institute, 2505  
Chandler Ave., Las Vegas, NV

Procedure to Acquire/Examine Document: Contact Desert Research Institute at the above address.

Geographical Area, or Activities, Covered by this Document: The 4,368 ha (10,793 ac) area defined by DRI as the NNWSI Yucca Mountain Project Area. This survey is designated as Atlas activity AS82 EXCAV.

Purpose: To document the methods and procedures used in the survey, to summarize characteristics of the sites, and to present an analysis of the material culture

Comments: The survey supported the conclusion that three general adaptive strategies were represented by the prehistoric cultural resources of Yucca Mtn.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: CONTRACTOR REPORT  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Contractor Report  
Category: Biological Survey

Document Number: EGG 10282-2004  
Dual Number:

Document Title, or Description: 1982 Biotic Survey of Yucca Mountain, Nevada Test Site, Nye County, Nevada

Issue Date: 28-feb-1983

Expiration Date:

Issued By (if applicable): EG&G

Originator: T. P. O'Farrell and E. Collins

Originating Organization: EG&G Energy Measurements, Santa  
Barbara Operations

Archival Storage Location: EG&G, Santa Barbara Operations, 130  
Robin Hill Rd., Goleta, CA 93117

Procedure to Acquire/Examine Document: Req from EG&G, or Nat'l Technical Information Service, US Dept of Commerce, 5285  
Port Royal Rd., Springfield, VA 22161

Geographical Area, or Activities, Covered by this Document: Biological Survey: BS82 PCS; BS82 SMT; BS82 IAS; BS82 VER; and  
BS82 VEG

Purpose: Document results of biologic studies conducted during 1982.

Comments: Activities included: an impact analysis study, preconstruction  
surveys, small mammal trapping, a vegetation survey, and a vertebrate  
(fauna) survey.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: CONTRACTOR REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Contractor Report  
Category: Biological Survey

Document Number: EGG 10282-2031  
Dual Number:

Document Title, or Description: 1983 Biotic Studies of Yucca Mountain, Nevada Test Site, Nye County, Nevada

Issue Date: 30-apr-1984

Expiration Date:

Issued By (if applicable): EG&G ENERGY MEASUREMENTS

Originator: T. P. O'Farrell and E. Collins

Originating Organization: EG&G Energy Measurements, Santa  
Barbara Operations

Archival Storage Location: EG&G Santa Barbara Operations, 130  
Robin Hill Rd., Goleta, CA 93117

Procedure to Acquire/Examine Document: EG&G or Nat'l Technical Information Service, US Dept. of Commerce, 5285 Port  
Royal Rd., Springfield, VA 22161

Geographical Area, or Activities, Covered by this Document: Yucca Mtn., Nevada Test Site, Nye County, Biological Survey:  
BS83 PCS; BS83 SMT; BS83 DTS; BS83 VEG

Purpose: To document biological studies that were conducted during 1983.

Comments: Activities conducted consisted of: small mammal trapping,  
preconstruction surveys, vegetation surveys and mapping, and Desert  
Tortoise surveys.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: CONTRACTOR REPORT  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Contractor Report  
Category: Biological Survey

Document Number: EGG 10282-2057  
Dual Number:

Document Title, or Description: 1984 Biotic Studies of Yucca Mountain, Nevada Test Site, Nye County, Nevada

Issue Date: 28-feb-1985

Expiration Date:

Issued By (if applicable): EG&G ENERGY MEASUREMENTS

Originator: E. Collins and T. P. O'Farrell.

Originating Organization: EG&G Energy Measurements, Santa  
Barbara Operations

Archival Storage Location: EG&G Santa Barbara Operations, 130  
Robin Hill Rd., Goleta, CA 93117

Procedure to Acquire/Examine Document: EG&G or Natl Technical Information Service, US Dept. of Commerce, 5285 Port  
Royal Rd., Springfield, VA 22161

Geographical Area, or Activities, Covered by this Document: Yucca Mountain, Nevada Test Site, Nye County, Nevada: BS84  
SMT; BS84 DOS; BS84 DTS; BS84 PCS

Purpose: To document biological studies that were conducted during 1984.

Comments: Activities that were conducted consisted of: dosimetry monitoring,  
desert tortoise surveys, preconstruction surveys, and small mammal  
trapping.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: CONTRACTOR REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Contractor Report  
Category: Geophysical Tomography

Document Number: UCLD-20289  
Dual Number:

Document Title, or Description: Preliminary Evaluation of Alterant Geophysical Tomography in Welded Tuff

Issue Date: 31-dec-1984

Expiration Date:

Issued By (if applicable): LAWRENCE LIVERMORE NATIONAL LAB

Originator: A. L. Ramirez

Originating Organization: Lawrence Livermore National Lab

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Contact Storage Location

Geographical Area, or Activities, Covered by this Document: G-Tunnel, NTS. Atlas activity G-Tunnel-2.

Purpose:

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: CONTRACTOR REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Contractor Report  
Category: Geophysical Tomography

Document Number: UCRL-92229  
Dual Number:

Document Title, or Description: Preliminary Evaluation of Alterant Geophysical Tomography in Welded Tuff

Issue Date: 28-feb-1984

Expiration Date:

Issued By (if applicable): LAWRENCE LIVERMORE NATIONAL LAB

Originator: A. L. Ramirez

Originating Organization: Lawrence Livermore National Lab

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Contact Storage Location

Geographical Area, or Activities, Covered by this Document: G-Tunnel, NTS. Atlas activity G-Tunnel-3.

Purpose:

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: CONTRACTOR REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Contractor Report  
Category: Rock Properties

Document Number: SAND 86-1015  
Dual Number:

Document Title, or Description: Summary of Geomechanical Measurements in and around the G-Tunnel Underground Facility, NTS

Issue Date: 31-may-1987

Expiration Date:

Issued By (if applicable): SANDIA

Originator: R. M. Zimmerman

Originating Organization: Sandia

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Contact Storage Location

Geographical Area, or Activities, Covered by this Document: G-Tunnel, NTS. Atlas activity G-Tunnel-1.

Purpose: Summarizes previous reports

Comments:

Run Date: 08-apr-1988

Documents Information Report  
Document Type: \*  
Document IDs: NWPO-TR-006-87  
(Sorted by Category and ID)

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Type of Document: Contractor Report  
Category: Water Resources Center, Desert  
Research Institute

Document Number: NWPO-TR-006-87  
Dual Number: DE-FG08-85-NV10461

Document Title, or Description: Chemistry of Groundwater in Tuffaceous Rocks in Central Nevada

Issue Date: 31-jan-1987

Expiration Date:

Issued By (if applicable): WATER RESOURCES CENTER, DRI

Originator: S.L. Raker & R.L. Jacobsen

Originating Organization: Desert Research Institute

Archival Storage Location: Water Resources Center, Desert  
Research Institute, Reno, NV

Procedure to Acquire/Examine Document: Inquire above

Geographical Area, or Activities, Covered by this Document: Central Nevada. Atlas activity number H&N SPG-1

Purpose: To describe the reactions and mechanisms controlling the water chemistry and  
mineral stability in a tuffaceous hydrologic environment along theoretical  
flow paths.

Comments:



Run Date: 01-apr-1988

Documents Information Report  
Document Type: CONTRACTOR REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Contractor Report  
Category: Socioeconomic Survey

Document Number: DOE/NV/10270-12  
Dual Number:

Document Title, or Description: Population Densities Along Nevada Transportation Routes

Issue Date: 30-apr-1987

Expiration Date:

Issued By (if applicable): SAIC

Originator:

Originating Organization: SAIC

Archival Storage Location: SAIC, 101 Convention Center Drive,  
Las Vegas, NV

Procedure to Acquire/Examine Document: Inquire at SAIC

Geographical Area, or Activities, Covered by this Document: Socioeconomic demographic survey SS86 DEM, Nevada  
transportation routes and railroad routes: Interstate 15,  
Interstate 80, U.S. Hwy 95, SR 373, and Union Pacific Railroad

Purpose:

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: CONTRACTOR REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Contractor Report  
Category: Socioeconomic Survey

Document Number: SAND84-7201  
Dual Number:

Document Title, or Description: Nevada Nuclear Waste Storage Investigations: Socioeconomic Impacts of  
Constructing a High-Level Waste Repository at Yucca Mountain

Issue Date: 31-dec-1984

Expiration Date:

Issued By (if applicable): SANDIA NATIONAL LABORATORIES

Originator: Stephen McBrien and Laura Jones, The MITRE Corporation

Originating Organization: Sandia National Laboratories

Archival Storage Location: DOE/NT Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Contact DOE/NT Technical Library

Geographical Area, or Activities, Covered by this Document: Socioeconomic impact analysis survey SS84 IMP, which covered  
Southern Nevada.

Purpose: To present a detailed data base on which future socioeconomic analyses of this  
area can be based

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: CONTRACTOR REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Contractor Report  
Category: Spent Fuel Tests

Document Number: UCRL-53702  
Dual Number:

Document Title, or Description: Spent Fuel Tests - Climax: An Evaluation of the Technical Feasibility of  
Geologic Storage of Spent Nuclear Fuel in Granite

Issue Date: 30-mar-1988

Expiration Date:

Issued By (if applicable): LAWRENCE LIVERMORE NATIONAL LABS

Originator: W. C. Patrick

Originating Organization: Lawrence Livermore National Labs

Archival Storage Location: DOE/NV Technical Library, Las  
Vegas, NV

Procedure to Acquire/Examine Document: Contact Storage Location

Geographical Area, or Activities, Covered by this Document: Climax - NTS. Atlas activity Climax-1.

Purpose: Summarizes spent fuel test at Climax

Comments:

4.2.3

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Hole History  
Category:

Document Number: ATLAS #3  
Dual Number:

Document Title, or Description: F&S NTS Drilling and Mining Summary

Issue Date: 31-dec-1986

Expiration Date:

Issued By (if applicable): N/A

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S Administrative Office, Building  
102, Mercury, NV

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: 202 drillholes associated with the NMWSI Drilling Program.  
Drillholes are located in areas 25, 29, 30, and 5 of the NTS;  
and on BLM lands west of the NTS.

Purpose: Provide drilling record.

Comments: The source of this document is the F&S Red Book listing.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Hole History  
Category:

Document Number: ATLAS #4  
Dual Number:

Document Title, or Description: F&S NNWSI Holes, 9-20-86

Issue Date: 20-sep-1986

Expiration Date:

Issued By (if applicable): N/A

Originator: Lynn Fielding, Technical Writer

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S Administrative Office, Building  
102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact Lynn Fielding at above address.

Geographical Area, or Activities, Covered by this Document: 196 drillholes associated with the NNWSI Drilling Program.  
Drillholes are located in areas 5, 25, 26, 29, and 30 of the  
NTS; and on BLM lands west of the NTS.

Purpose: Document hole history.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-10  
Dual Number:

Document Title, or Description: MNWSI Hole Histories

Issue Date: 30-nov-1986

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S, Administrative Office,  
Building 102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: Drillholes: UE-25 WT#3, UE-25WT#4, UE-25 WT#5, UE-25 WT#6,  
UE-25 WT#12, UE-25 WT#13, UE-25WT#14, UE-25 WT#15, UE-25  
WT#16, UE-25 WT#18, USW WT-1, -2, -7, -10, and -11.

Purpose: Document drillhole histories.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-11  
Dual Number:

Document Title, or Description: MNWSI Hole Histories

Issue Date: 30-nov-1986

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S, Administrative Office,  
Building 102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: Drillholes: UE-25 RF#1, UE-25 RF#2, UE-25 RF#3, UE-25 RF#3B,  
UE-25 RF#4, UE-25 RF#5, UE-25 RF#7, UE-25 RF#7A, UE-25 RF#8,  
UE-25 RF#9, UE-25 RF#10, and UE-25 RF#11.

Purpose: Document hole histories.

Comments:



Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-12  
Dual Number:

Document Title, or Description: NNWSI Hole Histories

Issue Date: 30-nov-1986

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S, Administrative Office,  
Building 102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: Drillholes: UE-29a#1 & UE-29a#2

Purpose: Document hole histories.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-13  
Dual Number:

Document Title, or Description: MNWSI Hole Histories

Issue Date: 30-nov-1986

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S, Administrative Office,  
Building 102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: Drillhole UE-25b#1

Purpose: Document hole history.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-14  
Dual Number:

Document Title, or Description: NMWSI Hole Histories

Issue Date: 30-nov-1986

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S, Administrative Office,  
Building 102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: Drillholes: UE-25c#1, UE-25c#2, & UE-25c#3

Purpose: Document hole histories.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-15  
Dual Number:

Document Title, or Description: NMWSI Hole Histories

Issue Date: 31-dec-1986

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S administrative Office, Building  
102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: Drillhole UE-25h#1

Purpose: Document drillhole history.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-16  
Dual Number:

Document Title, or Description: NNWSI Hole Histories

Issue Date: 30-nov-1986

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S, Administrative Office,  
Building 102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: Drillhole UE-25p#1

Purpose: Document hole history.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-17  
Dual Number:

Document Title, or Description: NNWSI Hole Histories

Issue Date: 31-dec-1986

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S, Administrative Office,  
Building 102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: Drillholes: USW VH-1 & USW VH-2

Purpose: Document hole history.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-18  
Dual Number:

Document Title, or Description: NMWSI Hole Histories

Issue Date: 30-jun-1987

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc (F&S)

Archival Storage Location: F&S Administrative Office, Building  
102, Mercury, NV

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: Drillholes: USW H-1, USW H-3, USW H-4, USW H-5, and USW H-6

Purpose: To document hole histories.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-19  
Dual Number:

Document Title, or Description: MNWSI Hole Histories

Issue Date: 30-jun-1987

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S Administrative Office, Building  
102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: Geologic exploratory drillholes: USW G-1, USWG-2, USW G-3,  
USW G-4, USW GA-1, and USW GU-3.

Purpose: document hole histories.

Comments: This document is in Draft form, and is pending release to DOE.



Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-20  
Dual Number:

Document Title, or Description: NNWSI Hole Histories

Issue Date: 30-apr-1987

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S Administrative Office, Building  
102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: Unsaturated zone drillholes: UE-25 UZ #4, UE-25 UZ #5, USW  
UZ-1, USW UZ-6, USW UZ-6S, USW UZ-7, USW UZ-8, and USW UZ-13.

Purpose: Document hole histories.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-21  
Dual Number:

Document Title, or Description: F&S NNWSI Drilling & Mining Summary, Draft

Issue Date: 31-jul-1987

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S Administrative Office, Building  
102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: All 74 unsaturated zone neutron access holes drilled prior to  
05/28/86, plus neutron calibration holes UE-25 UZNC #1 and #2.

Purpose: Document hole histories.

Comments: This document is in Draft form, and is pending release to DOE.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-25  
Dual Number:

Document Title, or Description: F&S NMWSI Drilling & Mining Summary, Draft

Issue Date: 31-jul-1987

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc.

Archival Storage Location: F&S Administrative Office, Building  
102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: Seismic drillholes: U-5 Seismic #1 & #2, U-25 Seismic #1 through #24, U-26 Seismic #1, U-26 Seismic #1, U-30 Seismic #1 & #2; and Seismic line holes: US-25 #1 through #21.

Purpose: Document hole histories.

Comments: This document is in Draft form, and is pending release to DOE.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: HOLE HISTORY\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Hole History  
Category:

Document Number: DOE/NV/10322-9  
Dual Number:

Document Title, or Description: NNWSI Hole Histories

Issue Date: 30-nov-1986

Expiration Date:

Issued By (if applicable): DOE

Originator: Jerry Covington, Chief, CEP & Reports Section

Originating Organization: Fenix & Scisson, Inc. (F&S)

Archival Storage Location: F&S, Administrative Office,  
Building 102, Mercury, NV 89023

Procedure to Acquire/Examine Document: Contact the Chief, CEP & Reports Section, F&S at the above address.

Geographical Area, or Activities, Covered by this Document: Drillholes: UE-25a#1, UE-25a#3, UE-25a#4, UE-25a#5, UE-25a#6,  
and UE-25a#7

Purpose: Document hole histories.

Comments:

41.24

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

Type of Document: Open File Report  
Category: Uranium Series Dating

Document Number: USGS-OFR-81-119  
Dual Number:

Document Title, or Description: Uranium-Thorium Dating of Quaternary Carbonate Accumulations in the Nevada Test Site Region, Southern Nevada

Issue Date: 31-dec-1981

Expiration Date:

Issued By (if applicable): USGS

Originator: B. Szabo, W. Carr, W. Gottschall

Originating Organization: U.S. Geological Survey

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Inquire at above address.

Geographical Area, or Activities, Covered by this Document: 24 sampling locations in the Yucca Mtn vicinity east to Rock Valley, and Highway 95 north to Oak Spring Butte. Designated as Atlas activity H&N USD-2.

Purpose:

Comments: Survey consisted of 24 sampling sites from within the above described area. See map for individual sample locations.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Magnetometric Survey

Document Number: USGS-OFR-82-401  
Dual Number:

Document Title, or Description: Magnetometric Resistivity Survey Near Fortymile Wash, Nevada Test Site, Nevada

Issue Date: 31-dec-1984

Expiration Date:

Issued By (if applicable): USGS

Originator: David V. Fitterman

Originating Organization: U.S. Geological Survey

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Contact DOE/NV Technical Library

Geographical Area, or Activities, Covered by this Document: Magnetometric Resistivity survey lines NTS-1 & NTS-2 in  
Fortymile Wash.

Purpose:

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Magnetotelluric Survey

Document Number: USGS-OFR-82-465  
Dual Number:

Document Title, or Description: Remote-Reference Magnetotelluric Survey Nevada Test Site and Vicinity, Nevada  
and California

Issue Date: 31-dec-1982

Expiration Date:

Issued By (if applicable): USGS

Originator: Robert B. Furgerson

Originating Organization: U.S. Geological Survey

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Contact DOE/NV Technical Library

Geographical Area, or Activities, Covered by this Document: Magnetotelluric survey H&N MT 80-1; which includes MT  
stations: U011, U012, U013, U014, U016, U017, U018, U019,  
U020, U021, U022, U023, U024, U025, and U026.

Purpose: To present interpretive results of the MT station survey data.

Comments:



Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Seismic Refraction

Document Number: USGS-OFR-82-478  
Dual Number:

Document Title, or Description: Reconnaissance Seismic Refraction Studies at Calico Hills, Wahmonie, and Yucca Mountain Southwest Nevada Test Site, Nye County, Nevada

Issue Date: 31-dec-1982

Expiration Date:

Issued By (if applicable): USGS

Originator: L.W. Pankratz

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, Nevada

Procedure to Acquire/Examine Document: Inquire at above location

Geographical Area, or Activities, Covered by this Document: Seismic reflection Surveys: Yucca Mountain - spreads Yucca-A, Yucca-2B, & Yucca-C; Calico Hills - Calico spread; and Wahmonie - spreads South and East.

Purpose: To document seismic refraction experiments conducted in the Southwest Quadrant of the NTS to evaluate three areas as possible nuclear waste repository sites.

Comments: Document discusses results of similar refraction surveys conducted at Calico Hills and Wahmonie, in addition to Yucca Mountain.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Gravity Survey plus Map

Document Number: USGS-OFR-82-701  
Dual Number:

Document Title, or Description: Preliminary Results of Gravity Investigations at Yucca Mtn and Vicinity,  
Southern Nye County, NV

Issue Date: 31-dec-1982

Expiration Date:

Issued By (if applicable): USGS

Originator: D. B. Snyder, W. J. Carr.

Originating Organization: USGS, Menlo Park, California

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Contact DOE/NV Technical Library

Geographical Area, or Activities, Covered by this Document: Includes data from 1,357 gravity stations located in the  
vicinity of Yucca Mountain. Designated as Atlas Activity H&N  
GS 80-1.

Purpose:

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Gravity Stations

Document Number: USGS-OFR-82-1041  
Dual Number:

Document Title, or Description: Principal Facts of Gravity Stations With Gravity and Magnetic Profiles from the Southwest Nevada Test Site, Nye County, Nevada, as of January, 1982

Issue Date: 31-jan-1982

Expiration Date:

Issued By (if applicable): USGS

Originator: P. E. Jansma, D. B. Snyder, and D. A. Ponce.

Originating Organization: U.S. Geological Survey

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Contact DOE/NV Technical Library

Geographical Area, or Activities, Covered by this Document: All 2,604 gravity stations located in the Southwest Quadrant of the Nevada Test Site as of January, 1982.

Purpose: Compile results of earlier gravity surveys and results of additional surveys implemented as a result of exploration for a nuclear repository near Yucca Mt.

Comments: Study results and map are preliminary.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Resistivity Survey

Document Number: USGS-OFR-82-1043  
Dual Number:

Document Title, or Description: Resistivity Sounding Investigation by the Schlumberger Method in the Yucca Mtn  
and Jackass Flats Area, NTS, NV

Issue Date: 31-dec-1982

Expiration Date:

Issued By (if applicable): USGS

Originator: R. Senterfit, D. Hoover, M. Chorneck

Originating Organization: U.S. Geological Survey

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: See above.

Geographical Area, or Activities, Covered by this Document: Resistivity Survey designated as Atlas activity H&N RS-2  
conducted at Yucca Mtn and Jackass Flats; also, Schlumberger  
Sounding locations: YM1, YM2, YM3, 24-27, 29-45, 47-50

Purpose:

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Paleoclimate Survey

Document Number: USGS-OFR-83-535  
Dual Number:

Document Title, or Description: Vegetation and Climates of the Last 45,000 Years in the Vicinity of the Nevada Test Site, South-Central Nevada.

Issue Date: 31-jan-1983

Expiration Date:

Issued By (if applicable): USGS

Originator: W. Geoffrey Spaulding, Univ. of Washington.

Originating Organization: U.S. Geological Survey

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Contact DOE/NV Technical Library

Geographical Area, or Activities, Covered by this Document: Nevada Test Site area; covered by paleoclimatic survey designated as H&N PCS-2.

Purpose:

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Seismic Refraction

Document Number: USGS-OFR-83-588  
Dual Number: T187 008468

Document Title, or Description: A Seismic Study of Yucca Mountain and Vicinity, Southern Nevada. Data Report  
and Preliminary Results.

Issue Date:

Expiration Date:

Issued By (if applicable): U.S. GEOLOGICAL SURVEY (USGS)

Originator: Lynn R. Hoffman and Walter D. Mooney

Originating Organization: U.S. Geological Survey

Archival Storage Location: Dept. of Energy, Property  
Management Branch, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Contact the Chief, Property Management Branch, DOE at the above address.

Geographical Area, or Activities, Covered by this Document: Seismic refraction surveys: SP-1, SP-2, SP-3, and SP-4.

Purpose: To present data recovered from four separate seismic refraction surveys  
conducted in the vicinity of Yucca Mountain during the early 1980's.

Comments: This report was published in 1984.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Trenches

Document Number: USGS-OFR-83-608  
Dual Number:

Document Title, or Description: Geology of Faults Exposed in Trenches in Crater Flat, Nye County, NV.

Issue Date: 31-dec-1983

Expiration Date:

Issued By (if applicable): USGS

Originator: W. C. Swadley & D. L. Hoover

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: DOE/NV Technical Library, 2753  
Highland, Las Vegas, NV.

Procedure to Acquire/Examine Document: Inquire at above location

Geographical Area, or Activities, Covered by this Document: Trenches CF-1, CF-2 and CF-3 located along the eastern edge of  
Crater Flat.

Purpose: To give information gained from trenching across two Quaternary Faults in the  
area of Crater Flat.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Seismic Monitoring

Document Number: USGS-OFR-83-669  
Dual Number:

Document Title, or Description: Southern Great Basin Seismological Data Report for 1981 and Preliminary Data Analysis

Issue Date: 31-jan-1983

Expiration Date:

Issued By (if applicable): USGS

Originator: A. M. Rogers, S. C. Harmsen, W. J. Carr, W. Spence.

Originating Organization: USGS

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Contact DOE/NV Technical Library

Geographical Area, or Activities, Covered by this Document: The Southern Great Basin Seismic Network monitoring stations that are within a 160 km radius of NTS, designated as Atlas activity SGBSN.

Purpose: Data report.

Comments:



Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Seismic Reflection

Document Number: USGS-OFR-83-912  
Dual Number:

Document Title, or Description: An Evaluation of Seismic Reflection Studies in the Yucca Mountain Area, Nevada  
Test Site

Issue Date: 31-dec-1983

Expiration Date:

Issued By (if applicable): USGS

Originator: Thomas F. McGovern, Subsurface, Inc.

Originating Organization: USGS, Denver, CO

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Contact DOE/NV Technical Library

Geographical Area, or Activities, Covered by this Document: Yucca Mountain Southwest Quadrant. Seismic reflection  
surveys: BW, CSM, W-4, S-4, S-2 and G-2

Purpose: To present a comprehensive analysis of the seismic reflection work performed  
at Yucca Mountain.

Comments: This report states that "It is conclusive that useful seismic  
reflection data cannot be acquired in this area even using the  
elaborate techniques outlined in this report."

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Magnetic Survey

Document Number: USGS-OFR-84-120  
Dual Number:

Document Title, or Description: Interpretations of Magnetic Anomalies at a Potential Repository Site Located in  
Yucca Mtn area N.T.S.

Issue Date:

Expiration Date:

Issued By (if applicable): USGS

Originator: G.D. Bath & C.E. Jähren

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: DOE/NV, Technical library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Inquire at above address

Geographical Area, or Activities, Covered by this Document: Activities covered by this document include: aeromagnetic surveys 1980 IGRF and 1977 IGRF; and magnetic survey ground traverses A79, B79; H82, I82, J82; and E67.

Purpose: To evaluate results of air and ground magnetic surveys in order to provide structural information at and near the potential site for storage of radioactive waste at Yucca Mountain.

Comments: The methods used to study fault anomalies near Yucca Mountain were developed at the Yucca Fault in Yucca Flat where only two anomaly-producing units are present in the subsurface. Ground traverse E67, plus aeromagnetic surveys were used to investigate this anomaly.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Geologic Map

Document Number: USGS-OFR-84-494  
Dual Number:

Document Title, or Description: Preliminary Geologic Map of Yucca Mountain, Nye County, NV, with Geologic Cross Sections

Issue Date: 31-dec-1984

Expiration Date:

Issued By (if applicable): U.S. GEOLOGICAL SURVEY

Originator: Robert B. Scott, Jerry Bonk

Originating Organization: U.S. Geological Survey

Archival Storage Location: Robert Scott, USGS, Denver Federal Center, Denver, Colorado

Procedure to Acquire/Examine Document: Contact Storage Location

Geographical Area, or Activities, Covered by this Document: Geologic Map designated as Atlas activity Geo 1, which covers the Yucca Mountain area.

Purpose: To produce a geologic map of the Yucca Mountain area, which is a proposed site for a nuclear waste repository.

Comments: Map is preliminary with no date as to when final map will be published.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Magnetic Survey

Document Number: USGS-OFR-85-459  
Dual Number:

Document Title, or Description: Investigation of an Aeromagnetic Anomaly on West Side of Yucca Mtn, Nye County  
Nv.

Issue Date: 31-dec-1985

Expiration Date:

Issued By (if applicable): USGS

Originator: G. D. Bath & C. E. Jähren

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Inquire above

Geographical Area, or Activities, Covered by this Document: West side of Yucca Mt., and a magnetic survey which included  
ground traverses A82, A83, B83, & C83.

Purpose: To present 1982 & 1983 measurements of ground magnetic anomalies that were  
conducted to locate the position of the 290 nT anomaly, and to investigate the  
effects of magnetic geologic structures that could produce the anomaly

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Trenches

Document Number: USGS-OFR-84-788  
Dual Number:

Document Title, or Description: Preliminary Report on Late Cenozoic Faulting and Stratigraphy in the Vicinity of  
Yucca Mountain, Nye County, NV

Issue Date:

Expiration Date:

Issued By (if applicable): USGS

Originator: W.C. Swadley, D.L. Hoover, and J.N. Rosholt

Originating Organization: U.S. Geological Survey

Archival Storage Location: USGS, Denver Federal Center,  
Denver, CO

Procedure to Acquire/Examine Document: Contact the Open File Services Section, Branch of Distribution, USGS, Box 25425,  
Federal Center, Denver, CO 80225

Geographical Area, or Activities, Covered by this Document: Trenches: A-1, A-2, 2, 4, 6, 9, 10-A, 10-B, 11, 12, 13, 14,  
16, 16-B, 17, CF-1, CF-2, and CF-3.

Purpose: To provide a preliminary analysis of trenches, which were excavated in order  
to conduct investigations of Late Cenozoic faulting and stratigraphy in the  
Yucca Mountain area.

Comments: This Open File Report was published during 1984.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Uranium Series Dating

Document Number: USGS-OFR-85-47  
Dual Number:

Document Title, or Description: Uranium Series Dating of secondary carbonate and silica precipitates relating to fault movements in the NTS region and of caliche and travertine samples from the Amargosa Desert

Issue Date: 31-dec-1985

Expiration Date:

Issued By (if applicable): USGS

Originator: B. Azabo and P. O'Malley

Originating Organization: U.S. Geological Survey

Archival Storage Location: DOE/NV Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Inquire at above address.

Geographical Area, or Activities, Covered by this Document: 10 sampling locations at Crater Flat, Yucca Flat, Yucca Mtn, and Amargosa Desert. Designated as Atlas activity H&N USD-1.

Purpose:

Comments: Survey consisted of taking samples from 10 locations. Stations include numbers 368, 386, 387, 395, 412, 379, 79-3-7P, 80-10-20F, 81-3-19F, AM-9.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Seismic Refraction

Document Number: USGS-OFR-85-591  
Dual Number:

Document Title, or Description: Data Report for the 1985 Seismic Refraction Experiment at Yucca Mountain and  
Vicinity, Southwestern Nevada

Issue Date:

Expiration Date:

Issued By (if applicable): USGS

Originator: Vickie D Sutton

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: DOE/NV, Technical Library, 2753 S.  
Highland, Las Vegas, NV

Procedure to Acquire/Examine Document: Inquire at above address.

Geographical Area, or Activities, Covered by this Document: Seismic refraction survey designated as H&N SRS-85.

Purpose: To present refraction data and determine feasibility of future surveys.

Comments: Data report was released in 1985 by the USGS.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: Trenches

Document Number: USGS-OFR-86-576  
Dual Number:

Document Title, or Description: Preliminary Study of Quaternary Faulting on the East Side of Bare Mountain, Nye  
County, Nevada

Issue Date:

Expiration Date:

Issued By (if applicable): USGS

Originator: Marith C. Reheis

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: USGS, Box 25425, Denver Federal  
Center, Denver, CO 80225

Procedure to Acquire/Examine Document: Inquire at above address.

Geographical Area, or Activities, Covered by this Document: Existing prospecting pits P1, P2, P3, P4, and P5; all located  
on the east side of Bare Mountain.

Purpose: To provide preliminary information regarding the Quaternary movement of faults  
on the eastern front-range of Bare Mountain.

Comments:



Run Date: 01-apr-1988

Documents Information Report  
Document Type: OPEN FILE REPORT\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Open File Report  
Category: USGS Precipitation Collection

Document Number: USGS-OFR-87-463  
Dual Number:

Document Title, or Description: Isotope Content and Temperature of Precipitation in Southern Nevada, August 1983  
- August 1986

Issue Date: 31-dec-1987

Expiration Date:

Issued By (if applicable): USGS NUCLEAR HYDROLOGY PROGRAM

Originator: W. K. Milne, L. V. Benson, P. W. McKinley

Originating Organization: USGS Nuclear Hydrology Program

Archival Storage Location: USGS, Denver Federal Center,  
Denver, CO 80225

Procedure to Acquire/Examine Document: Inquire at above address

Geographical Area, or Activities, Covered by this Document: USGS precipitation stations Jennifer, Andy, Dianne, Marge,  
Carolyn, Robin, Joanne, Ki, Lucky, Kathy, Sandy, and Gail

Purpose:

Comments:

4.2.5

Run Date: 01-apr-1988

Documents Information Report  
Document Type: THESIS\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Thesis  
Category: Ground Water Recharge

Document Number: ATLAS #34  
Dual Number:

Document Title, or Description: The dissolution of Rainier Mesa volcanic tuffs and its application to the analyses of the groundwater environment

Issue Date: 31-aug-1982

Expiration Date:

Issued By (if applicable): N/A

Originator: Mark S. Henne

Originating Organization: Desert Research Institute-Water  
Resources Center

Archival Storage Location: 7010 Dandini Blvd., Reno, Nevada  
89506

Procedure to Acquire/Examine Document: Contact Mr. Henne at above address.

Geographical Area, or Activities, Covered by this Document: Lysimeters 1 - 10 and Seeps 1 - 4 on Rainier Mesa

Purpose: To study unsaturated flow in volcanic tuffs.

Comments: These studies yielded a relationship between silica concentrations in the groundwater and the tuff surface area to water volume ratio. With this relationship the retention time of water in the tuffs was estimated.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: THESIS\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Thesis  
Category: Ground Water Recharge

Document Number: DRI-WRC RPT #45072  
Dual Number:

Document Title, or Description: Hydrological Investigations of Flow in Fractured Tuff, Rainier Mesa, NTS

Issue Date:

Expiration Date:

Issued By (if applicable): DESERT RESEARCH INSTITUTE

Originator: Charles Russell

Originating Organization: Desert Research Institute - Water  
Resources Ctr. (DRI-WRC)

Archival Storage Location: DRI, 2505 Chandler Ave, Suite 1,  
Las Vegas, NV 89120

Procedure to Acquire/Examine Document: Inquire at above location.

Geographical Area, or Activities, Covered by this Document: Water monitoring sites H&N-WS1 and H&N-WS2, and precipitation  
gage H&N-PG5 located on Rainier Mesa.

Purpose:

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: THESIS\*  
Document IDs: \*  
(Sorted by Category and ID)

Type of Document: Thesis  
Category: Trenches

Document Number: ATLAS #12  
Dual Number:

Document Title, or Description: Impact of Time and Climate on Quaternary Soils in the Yucca Mountain Area of the Nevada Test Site, - University of Colorado M.S. Thesis, 1986.

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: Emily M. Taylor

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: USGS, Box 25425, Denver Federal  
Center, Denver, CO 80225

Procedure to Acquire/Examine Document: Inquire at above address.

Geographical Area, or Activities, Covered by this Document: Trenches: FW-3, FW-4, FW-5, FW-7, FW-17, FW-18, FW-19, YW-1, YW-6, YW-8, YW-9, YW-11, YW-12, YW-13, YW-14, YW-15, YW-16, YW-20, YW-22.

Purpose: To provide documentation of quaternary soils investigations in the vicinity of Yucca Mountain.

Comments: Information covered in this thesis has been submitted as a USGS Open File Report, which is presently in DOE review.

41.2.6

Run Date: 01-apr-1988

Documents Information Report  
Document Type: USGS MAP\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: USGS Map  
Category: Logs of Trenches

Document Number: ATLAS #22  
Dual Number:

Document Title, or Description: USGS Map MF-1897, Logs of Trenches Across the Beatty Scarp, Nye County, NV  
(Swadley and others, 1986).

Issue Date:

Expiration Date:

Issued By (if applicable): USGS

Originator: W.C. Swadley

Originating Organization: U.S. Geological Survey

Archival Storage Location: USGS, Denver Federal Center,  
Denver, CO

Procedure to Acquire/Examine Document: Inquire at above location.

Geographical Area, or Activities, Covered by this Document: Trenches BF-1 and BF-2.

Purpose: To provide trenching logs of quaternary faulting along the Beatty scarp.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: USGS FIELD STUDY MAP  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: USGS Field Study Map  
Category: Trenches

Document Number: ATLAS #20  
Dual Number:

Document Title, or Description: USGS Field Studies Map MF-1824

Issue Date:

Expiration Date:

Issued By (if applicable): USGS

Originator: James Yount

Originating Organization: U.S Geological Survey (USGS)

Archival Storage Location: USGS, 345 Middlefield Rd., Menlo  
Park, CA 94025

Procedure to Acquire/Examine Document: Contact James Yount at above address.

Geographical Area, or Activities, Covered by this Document: Trenches Rock Valley #1 and Rock Valley #2.

Purpose: To document field studies locations of the Rock Valley Fault tectonic  
investigations project.

Comments:



4.2.7

Run Date: 01-apr-1988

Documents Information Report  
Document Type: FIELD NOTES\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Field Notes  
Category: Pavements

Document Number: ATLAS #13  
Dual Number:

Document Title, or Description: Bedrock Pavements - Study of Fractures

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: Christopher C. Barton

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: USGS, Building 3229, Area 25,  
Mercury, NV

Procedure to Acquire/Examine Document: Contact C. Barton at above address.

Geographical Area, or Activities, Covered by this Document: Geologic pavements 100, 200, 300, 400, 500, 600, and 1000.

Purpose: To document field investigations.

Comments: Data acquisition to be completed after stop work order is lifted.  
Each pavement will be included in USGS Open File and Bulletin Reports.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: FIELD NOTES\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Field Notes  
Category: Trenches

Document Number: ATLAS #11  
Dual Number:

Document Title, or Description: None. Data Logs of Trenches on Bow Ridge Fault, Nye County, NV.

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: E. Taylor and H. Huckins

Originating Organization: U.S. Geological Survey

Archival Storage Location: U.S. Geological Survey, Denver  
Federal Center, Denver, Colorado

Procedure to Acquire/Examine Document: Contact the "Originator(s)" at the above storage location.

Geographical Area, or Activities, Covered by this Document: Trenches 14-2, 14A, 14B, 14C, and 14D.

Purpose: Document data collected during field investigations.

Comments: Trenches were excavated to study quaternary faulting of the Bow Ridge Fault.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: FIELD NOTES  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Field Notes  
Category: Trenches

Document Number: ATLAS #21  
Dual Number:

Document Title, or Description: Document consists of field notes, no title has been assigned.

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: James Yount

Originating Organization: U.S. Geological Survey

Archival Storage Location: USGS, 345 Middlefield Rd., Menlo  
Park, CA 94025

Procedure to Acquire/Examine Document: Contact Mr. Yount at the above address.

Geographical Area, or Activities, Covered by this Document: Trenches, Frenchman Flat #1 and Frenchman Flat #2.

Purpose: Document field investigations.

Comments: Report is in preparation.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: FIELD NOTES\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Field Notes  
Category: Trenches

Document Number: ATLAS #23  
Dual Number:

Document Title, or Description: Field Notes from D.L. Hoover

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: D.L. Hoover

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: USGS, Denver Federal Center,  
Denver, CO

Procedure to Acquire/Examine Document: Inquire at above location.

Geographical Area, or Activities, Covered by this Document: Trenches: Crater Flat South (E) (CFS (E)) and Crater Flat  
South (W) (CFS (W)).

Purpose:

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: FIELD NOTES  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Field Notes  
Category: Trenches

Document Number: ATLAS #24  
Dual Number:

Document Title, or Description: Documentation consists of investigators field notes for which no title has been assigned.

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: Marith C. Reheis

Originating Organization: U.S. Geological Survey

Archival Storage Location: USGS, Box 25425, Denver Federal  
Center, Denver, CO 80225

Procedure to Acquire/Examine Document: Contact M. Reheis at above address.

Geographical Area, or Activities, Covered by this Document: Twenty one soil trenches located on pans at Silver Lake, California.

Purpose: To document field investigations.

Comments: One paper regarding these investigations has been written and has received USGS approval, with DOE approval pending. Other papers are expected to be published.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: FIELD NOTES\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Field Notes  
Category: Trenches

Document Number: ATLAS #25  
Dual Number:

Document Title, or Description: Document consists of field notes, no title has been assigned.

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: Marith C. Reheis

Originating Organization: U.S. Geological Survey

Archival Storage Location: USGS, Box 25425, Denver Federal  
Center, Denver, CO 80225

Procedure to Acquire/Examine Document: Contact Marith Reheis at above address.

Geographical Area, or Activities, Covered by this Document: Trenches: KC85-1, KC85-2, KC85-3, KC85-4, KC85-5, KC85-6,  
KC85-7, KC85-8, KC85-9, KC85-10.

Purpose: Document field investigations.

Comments: One or more papers will be published.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: FIELD NOTES\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Field Notes  
Category: Trenches

Document Number: ATLAS #32  
Dual Number:

Document Title, or Description: Unpublished Field Notes (Soils Infiltration capacity and conductivity Investigations)

Issue Date: 31-dec-1986

Expiration Date:

Issued By (if applicable):

Originator: Mike Schmidt

Originating Organization: US Geological Survey

Archival Storage Location: USGS, Box 25425, Denver Federal  
Center, Denver, CO 80225

Procedure to Acquire/Examine Document: Contact Mike Schmidt, Denver Federal Center, Denver CO

Geographical Area, or Activities, Covered by this Document: Soil Trenches A, B, C, D

Purpose: Document Field investigation.

Comments: The Field work is complete and paper is in progress.



4.2.8

Run Date: 01-apr-1988

Documents Information Report  
Document Type: UNPUBLISHED DATA\*  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Unpublished Data  
Category: Geologic Test Pits

Document Number: ATLAS #28  
Dual Number:

Document Title, or Description: None - personal communication.

Issue Date:

Expiration Date:

Issued By (if applicable):

Originator: Bob Scott

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: USGS, Box 25425, Denver Federal  
Center, Denver, CO 80225

Procedure to Acquire/Examine Document: Contact Bob Scott, USGS Denver

Geographical Area, or Activities, Covered by this Document: Geologic Test Pits: Pit #1, Pit #2, Pit #3

Purpose: Location information of test pits which are intended for feasibility  
investigation of exploratory shaft fracture mapping.

Comments: No data collecting or mapping has been done.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: UNPUBLISHED DATA\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Unpublished Data  
Category: Ground Water Recharge

Document Number: ATLAS #30  
Dual Number:

Document Title, or Description: Research files, dealing with soil moisture collection holes on Rainer Mesa.

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: Dr. John (Jack) Hess

Originating Organization: Desert Research Institute-Water  
Resources Center

Archival Storage Location: Dr. John Hess, DRI-WRC, 2505  
Chandler Ave., Suite 1, Las Vegas,  
NV 89120

Procedure to Acquire/Examine Document: N/A

Geographical Area, or Activities, Covered by this Document: Soil moisture collection station SM1 on Rainer Mesa

Purpose: To document isotopic analysis data of soil moisture.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: UNPUBLISHED DATA\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Unpublished Data  
Category: Ground Water Recharge

Document Number: ATLAS #33  
Dual Number:

Document Title, or Description: Research files, dealing with investigations of possible groundwater recharge analog sites.

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: Kevin Leary

Originating Organization: Desert Research Institute-Water  
Resources Center

Archival Storage Location: DRI, 7010 Dandini Blvd., Reno, NV  
89506

Procedure to Acquire/Examine Document: Contact Kevin Leary at above location.

Geographical Area, or Activities, Covered by this Document: Ground Water Recharge study site GWR-1 north of the Nevada  
Test Site

Purpose: Document data collection.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: UNPUBLISHED DATA\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Unpublished Data  
Category: Meteorological

Document Number: ATLAS #27  
Dual Number:

Document Title, or Description: Computer data files Test Cell C A-25.

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: Alan Flint

Originating Organization: USGS

Archival Storage Location: USGS Test Cell C A-25, Nevada Test  
Site (Alan Flint)

Procedure to Acquire/Examine Document: Alan Flint, U.S.G.S., Test Cell C A-25

Geographical Area, or Activities, Covered by this Document: USGS Rain gages: PS42, 43, 44, and 45.

Purpose: Precipitation data storage.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: UNPUBLISHED DATA  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Unpublished Data  
Category: Meteorological Towers

Document Number: ATLAS #39  
Dual Number:

Document Title, or Description: MNWSI Project Meteorological Monitoring Program First Quarterly Data Report

Issue Date:

Expiration Date:

Issued By (if applicable): SCIENCE APPLICATIONS INTERNATIONAL

Originator: Martin Jablonski

Originating Organization: Science Applications International

Archival Storage Location: SAIC, Valley Bank Center, 101  
Convention Center Dr., Rm. #542,  
Las Vegas, NV

Procedure to Acquire/Examine Document: Contact Martin Jablonski at SAIC

Geographical Area, or Activities, Covered by this Document: Yucca Mtn, meteorological monitoring towers NTS-60-Repository,  
NTS-10-Yucca Mt, -Coyote Wash, -Alice Hill, and -Fortymile  
Wash

Purpose: Quaterly meteorological data report.

Comments: Document has not yet been published.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: UNPUBLISHED DATA\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Unpublished Data  
Category: Observation Wells

Document Number: ATLAS #36  
Dual Number:

Document Title, or Description: research files, dealing with the regional ground water flow system investigations.

Issue Date: 31-dec-1987

Expiration Date:

Issued By (if applicable): U.S. GEOLOGICAL SURVEY

Originator: Dr. John B. Czarnecki

Originating Organization: U.S. Geological Survey - Nuclear  
Hydrology Program

Archival Storage Location: USGS, Denver Federal Center,  
Denver, CO 80225

Procedure to Acquire/Examine Document: Contact Dr. Czarnecki at above address.

Geographical Area, or Activities, Covered by this Document: 338 ground water observation wells located mainly in the Amargosa Desert, Nevada-California

Purpose: Documentation of well site locations and identification numbers for regional ground water monitoring wells.

Comments: Each of the wells has a unique USGS site ID number. This, as well as location and landowner information is included in a separate table.  
(Drilling of these wells was not sponsored by the NNWSI Project.)

Run Date: 01-apr-1988

Documents Information Report  
Document Type: UNPUBLISHED DATA\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Unpublished Data  
Category: Precipitation & Streamflow

Document Number: ATLAS #38  
Dual Number:

Document Title, or Description: Research files, dealing with precipitation and streamflow gauging stations.

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: Pat Glancy

Originating Organization: U.S. Geological Survey

Archival Storage Location: Pat Glancy, USGS FOS N. Plaza,  
Carson City, NV 89701

Procedure to Acquire/Examine Document: Contact Pat Glancy, USGS.

Geographical Area, or Activities, Covered by this Document: Precipitation and streamflow gauging stations PS1 through PS20  
at Yucca Mtn & vicinity.

Purpose: To collect data required to correlate precipitation and streamflow in the  
Yucca Mountain area.

Comments: Rainfall and streamflow measurements are ongoing.



Run Date: 01-apr-1988

Documents Information Report  
Document Type: UNPUBLISHED DATA\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Unpublished Data  
Category: Precipitation Collection

Document Number: ATLAS #29  
Dual Number:

Document Title, or Description: Research files dealing with precipitation collection for isotopic analysis.

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: Dr. John (Jack) Hess

Originating Organization: Desert Research Institute Water  
Resources Center

Archival Storage Location: Dr. John Hess, DRI-WRC, 2505  
Chandler Ave., Suite 1, Las Vegas,  
NV 89120

Procedure to Acquire/Examine Document: Contact Dr. Hess at above address.

Geographical Area, or Activities, Covered by this Document: Precipitation collectors rt1-3, pt1-3, tt1-3, st1-4, sb1, oj1,  
rc1

Purpose: Document amount of precipitation received and isotopic content of  
precipitation.

Comments: Stations are part of DRI-WRC's NTS rain gage system.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: UNPUBLISHED DATA  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Unpublished Data  
Category: Precipitation Collection

Document Number: ATLAS #35  
Dual Number:

Document Title, or Description: Research files, dealing with precipitation collection for isotope analysis.

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: Dr. John Hess

Originating Organization: Desert Research Institute-Water  
Resources Center

Archival Storage Location: c/o Dr. John Hess, 2505 Chandler  
Ave, Suite 1, Las Vegas, Nevada  
89120

Procedure to Acquire/Examine Document: Contact Dr. John Hess.

Geographical Area, or Activities, Covered by this Document: Precipitation collectors: Y3, Y6, Y7, Y8 on Yucca Mountain

Purpose: Document amounts of precipitation received and isotopic content of  
precipitation.

Comments: These stations are all part of DRI-WRC's NTS-Yucca Mtn. rain gage  
system.

Run Date: 01-apr-1988

Documents Information Report  
Document Type: UNPUBLISHED DATA\*  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Unpublished Data  
Category: Weapons-Test Seismicity

Document Number: ATLAS #41  
Dual Number:

Document Title, or Description: Computer data files dealing with seismic monitoring data associated with weapons testing at the NTS.

Issue Date:

Expiration Date:

Issued By (if applicable): N/A

Originator: Jimmy Lee

Originating Organization: Sandia National Lab

Archival Storage Location: Sandia National Lab, Computer data files, Mercury, NV

Procedure to Acquire/Examine Document: Contact Jimmy Lee at above location.

Geographical Area, or Activities, Covered by this Document: Seismic monitoring stations: ST A, ST E, ST F, ST G, ST H, ST I, ST J, ST K, WI-6, WI-7, WI-10, WI-26, WI-30, WI-29, WI-28, and WI-25

Purpose: To collect and store ground motion data associated with weapons testing at the NTS.

Comments:

4.2.9

Run Date: 01-apr-1988

Documents Information Report  
Document Type: GEOLOGIC MAP  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Geologic Map  
Category:

Document Number: GQ-157  
Dual Number:

Document Title, or Description: Bare Mountain Geologic Map

Issue Date: 31-dec-1961

Expiration Date:

Issued By (if applicable): U.S. GEOLOGICAL SURVEY

Originator: Cornwall & Kleinhampl

Originating Organization: U.S. Geological Survey

Archival Storage Location: USGS, Box 25425, Federal Center,  
Denver, CO 80225

Procedure to Acquire/Examine Document: Inquire at above address.

Geographical Area, or Activities, Covered by this Document: Bare Mountain 15' Quadrangle. Atlas activity number Geo Map  
#1.

Purpose: Produce geologic map of the Bare Mountain Quad.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: GEOLOGIC MAP  
Document IDs: \*  
(Sorted by Category and ID)

---

Type of Document: Geologic Map  
Category:

Document Number: GQ-368  
Dual Number:

Document Title, or Description: Jackass Flats Geologic Map

Issue Date: 31-dec-1964

Expiration Date:

Issued By (if applicable): USGS

Originator: McKay & Williams

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: USGS, Box 25425, Federal Center,  
Denver, CO 80225

Procedure to Acquire/Examine Document: Contact the USGS

Geographical Area, or Activities, Covered by this Document: USGS 7 1/2' Jackass Flats, NV Topographic Quadrangle.

Purpose: To produce a geologic map of the area covered by this Quadrangle.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: GEOLOGIC MAP  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Geologic Map  
Category:

Document Number: GQ-439  
Dual Number:

Document Title, or Description: Topopah Spring SW Geologic Map

Issue Date: 31-dec-1965

Expiration Date:

Issued By (if applicable): USGS

Originator: Lipman & McKay

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: USGS, Box 25425, Federal Center,  
Denver, CO 80225

Procedure to Acquire/Examine Document: Contact the USGS

Geographical Area, or Activities, Covered by this Document: USGS 7 1/2' Topopah Spring SW, NV Topographic Quadrangle.

Purpose: To produce a geologic map of the area covered by this Quadrangle.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: GEOLOGIC MAP  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Geologic Map  
Category:

Document Number: GQ-444  
Dual Number:

Document Title, or Description: Topopah Spring NW Geologic Map

Issue Date: 31-dec-1965

Expiration Date:

Issued By (if applicable): USGS

Originator: Christiansen & Lipman

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: USGS, Box 25425, Federal Center,  
Denver, CO 80225

Procedure to Acquire/Examine Document: Contact the USGS

Geographical Area, or Activities, Covered by this Document: Topopah Spring NW 7 1/2' Quadrangle. Atlas activity Geo-Map  
#2.

Purpose: Map geology of the area covered by this quad.

Comments:



Run Date: 01-apr-1988

Documents Information Report  
Document Type: GEOLOGIC MAP  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Geologic Map  
Category:

Document Number: GQ-849  
Dual Number:

Document Title, or Description: Topopah Spring Geologic Map

Issue Date: 31-dec-1970

Expiration Date:

Issued By (if applicable): USGS

Originator: Orkild & O'Connor

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: USGS, Box 25425, Federal Center,  
Denver, CO 80225

Procedure to Acquire/Examine Document: Contact the USGS

Geographical Area, or Activities, Covered by this Document: The USGS 7 1/2' Topopah Spring Quadrangle. Atlas activity  
Geo-Map #3.

Purpose: To produce a geologic map of the area covered by this quadrangle.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: GEOLOGIC MAP  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Geologic Map  
Category:

Document Number: GQ-882  
Dual Number:

Document Title, or Description: Striped Hills Geologic Map

Issue Date: 31-dec-1970

Expiration Date:

Issued By (if applicable): USGS

Originator: McKay & Burchfiel

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: USGS, Box 25425, Federal Center,  
Denver, CO 80225

Procedure to Acquire/Examine Document: Contact the USGS

Geographical Area, or Activities, Covered by this Document: USGS 7 1/2' Striped Hills, NV Topographic Quadrangle.

Purpose: To produce a geologic map of the area covered by this Quadrangle.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: GEOLOGIC MAP  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Geologic Map  
Category:

Document Number: GQ-883  
Dual Number:

Document Title, or Description: Lathrop Wells Geologic Map

Issue Date: 31-dec-1970

Expiration Date:

Issued By (if applicable): USGS

Originator: McKay & Sargent

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: USGS, Box 25425, Federal Center,  
Denver, CO 80225

Procedure to Acquire/Examine Document: Contact the USGS

Geographical Area, or Activities, Covered by this Document: USGS 7 1/2' Lathrop Wells, NV Topographic Quadrangle.

Purpose: To produce a geologic map of the area covered by this Quadrangle.

Comments:

Run Date: 01-apr-1988

Documents Information Report  
Document Type: GEOLOGIC MAP  
Document IDs: \*  
(Sorted by Category and ID)

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Type of Document: Geologic Map  
Category:

Document Number: I-1767  
Dual Number:

Document Title, or Description: Big Dune Geologic Map

Issue Date: 31-dec-1987

Expiration Date:

Issued By (if applicable): USGS

Originator: Swadley & Carr

Originating Organization: U.S. Geological Survey (USGS)

Archival Storage Location: USGS, Box 25425, Federal Center,  
Denver, CO 80225

Procedure to Acquire/Examine Document: Contact the USGS

Geographical Area, or Activities, Covered by this Document: USGS 15' Big Dune, NV/CA Topographic Quadrangle.

Purpose: To produce a geologic map of the area covered by this Quadrangle.

Comments: