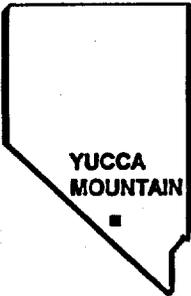


U.S. DEPARTMENT OF ENERGY

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**YUCCA MOUNTAIN
SITE CHARACTERIZATION
PROJECT**

**YUCCA MOUNTAIN
SITE CHARACTERIZATION PROJECT**

**TECHNICAL DATA
CATALOG
(QUARTERLY SUPPLEMENT)**



102.8

MARCH 31, 1995

UNITED STATES DEPARTMENT OF ENERGY

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PDR WASTE PDR
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**YUCCA MOUNTAIN
SITE CHARACTERIZATION PROJECT**

**TECHNICAL DATA CATALOG
(QUARTERLY SUPPLEMENT)**

MARCH 31, 1995

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INTRODUCTION

The Department of Energy (DOE)/Nuclear Regulatory Commission (NRC) Site-Specific Procedural Agreement for Geologic Repository Site Investigation and Characterization Program requires the DOE to develop and maintain a catalog of data which will be updated and provided to the NRC at least quarterly. This catalog is to include a description of the data; the time (date), place, and method of acquisition; and where the data may be examined. The Yucca Mountain Site Characterization Project (YMP) Technical Data Catalog is published and distributed in accordance with the requirements of the Site-Specific Agreement.

The YMP Technical Data Catalog is a report based on reference information contained in the YMP Automated Technical Data Tracking System (ATDT). The reference information is provided by Participants for data acquired or developed in support of the YMP. The Technical Data Catalog is updated quarterly and distributed in the month following the end of each quarter. A complete revision to the catalog is published at the end of each fiscal year. Supplements to the end-of-year edition are published each quarter. These supplements provide information related to new data items not included in previous quarterly updates and data items affected by changes to previously published reference information. The Technical Data Catalog, dated September 30, 1994, should be retained as the baseline document for the supplements until the end-of-year revision is published and distributed in October 1995.

Requests for data referenced in the Technical Data Catalog must be submitted in writing to the YMP Project Manager, Wesley E. Barnes, at the following address:

U.S. Department of Energy
Yucca Mountain Site Characterization Office
P.O. Box 98608
Las Vegas, NV 89193-8608

Requests should reference the Data Tracking Number (DTN) used to identify each data item included in the Technical Data Catalog and should include the following information: the requester's name, organization, address, and telephone number; the scope of the data requested; a description of the intended use of the data; and any special format preferences. In response to specific requests, the YMP will provide the solicited technical data or information regarding where the data may be examined.

The information contained in the Technical Data Catalog is organized by the governing plan under which the referenced technical data were acquired or developed. The applicable governing plans are identified in the table of contents. Site Characterization Program Baseline (SCPB) data items referenced in the catalog are further grouped by SCPB Activity Number. The catalog also includes a section that identifies data items available in the YMP Reference Information Base (RIB).

The Technical Data Catalog format includes the following information for each referenced data item:

- (1) Data Tracking Number - Unique identifier for the referenced data item.
- (2) Data Title/Description - A brief description of the referenced data item.
- (3) Acquisition/Development Period - The date or range of dates during which the referenced data item was acquired or developed.
- (4) Acquisition/Development Location - The field or laboratory location where the referenced data item was acquired or developed.

(NOTE: Locations are identified by unique names/identifiers or coordinates. Locations identified by coordinates may be expressed in geographic, Nevada state plane, or Universal Transverse Mercator (UTM). Nevada state plane coordinates are indicated by an "(N)" at the end of each coordinate; UTM coordinates are indicated by a "(U)".)

- (5) Acquisition/Development Method - A brief description of the method used and/or the procedure followed to acquire or develop the referenced data item.
- (6) Data Type - An "A" for acquired data or a "D" for developed data.
- (7) Qualified - A "Y" for Yes or an "N" for No indicating whether or not the referenced data item was acquired or developed in accordance with an NRC accepted quality assurance program or qualified in accordance with appropriate YMP procedures.

(NOTE: Developed data items derived from other data sources are not classified as "Qualified" unless the identified data sources are also qualified.)

- (8) Data Location - A "P" indicates that the data reside in, and may be examined only at, a Participant Data Archive. A "C" indicates that the data are in, and may be examined at, the Central Records Facility (CRF). A "T" indicates that the data are in the YMP Technical Data Base Geographic Nodal Information Study and Evaluation System (GENISES). An "R" indicates that the data are in the RIB. Data items, which are indicated to be in the GENISES or RIB, may also be examined in the CRF.

New data items, which were not included in a previous quarterly edition of the Technical Data Catalog, are identified by an asterisk (*) preceding the DTN. Changes to reference information published in a previous edition of the catalog are identified by a double asterisk (**) preceding the DTN for each affected data item.

Appendix A of this document lists the activity numbers and titles of all SCPB related data items referenced in the catalog. Appendix B identifies additions that were incorporated into the GENISES data base during the current quarter. Appendix C identifies superseding data items.

DESIGN PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**SNT01122093001.002	"DESIGN SUPPORT ANALYSES: NORTH RAMP DESIGN PACKAGE 2C (REV. 1)". THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNT01122093001.001.	12/20/93-03/31/94	THERMAL EXPANSION DATA WAS EXAMINED AND LINEARIZED. ROCK MASS DATA WAS USED FOR 2-D & 3-D MECHANICAL ANALYSES.	D N C

ACQN/DEVL LOCATION : SANDIA NATIONAL LABORATORY & J. F. T. AGAPITO

ENVIRONMENTAL MONITORING AND MITIGATION PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**EGESD930708000.000	DESERT TORTOISE STUDIES AT YUCCA MOUNTAIN, 1898-1993.	01/01/89-12/31/93	DESERT TORTOISE WERE LOCATED USING RADIO TELEMETRY TO OBTAIN DATA ON MOVEMENTS, BEHAVIOR, REPRODUCTIVE OUTPUT, GROWTH, BLOOD PARAMETERS, DIET, HIBERNATION, MATING, AND NESTING BEHAVIORS. IN ADDITION, TORTOISES AND CARCASSES FOUND INCIDENTALLY WERE MEASURED.	A N T
ACQN/DEVL LOCATION : YUCCA MOUNTAIN AND CALICO HILLS, NYE COUNTY, NV				
*GS941100012548.001	DATA ON GROUND-WATER LEVELS AND SPRINGFLOWS IN THE YUCCA MOUNTAIN REGION OF SOUTHERN NEVADA AND CALIFORNIA, FEBRUARY 1992 (GROUND-WATER MONITORING DATA REPORT FOR AMARGOSA DESERT AND FURNACE CREEK AREAS THROUGH DECEMBER 1991)	02/01/91-02/29/92	COMPILATION OF ENVIRONMENTAL MONITORING SITES, GROUND-WATER LEVELS AND DISCHARGE DATA; INCLUDING INITIAL MEASURING OF WELLS AND SPRINGS IN 1991, HISTORIC WATER LEVELS, AND WATER LEVELS AND DISCHARGES MEASURED FOR THE MAJORITY OF THE MONITORING SITES IN THE NETWORK.	D N P
ACQN/DEVL LOCATION : USGS WRD, LAS VEGAS, NV				

METEOROLOGICAL MONITORING PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM000000000001.060	ORIGINAL SOURCE DATA FOR: ATMOSPHERIC PRESSURE, PRECIPITATION QUANTITY, RELATIVE HUMIDITY, TEMPERATURE, WIND SPEED, AND WIND DIRECTION ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA	10/01/94-12/31/94	DATA ACQUIRED FROM ON-SITE DATALOGGERS	A Y P
*TM000000000001.061	AMBIENT AIR MONITORING REPORT, OCTOBER - DECEMBER 1994 ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA	10/01/94-12/31/94	REFORMATTING OF DATA FROM ON-SITE DATALOGGERS	D Y P
*TM000000000001.062	ORIGINAL SOURCE HARDCOPY DATA FOR: ATMOSPHERIC PRESSURE; PRECIPITATION QUANTITY; RELATIVE HUMIDITY; TEMPERATURE; WIND DIRECTION; AND WIND SPEED ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA	01/01/93-12/31/93	DATA ACQUIRED FROM ON-SITE DATALOGGERS	A Y C
*TM000000000001.063	METEOROLOGICAL MONITORING PROGRAM, ENVIRONMENTAL FIELD PROGRAMS, 1993 ANNUAL SUMMARY REPORT ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA	01/01/93-12/31/93	DATA ACQUIRED FROM ON-SITE DATALOGGERS	D Y P

PERFORMANCE ASSESSMENT MANAGEMENT PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*SNL15041284001.001	HYDROLOGIC MECHANISMS GOVERNING FLUID FLOW IN A PARTIALLY SATURATED, FRACTURED, POROUS MEDIUM.	10/01/84-12/01/85	NUMERICAL RESULTS ARE FROM THE TOPOPAH SPRING MEMBER OF YUCCA MOUNTAIN, NEVADA BY THE MEASURING OF FRACTURE SURFACE CHARACTERISTICS, SPACINGS, AND ORIENTATIONS BASED ON CORE ANALYSES, AND FROM MATRIX CURVES BASED ON LABORATORY MEASUREMENTS OF TUFF SAMPLES FROM THAT LOCATION.	A N P

ACQN/DEVL LOCATION : LAWRENCE BERKELEY LABORATORY

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RADIOLOGICAL MONITORING PLAN

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM000000001991.043	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1991 SOIL SAMPLES. SAMPLES FROM NEAR FIELD SITES 6, 61, 10, 11, 67, 92, 16, 91, 88, AND 93. THIS PACKAGE IS A SUPPLEMENT TO TM000000001991.017.	05/01/91-12/31/91	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ				
*TM000000001992.052	VALIDATED EPERM DATA FOR JANUARY THROUGH DECEMBER 1992. THIS DATA SUPPLEMENTS DATA IDENTIFIED BY DATA TRACKING NUMBERS TM000000001992.001, TM000000001992.002, TM000000001992.003, TM000000001992.004, TM000000001992.005, TM000000001992.006, TM000000001992.007, TM000000001992.008, TM000000001992.009, TM000000001992.010, TM000000001992.011, TM000000001992.012.	01/07/92-01/04/93	ORIGINAL DATA ACQUIRED PER WI-RM-770, REV. 4, ICN 0. DATA VALIDATED PER WI-RM-122, REV. 0, ICN 0, AND WI-RM-126, REV.0 ICN 0.	A Y P
ACQN/DEVL LOCATION : NEAR FIELD AND FAR FIELD SAMPLING SITES				
*TM000000001992.053	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1992 VEGETATION SAMPLES. SAMPLES FROM NEAR FIELD SITES 45, 26, 38, 57, 68, 71, 83, 85, 109, 81, 82, 84, 33, 32, 73, 79, 70, 35, 74, 42, 28, 75, 40, 76 AND 26. THIS PACKAGE IS SUPPLEMENTED BY TM000019921993.003.	07/01/92-07/31/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ				

RADIOLOGICAL MONITORING PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM000000001992.054	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1991 AND 1992 SOIL SAMPLES. SAMPLES FROM NEAR FIELD SITES 17, TP14, TP30A, RMP-100, 98, 94, 95, 103, 89, AND A25. THIS PACKAGE IS SUPPLEMENTED BY TM000000001992.017. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	10/01/91-04/30/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
*TM000000001992.055	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1992 SOIL SAMPLES. SAMPLES FROM SITES VH1, RP3, LW, NF14, JF13, AND TPER. THIS PACKAGE IS A SUPPLEMENT TO TM000000001992.023. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	06/01/92-06/30/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
*TM000000001992.056	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1991 AIR PARTICULATE FILTERS. SAMPLES FROM NEAR FIELD SITES 98, 95, 87DC, 87AC, 86, 67, 61, 17, 11, AND 10. THIS PACKAGE IS SUPPLEMENTED BY TM000000001992.018. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	07/01/92-09/30/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
*TM000000001992.057	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1991 AND 1992 SOIL SAMPLES. SAMPLES FROM SITES NF17, TP14, TP30A, RMP-100, NF98, NF94, RMP95, NF103, NF89, AND A25. THIS PACKAGE IS A SUPPLEMENT TO TM000000001992.017. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	01/01/91-04/30/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM000000001992.058	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1992 SOIL SAMPLES. SAMPLES FROM NEAR FIELD SITES 11, 87, 67, 10, 86, 61, AND 6. THIS PACKAGE IS A SUPPLEMENT TO TM000000001992.023. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	06/01/92-06/30/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
*TM000000001992.063	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF NEAR FIELD VEGETATION SAMPLES. VEGETATION SAMPLES OBTAINED FROM NEAR FIELD SITES 35, 74, 42, 28, 75, AND 40. SAMPLES GATHERED JULY OF 1992. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	07/01/92-07/31/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
*TM000000001992.064	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF NEAR FIELD VEGETATION SAMPLES. VEGETATION SAMPLES OBTAINED FROM NEAR FIELD SITES 33, 32, 73, 82 AND 84. SAMPLES GATHERED JULY OF 1992. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	07/01/92-07/31/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
**TM000000001993.001	ENVIRONMENTAL RADON MEASUREMENTS FOR JANUARY 1993. ACQN/DEVL LOCATION : RFPD FAR FIELD AND NEAR FIELD SITES.	01/04/93-02/04/93	DATA ACQUIRED PER TMSS WORK INSTRUCTION WI-RM-770, REVISION 4, ICN 0.	A Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM000000001993.054	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF NEAR FIELD VEGETATION SAMPLES. VEGETATION SAMPLES OBTAINED FROM NEAR FIELD SITES 57, 35, 76, 74, 71, AND 57. SAMPLES GATHERED IN JULY 1993. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	07/20/93-07/21/93	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
*TM000000001993.055	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF NEAR FIELD VEGETATION SAMPLES. VEGETATION SAMPLES OBTAINED FROM NEAR FIELD SITES 26, 68, 28, 72, AND 35. SAMPLES GATHERED JULY OF 1993. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	07/01/93-07/31/93	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
*TM000000001993.056	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF NEAR FIELD VEGETATION SAMPLES. VEGETATION SAMPLES OBTAINED FROM NEAR FIELD SITES. THERE ARE POAC-893-RZ8-1, POAC-0893-ST4-3, EPVI-893-RZ9-02, EPNE-0893-RZ12-2, CELA-0893-RZ10-1, POAC-893-RZ8-1DP37628, CELA-0893-RZ10-1-MS, DISTILLED BLANK H2O. SAMPLES GATHERED AUGUST OF 1993. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	08/01/93-08/31/93	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P

RADIOLOGICAL MONITORING PLAN

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	D A U L T A O A L C I A T F T Y I I P E O E D N
*TM000000001993.057	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF NEAR FIELD VEGETATION SAMPLES. VEGETATION SAMPLES OBTAINED FROM NEAR FIELD SITES. THERE ARE POAC-893-RZ11-1, EPVI-0893-ST4-1, ARTR-0893-ST4-1, CELA-0893-RZ12-3, POAC-893-RZ9-01, POAC-893RZ11-1DP37620, POAC-893-RZ9-01 MS, DISTILLED BLANK H2O. SAMPLES GATHERED AUGUST OF 1993. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	08/01/93-08/31/93	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
*TM000000001993.058	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF NEAR FIELD VEGETATION SAMPLES. VEGETATION SAMPLES OBTAINED FROM NEAR FIELD SITES 82, 79, 109, 85, 70, AND 26. SAMPLES GATHERED JULY OF 1993. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	07/01/93-07/31/93	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
*TM000000001993.060	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1993 VEGETATION SAMPLES. VEGETATION SAMPLES OBTAINED FROM NEAR FIELD SITES 57, 35, 76, 74, 71, 82, 79, 109, 85, 70, 26, 68, 28, 72, RZ11, ST4, RZ12, RZ9, RZ8, AND RZ10. THIS PACKAGE IS SUPPLEMENTED BY TM000019921993.003. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	07/01/93-08/31/93	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P

RADIOLOGICAL MONITORING PLAN

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*TM000000001993.064	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1993 BIOTA SAMPLES. SAMPLES FROM MULE DEER DRLHL FRONT QTR, BACK PART, AND HIND QTR, DIME PLOT58-2, CANIS LATRANS H ROAD KILL, DIME 43853, AND CANIS LATRANS MS43855. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	04/01/93-08/31/93	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
**TM000000001994.005	CONTINUOUS AIR SAMPLER DATA FOR MAY 1994. ACQN/DEVL LOCATION : NEAR FIELD AND FAR FIELD CAS SITES	05/02/94-06/01/94	DATA ACQUIRED IN ACCORDANCE WITH T&MSS WORK INSTRUCTIONS WI-RM-702, REVISION 5 AND WI-RM-703, REVISION 2.	A Y C
**TM000000001994.006	CONTINUOUS AIR SAMPLER DATA FOR JUNE 1994. ACQN/DEVL LOCATION : RFPD NEAR FIELD AND FAR FIELD CAS SITES	05/30/94-06/29/94	DATA ACQUIRED IN ACCORDANCE WITH T&MSS WORK INSTRUCTIONS WI-RM-702, REVISION 5 AND WI-RM-703, REVISION 2.	A Y C
**TM000000001994.007	CONTINUOUS AIR SAMPLER DATA FOR JULY 1994 ACQN/DEVL LOCATION : NEAR FIELD AND FAR FIELD CAS SITES	06/27/94-08/04/94	DATA ACQUIRED IN ACCORDANCE WITH T&MSS WORK INSTRUCTIONS WI-RM-702, REVISION 5 AND WI-RM-703, REVISION 2.	A Y C
*TM000000001994.010	CONTINUOUS AIR SAMPLER DATA FOR OCTOBER 1994. ACQN/DEVL LOCATION : NEAR FIELD AND FAR FIELD CAS SAMPLE SITES	10/03/94-11/02/94	DATA ACQUIRED IN ACCORDANCE WITH T&MSS WORK INSTRUCTIONS WI-RM-702, REVISION 5 AND WI-RM-703, REVISION 2.	A Y P

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RADIOLOGICAL MONITORING PLAN

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM000000001994.011	CONTINUOUS AIR SAMPLER DATA FOR NOVEMBER 1994.	10/31/94-11/30/94	DATA ACQUIRED IN ACCORDANCE WITH T&MSS WORK INSTRUCTIONS WI-RM-702, REVISION 5 AND WI-RM-703, REVISION 2.	A Y P
	ACQN/DEVL LOCATION : NEAR FIELD AND FAR FIELD CAS SAMPLE SITES			
**TM000000001994.019	ENVIRONMENTAL RADON MEASUREMENTS FOR JULY 1994.	07/01/94-08/04/94	DATA ACQUIRED IN ACCORDANCE WITH TMSS WORK INSTRUCTION WI-RM-770, REVISION 4, ICN 0.	A Y C
	ACQN/DEVL LOCATION : RFPD NEAR FIELD AND FAR FIELD SAMPLE SITES			
*TM000000001994.022	EPERM DATA FOR OCTOBER 1994.	10/06/94-11/02/94	ACQUIRED PER WI-RM-770, REVISION 4, ICN 0.	A Y P
	ACQN/DEVL LOCATION : REFPD NEAR FIELD SAMPLE SITES			
*TM000000001994.023	EPERM DATA FOR NOVEMBER 1994.	11/02/94-12/06/94	DATA ACQUIRED PER WI-RM-770, REVISION 4, ICN 0.	A Y P
	ACQN/DEVL LOCATION : RFPD NEAR FIELD SAMPLE SITES			
*TM000000001994.046	ENVIRONMENTAL RADON MEASUREMENTS WITH PYLON CONTINUOUS RADON MONITOR FOR OCTOBER 1994.	10/07/94-11/04/94	DATA ACQUIRED IN ACCORDANCE WITH TMSS WORK INSTRUCTION WI-RM-710, REVISION 1, ICN 0.	A Y P
	ACQN/DEVL LOCATION : RFPD NEAR FIELD SITES 06 AND 87			

RADIOLOGICAL MONITORING PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM000000001994.047	ENVIRONMENTAL RADON MEASUREMENTS WITH PYLON CONTINUOUS RADON MONITOR FOR NOVEMBER 1994. ACQN/DEVL LOCATION : RFPD NEAR FIELD SAMPLE SITES 06 AND 87	11/04/94-12/02/94	DATA ACQUIRED IN ACCORDANCE WITH WI-RM-710, REVISION 1, ICN 0.	A Y P
*TM000019891991.002	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1989 AND 1991 BIOTA SAMPLES. SAMPLES FROM NEAR FIELD SITES 58, 37, 14, 05, 59, 69, AND 12. THIS PACKAGE IS A SUPPLEMENT TO TM000019891991.001. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	04/01/89-10/31/91	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
*TM000019901991.002	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1990 AND 1991 VEGETATION SAMPLES. SAMPLES FROM NEAR FIELD SITES 81, 73, 32, 35, 85, 45, 34, 70, 80, 74, 75, 33, 79, 26, 38, 82, 84, 71, 78, 57, 5, 83, 68, 24, 77, 81, AND 45. THIS PACKAGE IS A SUPPLEMENT TO TM000019901991.001. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	04/01/90-07/31/91	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
*TM000019911992.002	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1991 AND 1992 BIOTA SAMPLES. SAMPLES FROM NEAR FIELD SITES 59, 37, 58, 12, 37, 69, 2, AND 5. THIS PACKAGE IS A SUPPLEMENT TO TM000019911992.001. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	04/01/91-04/30/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P

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RADIOLOGICAL MONITORING PLAN

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM000019911992.003	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1989, 1991, 1992, AND 1993 BIOTA SAMPLES. SAMPLES FROM NEAR FIELD SITES 69, 59, DRILL QUAIL, BLACK TAIL JACK RABBIT, DRILL DUP QUAIL, AND DRILL QUAILMS. THIS PACKAGE IS A SUPPLEMENT TO TM00001991992.001. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	10/01/89-11/30/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
*TM000019921993.002	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1992 AND 1993 BIOTA SAMPLES. SAMPLES FROM NEAR FIELD SITES 69, 5, 110, 59, 103, 107, 12 AND 37. THIS PACKAGE IS A SUPPLEMENT TO TM000019921993.001. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	04/01/92-04/30/93	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
*TM000019921993.003	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1992 AND 1993 VEGETATION SAMPLES. SAMPLES FROM NEAR FIELD SITES 38, 80, AND LOCATIONS RZ10, ST5, RZ12, RZ11, AND DP37611. THIS PACKAGE SUPPLEMENTS TM000000001992.055 AND TM000000001993.060. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	07/01/92-08/31/93	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P

RADIOLOGICAL MONITORING PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM000019931994.001	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1993 AND 1994 SOIL SAMPLES. SAMPLES FROM NEAR FIELD SITES 67, 98, 11, 104, 95, 87, 17, 86, 6, AND 61. ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ	04/15/93-03/31/94	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	D A U L T A O A L C I A T F T Y I I P E O E D N
*TM000000SD7RS.001	USW SD-7 SHIFT DRILLING SUMMARIES (51.0' TO 890.7'), STRUCTURAL LOGS (48.5' TO 653.6'), AND LITHOLOGIC LOGS (50.2' TO 875.0'). ACQN/DEVL LOCATION : E561240.29(N) N758949.76(N) GROUND ELEVATION 4470.0' (EST) SEE JOB PK	09/30/94-02/01/95	SAMPLE COLLECTING AND PROCESSING ACTIVITIES ARE PERFORMED BY THE DRILLING SUPPORT AND SAMPLE MANAGEMENT DEPARTMENT IN ACCORDANCE WITH WI-DS-001 REV.0.	A Y P
*TM000000NRG1RP.001	UE-25 NRG#1 STRUCTURAL LOGS AND LITHOLOGIC LOGS FROM 0.0' TO 150.1'. ACQN/DEVL LOCATION : N765,358.60' (N) E569,803.06' (N) GROUND ELEVATION 3,753.40'	06/15/92-06/23/92	SAMPLE COLLECTING AND PROCESSING ACTIVITIES ARE PERFORMED BY THE DRILLING SUPPORT AND SAMPLE MANAGEMENT DEPARTMENT IN ACCORDANCE WITH BTP-SMF-008 RE. 3, ICN 2.	A N P
*TM000000NRG1RP.002	UE-25 NRG#1 SHIFT DRILLING SUMMARIES FROM 0.0' TO 150.1' (TD). ACQN/DEVL LOCATION : N765,358.60' (N) E569,803.06' (N) GROUND ELEVATION 3,753.40'.	06/15/92-06/23/92	SAMPLE COLLECTING AND PROCESSING ACTIVITIES WERE PERFORMED BY THE DRILLING SUPPORT AND SAMPLE MANAGEMENT DEPARTMENT IN ACCORDANCE WITH BTP-SMF-008, REV. 3, ICN 2.	A Y P
*TM000000NRG2RP.002	UE-25 NRG#2 STRUCTURAL LOGS AND LITHOLOGIC LOGS (TD - 294.0'). ACQN/DEVL LOCATION : N765763.77 (N) E569162.06 GROUND ELEVATION 3796.68' TD: 294.1'	01/11/93-06/07/93	SAMPLE COLLECTING AND PROCESSING ACTIVITIES WERE PERFORMED BY THE DS&SM IN ACCORDANCE WITH BTP-SMF-008 REV. 3 ICN 3.	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM000000NRG3RP.002	UE-25 NRG#3 STRUCTURAL LOGS AND LITHOLOGIC LOGS (TD-330.0).	03/09/93-03/30/93	SAMPLE COLLECTING AND PROCESSING ACTIVITIES WERE PERFORMED BY THE DRILLING SUPPORT & SAMPLE MANAGEMENT DEPARTMENT IN ACCORDANCE WITH BTP-SMF-008 REV. 3, ICN 3.	A N P
	ACQN/DEVL LOCATION : N766250.60 (N) E568316 (N) GROUND ELEVATION 3826.33 TD-330.0'			
*TM000000NRG4RP.002	UE-25 NRG-4 STRUCTURAL LOGS AND LITHOLOGIC LOGS (TD 726.0').	06/17/93-07/21/93	SAMPLE COLLECTING AND PROCESSING ACTIVITIES WERE PERFORMED BY THE DRILLING SUPPORT & SAMPLE MANAGEMENT DEPT. (FORMERLY T&MSS) IN ACCORDANCE WITH BTP-SMF-008 REV.3, ICN 3.	A N P
	ACQN/DEVL LOCATION : N767,080.21(N) E566,819.99(N) GROUND ELEVATION 4101.64'			
*TM000000NRG5RP.002	UE-25 NRG#5 STRUCTURAL LOGS AND LITHOLOGIC LOGS FROM 0.0' TO 955.9' (TD).	04/20/93-06/09/93	SAMPLE COLLECTING AND PROCESSING ACTIVITIES WERE PERFORMED BY DS&SM IN ACCORDANCE WITH BTP-SMF-008 REV.3, ICN 3.	A N P
	ACQN/DEVL LOCATION : N767889.61(N) E564769.87(N) GROUND ELEVATION 4106.11 TD 955.9'			
*TM000000NRG6RP.002	USW NRG-6 STRUCTURAL LOGS AND LITHOLOGIC LOGS FROM 0.0' TO 1100.0' (TD).	11/20/92-03/03/93	SAMPLE COLLECTING AND PROCESSING ACTIVITIES WERE PERFORMED BY THE DRILLING SUPPORT AND SAMPLE MANAGEMENT DEPARTMENT (FORMERLY T&MSS) IN ACCORDANCE WITH BTP-SMF-008 REV. 3 ICN 1 (10/28/92), ICN 2 (12/03/92), AND ICN 3 (2/25/93).	A N P
	ACQN/DEVL LOCATION : N766726.3(N) E546187.2(N) GROUND ELEVATION 4093.1'			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM00000NRG2ARP.002	UE-25 NRG#2A SHIFT DRILLING SUMMARIES FROM 0.0 TO 265.7' (TD).	05/12/93-05/21/93	SAMPLE COLLECTING AND PROCESSING ACTIVITIES ARE PERFORMED BY THE DRILLING SUPPORT AND SAMPLE MANAGEMENT DEPARTMENT IN ACCORDANCE WITH THE PROCEDURE FOR FIELD LOGGING, HANDLING, AND DOCUMENTING BOREHOLE SAMPLES.	A Y P
	ACQN/DEVL LOCATION : N765699.9(N) E569001.1(N) GROUND ELEVATION 3, 782.9'			
*TM00000NRG2CRP.001	UE-25 NRG#2C SHIFT DRILLING SUMMARIES FROM 0.0'-150.9'.	02/07/94-02/16/94	SAMPLE COLLECTING AND PROCESSING ACTIVITIES ARE PERFORMED BY THE DRILLING SUPPORT AND SAMPLE MANAGEMENT DEPARTMENT IN ACCORDANCE WITH THE PROCEDURE FOR FIELD LOGGING, HANDLING, AND DOCUMENTING BOREHOLE SAMPLES.	A Y P
	ACQN/DEVL LOCATION : N765771.68(N) E569189.78(N) GROUND ELEVATION 3801.37			
*TM00000NRG2DRP.001	UE-25 NRG#2D SHIFT DRILLING SUMMARIES FROM 0.0'-170.2'.	02/09/94-02/28/94	SAMPLE COLLECTING AND PROCESSING ACTIVITIES ARE PERFORMED BY THE DRILLING SUPPORT AND SAMPLE MANAGEMENT DEPARTMENT IN ACCORDANCE WITH THE PROCEDURE FOR FIELD LOGGING, HANDLING, AND DOCUMENTING BOREHOLE SAMPLES.	A Y P
	ACQN/DEVL LOCATION : N765825.10(N) E569132.99(N) GROUND ELEVATION 3792.25'			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM00000UZN39RP.001	UE-25 UZN#39 PRELIMINARY FIELD COMPOSITE BOREHOLE LOG, SHIFT DRILLING SUMMARIES, AND LITHOLOGIC LOG. ACQN/DEVL LOCATION : N755133.0(N) E617277.8(N) GROUND ELEVATION 3769.9' (TOP OF CASING)	08/18/93-08/25/93	DATA WAS COLLECTED AND REPORTED IN ACCORDANCE WITH THE APPROPRIATE SAMPLE COLLECTING PROCEDURES.	A Y P
*TM0000NRG2B-RP.001	UE-25 NRG#2B QUALIFIED SHIFT DRILLING SUMMARIES, STRUCTURAL LOGS, LITHOLOGIC LOGS. ACQN/DEVL LOCATION : N765765.2(N) E569214.5(N) GROUND ELEVATION 3801.4' (TOP OF CASING)	07/30/93-09/14/93	DATA WAS COLLECTED IN ACCORDANCE WITH SAMPLE COLLECTING AND HANDLING PROCEDURES.	A Y P
*TM0000NRG2B-RP.002	UE-25 NRG#2B UNQUALIFIED LITHOLOGIC LOGS AND STRUCTURAL LOGS. ACQN/DEVL LOCATION : N765765.2(N) E569214.5(N) GROUND ELEVATION: 3801.4'	07/30/93-09/14/93	DATA WAS COLLECTED IN ACCORDANCE WITH SAMPLE COLLECTING PROCEDURES.	A N P
Activity - 8.3.1.2.1.1.1				
**GS920708312111.005	PRECIPITATION DEPTH, IN INCHES, COLLECTED USING A NETWORK OF NON-AUTOMATED, COLLECTOR-TYPE PLASTIC GAUGES. MEASUREMENTS WERE TAKEN AFTER EACH MAJOR PRECIPITATION EVENT AND TOTALLED FOR EACH MONTH. DATA COLLECTED FROM 01/01/90 TO 09/30/91. ACQN/DEVL LOCATION : 36 45'N 116 30'W ;36 57'N 116 17'W ABANDONED WASH EVAPORATION PAN FRAN RIDGE HRF LITTLE PROW PLUG HILL UE-25 UZN#1 UE-25 UZN#10 UE-25 UZN#12 UE-25 UZN#13	01/01/90-09/30/91	PRECIPITATION AMOUNTS WERE READ DIRECTLY FROM A SCALE IMPRINTED ON THE SIDE OF THE GAUGES. MEASUREMENTS WERE MADE IN INCHES OF RAINFALL.	A N C

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	UE-25 UZN#14		
	UE-25 UZN#18		
	UE-25 UZN#19		
	UE-25 UZN#2		
	UE-25 UZN#20		
	UE-25 UZN#21		
	UE-25 UZN#22		
	UE-25 UZN#23		
	UE-25 UZN#28		
	UE-25 UZN#29		
	UE-25 UZN#3		
	UE-25 UZN#30		
	UE-25 UZN#4		
	UE-25 UZN#5		
	UE-25 UZN#56		
	UE-25 UZN#6		
	UE-25 UZN#60		
	UE-25 UZN#7		
	UE-25 UZN#8		
	UE-25 UZN#85		
	UE-25 UZN#9		
	UE-25 UZN#92		
	UE-25 UZN#97		
	UE-25 WT#18		
	UE-25 WT#4		
	UE-29 UZN#91		
	USW G-2		
	USW G-3		
	USW GA-1		
	USW H-3		
	USW H-5		
	USW UZ-13		
	USW UZ-N24		
	USW UZ-N25		
	USW UZ-N26		
	USW UZ-N40		
	USW UZ-N41		
	USW UZ-N42		
	USW UZ-N43		
	USW UZ-N44		
	USW UZ-N45		
	USW UZ-N46		
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USW UZ-N65
USW UZ-N66
USW UZ-N67
USW UZ-N68
USW UZ-N69
USW UZ-N70
USW UZ-N71
USW UZ-N72
USW UZ-N73
USW UZ-N74
USW UZ-N75
USW UZ-N76
USW UZ-N77
USW UZ-N78
USW UZ-N79
USW UZ-N80
USW UZ-N81
USW UZ-N82
USW UZ-N83
USW UZ-N84
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USW UZ-N87
USW UZ-N88
USW UZ-N89
USW UZ-N90
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USW UZ-N94
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USW UZ-N98
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WX STATION 1
WX STATION 3
WX STATION 4 (NEW)
WX STATION 4 (OLD)
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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
**GS930108312111.003	PRECIPITATION DEPTH, IN INCHES, FOR EVENTS BETWEEN 10/1/91 AND 9/30/92. (AN EFFORT WAS MADE TO RECORD MEASUREMENTS AFTER EACH MAJOR STORM EVENT AT YUCCA MOUNTAIN. HOWEVER, SOME EVENTS OVER A SEVERAL DAY PERIOD WERE CONSOLIDATED INTO ONE SET OF MEASUREMENTS FOR THE NETWORK.)	10/01/91-09/30/92	PRECIPITATION MEASUREMENTS WERE MADE FROM A NETWORK OF COLLECTION/STORAGE GAUGES. THEY ARE NON-AUTOMATED. READINGS WERE TAKEN DIRECTLY FROM A SCALE IMPRINTED ON THE PLASTIC GAUGES OR FROM A DIP STICK MARKED WITH A SCALE. GAUGES WERE OF THREE TYPES: PLASTIC FENCE POST WEDGE, 4-INCH-DIAMETER ROUND CANISTER, AND 8-INCH STANDARD NATIONAL WEATHER SERVICE METAL STORAGE GAUGE.
	ACQN/DEVL LOCATION : N730000(N) E550000(N) ;N770000(N) E610000(N)		
**GS940108312111.001	PRECIPITATION QUANTITY (DEPTH) IN INCHES, FOR STORM EVENTS BETWEEN 10/1/92 AND 9/30/93. AN EFFORT WAS MADE TO RECORD MEASUREMENTS AFTER EACH STORM EVENT AT YUCCA MOUNTAIN. HOWEVER, SOME EVENTS OVER A SEVERAL DAY PERIOD WERE CONSOLIDATED INTO ONE MEASUREMENT AT EACH GAGE SO AFFECTED.	10/08/92-09/30/93	PRECIPITATION MEASUREMENTS WERE MADE FROM A NETWORK OF COLLECTION TYPE, NON-RECORDING RAIN GAGES. THEY ARE NON-AUTOMATED. READINGS WERE TAKEN FROM A SCALE IMPRINTED ON THE PLASTIC GAGE OR FROM A DIP STICK MARKED WITH A SCALE. GAGES WERE A MIXTURE OF THREE TYPES; PLASTIC WEDGE-SHAPED GAGE WITH A SQUARE ORIFICE, 4-INCH DIAMETER PLASTIC CANISTER GAGE, AND 8-INCH DIAMETER METAL STORAGE GAGE. HP-43,R2, INSTALLATION, OPERATION, AND EXAMINATION OF TWO TYPES OF NON-RECORDING RAIN GAGES, HP-264,R0, FIELD MEASUREMENT OF PRECIPITATION USING NON-RECORDING RAIN GAGES.
	ACQN/DEVL LOCATION : N730000(N) E550000(N) ;N770000(N) E610000(N)		

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS950208312111.001	RELATIVE HUMIDITY, TEMPERATURE, WIND DIRECTION AND WIND SPEED FROM FIVE WEATHER STATIONS LOCATED ON AND AROUND YUCCA MOUNTAIN FROM 18 APR 87 TO 13 AUG 89 ACQN/DEVL LOCATION : UE-25 WX STATION 1 UE-25 WX STATION 2 UE-25 WX STATION 3 UE-25 WX STATION 4 (OLD) UE-25 WX STATION 5	04/18/87-08/13/89	DATA WERE COLLECTED USING THE SCIENTIFIC METHOD, AS NO QA PLAN WAS IN EFFECT DURING THE PERIOD OF ACQUISITION	A N P
*GS950208312111.002	WEATHER STATION DATA FROM 14 AUG 89 TO 30 SEP 94 ACQN/DEVL LOCATION : UE-25 WX STATION 1 UE-25 WX STATION 2 UE-25 WX STATION 3 UE-25 WX STATION 4 (NEW) UE-25 WX STATION 4 (OLD) UE-25 WX STATION 5	08/14/89-09/30/94	HP-95,R0 AND HP-95,R0-M1, MEASUREMENT OF WIND DIRECTION USING A MET-ONE MODEL 024A WIND DIRECTION SENSOR, HP-96,R0 AND HP-96,R1, MEASUREMENT OF WIND SPEED USING A MET-ONE MODEL 014A WIND SPEED SENSOR, HP-97,R0 AND HP-97,R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.1.2.1				
**GS911108312121.003	SURFACE WATER DISCHARGE DATA INCLUDING COPIES OF RECORDER CHARTS, DISCHARGE MEASUREMENTS NOTES, AND PRECIPITATION DATA COLLECTED DURING WATER YEAR 1991 FOR YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NEVADA.	10/01/90-09/30/91	DATA WERE COLLECTED USING METHODS DESCRIBED IN USGS WRI'S.: BOOK 3, CHAPTERS A1, A2, A3 AND A8; BOOK 5, CHAPTER A1; BOOK 8, CHAPTERS A2, B2; AND USGS WSP 2175; AND NWM-USGS TECHNICAL PROCEDURES HP-43, HP-44, HP-45, HP-91, HP-100, HP-114, HP-115, HP-116, HP-117, HP-166 AND HP-169.	A Y P
ACQN/DEVL LOCATION : 36 00'N 117 00'W ;37 00'N 115 30'W				
**GS931108312121.006	SURFACE-WATER DISCHARGE DATA INCLUDING COPIES OF RECORDER CHARTS, DISCHARGE MEASUREMENT NOTES, LEVEL NOTES, PRECIPITATION AND WATER SAMPLE ANALYSIS FOR THE YUCCA MTN. AREA, SOUTHERN NEVADA AND SOUTHEASTERN CALIFORNIA, 1993 WATER YEAR.	10/01/92-09/30/93	USGS TWRI'S: BOOK 3: CH.A1,A2,A3,A4,A5,A8; BOOK 5: CH.A1; BOOK 8: CH.A2; AND USGS-WSP 2175. ALSO HP-40,R2, EST. PEAK-STREAMFLOW DISCHARGE BY SLOPE-CONVEYANCE; HP-43,R2, INSTAL.,OPER.&INSPECT. 2 TYPES NON-RECORDING RAIN GAGES; HP-44,R3, INSTAL.,OPER.&EXAM. CREST-STAGE STRMFLOW GAGES; HP-45,R3, INSTAL.OPER.&EXAM. RECORDING STRMFLOW GAGE USING BUBBLE-GAGE STACOM MANOMETER SYSTEM; HP-91,R3, COLLECT.& FIELD ANALY. SURFACE-WATER SAMPLES; HP-100,R1, STREAM DISCHG. MEAS. USING TYPE-AA PRICE CURRENT METER; HP-114, R1, EST. STRMFLOW DISCHG.; HP-115,R1, DETER. PEAK STRMFLOW DISCHG. USING CULVERTS; HP-116,R1&R2, INSTAL., OPER.&EXAM. RECORDING STRMFLOW GAGE THAT USES STILLING-WELL SYSTEM WITH CONT. GRAPHIC RECORDER; HP-117,R2, INSTAL., INSPECT.&MAINT. SCOUR CHAINS AT STRMFLOW GAGING SITES; HP-166,R1, STREAM DISCHG. MEAS. USING PYGMY CURRENT METER; HP-169, R2, DETER. PEAK STRMFLOW DISCHG. BY SLOPE-AREA.	A Y P
ACQN/DEVL LOCATION : 36 34'00"N 115 48'40"W 36 26'09"N 116 04'28"W 36 48'27"N 116 05'41"W 36 33'40"N 116 06'00"W				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
36	27'36"N 116 06'28"W		
36	37'35"N 116 08'31"W		
36	41'08"N 116 08'52"W		
37	09'51"N 116 12'11"W		
35	50'55"N 116 13'45"W		
36	44'17"N 116 13'58"W		
37	10'57"N 116 15'19"W		
36	46'06"N 116 19'23"W		
37	04'12"N 116 20'23"W		
37	04'19"N 116 20'50"W		
37	04'21"N 116 20'50"W		
36	11'48"N 116 22'06"W		
36	53'13"N 116 22'50"W		
36	51'58"N 116 23'38"W		
34	49'13"N 116 23'52"W		
36	48'27"N 116 24'01"W		
36	47'35"N 116 24'29"W		
36	23'12"N 116 25'22"W		
36	51'06"N 116 25'44"W		
36	40'18"N 116 26'03"W		
36	51'39"N 116 26'08"W		
36	50'36"N 116 26'26"W		
36	50'57"N 116 27'07"W		
36	51'16"N 116 27'07"W		
36	57'37"N 116 43'09"W		
36	52'06"N 116 45'04"W		
36	52'06"N 116 45'34"W		

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.1.2.2				
**GS910908312122.002	PARTICLE-SIZE DISTRIBUTION ANALYSES, OPHIR CREEK NEAR CARSON CITY, NV (39 17'25"N 119 49'25"W), NOV. 16, 1990	06/12/91-06/12/91	PARTICLE-SIZE DISTRIBUTION ANALYSES WERE DONE BY THE USGS SEDIMENT LAB. CASCADE VOLCANO OBSERVATORY, IN VANCOUVER, WA. ANALYSES INCLUDE STANDARD SIEVE ANALYSIS, PIPET ANALYSIS, AND SILT-CLAY ANALYSIS.	A Y P
	ACQN/DEVL LOCATION : USGS SEDIMENT LAB, VANCOUVER, WA			
**GS910908312122.003	PARTICLE-SIZE DISTRIBUTION ANALYSES, OPHIR CREEK NEAR CARSON CITY, NV (39 17'25"N 119 49'25"W), MAY 22, 1991.	06/12/91-06/12/91	PARTICLE-SIZE DISTRIBUTION ANALYSES WERE DONE BY THE USGS SEDIMENT LAB. CASCADE VOLCANO OBSERVATORY, IN VANCOUVER, WA. ANALYSES INCLUDE STANDARD SIEVE ANALYSIS, PIPET ANALYSIS, AND SILT-CLAY ANALYSIS.	A Y P
	ACQN/DEVL LOCATION : USGS SEDIMENT LAB, VANCOUVER, WA			
**GS910908312122.004	PARTICLE-SIZE DISTRIBUTION ANALYSES, OLANCHA FAN CREEK, NEAR INDEPENDENCE, CA (36 14'36"N 118 03'25"W), NOV. 8, 1990.	06/12/91-06/12/91	PARTICLE-SIZE DISTRIBUTION ANALYSES WERE DONE BY THE USGS SEDIMENT LAB. CASCADE VOLCANO OBSERVATORY, IN VANCOUVER, WA. ANALYSES INCLUDE STANDARD SIEVE ANALYSIS, PIPET ANALYSIS, AND SILT-CLAY ANALYSIS.	A Y P
	ACQN/DEVL LOCATION : USGS SEDIMENT LAB, VANCOUVER, WA			
**GS910908312122.005	PARTICLE-SIZE DISTRIBUTION ANALYSES, OLANCHA FAN CREEK NEAR INDEPENDENCE, CA (36 14'36"N 118 03'25"W), NOV. 9, 1990	06/13/91-06/13/91	PARTICLE-SIZE DISTRIBUTION ANALYSES WERE DONE BY THE USGS SEDIMENT LAB. CASCADE VOLCANO OBSERVATORY, IN VANCOUVER, WA. ANALYSES INCLUDE STANDARD SIEVE ANALYSIS, PIPET ANALYSIS, AND SILT-CLAY ANALYSIS.	A Y P
	ACQN/DEVL LOCATION : USGS SEDIMENT LAB, VANCOUVER, WA			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.1.3.2				
**GS920908312132.004	HYDRAULIC-HEAD DATA (WATER-LEVELS) FROM GS-15, GS-16, AND GS-17. ACQN/DEVL LOCATION : GS-15 GS-16 GS-17	06/18/83-06/09/89	HYDRAULIC HEAD DATA WERE MEASURED USING ROLL SOUNDER AND HAND HELD STEEL TAPE.	A N C
**GS920908312132.005	VERTICAL HYDRAULIC GRADIENT DATA AND INTERPRETATION FROM WELLS GS-15, -16, AND -17. PUBLISHED IN "A HINT OF RECHARGE AT FRANKLIN LAKE PLAYA, INYO COUNTY, CALIFORNIA, USA" AND "DOES LOCALIZED RECHARGE OCCUR AT A DISCHARGE AREA WITHIN THE GROUND-WATER FLOW SYSTEM OF YUCCA MOUNTAIN, NEVADA?" BY JOHN B. CZARNECKI, DANIEL RONEN, MORDECKAI MARGARITZ, AND LEVY KROITORU. ACQN/DEVL LOCATION : USGS, DENVER, CO	06/13/92-06/30/92	VERTICAL HYDRAULIC GRADIENT CALCULATED BY OBTAINING THE SLOPE OF THE LINE OF BEST FIT THROUGH THE WATER-LEVEL ALTITUDES OF THE THREE WELLS, GS-15, -16, AND -17. INTERPRETATION BASED ON EXAMINATION AND COMPARISON OF SOURCE DATA.	D N C
**GS930908312132.018	DEPTH-TO-WATER MEASUREMENTS IN WELLS OF AMARGOSA DESERT PERFORMED BETWEEN 3/25/92 & 4/4/94. THE FOLLOWING LIST IDENTIFIES THE WELLS WHERE THE MEASUREMENTS WERE TAKEN: GS-1; GS-3 STEEL; GS-3 PVC; GS-4; GS-5; GS-6; GS-7; GS-9; GS-10; GS-12; GS-13; GS-14; GS-15; GS-16; GS-17 PVC; GS-18; GS-20 (FLP); AM-1 STEEL; AM-1 PVC; AM-2 STEEL; AM-2 PVC; BGMW-7; BJ; BT-4; N25 E5 15; JC-5; LC-262 PVC; LC-262 STEEL; NA-2; NA-4 (BGWM-2); NA-6 STEEL; NA-6 PVC; NA-7 STEEL; NA-7 PVC; NA-8; NA-9 STEEL; NA-9 PVC; NA-10 STEEL; NA-10 PVC; S-1 STEEL; S-1 PVC; S-2; ST-1 STEEL; ST-2 STEEL; ST-2 PVC; WELL FL; WELL #5; WELL-13; WELL 14; CINDER LAKE. ACQN/DEVL LOCATION : 36 00'00"N 117 00'00"W ;37 00'00"N 116 00'00"W	03/25/92-04/04/94	HP-99,R1, "INSTRUCTION FOR OPERATION OF A WELL SOUNDER FOR MEASURING WATER LEVELS," AND HP-61, R0, "USE OF HAND-HELD STEEL TAPES (IN VERTICAL BOREHOLES)."	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS931008312132.004	GROUND-WATER ALTITUDES AND WELL DATA, NYE COUNTY, NEVADA, AND INYO COUNTY, CALIFORNIA, COMPILED BY MAREK CIESNIK. ACQN/DEVL LOCATION : USGS, DENVER, CO	05/01/83-12/31/91	COMPILATION PRIMARILY FROM USGS NATIONAL WATER INFORMATION SYSTEM (NWIS) AND FROM OTHER PUBLISHED PAPERS.	A N T
*GS940908312132.004	LITHOLOGIC AND GEOPHYSICAL LOGS OF DRILL HOLES FELDERHOFF FEDERAL 5-1 AND 25-1, AMARGOSA DESERT, NYE COUNTY, NEVADA, BY W.J. CARR, S.M. KELLER AND J.A. GROW. ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/92-06/30/93	THE LOGGINGS OF THE CUTTINGS AND THE GEOPHYSICAL LOGS WERE STUDIED AND INTERPRETED TO DETERMINE THE LITHOLOGY AND GENERAL STRATIGRAPHY OF THE DRILL HOLES.	D N P
**GS941108312132.003	HEAT-PULSE FLOWMETER SURVEY DATA FROM WELL USW G-2. ACQN/DEVL LOCATION : USW G-2	11/21/94-11/22/94	SN-0076, "FLOW SURVEYING OF BOREHOLE USW G-2."	A Y P
*GS950108312132.001	DEPTH-TO-WATER MEASUREMENTS TAKEN IN WELLS IN THE AMARGOSA DESERT, NEVADA, 5/17/83 THROUGH 5/2/89. MEASUREMENTS WERE TAKEN IN THE FOLLOWING WELLS: ABC-KJ2; AM-1; AM-2; BJ(138); BT-2A; BT-3; BT-4; DUG STOCK POND; EAST GAN WELL; GS-1 THROUGH GS-20; JC-5; NA-1; NA-2; NA-6; NA-7; NA-8; NA-10; EC-2; S-1; S-2; WELL 1; WELL 3; WELL 4 THROUGH WELL 11; WELL 13; AND WELL 14. ACQN/DEVL LOCATION : 36 00'00"N 117 00'00"W ;37 00'00"N 116 00'00"W	05/17/83-05/02/89	MEASUREMENTS WERE TAKEN IN WELLS USING EITHER A WELL SOUNDER OR A HAND-HELD STEEL TAPES, AS LATER DESCRIBED IN HP-99 AND HP-61.	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS950208312132.002	DEPTH-TO-WATER MEASUREMENTS TAKEN IN THE AMARGOSA DESERT, NEVADA, FROM 5/3/89 THROUGH 3/24/92. MEASUREMENTS WERE TAKEN IN THE FOLLOWING WELLS: N25 E5 15; WELL 5; WELL 6; WELL 7; WELL 8; GS-12; GS-13; GS-14; GS-15; GS-16; GS-17; AND LC 262.	05/03/89-03/24/92	HP-99,R0 AND R1, "INSTRUCTION FOR OPERATION OF A WELL SOUNDER FOR MEASURING WATER LEVELS", AND HP-61,R0, "USE OF HAND-HELD STEEL TAPES (IN VERTICAL BOREHOLES)".	A Y P
ACQN/DEVL LOCATION : 36 00'00"N 117 00'00"W ;37 00'00"N 116 00'00"W				
Activity - 8.3.1.2.1.3.3				
**GS940308312133.002	WATER QUALITY DATA FOR SAMPLES TAKEN IN FORTYMILE WASH, NEVADA, DURING THE 1993 WATER YEAR.	10/01/92-02/07/94	DATA COLLECTED ACCORDING TO HP-23,R2 AND R3, "COLLECTION AND FIELD ANALYSIS OF GROUND-WATER SAMPLES FROM SATURATED ZONE"; HP-200,R0, "COLLECTION OF GROUND-WATER SAMPLES FROM WELLS" AND HP-91,R3, "COLLECTION AND FIELD ANALYSIS OF SURFACE-WATER SAMPLES"	A Y T
ACQN/DEVL LOCATION : 36 56'34"N 116 22'15"W 36 55'13"N 116 22'29"W UE-29A #1 USGS NAT'L WATER QUALITY LAB, DENVER, CO				
**GS940808312133.004	COMPUTED DIFFERENCES OF STREAMFLOW EVENT VOLUMES BETWEEN GAGING STATIONS IN FORTYMILE WASH, JULY-AUGUST 1984	06/01/94-07/20/94	ESTIMATED HALF-HOURLY DISCHARGES AT THREE STREAMFLOW GAGING STATIONS WERE COMPUTED, THE DIFFERENCES IN EVENT STREAMFLOW VOLUMES BETWEEN GAGES CALCULATED, AND EVENT VOLUME LOSSES DUE TO INFILTRATION PER CHANNEL KILOMETER CALCULATED.	D N T
ACQN/DEVL LOCATION : USGS, MERCURY, NV				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.1.3.4				
**GS920308312134.001	HYDROCHEMICAL DATA FROM WELL FL OBTAINED WITH A MULTILEVEL SAMPLER AT FRANKLIN LAKE PLAYA, INYO COUNTY, CALIFORNIA	06/21/89-12/31/89	HYDROCHEMICAL OF WELL WATER FROM WELL FL USING AN INSITU MULTILEVEL SAMPLER DEPLOYED FOR PERIODS OF EIGHT DAYS AND THIRTY DAYS. WELL WAS ALSO BAILED. SEE USGS-HP-200 FOR DESCRIPTION OF METHODS.	D N C
ACQN/DEVL LOCATION : 36 16'00"N 116 23'00"W				
Activity - 8.3.1.2.1.4.4				
*GS950308312144.001	DIGITAL ELEVATION MODEL (DEM) FILE OF TOPOGRAPHIC ELEVATIONS FOR THE DEATH VALLEY REGION OF SOUTHERN NEVADA AND SOUTHEASTERN CALIFORNIA PROCESSED FROM U.S. GEOLOGICAL SURVEY 1-DEGREE DIGITAL ELEVATION MODEL DATA FILES, BY A.K. TURNER, F.A. D'AGNESE, AND C.C.FAUNT.	10/01/94-12/12/94	U.S. GEOLOGICAL SURVEY TOPOGRAPHIC ELEVATION DATA DIGITIZED AND ASSEMBLED INTO MODEL DATA FILES FOR INPUT INTO GROUND WATER FLOW MODELS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
*GS950308312144.002	DIGITAL HYDROGRAPHIC, LAND USE-LAND COVER, AND HYDROLOGIC UNIT CODE FILES FOR THE DEATH VALLEY REGION OF SOUTHERN NEVADA AND SOUTHEASTERN CALIFORNIA PROCESSED FROM U.S. GEOLOGICAL SURVEY 1:100,000- AND 1:250,000-SCALE DIGITAL DATA FILES, BY A.K. TURNER, F.A. D'AGNESE, AND C.C. FAUNT.	10/01/94-12/12/94	U.S. GEOLOGICAL SURVEY HYDROGRAPHIC, LAND USE-LAND COVER, AND HYDROLOGIC DATA DIGITIZED AND ASSEMBLED INTO FILES FOR USE IN GROUND WATER FLOW MODELS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.2.1				
*GS950108312210.001	CLASS A PAN EVAPORATION DEPTH FOR 1/1/90 TO 9/30/94	01/01/90-09/30/94	MEASUREMENT OF CLASS A PAN EVAPORATION DEPTH (DEPTH OF WATER LOSS) USING A STILLING WELL AND HOOK GAGE.	A N P
ACQN/DEVL LOCATION : E610564.0(N) N744068.0(N)				
Activity - 8.3.1.2.2.1.1				
**GS920808314213.003	ASSESSMENT OF GEOPHYSICAL LOGS FROM BOREHOLE USW G-2, WITH RECOMMENDATIONS FOR FUTURE LOGGING AT YUCCA MTN., NV, BY P.H. NELSON AND ULRICH SCHIMSCHAL.	01/06/92-06/30/92	ASSESSMENT OF CURRENT LOGGING TECHNOLOGY IN ORDER TO SPECIFY THE KINDS OF LOGS AND, IF APPROPRIATE, THE SUPPLIERS AND MODELS OF LOGGING TOOLS TO BE USED IN FUTURE LOGGING.	D N T
ACQN/DEVL LOCATION : USGS, DENVER, CO				
**GS921208312211.013	GEOHYDROLOGIC DATA FROM TEST HOLE USW UZ-6S, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY CAROLE A. LOSKOT.	04/23/85-11/30/92	COMPILED DATA FROM GRAVIMETRIC WATER CONTENT MEASUREMENTS, WATER POTENTIAL MEASUREMENTS, BULK & GRAIN DENSITY MEASUREMENTS, CORES, AND LITHOLOGY.	D N T
ACQN/DEVL LOCATION : USGS, DENVER, CO.				
*GS950308312211.001	PRELIMINARY FAULT/FRACTURE PROPERTIES FOR FAST-PATHWAYS MODEL	12/09/94-03/06/95	DATA WERE COLLECTED PER: GP-01,R2, GEOLOGIC MAPPING; GP-12,R2, MAPPING FRACTURES ON PAVEMENTS, OUTCROPS, AND ALONG TRAVERSES; GP-17,R1, DESCRIBING AND SAMPLING SOILS IN THE FIELD; GP-27,R2, TRENCH WALL AND NATURAL OUTCROP SAMPLING FOR COORDINATED STUDIES; HP-229,R3, DETERMINATION OF WATER CONTENT AND PHYSICAL PROPERTIES FOR LABORATORY ROCK SAMPLES; HP-243,R0, METHOD FOR MEASURING THE PARTICLE VOLUME AND/OR PARTICLE DENSITY OF ROCK OR SOIL SAMPLES USING THE MICROMETRICS ACCUPYC 1330 PYCNOMETER; HP-258,R0, METHOD TO DETERMINE THE PH OF A SAMPLE; AND HP-265,R0, CALCIUM CARBONATE EQUIVALENT ANALYSIS.	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	ACQN/DEVL LOCATION : 36 48'19.79"N 116 24'44.20"W 36 51'17.63"N 116 25'59.77"W 36 51'34.27"N 116 26'42.72"W 36 50'24.04"N 116 27'05.76"W 36 51'03.41"N 116 27'12.96"W 36 50'32.00"N 116 27'14.07"W 36 51'21.60"N 116 27'14.23"W 36 50'46.93"N 116 27'14.62"W 36 49'55.56"N 116 27'17.64"W 36 49'17.48"N 116 27'41.96"W 36 50'12.84"N 116 27'42.00"W USGS HRF, NTS, NV			
Activity - 8.3.1.2.2.1.2				
**GS910808312212.001	GEOHYDROLOGIC DATA COLLECTED FROM SHALLOW NEUTRON-ACCESS BOREHOLES AND RESULTANT PRELIMINARY GEOHYDROLOGIC EVALUATIONS, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, BY DANIEL O BLOUT, DALE P HAMMERMEISTER, CAROLE L LOSKOT, AND MICHAEL P CHORNACK.	02/01/86-11/04/91	THIS REPORT PRESENTS A COMPILATION OF GEOLOGIC AND HYDROLOGIC DATA FROM 74 COMPLETED NEUTRON-ACCESS BOREHOLES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, HRF, NTS, NV			
**GS921208312211.013	GEOHYDROLOGIC DATA FROM TEST HOLE USW UZ-6S, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY CAROLE A. LOSKOT.	04/23/85-11/30/92	COMPILED DATA FROM GRAVIMETRIC WATER CONTENT MEASUREMENTS, WATER POTENTIAL MEASUREMENTS, BULK & GRAIN DENSITY MEASUREMENTS, CORES, AND LITHOLOGY.	D N T
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS941008312212.013	NEUTRON COUNTS FOR 97 BOREHOLES AT YUCCA MOUNTAIN FROM JANUARY 1, 1994, TO OCTOBER 1, 1994	01/01/94-10/01/94	MOISTURE METER COUNTS WERE COLLECTED AT BOREHOLES IN ACCORDANCE WITH HP-62, R6 AND R6-M1, METHOD FOR MEASURING SUB-SURFACE MOISTURE CONTENT USING NEUTRON MOISTURE METER	A Y P
	ACQN/DEVL LOCATION :			
	UE-25 UZN#1			
	UE-25 UZN#10			
	UE-25 UZN#12			
	UE-25 UZN#13			
	UE-25 UZN#14			
	UE-25 UZN#18			
	UE-25 UZN#19			
	UE-25 UZN#2			
	UE-25 UZN#20			
	UE-25 UZN#21			
	UE-25 UZN#22			
	UE-25 UZN#23			
	UE-25 UZN#28			
	UE-25 UZN#29			
	UE-25 UZN#3			
	UE-25 UZN#30			
	UE-25 UZN#39			
	UE-25 UZN#4			
	UE-25 UZN#5			
	UE-25 UZN#56			
	UE-25 UZN#6			
	UE-25 UZN#60			
	UE-25 UZN#63			
	UE-25 UZN#7			
	UE-25 UZN#8			
	UE-25 UZN#9			
	UE-25 UZN#97			
	UE-29 UZN#91			
	UE-29 UZN#92			
	USW UZ-7			
	USW UZ-N11			
	USW UZ-N15			
	USW UZ-N16			
	USW UZ-N17			
	USW UZ-N24			
	USW UZ-N25			
	USW UZ-N26			

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	USW UZ-N34		
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	USW UZ-N42		
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	USW UZ-N75		
	USW UZ-N76		

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	USW UZ-N77 USW UZ-N78 USW UZ-N79 USW UZ-N80 USW UZ-N81 USW UZ-N82 USW UZ-N84 USW UZ-N86 USW UZ-N87 USW UZ-N88 USW UZ-N89 USW UZ-N90 USW UZ-N93 USW UZ-N94 USW UZ-N95 USW UZ-N96 USW UZ-N98			
*GS941208312212.017	SUBSURFACE WATER CONTENT AT YUCCA MOUNTAIN NEVADA -- NEUTRON LOGGING DATA FOR 1/1/94 THRU FY94	01/01/94-09/30/94	VOLUMETRIC WATER CONTENTS WERE DETERMINED BY APPLYING CALIBRATION EQUATIONS AND LAB-TO-FIELD TRANSFER EQUATIONS DEVELOPED IN ACCORDANCE WITH HP-254,R0, DEVELOPMENT AND USE OF A CALIBRATION EQUATION FOR A HAND HELD NEUTRON MOISTURE METER, TO THE NEUTRON COUNTS OBTAINED AT THE BOREHOLES.	D Y P
	ACQN/DEVL LOCATION : USGS HRF, NTS, NV			
*GS941208312212.018	NEUTRON COUNTS FROM USW UZ-N54, UZ-N55, AND UZ-N27 AND CALIBRATION TANKS USED TO DEVELOP CALIBRATION EQUATIONS FOR HAND-HELD NEUTRON MOISTURE METERS	11/05/91-05/01/92	HP-62,R6, METHOD FOR MEASURING SUB-SURFACE MOISTURE CONTENT USING A NEUTRON MOISTURE METER.	A Y P
	ACQN/DEVL LOCATION : USW UZ-N27 USW UZ-N54 USW UZ-N55			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS941208312212.019	NEUTRON PROBE VOLUMETRIC WATER CONTENT CALIBRATION EQUATIONS, DEVELOPED IN 1994. ACQN/DEVL LOCATION : USGS HRF, NTS, NV	01/24/94-06/30/93	HP-254,R0, DEVELOPMENT AND USE OF A CALIBRATION EQUATION FOR A HAND HELD NEUTRON MOISTURE METER	D Y P
*GS950308312211.001	PRELIMINARY FAULT/FRACTURE PROPERTIES FOR FAST-PATHWAYS MODEL ACQN/DEVL LOCATION : 36 48'19.79"N 116 24'44.20"W 36 51'17.63"N 116 25'59.77"W 36 51'34.27"N 116 26'42.72"W 36 50'24.04"N 116 27'05.76"W 36 51'03.41"N 116 27'12.96"W 36 50'32.00"N 116 27'14.07"W 36 51'21.60"N 116 27'14.23"W 36 50'46.93"N 116 27'14.62"W 36 49'55.56"N 116 27'17.64"W 36 49'17.48"N 116 27'41.96"W 36 50'12.84"N 116 27'42.00"W USGS HRF, NTS, NV	12/09/94-03/06/95	DATA WERE COLLECTED PER: GP-01,R2, GEOLOGIC MAPPING; GP-12,R2, MAPPING FRACTURES ON PAVEMENTS, OUTCROPS, AND ALONG TRAVERSES; GP-17,R1, DESCRIBING AND SAMPLING SOILS IN THE FIELD; GP-27,R2, TRENCH WALL AND NATURAL OUTCROP SAMPLING FOR COORDINATED STUDIES; HP-229,R3, DETERMINATION OF WATER CONTENT AND PHYSICAL PROPERTIES FOR LABORATORY ROCK SAMPLES; HP-243,R0, METHOD FOR MEASURING THE PARTICLE VOLUME AND/OR PARTICLE DENSITY OF ROCK OR SOIL SAMPLES USING THE MICROMETRICS ACCUPYC 1330 PYCNOMETER; HP-258,R0, METHOD TO DETERMINE THE PH OF A SAMPLE; AND HP-265,R0, CALCIUM CARBONATE EQUIVALENT ANALYSIS.	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.2.1.3				
*GS941208312212.018	NEUTRON COUNTS FROM USW UZ-N54, UZ-N55, AND UZ-N27 AND CALIBRATION TANKS USED TO DEVELOP CALIBRATION EQUATIONS FOR HAND-HELD NEUTRON MOISTURE METERS ACQN/DEVL LOCATION : USW UZ-N27 USW UZ-N54 USW UZ-N55	11/05/91-05/01/92	HP-62,R6, METHOD FOR MEASURING SUB-SURFACE MOISTURE CONTENT USING A NEUTRON MOISTURE METER.	A Y P
*GS941208312212.019	NEUTRON PROBE VOLUMETRIC WATER CONTENT CALIBRATION EQUATIONS, DEVELOPED IN 1994. ACQN/DEVL LOCATION : USGS HRF, NTS, NV	01/24/94-06/30/93	HP-254,R0, DEVELOPMENT AND USE OF A CALIBRATION EQUATION FOR A HAND HELD NEUTRON MOISTURE METER	D Y P
*GS941208312213.015	SUBSURFACE WATER CONTENT AT 5 BOREHOLES USED IN THE UE-25 UZN#7 PONDING EXPERIMENT ACQN/DEVL LOCATION : USGS HRF, NTS, NV	09/19/94-09/30/94	VOLUMETRIC WATER CONTENTS WERE DETERMINED BY APPLYING CALIBRATION EQUATIONS AND LAB-TO-FIELD TRANSFER EQUATIONS DEVELOPED IN ACCORDANCE WITH HP-254,R0, DEVELOPMENT AND USE OF A CALIBRATION EQUATION FOR A HAND HELD NEUTRON MOISTURE METER, TO THE NEUTRON COUNTS OBTAINED AT THE BOREHOLES.	D Y P
*GS950308312213.001	FY94 BOREHOLE GEOPHYSICAL LOGGING GAMMA-GAMMA COUNTS ACQN/DEVL LOCATION : UE-25 UZ#4 UE-25 UZ#5 UE-25 UZN#13 UE-25 UZN#14 UE-25 UZN#2 UE-25 UZN#28 UE-25 UZN#3 UE-25 UZN#39 UE-25 UZN#4	10/01/94-03/03/95	GAMMA-GAMMA COUNTS WERE COLLECTED AT SELECTED BOREHOLES IN ACCORDANCE WITH HP-274,R1, GEOPHYSICAL LOGGING USING GAMMA-GAMMA GEOPHYSICAL LOGGING PROBE.	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	UE-25 UZN#5 UE-25 UZN#6 UE-25 UZN#63 UE-25 UZN#7 UE-25 UZN#8 UE-25 UZN#9 UE-25 UZN#97 USW UZ-N24 USW UZ-N54 USW UZ-N98			
*GS950308312213.002	FY94 BOREHOLE ASSUMED DENSITY AND GEOPHYSICAL LOGGING CALIBRATION EQUATIONS. (PACKAGE ALSO CONTAINS CALIBRATION GAMMA-GAMMA COUNTS FROM WHICH THE EQUATIONS WERE DERIVED.) ACQN/DEVL LOCATION : HRF, AREA 25, NTS, NV	10/01/94-03/01/95	HP-277,R0, DEVELOPMENT AND USE OF A CALIBRATION EQUATION FOR THE GAMMA-GAMMA GEOPHYSICAL LOGGING PROBE.	D Y P
	Activity - 8.3.1.2.2.2.1			
*LA000000000120.001	INFILTRATION PROCESSES AT YUCCA MOUNTAIN INFERRED FROM CHLORIDE AND CHLORINE-36 DISTRIBUTIONS ACQN/DEVL LOCATION : LANL	06/12/90-12/21/94	CHLORIDE CONCENTRATIONS AND 36CL/CL RATIOS A N P FOR CHLORIDE EXTRACTED FROM GROUNDWATER, SOIL, AND REAM-BIT CUTTINGS WERE USED TO PROVIDE INFORMATION ON CHARACTERISTICS OF WATER MOVEMENT THROUGH THE UNSATURATED ZONE AT YUCCA MOUNTAIN. CL IS MEASURED BY ION CHROMOTOGRAPHY AND 36CL/CL RATIOS BY ACCELERATED MASS SPECTROSCOPY.	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*LA000000000124.001	SIGNIFICANCE OF APPARENT DISCREPANCIES IN WATER AGES DERIVED FROM ATMOSPHERIC RADIONUCLIDES AT YUCCA MOUNTIAN, NEVADA	03/01/93-01/30/95	36CL/CL RATIOS FOR CHLORIDE EXTRACTED FROM A Y P GROUNDWATER AND REAM-BIT CUTTINGS WERE USED TO PROVIDE INFORMATION ON CHARACTERISTICS OF WATER MOVEMENT THROUGH THE UN-SATURATED ZONE AT YUCCA MOUNTIAN. 36CL/CL RATIOS WERE MEASURED BY ACCELERATOR MASS SPECTROSCOPY.	
ACQN/DEVL LOCATION : LOS ALAMOS NATIONAL LABORATORY				
Activity - 8.3.1.2.2.3.1				
**GS920508312231.010	COMPOSITE TRANSECT DATASET: INCLUDES REPRESENTATIVE SAMPLE RESULTS FROM SURFACE OUTCROP STUDIES WITH DATA ON POROSITY, BULK DENSITY, PARTICLE DENSITY AND SORPTIVITY, SATURATED HYDRAULIC CONDUCTIVITY AND MOISTURE RETENTION.	06/01/91-03/30/92	BULK DENSITY: ARCHIMEDE'S DISPLACEMENT, POROSITY: SATURATION DETERMINATION, PARTICLE DENSITY CALCULATED, SORPTIVITY CALCULATED FROM IMBIBITION MEASUREMENTS. ABOVE CALCULATIONS DONE USING RELATIVE HUMIDITY OVEN DRY WEIGHTS. MOISTURE RETENTION 0 TO 15 BARS ON PRESSURE PLATE, 1200 BAR CALCULATIONS USING RH OVEN WATER POTENTIAL AND CALCULATED SATURATION.	A Y C
ACQN/DEVL LOCATION : BUSTED BUTTE VERTICAL TRANSECT CALICO HILLS VERTICAL TRANSECT PAGANY WASH VERTICAL TRANSECT SHARDY BASE HORIZONTAL TRANSECT TOPOPAH CAPROCK HORIZONTAL TRANSECT UZ6 VERTICAL TRANSECT YUCCA CREST HORIZONTAL TRANSECT				
**GS920508312231.011	USW GU-3 CORE ANALYSES. RESULTS FROM 69 SAMPLES FROM TOPOPAH SPRING SHARDY BASE (1263.8 FT.) TO PROW PASS PARTIALLY WELDED (1883.5 FT.), WITH MEASUREMENTS OF POROSITY, BULK DENSITY, PARTICLE DENSITY, SORPTIVITY AND SATURATED CONDUCTIVITY.	09/01/91-02/28/92	BULK DENSITY IS ARCHIMEDE'S METHOD, POROSITY USING SATURATION, PARTICLE DENSITY CALCULATED FROM ABOVE, SATURATED HYDRAULIC CONDUCTIVITY IS STEADY STATE, AND SORPTIVITY IS CALCULATED FROM IMBIBITION MEASUREMENTS. ALL CALCULATIONS DONE USING RELATIVE HUMIDITY OVEN DRY WEIGHTS.	A Y C
ACQN/DEVL LOCATION : USGS HRF, NTS, NV				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS921208312231.016	LABORATORY TEST RESULTS FOR CORE SAMPLES FROM TWO-DIMENSIONAL SHARDY BASE TRANSECT. ACQN/DEVL LOCATION : USGS HRF LAB, AREA 25, NTS, NV	02/01/92-11/13/92	LABORATORY MEASUREMENTS OF POROSITY, BULK DENSITY, PARTICLE DENSITY, SATURATED HYDRAULIC CONDUCTIVITY, AND SORPTIVITY.	A N C
**GS930108312231.001	MOISTURE RETENTION DATA COLLECTED ON COMPOSITE TRANSECT DATASET USING CHILLED-MIRROR PSYCHROMETER. ACQN/DEVL LOCATION : USGS HRF, NTS, NV	10/01/92-01/12/93	MOISTURE RETENTION CURVES DETERMINED USING A CHILLED MIRROR PSYCHROMETER TO MEASURE WATER POTENTIAL ON CORE SUBSAMPLES THAT HAVE BEEN SATURATED AND LET TO EVAPORATE TO VARIOUS WATER CONTENTS, COMPOSITE CORES WERE SLICED TO PRODUCE 1" X .25" CORES FOR MEASUREMENTS.	A N C
**GS940108312231.001	PHYSICAL AND HYDROLOGIC PROPERTIES OF 686 SURFACE OUTCROP SAMPLES FROM 8 TRANSECTS. ACQN/DEVL LOCATION : USGS HRF, NTS, NV	06/01/91-11/30/93	CORE SAMPLES COLLECTED IN THE FIELD, PROCESSED IN THE LAB FOLLOWING HP-229, R0 - R2, DETERMINATION OF WATER CONTENT AND PHYSICAL PROPERTIES FOR LABORATORY ROCK SAMPLES, TO DETERMINE BULK DENSITY, POROSITY, PARTICLE DENSITY. SORPTIVITY AND SATURATED HYDRAULIC CONDUCTIVITY WERE ALSO DETERMINED.	A N C
**GS940408312231.005	CURVE FITS FOR MOISTURE RETENTION DATA COLLECTED ON COMPOSITE TRANSECT DATASET ACQN/DEVL LOCATION : USGS HRF, NTS, NV	09/15/93-04/15/94	CURVES FITTED USING VAN GENUCHTEN EQ. AND MODELING (1) ALPHA, N AND M, AND (2) ALPHA AND N ONLY (CALCULATING M WHICH EQUALS 1 - 1/N). ALSO USED (3) BROOKS AND COREY.	D N C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940908312231.009	THE INFLUENCE OF SCALE ON CALCULATED SORPTIVITY VALUES FROM IMBIBITION EXPERIMENTS ON WELDED AND NON-WELDED TUFF, BY A.L. FLINT, L.E. FLINT, AND K.A. RICHARDS ACQN/DEVL LOCATION : USGS HRF, NTS, NV	11/01/89-08/31/90	EVALUATION OF DATA COLLECTED FROM BOREHOLE IMBIBITION EXPERIMENTS IN GTUF AND LABORATORY MEASUREMENTS OF IMBIBITION AND WATER CONTENTS ON CORE FROM GTUF BOREHOLE	D N C
*GS950308312231.001	AIR PERMEABILITY FOR UZ-16 AND RADIAL BOREHOLES, 14 NOV 94 TO 2 DEC 94 ACQN/DEVL LOCATION : USGS HYDROLOGIC RESEARCH FACILITY, NTS, NV	11/14/94-12/02/94	HP-266, R0, METHOD FOR MEASURING SATURATED HYDRAULIC CONDUCTIVITY AND AIR PERMEABILITY ON ROCK SAMPLES USING A LOW-PRESSURE HASSLER PERMEAMETER	A Y P
*GS950308312231.002	LABORATORY MEASUREMENTS OF BULK DENSITY, POROSITY, AND WATER CONTENT FOR SD-12, FROM 19 MAR 94 TO 11 AUG 94, AND FOR RADIAL BOREHOLES FROM 11 APR 94 TO 6 FEB 95. ACQN/DEVL LOCATION : USGS HRF, NTS, NV	03/19/94-08/11/94 04/11/94-02/06/95	HP-229, R3 DETERMINATION OF WATER CONTENT AND PHYSICAL PROPERTIES FROM LABORATORY SAMPLES	A Y P
*GS950308312231.003	UZ-16 PYCNOMETER DATA, 9 SEP 93 TO 30 JUL 94 ACQN/DEVL LOCATION : USGS HRF. AREA 25, NTS, NV	09/01/93-07/30/94	DATA WERE COLLECTED PER HP-229, R3, "DETERMINATION OF WATER CONTENT AND PHYSICAL PROPERTIES FOR LABORATORY ROCK SAMPLES"; HP-243, R0, "METHOD FOR MEASURING THE PARTICLE VOLUME AND/OR PARTICAL DENSITY OF ROCK OR SOIL SAMPLES USING THE MICROMETRICS ACCUPYC 1330 PYCNOMETER"; HP-255, R0, "DETERMINATION OF WATER POTENTIAL USING THE DECAGON CX-2 WATER ACTIVITY SYSTEM".	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.2.3.2				
**GS900908312232.001	GEOHYDROLOGIC DATA FROM TEST HOLE USW UZ-7, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, BY JACK KUME AND D.P. HAMMERMEISTER. METRIC CONVERSIONS IN LITHOLOGIC LOG, TABLE 3, ARE SUPERSEDED BY GS930708314211.031. ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/86-12/31/86	USGS STANDARD COLLECTION METHODS.	D N T
**GS930608312232.016	DRILLING AND GEOHYDROLOGIC DATA FOR TEST HOLE USW UZ-1, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY M.S. WHITFIELD, W. THORDARSON, AND D.P. HAMMERMEISTER. ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/89-06/05/90	DESCRIPTION & INTERPRETATION OF GEOHYDROLOGIC DATA.	D N T
**GS940108312232.008	APPLICATIONS OF MULTI-MODE IMAGING TO MULTIPLE OFFSET VSP DATA, BY A.H. BALCH, CEMAL ERDEMIR AND JOSEPH P. ROUSSEAU ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO	08/01/93-01/27/94	DATA WERE DEVELOPED THROUGH THE FOLLOWING SOFTWARE PRODUCTS: PROMAX/4.0; SU/YMP-2.0; RTM/2.0; WAVESEP2.0; MICROMAX/2.0; LANDMARK/1.0; RTMSGN/2.0; LOADVEL 2.0; RTRC/2.0; SEGYDECON/2.0; TOMO/2.0.	D N C
**GS940408312232.010	ELASTIC WAVE VELOCITY MEASUREMENTS IN PLUG CORE SAMPLES FROM BOREHOLE UE-25 UZ #16, YUCCA MOUNTAIN, NYE COUNTY, NEVADA ACQN/DEVL LOCATION : PBT, INC. GOLDEN, CO	06/01/93-07/27/93	DATA WERE DEVELOPED IN ACCORDANCE WITH GOOD SCIENTIFIC PRACTICES ACCORDING TO CONTRACT PURCHASE AGREEMENT (P.O. 162397-93)	A Y T

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
**GS941008312232.013	DATA, INCLUDING PRESSURE, TEMPERATURE AND WATER POTENTIAL, COLLECTED FROM THE HRF TEST BOREHOLES UE-25 HRF UZP#1, UE-25 HRF UZP#2A, AND UE-25 HRF UZP#3A ACQN/DEVL LOCATION : UE-25 HRFUZP#1 UE-25 HRFUZP#2A UE-25 HRFUZP#3A	04/01/94-09/30/94	DATA FROM THE HRF BOREHOLES WERE COLLECTED A N C USING THE HDAS SOFTWARE PROGRAM AND EXTRACTED TO A BINARY STRUCTURE FOR DISPLAY.
*GS950108312232.001	PRESSURE, TEMPERATURE AND MASS FLOW MEASUREMENTS FROM NRG-7A BOREHOLE AIR INJECTION TESTING BETWEEN 7/13/94 AND 9/10/94. ACQN/DEVL LOCATION : USW NRG-7A	07/13/94-09/10/94	DATA WERE ACQUIRED DURING AIR INJECTION A Y P TESTING IN NRG-7A, USING SCIENTIFIC NOTEBOOK PLAN HP-241T (SN-0033), AIR PERMEABILITY TESTING, AS DOCUMENTED IN VOL.3, PP.6-98. DATA WERE REDUCED TO ENGINEERING UNITS OF PRESSURE, TEMPERATURE AND MASS FLOW USING QUATTRO PRO.
*GS950108312232.002	PRESSURE, TEMPERATURE AND MASS FLOW MEASUREMENTS FROM NRG-6 BOREHOLE AIR INJECTION TESTING BETWEEN 10/11/94 AND 11/04/94. ACQN/DEVL LOCATION : USW NRG-6	10/11/94-11/04/94	DATA WERE ACQUIRED DURING AIR INJECTION A Y P TESTING IN NRG-6 USING SCIENTIFIC NOTEBOOK PLAN HP-241T (SN-0033), AIR PERMEABILITY TESTING, AS DOCUMENTED IN VOL.3, PP.99-141. DATA WERE REDUCED TO ENGINEERING UNITS OF PRESSURE, TEMPERATURE AND MASS FLOW USING QUATTRO PRO.

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
Activity - 8.3.1.2.2.4.2			
**GS941108312242.002	PROTOTYPE PERCOLATION TEST: BASIC DATA REPORT ON WELDED TUFF CORE EXPERIMENTS, BY MAREK CIESNIK, JENNIFER CURTIS, ALAN FLINT, DAVID HAMPSON AND FALAH THAMIR	10/01/89-09/30/94	WATER IMBIBITION INTO SEVERAL SAMPLES OF A A N P CORE OF WELDED TUFF FROM A BOULDER COLLECTED FROM THE COLUMNAR UNIT OF THE TIVA CANYON MEMBER. DETERMINATION OF WATER POTENTIAL USING RICHARDS (BRAND NAME) PSYCHROMETERS AND WATER ACITIVITY METER. DETERMINATION OF WATER SATURATION FROM IMBIBITION. CONSTRUCTION OF MOISTURE RETENTION CURVES. DRYING RATE DETERMINED FOR VARIOUS WATER SATURATIONS.
ACQN/DEVL LOCATION : USGS-WRD LAB, DENVER, CO			
Activity - 8.3.1.2.2.4.4			
*GS950308312244.001	AIR-PERMEABILITY TESTING PROGRAM - ESF, ALCOVE 1; SINGLE HOLE INJECTION TESTING, DATA COLLECTED BETWEEN 08/09/94 AND 11/14/94.	08/09/94-11/14/94	DATA WERE ACQUIRED DURING AIR INJECTION TESTING IN ESF ALCOVE 1 USING SCIENTIFIC NOTEBOOK SN-0063, AIR PERMEABILITY TESTING, AND REDUCED TO ENGINEERING UNITS OF PRESSURE, TEMPERATURE AND MASS FLOW USING QUATTRO PRO.
ACQN/DEVL LOCATION : ALCOVE 1, ESF			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.2.4.7				
*GS950208315142.003	URANIUM AND THORIUM ISOTOPE DATA DETERMINED BY MASS SPECTROMETRY 1/1/94 - 9/1/94	01/01/94-09/01/94	YMP-USGS-GCP-03,R2 AND R3, URANIUM-THORIUM A Y P DISEQUILIBRIUM STUDIES	
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.2.2.6.1				
**GS931008312261.003	1. TEMP. DATA, DOWNHOLE, WELL USW UZ-6S FROM JAN. 22, 1993 TO FEB. 17, 1993; 2. BOREHOLE FLOW, DIRECTION, TEMPERATURE AND RELATIVE HUMIDITY DATA FROM WELL USW UZ-6S FROM MAY 25, 1993 TO OCT. 18, 1993; 3. SUBSURFACE FLOW DATA @ WELL USW UZ-16 ON MAY 27 AND JUNE 16, 1993	01/22/93-02/17/93 05/25/93-10/18/93 05/27/93-05/27/93 06/16/93-06/16/93	TECHNICAL PROCEDURES: 1. HP-175,R2,R2-M1 AND R3, METHOD FOR SURFACE MEASUREMENTS OF VELOCITY, DIRECTION, TEMPERATURE AND HUMIDITY OF CONVECTIVE AIRFLOW IN TOPOGRAPHICALLY-AFFECTED (VARYING) WELLS, HP-177,R1 AND R2, OPERATION OF A (SETRA MODEL 270) BAROMETRIC PRESSURE TRANSDUCER, AND HP-178,R0,R1,R1-M1 AND R2, PROCEDURE TO MEASURE TEMPERATURE, HUMIDITY, DIFFERENTIAL PRESSURE AND AIRFLOW AT SELECTED DEPTHS IN UZ BOREHOLE	A Y C
	ACQN/DEVL LOCATION : UE-25 UZ#16 USW UZ-6S			
**GS940708312261.004	SHUT-IN PRESSURE TEST DATA FROM DECEMBER 1992 TO FEBRUARY 1994 FROM SELECT WELLS AND BOREHOLES AT YUCCA MOUNTAIN, NEVADA	12/18/92-02/06/94	DATA WERE ACQUIRED USING HYDROLOGIC PROCEDURE HP-257,R0, METHOD TO MEASURE SHUT-IN PRESSURE IN UNSATURATED ZONE BOREHOLES	A Y C
	ACQN/DEVL LOCATION : UE-25 A#4 UE-25 UZ#16 USW NRG-6 USW UZ-13 USW UZ-6 USW UZ-6S			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940708312261.006	BOREHOLE FLOW, DIRECTION, TEMPERATURE, AND RELATIVE HUMIDITY DATA FROM WELL USW UZ-6S FROM OCTOBER 22, 1993, TO MARCH 7, 1994.	10/18/93-03/07/94	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-175,R3, METHOD FOR SURFACE MEASUREMENTS OF VELOCITY, DIRECTION, TEMPERATURE, AND HUMIDITY OF CONVECTIVE AIRFLOW IN TOPOGRAPHICALLY-VARYING WELLS; HP-177,R2, OPERATION OF A BAROMETRIC PRESSURE TRANSDUCER; AND HP-178,R2, PROCEDURE TO MEASURE TEMPERATURE, HUMIDITY, DIFFERENTIAL PRESSURE, AND AIRFLOW AT SELECTED DEPTHS IN UZ BOREHOLE. REFERENCE USGS-QDR-94033.	A Y C
	ACQN/DEVL LOCATION : USW UZ-6S			
*GS941208312261.007	RESULTS OF ANALYSIS OF GAS SAMPLES FROM YUCCA MOUNTAIN: CARBON DIOXIDE AND METHANE RESULTS FOR 5/88, 8/88, 9/88, 1/89, 3/89 AND 5/89 SAMPLING TRIPS, AND CARBON 14 RESULTS FOR 4/84 AND 5/85 SAMPLING TRIPS, FROM SHALLOW SOIL GAS COLLECTORS IN THE VICINITY OF USW UZ-6S; FREON 11, FREON 12, AND FREON 113 GAS RESULTS FROM USW WELLS UZ-6, UZ-6S, UZ-N71, UZ-N72, UZ-N73, UZ-N74, UZ-N75, UZ-N76, UZ-N93, UZ-N94, AND UZ-N95 FOR 3/92, AND 3/93 SAMPLING TRIPS	04/06/84-03/26/93	THESE DATA WERE ACQUIRED USING STANDARD S.M.U. LAB PROCEDURES FOR CARBON 14 ANALYSIS, AND TECHNICAL PROCEDURE HP-160, R0, METHOD FOR ANALYSIS OF SAMPLES FOR GAS COMPOSITION BY GAS CHROMATOGRAPHY. GAS SAMPLES WERE COLLECTED BY METHODS SIMILAR TO THOSE DESCRIBED IN HP-262,R0, COLLECTION OF CHLOROFLUOROCARBON GAS SAMPLES FOR AGE DATING, AND HP-256,R0, METHOD FOR COLLECTING AND STORING CO2 GAS SAMPLES FROM BOREHOLE ATMOSPHERE OR FROM FREE AIR BY ABSORPTION IN A KOH SOLUTION.	A N P
	ACQN/DEVL LOCATION : S.M.U., DALLAS, TX USGS HRF, NTS, NV USGS UZ HYDROCHEMISTRY LAB, DENVER, CO			

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*GS941208312261.008	CARBON DIOXIDE, METHANE, CARBON 14, AND CARBON 13/12 DATA FROM USW NRG-6 AND USW NRG-7 FOR MAY AND JUNE 1994; AND CARBON 14 DATA FROM USW WELLS NRG#5, UZ-6S, UZ-N27, UZ-N62, UZ-N64, UZ-N93, UZ-N94, AND UZ-N95 FROM MARCH 1994.	05/04/94-09/08/94	THESE DATA WERE ACQUIRED USING STANDARD KRUEGER GEOCHRON LAB PROCEDURES FOR CARBON 14 ANALYSIS; GEOCHEMICAL PROCEDURES GCP-16,R4, CARBONATE CARBON AND OXYGEN ISOTOPE ANALYSES, AND GCP-33,R0, EXTRACTION OF SOIL GAS CO2 FOR STABLE ISOTOPE ANALYSIS, AND HYDROLOGIC PROCEDURE HP-160,R2 AND R2-M1, METHODS FOR ANALYSIS OF SAMPLES FOR GAS COMPOSITION BY GAS CHROMATOGRAPHY. GAS SAMPLES WERE COLLECTED USING HP-56,R3 AND R3-M1, GAS AND WATER VAPOR SAMPLING FROM UNSATURATED-ZONE TEST HOLES AND HP-176,R2, PROCEDURE TO COLLECT GAS SAMPLES AT SELECTED DEPTH INTERVALS IN OPEN UNSATURATED ZONE BOREHOLES	A Y P
	ACQN/DEVL LOCATION : KRUEGER GEOCHRON LABS, CAMBRIDGE, MA USGS MOBILE LAB, AREA 25, NTS, NV USGS, STABLE ISOTOPE LAB, DENVER, CO			
*GS950208312261.001	SHUT-IN PRESSURE TEST DATA FROM MAY 1994 TO SEPTEMBER 1994 FROM BOREHOLE UE-25 NRG#4	05/28/94-09/06/94	DATA WERE ACQUIRED USING HYDROLOGIC PROCEDURE HP-257, R0, METHOD TO MEASURE SHUT-IN PRESSURE IN UNSATURATED ZONE BOREHOLES	A Y P
	ACQN/DEVL LOCATION : UE-25 NRG#4			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.2.7.1				
**GS940908312271.002	SF6 CONCENTRATIONS IN TEST FLASK ATMOSPHERE AT END OF ADSORPTION TEST USING CRUSHED VOLCANIC TUFF FROM UE-25 UZ#4 AND UE-25 UZ#5.	05/01/92-12/31/93	DATA WERE ACQUIRED USING USGS TECHNICAL PROCEDURES HP-160,R1 AND R2, METHODS FOR ANALYSIS OF SAMPLES FOR GAS COMPOSITION BY GAS CHROMATOGRAPHY; HP-210,R0, METHOD FOR CRUSHING TUFF NEEDED FOR TRACER TESTS.	A Y C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS940908312271.014	DENSITY, POROSITY, CATION EXCHANGE CAPACITY (CEC), SURFACE AREA DATA, MINERALOGICAL ANALYSES, TRACER GAS SORBED ONTO SAMPLES AND VALUES FOR THE CONSTANTS, CORRELATION COEFFICIENTS AND STANDARD ESTIMATE OF ERROR FOR THE FREUNDLICH ISOTHERM AND RETENTION EQUATIONS	10/01/92-12/31/93	PROTOTYPE TESTING METHODS AND STANDARD USGS AND OUTSIDE VENDOR LAB METHODS. (DENSITY DETERMINED BY MEASURING VOLUME & WEIGHING SAMPLE. POROSITY DETERMINED BY MEASURING VOLUME OF WATER ADDED TO ACHIEVE SATURATION. SURFACE AREA DETERMINED USING QUANTASORB SORPTION ANALYZER AND GEMINI 2360 SURFACE AREA ANALYZER. DETAILED DESCRIPTIONS OF PROCEDURES WILL BE FOUND IN RATTRAY ETAL, "ADSORPTION OF SULFUR HEXAFLUORIDE ONTO CRUSHED VOLCANIC TUFFS FROM YUCCA MOUNTAIN, NEVADA".)	A N C
	ACQN/DEVL LOCATION : CRYSTAL RESEARCH LABS, GOLDEN, CO USGS BRANCH OF GEOCHEMISTRY, DENVER, CO USGS NWQL, DENVER, CO USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.2.7.2				
**GS920908312272.011	FLOW AND TRANSPORT THROUGH UNSATURATED ROCK--DATA FROM TWO TEST HOLES , YUCCA MOUNTAIN ,NEVADA, BY I.C.YANG	01/01/89-04/01/92	INTERPRETING DATA RESULTS FROM UE-25UZ#4 AND UE-25UZ#5 AS IDENTIFIED. TRITIUM (3H) AND CHEMISTRY DATA WERE ANALYZED AND INTERPRETED. CARBON ISOTOPES ARE ALSO EXAMINED.	D N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS940908312272.002	1992 - 1994 PORE WATER MECHANICAL DATA FOR PORE WATER EXTRACTION BY HIGH PRESSURE ONE DIMENSIONAL COMPRESSION OF USW UZ-14 AND UE-25 UZ#16 CORES. PRIMARY DATA ARE SATURATION, MOISTURE CONTENT, WATER VOLUME EXTRACTED AND EXTRACTION SUCCESS.	11/01/92-02/28/94	USGS TECHNICAL PROCEDURES HP-223,R0, METHOD FOR PORE-WATER EXTRACTION USING ONE-DIMENSIONAL COMPRESSION; HP-249,R0, METHOD FOR PORE-WATER EXTRACTION USING HIGH-PRESSURE ONE-DIMENSIONAL COMPRESSION.	A Y P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.2.2.8.1				
*GS950208312281.001	TRANSIENT DUAL-POROSITY SIMULATIONS OF UNSATURATED FLOW IN FRACTURED ROCKS, BY R. ZIMMERMAN, T. HADGU, AND G. BODVARSSON.	10/01/93-11/30/94	SOURCE DATA WERE USED AS INPUT DATA FOR FOR TESTING NEW SIMULATION PROCEDURE.	D N P
	ACQN/DEVL LOCATION : LAWRENCE BERKELEY LABORATORY, BERKLEY, CA			
*GS950308312281.001	DATA TRANSFER TO EARTH VISION MODEL, BY G.S. BODVARSSON AND M. BANDURRAGA.	12/01/94-01/31/95	HYDROGEOLOGICAL PARAMETERS AND GEOLOGIC DATA WERE INPUT TO A 2-D AND 3-D MODEL. SIMULATIONS WERE PERFORMED USING THE INTEGRAL FINITE-DIFFERENCE COMPUTER CODE TOUGH2 WITH OUTPUTS OF "BASE CASE" PERMEABILITY, POROSITY, AND VAN GENUCHTEN PARAMETER DISTRIBUTIONS. THE OUTPUT DATA FILES PROVIDE THE SIMULATED FLUIDS POTENTIAL FIELDS, INCLUDING CAPILLARY PRESSURES AND SATURATIONS.	D N P
	ACQN/DEVL LOCATION : LAWRENCE BERKELEY LABORATORY, BERKELEY, CA			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS950308312281.002	CALIBRATION OF GAS PHASE MODEL FOR ESF, BY G.S. BODVARSSON AND R. AHLERS.	12/01/94-01/31/95	GAS DATA FROM TWO WELLS AT YUCCA MOUNTAIN AND RESULTS FROM TWO-DIMENSIONAL MODEL STUDIES WERE ANALYZED AND INCORPORATED INTO THE THREE DIMENSIONAL SITE SCALE MODEL USING TOUGH2 COMPUTER PROGRAM	D N P
ACQN/DEVL LOCATION : LAWRENCE BERKELEY LABORATORY, BERKELEY, CA				
Activity - 8.3.1.2.3.1.2				
**GS920808312312.017	TRANSDUCER OUTPUT DATA FROM WELLS IN THE YUCCA MOUNTAIN AREA SHOWING RESPONSE TO EARTHQUAKES ON JUNE 28 AND JUNE 30, 1992	06/26/92-07/11/92	WATER-LEVEL RESPONSE DATA COLLECTED ACCORDING TO HP-60, R2, METHOD FOR MONITORING WATER-LEVEL CHANGES USING PRESSURE TRANSDUCERS AND PRESSURE TRANSMITTERS; HP-196T,R0, DATA COLLECTION PLATFORMS; AND HP-221T,R0, MONITORING THE WELL WATER LEVEL OR FLUID PRESSURE RESPONSE TO UNDERGROUND NUCLEAR EXPLOSIONS OR EARTHQUAKES. TABLE SHOWING MONITORING DEPTHS OF WELLS CONTAINS STANDARD PROJECT INFORMATION.	A Y T
ACQN/DEVL LOCATION : UE-25 B #1 UE-25 P #1 UE-25 WT #13 UE-25 WT #3 USW G-3 USW H-1 USW H-3 USW H-4 USW H-5 USW H-6 USW WT-11 USW WT-2				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940408312312.008	WATER-LEVEL ALTITUDE DATA, FIRST QUARTER 1994.	01/01/94-03/31/94	HP-75,R1 "METHOD FOR MEASURING WATER-LEVELS IN WELLS USING REELED (2600 AND 2800 FT) STEEL TAPES," AND HP-25,R1 "METHOD FOR MEASURING WATER LEVEL USING A PORTABLE MULTICONDUCTOR CABLE."	A N T

ACQN/DEVL LOCATION :

- UE-25 WT #12
- UE-25 WT #13
- UE-25 WT #14
- UE-25 WT #15
- UE-25 WT #16
- UE-25 WT #17
- UE-25 WT #18
- UE-25 WT #4
- UE-25 WT #6
- UE-25B #1
- UE-25P #1
- USW G-2
- USW H-1
- USW H-4
- USW H-5
- USW NRG-7
- USW VH-1
- USW WT-1
- USW WT-10
- USW WT-11
- USW WT-2
- USW WT-7
- WELL J-11
- WELL J-12
- WELL J-13

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940708312312.010	WATER-LEVEL ALTITUDE DATA, PERIODIC NETWORK, SECOND QUARTER, 1994	04/01/94-06/30/94	HP-75,R1, "METHOD FOR MEASURING WATER-LEVELS IN WELLS USING REELED (2600 AND 2800 FT) STEEL TAPES," AND HP-25,R1, "METHOD FOR MEASURING WATER LEVEL USING A PORTABLE MULTICONDUCTOR CABLE."	A N T
	ACQN/DEVL LOCATION :			
	UE-25 B#1			
	UE-25 J#11			
	UE-25 J#12			
	UE-25 J#13			
	UE-25 WT#12			
	UE-25 WT#14			
	UE-25 WT#15			
	UE-25 WT#16			
	UE-25 WT#17			
	UE-25 WT#18			
	UE-25 WT#4			
	UE-25 WT#6			
	USW G-3			
	USW H-1			
	USW H-6			
	USW UZ-14			
	USW VH-1			
	USW WT-1			
	USW WT-10			
	USW WT-7			
**GS940908312312.011	WATER-LEVEL ALTITUDE DATA FROM CONTINUOUS-NETWORK WELLS, 1993	01/01/93-12/31/93	RAW TRANSDUCER MILLIVOLT VALUES CONVERTED TO WATER-LEVEL ALTITUDE ABOVE SEA LEVEL DATA USING STANDARD STATISTICAL TECHNIQUES. TECHNICAL PROCEDURES HP-60,R2 AND R3, METHOD FOR MONITORING WATER LEVEL CHANGES USING PRESSURE TRANSDUCERS AND PRESSURE TRANSMITTERS; HP-71,R0, METHOD FOR MONITORING WATER-LEVEL CHANGES USING A CAMPBELL SCIENTIFIC 21X MICROLOGGER; HP-196,R1, METHOD FOR COLLECTING WATER LEVEL DATA USING DATA COLLECTION PLATFORMS	A Y T
	ACQN/DEVL LOCATION :			
	UE-25 B#1			
	UE-25 P#1			

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DATA TRACKING NO. TITLE/DESCRIPTION ACQN/DEVL PERIOD ACQN/DEVL METHOD

UE-25 WT#13
UE-25 WT#3
USW G-3
USW H-1
USW H-3
USW H-4
USW H-5
USW H-6
USW WT-11
USW WT-2

**GS941008312312.012 WATER-LEVEL ALTITUDE DATA FROM THE PERIODIC NETWORK, THIRD QUARTER 1994.

07/01/94-09/30/94 DEPTH-TO-WATER COLLECTED USING HP-75,R1, A N T "METHOD FOR MEASURING WATER-LEVELS IN WELL USING REELED (2600 AND 2800 FT) STEEL TAPES," AND HP-25,R1 AND R2, "METHOD FOR MEASURING DEPTH-TO-WATER WITH A CABLE UNIT." WATER-LEVEL ALTITUDE CALCULATED USING STANDARD MATHEMATICAL TECHNIQUES.

ACQN/DEVL LOCATION : SD-9
UE-25 B#1
UE-25 J#-11
UE-25 J#12
UE-25 J#13
UE-25 WT#12
UE-25 WT#13
UE-25 WT#15
UE-25 WT#16
UE-25 WT#17
UE-25 WT#18
UE-25 WT#3
UE-25 WT#6
USW G-3
USW H-1
USW H-3
USW H-4
USW UZ-14
USW VH-1
USW WT-11
USW WT-2
USW WT-7

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS941108312312.013	WATER-LEVEL ALTITUDE DATA FROM WELL USW G-2, 2/22/94 THROUGH 11/14/94.	02/22/94-11/14/94	HP-60,R3, "METHOD FOR MONITORING WATER LEVEL CHANGES USING PRESSURE TRANSDUCERS AND PRESSURE TRANSMITTERS," HP-75,R1 AND R2, "METHOD FOR MEASURING WATER-LEVELS IN WELLS USING REELED (2600-FT AND 280-FT) STEEL TAPES," AND HP-196,R1 AND R2, "METHOD FOR COLLECTING WATER LEVEL DATA USING DATA COLLECTION PLATFORMS."	A N T
	ACQN/DEVL LOCATION : USW G-2			
*GS950108312312.001	WATER-LEVEL ALTITUDE DATA FROM THE PERIODIC NETWORK, FOURTH QUARTER 1994.	10/01/94-12/31/94	HP-25,R2, "METHOD FOR MEASURING DEPTH-TO-WATER WITH A CABLE UNIT", AND HP-75,R1 AND R2, "METHOD FOR MEASURING DEPTH-TO-WATER IN WELLS USING REELED STEEL TAPES LONGER THAN 1,000 FEET". WATER-LEVEL ALTITUDE CALCULATED USING STANDARD MATHEMATICAL TECHNIQUES.	A N F
	ACQN/DEVL LOCATION : TEST WELL B UE-25 B#1 UE-25 C#1 UE-25 C#2 UE-25 J#11 UE-25 J#12 UE-25 J#13 UE-25 WT#12 UE-25 WT#13 UE-25 WT#15 UE-25 WT#16 UE-25 WT#17 UE-25 WT#18 UE-25 WT#6 USW G-2 USW G-3 USW H-1 USW H-3 USW H-6 USW UZ-14 USW VH-1 USW WT-11			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	USW WT-2 USW WT-7			
*GS950308312312.002	WATER LEVELS IN THE YUCCA MOUNTAIN AREA, NEVADA, 1993, BY P. TUCCI, R.L. GOEMAAT, AND D.J. BURKHARDT.	10/01/94-02/06/95	RAW TRANSDUCER DATA AND MANUAL DEPTH-TO-WATER DATA CONVERTED TO ALTITUDE OF WATER TABLE ABOVE SEA LEVEL USING STANDARD STATISTICAL TECHNIQUES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
	Activity - 8.3.1.2.3.1.3			
*GS950108312313.001	DEPTH-TO-WATER FROM THE C-WELL COMPLEX, NEVADA, 7/15/93 THROUGH 9/8/93.	07/15/93-09/08/93	DATA COLLECTED USING HP-60,R3, "METHOD FOR A N P MONITORING WATER LEVEL CHANGES USING PRESSURE TRANSDUCERS AND PRESSURE TRANSMITTERS."	
	ACQN/DEVL LOCATION : UE-25 C#1 UE-25 C#2 UE-25 C#3			
*GS950108312313.002	OPEN-ROLE BAROMETRIC EFFICIENCY IN BOREHOLES UE-25C #1, UE-25C #2, AND UE-25C #3, YUCCA MOUNTAIN, NEVADA, BY A.L. GELDON AND J.D. EARLE.	09/15/93-01/15/95	TRANSDUCER OUTPUT WAS CONVERTED TO DEPTH-TO-WATER AND USED WITH BAROMETRIC PRESSURE DATA TO CALCULATE BAROMETRIC EFFICIENCY.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS950108312313.003	BAROMETRIC PRESSURE DATA FROM UE-25 C#3 AND UE-25 P#1, NEVADA, 7/15/93 THROUGH 9/8/93	07/15/93-09/08/93	DATA COLLECTED USING HP-60,R3, "METHOD FOR A Y P MONITORING WATER LEVEL CHANGES USING PRESSURE TRANSDUCERS AND PRESSURE TRANSMITTERS."	
	ACQN/DEVL LOCATION : UE-25 C#3 UE-25 P#1			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.3.1.7				
*LA000000000119.001	THE USE OF SYNTHETIC COLLOIDS IN TRACER TRANSPORT EXPERIMENTS IN SATURATED ROCK FRACTURES.	01/01/93-07/01/94	TRANSPORT OF DISSOLVED SPECIES AND COLLOIDS WAS STUDIED BY MEASURING TRACER BREAK THROUGH CURVES IN FRACTURES IN YUCCA MOUNTAIN BULLFROG TUFF.	A Y P
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.2.3.2.2				
**GS940708312322.002	FIELD, CHEMICAL AND ISOTOPIC DATA DESCRIBING WATER SAMPLES COLLECTED FROM EIGHT SPRINGS AND ONE STREAM WITHIN DEATH VALLEY NATIONAL MONUMENT IN MARCH AND MAY 1993	03/15/93-06/30/94	SAMPLES COLLECTED ACCORDING TO HP-23,R2, "COLLECTION AND FIELD ANALYSIS OF GROUND-WATER SAMPLES FROM SATURATED ZONE."	A Y T
	ACQN/DEVL LOCATION : 35 40'53"N 116 25'18"W 35 57'13"N 116 35'04"W 36 30'45"N 116 49'16"W 36 58'09"N 116 58'38"W 36 35'58"N 117 00'46"W 36 50'34"N 117 05'35"W 37 01'56"N 117 19'29"W 37 01'23"N 117 23'02"W 37 01'39"N 117 23'07"W NATIONAL OCEAN SCIENCE AMS FACILITY, MA USGS NWQL, DENVER, CO			

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DATA TRACKING NO. TITLE/DESCRIPTION ACQN/DEVL PERIOD ACQN/DEVL METHOD

Activity - 8.3.1.2.3.2.3

**GS930908312323.003 HYDROCHEMICAL DATA FROM FIELD TESTS AND LAB ANALYSES OF WATER SAMPLES COLLECTED AT FIELD STATIONS USW VH-1, JF3, UE-29 UZN#91, VIRGIN SPRING, NEVARES SPRING, UE-25 J#12, UE-25 J#13, UE-22 ARMY#1, AND USW UZ-14 03/05/92-07/22/94 SAMPLES COLLECTED ACCORDING TO HP-23,R2 AND R3, "COLLECTION AND FIELD ANALYSIS OF GROUND-WATER SAMPLES FROM SATURATED ZONE," AND HP-225,R0, "METHODS USED TO COLLECT AND ANALYZE GROUND-WATER AND SURFACE-WATER SAMPLES." SAMPLES ANALYZED USING STANDARD USGS NWQL PROCEDURES AND LANL QA PROCEDURES. A Y T

ACQN/DEVL LOCATION : 36 56'24"N 116 22'29"W
36 30'47"N 116 49'16"W
JF3
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UE-22 ARMY#1
UE-25 J#12
UE-25 J#13
UE-29 UZN#91
USGS NWQL, DENVER, CO
USW UZ-14
USW VH-1

Activity - 8.3.1.2.3.3.2

**GS920908312332.001 FRACTURES ORIENTATION AND GEOMETRY - RAVEN CANYON 05/09/91-08/04/91 04/20/92-05/27/92 08/19/93-08/20/93 FIELD MEASUREMENTS USING TECHNICAL PROCEDURE GP-12,R1, MAPPING FRACTURES ON PAVEMENTS, OUTCROPS, AND ALONG TRAVERSES; AND HP-246,R0, MAPPING FRACTURES ON OUTCROPS FOR HYDROLOGIC STUDIES (EFFECTIVE 11/16/92). A Y P

ACQN/DEVL LOCATION : 36 40'30"N 116 32'30"W ;36 42'30"N 116 31 30"W

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS920908312332.002	FRACTURES ORIENTATION AND GEOMETRY - EAST OF LITTLE SKULL	04/06/91-05/10/91	FIELD MEASUREMENTS USING TECHNICAL PROCEDURE GP-12,R1, MAPPING FRACTURES ON PAVEMENTS, OUTCROPS, AND ALONG TRAVERSES	A Y P
	ACQN/DEVL LOCATION : 36 43'02"N 116 15'00"W ;36 43'49"N 116 13 52"W			
	Activity - 8.3.1.3.2.1.2			
*LA000000000086.002	MINERALOGIC VARIATION IN DRILL CORE UE-25 UZ#16 YUCCA MOUNTAIN, NEVADA	07/01/93-07/01/94	QUANTITATIVE X-RAY POWDER DIFFRACTION ANALYSIS	D Y P
	ACQN/DEVL LOCATION : LOS ALAMOS NATIONAL LABORATORY			
*LA000000000122.001	MODELING THE X-RAY DIFFRACTION PATTERN OF OPAL	02/14/94-01/30/95	DIFFRACTION PATTERNS FOR OPAL-CT WERE MODELED USING THE PROGRAM WILDFIRE. PATTERNS WERE CALCULATED FOR VARIOUS LIKELY STRUCTURAL STATES. CALCULATED PATTERNS WERE COMPARED TO PATTERNS COLLECTED FROM SEVERAL OPAL-CT STANDARDS. PATTERNS OF STANDARDS WERE COLLECTED USING LANL-EES-DP-16, R5, "SIEMENS X-RAY DIFFRACTION PROCEDURE"	A Y P
	ACQN/DEVL LOCATION : LOS ALAMOS NATIONAL LABORATORY			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.3.2.1.3				
*LA000000000100.001	FRACTURE LINING MINERALS IN DRILL CORE UE-25 UZ#16.	07/30/92-09/16/94	XRD POWDER DIFFRACTION	A Y P
	ACQN/DEVL LOCATION : LOS ALAMOS NATIONAL LABORATORY			
*LA000000000100.002	FRACTURE LINING MINERALS IN DRILL CORE UE-25 UZ#16	07/30/92-02/01/95	XRD POWDER DIFFRACTION	D Y P
	ACQN/DEVL LOCATION : LOS ALAMOS NATIONAL LABORATORY			
*LA000000000130.001	MULTIPLE EPISODES OF ZEOLITE DEPOSITION IN FRACTURED SILICIC TUFF	08/01/94-03/08/95	ELECTRON MICROPROBE ANALYSIS, SCANNING ELECTRON MICROSCOPE, AND THERMODYNAMIC MODELING	A N P
	ACQN/DEVL LOCATION : LOS ALAMOS NATIONAL LABORATORY			
Activity - 8.3.1.3.2.2.1				
**LA000000000036.001	WORKING PAPER ON CALICITE-SILICA DEPOSITS IN TRENCH 14 AND BUSTED BUTTE.	11/01/84-05/08/92	INSTRUMENTAL NEUTRON ACTIVATION ANALYSES AND QUANTITATIVE X-RAY DIFFRACTION ANALYSES.	A N T
	ACQN/DEVL LOCATION : BUSTED BUTTE QUADRANGLE (NEVADA) & LANL			
*LA000000000121.001	ION EXCHANGE AND DEHYDRATION STUDIES OF CLINOPTILITE: IMPLICATION TO ZEOLITE DATING	10/01/92-06/07/93	THE OBJECTIVE OF THE EXPERIMENT IS TO EVALUATE ARGON LOSS FROM CLINOPTILOLITE AT DIFFERENT TEMPERATURES IN SATURATED AND UNSATURATED ENVIRONMENTS OR CONDITIONS.	A Y P
	ACQN/DEVL LOCATION : LANL			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.3.2.2.2				
*LA000000000123.001	EQUILIBRIUM IN THE CLINOPTILOLITE-H2O SYSTEM	05/03/94-12/03/94	WATER CONTENT OF CA-, NA-, AND K- EXCHANGED CLINOPTILOLITE WAS MEASURED AS A FUNCTION OF TEMPERATURE AND WATER-VAPOR PRESSURE. A THERMODYNAMIC ANALYSIS OF THIS EQUILIBRIUM PROVIDES GIBBS FREE ENERGY, ENTHALPY, AND ENTROPY OF HYDRATION.	A Y P
ACQN/DEVL LOCATION : LOS ALAMOS NATIONAL LABORATORY				
Activity - 8.3.1.3.4.1.1				
*LA000000000125.001	TERNARY COMPLEX FORMATION AT MINERAL/SOLUTION INTERFACES	02/15/94-01/15/95	LITERATURE SEARCH AND COMPUTATIONAL ANALYSIS	A Y P
ACQN/DEVL LOCATION : STANFORD UNIVERSITY				
Activity - 8.3.1.3.4.1.2				
*LA000000000127.001	REPORT ON VALIDITY OF BATCH SORPTION DATA TO DESCRIBE SE TRANSPORT THROUGH UNSATURATED TUFF	07/25/94-03/06/95	DIRECT MEASUREMENTS OF UNSATURATED SELENITE RETARDATION COEFFICIENTS AND UNSATURATED HYDRAULIC CONDUCTIVITY WERE OBTAINED ON TWO TUFF SAMPLES FROM THE YUCCA MOUNTAIN USING THE UFA TM TECHNOLOGY	A Y P
ACQN/DEVL LOCATION : LOS ALAMOS NATIONAL LABORATORY				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.3.4.1.3				
*LA000000000108.001	GROUND WATER COMPOSITIONAL PARAMETERS MOST CRITICAL TO THE SORPTION BEHAVIOR OF RADIONUCLIDES-OF-CONCERN TO THE YUCCA MOUNTAIN PROJECT	03/30/94-09/30/94	RESEARCH AND CONDENSED PUBLISHED LITERATURE	A Y P
	ACQN/DEVL LOCATION : GCK, INC			
Activity - 8.3.1.3.4.2				
**LA000000000004.001	"COLLOIDAL AGGLOMERATION"	06/01/91-08/31/91	INSTRUMENT READ-OUT	D N P
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.3.5.1.2				
*LA000000000118.001	LETTER REPORT ON THE STATUS OF PU(IV) COLLOID STUDIES	06/30/94-09/30/94	LITERATURE SEARCH AND SUMMARY OF THE FIELD AND RECOMMENDATIONS FOR FUTURE DATA NEEDS	A Y P
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.3.6.1.1				
*LA000000000128.001	PROGRESS REPORT ON COLLOID-FACILITATED TRANSPORT AT YUCCA MOUNTAIN	11/08/93-03/07/95	AGGREGATION EXPERIMENTS WERE PERFORMED TO EVALUATE COLLOID STABILITY OF SILICA AND CLAY COLLOIDS AS A FUNCTION OF IONIC STRENGTH IN A CARBONATE RICH SYNTHETIC GROUNDWATER. THE RATE OF PARTICLE AGGREGATION WAS ESTIMATED USING AUTOCORRELATION PHOTON SPECTROSCOPY. THE STABILITY RATIO WAS DETERMINED USING THE SMOLUCHOWSKI RATE EXPRESSION FOR IRREVERSIBLE AGGREGATION.	A Y P
	ACQN/DEVL LOCATION : LOS ALAMOS NATIONAL LABORATORY			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.3.6.2.1				
*LA000000000126.001	DIFFUSION OF NEPTUNIUM THROUGH TUFFS	08/09/94-03/06/95	THE UPTAKE OF RADIONUCLIDES BY THE TUFF WAS STUDIED USING CONTAINERS MADE OF TUFF IN THE FORM OF BEAKERS. THESE EXPERIMENTS CONSISTED OF PLACING A GROUNDWATER SOLUTION CONTAINING 237NP AND TRITIATED WATER IN THE TUFF BEAKER CAVITY AND THE UPTAKE OF THE RADIONUCLIDES BY THE TUFF WAS MEASURED AS A FUNCTION OF TIME.	A Y P
ACQN/DEVL LOCATION : LOS ALAMOS NATIONAL LABORATORY				
Activity - 8.3.1.4.1.2				
*TMBH-VARIOUS95.001	DIRECTIONAL/DEVIATION GYRO SURVEYS OF THE FOLLOWING BOREHOLES: UE-25 NRG-2, UE-25 NRG-2A, UE-25 NRG-2B, UE-25 NRG-2D, UE-25 NRG-3, UE-25 NRG-4, UE-25 NRG-5, USW NRG-6, USW NRG-7/7A, USW WT-2, UE-25 UZ-16, AND USW UZ-1. DATA CONSISTS OF 3.5" DISKETTES CONTAINING ASCII FORMAT DATA FILES.	03/15/93-05/25/94	GEOPHYSICAL LOGGING DATA COLLECTED USING PROCEDURES AP-S.III.1-Q AND YAP-SIII.4Q, "YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT FIELD VERIFICATION OF GEOPHYSICAL LOGGING OPERATIONS"	A Y P
ACQN/DEVL LOCATION :				
N771276 (N) E560221 (N) 0' TO 1180'				
N760661 (N) E561924 (N) 0' TO 2029'				
N768880 (N) E562984 (N) 0' TO 1409'				
N766725 (N) E564187 (N) 0' TO 1089'				
N767890 (N) E564770 (N) 0' TO 1340'				
N760535 (N) E564858 (N) 0' TO 1643'				
N767080 (N) E566820 (N) 0' TO 710'				
N766251 (N) E568318 (N) 8' TO 315'				
N765700 (N) E569001 (N) 0' TO 255'				
N765801 (N) E569150 (N) 11' TO 115'				
N765764 (N) E569162 (N) 0' TO 283'				
N765765 (N) E569214 (N) 0' TO 310'				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.4.2.1.1				
**GS910708314211.011	SR AND ND ISOTOPIC DATA AND RB, SR, ND, AND SM CONCENTRATIONS FROM DRILL CORE SPECIMENS FROM UE-25A #1. THESE DATA ARE SUPERSEDED BY DATA IDENTIFIED BY DTN GS950308314211.015.	07/01/90-11/30/90	GCP-12, RB-SR ISOTOPE GEOCHEMISTRY AND GCP-21, SM-ND ISOTOPE GEOCHEMISTRY	D Y T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS920908314211.002	STRATIGRAPHIC AND STRUCTURAL RELATIONS OF VOLCANIC ROCKS IN DRILL HOLES USW GU-3 AND USW G-3, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY ROBERT B. SCOTT AND MAYRA CASTELLANOS. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE IN USW GU-3 HAVE BEEN SUPERSEDED BY THE DATA IDENTIFIED BY DTN GS950108314211.011.	06/01/82-11/21/83	INTERPRETATION OF GEOLOGIC RELATIONS BASED ON GEOPHYSICAL LOGS OF CORE WERE CORRELATED WITH SIMILAR RESULTS OF DRILLING IN CENTRAL AND NORTHERN YUCCA MOUNTAIN AND WITH RESULTS OF SURFACE MAPPING TO PRODUCE A CONCEPTUAL MODEL OF THE GEOLOGY OF THE ROCK VOLUME BEING CONSIDERED FOR THE POTENTIAL REPOSITORY.	D N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS920908314211.003	STRATIGRAPHIC AND STRUCTURAL CHARACTERISTICS OF VOLCANIC ROCKS IN CORE HOLE USW G-4, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY RICHARD W. SPENGLER AND M.P. CHORNACK, WITH A SECTION ON GEOPHYSICAL LOGS BY D.C. MULLER AND J.E. KIBLER. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.011. DATA FOR THE YUCCA MOUNTAIN TUFF HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950208314211.012.	01/01/81-02/17/84	INTERPRETATION OF STUDIES OF CORE INCLUDING DESCRIPTION OF LITHOLOGIC, STRATIGRAPHIC AND STRUCTURAL FEATURES, X-RAY ANALYSES, MINERALOGIC AND ROCK QUALITY STUDIES, DEGREE OF ALTERATION AND MEGASCOPIC DESCRIPTION. INTERPRETATION OF ORIENTED CORE AND DOWNHOLE TELEVISION CAMERA OBSERVATIONS TO OBTAIN DATA ON THE ORIENTATION OF FOLIATION, BEDDING PLANES, AND FRACTURES. INTERPRETATION OF GEOPHYSICAL LOGS.	D N T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS930208314211.008	STRATIGRAPHY, STRUCTURE AND SOME PETROGRAPHIC FEATURES OF TERTIARY VOLCANIC ROCKS AT THE USW G-2 DRILLHOLE, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY F. MALDONADO AND S.L. KOETHER. DATA FOR PAINTBRUSH GROUP BEDDED TUFF UNITS TPBT3 AND TPBT4 IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.007. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.011. DATA FOR THE YUCCA MOUNTAIN TUFF HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950208314211.012.	01/01/82-08/26/83	DESCRIPTIONS AND INTERPRETATIONS OF THE DRILL HOLE HISTORY, STRATIGRAPHY, LITHOLOGY, FOLIATION AND BEDDING, FRACTURE ANALYSIS (FRACTURES, SHEAR FRACTURES AND FAULT ZONES, FRACTURE-FILLINGS AND COATINGS, AND CORE INDEX); AND THE MINERALS PRESENT IN CORE SAMPLES USING THE X-RAY DIFFRACTION METHOD.	D N T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS931108314211.041	GRAPHICAL LITHOLOGIC LOG OF BOREHOLE NRG-2B (UE-25 NRG#2B), YUCCA MOUNTAIN, NEVADA: VERSION(S) 1.(N). DATA FOR PAINTBRUSH GROUP BEDDED TUFF UNITS TPBT3 AND TPBT4 IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.008. DATA FOR THE YUCCA MOUNTAIN TUFF HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.009.	08/01/93-10/01/93	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP.	A Y C
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS931108314211.042	<p>GRAPHICAL LITHOLOGIC LOG OF BOREHOLE UE-25 NRG#4, VERSION(S) 1.(N). DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010.</p> <p>ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY</p>	08/01/93-09/30/93	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP.	A Y C
**GS931108315215.032	<p>ASSESSING THE NATURAL PERFORMANCE OF FELSIC TUFFS USING THE RB-SR AND SM-ND SYSTEMS--A STUDY OF THE ALTERED ZONE IN THE TOPOPAH SPRING MEMBER, PAINTBRUSH TUFF, YUCCA MOUNTAIN, NEVADA BY Z.E. PETERMAN, R.W. SPENGLER, K. FUTA, B.D. MARSHALL, AND S.A. MAHAN. THESE DATA ARE SUPERSEDED BY DATA IDENTIFIED BY DTN GS950308314211.015.</p> <p>ACQN/DEVL LOCATION : USGS, DENVER, CO</p>	07/01/90-11/30/90	THIS STUDY UNDERTAKEN TO HELP DETERMINE THE VERTICAL AND LATERAL CHARACTERISTICS OF VOLCANIC STRATA AND THE NATURE, EXTENT, AND TIMING OF THEIR ALTERATION. EMPHASIS IS ON 1) ZEOLITIZED ZONE ASSOCIATED WITH THE LOWER VITROPHYRE, AND 2) DENSELY WELDED HIGH-SILICA RHYOLITE. DATA RESULTS PRESENTED IN TABULAR AND GRAPHICAL FORMATS.	D N P
**GS931208314211.047	<p>GRAPHICAL LITHOLOGIC LOG OF BOREHOLE UE-25 UZ#16, VERSION(S) 1.(N). DATA FOR THE CALICO HILLS FORMATION IN THIS SEGMENT ARE SUPERSEDED BY DATA IDENTIFIED BY DTN GS940608314211.026. DATA FOR THE PROW PASS TUFF ARE SUPERSEDED BY DATA IDENTIFIED BY DTN GS940608314211.023. DATA FOR PAINTBRUSH GROUP BEDDED TUFF UNITS TPBT3 AND TPBT4 HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.008. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010. DATA FOR THE YUCCA MOUNTAIN TUFF HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.009. SOME LITHOLOGIC CONTACTS, DESCRIPTIONS AND STRATIGRAPHIC</p>	01/01/93-11/18/93	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP.	A Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	

NOMENCLATURE ARE SUPERSEDED.				
ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY				
**GS931208314211.048	GRAPHICAL LITHOLOGIC LOG OF BOREHOLE USW UZ-14, VERSION(S) 1.(N). DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010. DATA FOR THE YUCCA MOUNTAIN TUFF HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.009.	01/01/93-11/18/93	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP.	A Y P
ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY				
**GS931208314211.049	REVISED STRATIGRAPHIC NOMENCLATURE AND MACROSCOPIC IDENTIFICATION OF LITHOSTRATIGRAPHIC UNITS EXPOSED AT YUCCA MOUNTAIN, NEVADA, BY D.C. BUESCH, R.W. SPENGLER, T. MOYER, AND J. GESLIN. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010.	07/30/93-09/30/93	MACROSCOPIC AND MICROSCOPIC OBSERVATIONS INCLUDING PHENOCRYST ASSEMBLAGES, DEPOSITION TEXTURES AND STRUCTURES, ZONES OF WELDING, ZONES OF CRYSTALLIZATION, AND SURFACE ROUGHNESS AND ORIENTATION OF FRACTURES	D Y P
ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS931208314211.051	X-RAY FLUORESCENCE ELEMENTAL COMPOSITIONS, 3/9/93 - 3/14/93	03/09/93-03/14/93	USGS TECHNICAL PROCEDURE GCP-25,R0, DETERMINATION OF CHEMICAL COMPOSITION BY ENERGY DISPERSIVE X-RAY FLUORESCENCE SPECTROMETRY	A Y T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS940108314211.001	TABLE OF BASAL CONTACTS FROM CORE IN BOREHOLES USW UZ-14 AND USW NRG-7/7A BY BUESCH, MOYER, AND GESLIN. LITHOLOGIC DATA FOR THE CALICO HILLS FORMATION ARE SUPERSEDED BY DATA IDENTIFIED BY DTN GS940908314211.043. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010. DATA FOR THE YUCCA MOUNTAIN TUFF HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.009. SOME LITHOLOGIC CONTACTS, DESCRIPTIONS AND STRATIGRAPHIC NOMENCLATURE ARE SUPERSEDED.	06/01/93-01/18/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP.	A Y C
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			
**GS940208314211.003	TABLE OF CONTACTS IN BOREHOLES USW UZ-N53, USW UZ-N54 AND USW UZ-N55, VERSION(S) 1.(N), BY T. MOYER AND J. GESLIN. DATA ARE SUBJECT TO REVISION. DATA FOR PAINTBRUSH BEDDED TUFF UNITS TPBT3 AND TPBT4 IN BOREHOLES USW UZ-N53 AND USW UZ-N54 IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.008. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING CRYSTAL-RICH VITROPHYRE HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010. DATA FOR THE YUCCA MOUNTAIN TUFF HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN	01/01/94-01/13/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y T

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	GS950108314211.009.			
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			
**GS940208314211.005	TABLE OF CONTACTS IN BOREHOLES USW UZ-N31, UZ-N32, UZ-N37, VERSION(S) 1.(N) , BY T. MOYER AND J. GESLIN. DATA FOR PAINTBRUSH GROUP BEDDED TUFF UNITS TPBT3 AND TPBT4 IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.008. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING CRYSTAL-RICH VITROPHYRE HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010.	01/01/94-02/28/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y T
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			
**GS940208314211.006	TABLE OF CONTACTS IN BOREHOLES USW UZ-N33 AND USW UZ-N34 VERSION(S) 1.(N) , BY T. MOYER AND J. GESLIN. DATA FOR THE YUCCA MOUNTAIN TUFF IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.009.	01/01/94-02/28/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y T
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			
**GS940308314211.009	SUMMARY OF LITHOLOGIC LOGGING OF NEW AND EXISTING BOREHOLES AT YUCCA MOUNTAIN, NEVADA: AUGUST 1993 TO FEBRUARY 1994, BY J. GESLIN, T. MOYER AND D. BUESCH. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010. DATA FOR THE YUCCA MOUNTAIN TUFF HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.009.	10/01/93-02/01/94	THIS SUMMARY WAS DEVELOPED FROM THE ANALYSES OF LITHOLOGIC LOGS COMPILED FROM CORE/DRILLHOLE DATA COLLECTED IN FY-93/94 (ROCK CHARACTERISTICS ACTIVITIES)	D Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV			
**GS940308314211.010	TABLE OF CONTACTS IN BOREHOLE USW UZ-N11, BY T. MOYER. DATA FOR THE YUCCA MOUNTAIN TUFF IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.009.	02/01/94-03/04/94	THESE DATA WERE ACQUIRED FROM ANALYSIS OF CORE USING SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y T
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			
**GS940308314211.011	TABLE OF CONTACTS FOR THE TIVA CANYON TUFF IN BOREHOLE USW UZ-N38, VERSION(S) 1.(N), BY T. MOYER	02/01/94-03/04/94	THESE DATA WERE ACQUIRED FROM ANALYSIS OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y C
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			
**GS940308314211.014	TABLE OF LITHOLOGIC CONTACTS IN BOREHOLE USW NRG-7/7A TO TOTAL DEPTH, VERSION(S) 1.(N), BY T. MOYER AND J. GESLIN. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010. DATA FOR THE YUCCA MOUNTAIN TUFF HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.009.	03/01/94-03/11/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP.	A Y C
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940308314211.016	TABLE OF CONTACTS FOR THE TIVA CANYON TUFF IN BOREHOLE USW UZ-N64, VERSION(S) 1.(N), BY T. MOYER AND J. GESLIN	03/01/94-03/25/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y C
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			
**GS940308314211.017	TABLE OF CONTACTS FOR THE TIVA CANYON TUFF IN BOREHOLE UE-25 UZN#63, VERSION(S) 1.(N), BY T. MOYER AND J. GESLIN	03/01/94-03/25/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y C
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			
**GS940308314211.018	TABLE OF CONTACTS FOR THE TIVA CANYON TUFF IN BOREHOLE USW UZ-N36, VERSION(S) 1.(N), BY T. MOYER AND J. GESLIN	03/01/94-03/25/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y C
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			
**GS940308314211.019	TABLE OF CONTACTS FOR THE TIVA CANYON TUFF IN BOREHOLES USW UZ-N15, USW UZ-N16, AND USW UZ-N17, VERSION(S) 1.(N) , BY T. MOYER AND J. GESLIN	03/01/94-03/25/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y C
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940408314211.020	<p>GRAPHICAL LITHOLOGIC LOG OF BOREHOLE USW NRG-7/7A, VERSION(S) 1.(N), BY J. GESLIN AND T. MOYER. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010. DATA FOR THE YUCCA MOUNTAIN TUFF HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.009. SOME LITHOLOGIC CONTACTS, DESCRIPTIONS AND STRATIGRAPHIC NOMENCLATURE ARE SUPERSEDED.</p> <p>ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY</p>	03/01/94-03/25/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y C
**GS940608314211.022	<p>LITHOSTRATIGRAPHIC DATA FOR THE PROW PASS TUFF IN USW G-1, G-2, GU-3, AND G-4, UE-25 A#1, UE-25 C#1, C#2, AND C#3, AND FIELD OBSERVATIONS FROM RAVEN CANYON AND PROW PASS, BY T.C. MOYER.</p> <p>ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV</p>	03/03/94-06/09/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE AND FIELD OBSERVATIONS USING SCIENTIFIC PLAN SN-0001, "STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE; BIT CUTTINGS, AND OUTCROP".	A N C
**GS940608314211.023	<p>LITHOSTRATIGRAPHIC DATA FOR THE PROW PASS TUFF IN UE-25 UZ#16 BY T.C. MOYER. THE CONTACT DEPTH BETWEEN THE CALICO HILLS FORMATION AND THE PROW PASS TUFF IN THIS SEGMENT SUPERSEDE DATA PREVIOUSLY IDENTIFIED BY DTN GS931208314211.047 AND GS940308314211.009. DATA FOR PAINTBRUSH GROUP BEDDED TUFF UNITS TPBT3 AND TPBT4 IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.008.</p> <p>ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV</p>	04/18/94-06/09/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE AND FIELD OBSERVATIONS USING SCIENTIFIC PLAN SN-0001, "STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP".	A Y T

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940608314211.024	LITHOSTRATIGRAPHIC DATA FOR THE PROW PASS TUFF IN USW UZ-14, BY T.C. MOYER. THE CONTACT ALTITUDES FOR THE PROW PASS TUFF ARE SUPERSEDED BY THOSE FOUND IN THE DATA SEGMENT IDENTIFIED BY DTN GS940908314211.043. ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV	07/05/94-07/06/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE AND FIELD OBSERVATIONS USING SCIENTIFIC PLAN SN-0001, "STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP".	A Y C
**GS940608314211.026	LITHOSTRATIGRAPHIC DATA FOR THE CALICO HILLS FORMATION IN UE-25 UZ#16 BY J.K. GESLIN. THESE DATA SUPERSEDE A PORTION OF THE DATA PREVIOUSLY IDENTIFIED BY DTN GS931208314211.047. ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV	04/18/94-04/20/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE AND FIELD OBSERVATIONS USING SCIENTIFIC PLAN SN-0001, "STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP".	A Y C
**GS940608314211.029	X-RAY FLUORESCENCE ELEMENTAL COMPOSITIONS DETERMINED 3/23/94 TO 3/25/94. ACQN/DEVL LOCATION : USGS, DENVER, CO	03/23/94-03/25/94	USGS TECHNICAL PROCEDURE GCP-25, R0 DETERMINATION OF CHEMICAL COMPOSITION BY ENERGY DISPERSIVE X-RAY FLUORESCENCE SPECTROMETRY	A Y T
**GS940608314211.030	STRONTIUM ISOTOPE RATIOS OF CORE SAMPLES OF THE TIVA CANYON TUFF FROM DRILL HOLE UE-25 NRG#3 (4/28/94 TO 6/10/94) ACQN/DEVL LOCATION : USGS, DENVER, CO	04/28/94-06/10/94	USGS TECHNICAL PROCEDURE GCP-12,R4, RB-SR ISOTOPE GEOCHEMISTRY	A Y T

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940708314211.032	SUMMARY OF LITHOLOGIC LOGGING OF NEW AND EXISTING BOREHOLES AT YUCCA MOUNTAIN, NEVADA, MARCH 1994 TO JUNE 1994, BY J.K. GESLIN AND T.C. MOYER. DATA FOR THE BASE OF THE PAR CANYON TUFF TO THE TOP OF THE TOPOPAR SPRING TUFF CRYSTAL-RICH VITROPHYRE IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010. DATA FOR THE YUCCA MOUNTAIN TUFF HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.009. ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV	03/01/94-06/15/94	THIS SUMMARY WAS DEVELOPED FROM THE ANALYSES OF LITHOLOGIC LOGS COMPILED FROM CORE/DRILL HOLE DATA COLLECTED IN FY '94. (ROCK CHARACTERISTICS ACTIVITIES).	D Y P
**GS940708314211.034	MISCELLANEOUS LITHOSTRATIGRAPHIC CONTACTS IN NON-QUALIFIED BOREHOLES (USW G-2 AND G-4, UE-25 A#1), VERSION(S) 1.(N), BY T.C. MOYER ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY	04/27/94-04/28/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE AND/OR CUTTINGS USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A N C
**GS940708314211.035	MEASURED STRATIGRAPHIC SECTION ON THE EAST SIDE OF SOLITARIO CANYON (SECTION SC#1), BY J.K. GESLIN AND T.C. MOYER ACQN/DEVL LOCATION : N757634(N) E558253(N)	11/29/93-12/07/93	THESE MEASURED SECTION DATA WERE ACQUIRED USING GP-01,R2, GEOLOGIC MAPPING.	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940808314211.036	TABLE OF LITHOLOGIC CONTACTS FROM THE SURFACE TO THE BASE OF THE PAINTBRUSH GROUP IN BOREHOLE USW SD-9, VERSION(S) 1.(N), BY T. MOYER	07/06/94-07/18/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y C
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			
**GS940808314211.037	X-RAY FLUORESCENCE ELEMENTAL COMPOSITIONS 6/21/91 TO 8/12/91	06/21/91-08/12/91	METHODS ARE DESCRIBED IN USGS TECHNICAL PROCEDURE GCP-25,R0, DETERMINATION OF CHEMICAL COMPOSITION BY ENERGY DISPERSIVE X-RAY FLUORESCENCE SPECTROMETRY, (WHICH WAS NOT YET APPROVED).	A Y T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS940908314211.043	TABLE OF LITHOLOGIC CONTACTS FROM THE BASE OF THE TOPOPAH SPRING TUFF TO TOTAL DEPTH IN BOREHOLE USW UZ-14, VERSION(S) 1.(N), BY T. MOYER AND J. GESLIN. THE CONTACT ALTITUDES FOR THE PROW PASS TUFF SUPERSEDE THOSE FOUND IN THE DATA SEGMENT PREVIOUSLY IDENTIFIED BY DTN GS940608314211.024. LITHOLOGIC DATA FOR THE CALICO HILLS FORMATION SUPERSEDE THOSE FOUND IN THE DATA SEGMENT PERVIOUSLY IDENTIFIED BY DTN GS940108314211.001.	04/19/94-07/06/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP.	A Y C
	ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940908314211.044	TABLE OF LITHOLOGIC CONTACTS FOR THE PAINTBRUSH GROUP IN BOREHOLE USW SD-12, VERSION(S) 1.(N), BY J. GESLIN AND J. WUNDERLICH ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY	05/10/94-09/23/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y P
**GS941008314211.049	GRAPHICAL LITHOLOGIC LOG FOR BOREHOLE USW UZ-N32, SURFACE TO TOTAL DEPTH, VERSION(S) 1.(N), BY J. GESLIN. DATA FOR THE PAINTBRUSH BEDDED TUFF UNITS TPBT3 AND TPBT4 IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.008. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010. ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY	09/21/94-09/22/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y P
**GS941008314211.051	GRAPHICAL LITHOLOGIC LOG FOR BOREHOLE USW UZ-N31, VERSION(S) 1.(N), BY J. GESLIN. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010. ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY	10/06/94-10/06/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS941108314211.055	TABLE OF SELECTED LITHOLOGIC CONTACTS IN BOREHOLES UE-25 NRG#4 AND UE-25 NRG#5: IDENTIFICATION FROM BIT CUTTINGS, VERSION(S) 1.(N), BY DAVID C. BUESCH. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010. ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY	10/07/94-11/04/94	THESE DATA WERE ACQUIRED FROM ANALYSES OF BIT CUTTINGS USING SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTIONS OF CORE, BIT CUTTINGS, AND OUTCROP	A Y P
**GS941108314211.057	X-RAY FLUORESCENCE ELEMENTAL COMPOSITIONS ACQUIRED 7/13/93 TO 3/22/94 ACQN/DEVL LOCATION : USGS, DENVER, CO	07/13/93-03/22/94	USGS TECHNICAL PROCEDURE GCP-25,R0, DETERMINATION OF CHEMICAL COMPOSITION BY ENERGY DISPERSIVE X-RAY FLUORESCENCE SPECTROMETRY	A Y P
**GS941108314211.058	X-RAY FLUORESCENCE ELEMENTAL COMPOSITIONS ACQUIRED 4/26/94 TO 8/16/94 ACQN/DEVL LOCATION : USGS, DENVER, CO	04/26/94-08/16/94	USGS TECHNICAL PROCEDURE GCP-25,R0: DETERMINATION OF CHEMICAL COMPOSITION BY ENERGY DISPERSIVE X-RAY FLUORESCENCE SPECTROMETRY	A Y P
*GS941208314211.059	MEASURED SECTION 94TPKMS-1, WEST SIDE OF RIDGE SEPARATING BLACK GLASS CANYON FROM PAINTBRUSH CANYON, BY ROBERT DICKERSON ACQN/DEVL LOCATION : N783010(N) E571455(N) ;N783070(N) E571870(N)	10/23/94-10/23/94	THIS SECTION WAS MEASURED USING TECHNICAL PROCEDURE NWM-USGS GP-01,R2, GEOLOGIC MAPPING	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS941208314211.060	SUMMARY OF LITHOLOGIC LOGGING OF NEW AND EXISTING BOREHOLES AT YUCCA MOUNTAIN, NEVADA, JULY 1994 TO NOVEMBER 1994, BY T.C. MOYER, J.K. GESLIN AND D.C. BUESCH. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE IN THIS DATA SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.010. DATA FOR THE YUCCA MOUNTAIN TUFF HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.009. ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV	11/01/94-11/30/94	THIS WAS DEVELOPED FROM THE ANALYSES OF LITHOLOGIC LOGS FROM CORE/DRILLHOLE DATA COLLECTED IN FY-94 FROM ROCK CHARACTERISTICS ACTIVITIES.	D Y P
**GS941208314211.063	FIVE DRAFT STRUCTURE MAPS, FOUR ISOCHORE MAPS AND FOUR CROSS SECTIONS FROM THE LITHOSTRATIGRAPHIC SYNTHESIS LYNX COMPUTER MODEL OF YUCCA MOUNTAIN STRATIGRAPHY AND STRUCTURE, WITH DOCUMENTATION FOR DISTRIBUTION OF LITHOSTRATIGRAPHIC UNITS WITHIN THE CENTRAL BLOCK OF YUCCA MOUNTAIN, NEVADA, VERSION YMP.R1.1, BY D.C. BUESCH AND JIM NELSON ACQN/DEVL LOCATION : USGS, DENVER, CO	08/01/94-08/14/94	SURFACE AND SUBSURFACE LITHOSTRATIGRAPHIC DATA WERE ASSEMBLED, THEN INTEGRATED INTO A DIGITAL MODEL USING LYNX GEOSYSTEMS MODELING SOFTWARE, VERSION 1.09.	D N P
*GS941208314211.064	DISTRIBUTION OF LITHOSTRATIGRAPHIC UNITS WITHIN THE CENTRAL BLOCK OF YUCCA MOUNTAIN, NEVADA: A THREE-DIMENSIONAL COMPUTER-BASED MODEL, VERSION YMP.R2.0, BY D. BUESCH, J. NELSON, R. DICKERSON, R. DRAKE, R. SPENGLER, J. GESLIN, T. MOYER, C. SAN JUAN, AND T. FELGER ACQN/DEVL LOCATION : USGS, DENVER, CO	09/01/94-12/30/94	SURFACE AND SUBSURFACE LITHOSTRATIGRAPHIC DATA WERE ASSEMBLED INTO STRUCTURE CONTOUR AND ISOPACH MAPS, THEN INTEGRATED INTO A DIGITAL MODEL USING LYNX GEOSYSTEMS MODELING SOFTWARE VERSION 1.09. THE MODEL WAS DEVELOPED TO PROVIDE A MEANS FOR VIEWING THE LITHOSTRATIGRAPHIC UNITS AND FAULTS INTERACTIVELY IN 3 DIMENSIONS.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS941208314211.065	MEASURED SECTION TPKT-3, SOUTH RIDGE OF POINT JOEY 5352, COMB PEAK, BY ROBERT DICKERSON AND RONALD DRAKE ACQN/DEVL LOCATION : N784930(N) E578330(N) ;N783600(N) E578180(N)	11/20/94-11/20/94	THIS SECTION WAS MEASURED USING TECHNICAL PROCEDURE NWM-USGS GP-01,R2, GEOLOGIC MAPPING	A Y P
*GS950108314211.001	MEASURED STRATIGRAPHIC SECTION ON ISOLATION RIDGE (SECTION PTN#1) ACQN/DEVL LOCATION : N777540(N) E564714(N) ;N777450(N) E563660(N)	10/19/93-11/16/93	THIS SECTION WAS MEASURED USING TECHNICAL PROCEDURE NWM-USGS GP-01,R2, GEOLOGIC MAPPING	A Y P
*GS950108314211.002	MEASURED STRATIGRAPHIC SECTION ON THE EASTERN SIDE OF SOLITARIO CANYON (SECTION PTN#2) ACQN/DEVL LOCATION : N758093(N) E557782(N)	12/12/94-12/12/94	THIS SECTION WAS MEASURED USING TECHNICAL PROCEDURE NWM-USGS GP-01,R2, GEOLOGIC MAPPING	A Y P
*GS950108314211.003	MEASURED STRATIGRAPHIC SECTION ON THE EASTERN SIDE OF SOLITARIO CANYON (SECTION PTN#3) ACQN/DEVL LOCATION : N759530(N) E557450(N)	12/19/94-12/19/94	THIS SECTION WAS MEASURED USING TECHNICAL PROCEDURE NWM-USGS GP-01,R2, GEOLOGIC MAPPING	A Y P
*GS950108314211.004	MEASURED STRATIGRAPHIC SECTION ON THE EASTERN SIDE OF SOLITARIO CANYON (SECTION PTN#4) ACQN/DEVL LOCATION : N764900(N) E558150(N)	01/27/95-01/27/95	THIS SECTION WAS MEASURED USING TECHNICAL PROCEDURE NWM-USGS GP-01,R2, GEOLOGIC MAPPING	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS950108314211.005	MEASURED STRATIGRAPHIC SECTION ON THE EASTERN SIDE OF SOLITARIO CANYON (SECTION PTN#5) ACQN/DEVL LOCATION : N763100(N) E557900(N)	01/27/95-01/27/95	THIS SECTION WAS MEASURED USING TECHNICAL PROCEDURE NWM-USGS GP-01,R2, GEOLOGIC MAPPING	A Y P
*GS950108314211.006	MEASURED STRATIGRAPHIC SECTION ON THE EASTERN SIDE OF SOLITARIO CANYON (SECTION PTN#6) ACQN/DEVL LOCATION : N761950(N) E557900(N)	02/06/95-02/06/95	THIS SECTION WAS MEASURED USING TECHNICAL PROCEDURE NWM-USGS GP-01,R2, GEOLOGIC MAPPING	A Y P
*GS950108314211.007	LITHOSTRATIGRAPHIC DATA FOR PAINTBRUSH GROUP BEDDED TUFF UNITS TPBT3 AND TPBT4 IN BOREHOLES USW G-2, UE-25 A#4, USW G-4, UE-25 A#6, USW GU-3, BY J.K. GESLIN (THESE DATA SUPERSEDE THE DATA FOR THE PAINTBRUSH GROUP BEDDED TUFF UNITS TPBT3 AND TPBT4 FOUND IN SEGMENTS PREVIOUSLY IDENTIFIED BY DTN'S GS930208314211.008 AND GS900908314213.002) ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY, NTS, NV	01/19/95-01/19/95	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A N P
*GS950108314211.008	LITHOSTRATIGRAPHIC DATA FOR PAINTBRUSH GROUP BEDDED TUFF UNITS TPBT3 AND TPBT4 IN BOREHOLES USW UZ-N11, USW UZ-14, USW NRG-7/7A, USW SD-9, USW UZ-N37, USW NRG-6, UE-25 NRG#2B, USW UZ-N31, USW UZ-N32, USW SD-12, UE-25 UZ#16, USW UZ-N54, USW UZ-N53, BY J.K. GESLIN. (THESE DATA SUPERSEDE THE DATA FOR PAINTBRUSH GROUP BEDDED TUFF UNITS TPBT3 AND TPBT4 FOUND IN SEGMENTS PREVIOUSLY IDENTIFIED BY DTN'S GS940208314211.005, GS941008314211.049, GS931208314211.047, GS940608314211.023, GS931108314211.041, AND GS940208314211.003) ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY, NTS, NV	01/19/95-01/19/95	THE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS950108314211.009	<p>STRATIGRAPHIC DESCRIPTIONS AND DATA FOR THE YUCCA MOUNTAIN TUFF IN BOREHOLES (UE-25) NRG#2B, (USW) NRG-7/7A, (USW) SD-9, (USW) UZ-14, (UE-25) UZ#16, (USW) UZ-N11, (USW) UZ-N33, (USW) UZ-N34, (USW) UZ-N53, (USW) UZ-N54, (USW) UZ-N55, BY T.C. MOYER (THESE DATA SUPERSEDE THE DATA FOR YUCCA MOUNTAIN TUFF FOUND IN SEGMENTS PREVIOUSLY IDENTIFIED BY DTN'S GS931108314211.041, GS940108314211.001, GS940308314211.014, GS940408314211.020, GS931208314211.048, GS931208314211.047, GS940308314211.010, GS940208314211.006, GS940208314211.003, GS941208314211.060, GS940308314211.009, GS940708314211.032)</p> <p>ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY, NTS, NV</p>	12/05/94-01/12/95	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y P
*GS950108314211.010	<p>UNIT DESCRIPTIONS AND LITHOLOGIC CONTACTS FOR THE INTERVAL FROM THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE IN BOREHOLES UE-25 NRG#4, USW NRG-6 AND NRG-7/7A, USW SD-9 AND SD-12, USW UZ-14, UZ-N31, UZ-N32 AND UZ-N37, UE-25 UZ#16, USW UZ-N53, UZ-N54 AND USW UZ-N55, BY T.C. MOYER. (THESE DATA SUPERSEDE THE DATA FOR THE INTERVAL FROM THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING CRYSTAL-RICH VITROPHYRE FOUND IN SEGMENTS PREVIOUSLY IDENTIFIED BY DTN'S GS931108314211.042, GS941108314211.055, GS940108314211.001, GS940308314211.014, GS940408314211.020, GS931208314211.048, GS940208314211.005, GS941008314211.051, GS941008314211.049, GS931208314211.047, GS940208314211.003, GS941208314211.060, GS940308314211.009, GS940708314211.032, GS931208314211.049.)</p>	01/19/95-01/19/95	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY, NTS, NV			
*GS950108314211.011	LITHOLOGIC CONTACTS AND SUPPLEMENTAL DESCRIPTIVE DATA FOR THE INTERVAL FROM THE BASE OF THE PAR CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE IN BOREHOLES (UE-25) A#1, A#4, A#5, A#6, A#7, (USW) G-2, GU-3, AND G-4, BY THOMAS C. MOYER (THESE DATA SUPERSEDE THE DATA FOR THE YUCCA MOUNTAIN TUFF FOUND IN SEGMENTS PREVIOUSLY IDENTIFIED BY DTN'S GS900908314213.002, GS900908314213.010, GS930208314211.008, GS920908314211.003, GS920908314211.002)	01/19/95-01/19/95	THESE DATA WERE ACQUIRED FROM ANALYSES OF A N P CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP
ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY, NTS, NV			
*GS950208314211.012	STRATIGRAPHIC DESCRIPTIONS AND DATA FOR THE YUCCA MOUNTAIN TUFF IN BOREHOLES UE-25 A#4, A#5, A#6, A#7, AND USW G-2 AND G-4 (THESE DATA SUPERSEDE THE DATA FOR YUCCA MOUNTAIN TUFF FOUND IN DTN GS900908314213.002, GS900908314213.010, GS930208314211.008, GS920908314211.003)	12/13/94-01/12/95	THESE DATA WERE ACQUIRED FROM ANALYSES OF A N P CORE USING SCIENTIFIC PLAN SN-0001, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP
ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY, NTS, NV			
*GS950208314211.013	MEASURED STRATIGRAPHIC SECTION ON THE EAST SIDE OF SOLITARIO CANYON (SC#2), BY JEFFREY K. GESLIN	01/19/94-02/01/94	THIS SECTION WAS MEASURED USING TECHNICAL A Y P PROCEDURE NWM-USGS GP-01,R2, GEOLOGIC MAPPING
ACQN/DEVL LOCATION : N760280 (N) E558890 (N)			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.4.2.1.2				
**GS921108314212.009	GRAVITY AND MAGNETIC ANOMALIES IN THE VICINITY OF YUCCA MOUNTAIN, NEVADA, AND THEIR GEOLOGIC IMPLICATIONS, BY DAVID A. PONCE AND H.W. OLIVER ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/90-12/15/90	COMPILATION OF GRAVITY AND AEROMAGNETIC SURVEYS.	D N P
*GS950108314212.001	MAJOR RESULTS OF REGIONAL GEOPHYSICAL INVESTIGATIONS AT YUCCA MOUNTAIN AND VICINITY, NEVADA, H.W. OLIVER, D.A. PONCE, AND W.C. HUNTER, EDITORS ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	08/01/87-12/30/94	DESCRIPTION OF INVESTIGATIONS FOCUSING ON GRAVITY, MAGNETIC, MAGNETOTELLURIC, SEISMIC REFRACTION, SEISMIC REFLECTION AND TELESEISMIC STUDIES. THE GEOLOGIC AND REGIONAL THERMAL SETTINGS AS WELL AS STRESS MEASUREMENTS ARE INCLUDED.	D N P
*GS950208314212.002	GRAVITY AND MAGNETIC INVESTIGATIONS AT YUCCA MOUNTAIN, 5/24/94 TO 6/4/94 ACQN/DEVL LOCATION : 36 55'N 116 25'W ;36 45'N 116 40'W	05/24/94-06/04/94	THESE DATA WERE COLLECTED USING PROCEDURES GPP-01,R2-M1, GRAVITY METHODS, AND GPP-11, R2, MAGNETIC METHODS	A Y P
*GS950208314212.003	GEOPHYSICAL EXPRESSION OF THE GHOST DANCE FAULT, YUCCA MOUNTAIN, NEVADA, BY D.A. PONCE AND V.E. LANGENHEIM ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	10/31/94-01/31/95	GRAVITY AND GROUND MAGNETIC DATA, COLLECTED ALONG SURVEYED TRAVERSES ACROSS ANTLER AND LIVE YUCCA RIDGES, WERE USED TO EVALUATE FAULTING.	D Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS950208314212.004	GRAVITY AND MAGNETIC INVESTIGATIONS OF THE GHOST DANCE FAULT AND SOLITARIO CANYON FAULTS, YUCCA MOUNTAIN, NEVADA, BY D.A. PONCE AND V.E. LANGENHEIM ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	10/15/94-03/15/95	GRAVITY AND GROUND MAGNETIC COLLECTED ALONG SURVEYED TRAVERSES	D Y P
Activity - 8.3.1.4.2.1.3				
**GS900908314213.002	PRELIMINARY INTERPRETATIONS OF GEOLOGIC RESULTS OBTAINED FROM BOREHOLES UE25A-4, -5, 06, AND -7, (UE-25 A#4, A#5, A#6, A#7), YUCCA MOUNTAIN, NEVADA TEST SITE, BY R.W. SPENGLER & J.G. ROSENBAUM. DATA FOR PAINTBRUSH GROUP BEDDED TUFF UNITS TPBT3 AND TPBT4 FOR BOREHOLES UE-25 A#4 AND UE-25 A#6 IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.007. DATA FOR THE YUCCA MOUNTAIN TUFF HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.012. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.011. ACQN/DEVL LOCATION : UE25A-4 UE25A-5 UE25A-6 UE25A-7 USGS, DENVER, CO	06/01/79-06/30/79	STANDARD USGS METHODS.	D N T

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS900908314213.010	INTERPRETATION OF GEOPHYSICAL WELL-LOG MEASUREMENTS IN DRILL HOLES UE25A-4, -5, -6, -7 (UE-25 A#4, A#5, A#6, A#7), YUCCA MOUNTAIN, NEVADA TEST SITE, BY J.J. DANIELS, J.H. SCOTT, AND J.T. HAGSTRUM. DATA FOR THE BASE OF THE PAH CANYON TUFF TO THE TOP OF THE TOPOPAH SPRING TUFF CRYSTAL-RICH VITROPHYRE HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.011. DATA FOR THE YUCCA MOUNTAIN TUFF IN THIS SEGMENT HAVE BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN GS950108314211.012.	06/01/79-12/31/80	STANDARD USGS METHODS.	D N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS920808314213.003	ASSESSMENT OF GEOPHYSICAL LOGS FROM BOREHOLE USW G-2, WITH RECOMMENDATIONS FOR FUTURE LOGGING AT YUCCA MTN., NV, BY P.H. NELSON AND ULRICH SCHIMSCHAL.	01/06/92-06/30/92	ASSESSMENT OF CURRENT LOGGING TECHNOLOGY IN ORDER TO SPECIFY THE KINDS OF LOGS AND, IF APPROPRIATE, THE SUPPLIERS AND MODELS OF LOGGING TOOLS TO BE USED IN FUTURE LOGGING.	D N T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS931108314213.010	WATER PERMEABILITY AND RELATED ROCK PROPERTIES MEASURED ON CORE SAMPLES FROM THE YUCCA MOUNTAIN USW GU-3/G-3 AND USW G-4 BOREHOLES, NEVADA TEST SITE, BY L.A. ANDERSON.	01/01/91-10/15/93	CORE SAMPLES FROM THE YM-USW GU-3/USW G-3 AND USW G-4 BOREHOLES WERE MEASURED FOR BULK DENSITY, GRAIN DENSITY, POROSITY, RESISTIVITY, AND WATER PERMEABILITY TO DETERMINE RELATIVE LEVELS OF FLUID CONDUCTIVITY ATTRIBUTABLE TO THE MATRIX OF THE TUFFS ENCOUNTERED WITHIN THE RESPECTIVE BOREHOLES.	D N T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
Activity - 8.3.1.4.2.2			
*RA95000000001.001	ESF NORTH PORTAL STARTER TUNNEL GEOLOGIC MAPPING.	10/29/93-10/29/93	THE METHOD OF ACQUISITION OF THIS DATA WAS A Y P ACTUAL FIELD SURVEY USING RSN PROCEDURE PP-01-03.
	ACQN/DEVL LOCATION : ESF NORTH RAMP		
*RA95000000001.002	ESF NORTH PORTAL STARTER TUNNEL GEOLOGIC MAPPING.	12/06/93-12/06/93	THE METHOD OF ACQUISITION OF THIS DATA WAS A Y P ACTUAL FIELD SURVEY USING RSN PROCEDURE PP-01-03.
	ACQN/DEVL LOCATION : ESF NORTH RAMP		
*RA95000000002.001	SURVEY COORDINATE POINTS FOR THE ESF NORTH PORTAL BOX AND DRAINAGE CHANNEL.	10/29/93-10/29/93	THE METHOD OF ACQUISITION OF THIS DATA WAS A Y P ACTUAL FIELD SURVEY USING RSN PROCEDURE PP-01-03.
	ACQN/DEVL LOCATION : ESF NORTH PORTAL BOX CUT AND DRAINAGE CHANNEL		
*RA95000000003.001	GEOLOGIC MAPPING SURVEY DATA FOR THE ALCOVE AREA.	12/06/93-12/06/93	THE METHOD OF ACQUISITION OF THIS DATA WAS A Y P ACTUAL FIELD SURVEY USING RSN PROCEDURE PP-01-03.
	ACQN/DEVL LOCATION : ESF NORTH RAMP ALCOVE AREA		
*RA95000000003.002	ALCOVE GEOLOGIC MAPPING SURVEY DATA.	01/18/94-01/18/94	THE METHOD OF ACQUISITION OF THIS DATA WAS A Y P ACTUAL FIELD SURVEY USING RSN PROCEDURE PP-01-03.
	ACQN/DEVL LOCATION : ESF NORTH RAMP ALCOVE AREA		

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*RA950000000003.003	GEOLOGIC MAPPING SURVEY OF AS-BUILT TARGETS IN TEST ALCOVE.	12/06/93-12/06/93	THE METHOD OF ACQUISITION OF THIS DATA WAS A Y P ACTUAL FIELD SURVEY USING RSN PROCEDURE PP-01-03.	
	ACQN/DEVL LOCATION : ESF NORTH RAMP			
*RA950000000004.001	GEOLOGICAL MAPPING SURVEY DATA OF GHOST DANCE FAULT.	10/29/93-10/29/93	THE METHOD OF ACQUISITION OF THIS DATA WAS A Y P ACTUAL FIELD SURVEY USING RSN PROCEDURE PP-01-03.	
	ACQN/DEVL LOCATION : ESF NORTH RAMP			
*RA950000000004.002	TOPOGRAPHIC SURVEY OF GHOST DANCE FAULT ROADCUTS.	10/29/93-10/29/93	THE METHOD OF ACQUISITION OF THIS DATA WAS A Y P ACTUAL FIELD SURVEY USING RSN PROCEDURE PP-01-03.	
	ACQN/DEVL LOCATION : ESF NORTH RAMP			
Activity - 8.3.1.4.2.2.2				
**GS930708315142.003	PHYSICAL PROPERTIES AND RADIOMETRIC AGE ESTIMATES OF SURFICIAL AND FRACTURE-FILL DEPOSITS ALONG A PORTION OF THE CARPETBAG FAULT SYSTEM, NEVADA TEST SITE, NYE COUNTY, NEVADA BY R.R. SHROBA, D.R. MUHS, AND J.N. ROSHOLT.	01/01/87-07/01/88	THIS STUDY CHARACTERIZES SURFICIAL AND FRACTURE-FILL DEPOSITS IN ORDER TO HELP DEFINE THE CHRONOLOGY OF MOVEMENTS ALONG THE CARPETBAG FAULT SYSTEM. METHODS INCLUDE: 1) FIELD STUDIES ACCORDING TO BIRKELAND, 1985 2) URANIUM-TREND AND URANIUM-SERIES ANALYSES TO DETERMINE AGES 3) CHITTICK GASOMETRIC TESTS TO DETERMINE CALCIUM CARBONATE CONTENT AND 4) CORRELATION TECHNIQUES. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940308314222.001	FRACTURE DATA FOR PAVEMENT ARP-1, 12/17-22/93, 2/8-12/94, 2/28/94, AND 3/1/94	12/17/93-12/22/93 02/08/94-02/12/94 02/28/94-02/28/94 03/01/94-03/01/94	TECHNICAL PROCEDURE NWM-USGS GP-12,R1, MAPPING ON PAVEMENTS, OUTCROPS, AND ALONG TRAVERSES.	A Y C
	ACQN/DEVL LOCATION : N762,743.93 (N) E562,488.87 (N) ARP-1			
*GS950108314222.001	FRACTURE MAPPING AT FRAN RIDGE, PAVEMENT P2001, BY DONALD S. SWEETKIND	11/29/94-01/10/95	PAVEMENT WAS MAPPED USING PROCEDURE GP-12, R1-M1, MAPPING FRACTURES ON PAVEMENTS, OUTCROPS AND ALONG TRAVERSES.	A Y P
	ACQN/DEVL LOCATION : UE-25 P2001			
*GS950208314222.002	PHOTOMICROGRAPHS OF THIN SECTIONS FROM FRAN RIDGE PAVEMENT P2001, BY FRANCES R. SINGER	12/06/94-02/09/95	GP-18,R1, PETROGRAPHIC ANALYSIS OF VOLCANIC ROCKS	A Y P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.4.2.2.4				
*GS940408314224.003	GEOLOGIC CROSS SECTION THROUGH THE NORTH RAMP STARTER TUNNEL (DWG.NO.OA-46-175) COMPILED BY: S. BEASON	03/01/94-04/30/94	CROSS SECTIONS WERE DEVELOPED USING CONTROL POINTS OBTAINED FROM THE RSN SURVEY DATA SHEETS AND THE STARTER TUNNEL MAPPING. A SCIENTIFIC NOTEBOOK WAS USED TO DOCUMENT THE METHOD - SN-0041,RO, "UNDERGROUND MAPPING OF THE NORTH RAMP STARTER TUNNEL AND APPURTENANCES".	D Y P
	ACQN/DEVL LOCATION : USBR, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS940408314224.004	PLAN VIEW MAP OF THE DRAINAGE CHANNEL AND PORTAL CUT GEOLOGIC MAP (DWG.NO.OA-46-174) COMPILED BY: S. BEASON	01/01/93-04/30/94	THE METHOD INVOLVES PLOTTING CONTROL POINTS OF SIGNIFICANT GEOLOGICAL FEATURES ON THE PLAN VIEW MAP, AND THEN ADDING NOTES AND SYMBOLS TO THE MAP FROM FIELD NOTES. A SCIENTIFIC NOTEBOOK WAS USED TO DOCUMENT THE METHOD - SN-0041,R0, "UNDERGROUND MAPPING OF THE NORTH RAMP STARTER TUNNEL AND APPURTENANCES".	D Y P
	ACQN/DEVL LOCATION : NORTH RAMP PORTAL VICINITY USBR, DENVER, CO			
*GS940408314224.005	FULL PERIPHERY GEOLOGIC MAP FROM TEST ALCOVE #1 (DWG.NO.OA-46-172) COMPILED BY: S. BEASON	11/01/93-04/30/94	THE METHOD INVOLVES PLOTTING THE POINTS AT WHICH VARIOUS FEATURES IN THE ESF ALCOVE CROSS THE CROWN CENTERLINE, THE TOP OF EACH WALL, OR THE BASE OF EACH WALL. THE INTERSECTION OF THE FEATURE IS PLOTTED AS A DOT ON THE MAP. THE FEATURE IS DRAWN BETWEEN THE POINTS WITH CURVES AS APPROPRIATE. A SCIENTIFIC NOTEBOOK WAS USED TO DOCUMENT THE METHOD - SN-0041,R0, "UNDERGROUND MAPPING OF THE NORTH RAMP STARTER TUNNEL AND APPURTENANCES".	D Y P
	ACQN/DEVL LOCATION : TEST ALCOVE #1, ESF USBR, DENVER, CO			
*GS950308314224.001	FRACTURE DATA SHEETS - 6 GROUPS OF DETAILED LINE SURVEY DATA FOR EXPLORATORY STUDIES FACILITY, NORTH RAMP STARTER TUNNEL: PILOT BORE, BENCH CUTS, TEST ALCOVE #1, SLASH CUTS, DRAINAGE CUTS, AND PORTAL CUT.	11/23/93-04/29/94	ACQUIRED DATA FROM FIELD NOTEBOOKS WERE COMPILED INTO TABLES	D Y P
	ACQN/DEVL LOCATION : USBR, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.4.3.1.1				
**SNT02012894001.001	GEOLOGIC CORE LOGS FOR USW SD-12	05/27/94-10/19/94	GEOLOGIC LOGGING OF DRILL CORE AND ASSOCIATED VIDEO TAPES; HAND SPECIMEN EXAMINATION UNDER HAND LENS OR BINOCULAR MICROSCOPE.	A Y C
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY			
**SNT02052794001.001	GEOLOGIC CORE LOGS FOR USW SD-9. (THIS DATA HAS BEEN SUPERSEDED BY DTN: SNT02052794001.002)	05/27/94-10/19/94	GEOLOGIC LOGGING OF DRILL CORE AND ASSOCIATED VIDEO TAPES; HAND SPECIMEN EXAMINATION UNDER HAND LENS OR BINOCULAR MICROSCOPE.	A Y C
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY			
Activity - 8.3.1.5.1.4.2				
**GS930708315142.003	PHYSICAL PROPERTIES AND RADIOMETRIC AGE ESTIMATES OF SURFICIAL AND FRACTURE-FILL DEPOSITS ALONG A PORTION OF THE CARPETBAG FAULT SYSTEM, NEVADA TEST SITE, NYE COUNTY, NEVADA BY R.R. SHROBA, D.R. MUHS, AND J.N. ROSHOLT.	01/01/87-07/01/88	THIS STUDY CHARACTERIZES SURFICIAL AND FRACTURE-FILL DEPOSITS IN ORDER TO HELP DEFINE THE CHRONOLOGY OF MOVEMENTS ALONG THE CARPETBAG FAULT SYSTEM. METHODS INCLUDE: 1) FIELD STUDIES ACCORDING TO BIRKELAND, 1985 2) URANIUM-TREND AND URANIUM-SERIES ANALYSES TO DETERMINE AGES 3) CHITTICK GASOMETRIC TESTS TO DETERMINE CALCIUM CARBONATE CONTENT AND 4) CORRELATION TECHNIQUES. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940108315142.003	FIELD NOTES AND STATION LOCATION MAP SUPPORTING SURFICIAL GEOLOGIC MAPPING OF THE NORTHEAST 1/4 OF THE BUSTED BUTTE 7.5' QUADRANGLE ACQN/DEVL LOCATION : 36 48'45"N 116 26'15"W ;36 52'30"N 116 22'30"W	05/01/92-12/22/93	GEOLOGIC MAPPING FOLLOWING TECHNICAL PROCEDURE GP-01,R2, GEOLOGIC MAPPING, INCLUDING AIRPHOTO INTERPRETATION AND FIELD OBSERVATIONS.	A Y P
**GS940108315142.004	PRELIMINARY SURFICIAL DEPOSITS MAP OF THE NORTHEAST QUARTER OF THE BUSTED BUTTE 7.5-MINUTE QUADRANGLE, BY S.C. LUNDSTROM, J.R. WESLING AND E.M. TAYLOR (1:12,000) ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV	05/01/92-12/22/92	COMPILATION AND ANALYSIS OF SURFICIAL DEPOSIT MAPPING DATA, INCLUDING AIRPHOTO INTERPRETATION AND FIELD OBSERVATIONS, AND AGE DATA FROM THERMOLUMINESCENCE AND U-SERIES ANALYSES OF SAMPLES.	D Y P
**GS940108315142.005	PRELIMINARY SURFICIAL DEPOSITS MAP OF THE SOUTHERN HALF OF THE TOPOPAH SPRING NW 7.5-MINUTE QUADRANGLE, BY S.C. LUNDSTROM AND E.M. TAYLOR (1:12,000) ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV	05/01/92-12/22/93	COMPILATION AND ANALYSIS OF SURFICIAL DEPOSIT MAPPING DATA, INCLUDING AIRPHOTO INTERPRETATION AND FIELD OBSERVATIONS, AND AGE DATA FROM THERMOLUMINESCENCE AND U-SERIES ANALYSES OF SAMPLES.	D Y P
**GS940708315142.008	PRELIMINARY SURFICIAL DEPOSITS MAP OF THE NORTHWEST QUARTER OF THE BUSTED BUTTE 7.5-MINUTE QUADRANGLE, NYE COUNTY, NEVADA, BY S.C. LUNDSTROM, S.A. MAHAN, AND J.B. PACES (1:12,000) ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV	04/04/94-07/27/94	THE MAP WAS COMPILED FROM A COMBINATION OF AIRPHOTO INTERPRETATION AND FIELD CHECKS AS DOCUMENTED IN FIELD NOTEBOOKS, AS WELL AS AGE DATA OBTAINED FROM THERMOLUMINESCENCE AND U-SERIES ANALYSES OF SAMPLES.	D Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS950208315142.001	FIELD NOTES AND STATION LOCATION MAP SUPPORTING PRELIMINARY MAP OF THE SURFICIAL DEPOSITS OF THE SOUTHERN 1/2 OF THE BUSTED BUTTE QUADRANGLE ACQN/DEVL LOCATION : 36 45'00"N 116 30'00"W ;36 48'45"N 116 22'30"W	08/01/94-01/26/95	GP-01,R2, GEOLOGIC MAPPING	A Y P
*GS950208315142.002	THERMOLUMINESCENCE DATA: TL-22, TL-25 THROUGH TL-33, TOTAL BLEACH, PARTIAL BLEACH, AND SUNLIGHT SENSITIVITY TESTS ACQN/DEVL LOCATION : USGS, DENVER, CO	09/15/94-02/02/95	GCP-29,R0, THERMOLUMINESCENCE DATING	A Y P
*GS950208315142.003	URANIUM AND THORIUM ISOTOPE DATA DETERMINED BY MASS SPECTROMETRY 1/1/94 - 9/1/94 ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/94-09/01/94	YMP-USGS-GCP-03,R2 AND R3, URANIUM-THORIUM DISEQUILIBRIUM STUDIES	A Y P
Activity - 8.3.1.5.2.1.1				
**GS940208315211.001	EVIDENCE OF PREHISTORIC FLOODING AND THE POTENTIAL FOR FUTURE EXTREME FLOODING AT COYOTE WASH, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY PATRICK A. GLANCY. ACQN/DEVL LOCATION : USGS, CARSON CITY, NV	10/01/87-08/17/92	FLOOD-HAZARD POTENTIAL WAS EVALUATED BY 1) D N C EXAMINATION OF TRENCHED UNCONSOLIDATED DEPOSITS TO CHARACTERIZE AND CHRONICLE PAST FLOOD EVENTS, 2) APPLICATION OF HYDROLOGIC TECHNIQUES TO ESTIMATE PEAK-FLOOD DISCHARGE AND 3) APPLICATION OF EMPIRICAL TECHNIQUES TO ESTIMATE POTENTIAL MAXIMUM DISCHARGE. RESULTS ARE PRESENTED IN SKETCHES AND TABLES.	

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.5.2.1.3				
**GS920708315213.004	WATER CHEMISTRY DATA FOR WATER SAMPLES OBTAINED DURING COLLECTION FIELD TRIP OF 3-22-92 TO 3-28-92 FROM THE FOLLOWING SITES: GRAPEVINE SPRINGS, STEWART VALLEY ESTATE, CARSON SLOUGH EAST SPRING, MESQUITE WELL, AMARGOSA DESERT-CARSON SLOUGH EAST FLOWING WELL, AND KING SPRING. RESULTS ARE FROM ANALYSIS BY NWQL.	04/14/92-06/15/92	STANDARD NWQL PROCEDURES AND METHODS ASSOCIATED WITH TECHNICAL PROCEDURE HP-23, R2, COLLECTION AND FIELD ANALYSIS OF GROUND-WATER SAMPLES FROM SATURATED ZONE.	A Y T
	ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO			
**GS930108315213.002	WATER CHEMISTRY AND SAMPLE DOCUMENTATION FOR TWO SAMPLES ANALYZED BY USGS-NWQL: 1) LATHROP WELLS CONE, 2) USW VH-2.	10/15/92-01/06/93	STANDARD USGS CENTRAL LABORATORY ANALYZING PROCEDURES.	A Y T
	ACQN/DEVL LOCATION : USGS CENTRAL LAB, ARVADA, CO			
**GS930108315213.004	URANIUM ISOTOPIC ANALYSES OF GROUNDWATERS FROM SW NEVADA - SE CALIFORNIA.	07/23/92-11/30/92	DATA WERE ACQUIRED PER GCP-28,R0, "URANIUM ISOTOPIC GEOCHEMISTRY".	A Y C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS930108315213.006	RECHARGE ESTIMATES USING GEOMORPHIC/DISTRIBUTED-PARAMETER SIMULATION APPROACH, AMARGOSA RIVER BASIN, BY W.R. OSTERKAMP, L.J. LANE, AND C.S. SAVARD. INCLUDES WATER BALANCE ESTIMATES AT SELECTED STREAM CHANNEL SITES.	12/01/91-08/30/92	USE OF DISTRIBUTED PARAMETER RUNOFF SIMULATION MODEL AND MODIFICATION OF A FIELD-SCALE MODEL FOR INTERCHANNEL RUNOFF AND RECHARGE.	D N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS930208315213.008	VEGETATION TRANSECT DATA FOR AMARGOSA VALLEY INCLUDING VEGETATION SPECIES NAMES, COVERAGES, LENGTH, HEIGHT AND WIDTH. COLLECTED BY L. DEMARCO, J. EMERICK AND OTHERS.	04/08/90-04/24/90	HP-173, R0, DATA COLLECTION PROTOCOL FOR PLANT COMMUNITY ANALYSIS, USED TO COLLECT RAW VEGETATION DATA MEASUREMENTS.	A Y P
	ACQN/DEVL LOCATION :			
	36 47'25"N 116 17'31"W			
	36 25'27"N 116 18'01"W			
	36 25'25"N 116 18'02"W			
	36 37'47"N 116 18'06"W			
	36 38'04"N 116 18'11"W			
	36 24'36"N 116 18'15"W			
	36 24'37"N 116 18'21"W			
	36 36'30"N 116 18'37"W			
	36 46'37"N 116 19'04"W			
	36 37'41"N 116 19'27"W			
	36 14'35"N 116 20'20"W			
	36 38'11"N 116 20'36"W			
	36 46'04"N 116 20'38"W			
	36 14'35"N 116 20'40"W			
	36 49'07"N 116 21'36"W			
	36 28'42"N 116 21'41"W			
	36 28'27"N 116 21'55"W			
	36 14'25"N 116 22'05"W			
	36 14'55"N 116 22'25"W			
	36 28'03"N 116 22'31"W			
	36 38'15"N 116 22'31"W			
	36 47'32"N 116 23'03"W			
	36 24'14"N 116 23'17"W			
	36 45'19"N 116 23'28"W			
	36 45'16"N 116 23'38"W			
	36 45'14"N 116 23'40"W			
	36 49'09"N 116 23'50"W			
	36 17'17"N 116 24'36"W			
	36 25'32"N 116 25'23"W			
	36 47'08"N 116 25'45"W			
	36 35'03"N 116 26'03"W			
	36 25'43"N 116 26'50"W			
	36 39'33"N 116 26'51"W			
	36 25'43"N 116 26'55"W			
	36 18'00"N 116 27'32"W			
	36 33'15"N 116 28'45"W			
	36 39'45"N 116 29'30"W			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	36 36'38"N 116 29'31"W			
	36 29'30"N 116 29'59"W			
	36 29'30"N 116 30'01"W			
	36 33'13"N 116 30'05"W			
	36 33'20"N 116 30'05"W			
	36 27'01"N 116 30'17"W			
	36 21'36"N 116 30'35"W			
	36 26'48"N 116 30'40"W			
	36 21'00"N 116 31'03"W			
	36 47'46"N 116 31'31"W			
	36 47'50"N 116 31'31"W			
	36 20'04"N 116 31'38"W			
	36 47'15"N 116 32'08"W			
	36 39'48"N 116 32'34"W			
	36 47'43"N 116 33'36"W			
	36 47'44"N 116 33'38"W			
	36 47'53"N 116 34'03"W			
	36 48'03"N 116 34'34"W			
**GS930208315213.010	WATER CHEMISTRIES FOR WATER SAMPLES COLLECTED FROM 11/4/92 TO 11/8/92 BY E. GUTENTAG AND J. WATSON.	11/01/92-02/28/93	STANDARD USGS-NWQL (APPROVED VENDOR) LAB ANALYSIS METHODS	A Y T
	ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO			
**GS930408315213.014	NWQL WATER CHEMISTRIES FROM WATER SAMPLES COLLECTED DURING FIELD-COLLECTION TRIP OF MARCH 7-12, 1993.	03/18/93-04/02/93	STANDARD USGS NATIONAL WATER QUALITY LAB ANALYTICAL LABORATORY METHODS.	A Y T
	ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS930808315213.019	USGS NWQL-DERIVED WATER CHEMISTRIES FROM SAMPLES COLLECTED 4/23/93 TO 5/3/93, CALIFORNIA AND NEVADA. ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO	06/01/93-08/01/93	STANDARD USGS-NWQL LAB METHODS	A Y T
**GS930908315213.020	USGS NWQL WATER CHEMISTRIES DERIVED FROM SAMPLES COLLECTED 6-2-93 TO 6-5-93. ACQN/DEVL LOCATION : USGS NWQL, ARVADA, CO	06/02/93-09/12/93	STANDARD USGS NATIONAL WATER QUALITY LAB METHODS AND PROCEDURES.	A Y T
**GS931208315213.022	PHYSICAL WATER PROPERTIES OBTAINED IN FIELD DURING SAMPLING TRIPS FROM 5/3/89 THROUGH 6/30/93. DATA RECORDED ON SAMPLE COLLECTION FORMS. ACQN/DEVL LOCATION : 35 00'00"N 118 00'00"W ;38 00'00"N 115 00'00"W	07/08/90-07/13/90 02/25/91-02/28/91 07/29/91-08/02/91 03/22/92-03/28/92 11/04/92-11/08/92 03/07/93-03/12/93 04/23/93-05/03/93 06/01/93-06/08/93	YMP-USGS TECHNICAL PROCEDURES HP-59,RO, METHOD FOR CALIBRATING DIGITAL THERMOMETERS; HP-23,RO R2 &R3, COLLECTION AND FIELD ANALYSIS OF GROUND-WATER SAMPLES FROM SATURATED ZONE; AND HP-91,RO R1 R2 &R3, COLLECTION AND FIELD ANALYSIS OF SURFACE-WATER SAMPLES.	A Y T
**GS940908315213.002	U-TH ISOTOPIC DATA AND U-SERIES DISEQUILIBRIUM DATING OF SPRING DISCHARGE DEPOSITS NEAR THE SOUTHERN END OF CRATER FLAT. DATA INCLUDE SAMPLE PREPARATION DESCRIPTIONS, ALPHA SPECTROMETRIC RESULTS, MASS SPECTROMETRIC RESULTS, A SUMMARY OF ISOTOPIC DATA INCLUDING THE PERTINENT RATIOS, ERRORS AND ERROR CORRELATIONS OF THE ISOTOPES OF INTEREST (238U, 236U, 234U, 232TH, 230TH, 229TH), AND RESULTS OF REGRESSION ANALYSIS TO OBTAIN 230TH/U AGES. ACQN/DEVL LOCATION : USGS U-SERIES LABS, DENVER, CO	11/01/92-09/08/94	YMP-USGS GCP-03,R2, U-SERIES DATING AND GCP-03,R3, URANIUM-THORIUM DISEQUILIBRIUM STUDIES	A Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940908315213.003	RADIOCARBON DATE BY ACCELERATOR MASS SPECTROMETRY OF INORGANIC CARBON FROM A CALCIFIED RHIZOLITH: PALEOSPRING DEPOSITS, SOUTHERN END OF CRATER FLAT. DATA INCLUDE SAMPLE AND PRETREATMENT DESCRIPTIONS, MEASURED RADIOCARBON AGES, DELTA 13C, CONVENTIONAL 14C AGE, AND CALIBRATED 14C AGE. ACQN/DEVL LOCATION : BETA ANALYTIC, INC., MIAMI, FL	07/01/94-09/08/94	ACCELERATOR MASS SPECTROMETRY USGS-QA APPROVED VENDOR, BETA ANALYTIC, INC	A Y C
**GS940908315213.005	U CONCENTRATIONS AND 234U/238U RATIOS FOR WATERS IN YUCCA MOUNTAIN REGION. DATA WERE OBTAINED 1/1/93 TO 9/10/93 AND INCLUDE SAMPLE WEIGHTS, URANIUM CONCENTRATIONS, MASS SPECTROMETRIC RESULTS FOR 234U/235U AND CALCULATED 234U/238U ACTIVITY RATIOS. ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/93-09/10/94	YMF USGS GCP-28,R0 AND R1, URANIUM ISOTOPE GEOCHEMISTRY	A Y T
**GS941008315213.006	WATER CHEMISTRY DATA FOR WATER SAMPLES COLLECTED FROM 2/25/91 THROUGH 2/28/91 IN NEVADA AND CALIFORNIA. ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO	04/23/91-04/29/91	SAMPLES ANALYZED USING STANDARD NWQL PROCEDURES.	A Y T
**GS941008315213.007	WATER CHEMISTRY DATA FROM WATER SAMPLES COLLECTED 7/29/91 THROUGH 8/2/91 IN NEVADA. ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO	08/19/91-10/24/91	SAMPLES ANALYZED USING STANDARD NWQL TECHNIQUES.	A Y T

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
**GS941008315213.008	WATER CHEMISTRY DATA OBTAINED FROM SAMPLES COLLECTED BETWEEN 7/8/90 AND 7/13/90 IN NEVADA AND UTAH.	10/29/90-10/29/90	WATER SAMPLES ANALYZED USING STANDARD USGS A Y T NWQL TECHNIQUES. SAMPLES COLLECTED ACCORDING TO HP-23,R1 "COLLECTION AND FIELD ANALYSIS OF GROUND-WATER SAMPLES FROM THE SATURATED ZONE," AND HP-91,R1 "COLLECTION AND FIELD ANALYSIS OF SURFACE-WATER SAMPLES."
	ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO		
*GS950208315142.003	URANIUM AND THORIUM ISOTOPE DATA DETERMINED BY MASS SPECTROMETRY 1/1/94 - 9/1/94	01/01/94-09/01/94	YMF-USGS-GCP-03,R2 AND R3, URANIUM-THORIUM A Y P DISEQUILIBRIUM STUDIES
	ACQN/DEVL LOCATION : USGS, DENVER, CO		
*GS950208315213.001	PHYSICAL PROPERTIES OF SOIL SAMPLES FOR AMARGOSA VALLEY, APRIL TO JUNE 1990 (L. DEMARCO DATA)	04/08/90-06/22/90	HP-203,R0, COLLECTION OF SOIL SAMPLES FOR A Y P CORRELATION WITH PLANT COMMUNITY DATA AND WITH REMOTE SENSING ANALYSIS, AND GP-17, R0, DESCRIBING AND SAMPLING SOILS IN THE FIELD.
	ACQN/DEVL LOCATION :		
	36 47'25"N 116 17'31"W		
	36 25'27"N 116 18'01"W		
	36 25'25"N 116 18'02"W		
	36 37'47"N 116 18'06"W		
	36 38'04"N 116 18'11"W		
	36 24'36"N 116 18'15"W		
	36 24'37"N 116 18'21"W		
	36 36'30"N 116 18'37"W		
	36 49'05"N 116 18'45"W		
	36 46'37"N 116 19'04"W		
	36 37'41"N 116 19'27"W		
	36 14'35"N 116 20'20"W		
	36 38'11"N 116 20'36"W		
	36 46'04"N 116 20'38"W		
	36 14'35"N 116 20'40"W		
	36 49'07"N 116 21'36"W		
	36 28'42"N 116 21'41"W		
	36 28'27"N 116 21'55"W		
	36 14'25"N 116 22'05"W		

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36	21'30"N 116 22'12"W		
36	14'55"N 116 22'25"W		
36	28'03"N 116 22'31"W		
36	38'15"N 116 22'31"W		
36	47'32"N 116 23'03"W		
36	14'59"N 116 23'06"W		
36	24'14"N 116 23'17"W		
36	45'19"N 116 23'28"W		
36	45'16"N 116 23'38"W		
36	45'14"N 116 23'40"W		
36	49'09"N 116 23'50"W		
36	49'15"N 116 23'56"W		
36	16'45"N 116 24'21"W		
36	17'17"N 116 24'36"W		
36	48'17"N 116 25'03"W		
36	25'32"N 116 25'23"W		
36	47'48"N 116 25'26"W		
36	47'08"N 116 25'45"W		
36	35'03"N 116 26'03"W		
36	39'26"N 116 26'06"W		
36	25'43"N 116 26'50"W		
36	39'33"N 116 26'51"W		
36	25'43"N 116 26'55"W		
36	50'05"N 116 27'25"W		
36	18'00"N 116 27'32"W		
36	33'15"N 116 28'45"W		
36	39'45"N 116 29'30"W		
36	36'38"N 116 29'31"W		
36	29'45"N 116 29'43"W		
36	29'30"N 116 29'59"W		
36	29'30"N 116 30'01"W		
36	33'13"N 116 30'05"W		
36	33'20"N 116 30'05"W		
36	27'01"N 116 30'17"W		
36	46'40"N 116 30'25"W		
36	21'36"N 116 30'35"W		
36	26'48"N 116 30'40"W		
36	21'00"N 116 31'03"W		
36	47'46"N 116 31'31"W		
36	47'50"N 116 31'31"W		
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36	47'15"N 116 32'08"W		
36	39'48"N 116 32'34"W		

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
	36 47'43"N 116 33'36"W 36 47'44"N 116 33'38"W 36 47'53"N 116 34'03"W 36 48'03"N 116 34'34"W		
Activity - 8.3.1.5.2.1.4			
**GS910908315214.003	METEOROLOGICAL, STREAM-DISCHARGE, AND WATER-QUALITY DATA FOR 1986 THROUGH 1991 FROM TWO SMALL BASINS IN CENTRAL NEVADA, BY P.W. MCKINLEY AND T.A. OLIVER	09/01/90-08/31/93	DATA WAS DEVELOPED INTO DAILY VALUE TABLES D N T USING THE NATIONAL WATER INFORMATION SYSTEM (NWIS) DATABASE.
	ACQN/DEVL LOCATION : USGS, DENVER, CO		
**GS930908315214.015	METEOROLOGICAL DATA FROM A STATION AT ORGAN PIPE CACTUS NAT'L MONUMENT, ARIZONA: BAROMETRIC PRESSURE, SOLAR RADIATION, AIR TEMPERATURE, WIND VELOCITY, RELATIVE HUMIDITY.	08/02/92-03/31/94	SCIENTIFIC NOTEBOOK PLAN NWM-USGS HP-211T, A N T R O, LONG TERM METEOROLOGICAL DATA COLLECTION. AFTER APPROVAL OF THE ACSR NO. YMP-USGS-ACS G1236221-1,R1 THE DATA COLLECTION HAS BEEN CONTINUED IN A SIMILAR MANNER BUT WITHOUT USING A CONTROLLED SNP.
	ACQN/DEVL LOCATION : 32 05'24"N 112 44'21"W		
Activity - 8.3.1.5.2.1.5			
**GS910508315215.005	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 5/3/89 TO 5/9/91	05/03/89-05/09/91	NWM-USGS-GCP-12,R1-3, RB-SR ISOTOPE GEOCHEMISTRY. A Y T
	ACQN/DEVL LOCATION : USGS, DENVER, CO		

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS920208315215.008	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 5/10/91 TO 2/28/92 ACQN/DEVL LOCATION : SOLID SOURCE MASS SPECTROMETER BAY, USGS, DENVER, CO	05/10/91-02/28/92	NWM-USGS GCP-12,R3, RB-SR ISOTOPE GEOCHEMISTRY	A Y T
**GS920208315215.012	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 4/8/88 TO 5/2/89 ACQN/DEVL LOCATION : SOLID SOURCE MASS SPECTROMETER BAY, USGS, DENVER, CO	04/08/88-05/02/89	NWM-USGS GCP-12,R0, RB-SR ISOTOPE GEOCHEMISTRY.	A N T
**GS921208315215.028	PALEOHYDROLOGIC IMPLICATIONS OF THE STABLE ISOTOPIC COMPOSITION OF SECONDARY CALCITE WITHIN THE TERTIARY VOLCANIC ROCKS OF YUCCA MOUNTAIN, NEVADA BY JOSEPH F. WHELAN AND JOHN S. STUCKLESS. ACQN/DEVL LOCATION : USGS, DENVER, CO	05/31/91-04/10/92	DATA FROM CARBON AND OXYGEN ISOTOPIC COMPOSITION STUDIES OF CALCITE SAMPLED THROUGHOUT THE VOLCANIC SECTION WERE USED TO DETERMINE THE TEXTURAL, PARAGENETIC, AND GEOCHEMICAL DIFFERENCES WHICH DISTINGUISH CALCITE DEPOSITED BELOW THE WATER TABLE FROM THAT DEPOSITED IN THE UNSATURATED ZONE.	D Y T
**GS930108315215.008	PRELIMINARY STUDY OF LEAD ISOTOPES IN THE CARBONATE-SILICA VEINS OF TRENCH 14, YUCCA MOUNTAIN, BY R.E. ZARTMAN AND L.M. KWAK ACQN/DEVL LOCATION : USGS, DENVER, CO	09/01/89-05/31/91	ANALYSIS OF SOURCE MATERIALS THAT HAVE CONTRIBUTED TO THE TRENCH-14 CARBONATE-SILICATE VEINS BASED ON A LEAD ISOTOPE CHARACTERIZATION OF THE VEIN & OTHER ROCKS FROM WHICH THE LEAD MAY HAVE BEEN DERIVED.	D Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS930108315215.009	URANIUM-SERIES DATING OF SECONDARY CARBONATES NEAR YUCCA MOUNTAIN, NEVADA: APPLICATIONS TO TECTONIC, PALEOCLIMATIC AND PALEOHYDROLOGIC PROBLEMS BY D.R. MUHS, J.W. WHITNEY, R.R. SHROBA, E.M. TAYLOR, AND C.A. BUSH	11/01/89-02/21/90	IN THE YUCCA MTN. NV AREA SOILS & SURFICIAL GEOLOGIC DEPOSITS ARE OFTEN THE HOST FOR ACCUMULATIONS OF SECONDARY CALCIUM CARBONATE. SUCH CARBONATES ARE OFTEN USEFUL FOR GEOCHRONOLOGIC STUDIES BECAUSE THEY FORMED AFTER DEPOSITION OF THE HOST SEDIMENT. THEREFORE, THEY PROVIDE USEFUL MINIMUM AGES FOR THE HOST SEDIMENT OR SOIL. THE CARBONATES WERE DATED USING THE URANIUM-SERIES DISEQUILIBRIUM METHOD (230TH / 234U) BECAUSE URANIUM BUT NO THORIUM IS COPRECIPITATED WITH THE CARBONATE.	D N T
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
**GS930908315215.027	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 3/2/92 TO 11/18/92	03/02/92-11/18/92	GCP-12,R3, RB-SR ISOTOPE GEOCHEMISTRY.	A Y T
	ACQN/DEVL LOCATION : SOLID SOURCE MASS SPECTROMETER BAY, USGS, DENVER, CO			
**GS931008315215.029	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 11/19/92 TO 12/3/93.	11/19/92-12/03/93	USGS TECHNICAL PROCEDURE GCP-12,R3, RB-SR ISOTOPE GEOCHEMISTRY	A Y T
	ACQN/DEVL LOCATION : SOLID SOURCE MASS SPECTROMETER BAY, USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	D A U L T A O A L C I A T I O N E D N
**GS931008315215.030	CARBON AND OXYGEN ISOTOPE ANALYSES OF CAVITY- AND FRACTURE-COATING CALCITE AND SOIL CARBONATE FROM DRILL HOLES AND OUTCROPS, MAY '89 - OCT. '93. ACQN/DEVL LOCATION : USGS, DENVER, CO	05/15/89-10/31/93	NWM-USGS GCP-16,R3, CARBONATE CARBON AND OXYGEN ISOTOPE ANALYSES.	A Y T
**GS931108315215.032	ASSESSING THE NATURAL PERFORMANCE OF FELSIC TUFFS USING THE RB-SR AND SM-ND SYSTEMS--A STUDY OF THE ALTERED ZONE IN THE TOPOPAH SPRING MEMBER, PAINTBRUSH TUFF, YUCCA MOUNTAIN, NEVADA BY Z.E. PETERMAN, R.W. SPENGLER, K. FUTA, B.D. MARSHALL, AND S.A. MAHAN. THESE DATA ARE SUPERSEDED BY DATA IDENTIFIED BY DTM GS950308314211.015. ACQN/DEVL LOCATION : USGS, DENVER, CO	07/01/90-11/30/90	THIS STUDY UNDERTAKEN TO HELP DETERMINE THE VERTICAL AND LATERAL CHARACTERISTICS OF VOLCANIC STRATA AND THE NATURE, EXTENT, AND TIMING OF THEIR ALTERATION. EMPHASIS IS ON 1) ZEOLITIZED ZONE ASSOCIATED WITH THE LOWER VITROPHYRE, AND 2) DENSELY WELDED HIGH-SILICA RHYOLITE. DATA RESULTS PRESENTED IN TABULAR AND GRAPHICAL FORMATS.	D N P
**GS931108315215.033	FLUID INCLUSION TEMPERATURES FROM DRILL HOLES USW G-1 AND G-2, OCT. 92 - SEPT. 93. ACQN/DEVL LOCATION : HARVARD UNIV., CAMBRIDGE, MA	10/01/92-09/30/93	NWM-USGS GCP-27,R0, DETERMINATION OF TEMPERATURE AND SALINITY FROM MINERAL-HOSTED FLUID INCLUSIONS.	A Y T
**GS931108315215.034	CARBON 14 AGES FROM DRILL HOLES USW G-1, G-2, GU-3, AND G-4, APRIL 92 - JAN. 93. ACQN/DEVL LOCATION : LLNL, LIVERMORE, CA UNIV. OF COLORADO, BOULDER, CO	04/01/92-01/31/93	DATA WERE ACQUIRED BY DR. T. STAFFORD OF THE UNIVERSITY OF COLORADO. CARBONATE CARBON WAS EXTRACTED BY STANDARD 14C PROCEDURES AND THE 14C CONTENT WAS DETERMINED BY AMS AT LAWRENCE LIVERMORE NATIONAL LABORATORIES.	A N T

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**GS931108315215.035	OXYGEN STABLE ISOTOPE ANALYSES OF OPAL FROM DRILL HOLES AND OUTCROPS, JUNE 92 - AUG. 92.	06/01/92-08/31/92	DATA WERE ACQUIRED BY DR. L. KNAUTH OF ARIZONA STATE UNIV. DR. KNAUTH IS AN APPROVED QA VENDOR. DATA ACQUIRED BY STEPWISE FLUORINATION OF OPALINE SILICA TO REMOVE EXTRANEIOUS WATER PRIOR TO EXTRACTION OF THE SILICATE OXYGEN.	A Y T
	ACQN/DEVL LOCATION : ASU, TEMPE, AZ			
**GS940608315215.006	OXYGEN STABLE ISOTOPE ANALYSES OF OPAL FROM DRILL HOLES AND OUTCROP, JUNE 1994.	06/08/94-06/14/94	DATA WAS ACQUIRED AT THE USGS BY STEPWISE FLUORINATION OF OPALINE SILICA TO REMOVE EXTRANEIOUS WATER PRIOR TO EXTRACTION OF THE SILICATE OXYGEN. GCP-15,R3: OXYGEN ISOTOPE ANALYSIS OF OPAL, CHALCEDONY, AND QUARTZ	A Y T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS940608315215.007	OXYGEN AND HYDROGEN STABLE ISOTOPE ANALYSES OF SPRING WATERS, FEB-JUNE, 1994	02/02/94-06/20/94	DATA WAS ACQUIRED AT THE USGS. OXYGEN DATA WERE COLLECTED BY REACTING A KNOWN AMOUNT OF CO2 WITH THE WATER, AND THE DEUTERIUM DATA WAS COLLECTED BY EXTRACTING H2 USING THE ZINC SHOT METHOD. GCP-17,R2 AND R3 - DETERMINATION OF THE ISOTOPE RATIO OF H/D IN H2O AND SN-0058, EXTRACTION TECHNIQUE FOR DETERMINATION OF DELTA O18 IN H2O	A Y T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	D Q A U L T A O A L C I A T F T Y I I P E O E D N
**GS940908315215.008	OXYGEN AND HYDROGEN STABLE ISOTOPE ANALYSES OF SOUTHERN NEVADA SPRINGS, JULY - AUGUST, 1994	07/01/94-08/26/94	OXYGEN DATA WERE COLLECTED BY EQUILIBRATING A KNOWN AMOUNT OF CO2 WITH THE WATER, AND THE DEUTERIUM DATA WAS COLLECTED BY EXTRACTING H2 USING THE ZINC SHOT METHOD. SN-0058, EXTRACTION TECHNIQUES FOR DETERMINATION OF DELTA 18O IN H2O, GCP-17,R3, DETERMINATION OF THE ISOTOPIC RATIO OF H/D IN H2O	A Y T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS941108315215.010	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 12/6/93 TO 8/17/94	12/06/93-08/17/94	USGS TECHNICAL PROCEDURE GCP-12,R3 AND R4, RB-SR ISOTOPE GEOCHEMISTRY	A Y P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS950308315215.001	ORIGINS OF SECONDARY SILICA WITHIN YUCCA MOUNTAIN, NEVADA, BY R. MOSCATI AND J. WHELAN	02/01/95-03/01/95	THE REPORT PRESENTS A SUMMARY OF PRELIMINARY STUDIES OF THE STABLE ISOTOPIC COMPOSITIONS AND FORMATION TEMPERATURES OF SECONDARY SILICA MINERALIZATION FROM PEDOGENIC, DRILL CORE, AND HIGH-TEMPERATURE DIAGENETIC SETTINGS IN AND NEAR YUCCA MOUNTAIN, NEVADA	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.8.1.2.1				
*LA000000000129.001	ENTRAINMENT OF COUNTRY ROCK DURING BASALTIC ERUPTIONS OF THE LUCERO VOLCANIC FIELD, NEW MEXICO	03/01/94-12/01/94	VOLUME FRACTIONS OF XENOLITHS FROM DIFFERENT DEPTHS BENEATH TWO VOLCANIC CENTERS (LUCERO VOLCANIC FIELD, NM) WERE ESTIMATED IN THE FIELD AND WITH THE USE OF A PETROGRAPHIC MICROSCOPE	A Y P
ACQN/DEVL LOCATION : LOS ALAMOS NATIONAL LABORATORY				
Activity - 8.3.1.8.2.1.1				
*GS950108318211.001	DEPTH TO PRE-CENOZOIC BASEMENT IN SOUTHWEST NEVADA, BY V.E. LANGENHEIM AND D.A. PONCE	11/01/94-12/30/94	AN ISOPACH MAP WAS DERIVED FROM PREVIOUSLY PUBLISHED GRAVITY AND GEOLOGIC DATA	D N P
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.8.3.2.5				
**GS920708318325.001	HYDROGEOLOGIC ANALYSIS OF THE SATURATED-ZONE GROUND-WATER SYSTEM UNDER YUCCA MOUNTAIN, NEVADA, BY C.J. FRIDRICH, W.W. DUDLEY, JR., AND J.S. STUCKLESS	01/02/92-03/31/92	SYNTHESIS OF PREVIOUSLY PUBLISHED SURFACE AND SUBSURFACE GEOLOGIC DATA, AND ISOTOPIC, GEOPHYSICAL AND HYDROLOGIC DATA TO SHOW THE RELATION OF THE LARGE HYDRAULIC GRADIENT UNDER YUCCA MTN TO: A HEAT FLOW LOW, A GRAVITY LOW, AN AEROMAGNETIC HIGH, SUBSURFACE STRATIGRAPHIC CHANGES, LINEAR THERMAL HIGHS AT THE WATER TABLE, GROUND-WATER ISOTOPIC CHANGES, AND A REGIONAL-SCALE ZONE OF LARGE HYDRAULIC GRADIENT.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.8.5.2.3				
*GS950108314212.001	MAJOR RESULTS OF REGIONAL GEOPHYSICAL INVESTIGATIONS AT YUCCA MOUNTAIN AND VICINITY, NEVADA, H.W. OLIVER, D.A. PONCE, AND W.C. HUNTER, EDITORS	08/01/87-12/30/94	DESCRIPTION OF INVESTIGATIONS FOCUSING ON GRAVITY, MAGNETIC, MAGNETOTELLURIC, SEISMIC REFRACTION, SEISMIC REFLECTION AND TELESEISMIC STUDIES. THE GEOLOGIC AND REGIONAL THERMAL SETTINGS AS WELL AS STRESS MEASUREMENTS ARE INCLUDED.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
Activity - 8.3.1.9.2.1.1				
**GS941108319211.002	LEAD ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR URANIUM, THORIUM, AND LEAD, APRIL TO JULY 1994.	04/16/94-07/15/94	USGS TECHNICAL PROCEDURE GCP-13,R2: U-TH-PB ISOTOPE GEOCHEMISTRY	A Y P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS941108319211.003	OXYGEN ISOTOPE DATA ON TIVA CANYON TUFF FROM ANTLER RIDGE SECTION	12/22/93-02/10/94	DATA WERE COLLECTED BY APPROVED SUPPLIER, KRUGER ENTERPRISES, GEOCHRON LABORATORIES (ASL-34), USING GEOCHRON LABS STANDARD OPERATING PROCEDURES PER PO-162841-94	A Y P
	ACQN/DEVL LOCATION : KRUGER ENT. GEOCHRON LABS, CAMBRIDGE, MASSACHUSETTS			
*GS941208319211.004	OXYGEN ISOTOPE DATA ON TUFF BRECCIA SAMPLES FROM TRENCH 14 AND BUSTED BUTTE	07/01/94-07/29/94	DEPT. OF GEOLOGICAL SCIENCES, UNIVERSITY OF SASKATCHEWAN STANDARD OPERATING PROCEDURES PER PO-162934-94	A Y P
	ACQN/DEVL LOCATION : UNIV. OF SASKATCHEWAN, SASKATOON, CANADA			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS941208319211.005	GEOCHEMICAL AND PB, SR, AND O ISOTOPIC STUDY OF THE TIVA CANYON TUFF AND TOPOPAH SPRING TUFF IN THE VICINITY OF YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY L. NEYMARK, B. MARSHALL, L. KWAK, K. FUTA AND S. MAHAN ACQN/DEVL LOCATION : USGS, DENVER, CO	07/01/94-11/30/94	IN THIS REPORT GEOCHEMICAL AND ISOTOPIC MEASUREMENTS OF ALTERED TIVA CANYON TUFF AND TOPOPAH SPRING TUFF COLLECTED FROM FAULT ZONES EXPOSED TO THE EAST OF YUCCA MTN AND FROM ONE DRILL CORE ARE COMPARED TO THEIR UNALTERED EQUIVALENTS SAMPLED BOTH IN OUTCROP AND DRILL CORE.	D N P
*GS950208319211.001	INAA ELEMENTAL ANALYSES OF TIVA CANYON TUFF (UPPER CLIFF AND CAPROCK ZONES) ACQN/DEVL LOCATION : ACTIVATION LABS LTD., ANCASTER, CANADA	07/14/94-08/03/94	THE DATA WERE COLLECTED BY YMP-USGS APPROVED SUPPLIER, ACTIVATION LABORATORIES LIMITED, USING THEIR STANDARD OPERATING PROCEDURES (PER 94-PO-0008)	A Y P
*GS950208319211.002	OXYGEN ISOTOPE DATA ON TUFF SAMPLES OF TIVA CANYON (UPPER CLIFF AND CAPROCK ZONES) ACQN/DEVL LOCATION : UNIV. OF SASKATCHEWAN, SASKATOON, CANADA	05/01/94-12/12/94	THE DATA WERE COLLECTED BY YMP-USGS APPROVED SUPPLIER, DEPT. OF GEOLOGICAL SCIENCES, UNIVERSITY OF SASKATCHEWAN, USING THEIR STANDARD OPERATING PROCEDURES PER PO-162934-94	A Y P
*GS950308319211.007	ACTIVATION LABORATORIES INAA ELEMENTAL ANALYSES OF DRILL CORE SAMPLES FROM USW G-2 ACQN/DEVL LOCATION : ACTIVATION LABS LTD., ANCASTER, CANADA	09/26/94-10/18/94	THESE DATA WERE SUPPLIED BY YMP-USGS APPROVED SUPPLIER, ACTIVATION LABORATORIES LIMITED, USING THEIR STANDARD LABORATORY OPERATING PROCEDURES PER YMP-USGS 94-PO-0008	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.9.2.1.3				
*GS950308319213.001	PREVIOUSLY UNPUBLISHED DOWNHOLE TEMPERATURE DATA FOR WELLS NEAR OR AT YUCCA MOUNTAIN, NEVADA - LOGGED FROM MAY '79 TO DEC. '81. DATA ARE THE LOGGED TEMPERATURES, MINIMUM AND MAXIMUM, OF THE BOREHOLE.	05/10/79-12/30/81	MEASUREMENT OF SUBSURFACE TEMPERATURE AS DESCRIBED IN SASS, ET AL., 1971, HEATFLOW IN THE WESTERN UNITED STATES: JOURNAL OF GEOPHYSICAL RESEARCH, V.76, P.6376-6413, AND SASS, ET AL., 1981, HEAT FLOW FROM THE CRUST OF THE UNITED STATES, IN TOULOUKIAN, ET AL., EDITORS, PHYSICAL PROPERTIES OF ROCKS AND MINERALS: MCGRAW-HILL, NY, P.503-548	A N P
	ACQN/DEVL LOCATION : UE-25 A#1 USW G-1 USW H-1			
*GS950308319213.002	PREVIOUSLY UNPUBLISHED DOWNHOLE TEMPERATURE DATA FOR WELLS NEAR OR AT YUCCA MOUNTAIN, NEVADA - LOGGED FROM JAN.'82 TO SEPT.'85. DATA ARE THE LOGGED TEMPERATURES, MINIMUM AND MAXIMUM, OF THE BOREHOLE.	01/13/82-09/11/85	NWM-USGS GPP-02,R0, (EFFECTIVE 1/11/82) HEAT FLOW STUDIES RELATED TO NUCLEAR WASTE STORAGE INVESTIGATIONS, AND NWM-USGS GPP-05,R0, (EFFECTIVE 7/9/84) HEAT FLOW STUDIES CALIBRATION PROCEDURE.	A N P
	ACQN/DEVL LOCATION : UE-25 B#1 UE-25 P#1 USW G-2 USW G-3 USW G-4 USW H-1 USW H-3 USW H-5 USW H-6			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.14.2.2				
*SNF29041993002.029	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOIL TEST DATA FOR PRE-RANIER MESA AND RANIER MESA TUFFS. (THIS DATA IS IN APPENDIX C, OF SLTR94-0001, "SOILS LABORATORY AND IN SITU TEST DATA", ISSUED 10/04/94).	09/15/93-04/20/94	THE FOLLOWING STANDARD TESTING METHODS WERE USED TO PERFORM SOIL CHARACTERIZATION AND STRENGTH TESTS: ASTM C-2216-90, ASTM D-2216-93, AND ASTM C-566-89 (MOISTURE CONTENT); ASTM C-136-84A, ASTM D-422-63, AND ASTM D-422-90 (SIEVE ANALYSIS); ASTM D-1140-54, ASTM D-1140-90, AND ASTM D-1140-92 (PASSING #200); ASTM D-2434-68 (REAPPROVED 1974) (SOIL PERMEABILITY TO MERCURY TAP WATER); ASTM D-1196-87 (BEARING CAPACITY OF SOIL FOR STATIC LOAD); ASTM D-2922-91 AND ASTM D-3017-88 (NUCLEAR DENSITY); AND ASTM D-1188-89 (BULK DENSITY OF ROCK); ASTM D-1556-90 (SAND CONE DENSITY); ASTM 1452-90, ASTM 1586-84, AND ASTM 2488-90 (LOG OF BORING-PENETRATION TEST); ASTM D-854-91 AND ASTM C-127/C-128-88 (SPECIFIC GRAVITY)	A Y P

ACQN/DEVL LOCATION : NTS/AREA 25/NRT-1 TRENCH; MATERIAL TEST LABORATORY
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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.14.2.2.2				
**SNF29041993002.010	SCHMIDT HAMMER TEST DATA FROM NRG DRILLHOLES CORE.	10/01/93-12/01/93	SCIENTIFIC NOTEBOOK IN ACCORDANCE WITH: 1. ISRM (1978), SUGGESTED METHODS FOR DETERMINING HARDNESS AND ABRASIVENESS OF ROCKS, "INTERNATIONAL JOURNAL OF ROCK MECHANICS. MINING SCIENCES & GEOMECHANICS ABSTRACTS", 15:89-98, PERGAMON PRESS LTD., GREAT BRITIAN. 2. GORTAN, R. M. AND C. AYDAY (1993), A SUGGESTED IMPROVEMENT TO THE SCHMIDT REBOUND HARDNESS ISRM SUGGESTED METHOD WITH PARTICULAR REFERENCE TO ROCK MACHINEABILITY, "INTERNATIONAL JOURNAL OF ROCK MECHANICS, MINING SCIENCES & GEOMECHANICS ABSTRACTS", 39(3):321-322, PERGAMON PRESS LTD., GREAT BRITIAN.	A Y T
ACQN/DEVL LOCATION : SAIC & JFT AGAPITO				
**SNF29041993002.024	SCHMIDT HAMMER TEST DATA FROM USW NRG-7/7A DRILLHOLE.	03/01/94-04/18/94	SCIENTIFIC NOTEBOOK IN ACCORDANCE WITH: 1. ISRM (1978), SUGGESTED METHODS FOR DETERMINING HARDNESS AND ABRASIVENESS OF ROCKS, INTERNATIONAL JOURNAL OF ROCK MECHANICS. MINING SCIENCES & GEOMECHANICS ABSTRACTS, 15:89-98, PERGAMON PRESS LTD., GREAT BRITIAN. 2. GORTAN, R. M. AND C. AYDAY (1993), A SUGGESTED IMPROVEMENT TO THE SCHMIDT REBOUND HARDNESS ISRM SUGGESTED METHOD WITH PARTICULAR REFERENCE TO ROCK MACHINEABILITY, INTERNATIONAL JOURNAL OF ROCK MECHANICS. MINING SCIENCES & GEOMECHANICS ABSTRACTS, 39(3) :321-322, PERGAMON PRESS LTD., GREAT BRITIAN.	A Y T
ACQN/DEVL LOCATION : J. F. T. AGAPITO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.14.2.3				
*SNF29041993001.002	PERCOLATION TEST DATA, ESF MUCK STORAGE AREA.	12/12/94-12/13/94	STANDARD PERCOLATION TEST PROCEDURES IN ACCORDANCE WITH STATE OF NEVADA ADMINISTRATIVE CODE 444, SECTION 444.796.	A Y C
ACQN/DEVL LOCATION : NEVADA TEST SITE, ESF MUCK STORAGE AREA				
**SNF29041993002.001	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-2. (THIS DATA HAS BEEN SUPERSEDED BY DTN: SNF29041993002.035).	04/01/93-05/06/93	GEOTECHNICAL CORE LOGGING OF UE25 NRG-2. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	A Y C
ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY AND JFT AGAPITO.				
**SNF29041993002.003	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-1. (THIS DATA HAS BEEN SUPERSEDED BY DTN: SNF29041993002.034).	05/01/93-05/30/93	GEOTECHNICAL CORE LOGGING OF UE25 NRG-1. SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURAL LOGS.	A Y C
ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY				
**SNF29041993002.004	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-2A. (THIS DATA HAS BEEN SUPERSEDED BY DTN: SNF29041993002.036).	08/01/93-08/31/93	GEOTECHNICAL CORE LOGGING OF UE25 NRG-2A. SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL CORE LOGGING BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURAL LOGS.	A Y C
ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**SNF29041993002.005	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-3. (THIS DATA HAS BEEN SUPERSEDED BY DTN: SNF29041993002.038).	06/01/93-06/30/93	GEOTECHNICAL CORE LOGGING OF UE25 NRG-3. SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURAL LOGS.	A Y C
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY			
**SNF29041993002.006	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE USW NRG-6. (THIS DATA HAS BEEN SUPERSEDED BY DTN: SNF29041993002.041).	05/01/93-05/30/93	GEOTECHNICAL CORE LOGGING OF USW NRG-6. SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURAL LOGS.	A Y C
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY			
**SNF29041993002.007	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-5. (THIS DATA HAS BEEN SUPERSEDED BY DTN: SNF29041993002.040).	08/01/93-08/30/93	GEOTECHNICAL CORE LOGGING OF UE25 NRG-5. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	A Y C
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY AND JFT AGAPITO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**SNF29041993002.008	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-4. (THIS DATA HAS BEEN SUPERSEDED BY DTN: SNF29041993002.039).	10/01/93-10/29/93	GEOTECHNICAL CORE LOGGING OF UE25 NRG-4. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	A Y C
ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY AND JFT AGAPITO				
**SNF29041993002.012	YUCCA MOUNTAIN SITE CHARACTERIZATION ROCK MASS MECHANICAL PROPERTIES ESTIMATES BOREHOLES NRG-1, -2, -2A, -3, -4, -5, AND USW NRG-6. (THIS DATA HAS BEEN SUPERSEDED BY DATA IDENTIFIED AS DTN: SNF29041993002.031).	11/01/93-12/16/93	BASED ON STRUCTURAL CORE LOGS FOR NRG HOLES AND MECHANICAL LABORATORY TEST RESULTS.	D Y T
ACQN/DEVL LOCATION : J. F. T. AGAPITO				
**SNF29041993002.014	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-2B. (THIS DATA HAS BEEN SUPERSEDED BY DTN: SNF29041993002.037).	01/15/94-02/15/94	GEOLOGIC LOG BY U.S.G.S REFERENCE GS931108314211.041. STRUCTURAL LOG PER SNL SCIENTIFIC NOTEBOOK PROCEDURE.	D Y C
ACQN/DEVL LOCATION : MATERIAL TEST LAB, MERCURY, NV				
**SNF29041993002.015	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE USW NRG-7/7A. (THIS DATA HAS BEEN SUPERSEDED BY DTN: SNF29041993002.042).	01/03/94-03/25/94	GEOTECHNICAL CORE LOGGING OF USW NRG-7/7A. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG-7/7A HOLE. INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	A Y C
ACQN/DEVL LOCATION : J. F. T. AGAPITO AND YMP SAMPLE MANAGEMENT FACILITY				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**SNF29041993002.020	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ROCK MASS QUALITY ESTIMATES FOR TCW, PTN, TSW1, & TSW2 UNITS. (THIS DATA HAS BEEN SUPERSEDED BY DATA IDENTIFIED AS DTN: SNF29041993002.032).	03/15/94-03/26/94	Q AND RMR ESTIMATED USING ROCK STRUCTURAL DATA SUMMARY DEVELOPED FROM STRUCTURAL LOGGING OF CORE NRG-1, -2, -2A, -3, -4, -5, AND -6 DRILLHOLES. OBSERVATION OF ROCK CONDITIONS IN THE NORTH RAMP STARTER TUNNEL AND LABORATORY TEST DATA ON CORE.	D Y T
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			
**SNF29041993002.021	ESF NORTH RAMP YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CROSS SECTION THROUGH EXILE HILL NORTH RAMP 0+00 TO 6+00M. DRAWING NO: 88-60-08, VERSION: QA1.2. THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.013. (THIS DATA HAS SUBSEQUENTLY BEEN SUPERSEDED BY DTN: SNF29041993002.044).	02/01/94-04/06/94	GEOLOGIC INTERPRETATION FROM LITHOLOGIC LOGS, GEOPHYSICAL LOGS, & SURFACE MAPPING.	D Y C
	ACQN/DEVL LOCATION : J. F. T. AGAPITO			
**SNF29041993002.025	ESF NORTH RAMP YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CROSS SECTION ALONG RAMP FROM 0+00 TO 28+00.38M (PT). DRAWING NO: 88-60-09, VERSION: QA1.5 (THIS DATA HAS BEEN SUPERSEDED BY DTN: SNF29041993002.043).	04/01/93-04/19/94	GEOLOGIC INTERPRETATION FROM LITHOLOGIC LOGS, GEOPHYSICAL LOGS & SURFACE MAPPING.	D Y C
	ACQN/DEVL LOCATION : J. F. T. AGAPITO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**SNF29041993002.026	SLTR94-0001: "YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOENGINEERING CHARACTERIZATION OF NONLITHIFIED TUFFS TO BE ENCOUNTERED BY THE NORTH RAMP WEST OF THE BOW RIDGE FAULT" REV. 7	12/15/93-06/15/94	THIS REPORT PRESENTS THE RESULTS OF GEOLOGICAL AND GEOTECHNICAL CHARACTERIZATION OF NONLITHIFIED TUFF MATERIALS THAT WILL BE ENCOUNTERED BY THE TUNNEL BORING MACHINE.	D Y P
	ACQN/DEVL LOCATION : SNL, JFTA, UNR, GEOMATRIX, & RSN MTL			
**SNF29041993002.028	GEOTECHNICAL ENGINEERING INVESTIGATION FOR THE PROPOSED WATER STORAGE TANKS AT THE BOOSTER PUMP STATION AND NORTH PORTAL ON EXILE HILL.	10/14/94-10/18/94	ASTM D-1196-93: "STANDARD TEST METHOD FOR NONREPETITIVE STATIC PLATE LOAD TESTS OF SOILS AND FLEXIBLE PAVEMENT COMPONENTS, FOR USE IN EVALUATION AND DESIGN OF AIRPORT & HIGHWAY PAVEMENT; ASTM D-1585-84: "PENETRATION TESTS & SPLIT BARREL SAMPLING OF SOILS"	A Y C
	ACQN/DEVL LOCATION : RAYTHEON SERVICES NEVADA & SNL			
*SNF29041993002.029	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOIL TEST DATA FOR PRE-RANIER MESA AND RANIER MESA TUFFS. (THIS DATA IS IN APPENDIX C, OF SLTR94-0001, "SOILS LABORATORY AND IN SITU TEST DATA", ISSUED 10/04/94).	09/15/93-04/20/94	THE FOLLOWING STANDARD TESTING METHODS WERE USED TO PERFORM SOIL CHARACTERIZATION AND STRENGTH TESTS: ASTM C-2216-90, ASTM D-2216-93, AND ASTM C-566-89 (MOISTURE CONTENT); ASTM C-136-84A, ASTM D-422-63, AND ASTM D-422-90 (SIEVE ANALYSIS); ASTM D-1140-54, ASTM D-1140-90, AND ASTM D-1140-92 (PASSING #200); ASTM D-2434-68 (REAPPROVED 1974) (SOIL PERMEABILITY TO MERCURY TAP WATER); ASTM D-1196-87 (BEARING CAPACITY OF SOIL FOR STATIC LOAD); ASTM D-2922-91 AND ASTM D-3017-88 (NUCLEAR DENSITY); AND ASTM D-1188-89 (BULK DENSITY OF ROCK); ASTM D-1556-90 (SAND CONE DENSITY); ASTM 1452-90, ASTM 1586-84, AND ASTM 2488-90 (LOG OF BORING-PENETRATION TEST); ASTM D-854-91 AND ASTM C-127/C-128-88 (SPECIFIC GRAVITY)	A Y P
	ACQN/DEVL LOCATION : NTS/AREA 25/NRT-1 TRENCH; MATERIAL TEST LABORATORY - MERCURY, NV			

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	D Q A U L T A O C A L C I A T I O N P E R F O R M E D N
*SNF29041993002.030	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT RANK-ORDERED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA HOLES UE25 NRG-1, NRG-2, NRG-2A, NRG-2B, NRG-3, NRG-4, NRG-5; USW NRG-6, AND NRG-7/7A (REVISION 0). THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.011. ACQN/DEVL LOCATION : J.F.T. AGAPITO	11/01/93-11/23/94	RMR CALCULATED USING ROCK STRUCTURAL DATA SUMMARIES DEVELOPED FROM STRUCTURAL LOGGING OF CORE (TDIF NO'S. 302241, 303136, & 303146), OBSERVATIONS OF ROCK CONDITIONS IN THE NORTH RAMP STARTER TUNNEL AND LABORATORY TEST DATA ON CORE.	D Y T
*SNF29041993002.031	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ROCK MASS MECHANICAL PROPERTIES ESTIMATES FOR BOREHOLES UE25 NRG-1, NRG-2, NRG-2A, NRG-3, NRG-4, NRG-5; USW NRG-6, AND NRG-7/7A (REVISION 2). THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.012. ACQN/DEVL LOCATION : J.F.T. AGAPITO	11/01/93-11/23/94	BASED ON ROCK MASS QUALITY INDICES FOR NRG HOLES, MECHANICAL LABORATORY TEST RESULTS, AND SCHMIDT HAMMER DATA.	D Y T
*SNF29041993002.032	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT RANK-ORDERED ROCK MASS QUALITY INDICES FOR TCW, PTN, TSW1, TSW2, AND UO (TUFF "X") UNITS. THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.020. ACQN/DEVL LOCATION : J.F.T. AGAPITO	03/15/94-11/01/94	Q AND RMR CALCULATED USING ROCK STRUCTURAL DATA SUMMARY DEVELOPED FROM STRUCTURAL LOGGING OF CORE FROM UE25 NRG-1, NRG-2, NRG-2A, NRG-2B, NRG-3, NRG-4, NRG-5; USW NRG-6, AND NRG-7/7A DRILLHOLES. OBSERVATION OF ROCK CONDITIONS IN THE NORTH RAMP STARTER TUNNEL AND LABORATORY TEST DATA ON CORE.	D Y T

SITE CHARACTERIZATION PLAN BASELINE

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*SNF29041993002.033	"TS MAIN DRIFT YUCCA MOUNTIAN SITE CHARACTERIZATION PROJECT CROSS SECTION ALONG DRIFT FROM 28+.04.76M (PT) TO 59+36.89 (PC). DRAWING NO: 88-333-01, VERSION: QA1, 12/14/94. ACQN/DEVL LOCATION : J. F. T. AGAPITO	09/01/94-12/14/94	GEOLOGIC INTERPRETATION FROM DATA BASED ON THE GRAPHICAL LITHOLOGIC LOGS FOR BORHOLES USW SD-9 & USW SD-12.	D Y C
*SNF29041993002.034	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-1, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.003) ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY	05/01/93-10/04/94	GEOTECHNICAL CORE LOGGING OF UE25 NRG-1. SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURAL LOGS.	A Y C
*SNF29041993002.035	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-2, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.001) ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY	04/01/93-10/10/94	GEOTECHNICAL CORE LOGGING OF UE25 NRG-2. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	A Y C
*SNF29041993002.036	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-2A, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.004) ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY	08/01/93-10/11/94	GEOTECHNICAL CORE LOGGING OF UE25 NRG-2A. SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL CORE LOGGING BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURAL LOGS.	A Y C

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*SNF29041993002.037	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-2B, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.014)	01/15/94-10/11/94	GEOLOGIC LOG BY USGS, REFERENCE DTN: GS931108314211.041. STRUCTURAL LOG PER SNL SCIENTIFIC NOTEBOOK PROCEDURE.	D Y C
	ACQN/DEVL LOCATION : MATERIAL TEST LAB, MERCURY, NEVADA			
*SNF29041993002.038	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE FOR DRILLHOLE UE25 NRG-3, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.005)	06/01/93-10/11/94	GEOTECHNICAL CORE LOGGING OF UE25 NRG-3. SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURAL LOGS.	A Y C
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY			
*SNF29041993002.039	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-4, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.008)	10/01/93-10/13/94	GEOTECHNICAL CORE LOGGING OF UE25 NRG-4. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	A Y C
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY			
*SNF29041993002.040	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-5, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.007)	08/01/93-10/20/94	GEOTECHNICAL CORE LOGGING OF UE25 NRG-5. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	A Y C
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*SNF29041993002.041	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE USW NRG-6, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.006)	05/01/93-10/20/94	GEOTECHNICAL CORE LOGGING OF USW NRG-6. SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURAL LOGS.	A Y C
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY			
*SNF29041993002.042	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE USW NRG-7/7A, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.015)	01/03/94-12/14/94	GEOTECHNICAL CORE LOGGING OF USW NRG-7/7A. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG-7/7A HOLE. INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	A Y C
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY			
*SNF29041993002.043	ESF NORTH RAMP YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CROSS SECTION ALONG RAMP FROM 0+00 TO 28+00.38M (PT). DRAWING NO: 88-60-09, VERSION: QA1.7 (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.025)	04/01/93-12/30/94	GEOLOGIC INTERPRETATION FROM LITHOLOGIC LOGS, GEOPHYSICAL LOGS AND SURFACE MAPPING.	D Y C
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			
*SNF29041993002.044	ESF NORTH RAMP YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CROSS SECTION THROUGH EXILE HILL NORTH RAMP 0+00 TO 6+00M. DRAWING NO: 88-60-08, VERSION: QA1.5 (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.021)	02/01/94-12/30/94	GEOLOGIC INTERPRETATION FROM LITHOLOGIC LOGS, GEOPHYSICAL LOGS, AND SURFACE MAPPING.	D Y C
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*SNF29041993002.045	SEISMIC RESEARCH FOR EXILE HILL, NYE COUNTY, NEVADA.	12/02/93-12/09/93	A COMMON DEPTH POINT SEISMIC SURVEY WAS CONDUCTED USING A SLEDGE HAMMER SOURCE. THE PROCEDURE FOR THIS IS OUTLINED IN THE SCIENTIFIC NOTEBOOK.	A N C
	ACQN/DEVL LOCATION : WEST SIDE OF EXILE HILL, NYE COUNTY, NV			
*SNF29041993002.046	ESF NORTH RAMP YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CROSS SECTION THROUGH EXILE HILL, ALTERNATIVE INTERPRETATION OF EXILE HILL GEOLOGY, DRAWING NO: SLTREXS2, VERSION: 0, 12/10/93.	12/02/93-12/10/93	MODIFICATION OF EXISTING GEOLOGIC INTERPRETATION BASED ON SEISMIC REFLECTION DATA OF GREGORY J. ELBRING (1994).	D N C
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			
*SNF29041993002.047	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON REVISION 2 FOR CORE LOG DATA HOLES UE25 NRG-1, -2A, -3, AND -5; AND REVISION 3 FOR UE25 NRG-2, -2B, -4; AND USW NRG-6 AND 7/7A. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN'S: SNF29041993002.011, SNF29041993002.017, AND SNF29041993002.019)	11/01/93-02/13/95	THE Q AND RMR WERE ESTIMATED USING ROCK STRUCTURAL DATA SUMMARIES DEVELOPED FROM STRUCTURAL LOGGING OF CORE, OBSERVATIONS OF ROCK CONDITIONS IN THE NORTH RAMP STARTER TUNNEL AND LABORATORY TEST DATA ON CORE.	D Y C
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*SNF29041993002.048	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CORE HOLE ROCK STRUCTURAL DATA SUMMARIES FOR BOREHOLES UE25 NRG-1, -2, -2A, -2B, -3, -4, -5; AND USW NRG-6 & 7/7A, REVISION 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.009, SNF29041993002.016, AND SNF29041993002.018, WITH THE EXCEPTION OF THE DATA FOR BOREHOLE RF #8, WHICH WAS USED FOR CORROBORATING PURPOSES ONLY).	11/01/93-02/04/95	GEOTECHNICAL CORE LOGGING OF UE25 NRG-1, -2, -2A, -2B, -3, -4, -5; USW NRG-6 & 7/7A. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES, AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	D Y P
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			
*SNF29041993002.049	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ROCK MASS MECHANICAL PROPERTIES ESTIMATES FOR BOREHOLES UE25 NRG-1, -2, -2A, -3, -4, -5; USW NRG-6 & 7/7A, REVISION 3. (THIS DATA SUPERSEDES THE VALUES FOR THE PTN THERMOMECHANICAL UNITS ONLY IN THE DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.031. ALL OTHER THERMOMECHANICAL UNIT VALUES IN THE PREVIOUS DATA REMAIN THE SAME).	11/01/93-02/10/95	BASED ON ROCK MASS QUALITY INDICES FOR NRG HOLES, AND ROCK MECHANICS LABORATORY TEST RESULTS.	D Y P
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			
*SNF29041993002.050	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT RANK-ORDERED ROCK MASS QUALITY INDICES FOR PTN UNITS, REVISION 1. (THIS DATA SUPERSEDES THE VALUES FOR THE PTN THERMOMECHANICAL UNITS ONLY IN THE DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.032. ALL OTHER THERMOMECHANICAL UNIT VALUES REMAIN THE SAME).	03/15/94-02/10/95	THE Q AND RMR WERE CALCULATED USING ROCK STRUCTURAL DATA SUMMARIES DEVELOPED FROM STRUCTURAL LOGGING OF CORE FROM UE25 NRG-1, -2, -2A, -2B, -3, -4, -5; AND USW NRG-6 AND 7/7A DRILLHOLES; OBSERVATION OF ROCK CONDITIONS IN THE NORTH RAMP STARTER TUNNEL; AND LABORATORY TEST DATA ON CORE.	D Y P
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	D Q A U L T A O A L C I A T F T Y I I P E O E D N
*SNF29041993002.051	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR HOLE USW SD-9, 700-850 FT, REV.0	11/01/94-02/22/95	GEOTECHNICAL CORE LOGGING OF USW SD-9. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM SD-9 HOLE. INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON M&O ROCK STRUCTURE LOGS.	A Y P
	ACQN/DEVL LOCATION : J.F.T.AGAPITO AND YMP SAMPLE MANAGEMENT FACILITY			
*SNF29041993002.052	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CORE HOLE ROCK STRUCTURAL DATA SUMMARY FOR HOLE USW SD-9, REV. 0	01/01/95-02/22/95	GEOTECHNICAL CORE LOGGING OF USW SD-9. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM SD-9 HOLE. INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON M&O ROCK STRUCTURE LOGS.	D Y P
	ACQN/DEVL LOCATION : J.F.T AGAPITO			
*SNF29041993002.053	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA FOR HOLE USW SD-9, MIDDLE NONLITHOPHYSAL ZONE, REV.0	01/01/95-02/22/95	Q AND RMR ESTIMATED USING ROCK STRUCTURAL DATA SUMMARIES DEVELOPED FROM STRUCTURAL LOGGING OF THE CORE USW SD-9 DRILL HOLE. OBSERVATIONS OF ROCK CONDITIONS IN THE NORTH RAMP STARTER TUNNEL AND LABORATORY TESTING DATA ON CORE.	D Y P
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			

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*SNF29041993002.054	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE USW SD-12, 650-800 FT, REV.0.	11/01/94-02/22/95	GEOTECHNICAL CORE LOGGING OF USW SD-12. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM SD-12 HOLE. INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON M&O ROCK STRUCTURE LOGS.	A Y P
	ACQN/DEVL LOCATION : J.F.T. AGAPITO AND YMP SAMPLE MANAGEMENT FACILITY			
*SNF29041993002.055	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CORE HOLE ROCK STRUCTURAL DATA SUMMARY FOR HOLE USW SD-12, REV. 0.	01/01/95-02/22/95	GEOTECHNICAL CORE LOGGING OF USW SD-12. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOKS FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM SD-12 HOLE. INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON M&O ROCK STRUCTURE LOGS.	D Y P
	ACQN/DEVL LOCATION : J.F.T AGAPITO			
*SNF29041993002.056	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA FOR HOLE USW SD-12, MIDDLE NONLITHOPHYSAL ZONE, REV 0.	01/01/95-02/22/95	Q AND RMR ESTIMATED USING ROCK STRUCTURAL DATA SUMMARY DEVELOPED FROM STRUCTURAL LOGGING OF CORE USW SD-12 DRILLHOLE. OBSERVATIONS OF ROCK CONDITIONS IN THE NORTH RAMP STARTER TUNNEL AND LABORATORY TEST DATA ON CORE.	D Y P
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			

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*SNF29041993002.057	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ROCK MASS MECHANICAL PROPERTIES ESTIMATES FOR TOPOPAH SPRING, MIDDLE NONLITHOPHYSAL ZONE (BASED ON ESTIMATES FOR USW NRG-6 & 7/7A, SD-9 & SD-12), REV 0.	02/01/95-02/28/95	BASED ON ROCK MASS QUALITY INDICES FOR NRG-6, NRG-7/7A, SD-9 & SD-12, AND ROCK MECHANICS LABORATORY TEST RESULTS.	D Y P
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			
*SNF29041993002.058	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT RANK-ORDERED ROCK MASS QUALITY INDICES Q AND RQD FOR BOREHOLES NRG-6, NRG-7/7A, SD-9 AND SD-12, REV. 0.	02/01/95-02/28/95	THE Q AND RQD WERE CALCULATED USING ROCK STRUCTURAL DATA SUMMARIES DEVELOPED FROM STRUCTURAL LOGGING OF CORE FROM USW NRG-6, NRG-7/7A, SD-9 AND SD-12 DRILLHOLES; OBSERVATION OF ROCK CONDITIONS IN THE NORTH RAMP STARTER TUNNEL; AND LABORATORY TEST DATA ON CORE.	D Y P
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			
Activity - 8.3.1.15.1.3.1				
*SNL02030193001.021	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, DRY BULK DENSITY & POROSITY) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 345.0 FT. TO 1408.6 FT.	08/23/94-01/25/95	ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK," ISRM "SUGGESTED METHODS FOR DETERMINING THE STRENGTH OF ROCK MATERIALS IN TRIAXIAL COMPRESSION: REVISED VERSION 1983, "AND ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	A Y P
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT			

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*SNL02030193001.022	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, DRY BULK DENSITY & POROSITY) FOR DRILL HOLE USW NRG-6 SAMPLES FROM DEPTH 5.7 FT. TO 1092.3 FT.	08/23/94-02/23/95	ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK," ISRM "SUGGESTED METHODS FOR DETERMINING THE STRENGTH OF ROCK IN TRIAXIAL COMPRESSION: REVISED VERSION 1983," AND ASTM STM "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	A Y P
ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT				
Activity - 8.3.1.15.1.3.2				
*SNL02030193001.021	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, DRY BULK DENSITY & POROSITY) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 345.0 FT. TO 1408.6 FT.	08/23/94-01/25/95	ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK," ISRM "SUGGESTED METHODS FOR DETERMINING THE STRENGTH OF ROCK MATERIALS IN TRIAXIAL COMPRESSION: REVISED VERSION 1983," AND ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	A Y P
ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT				
*SNL02030193001.022	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, DRY BULK DENSITY & POROSITY) FOR DRILL HOLE USW NRG-6 SAMPLES FROM DEPTH 5.7 FT. TO 1092.3 FT.	08/23/94-02/23/95	ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK," ISRM "SUGGESTED METHODS FOR DETERMINING THE STRENGTH OF ROCK IN TRIAXIAL COMPRESSION: REVISED VERSION 1983," AND ASTM STM "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	A Y P
ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.15.1.4.2				
*SNL02112293001.002	RESULTS FROM SHEAR STRESS EXPERIMENTS ON NATURAL FRACTURES FROM NRG-7.	08/01/94-03/03/95	SCIENTIFIC NOTEBOOK FOR NRG FRACTURE TESTS.	A Y P
	ACQN/DEVL LOCATION : SANDIA NATIONAL LABORATORIES, ALBUQUERQUE, NM			
*SNL02112293001.003	RESULTS FROM SHEAR STRESS EXPERIMENTS ON NATURAL FRACTURES FROM NRG-4 & NRG-6.	08/11/94-02/01/95	SCIENTIFIC NOTEBOOK FOR NRG FRACTURE TESTS.	A Y P
	ACQN/DEVL LOCATION : SANDIA NATIONAL LABORATORIES, ALBUQUERQUE, NM			
Activity - 8.3.1.15.2.2.1				
*GS950108314212.001	MAJOR RESULTS OF REGIONAL GEOPHYSICAL INVESTIGATIONS AT YUCCA MOUNTAIN AND VICINITY, NEVADA, H.W. OLIVER, D.A. PONCE, AND W.C. HUNTER, EDITORS	08/01/87-12/30/94	DESCRIPTION OF INVESTIGATIONS FOCUSING ON GRAVITY, MAGNETIC, MAGNETOTELLURIC, SEISMIC REFRACTION, SEISMIC REFLECTION AND TELESEISMIC STUDIES. THE GEOLOGIC AND REGIONAL THERMAL SETTINGS AS WELL AS STRESS MEASUREMENTS ARE INCLUDED.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.16.1.1.1				
**GS900983116111.002	PROBABLE MAXIMUM FLOOD STUDY - 1986, BY U.S. BUREAU OF RECLAMATION.	01/01/83-12/31/86	USGS STANDARD COLLECTION METHODS.	D N T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.17.3.1.2				
**GS940883117312.002	THERMOLUMINESCENCE DATA FOR SAMPLES ASSIGNED LAB NUMBERS OF TL-01 THROUGH TL-21, OBTAINED APRIL '93 TO MAY '94.	04/12/93-05/20/94	USGS TECHNICAL PROCEDURE GCP-29,R0, THERMOLUMINESCENCE DATING	A Y T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS940983117312.003	X-RAY FLUORESCENCE ELEMENTAL COMPOSITIONS (9/16/94) IN SUPPORT OF THERMOLUMINESCENCE DATING.	09/16/94-09/16/94	USGS TECHNICAL PROCEDURE GCP-25,R0, DETERMINATION OF CHEMICAL COMPOSITION BY ENERGY DISPERSIVE X-RAY FLUORESCENCE SPECTROMETRY.	A Y T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.17.4.1.1				
**GS900983117411.004	HISTORICAL CATALOG OF SOUTHERN GREAT BASIN EARTHQUAKES 1868-1978, BY MARK E. MEREMONTE AND ALBERT M. ROGERS.	01/01/87-01/01/88	USGS STANDARD COLLECTION METHODS.	D N T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS950283117411.001	HISTORICAL SEISMICITY OF THE SOUTHERN GREAT BASIN, BY S.J. GROSS AND S. JAUME, AND ACCOMPANYING DIGITAL FILES OF EARTHQUAKE CATALOGS AND INTENSITY DATA	03/01/94-01/31/95	THIS REPORT IS BASED ON A REVIEW OF SEISMIC EVENT DATA AND INFORMATION IN PUBLISHED PAPERS AND REPORTS AND IN HISTORICAL ARCHIVES SUCH AS NEWSPAPERS. AVAILABLE DATA WAS REPROCESSED AND MERGED IN MANY CASES. INTENSITIES WERE DETERMINED USING THE MODIFIED MERCALLI SCALE.	D N P
	ACQN/DEVL LOCATION : UNIVERSITY OF NEVADA, RENO, SEISMOLOGICAL LABORATORY			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.1.2				
**GS910183117412.009	EARTHQUAKE DATA - DECEMBER 7-11, 15-19 AND 25-29, 1990, AND DECEMBER 31, 1990 - JANUARY 22, 1991. DEVELOCORDER FILM.	12/07/90-12/11/90 12/15/90-12/19/90 12/25/90-12/29/90 12/31/90-01/22/91	SP-11, R2, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY	A Y P
ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SEISMIC NETWORK				
**GS910283117412.006	EARTHQUAKE DEVELOCORDER FILMS. DECEMBER 11-DECEMBER 15, 1990, DECEMBER 19-DECEMBER 25, 1990, DECEMBER 29-DECEMBER 31, 1990, JANUARY 22-JANUARY 28, 1991, FEBRUARY 1-FEBRUARY 3, 1991, AND FEBRUARY 5 - FEBRUARY 13, 1991.	12/11/90-12/15/90 12/19/90-12/25/90 12/29/90-12/31/90 01/22/91-01/28/91 02/01/91-02/03/91 02/05/91-02/13/91	SP-11,R2, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY	A Y P
ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SEISMIC NETWORK				
**GS910383117412.011	EARTHQUAKE DEVELOCORDER FILMS. DATES: JANUARY 28 - FEBRUARY 1, FEBRUARY 3 - 5, FEBRUARY 13 - MARCH 7, AND MARCH 25 - 29, 1991	01/28/91-02/01/91 02/03/91-02/05/91 02/13/91-03/07/91 03/25/91-03/29/91	SP-11,R2, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY	A Y P
ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SEISMIC NETWORK				
**GS910483117412.014	42 EARTHQUAKE DEVELOCORDER FILMS. DATES: 03/29/91 - 04/26/91	03/29/91-04/26/91	SP-11,R2, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY	A Y P
ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SEISMIC NETWORK				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS910583117412.026	546 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/81-1/1/82. ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/02/81-01/01/82	TELEMETERED SEISMIC ARRAY	A N P
**GS910583117412.027	549 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/1/82-1/2/83. ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/01/82-01/02/83	TELEMETERED SEISMIC ARRAY	A N P
**GS910583117412.028	546 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/83-1/1/84. ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/02/83-01/01/84	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
**GS910583117412.029	545 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/1/84-1/1/85. ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/01/84-01/01/85	TELEMETERED SEISMIC ARRAY	A N P
**GS910583117412.030	545 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/1/85-1/2/86. ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/01/85-01/02/86	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
**GS910583117412.031	521 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/86-1/1/87. ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/02/86-01/01/87	TELEMETERED SEISMIC ARRAY	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	D A U L T A O A L C I A T F T Y I I P E O E D N
**GS910583117412.032	739 EARTHQUAKE DEVELOCORDER FILMS: DATES 1/1/87-5/27/88 ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/01/87-05/27/88	TELEMETERED SEISMIC ARRAY	A N C
**GS910583117412.033	513 EARTHQUAKE DEVELOCORDER FILMS: DATES 5/27/88-5/4/89 ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SEISMIC NETWORK	05/27/88-05/04/89	SP-11,R0, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY	A N C
**GS910583117412.035	504 EARTHQUAKE DEVELOCORDER FILMS: DATES 1/1/90-12/3/90 ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SEISMIC NETWORK	01/01/90-12/03/90	SP-11,R1 AND R2, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY	A Y C
**GS910583117412.036	EARTHQUAKE DEVELOCORDER FILMS. DATES: MAY 2, 1991 - MAY 14, 1991 (18 BOXES). ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SEISMIC NETWORK	05/02/91-05/14/91	SP-11,R2, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY	A Y P
**GS911183117412.054	EARTHQUAKE DEVELOCORDER FILM OF THE SOUTHERN GREAT BASIN FOR THE DATES OCTOBER 25 THROUGH NOVEMBER 16, 1991. ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	10/25/91-11/16/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P

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**GS920383117412.007	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: MAY 14-16, 1991 AND MAY 30 - JUNE 1, 1991. ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	05/14/91-05/16/91 05/30/91-06/01/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
**GS920383117412.008	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: JUNE 11 - 13, 1991 AND JUNE 27 - JULY 1, 1991 ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	06/11/91-06/13/91 06/27/91-07/01/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
**GS920783117412.021	EARTHQUAKE DEVELOCORDER FILMS AND SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR EARTHQUAKES RECORDED BETWEEN JAN. 1, 1991, AND DEC. 31, 1991 - "SELECTED DATA" ONLY ACQN/DEVL LOCATION : USGS, DENVER, CO	02/01/92-06/01/92	EARTHQUAKE DATA FROM 1991 WERE SELECTED OUT FROM DATA SEGMENTS COVERING A COMBINATION OF 1990-1991 OR 1991-1992 EARTHQUAKE DATA.	D Y P
**GS920783117412.025	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: JUNE 19-25, JUNE 27-29, 1992 ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	06/19/92-06/29/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y C
**GS920983117412.030	EARTHQUAKE DEVELOCORDER FILM OF THE SOUTHERN GREAT BASIN DATED FROM JULY 17, 1992 TO SEPTEMBER 3, 1992. ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SEISMIC NETWORK	07/17/92-09/03/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS931083117412.003	PRELIMINARY SEISMICITY AND FOCAL MECHANISMS FOR THE SOUTHERN GREAT BASIN OF NEVADA AND CALIFORNIA: JANUARY 1992 THROUGH SEPTEMBER 1992, BY S.C. HARMSSEN ACQN/DEVL LOCATION : USGS BELH, GOLDEN, CO	05/01/93-10/13/93	REDUCTION OF SEISMOGRAMS OBTAINED FROM THE D Y C SGBSN USING COMPUTER MODEL HYPO71.	
**GS940183117412.001	SEISMIC EVENT WAVEFORMS FOR THE SOUTHERN GREAT BASIN SEISMIC NETWORK: OCTOBER 1, 1992, TO DECEMBER 31, 1992. ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SEISMIC NETWORK	10/01/92-12/31/92	PERMANENT NETWORK OF 62 SEISMIC STATIONS WERE RECORDED AT UNRSL USING CUSP RT(GSP0009.01) NWM-USGS SP-11,R3, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY AND ANALYZED USING TECHNICAL PROCEDURES: NWM-USGS SP-01,R5, EARTHQUAKE LOCATION PROCEDURE, NWM-USGS-SP-04,R3, EARTHQUAKE MAGNITUDE DETERMINATION PROCEDURE.	A Y C
**GS941083117412.008	1993 ROCK VALLEY EARTHQUAKE SEQUENCE: SOUTHERN NEVADA TEST SITE, 5/15/93-9/1/93 ACQN/DEVL LOCATION : 34 45.64'N 116 02.69'W 36 43.37'N 116 07.72'W	05/15/93-09/01/93	SN-0047, ROCK VALLEY EARTHQUAKES	A Y C
*GS950183117412.001	SEISMICITY OF THE SOUTHERN GREAT BASIN OF NEVADA AND CALIFORNIA IN 1993, BY D.H. VON SEGGERN AND D. DE POLO ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SEISMIC NETWORK	01/01/93-12/31/93	PERMANENT NETWORK OF 62 SEISMIC STATIONS WERE RECORDED AT UNRSL USING CUSP RT (GSP0009.01) AND ANALYZED USING TECHNICAL PROCEDURES: NWM-USGS SP-01,R5 - PRELIMINARY EARTHQUAKE LOCATION PROCEDURE, NWM-USGS SP-04,R3 - PRELIMINARY EARTHQUAKE MAGNITUDE DETERMINATION PROCEDURE, NWM-USGS SP-11,R2 AND R3 - OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY	D Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS950383117412.002	SEISMIC EVENT WAVEFORMS AND DATA READINGS FOR THE SOUTHERN GREAT BASIN SEISMIC NETWORK JANUARY 1, 1994, TO DECEMBER 31, 1994.	01/01/94-12/31/94	DATA WERE COLLECTED FROM A PERMANENT NETWORK OF 62 SEISMIC STATIONS AND RECORDED AT UNRSL USING THE FOLLOWING NWM-USGS TECHNICAL PROCEDURES: SP-01,R5, PRELIMINARY EARTHQUAKE LOCATION PROCEDURE; SP-04,R3, PRELIMINARY EARTHQUAKE MAGNITUDE DETERMINATION PROCEDURE; AND SP-11,R2 AND R3, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY.	A Y P
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SEISMIC NETWORK UNIVERSITY OF NEVADA-RENO SEISMOLOGICAL LABORATORY, RENO, NV			
*GS950383117412.003	SEISMICITY OF THE SOUTHERN GREAT BASIN OF NEVADA AND CALIFORNIA IN 1994, BY D.H. VON SEGGERN, D. DEPOLO, AND K. SMITH.	01/01/94-03/31/95	DATA FROM A PERMANENT NETWORK OF 62 SEIMIC STATIONS WERE PROCESSED AT AND ANALYZED AT UNRSL USING THE FOLLOWING NWM-USGS TECHNICAL PROCEDURES: SP-01,R5, PRELIMINARY EARTHQUAKE LOCATION PROCEDURE, AND SP-04,R3, PRELIMINARY EARTHQUAKE MAGNITUDE DETERMINATION PROCEDURE.	D Y P
	ACQN/DEVL LOCATION : UNIVERSITY NEVADA-RENO SEISMOLOGICAL LABORATORY, RENO, NEVADA			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
Activity - 8.3.1.17.4.2.1			
**GS930883117421.002	QUATERNARY DEPOSITS SUBSURFACE SOIL DATA FROM SOIL PITS MWV-P1 THROUGH MWV-P7, MWV-P12 THROUGH MWV-P17, MWV-P22 THROUGH MWV-P26, MWV-P28 THROUGH MWV-P33 AND MWV-P37 THROUGH MWV-P40 AT MIDWAY VALLEY.	04/05/92-11/18/93	PROCEDURE GP-17,R1, DESCRIBING AND SAMPLING SOILS IN THE FIELD.

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ACQN/DEVL LOCATION : MWV-P1
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 MWV-P14
 MWV-P15
 MWV-P16
 MWV-P17
 MWV-P2
 MWV-P22
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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS940783117421.001	QUATERNARY DEPOSITS SUBSURFACE SOIL DATA FROM MIDWAY VALLEY SOIL PITS MWV-P9, MWV-P19, MWV-P20, AND MWV-P21 (COLLECTED BY S. LUNDSTROM)	08/09/93-08/12/93	GP-17,R1 DESCRIBING AND SAMPLING SOILS IN THE FIELD	A Y C
	ACQN/DEVL LOCATION : MWV-P19 MWV-P20 MWV-P21 MWV-P9			
Activity - 8.3.1.17.4.3				
**GS940783117462.004	PROFILE DATA ON SCARP MORPHOLOGY FROM STUDY OF TRENCHES AND EXPOSURES, 11/93 - 5/94	11/16/93-05/04/94	GP-52,R0, TOPOGRAPHIC PROFILING OF GEOMORPHIC FEATURES - FIELD MEASUREMENTS	A Y C
	ACQN/DEVL LOCATION : A1 BBW-E1 BBW-E2 MWV-T3 MWV-T4 SCR-T1 SCR-T2 SCR-T3 T-14D T4			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.3.4				
**GS940683117434.002	BARE MOUNTAIN FAULT SCARP PROFILE DATA, 10/24/93 - 10/29/93	10/24/93-10/29/93	TECHNICAL PROCEDURE NWM-USGS GP-52,R0, TOPOGRAPHIC PROFILING OF GEOMORPHIC FEATURES - FIELD MEASUREMENTS. PROFILES WERE MEASURED USING THE TRIGONOMETRIC LEVELING OR TRIANGULATION METHOD. COMPUTER PRINT-OUTS WERE PRODUCED USING NON-SES-BASED SOFTWARE CALLED GRAPHER V4.5E.	A Y T
	ACQN/DEVL LOCATION : BMT-1 BMT-3 BMTP-9			
Activity - 8.3.1.17.4.4				
**GS940783117462.004	PROFILE DATA ON SCARP MORPHOLOGY FROM STUDY OF TRENCHES AND EXPOSURES, 11/93 - 5/94	11/16/93-05/04/94	GP-52,R0, TOPOGRAPHIC PROFILING OF GEOMORPHIC FEATURES - FIELD MEASUREMENTS	A Y C
	ACQN/DEVL LOCATION : A1 BBW-E1 BBW-E2 MWV-T3 MWV-T4 SCR-T1 SCR-T2 SCR-T3 T-14D T4			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.6.1				
**GS940783117462.004	PROFILE DATA ON SCARP MORPHOLOGY FROM STUDY OF TRENCHES AND EXPOSURES, 11/93 - 5/94	11/16/93-05/04/94	GP-52,R0, TOPOGRAPHIC PROFILING OF GEOMORPHIC FEATURES - FIELD MEASUREMENTS	A Y C
	ACQN/DEVL LOCATION : A1 BBW-E1 BBW-E2 MWV-T3 MWV-T4 SCR-T1 SCR-T2 SCR-T3 T-14D T4			
Activity - 8.3.1.17.4.6.2				
**GS940783117462.004	PROFILE DATA ON SCARP MORPHOLOGY FROM STUDY OF TRENCHES AND EXPOSURES, 11/93 - 5/94	11/16/93-05/04/94	GP-52,R0, TOPOGRAPHIC PROFILING OF GEOMORPHIC FEATURES - FIELD MEASUREMENTS	A Y C
	ACQN/DEVL LOCATION : A1 BBW-E1 BBW-E2 MWV-T3 MWV-T4 SCR-T1 SCR-T2 SCR-T3 T-14D T4			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	D A U L T A O A L C I A T I O N P E O N E D N
*GS950208315142.003	URANIUM AND THORIUM ISOTOPE DATA DETERMINED BY MASS SPECTROMETRY 1/1/94 - 9/1/94 ACQN/DEVL LOCATION : USGS, DENVER, CO Activity - 8.3.1.17.4.7.1	01/01/94-09/01/94	YMP-USGS-GCP-03,R2 AND R3, URANIUM-THORIUM A Y P DISEQUILIBRIUM STUDIES	A Y P
*GS950108314212.001	MAJOR RESULTS OF REGIONAL GEOPHYSICAL INVESTIGATIONS AT YUCCA MOUNTAIN AND VICINITY, NEVADA, H.W. OLIVER, D.A. PONCE, AND W.C. HUNTER, EDITORS ACQN/DEVL LOCATION : USGS, MENLO PARK, CA Activity - 8.3.1.17.4.7.2	08/01/87-12/30/94	DESCRIPTION OF INVESTIGATIONS FOCUSING ON GRAVITY, MAGNETIC, MAGNETOTELLURIC, SEISMIC REFRACTION, SEISMIC REFLECTION AND TELESEISMIC STUDIES. THE GEOLOGIC AND REGIONAL THERMAL SETTINGS AS WELL AS STRESS MEASUREMENTS ARE INCLUDED.	D N P
**GS900983117472.004	PRINCIPAL FACTS OF GRAVITY STATIONS WITH GRAVITY AND MAGNETIC PROFILES FROM THE SOUTHWEST NEVADA TEST SITE, NYE COUNTY, NEVADA, AS OF JANUARY, 1982, BY P.E. JANSMA, D.B. SNYDER, AND D.A. PONCE ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/82-10/22/82	USGS STANDARD COLLECTION METHODS.	D N T
*GS950108314212.001	MAJOR RESULTS OF REGIONAL GEOPHYSICAL INVESTIGATIONS AT YUCCA MOUNTAIN AND VICINITY, NEVADA, H.W. OLIVER, D.A. PONCE, AND W.C. HUNTER, EDITORS ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	08/01/87-12/30/94	DESCRIPTION OF INVESTIGATIONS FOCUSING ON GRAVITY, MAGNETIC, MAGNETOTELLURIC, SEISMIC REFRACTION, SEISMIC REFLECTION AND TELESEISMIC STUDIES. THE GEOLOGIC AND REGIONAL THERMAL SETTINGS AS WELL AS STRESS MEASUREMENTS ARE INCLUDED.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.7.3				
*GS950108314212.001	MAJOR RESULTS OF REGIONAL GEOPHYSICAL INVESTIGATIONS AT YUCCA MOUNTAIN AND VICINITY, NEVADA, H.W. OLIVER, D.A. PONCE, AND W.C. HUNTER, EDITORS	08/01/87-12/30/94	DESCRIPTION OF INVESTIGATIONS FOCUSING ON GRAVITY, MAGNETIC, MAGNETOTELLURIC, SEISMIC REFRACTION, SEISMIC REFLECTION AND TELESEISMIC STUDIES. THE GEOLOGIC AND REGIONAL THERMAL SETTINGS AS WELL AS STRESS MEASUREMENTS ARE INCLUDED.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
Activity - 8.3.1.17.4.8.1				
*GS950108314212.001	MAJOR RESULTS OF REGIONAL GEOPHYSICAL INVESTIGATIONS AT YUCCA MOUNTAIN AND VICINITY, NEVADA, H.W. OLIVER, D.A. PONCE, AND W.C. HUNTER, EDITORS	08/01/87-12/30/94	DESCRIPTION OF INVESTIGATIONS FOCUSING ON GRAVITY, MAGNETIC, MAGNETOTELLURIC, SEISMIC REFRACTION, SEISMIC REFLECTION AND TELESEISMIC STUDIES. THE GEOLOGIC AND REGIONAL THERMAL SETTINGS AS WELL AS STRESS MEASUREMENTS ARE INCLUDED.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
Activity - 8.3.1.17.4.10.1				
**GS930731174101.004	GEODETIC LEVELING AND QUADRILATERAL SURVEYS (GPS OBSERVATIONS) 1990-1991: FINAL DATA ACQUISITION REPORT, BOOK 1, GARY C. PERASSO, P.I. - L.I. NEIFERT, LEVEL OBSERVER	11/30/90-07/31/93	COMPILATION OF HEIGHT DATA, DESCRIPTIONS, NGS ELEVATIONS, AND QUADRILATERALS; ALONG WITH SUMMARY AND STATUS REPORT BY P.I. AND PROJECT REPORT BY LEVEL OBSERVER	D Y P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS950131174101.001	1994 YUCCA MOUNTAIN QUADRILATERAL MEASUREMENTS	05/25/94-05/26/94 11/30/94-11/30/94	TECHNICAL PROCEDURE GP-06,R4, GEODETIC LEVELING AND QUADRILATERAL SURVEYS	A Y P
	ACQN/DEVL LOCATION :			
	FRAN RIDGE NE			
	FRAN RIDGE NW			
	FRAN RIDGE SE			
	FRAN RIDGE SW			
	SOLITARIO NE			
	SOLITARIO NW			
	SOLITARIO SE			
	SOLITARIO SW			
	STAGE NE			
	STAGE NW			
	STAGE SE			
	STAGE SW			
	TRENCH 1 NE			
	TRENCH 1 NW			
	TRENCH 1 SE			
	TRENCH 1 SW			
	TRENCH 14 NE			
	TRENCH 14 NW			
	TRENCH 14 SE			
	TRENCH 14 SW			
	YUCCA RIDGE NE			
	YUCCA RIDGE NW			
	YUCCA RIDGE SE			
	YUCCA RIDGE SW			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.10.2				
**GS931031174102.002	SURVEY OF DEFORMATION OF 50-KM-APERTURE TRILATERATION NETWORK USING A GEODOLITE, CENTERED ON YUCCA MOUNTAIN, 1983-1984.	06/01/83-06/30/83 06/01/84-07/31/84	THE PROCEDURES USED AND THE ACCURACY ATTAINED FOR THESE SURVEYS ARE DESCRIBED IN SAVAGE AND PRESCOTT (1973), PRECISION OF GEODOLITE DISTANCE MEASUREMENTS FOR DETERMINING FAULT MOVEMENTS, J. GEOPHYS. RES., 78, 6001-6008.	A N T
ACQN/DEVL LOCATION : 36 35'00"N 116 45'00"W ;37 10'00"N 116 00'00"W				
*GS950331174102.001	GLOBAL POSITIONING SYSTEM PROFILE: YUCCA MOUNTAIN TO SIERRA NEVADA, J.C. SAVAGE	11/01/94-11/30/94	GPS SURVEY INFORMATION COLLECTED IN ACCORDANCE WITH TECHNICAL PROCEDURE GP-43, R0, GEODETIC TRILATERATION AND GLOBAL POSITIONING SYSTEM (GPS) SURVEYS.	A Y P
ACQN/DEVL LOCATION : 13D 1576 1948 1PDI 6813 BB10 1905 B80 2253 1907 BM 25 1905 BP ARIES 1977 CERRO GORDO 1934 CLAIM 1991 F23 1933 FORK USGS G 165 1933 GGBV 511 3834 G005 HOLDE 1949 JOSHUA RIDGE KENNEDY MEADOWS 3187 L166 1933 M1377 1984 MON 93 OFFSET 1899 1949 P16 RESET 1978 P166 5445 1933 SHOSHONE 19XX STOVEPIPE WELLS 1949 T19SR40ER41ES36S31S186T20 1941 X 1372 1983				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.19.2.2				
*LL950205704242.009	DAILY LOG OF IMBIBITION AND CHARACTERIZATION OF ROCK WAFERS. INCLUDES HYDROLOGICAL PROPERTIES AND IMPEDANCE MEASUREMENTS TO DETERMINE SATURATION.	03/17/93-11/03/93	MEASUREMENTS OF IMBIBITION AND HYDROLOGICAL PROPERTIES OF TOPOPAH SPRING TUFF WAFERS IN LABORATORY TESTS.	A N P
ACQN/DEVL LOCATION : LLNL, LIVERMORE, CA				
Activity - 8.3.1.19.4.1				
*LL950102904244.003	INFORMATION ON THE POROSITY, MOISTURE CONTENT, AND PERMEABILITY OF SAMPLES TAKEN FROM THE LARGE BLOCK TEST.	12/01/93-07/30/94	POROSITY WAS MEASURED BY A MERCURY POROSIMETER. SATURATION AND DRY METHODS WERE USED. MEASURING OF MOISTURE CONTENT USED NEUTRON LOGGING. PERMEABILITY MEASURES USED THE AIR INJECTION STEAD-STATE FLOW METHOD.	A N P
ACQN/DEVL LOCATION : FRAN RIDGE LARGE BLOCK TEST				
*LL950103004244.004	A PROGRESS REPORT FOR THE LARGE BLOCK TEST OF THE COUPLED THERMAL-MECHANICAL-HYDROLOGICAL-CHEMICAL PROCESSES.	12/01/93-07/30/94	THIS REPORT CONTAINS POROSITY MEASURED BY A MERCURY POROSIMETER. SATURATION AND DRY METHODS WERE USED. MEASURING OF MOISTURE CONTENT USED NEUTRON LOGGING. PERMEABILITY MEASURES USED THE AIR INJECTION STEADY-STATE FLOW METHOD.	D N P
ACQN/DEVL LOCATION : FRAN RIDGE LARGE BLOCK TEST				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.3.2.2.3				
**SNL10012694001.002	SUMMARY DATA SHEET: FRAN RIDGE OUTCROP AND FIRE BRICK (THERMAL PROPERTIES) - AVERAGE GRAIN DENSITY TESTS	03/08/94-03/08/94	ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	A Y C
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT			
**SNL10012694001.003	REPORT ON ANALYSIS OF SAMPLE FR-88-62-SNL (SUPPORTING WA-111)	02/08/94-05/17/94	VISUAL EXAMINATION; X-RAY DIFFRACTION (XRD); X-RAY FLUORESCENT TEST	A Y C
	ACQN/DEVL LOCATION : U.N.M., ALBUQUERQUE, NM			
**SNL10012694001.004	BENCH SCALE BACKFILL CONDUCTIVITY TEST (WA-111, REV.00)	06/08/94-07/08/94	MEASUREMENT OF THERMAL CONDUCTIVITY OF GEOLOGIC SAMPLES BY THE GUARDED-HEAT-FLOW-METER METHOD AS PER TP-202; VACUUM SATURATION OF SAMPLES PER TP-064; OVEN-DRYING OF SAMPLES PER TP-200. SATURATION LEVEL IS CALCULATED BY DIVIDING (TEST WEIGHT-DRY WEIGHT) BY (SATURATED WEIGHT-DRY WEIGHT). POROSITY EQUALS (SATURATED WEIGHT-DRY WEIGHT) DIVIDED BY VOLUME.	A Y C
	ACQN/DEVL LOCATION : HOLOMETRIX, BEDFORD, MA			

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.5.9.2.4				
**LL941106305911.000	INFORMATION CONTAINS OXIDATION STUDIES OF CONTAINER MATERIALS FOR HIGH LEVEL NUCLEAR WASTE CONTAINERS.	11/22/93-11/03/94	A COMMERCIAL TGA AND THE INTEGRATED SOFTWARE ASSOCIATED WITH THE TGA ARE BEING USED TO ACQUIRE THE DATA. LLNL SIP-CM-01 AND ACTIVITY E-20-15 ARE BEING FOLLOWED.	A N P
ACQN/DEVL LOCATION : LLNL				
*LL950205305924.001	TWO TABLES AND ONE SPREADSHEET ON THE CORROSION EVALUATION OF COUPONS EXPOSED TO LAKE ROTOKAWA, NEW ZEALAND SPRING WATER.	06/01/94-08/01/94	DONE UNDER LLNL-YMP ACTIVITY E-20-18B. SAMPLE COUPONS OF CANDIDATE MATERIALS WERE EXPOSED TO A NATURALLY EVOLVED AGGRESSIVE ENVIRONMENT FOR SIX WEEKS AND RETURNED TO LLNL FOR EVALUATION.	A N P
ACQN/DEVL LOCATION : LLNL, LIVERMORE, CA.				
Activity - 8.3.5.10.2.1				
*LL950103151021.003	INFORMATION ON THE EFFECT OF FUEL TYPE IN UNSATURATED SPENT FUEL TESTS CONTAINED IN SCIENTIFIC NOTEBOOKS AND SPREADSHEETS.	09/24/92-06/15/94	DEVELOPED UNDER ARGONNE NATIONAL LABORATORY SAMPLE AND RESTART PROCEDURE QA YMP-SF-05-007.	A Y P
ACQN/DEVL LOCATION : ARGONNE NATIONAL LABORATORY				
*LL950103251021.004	EFFECT OF FUEL TYPE IN UNSATURATED SPENT FUEL TESTS.	09/24/92-06/15/94	DEVELOPED UNDER ARGONNE NATIONAL LABORATORY SAMPLE AND RESTART PROCEDURE QA YMP-SF-05-007.	D Y P
ACQN/DEVL LOCATION : ARGONNE NATIONAL LABORATORY				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*LL950205451021.005	RESULTS OF ANALYSIS OF EXPERIMENTAL DATA ON AQUEOUS DISSOLUTION OF SPENT FUEL GATHERED AT PNL.	01/09/92-01/24/95	DONE UNDER LLNL-YMP ACTIVITY D-20-53B. DISSOLUTION WAS MEASURED IN A FLOW THROUGH TEST. SAMPLES AND FLUID WERE ANALYZED TO DETERMINE THE DISSOLUTION.	A Y P
	ACQN/DEVL LOCATION : PACIFIC NORTHWEST LABORATORY			
*LL950205551021.007	COMPARISON OF URANIUM DISSOLUTION RATES FROM SPENT FUEL AND URANIUM DIOXIDE.	12/01/92-12/01/93	DONE UNDER LLNL-YMP ACTIVITY D-20-53B. DISSOLUTION WAS MEASURED IN A FLOW THROUGH TEST. SAMPLES AND FLUID WERE ANALYZED TO DETERMINE THE DISSOLUTION.	D Y P
	ACQN/DEVL LOCATION : PACIFIC NORTHWEST LABORATORY			
*LL950205651021.006	DATA ON DISSOLUTION RATE TESTS WITH UO2.	12/01/92-12/01/93	DONE UNDER LLNL-YMP ACTIVITY D-20-53B. DISSOLUTION WAS MEASURED IN A FLOW THROUGH TEST. SAMPLES AND FLUID WERE ANALYZED TO DETERMINE THE DISSOLUTION.	A Y P
	ACQN/DEVL LOCATION : PACIFIC NORTHWEST LABORATORY			
Activity - 8.3.5.10.2.2				
*LL950103351022.005	INFORMATION ON DRIP TESTS ON SLUDGE-BASED ACTINIDE-DOPED GLASSES CONTAINED IN SCIENTIFIC NOTEBOOKS AND SPREAD SHEETS.	02/13/86-06/20/94	DEVELOPED UNDER ANL NNWSI UNSATURATED TEST PROCEDURE QA NNWSI-05-011.	A Y P
	ACQN/DEVL LOCATION : ARGONNE NATIONAL LABORATORY			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
*LL950103451022.006	RESULTS OF DRIP TESTS ON SLUDGE-BASED ACTINIDE-DOPED GLASSES	02/03/86-06/20/94	DEVELOPED UNDER ANL NNWSI UNSATURATED TEST D Y P PROCEDURE QA NNWSI-05-011.
	ACQN/DEVL LOCATION : ARGONNE NATIONAL LABORATORY		

SITE CHARACTERIZATION PLAN BASELINE - PROTOTYPE

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS930312331210.001	PORE-WATER EXTRACTION FROM UNSATURATED TUFF BY TRIAXIAL AND ONE-DIMENSIONAL COMPRESSION METHODS, NEVADA TEST SITE, NEVADA, BY T.E. MOWER, J.D. HIGGINS, I.C. YANG AND C.A. PETERS ACQN/DEVL LOCATION : USGS, DENVER, CO	05/01/93-12/31/93	INTERPRETATION OF PLOTS OF PORE WATER EXTRACTION DATA THAT ARE INCLUDED IN THE REPORT	D N C
**GS940812331210.003	FRACTURE DENSITY ANALYSIS - UE-25 UZ#4 ACQN/DEVL LOCATION : USGS, DENVER, CO	07/01/89-09/30/89	MICROSCOPIC EXAMINATION OF THIN SECTIONS TO DETERMINE FRACTURE DENSITY WITHIN PHENOCRYSTS.	A N C
*SNL12011393001.005	REVISED SORPTION AND TRANSPORT PROPERTIES OF WEDRON 510, SAND, NICKEL (NI), BROMIDE (BR), AND LITHIUM (LI). (DATA COLLECTION AND ANALYSES) ACQN/DEVL LOCATION : SANDIA NATIONAL LABORATORIES, ALBUQUERQUE, NM	03/21/94-03/07/95	CALCULATIONS WITH HYDRAQL94 AND FITEQL 2.0, AND DATA CALCULATION REDUCTIONS USING FORMULAS AND CONTAINED IN EXCEL SPREADSHEETS TO DETERMINE DOMINANT CHEMICAL SPECIES OF NICKEL. CALCULATED SORPTION ISOTHERM PARAMETERS, AND SURFACE AREA OF POWDERS USING CXTFIT AND HYDRUS TO DETERMINE MASS TRANSPORT PARAMETERS.	A N P

SOCIOECONOMIC PLAN

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	D A U L T A O A L C I A T F T Y I I P E O E D N
**TM00121361T1EB.004	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY EMPLOYMENT DATA REPORT, APRIL 1994 THROUGH JUNE 1994 ACQN/DEVL LOCATION : T&MSS	04/01/94-06/30/94	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	A Y T
*TM00121361T1EC.001	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY EMPLOYMENT DATA REPORT, OCTOBER 1994 THROUGH DECEMBER 1994 ACQN/DEVL LOCATION : M&O/SAIC	10/01/94-12/31/94	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	A Y P
**TM00121361T1FB.001	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY EMPLOYMENT DATA REPORT, JULY 1994 THROUGH SEPTEMBER 1994 ACQN/DEVL LOCATION : M&O/SAIC	07/01/94-09/30/94	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	A Y T

APPENDIX A

SITE CHARACTERIZATION PROGRAM BASELINE ACTIVITY NUMBERS AND NAMES

<u>ACTIVITY NO.</u>	<u>ACTIVITY NAME</u>
8.3.1.2.1.1.1	Precipitation and meteorological monitoring
8.3.1.2.1.2.1	Surface-water runoff monitoring
8.3.1.2.1.2.2	Transport of debris by severe runoff
8.3.1.2.1.3.1	Assessment of the regional hydrogeologic data needs in the saturated zones
8.3.1.2.1.3.2	Regional potentiometric-level distribution and hydrogeologic framework studies
8.3.1.2.1.3.3	Fortymile Wash recharge study
8.3.1.2.1.3.4	Evapotranspiration studies
8.3.1.2.1.4.1	Conceptualization of regional hydrologic flow models
8.3.1.2.1.4.2	Subregional two-dimensional area hydrologic modeling
8.3.1.2.1.4.4	Regional three-dimensional areal hydrologic modeling
8.3.1.2.2.1	Characterization of unsaturated-zone infiltration
8.3.1.2.2.1.1	Characterization of hydrological properties of surficial materials
8.3.1.2.2.1.2	Evaluation of natural infiltration
8.3.1.2.2.1.3	Evaluation of artificial infiltration
8.3.1.2.2.2.1	Chloride and chlorine-36 measurements of percolation at Yucca Mountain
8.3.1.2.2.3.1	Matrix hydrologic properties testing
8.3.1.2.2.3.2	Site vertical borehole studies
8.3.1.2.2.4.2	Percolation tests in the Exploratory Studies Facility

ACTIVITY NO.	ACTIVITY NAME
8.3.1.2.2.4.4	Radial borehole tests in the Exploratory Studies Facility
8.3.1.2.2.4.7	Perched-water test in the Exploratory Studies Facility
8.3.1.2.2.4.8	Hydrochemistry tests in the Exploratory Studies Facility
8.3.1.2.2.4.9	Multipurpose-borehole testing
8.3.1.2.2.6.1	Gaseous-phase circulation study
8.3.1.2.2.7.1	Gaseous - phase chemical investigations
8.3.1.2.2.7.2	Aqueous-phase chemical investigations
8.3.1.2.2.8.1	Development of conceptual and numerical models of fluid flow in unsaturated, fractured rock
8.3.1.2.2.9.1	Conceptualization of the unsaturated-zone hydrogeologic system
8.3.1.2.2.9.3	Simulation of the natural hydrogeologic system
8.3.1.2.3.1.2	Site potentiometric-level evaluation
8.3.1.2.3.1.3	Analysis of single- and multiple-well hydraulic-stress tests
8.3.1.2.3.1.4	Multiple-well interference testing
8.3.1.2.3.1.6	Well testing with conservative tracers throughout the site
8.3.1.2.3.1.7	Testing of the C-hole sites with conservative tracers
8.3.1.2.3.2.1	Assessment of saturated-zone hydrochemical data availability and needs
8.3.1.2.3.2.2	Hydrochemical characterization of water in the upper part of the saturated zone
8.3.1.2.3.2.3	Regional hydrochemical tests and analyses

<u>ACTIVITY NO.</u>	<u>ACTIVITY NAME</u>
8.3.1.2.3.3.1	Conceptualization of saturated-zone flow models within the boundaries of the accessible environment
8.3.1.2.3.3.2	Development of fracture network model
8.3.1.3.1.1	Ground-water chemistry model
8.3.1.3.2.1	Mineralogy, petrology, and chemistry of transport pathways
8.3.1.3.2.1.1	Petrologic stratigraphy of the Topopah Spring Member
8.3.1.3.2.1.2	Mineral distributions between the host rock and the accessible environment
8.3.1.3.2.1.3	Fracture mineralogy
8.3.1.3.2.2.1	History of mineralogic and geochemical alteration of Yucca Mountain
8.3.1.3.2.2.2	Smectite, zeolite, manganese minerals, glass dehydration, and transformation
8.3.1.3.4.1	Batch sorption studies
8.3.1.3.4.1.1	Batch sorption measurements as a function of solid phase composition
8.3.1.3.4.1.2	Sorption as a function of sorbing element concentrations (isotherms)
8.3.1.3.4.1.3	Sorption as a function of ground-water composition
8.3.1.3.4.2	Biological sorption and transport
8.3.1.3.5.1.1	Solubility measurements
8.3.1.3.5.1.2	Speciation measurements
8.3.1.3.6.1.1	Crushed tuff column experiments
8.3.1.3.6.1.2	Mass transfer kinetics
8.3.1.3.6.2.1	Uptake of radionuclides on rock beakers in a saturated system
8.3.1.3.6.2.2	Diffusion through a saturated tuff slab

<u>ACTIVITY NO.</u>	<u>ACTIVITY NAME</u>
8.3.1.4.1.2	Integration of geophysical activities
8.3.1.4.2.1	Characterization of the vertical and lateral distribution of stratigraphic units within the site area
8.3.1.4.2.1.1	Surface and subsurface stratigraphic studies of the host rock and surrounding units
8.3.1.4.2.1.2	Surface-based geophysical surveys
8.3.1.4.2.1.3	Borehole geophysical surveys
8.3.1.4.2.1.4	Petrophysical properties testing
8.3.1.4.2.1.5	Magnetic properties and stratigraphic correlations
8.3.1.4.2.1.6	Integration of geophysical activities
8.3.1.4.2.2	Characterization of the structural features within the site area
8.3.1.4.2.2.1	Geologic mapping of zonal features in the Paintbrush Tuff
8.3.1.4.2.2.2	Surface-fracture network studies
8.3.1.4.2.2.3	Borehole evaluation of faults and fractures
8.3.1.4.2.2.4	Geologic mapping of the Exploratory Studies Facility
8.3.1.4.2.2.5	Seismic tomography/vertical seismic profiling
8.3.1.4.2.3.1	Development of a three-dimensional geologic model of the site area
8.3.1.4.3.1	Systematic acquisition of site-specific subsurface information
8.3.1.4.3.1.1	Systematic drilling program
8.3.1.5.1.1.1	Synoptic characterization of regional climate
8.3.1.5.1.2.1	Paleontologic analyses
8.3.1.5.1.2.2	Analysis of the stratigraphy-sedimentology of marsh lacustrine, and playa deposits

<u>ACTIVITY NO.</u>	<u>ACTIVITY NAME</u>
8.3.1.5.1.3.1	Analysis of pack rat middens
8.3.1.5.1.3.3	Determination of vegetation-climate relationships
8.3.1.5.1.4.1	Modeling of soil properties in the Yucca Mountain region
8.3.1.5.1.4.2	Surficial deposits mapping of the Yucca Mountain area
8.3.1.5.1.4.3	Eolian history of the Yucca Mountain region
8.3.1.5.1.5.1	Paleoclimate-paleoenvironmental synthesis
8.3.1.5.2.1.1	Regional paleoflood evaluation
8.3.1.5.2.1.2	Quaternary unsaturated zone hydrochemical analysis
8.3.1.5.2.1.3	Evaluation of past discharge areas
8.3.1.5.2.1.4	Analog recharge studies
8.3.1.5.2.1.5	Studies of calcite and opaline silica vein deposits
8.3.1.6.1.1	Distribution and characteristics of present and past erosion
8.3.1.6.1.1.1	Development of a geomorphic map of Yucca Mountain
8.3.1.6.1.1.2	Analysis of the downcutting history of Fortymile Wash and its tributaries
8.3.1.6.1.1.3	An analysis of hillslope erosion at Yucca Mountain
8.3.1.6.2.1.1	Synthesis and data evaluation of impact of future climatic conditions on locations and rates of erosion
8.3.1.6.3.1.1	Synthesis and data evaluation of the impact of future uplift or subsidence and faulting on erosion at Yucca Mountain and vicinity
8.3.1.8.1.1.3	Presence of magma bodies in the vicinity of the site
8.3.1.8.1.1.4	Probability calculations and assessment

<u>ACTIVITY NO.</u>	<u>ACTIVITY NAME</u>
8.3.1.8.1.2.1	Eruptive effects
8.3.1.8.2.1.1	Analysis of waste package rupture due to tectonic processes and events
8.3.1.8.3.2.2	Assessment of the effects of igneous intrusions on water-table elevations
8.3.1.8.3.2.5	Effects of faulting on water-table elevation
8.3.1.8.5.1.2	Geochronology studies
8.3.1.8.5.1.3	Field geologic studies
8.3.1.8.5.1.4	Geochemistry of scoria sequences
8.3.1.8.5.1.5	Geochemical cycles of basaltic volcanic fields
8.3.1.8.5.2	Characterization of igneous intrusive features
8.3.1.8.5.2.1	Evaluation of depth of curie temperature isotherm
8.3.1.8.5.2.3	Heat flow at Yucca Mountain and evaluation of regional ambient heat flow and local heat flow anomalies
8.3.1.8.5.2	Characterization of igneous intrusive features
8.3.1.8.5.2.1	Evaluation of depth of curie temperature isotherm
8.3.1.8.5.2.3	Heat flow at Yucca Mountain and evaluation of regional ambient heat flow and local heat flow anomalies
8.3.1.9.2.1	Natural resource assessment of Yucca Mountain, Nye County, Nevada
8.3.1.9.2.1.1	Geochemical assessment of Yucca Mountain in relation to the potential for mineralization
8.1.3.9.2.1.3	Assessment of the potential for geothermal energy at Yucca Mountain, Nevada
8.3.1.9.2.1.4	Assessment of hydrocarbon resources at and near the site

ACTIVITY NO.	ACTIVITY NAME
8.3.1.9.2.2.1	Projected trends in local and regional ground-water development, and estimated withdrawal rates in southern Nevada, proximal to Yucca Mountain
8.3.1.12.2.1.1	Site meteorological monitoring program
8.3.1.14.2.1.1	Site reconnaissance
8.3.1.14.2.1.2	Preliminary and detailed exploration
8.3.1.14.2.1.3	Detailed exploration
8.3.1.14.2.2	Laboratory tests and material property measurements
8.3.1.14.2.2.1	Physical property and index laboratory tests
8.3.1.14.2.2.2	Mechanical and dynamic laboratory property tests
8.3.1.14.2.3	Field tests and characterization measurements
8.3.1.14.2.3.1	Physical property field tests and characterization measurements
8.3.1.14.2.3.2	Mechanical property field tests
8.3.1.14.2.3.3	Geophysical field measurements
8.3.1.15.1.1	Laboratory thermal properties
8.3.1.15.1.1.1	Density and porosity characterization
8.3.1.15.1.1.2	Volumetric heat capacity characterization
8.3.1.15.1.1.3	Thermal conductivity characterization
8.3.1.15.1.2.1	Thermal expansion characterization
8.3.1.15.1.3	Laboratory determination of mechanical properties of intact rock
8.3.1.15.1.3.1	Compressive mechanical properties of intact rock at baseline experiment conditions
8.3.1.15.1.3.2	Effects of variable environmental conditions on mechanical properties

ACTIVITY NO.**ACTIVITY NAME**

- 8.3.1.15.1.4 Laboratory determination of the mechanical properties of fractures
 - 8.3.1.15.1.4.1 Mechanical properties of fractures at baseline experiment conditions
 - 8.3.1.15.1.7.1 Plate loading tests
 - 8.3.1.15.1.8.1 Evaluation of mining methods
 - 8.3.1.15.1.8.2 Monitoring of ground-support systems
- 8.3.1.15.2.1.2 Overcore stress experiments in the exploratory studies facility
 - 8.3.1.15.2.2.1 Surface-based evaluation of ambient thermal conditions
- 8.3.1.16.1.1.1 Site flood and debris hazards studies
- 8.3.1.16.2.1.4 Identification and evaluation of potential effects of repository related withdrawals on the local flow system at Yucca Mountain, Nevada
- 8.3.1.17.2.1.2 Assess the potential for displacement on faults that intersect underground facilities
- 8.3.1.17.3.1 Relevant earthquake sources
 - 8.3.1.17.3.1.1 Identify relevant earthquake sources
 - 8.3.1.17.3.1.2 Characterize 10,000-yr cumulative slip earthquakes for relevant seismogenic sources
 - 8.3.1.17.3.3 Ground motion from regional earthquake and underground nuclear explosions
 - 8.3.1.17.3.3.2 Select or develop empirical models for ground motion from underground nuclear explosions
 - 8.3.1.17.3.5 Ground motion at the site from controlling seismic events
 - 8.3.1.17.3.5.1 Identify controlling seismic events
 - 8.3.1.17.3.5.2 Characterize ground motion from the controlling seismic events

ACTIVITY NO.	ACTIVITY NAME
8.3.1.17.3.6	Probabilistic seismic hazards analyses
8.3.1.17.3.6.2	Evaluate ground motion probabilities
8.3.1.17.4.1	Historical and current seismicity
8.3.1.17.4.1.1	Compile historical earthquake record
8.3.1.17.4.1.2	Monitor current seismicity
8.3.1.17.4.1.3	Evaluate potential for induced seismicity at the site
8.3.1.17.4.2	Location and recency of faulting near prospective surface facilities
8.3.1.17.4.2.1	Identify appropriate trench locations in Midway Valley
8.3.1.17.4.2.2	Conduct exploratory trenching in Midway Valley
8.3.1.17.4.3	Quaternary faulting within 100km of Yucca Mountain, including the Walker Lane
8.3.1.17.4.3.1	Conduct and evaluate deep geophysical surveys in an east-west transect crossing the Furnace Creek fault zone, Yucca Mountain, and the Walker Lane
8.3.1.17.4.3.2	Evaluate Quaternary faults within 100 km of Yucca Mountain
8.3.1.17.4.3.4	Evaluate the Bare Mountain fault zone
8.3.1.17.4.3.5	Evaluate structural domains and characterize the Yucca Mountain region with respect to regional patterns of faults and fractures
8.3.1.17.4.4	Quaternary faulting proximal to the site within northeast-trending fault zones
8.3.1.17.4.4.1	Evaluate the Rock Valley fault system
8.3.1.17.4.5.1	Evaluate the significance of the Miocene-Paleozoic contact in the Calico Hills area to detachment faulting within the site area
8.3.1.17.4.5.2	Evaluate postulated detachment faults in the Beatty-Bare Mountain area

<u>ACTIVITY NO.</u>	<u>ACTIVITY NAME</u>
8.3.1.17.4.6	Quaternary faulting within the site area
8.3.1.17.4.6.1	Evaluate Quaternary geology and potential Quaternary faults at Yucca Mountain
8.3.1.17.4.6.2	Evaluate age and recurrence of movement on suspected and known Quaternary faults
8.3.1.17.4.7	Subsurface geometry and concealed extensions of Quaternary faults at Yucca Mountain
8.3.1.17.4.7.1	Evaluate intermediate depth (2 to 3 km) reflection and refraction methods and plan potential application of these methods within the site area
8.3.1.17.4.7.2	Detailed gravity survey of the site area
8.3.1.17.4.7.3	Detailed aeromagnetic survey of the site area
8.3.1.17.4.7.4	Detailed ground magnetic survey of specific features within the site area
8.3.1.17.4.7.5	Evaluate surface geoelectric methods and plan potential application of these methods within the site area
8.3.1.17.4.7.8	Evaluate shallow seismic reflection (mini-sosie) methods and, if appropriate, conduct surveys of selected structures at and proximal to the site area
8.3.1.17.4.8.	Stress field within and proximal to the site area
8.3.1.17.4.8.1	Evaluate present stress field within site area
8.3.1.17.4.8.2	Evaluate and test shallow borehole hydrofrac and triaxial strain recovery methods for the determination of in situ stress and, if appropriate, plan potential application of these methods within and proximal to the site
8.3.1.17.4.9	Tectonic geomorphology of the Yucca Mountain region
8.3.1.17.4.9.1	Evaluate age and extent of tectonically stable areas at and near Yucca Mountain

ACTIVITY NO.	ACTIVITY NAME
8.3.1.17.4.10.1	Relevel base-station network, Yucca Mountain and vicinity
8.3.1.17.4.10.2	Survey selected base stations, Yucca Mountain and vicinity, using global positioning satellite
8.3.1.17.4.10.3	Analyze existing releveling data, Yucca Mountain and vicinity
8.3.1.17.4.11	Characterization of regional lateral crustal movement
8.3.1.17.4.12	Tectonic models and synthesis
8.3.1.17.4.12.1	Evaluate tectonic processes and tectonic stability at the site
8.3.1.19.1.1	Rock-water interactions at elevated temperatures
8.3.1.19.1.4	Dissolution of phases in the waste package environment
8.3.1.19.2.1	Single-phase fluid system properties
8.3.1.19.2.2	Two-phase fluid system properties
8.3.1.19.4.1	Repository horizon near-field hydrologic properties
8.3.1.19.5.1	Effect of grout, concrete, and other repository materials on water composition
8.3.2.4.1.1	Design activity to verify access and drift usability
8.3.3.2.2.3	In situ testing of seal components
8.3.5.4.1.1	Refinement of site data parameters required for Issue 2.2
8.3.5.9.2.4	Degradation modes affecting ceramic-metal, bimetallic/single metal, or coatings and filler systems
8.3.5.9.1.2	Integrate design and materials information (alternate barriers investigation)
8.3.5.10.2.1	Characterization of the spent fuel waste form

ACTIVITY NO.	ACTIVITY NAME
8.3.5.10.2.2	Characterization of the glass waste form
8.3.5.10.3.2	Develop geochemical speciation and reaction model
8.3.5.10.5.1	Determine radionuclide transport parameters
8.3.5.10.5.2	Radionuclide transport modeling in the near-field waste package environment
8.3.5.12.1.1	Application of results
8.3.5.12.2.1	Model development
8.3.5.12.2.1.1	Development of a theoretical framework for calculational models
8.3.5.12.2.2	Verification and validation

APPENDIX B

GENISES ADDITIONS: 2nd QUARTER, FY 1995

<u>DATA TRACKING NO.</u>	<u>DATA ITEM DESCRIPTION</u>
EGESD930708000.000	DESERT TORTOISE STUDIES AT YUCCA MOUNTAIN, 1989-93
GS900983116111.002	PMF (PROBABLE MAXIMUM FLOOD) STUDY FOR NEVADA NUCLEAR WASTE STORAGE INVESTIGATION PROJECT
GS900983117411.004	A COLLATION OF EARTHQUAKE HYPOCENTERS, INTENSITIES, AND MAGNITUDES FOR THE SOUTHERN GREAT BASIN FOR THE PERIOD 1868-1978
GS900983117461.001	PRELIMINARY STUDY OF QUATERNARY FAULTING ON THE EAST SIDE OF BARE MOUNTAIN, NYE COUNTY, NEVADA
GS900983117472.004	THREE GRAVITY PROFILES AND PRINCIPAL FACTS OF 2.604 GRAVITY STATIONS IN THE SOUTHWEST QUADRANT OF THE NEVADA TEST SITE ARE DOCUMENTED IN THIS DATA REPORT
GS910508315215.005	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 5/3/89 TO 5/9/91
GS910708314211.011	SR AND ND ISOTOPIC DATA AND Rb, Sr, Nd, AND SM CONCENTRATIONS FROM DRILL CORE SPECIMANS FROM UE25A#1
GS910908315214.003	METEOROLOGICAL, STREAM-DISCHARGE, AND WATER-QUALITY DATA FOR 1986 THROUGH 1991 FROM TWO SMALL BASINS IN CENTRAL NEVADA
GS920208315215.008	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 5/10/91 TO 2/28/92
GS920208315215.012	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 4/8/88 TO 5/2/89

DATA TRACKING NO.**DATA ITEM DESCRIPTION**

GS920708315213.004 WATER CHEMISTRY DATA FOR WATER SAMPLES OBTAINED DURING COLLECTION FIELD TRIP OF 3-22-92 TO 3-28-92 FROM THE FOLLOWING SITES: GRAPEVINE SPRINGS, STEWART VALLEY ESTATE, CARSON SLOUGH EAST SPRING, MESQUITE WELL, AMARGOSA DESERT-CARSON SLOUGH EAST FLOWING WELL, AND KING SPRING

GS920808312312.017 TRANSDUCER OUTPUT DATA FROM WELLS IN THE YUCCA MOUNTAIN AREA SHOWING RESPONSE TO EARTHQUAKES ON JUNE 28 AND JUNE 30, 1992

GS920808314213.003 ASSESSMENT OF GEOPHYSICAL LOGS FROM BOREHOLE USW G-2, WITH RECOMMENDATIONS FOR FUTURE LOGGING AT YUCCA MOUNTAIN, NEVADA

GS921208312211.013 GEOHYDROLOGIC DATA FROM TEST HOLE USW UZ-6S, YUCCA MOUNTAIN, NYE COUNTY, NEVADA

GS921208315215.028 PALEOHYDROLOGIC IMPLICATIONS OF THE STABLE ISOTOPIC COMPOSITION OF SECONDARY CALCITE WITHIN THE TERTIARY VOLCANIC ROCKS OF YUCCA MOUNTAIN, NEVADA

GS930108315213.002 WATER CHEMISTRY AND SAMPLE DOCUMENTATION FOR TWO SAMPLES ANALYZED BY USGS-NWQL: 1) LATHROP WELLS CONE, 2) USW VH-2

GS930108315215.009 URANIUM-SERIES DATING OF SECONDARY CARBONATES NEAR YUCCA MOUNTAIN, NEVADA: APPLICATIONS TO TECTONIC, PALEOCLIMATIC AND PALEOHYDROLOGIC PROBLEMS

GS930208315213.010 WATER CHEMISTRIES FOR WATER SAMPLES COLLECTED FROM 11/4/92 TO 11/8/92

GS930408315213.014 NWQL WATER CHEMISTRIES FROM WATER SAMPLES COLLECTED DURING FIELD COLLECTION TRIP OF MARCH 7-12, 1993

GS930608312232.016 DRILLING AND GEOHYDROLOGIC DATA FOR TEST HOLE USW UZ-1, YUCCA MOUNTAIN, NYE COUNTY, NEVADA

GS930708315142.003 PHYSICAL PROPERTIES AND RADIOMETRIC AGE ESTIMATES OF SURFICIAL AND FRACTURE-FILL DEPOSITS ALONG A PORTION OF THE CARPETBAG FAULT SYSTEM, NTS, NYE COUNTY, NV

DATA TRACKING NO.**DATA ITEM DESCRIPTION**

GS930808315213.019 USGS NWQL-DERIVED WATER CHEMISTRIES FROM SAMPLES COLLECTED 4/23/93 TO 5/3/93, CALIFORNIA AND NEVADA

GS930908312323.003 HYDROCHEMICAL DATA FROM FIELD TESTS AND LAB ANALYSES OF WATER SAMPLES COLLECTED AT FIELD STATIONS, USW VH-1, JF3, UE-29 UZN#91, VIRGIN SPRING, NEVARES SPRING, UE-25 J#12, UE-25 J#13, UE-22 ARMY #1, AB\ND USW UZ-14

GS930908315213.020 USGS NWQL WATER CHEMISTRIES DERIVED FROM SAMPLES COLLECTED 6/2/93 TO 6/5/93

GS930908315214.015 METEOROLOGICAL DATA FROM A STATION AT ORGAN PIPE CACTUS NATIONAL MONUMENT, ARIZONA: BAROMETRIC PRESSURE, SOLAR RADIATION, AIR TEMPERATURE, WIND VELOCITY, RELATIVE HUMIDITY

GS930908315215.027 87SR/86SR RATIOS IN SAMPLES FROM YUCCA MOUNTAIN VICINITY

GS931008315215.029 STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 11/19/92 TO 12/3/93

GS931008315215.030 CARBON AND OXYGEN ISOTOPE ANALYSES OF CAVITY-AND-FRACTURE-COATING CALCITE AND SOIL CARBONATE FROM DRILL HOLES AND OUTCROPS, MAY '89 - OCT '93

GS931108314213.010 WATER PERMEABILITY AND RELATED ROCK PROPERTIES MEASURED ON CORE SAMPLES FROM THE YUCCA MOUNTAIN USW GU-3/G-3 AND USW G-4 BOREHOLES, NEVADA TEST SITE

GS931108315215.034 CARBON 14 AGES FROM DRILL HOLES USW G-1, G-2, GU-3, AND G-4, APR 92 - JAN 93

GS931108315215.035 OXYGEN STABLE ISOTOPE ANALYSES OF OPAL FROM DRILL HOLES AND OUTCROPS, JUN 92 - AUG 92

GS931108315215.033 FLUID INCLUSION TEMPERATURES FROM DRILL HOLES USW G-1 AND G-2, OCT 92 - SEP 93

GS931208314211.051 X-RAY FLUORESCENCE ELEMENTAL COMPOSITIONS, 3/9/93 - 3/14/93

<u>DATA TRACKING NO.</u>	<u>DATA ITEM DESCRIPTION</u>
GS931208315213.022	PHYSICAL WATER PROPERTIES OBTAINED IN FIELD DURING SAMPLING TRIPS FROM 5/3/89 THROUGH 6/30/93
GS940308312133.002	WATER QUALITY FOR SAMPLES TAKEN IN FORTYMILE WASH, NEVADA, DURING THE 1993 WATER YEAR
GS940308314211.010	TABLE OF CONTACTS IN BOREHOLE USW UZ-N11
GS940408312312.008	WATER-LEVEL ALTITUDE DATA, FIRST QUARTER 1994
GS940608314211.023	LITHOSTRATIGRAPHIC DATA FOR THE PROW PASS TUFF IN UE-25 UZ#16
GS940608314211.029	X-RAY FLUORESENECE ELEMENTAL COMPOSITIONS DETERMINED 3-23-94 TO 3-25-94
GS940608314211.030	STRONTIUM ISOTOPE RATIOS OF CORE SAMPLES OF THE TIVA CANYON TUFF FROM DRILL HOLE UE-25 NRG#3 (4/28/94 TO 6/10/94)
GS940608315215.006	OXYGEN STABLE ISOTOPE ANALYSES OF OPAL FROM DRILL HOLES AND OUTCROP, JUNE 1994
GS940608315215.007	OXYGEN AND HYDROGEN STABLE ISOTOPE ANALYSES OF SPRING WATERS, FEB-JUN 1994
GS940683117434.002	BARE MOUNTAIN FAULT SCARP PROFILE DATA, 10/24/93 - 10/29/93
GS940708312312.010	WATER-LEVEL ALTITUDE DATA, PERIODIC NETWORK, SECOND QUARTER, 1994
GS940708312322.002	FIELD, CHEMICAL AND ISOTOPIC DATA DESCRIBING WATER SAMPLES COLLECTED FROM EIGHT SPRINGS AND ONE STREAM WITHIN DEATH VALLEY NATIONAL MONUMENT IN MARCH AND MAY 1993
GS940808312133.004	COMPUTER DIFFERENCES OF STREAMFLOW EVENT VOLUMES BETWEEN GAGING STATIONS IN FORTYMILE WASH, JULY - AUGUST 1994
GS940808314211.037	X-RAY FLUORESCENCE ELEMENTAL COMPOSITIONS 6-21-91 TO 8-12-91

<u>DATA TRACKING NO.</u>	<u>DATA ITEM DESCRIPTION</u>
GS940883117312.002	THERMOLUMINESCENCE DATA FOR SAMPLES ASSIGNED LAB NUMBERS OF TL-01 THROUGH TL-21, OBTAINED APRIL 1993 TO MAY 1994
GS940908312312.011	WATER-LEVEL ALTITUDE DATA FROM CONTINUOUS-NETWORK WELLS, 1993
GS940908315213.005	U CONCENTRATIONS AND 234U/238U RATIOS FOR WATERS IN YUCCA MOUNTAIN REGION. DATA WERE OBTAINED 1/1/93 TO 9/10/93 AND INCLUDE SAMPLE WEIGHTS, URANIUM CONCENTRATIONS, MASS SPECTROMETRIC RESULTS FOR 234U/235U AND CALCULATED 234U/238U ACTIVITY RATIOS.
GS940908315215.008	OXYGEN AND HYDROGEN STABLE ISOTOPE ANALYSES OF SOUTHERN NEVADA SPRINGS, JULY - AUGUST 1994
GS940983117312.003	X-RAY FLUORESCENCE ELEMENTAL COMPOSITIONS (9/16/94) IN SUPPORT OF THERMOLUMINESCENCE DATING
GS941008312312.012	WATER-LEVEL ALTITUDE DATA FROM THE PERIODIC NETWORK, THIRD QUARTER 1994
GS941008315213.006	WATER CHEMISTRY DATA FOR WATER SAMPLES COLLECTED FROM 2/25/91 IN NEVADA AND CALIFORNIA
GS941008315213.007	WATER CHEMISTRY DATA FROM WATER SAMPLES COLLECTED 7/29/91 THROUGH 8/2/91 IN NEVADA
GS941008315213.008	WATER CHEMISTRY DATA OBTAINED FROM SAMPLES COLLECTED BETWEEN 7/8/90 AND 7/13/90 IN NEVADA AND UTAH
GS941108312312.013	WATER-LEVEL ALTITUDE DATA FROM WELL USW G-2, 2/22/94 THROUGH 11/14/94
SNF29041993002.010	SCHMIDT HAMMER TEST DATA FROM NRG DRILLHOLES CORE
SNF29041993002.012	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ROCK MASS MECHANICAL PROPERTIES ESTIMATES BOREHOLES UE25 NRG-1, -2, -2A, -3, -4, -5, & USW NRG-6

DATA TRACKING NO.**DATA ITEM DESCRIPTION**

SNF29041993002.020 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT
ROCK MASS QUALITY ESTIMATES FOR TCW, PTN,
TSW1, AND TSW2

SNF29041993002.024 SCHMIDT HAMMER TEST DATA FROM USW NRG-7/7A
DRILLHOLE

SNF29041993002.030 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT
RANK-ORDERED ROCK MASS QUALITY INDICES BASED
ON CORE LOG DATA HOLES UE25 NRG-1, NRG-2,
NRG-2A, NRG-2B, NRG-3, NRG-5, USW NRG-6, AND
NRG-7/7A DRILLHOLE (REVISION 0)

SNF29041993002.031 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT
ROCK MASS MECHANICAL PROPERTIES ESTIMATES FOR
BOREHOLES UE25 NRG-1, NRG-2, NRG-2A, NRG-3,
NRG-4, NRG-5; USW NRG-6 AND NRG-7/7A
(REVISION 2)

SNF29041993002.032 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT
RANK-ORDERED ROCK MASS QUALITY INDICES FOR
TCW, PTN, TSW1, TSW2, AND UO (TUFF "X") UNITS

TM00121361T1EB.004 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT
SOCIOECONOMIC MONITORING PROGRAM QUARTERLY
EMPLOYMENT DATA REPORT, APRIL 1994 THROUGH
JUNE 1994

TM00121361T1FB.001 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT
SOCIOECONOMIC MONITORING PROGRAM QUARTERLY
EMPLOYMENT DATA REPORT, JULY 1994 THROUGH
SEPTEMBER 1994

APPENDIX C

SUPERSEDING DATA ITEMS

<u>DTN</u>	<u>SUPERSEDED DTN</u>	<u>CHANGE DESCRIPTION</u>
GS940708312212.011	GS940108312212.005 GS930108312212.004 GS940108312212.006	Updates equation for calculating volumetric water content
GS930708314211.031	GS900908312232.001	Converts data measurements to metric in Lithologic Log, Table 3
GS940608314211.026	GS931208314211.047	Corrects contact altitude calculation
*GS950108314211.007	GS930208314211.008 GS900908314213.002	Changes to some lithologic contacts, descriptions, and stratigraphic nomenclature
*GS950108314211.008	GS940208314211.005 GS941008314211.049 GS931208314211.047 GS940608314211.023 GS931108314211.041 GS940208314211.003	Changes to some lithologic contacts, descriptions, and stratigraphic nomenclature

* Indicates superseding data items added during the current quarter.

<u>DTN</u>	<u>SUPERSEDED DTN</u>	<u>CHANGE DESCRIPTION</u>
*GS950108314211.010	GS931108314211.042 GS941108314211.055 GS940108314211.001 GS940308314211.014 GS940408314211.020 GS931208314211.048 GS940208314211.005 GS941008314211.051 GS941008314211.049 GS931208314211.047 GS940208314211.003 GS941208314211.060 GS940308314211.009 GS940708314211.032 GS931208314211.049	Changes to some lithologic contacts, descriptions, and stratigraphic nomenclature
*GS950108314211.011	GS900908314213.002 GS900908314213.010 GS930208314211.008 GS920908314211.003 GS920908314211.002	Changes to some lithologic contacts, descriptions, and stratigraphic nomenclature
*GS950108314211.009	GS931108314211.041 GS940108314211.001 GS940308314211.014 GS940408314211.020 GS931208314211.048 GS931208314211.047 GS940308314211.010 GS940208314211.006 GS940208314211.003 GS941208314211.060 GS940308314211.009 GS940708314211.032	Changes to some lithologic contacts, descriptions, and stratigraphic nomenclature

<u>DTN</u>	<u>SUPERSEDED DTN</u>	<u>CHANGE DESCRIPTION</u>
*GS940608314211.023	GS931208314211.047	Changes to some lithologic contacts, descriptions, and stratigraphic nomenclature
*GS940608314211.026	GS931208314211.047	Changes to some lithologic contacts, descriptions, and stratigraphic nomenclature
*GS940908314211.043	GS940608314211.024	Changes to some lithologic contacts, descriptions, and stratigraphic nomenclature
*GS950208314211.012	GS900908314213.002 GS900908314213.010 GS930208314211.008 GS920908314211.003	Changes to some lithologic contacts, descriptions, and stratigraphic nomenclature
SNT01122093001.002	SNT01122093001.001	Includes additional data
SNF29041993002.021	SNF29041993002.013	Includes additional data
SNL01B05059301.003	SNL01B05059301.002	Converts digital data to graphical format
SNL01A05059301.002	SNL01A05059301.001	Additional data based on expanded sample size
SNF29041993002.030	SNF29041993002.011	Includes additional data
SNF29041993002.031	SNF29041993002.012	Includes additional data
SNF29041993002.032	SNF29041993002.020	Includes additional data
*SNT02052794001.002	SNT02052794001.001	Includes additional data

<u>DTN</u>	<u>SUPERSEDED DTN</u>	<u>CHANGE DESCRIPTION</u>
*SNF29041993002.034	SNF29041993002.003	Revised to include USGS nomenclature and change in calculation method
*SNF29041993002.035	SNF29041993002.001	Revised to include USGS nomenclature and change in calculation method
*SNF29041993002.036	SNF29041993002.004	Revised to include USGS nomenclature and change in calculation method
*SNF29041993002.037	SNF29041993002.014	Revised to include USGS nomenclature and change in calculation method
*SNF29041993002.038	SNF29041993002.005	Revised to include USGS nomenclature and change in calculation method
*SNF29041993002.039	SNF29041993002.008	Revised to include USGS nomenclature and change in calculation method
*SNF29041993002.040	SNF29041993002.007	Revised to include USGS nomenclature and change in calculation method
*SNF29041993002.041	SNF29041993002.006	Revised to include USGS nomenclature and change in calculation method
*SNF29041993002.042	SNF29041993002.015	Includes additional data, revised survey coordinates and elevations, and change in calculation method
*SNF29041993002.043	SNF29041993002.025	Includes additional data
*SNF29041993002.044	SNF29041993002.021	Includes additional data

<u>DTN</u>	<u>SUPERSEDED DTN</u>	<u>CHANGE DESCRIPTION</u>
*SNF29041993002.047	SNF29041993002.011 SNF29041993002.017 SNF29041993002.019	Includes change in calculation method and revisions to stratigraphy
*SNF29041993002.048	SNF29041993002.009 SNF29041993002.016 SNF29041993002.018	Includes change in calculation method, USGA nomenclature, and stratigraphy revisions and additional data
*SNF29041993002.049	SNF29041993002.031	Changes Q values for PTN units
*SNF29041993002.050	SNF29041993002.032	Changes Q values for PTN units
TM000019921993.001	TM000019911992.001	Additional biota data for 1992 and 1993

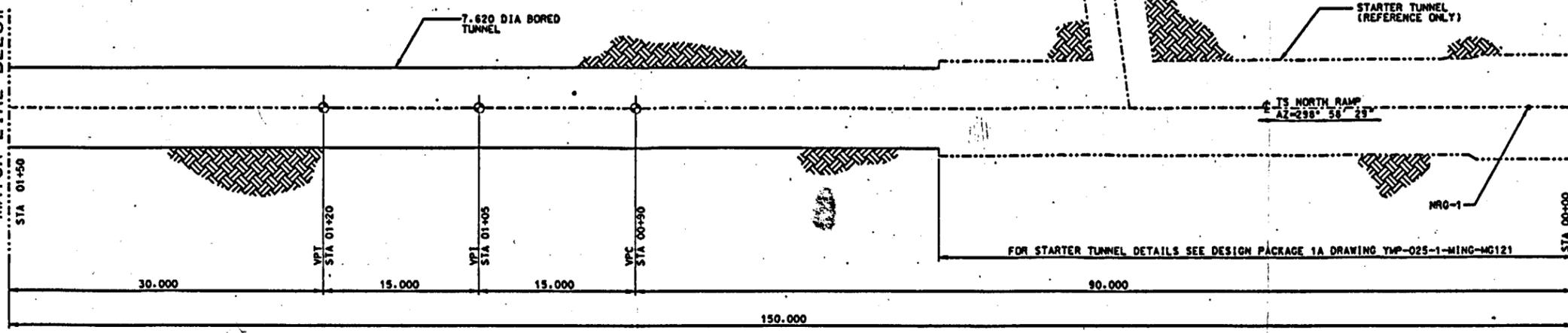
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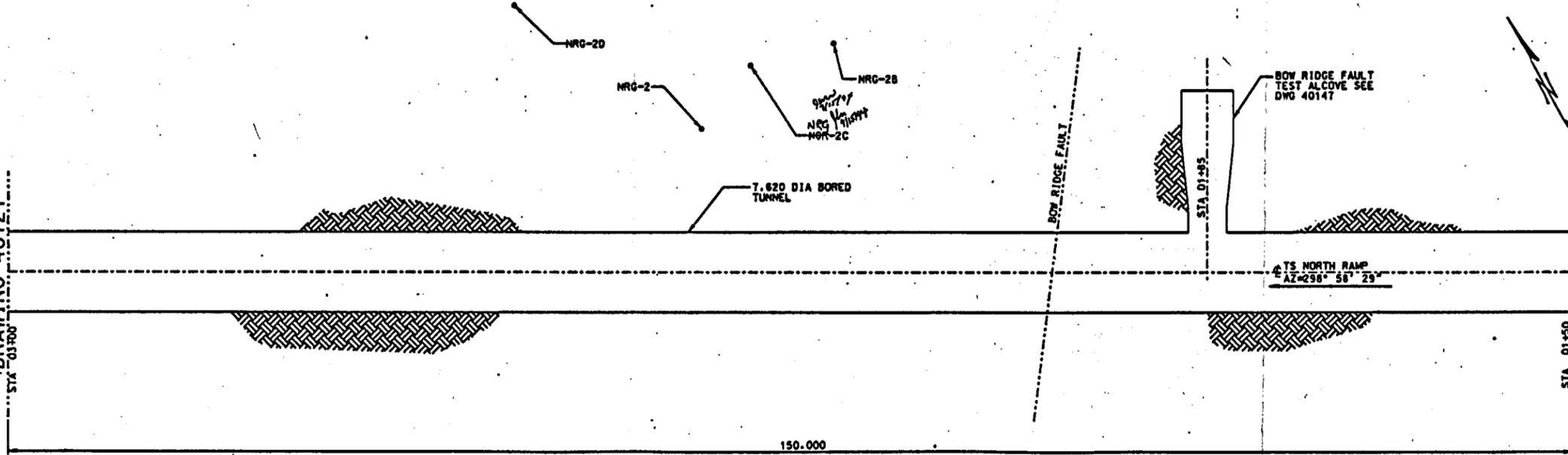
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STA 01+50



PLAN STA 00+00 TO STA 01+50
SCALE 1:250

MATCH LINE SEE
DRAWING 40121
STA 03+00



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- NOTES:**
- ALL DISTANCES (INCLUDING STATIONING) SHOWN ON THIS DRAWING OR DERIVED FROM PLANE COORDINATES SHOWN ON THE DRAWING ARE GRID DISTANCES ON THE NEVADA STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (NAD 27). TO OBTAIN APPROXIMATE GROUND DISTANCES, DIVIDE GRID DISTANCES BY 0.999732.
 - COORDINATES, ELEVATIONS, DIMENSIONS, AND STATIONING ARE SHOWN IN METERS, UNLESS OTHERWISE NOTED. METRIC VALUES ARE ROUNDED TO THREE DECIMAL PLACES, WHERE DISCREPANCIES BETWEEN ELEVATIONS & GRADIENTS OCCUR DUE TO ROUNDING. ELEVATIONS WILL GOVERN.
 - ALL METRIC COORDINATES ARE BASED ON AN INITIAL CONVERSION OF THE NORTH PORTAL COORDINATES FROM FEET TO METERS, USING A CONVERSION FACTOR OF 0.30480061.
 - REFER TO TABLE ON DRAWING 40100 FOR BOREHOLE INFORMATION.
 - FAULT TRACE LOCATIONS SHOWN ON NORTH RAMP PLAN, EXCEPT FOR THE BOY RIDGE FAULT, ARE APPROXIMATIONS BASED ON AT-DEPTH PROJECTIONS OF INFORMATION FROM USGS OPEN FILE REPORT 84-494, PRELIMINARY GEOLOGIC MAP AND SECTIONS, BY SCOTT AND BONK (SEE BC0000000-01717-0200-00002 REV 00, SURFACE FAULT TRACES PROJECTED TO REPOSITORY HORIZON). THE BOY RIDGE FAULT TRACE IS AN AT-DEPTH PROJECTION BASED ON FIELD WORK FROM ON-GOING ROCK AND SOIL INVESTIGATIONS (REFERENCE SHL DRG NO. 88-60-09, REV 5, DATED 4-20-84 TDIF # 303195).
 - ALCOVE LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE FIELD DETERMINED.
 - THE 30 m VERTICAL CURVE IS AN EQUAL-TANGENT PARABOLIC TYPE CURVE.
 - THE TS NORTH RAMP IS CLASSIFIED AS OA-1 BECAUSE OF ITS POTENTIAL TO PROVIDE A TRANSPORT PATH FOR WASTE EMPLOYMENT AND A PATH FOR VENTILATION AND/OR INSTRUMENTATION AND CONTROL EQUIPMENT WITH POTENTIAL IRS (OA-1) SIGNIFICANCE. IT IS CLASSIFIED AS OA-2 BY DIRECT INCLUSION TO ACCOUNT FOR THE POTENTIAL IMPORTANCE OF THE RAMP IN ESTABLISHING REPOSITORY SEALS. OA CONTROLS ARE APPLIED IN A/E SPECIFICATION SECTIONS TO SATISFY ESF REQUIREMENTS ASSOCIATED WITH THESE CLASSIFICATIONS. TUNNEL ALIGNMENT AND GRADE ARE SUBJECT TO OA CONTROLS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION SECTION 01501.

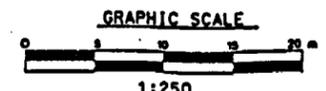
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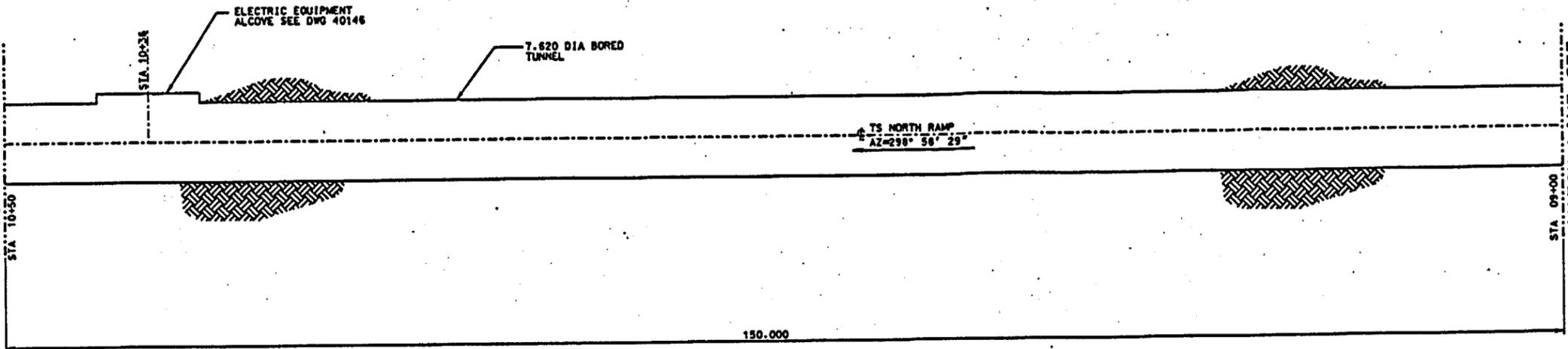
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00	7-7-94	APPROVED BUT NOT ISSUED	W	W	W	W	7-7-94	APPROVED BUT NOT ISSUED	W	W	W	W	7-7-94	APPROVED BUT NOT ISSUED

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00	7-7-94	APPROVED BUT NOT ISSUED	W	W	W	W	7-7-94	APPROVED BUT NOT ISSUED	W	W	W	W	7-7-94	APPROVED BUT NOT ISSUED

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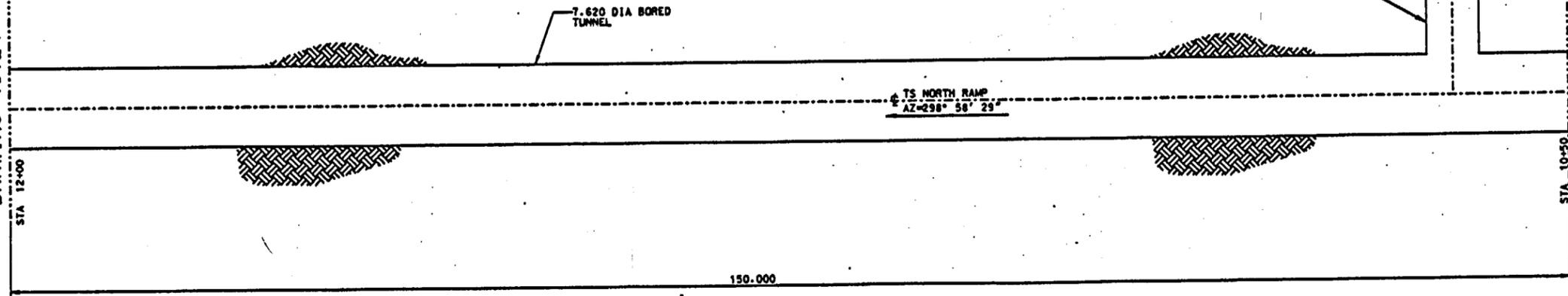
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DRAWING 40122
STA 09+00



PLAN STA 09+00 TO STA 10+50
SCALE 1:250

MATCH LINE SEE
DRAWING 40124
STA 12+00

MATCH LINE ABOVE
STA 10+50



PLAN STA 10+50 TO STA 12+00
SCALE 1:250

- NOTES:**
1. ALL DISTANCES (INCLUDING STATIONING) SHOWN ON THIS DRAWING OR DERIVED FROM PLANE COORDINATES SHOWN ON THE DRAWING ARE GRID DISTANCES ON THE NEVADA STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (NAD 27). TO OBTAIN APPROXIMATE GROUND DISTANCES, DIVIDE GRID DISTANCES BY 0.999732.
 2. COORDINATES, ELEVATIONS, DIMENSIONS, AND STATIONING ARE SHOWN IN METERS, UNLESS OTHERWISE NOTED. METRIC VALUES ARE ROUNDED TO THREE DECIMAL PLACES. WHERE DISCREPANCIES BETWEEN ELEVATIONS & GRADIENTS OCCUR DUE TO ROUNDING, ELEVATIONS WILL GOVERN.
 3. ALL METRIC COORDINATES ARE BASED ON AN INITIAL CONVERSION OF THE NORTH PORTAL COORDINATES FROM FEET TO METERS, USING A CONVERSION FACTOR OF 0.30480061.
 4. REFER TO TABLE ON DRAWING 40100 FOR BOREHOLE INFORMATION.
 5. ALCOVE LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE FIELD DETERMINED.
 6. THE TS NORTH RAMP IS CLASSIFIED AS OA-1 BECAUSE OF ITS POTENTIAL TO PROVIDE A TRANSPORT PATH FOR WASTE EMPLACEMENT AND A PATH FOR VENTILATION AND/OR INSTRUMENTATION AND CONTROL EQUIPMENT WITH POTENTIAL IRS (OA-1) SIGNIFICANCE. IT IS CLASSIFIED AS OA-2 BY DIRECT INCLUSION TO ACCOUNT FOR THE POTENTIAL IMPORTANCE OF THE RAMP IN ESTABLISHING REPOSITORY SEALS. OA CONTROLS ARE APPLIED IN A/E SPECIFICATION SECTIONS TO SATISFY ESF REQUIREMENTS ASSOCIATED WITH THESE CLASSIFICATIONS. TUNNEL ALIGNMENT AND GRADE ARE SUBJECT TO OA CONTROLS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION SECTION 01501.
 7. ANY BOREHOLE INFORMATION, GEOLOGICAL INFORMATION, OR FAULT TRACE INFORMATION SHOWN IS FOR REFERENCE PURPOSES ONLY AND IS NEITHER DESIGN INPUT OR PART OF THE DESIGN.

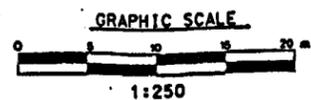
ANSTEC
APERTURE
CARD

9501130285-04

FIRST SUBMITTAL DOCUMENT AND RECORDS CENTER
FOR DRAWING INDEX SEE DRAWING 39002

NOTICE OF OPEN CHANGE DOCUMENTS		
THIS DOCUMENT IS IMPACTED BY THE STATE CHANGE DOCUMENT AND SHALL BE USED WITHOUT THEM		
CHANGE DOCUMENT NUMBER	POSTED BY	DATE

DESIGN INPUTS
SEE DRAWING INPUTS LIST



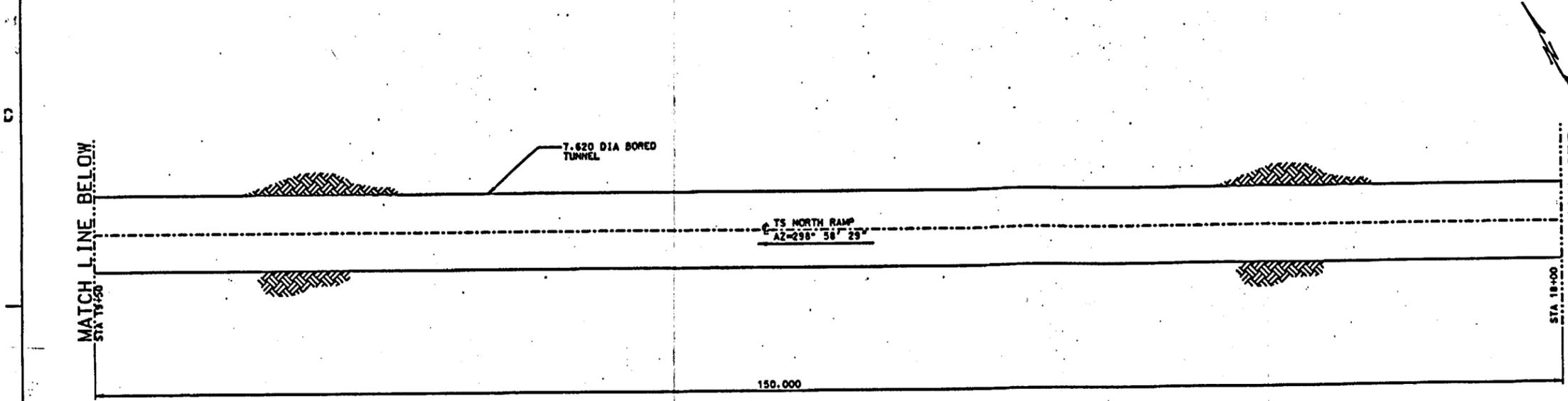
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ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE NOTED

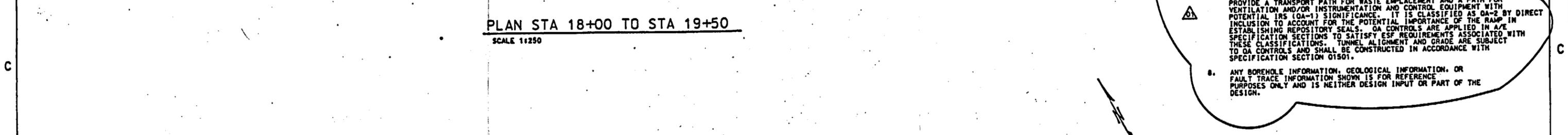
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					J. TAIPALE	JNT	7-7-94
					J. WILLIS	FCA	7-7-94
					J. NAUF	JNA	7-7-94

U.S. DEPARTMENT OF ENERGY
Yucca Mountain Site Characterization Project
M&O Civilian Radioactive Waste Management System
MANAGEMENT & OPERATING CONTRACTOR
EXPLORATORY STUDIES FACILITY PACKAGE 2C
TS NORTH RAMP
EXCAVATION LAYOUT
PLAN - SHEET 4 OF 10

SCALE: 1:250
NOTED
MINE: 40123.DGN

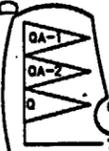


PLAN STA 18+00 TO STA 19+50
SCALE 1:250



PLAN STA 19+50 TO STA 21+00
SCALE 1:250

- NOTES:**
1. ALL DISTANCES (INCLUDING STATIONING) SHOWN ON THIS DRAWING OR DERIVED FROM PLANE COORDINATES SHOWN ON THE DRAWING ARE GRID DISTANCES ON THE NEVADA STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (NAD 27). TO OBTAIN APPROXIMATE GROUND DISTANCES, DIVIDE GRID DISTANCES BY 0.999732.
 2. COORDINATES, ELEVATIONS, DIMENSIONS, AND STATIONING ARE SHOWN IN METERS. UNLESS OTHERWISE NOTED, METRIC VALUES ARE ROUNDED TO THREE DECIMAL PLACES. WHERE DISCREPANCIES BETWEEN ELEVATIONS & GRADIENTS OCCUR DUE TO ROUNDING, ELEVATIONS WILL GOVERN.
 3. ALL METRIC COORDINATES ARE BASED ON AN INITIAL CONVERSION OF THE NORTH PORTAL COORDINATES FROM FEET TO METERS, USING A CONVERSION FACTOR OF 0.30480061.
 4. REFER TO TABLE ON DRAWING 40100 FOR BOREHOLE INFORMATION.
 5. FAULT TRACE LOCATIONS SHOWN ON NORTH RAMP PLAN, EXCEPT FOR THE BOW RIDGE FAULT, ARE APPROXIMATIONS BASED ON AT-DEPTH PROJECTIONS OF INFORMATION FROM USGS OPEN FILE REPORT 84-494. PRELIMINARY GEOLOGIC MAP AND SECTIONS, BY SCOTT AND BONK (SEE BC000000-01717-0200-0002 REV 00, SURFACE FAULT TRACES PROJECTED TO REPOSITORY HORIZON). THE BOW RIDGE FAULT TRACE IS AN AT-DEPTH PROJECTION BASED ON FIELD WORK FROM ON-GOING ROCK AND SOIL INVESTIGATIONS (REFERENCE SNL DWG NO. 88-60-09, REV 3, DATED 4-20-84 TDIF # 303193).
 6. ALCOVE LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE FIELD DETERMINED.
 7. THE TS NORTH RAMP IS CLASSIFIED AS OA-1 BECAUSE OF ITS POTENTIAL TO PROVIDE A TRANSPORT PATH FOR WASTE EMPLACEMENT AND A PATH FOR POTENTIAL IRS (OA-1) SIGNIFICANCE. IT IS CLASSIFIED AS OA-2 BY DIRECT INCLUSION TO ACCOUNT FOR THE POTENTIAL IMPORTANCE OF THE RAMP IN ESTABLISHING REPOSITORY SEALS. OA CONTROLS ARE APPLIED IN A/E SPECIFICATION SECTIONS TO SATISFY ESF REQUIREMENTS ASSOCIATED WITH THESE CLASSIFICATIONS. TUNNEL ALIGNMENT AND GRADE ARE SUBJECT TO OA CONTROLS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION SECTION 01501.
 8. ANY BOREHOLE INFORMATION, GEOLOGICAL INFORMATION, OR FAULT TRACE INFORMATION SHOWN IS FOR REFERENCE PURPOSES ONLY AND IS NEITHER DESIGN INPUT OR PART OF THE DESIGN.



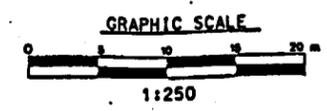
ANSTEC
APERTURE
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9501130285-07
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FOR DRAWING INDEX SEE DRAWING 39002

CHANGE NUMBER	ISSUED BY	DATE	STATUS

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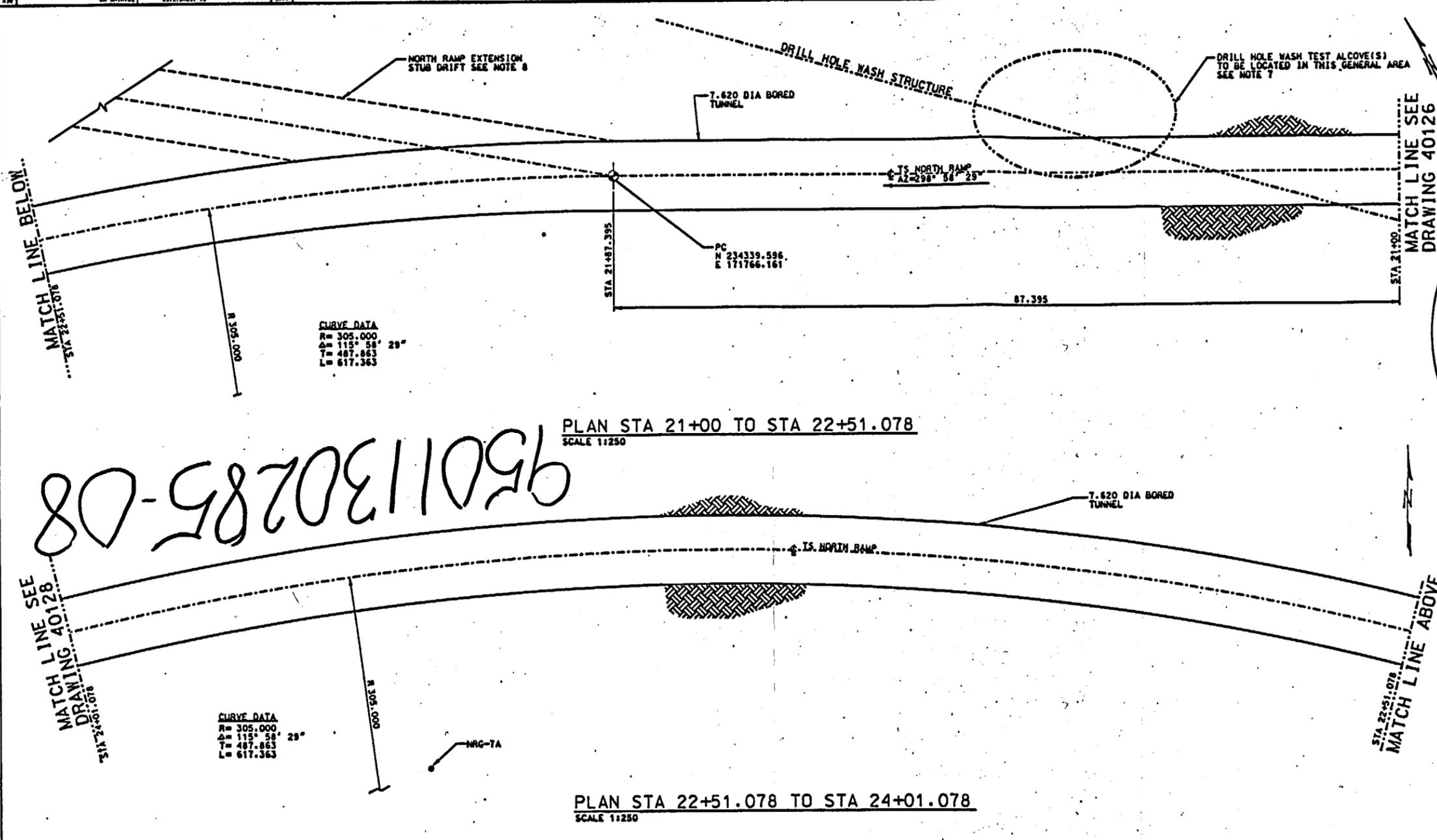
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By: [Signature] Date: 9/24/94

ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE NOTED

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U.S. DEPARTMENT OF ENERGY
Yucca Mountain Site Characterisation Project
M&O Civilian Radioactive Waste Management System
MANAGEMENT & OPERATING CONTRACTOR
EXPLORATORY STUDIES FACILITY PACKAGE 2C
TS NORTH RAMP
EXCAVATION LAYOUT
PLAN - SHEET 7 OF 10

SIZE: D
DOCUMENT IDENTIFIER: BABEAD000-01717-2100-40126-01
SCALE: 1:250
DATE: JUN 7-7-94
NOTED: [Signature]



- NOTES:**
- ALL DISTANCES (INCLUDING STATIONING) SHOWN ON THIS DRAWING OR DERIVED FROM PLANE COORDINATES SHOWN ON THE DRAWING ARE GRID DISTANCES ON THE NEVADA STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (NAD 27). TO OBTAIN APPROXIMATE GROUND DISTANCES, DIVIDE GRID DISTANCES BY 0.999732.
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 - REFER TO TABLE ON DRAWING 40100 FOR BOREHOLE INFORMATION.
 - FAULT TRACE LOCATIONS SHOWN ON NORTH RAMP PLAN, EXCEPT FOR THE BOY RIDGE FAULT, ARE APPROXIMATIONS BASED ON AT-DEPTH PROJECTIONS OF INFORMATION FROM USGS OPEN FILE REPORT 64-494. PRELIMINARY GEOLOGIC MAP AND SECTIONS, BY SCOTT AND BOKK (SEE 80000000-01717-0200-00002 REV 00, SURFACE FAULT TRACES PROJECTED TO REPOSITORY HORIZON). THE BOY RIDGE FAULT TRACE IS AN AT-DEPTH PROJECTION BASED ON FIELD WORK FROM ON-GOING ROCK AND SOIL INVESTIGATIONS (REFERENCE SNL DWS NO. 88-60-09, REV 5, DATED 4-20-94 TDIF # 303195).
 - ALCOVE LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE FIELD DETERMINED.
 - CONFIGURATION OF THE DRILL HOLE WASH TEST ALCOVE(S) WILL BE DETERMINED AFTER THE ALCOVE IS LOCATED. FINAL LOCATION WILL BE BASED ON GEOPHYROLOGIC DATA OBTAINED DURING RAMP CONSTRUCTION.
 - THE NORTH RAMP EXTENSION STUB DRIFT WILL PROVIDE AN AREA TO ASSEMBLE/LAUNCH A TBM. THE ACTUAL LOCATION IS DEPENDENT ON GROUND CONDITIONS AND WILL BE FIELD DETERMINED. THE STUB DRIFT WILL BE DESIGNED ONCE THE DRIFT IS LOCATED.
 - THE TS NORTH RAMP IS CLASSIFIED AS OA-1 BECAUSE OF ITS POTENTIAL TO PROVIDE A TRANSPORT PATH FOR WASTE EMPLACEMENT AND PATH FOR VENTILATION AND/OR INSTRUMENTATION AND CONTROL EQUIPMENT WITH POTENTIAL IRS (OA-1) SIGNIFICANCE. IT IS CLASSIFIED AS OA-2 BY DIRECT INCLUSION TO ACCOUNT FOR THE POTENTIAL IMPORTANCE OF THE RAMP IN ESTABLISHING REPOSITORY SEALS. OA CONTROLS ARE APPLIED IN A/E SPECIFICATION SECTIONS TO SATISFY ESF REQUIREMENTS ASSOCIATED WITH THESE CLASSIFICATIONS. TUNNEL ALIGNMENT AND GRADE ARE SUBJECT TO OA CONTROLS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION SECTION 01501.
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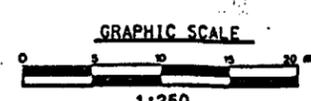
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APERTURE
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OCT 13 1994
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FOR DRAWING INDEX SEE DRAWING 39002

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DOE/TMP ACCEPTANCE FOR CONSTRUCTION
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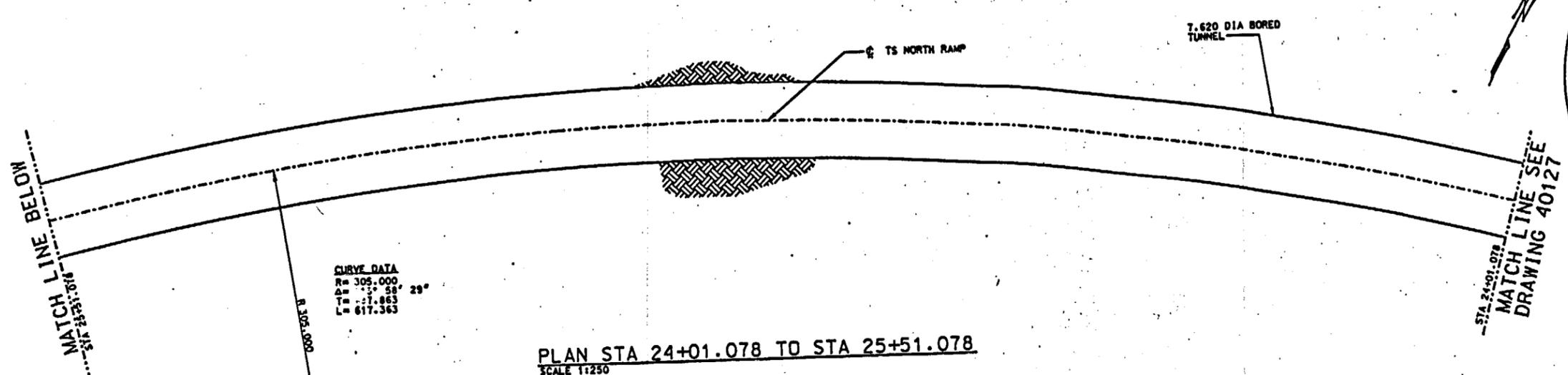
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											JMT 7-7-94
											FCA 7-7-94
											JLN 7-7-94

U.S. DEPARTMENT OF ENERGY
Yucca Mountain Site Characterization Project
M&O Children Radioactive Waste Management System
MANAGEMENT & OPERATING CONTRACTOR
EXPLORATORY STUDIES FACILITY PACKAGE 2C
TS NORTH RAMP
EXCAVATION LAYOUT
PLAN - SHEET 8 OF 10

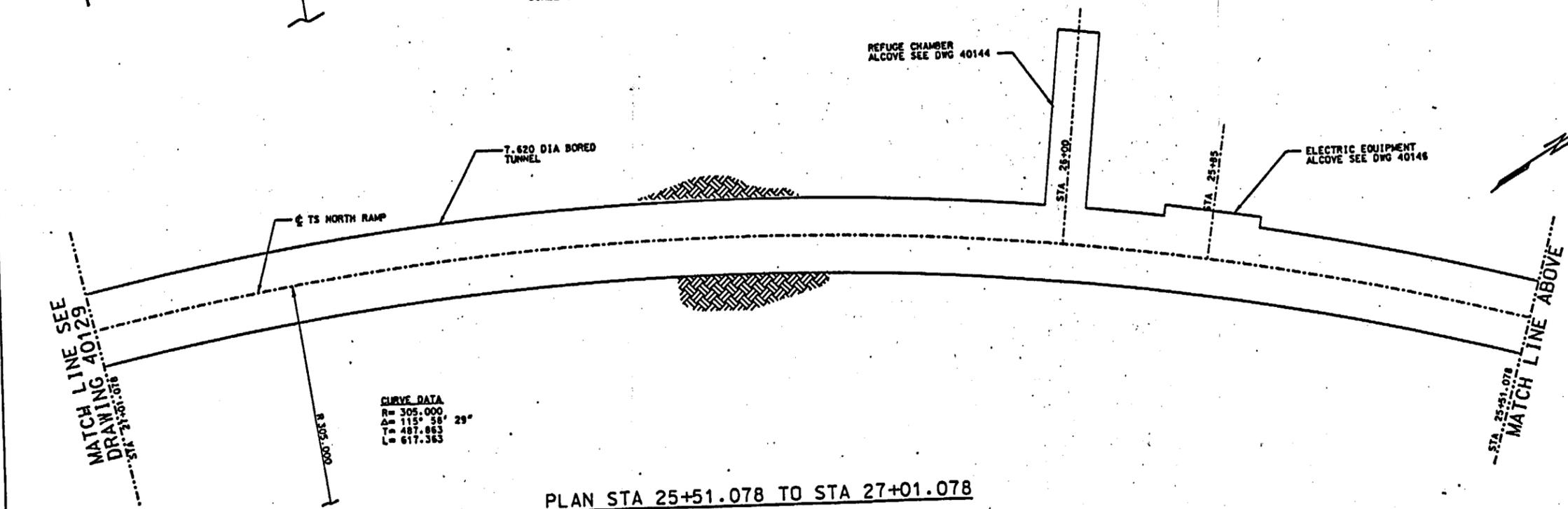
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ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE NOTED

- NOTES:**
1. ALL DISTANCES (INCLUDING STATIONING) SHOWN ON THIS DRAWING OR DERIVED FROM PLANE COORDINATES SHOWN ON THE DRAWING ARE GRID DISTANCES ON THE NEVADA STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (NAD 27). TO OBTAIN APPROXIMATE GROUND DISTANCES, DIVIDE GRID DISTANCES BY 0.999732.
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 4. REFER TO TABLE ON DRAWING 40100 FOR BOREHOLE INFORMATION.
 5. ALCOVE LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE FIELD DETERMINED.
 6. THE TS NORTH RAMP IS CLASSIFIED AS QA-1 BECAUSE OF ITS POTENTIAL TO PROVIDE A TRANSPORT PATH FOR WASTE EMPLACEMENT AND A PATH FOR VENTILATION AND/OR INSTRUMENTATION AND CONTROL EQUIPMENT WITH POTENTIAL IRS (QA-1) SIGNIFICANCE. IT IS CLASSIFIED AS QA-2 BY DIRECT INCLUSION TO ACCOUNT FOR THE POTENTIAL IMPORTANCE OF THE RAMP IN ESTABLISHING REPOSITORY SEALS. QA CONTROLS ARE APPLIED IN ALL SPECIFICATION SECTIONS TO SATISFY ESMF REQUIREMENTS ASSOCIATED WITH THESE CLASSIFICATIONS. TUNNEL ALIGNMENT AND GRADE ARE SUBJECT TO QA CONTROLS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION SECTION 01501.
 7. ANY BOREHOLE INFORMATION, GEOLOGICAL INFORMATION, OR FAULT TRACE INFORMATION SHOWN IS FOR REFERENCE PURPOSES ONLY AND IS NEITHER DESIGN INPUT OR PART OF THE DESIGN.



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SCALE 1:250



PLAN STA 25+51.078 TO STA 27+01.078
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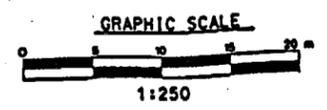
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THIS DOCUMENT IS IMPACTED BY THE LISTED CHANGE DOCUMENT AND SHOULD BE USED WITHOUT THEM			
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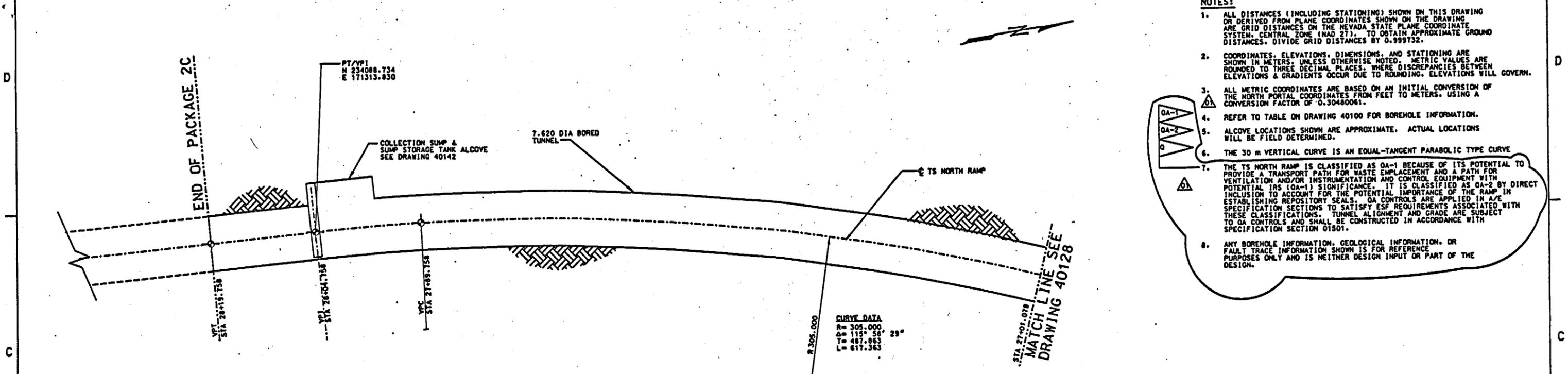


DOE/TMP ACCEPTANCE FOR CONSTRUCTION
By: *[Signature]* Date: *2/17/94*

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U.S. DEPARTMENT OF ENERGY
Yucca Mountain Site Characterization Project
M&O
EXPLORATORY STUDIES FACILITY PACKAGE 2C
TS NORTH RAMP
EXCAVATION LAYOUT
PLAN - SHEET 9 OF 10

DATE: 08/01/94



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 - REFER TO TABLE ON DRAWING 40100 FOR BOREHOLE INFORMATION.
 - ALCOVE LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE FIELD DETERMINED.
 - THE 30 m VERTICAL CURVE IS AN EQUAL-TANGENT PARABOLIC TYPE CURVE
 - THE TS NORTH RAMP IS CLASSIFIED AS OA-1 BECAUSE OF ITS POTENTIAL TO PROVIDE A TRANSPORT PATH FOR WASTE EMPLOYMENT AND A PATH FOR VENTILATION AND/OR INSTRUMENTATION AND CONTROL EQUIPMENT WITH POTENTIAL IRS (OA-1) SIGNIFICANCE. IT IS CLASSIFIED AS OA-2 BY DIRECT INCLUSION TO ACCOUNT FOR THE POTENTIAL IMPORTANCE OF THE RAMP IN ESTABLISHING REPOSITORY SEALS. OA CONTROLS ARE APPLIED IN A/E SPECIFICATION SECTIONS TO SATISFY ESF REQUIREMENTS ASSOCIATED WITH THESE CLASSIFICATIONS. TUNNEL ALIGNMENT AND GRADE ARE SUBJECT TO OA CONTROLS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION SECTION 01501.
 - ANY BOREHOLE INFORMATION, GEOLOGICAL INFORMATION, OR FAULT TRACE INFORMATION SHOWN IS FOR REFERENCE PURPOSES ONLY AND IS NEITHER DESIGN INPUT OR PART OF THE DESIGN.

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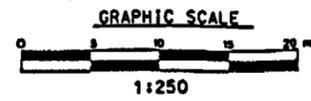
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THIS DOCUMENT IS IMPACTED BY THE LISTED CHANGE DOCUMENT AND SHOULD BE USED WITHOUT THEM				
CHANGE NUMBER	DOCUMENT NUMBER	POSTED BY	DATE	STATUS



DOC/TMP ACCEPTANCE FOR CONSTRUCTION
By *[Signature]* Date *10/12/94*

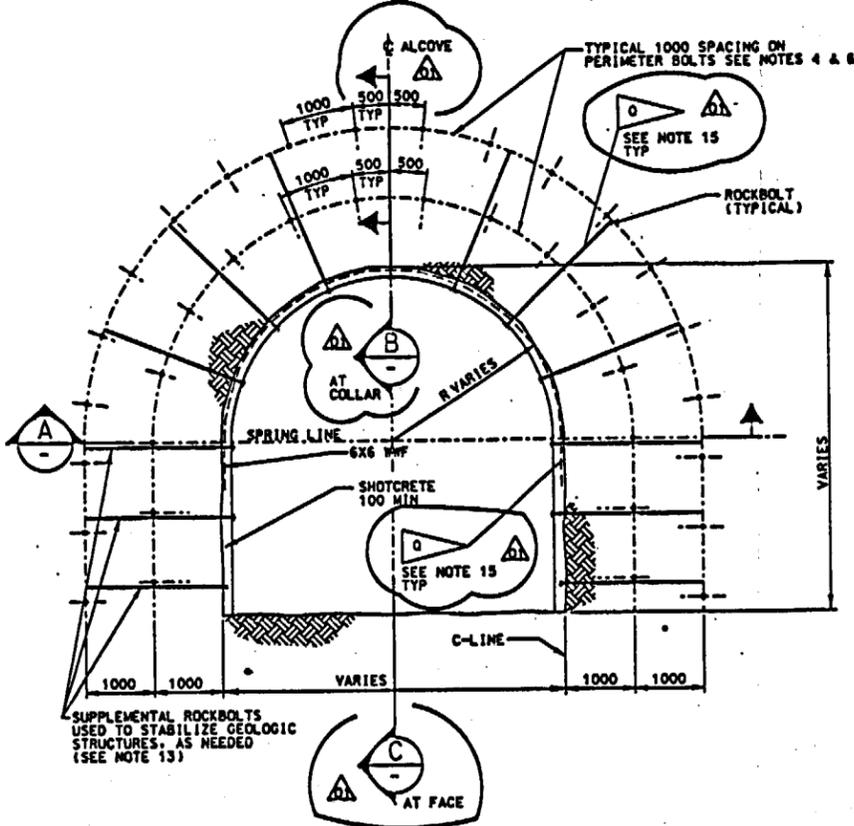
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APPROVALS	INITIAL/DATE
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DRIVER	W KENNEDY 7-7-94
CHECKER	C GARRETT 7-7-94
VERIFICATION	N/A
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QUALITY ASSURANCE	J WILLIS 7-7-94
DEPARTMENT MANAGER	J NAAP 7-7-94

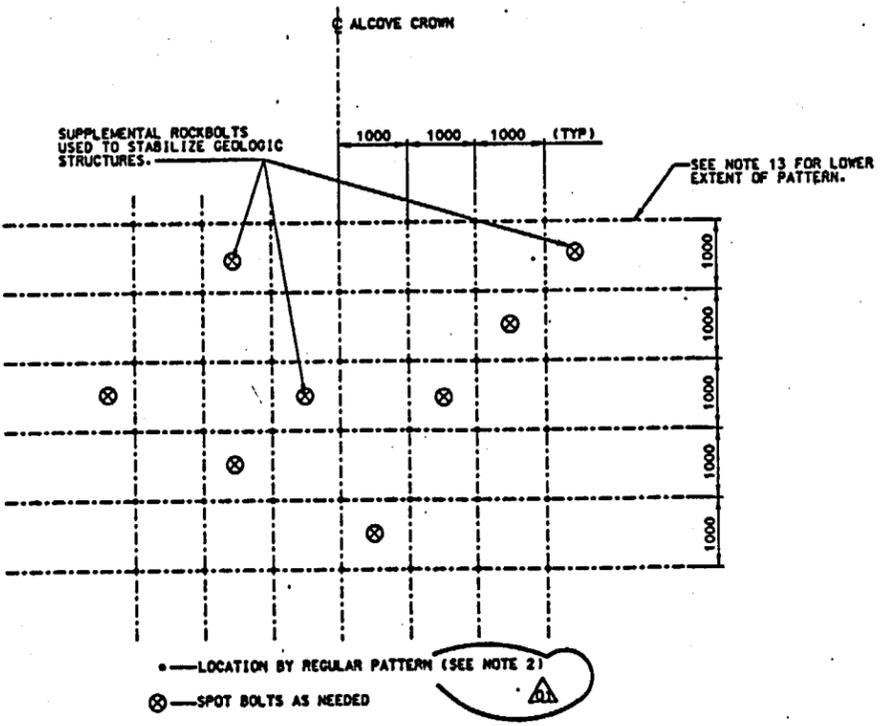
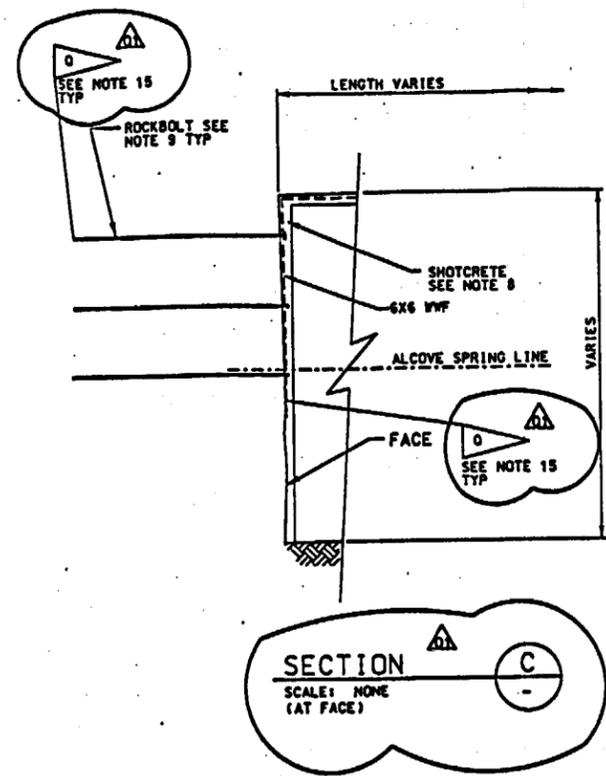
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EXCAVATION LAYOUT	
PLAN - SHEET 10 OF 10	

SCALE	NOTED (SEE NOTE 3)	SCALE	1:2.6
CAD FILE	MINE:40129.DGN		

ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE NOTED



TYPICAL TEST AND REFUGE ALCOVE CROSS SECTION
SCALE: NONE



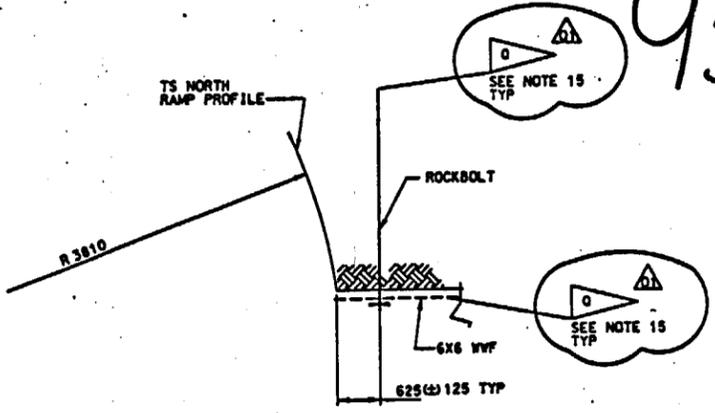
DEVELOPED ROCKBOLT LAYOUT TEST AND REFUGE ALCOVE
DEVELOPED SECTION
SCALE: NONE

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED

ALL DIMENSIONS SHOWN ARE NOMINAL UNLESS OTHERWISE NOTED

DOE/TMP ACCEPTANCE FOR CONSTRUCTION
By: *[Signature]* Date: 10/12/94

9501130285-12



SECTION B
SCALE: NONE (AT COLLAR)
NOTE: SHOTCRETE NOT SHOWN FOR CLARITY

- NOTES:
- GROUND SUPPORT SHALL BE INSTALLED IN COMPLIANCE WITH THE CONSTRUCTOR'S SAFETY AND CONSTRUCTION PROCEDURES AND IN ACCORDANCE WITH THE DESIGN DOCUMENTS.
 - BOLTING PATTERN IS NOMINAL - CONSTRUCTOR/A/E MAY ADJUST PATTERN LOCATION AND SPACING TO ADDRESS ROCK JOINTING AND OTHER GEOLOGIC STRUCTURES.
 - PRIOR TO THE DRILLING OF THE ALCOVE BLAST PATTERN, THE PERIMETER ROCKBOLTS OUTSIDE THE ALCOVE "C" LINE SHALL BE INSTALLED. GROUT IF USED (SEE NOTE 9), SHALL BE INSTALLED AT LEAST 72 HOURS PRIOR TO BLASTING.
 - THE PERIMETER ROCKBOLTS SHALL BE INSTALLED PARALLEL TO THE ALCOVE CENTERLINE AND HORIZONTAL WITH ALLOWABLE DEVIATION OF THE LOCATION OF THE BOTTOM OF THE HOLE EQUAL TO 5% OF THE LENGTH OF THE BOREHOLE.
 - UNLESS PERSONNEL SAFETY DICTATES OTHERWISE, THE RAMP GROUND SUPPORT SHALL NOT BE INSTALLED INSIDE THE ALCOVE "C" LINE AREA TO BE EXCAVATED.
 - THE LOCATION OF THE ROCKBOLTS INSIDE THE ALCOVE MAY BE ADJUSTED BY THE CONSTRUCTOR IN THE FIELD TO ACCOMMODATE EQUIPMENT AND TO ELIMINATE INTERFERENCE WITH PREVIOUSLY INSTALLED ROCKBOLTS.
 - PERIMETER ROCKBOLTS SHALL BE EITHER HOLLOW CORE WITH MECHANICAL ANCHOR OR SOLID BAR ROCKBOLTS. ROCKBOLTS INSIDE THE ALCOVE SHALL BE SUPER SWELLEX. (ALSO SEE NOTE 15)
 - THE CONSTRUCTOR SHALL COORDINATE WITH THE RESPONSIBLE PRINCIPAL INVESTIGATOR (PI) AND THE TEST COORDINATION OFFICE (TCO) PRIOR TO APPLICATION OF SHOTCRETE IN ANY OF THE TEST ALCOVES.
 - CEMENTITIOUS GROUTING, INCLUDING THAT USED IN GROUTED ROCKBOLTS, FOR THE FIRST TEN FEET OF THE TEST ALCOVES IS PROHIBITED WITHOUT TCO CONCURRENCE, AND IS PROHIBITED COMPLETELY BEYOND.
 - INSTALL ROCKBOLTS AND WWF AS REQUIRED TO ENSURE SAFE WORKING CONDITIONS. SHOTCRETE MAY BE APPLIED WHEN GROUND CONDITIONS AND OVERBREAK DICTATE ITS USE FOR PERSONNEL SAFETY. (SEE NOTE 8)
 - SHOTCRETE SHALL BE APPLIED A NOMINAL 150 TO 100 MINIMUM THICKNESS. A REASONABLY SMOOTH ROLLING SURFACE PERIMETER SHOULD BE ACHIEVED AND SEVERE INDENTATIONS AND HOLLOW FILLS TO PROMOTE A BETTER STRUCTURAL CONFIGURATION. THESE HOLLOW FILLS AND RECESSES MAY EXCEED THE 150 SHOTCRETE THICKNESS. (SEE NOTE 8)
 - PATTERN GROUTED ROCKBOLTS AND FINAL SHOTCRETE COAT(S) MAY BE APPLIED OVER SHOTCRETE PREVIOUSLY INSTALLED FOR SAFETY.
 - INSTALL ADDITIONAL ROCKBOLTS AS NEEDED TO STABILIZE GEOLOGIC STRUCTURES. BOLTS MAY BE EXTENDED DOWN RIB.
 - ROCKBOLTS SHALL BE MIN 2000 NOMINAL LENGTH. ADJUSTMENTS TO ROCKBOLT LENGTH MAY BE MADE BASED ON FIELD CONDITIONS AND SPAN OF ALCOVE WITH A/E ACCEPTANCE. PERIMETER ROCKBOLTS INSTALLED FROM THE TS NORTH RAMP SHALL BE 3000 LENGTH.
 - SUPER SWELLEX ROCKBOLTS, WWF AND PINS ARE SUBJECT TO QA CONTROLS PER SPEC. SECTION 02165, BUT ARE NOT CLASSIFIED QA-1 OR QA-5.

TBY-193 SEISMIC DESIGN VALUES NEED TO BE VERIFIED
TBY-198 GROUND SUPPORT SYSTEM IN ALCOVES NEEDS TO BE VERIFIED
TBY-192 100 YEAR MAINTAINABLE LIFE NEEDS TO BE VERIFIED
TBD-147 THERMALLY INDUCED STRESSES HAVE YET TO BE DETERMINED
TBY-011 RMR VALUES NEED TO BE VERIFIED

FOR DRAWING INDEX SEE DRAWING 39002

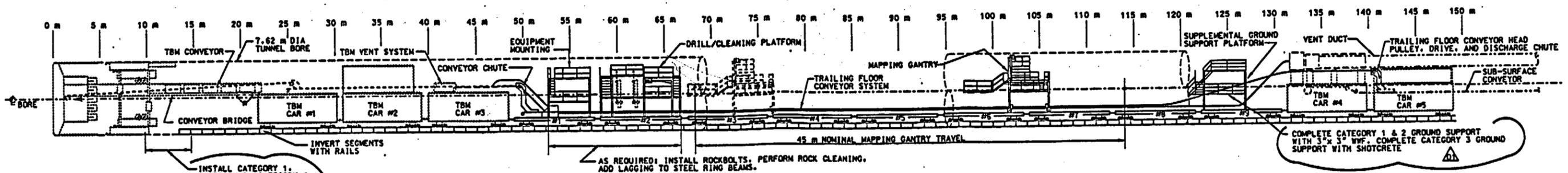
ANSTEC APERTURE CARD

DESIGN INPUTS
SEE DRAWING INPUTS LIST

CHANGE NUMBER	DESCRIPTION	DATE	STATUS

NO.	DATE	BY	DESCRIPTION	APPROVALS	INITIAL/DATE
01	ISSUED FOR CONSTRUCTION	10-11-94		J M HERRERA	JMH 7-14-94
00	APPROVED BUT NOT ISSUED	7-27-94		J REIFER	JRK 7-14-94
				R SKORSETH	RSS FOR 7-14-94
				S BAILEY	SOB 7-18-94
				J TAIPALE	JMT 7-14-94
				J WILLIS	JWJ 7-19-94
				J NAAF	JN 7-27-94

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M&O Civilian Radioactive Waste Management System
MANAGEMENT & OPERATING CONTRACTOR
EXPLORATORY STUDIES FACILITY PACKAGE 2C
TS NORTH RAMP ALCOVES
ROCKBOLTS & SHOTCRETE
SECTIONS



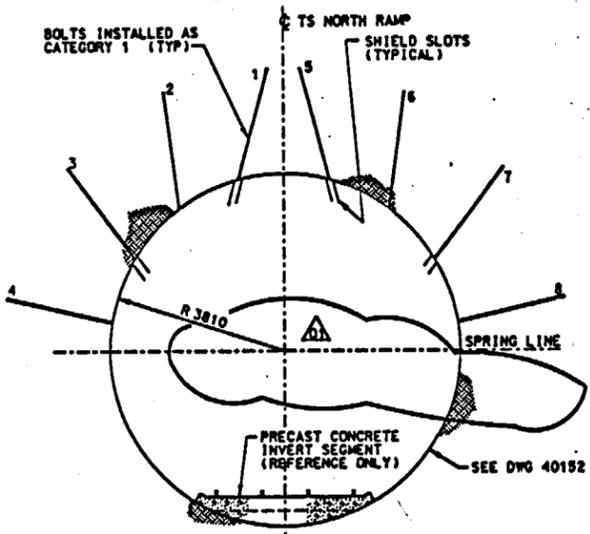
INSTALL CATEGORY 1, CATEGORY 2, CATEGORY 4, AND CATEGORY 5 GROUND SUPPORT, AS APPLICABLE

AS REQUIRED, INSTALL ROCKBOLTS, PERFORM ROCK CLEANING, ADD LAGGING TO STEEL RING BEAMS.

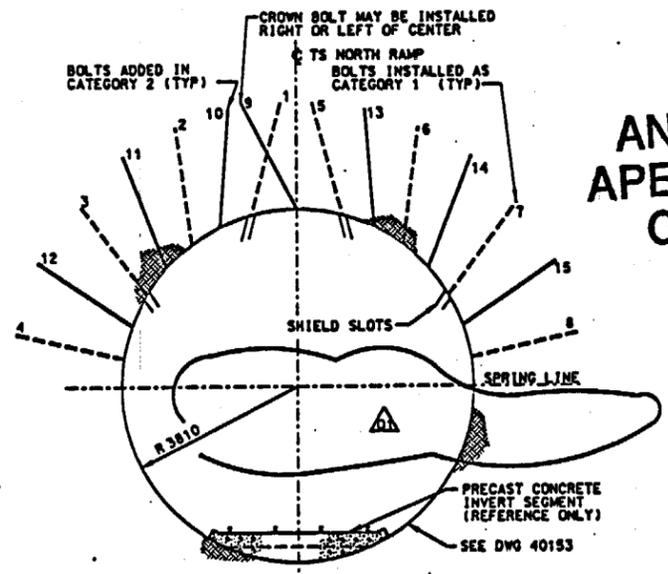
COMPLETE CATEGORY 1 & 2 GROUND SUPPORT WITH 3" x 3" WWF. COMPLETE CATEGORY 3 GROUND SUPPORT WITH SHOTCRETE

ELEVATION SCALE: NONE (FOR REFERENCE ONLY)

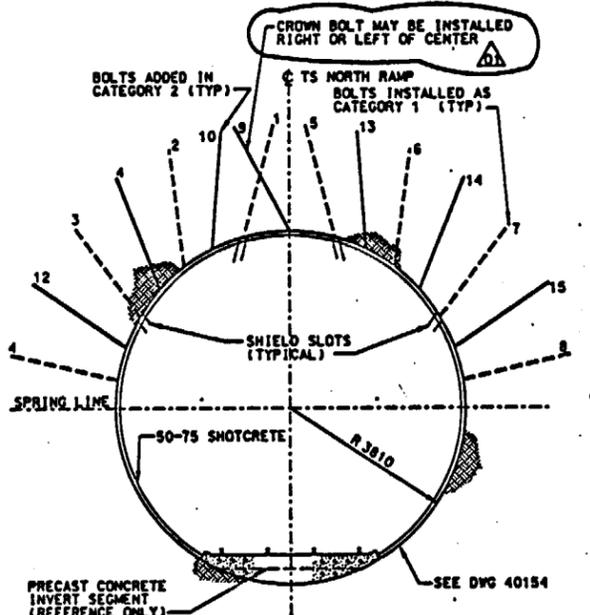
ANSTEC APERTURE CARD



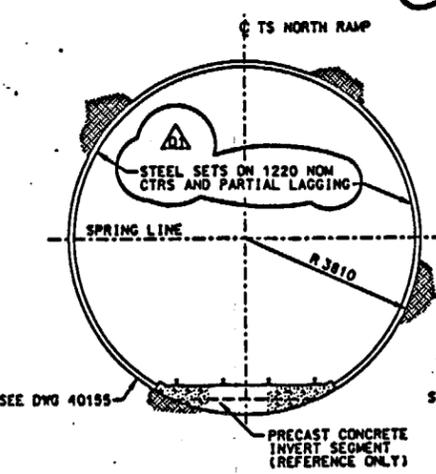
CATEGORY 1 GROUND SUPPORT SCALE: 1:175 (REFERENCE ONLY)



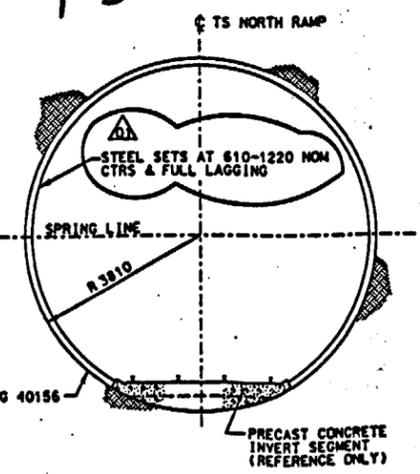
CATEGORY 2 GROUND SUPPORT SCALE: 1:175 (REFERENCE ONLY)



CATEGORY 3 GROUND SUPPORT SCALE: 1:175 (REFERENCE ONLY)



CATEGORY 4 GROUND SUPPORT SCALE: 1:175 (REFERENCE ONLY)



CATEGORY 5 GROUND SUPPORT SCALE: 1:175 (REFERENCE ONLY)

9501130285-15

CONDITIONAL FACTORS		GROUND SUPPORT CATEGORIES	
0 10-30 GOOD	R00	JR	CATEGORY 1 GROUND SUPPORT (REFER TO DRAWING 40152) ROCKBOLTS WITH 3" x 3" WWF.
	J0	21.5	
0 5-5-10 FAIR	R00	JR	CATEGORY 1 GROUND SUPPORT (REFER TO DRAWING 40152) ROCKBOLTS WITH 3" x 3" WWF. SUPPLEMENT WITH SPOT BOLTING.
	J0	21.5	
0 4.0-5.5 FAIR	R00	JR	CATEGORY 1 GROUND SUPPORT (REFER TO DRAWING 40152) ROCKBOLTS WITH 3" x 3" WWF. SUPPLEMENT WITH SPOT BOLTING UP TO CATEGORY 2 BOLT DENSITY.
	J0	21.5	
0 1.0-4.0 POOR	R00	JR	CATEGORY 3 GROUND SUPPORT (REFER TO DRAWING 40154) CATEGORY 1 ROCKBOLTS SUPPLEMENT WITH SPOT BOLTING UP TO CATEGORY 2 BOLT DENSITY. OMIT INSTALLATION OF 3" x 3" WWF. APPLY 50-75 SHOTCRETE WITH 100-150 IN LOCALIZED SPALLING & FALLOUT AREAS
	J0	21.0	
0 0.4-1.0 VERY POOR	R00	JR	CATEGORY 2 GROUND SUPPORT (REFER TO DRAWING 40153) CATEGORY 2 ROCKBOLTS AND 3" x 3" WWF.
	J0	21.0	
0 0.1-0.4 VERY POOR	R00	JR	CATEGORY 3 GROUND SUPPORT (REFER TO DRAWING 40154) CATEGORY 2 ROCKBOLTS OMIT INSTALLATION OF 3" x 3" WWF. APPLY 50-75 SHOTCRETE WITH 100-150 IN LOCALIZED SPALLING & FALLOUT AREAS
	J0	21.5	
0 0.08-0.1 EXTREMELY POOR	R00	JR	CATEGORY 4 (REFER TO DRAWING 40155) INSTALL STEEL SETS AT 1220 OC WITH PARTIAL LAGGING.
	J0	20.25	
0 0.08-0.1 EXTREMELY POOR	R00	JR	CATEGORY 3 GROUND SUPPORT (REFER TO DRAWING 40154) CATEGORY 2 ROCKBOLTS OMIT THE INSTALLATION OF PINS AND 3" x 3" WWF. APPLY 50-75 SHOTCRETE WITH 100-150 IN LOCALIZED SPALLING & FALLOUT AREAS.
	J0	20.25	
0 0.08-0.1 EXTREMELY POOR	R00	JR	CATEGORY 5 (REFER TO DRAWING 40156) INSTALL STEEL SETS AT 610-1220 OC WITH FULL LAGGING.
	J0	20.25	

NOTES:

- THE ESF NORTH RAMP GROUND SUPPORT GUIDELINES ARE ESTIMATES BASED UPON PROJECTED INFORMATION AND APPLY TO THE EXPECTED "NORMAL" CONDITIONS. THE DECISION ON SUPPORT CATEGORY INSTALLED SHALL BE BASED UPON OBSERVATION OF ACTUAL CONDITIONS, INCLUDING LOCAL "OFF-NORMAL" OR "ANOMALOUS" CONDITIONS, AND MAY VARY FROM THE SUPPORT GUIDELINES. SEE SPEC SECTION 01501.
- ELEVATION ILLUSTRATING CONSTRUCTION IS FOR GENERAL INFORMATION ONLY SEE OTHER DRAWINGS FOR INDIVIDUAL GROUND SUPPORT CATEGORIES AND DETAILS. ACTUAL CONSTRUCTION SEQUENCE MAY BE ADJUSTED, AS APPROVED TO MEET FIELD CONDITIONS.

- TBV-193 SEISMIC DESIGN VALUES NEED TO BE VERIFIED
- TBV-011 RMR VALUES NEED TO BE VERIFIED
- TBV-192 100 YEAR MAINTAINABLE LIFE NEEDS TO BE VERIFIED
- TBV-147 THERMALLY INDUCED STRESSES HAVE YET TO BE DETERMINED

DESIGN INPUTS SEE DRAWING INPUTS LIST

FIRST SUBMITTAL
OCT 13 1994
FOR DRAWING INDEX SEE DRAWING 39002

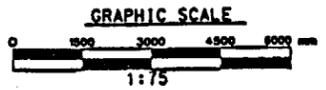
CHANGE NUMBER	DESCRIPTION	POSTED BY	DATE	STATUS

U.S. DEPARTMENT OF ENERGY
Yucca Mountain Site Characterisation Project
M&C
EXPLORATORY STUDIES FACILITY PACKAGE 2C
TS NORTH RAMP
GROUND SUPPORT MASTER
ELEVATION AND SECTIONS

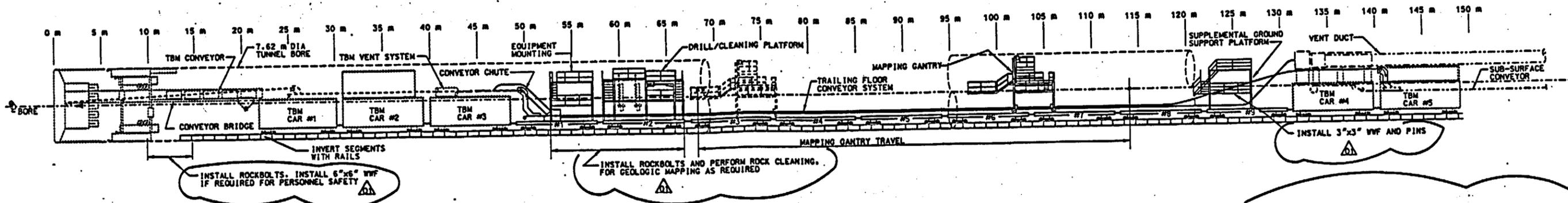
NO.	DESCRIPTION	DATE	BY	CHKD BY	APP'D BY
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00	APPROVED BUT NOT ISSUED	7-27-94	JMK	RSS	JMK

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED

ALL DIMENSIONS SHOWN ARE NOMINAL UNLESS OTHERWISE NOTED

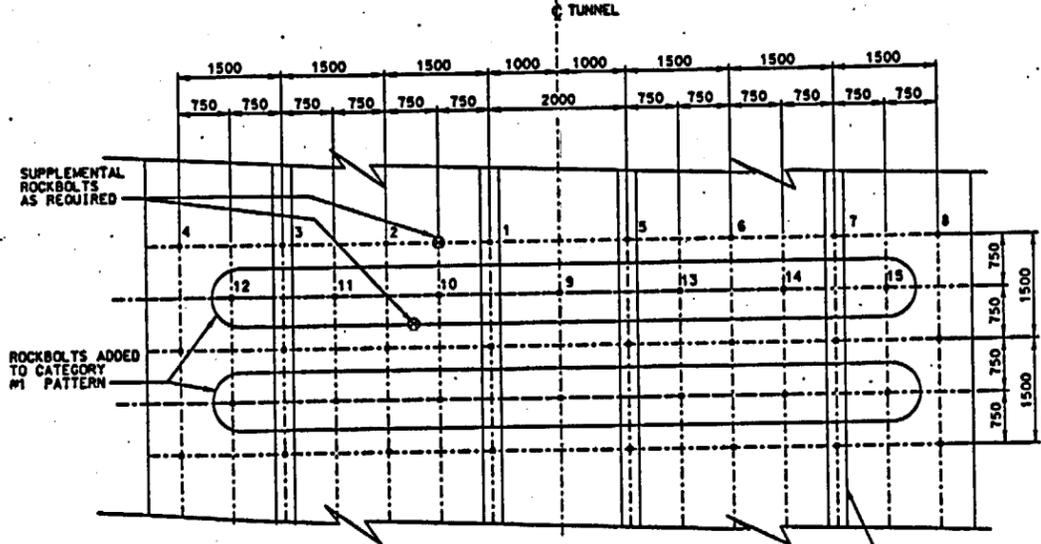


DOE/NMP ACCEPTANCE FOR CONSTRUCTION
By: [Signature] Date: 12/21/94



ELEVATION
SCALE: NONE
(FOR REFERENCE ONLY)

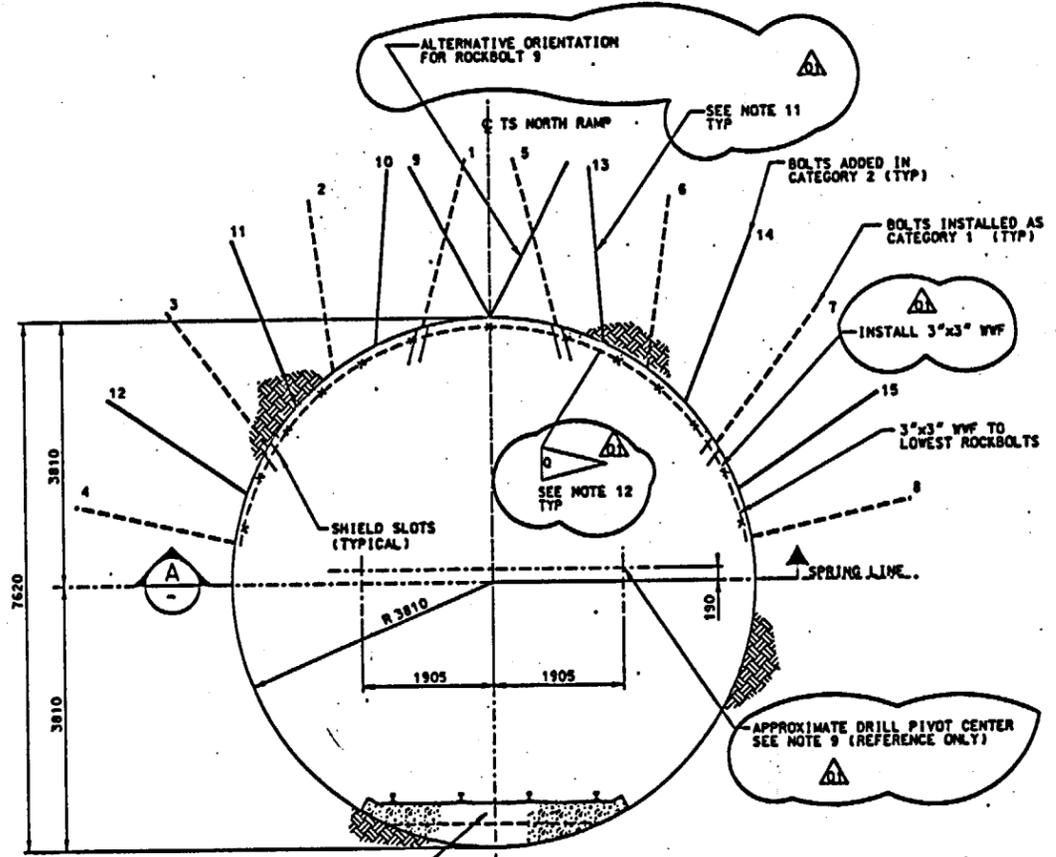
**ANSTEC
APERTURE
CARD**



NOTE: BOLT PATTERN SPACING IS APPROXIMATE. CONSTRUCTOR/A/E MAY ADJUST PATTERN AND/OR MAY ADD ROCKBOLTS TO ADDRESS ROCK JOINTING AND OTHER GEOLOGIC FEATURES.

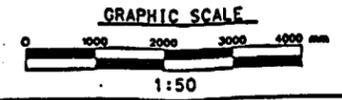
- NOTES:**
- INSTALL NOMINAL 3000 LENGTH ROCKBOLTS ON PATTERN AS SHOWN ON DEVELOPED SECTION A.
 - INSTALL ROCKBOLTS 1,2,3,5,6,7,9,10,11,13A,14 WITH TBM ROCK DRILLS. ROCKBOLTS 1,3,5 & 7 MAY BE INSTALLED THROUGH OR BEHIND TBM TAIL SHIELD. ROCKBOLTS 2 & 4 REQUIRE INSTALLATION BEHIND TAIL SHIELD. ROCKBOLT 9 MAY BE DEFERRED TO DRILLING/CLEANING PLATFORM IF TBM DRILL ORIENTATION LIMITS PRECLUDE INSTALLATION.
 - ROCKBOLTS 4,8,9,12 & 15 AND SUPPLEMENTAL ROCKBOLTS REQUIRE INSTALLATION AT DRILL/CLEANING PLATFORM. ROCKBOLT 9 MAY BE INSTALLED VERTICALLY OR ORIENTED TO EITHER SIDE WITHIN THE PRACTICAL LIMITS OF THE DRILLING EQUIPMENT.
 - CONSTRUCTOR MAY INSTALL 6" X 6" VWF AT TBM TAIL SHIELD IF REQUIRED FOR PERSONNEL SAFETY.
 - INSTALL SUPPLEMENTAL ROCKBOLT, WHERE GEOLOGICAL FEATURES ARE IDENTIFIED AS REQUIRING ADDITIONAL SUPPORT.
 - LOAD TEST ROCKBOLTS PER SPEC SECTION 02165
 - INSTALL 3" X 3" VWF WITH PINS AT SUPPLEMENTAL GROUND SUPPORT PLATFORM.
 - THE ROCKBOLT PATTERN LOCATIONS ARE NOMINAL AND MAY BE ADJUSTED OR SUPPLEMENTED BY THE CONSTRUCTOR IN THE FIELD, WHERE PRACTICAL, TO ADDRESS ROCK JOINTING AND OTHER GEOLOGICAL FEATURES. MINIMUM ROCKBOLT DENSITY SHALL BE 15 ROCKBOLTS PER 1500 OF TUNNEL LENGTH.
 - AS-BUILT POSITION OF DRILL PIVOT CENTER ON TBM MAY DIFFER, REQUIRING MINOR ADJUSTMENTS TO BOLT ORIENTATION AND SPACING TO FACILITATE HOLE DRILLING.
 - ELEVATION ILLUSTRATING CONSTRUCTION IS FOR GENERAL INFORMATION ONLY. ACTUAL CONSTRUCTION SEQUENCE MAY BE ADJUSTED, IF A/E APPROVED, TO MEET FIELD CONDITIONS.
 - IN ACCORDANCE WITH SPEC SECTION 02165, THE SUPER SWELLEX ROCKBOLT SYSTEM MAY BE USE IN PLACE OF THE GROUTED ROCKBOLTS WHERE THE GROUND CONDITIONS OR TEST INTERFERENCE REQUIREMENT PRECLUDE THE USE OF THE GROUTED ROCKBOLTS. (SEE NOTE 12)
 - SUPER SWELLEX ROCKBOLTS, VWF AND PINS ARE SUBJECT TO O. CONTROL PER SPEC. SECTION 02165, BUT ARE NOT CLASSIFIED AS QA-1 OR QA-5.

TBY-193 SEISMIC DESIGN VALUES NEED TO BE VERIFIED
 TBY-011 RMV VALUES NEED TO BE VERIFIED
 TBY-192 100 YEAR MAINTAINABLE LIFE NEEDS TO BE VERIFIED
 TBD-147 THERMALLY INDUCED STRESSES HAVE YET TO BE DETERMINED



TYPICAL TUNNEL CROSS SECTION-CATEGORY 2. GROUND SUPPORT
SCALE: 1:50

DEVELOPED SECTION
SCALE: 1:50



ALL DIMENSIONS SHOWN ARE NOMINAL UNLESS OTHERWISE NOTED

DOE/TMP ACCEPTANCE FOR CONSTRUCTION
 By: *[Signature]* Date: 10/12/94

950130285-17

REVISIONS: OCT 13 1994

FOR DRAWING INDEX SEE DRAWING 39002

NOTICE OF OPEN CHANGE DOCUMENTS

CHANGE NUMBER	POSTED BY	DATE	STATUS

DESIGN INPUTS
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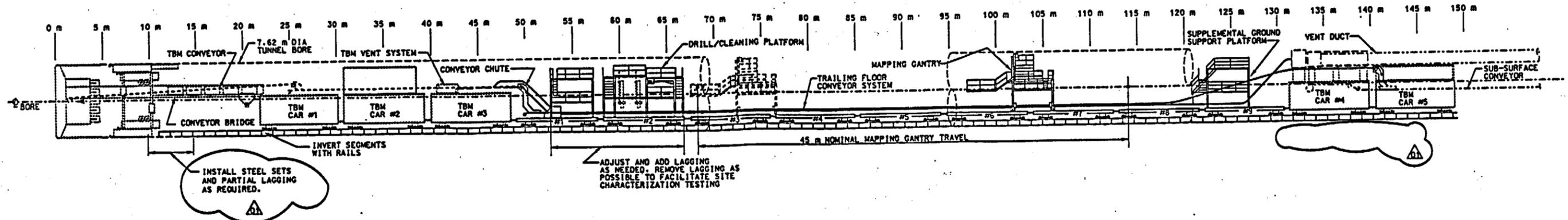
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02	7-27-94	JM	APPROVED BUT NOT ISSUED				

U.S. DEPARTMENT OF ENERGY
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 M&O Civilian Radioactive Waste Management System
 MANAGEMENT & OPERATING CONTRACTOR
 EXPLORATORY STUDIES FACILITY PACKAGE 2C
 TS NORTH RAMP
 GROUND SUPPORT CATEGORY 2
 ELEVATION AND SECTION

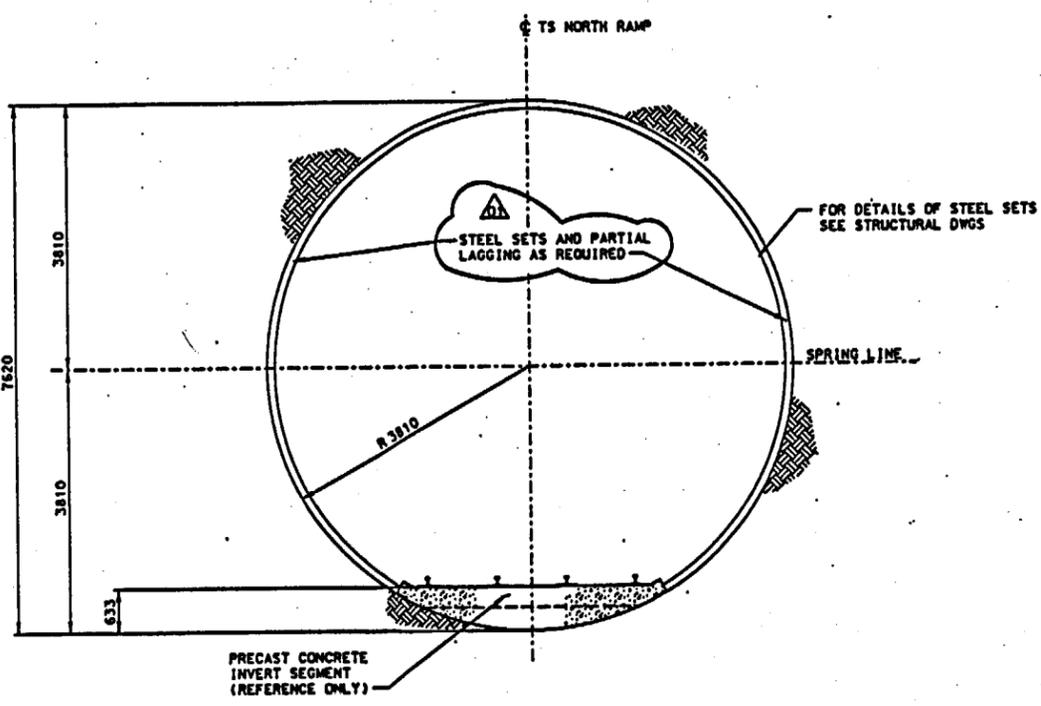
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 SHEET NO: 1.2.6
 CASE NO: 40153.DGN

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED



ELEVATION
SCALE: NONE
(FOR REFERENCE ONLY)

- NOTES:**
1. INSTALL STEEL SETS AT REAR TBM SHIELD AT NOMINAL 1220 OC.
 2. LAG PROFILE TO PROVIDE GROUND SUPPORT AS REQUIRED.
 3. ADJUST OR PARTIALLY REMOVE STEEL LAGGING AS POSSIBLE TO FACILITATE SITE CHARACTERIZATION TESTING.
 4. REINSTALL ANY LAGGING REMOVED AT CONCLUSION OF TESTING.
 5. ELEVATION ILLUSTRATING CONSTRUCTION IS FOR GENERAL INFORMATION ONLY. ACTUAL CONSTRUCTION SEQUENCE MAY BE ADJUSTED, IF APPROVED BY A/E, TO MEET FIELD CONDITIONS.



TYPICAL TUNNEL CROSS SECTION-CATEGORY 4. GROUND SUPPORT
SCALE: 1:50

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TBY-193 SEISMIC DESIGN VALUES NEED TO BE VERIFIED
TBY-011 RMR VALUES NEED TO BE VERIFIED
TBY-192 100 YEAR MAINTAINABLE LIFE NEEDS TO BE VERIFIED
TBD-147 THERMALLY INDUCED STRESSES HAVE YET TO BE DETERMINED

RECEIVED
OCT 13 1994
DOCUMENT AND RECORDS CENTER

FOR DRAWING INDEX SEE DRAWING 39002

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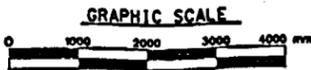
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FIRST SUBMITTAL

CHANGE NUMBER	POSTED BY	DATE	STATUS

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED

ALL DIMENSIONS SHOWN ARE NOMINAL UNLESS OTHERWISE NOTED



DOE/TMP ACCEPTANCE FOR CONSTRUCTION
By *[Signature]* Date *10/12/94*

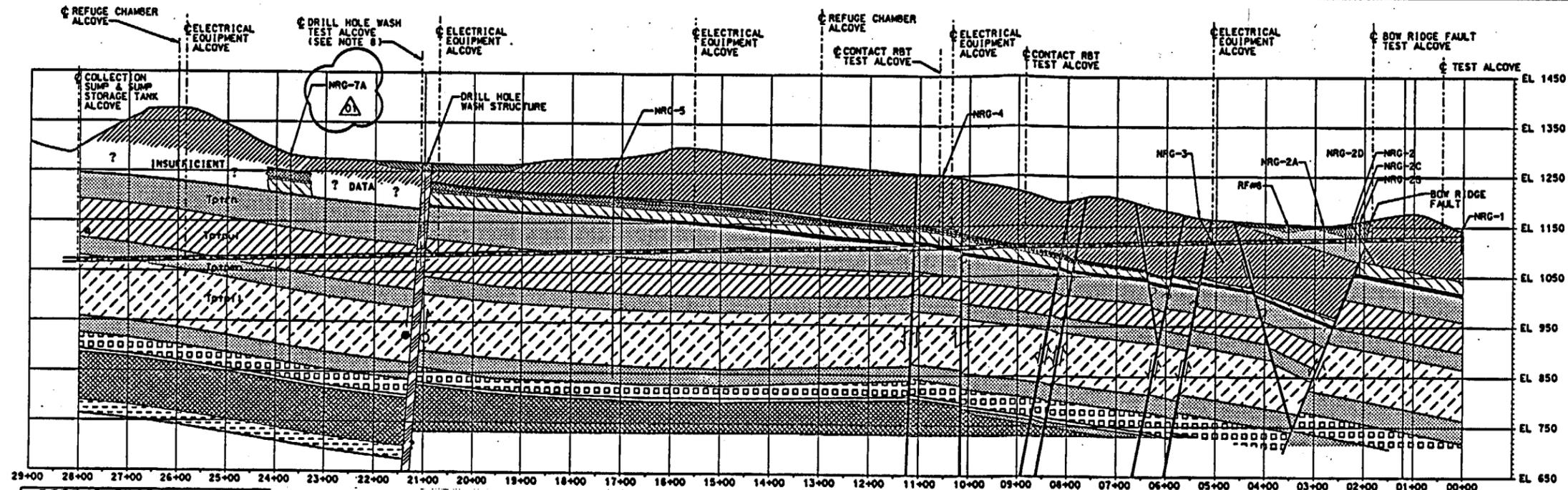
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00	APPROVED BUT NOT ISSUED	7-27-94	JWH	JWC	JJC	JMT	JWN
REV							

APPROVALS

NAME	INITIALS	DATE
J M HERRERA	JMH	7-12-94
J W KEIFER	JWK	7-12-94
R SKORSETH	RJS	7-12-94
S BAILEY	SBB	7-18-94
J TAIPALE	JTA	7-12-94
J WILLIS	JWL	7-13-94
J NAAP	JNA	7-27-94

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MANAGEMENT & OPERATING CONTRACTOR
EXPLORATORY STUDIES FACILITY PACKAGE 2C
TS NORTH RAMP
GROUND SUPPORT CATEGORY 4
ELEVATION AND SECTION

SCALE: 1:50
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MINE: 40155.DGN



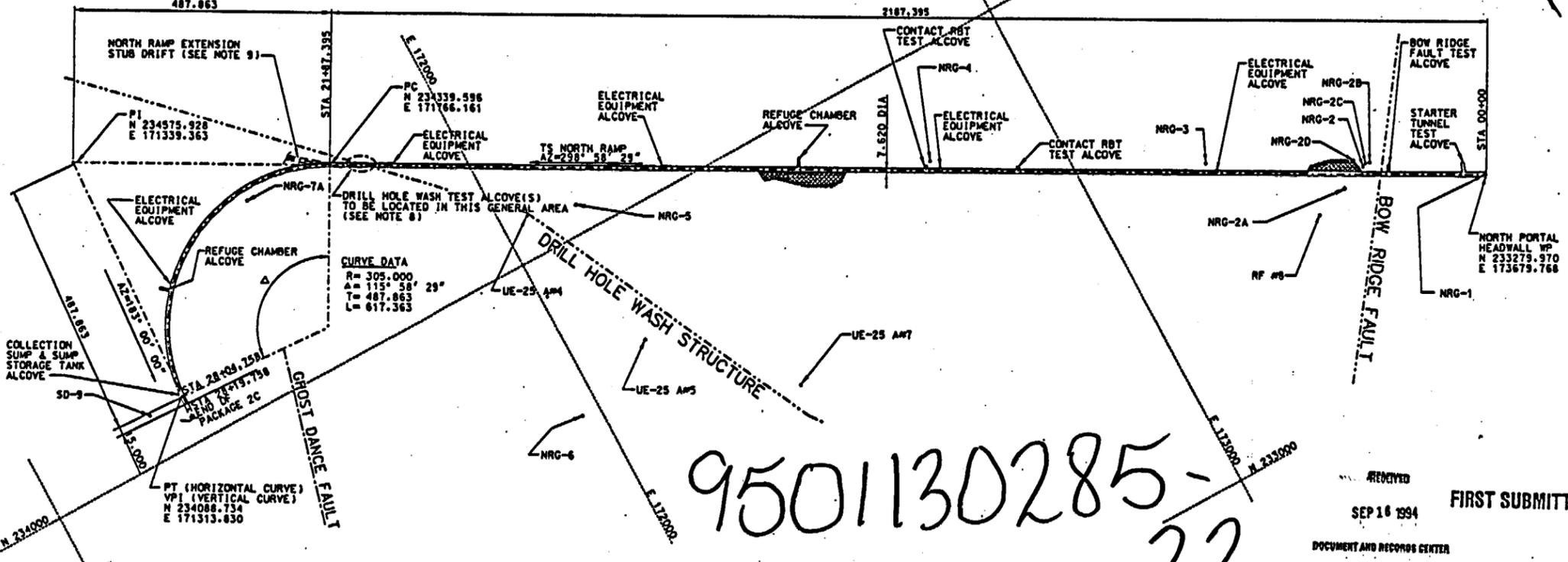
LEGEND			
FORMATION MEMBER	VALUES	MECHANICAL UNITS	
QUATERNARY	000: ALLUVIUM		
TIMBER MOUNTAIN TUFF	Tmr: RAINIER MESA TUFF Tbt11: PRE-RAINIER MESA TUFF BEDDED TUFF Tbt15: PRE-TUFF UNIT "X" BEDDED TUFF	UO	
TIVA CANYON	Tpt1: TIVA CANYON TUFF Tbt14: PRE-TIVA CANYON TUFF BEDDED TUFF	TCv	
YUCCA MTN.	Tpy1: YUCCA MOUNTAIN TUFF Tbt13: PRE-YUCCA MOUNTAIN TUFF BEDDED TUFF	PTn	
PAH CANYON	Tpp1: PAH CANYON TUFF Tbt12: PRE-PAH CANYON TUFF BEDDED TUFF		
PAINTBRUSH TUFF	Tptr1: CRYSTAL-RICH NONLITHOPHYSAL CRYSTAL-RICH VITRIC ZONE	TSv1	
	Tptr11: CRYSTAL-RICH AND CRYSTAL-POOR PARTS		
	Tptrm1: MIDDLE NONLITHOPHYSAL CRYSTAL-POOR	TSw2	
	Tptrl1: LOWER LITHOPHYSAL CRYSTAL-POOR		
TOPOPAH SPRING	Ttpt1: LOWER NONLITHOPHYSAL CRYSTAL-POOR Ttptv1: VITRIC VITROPHYRE AND NON WELDED SUBZONES Tbt11: PRE-TOPOPAH SPRING TUFF BEDDED TUFF	TSw3	
CALICO HILLS	Tcof: CALICO HILLS LAVA FLOW Tcob: CALICO HILLS BEDDED TUFF	CHv1	
CRATER FLAT TUFF	Tcp: PROW PASS TUFF	CHv3	PPw

BOREHOLE	PROJECTED TO SECTION ALONG AZIMUTH	GROUND ELEVATION (m)	DISTANCE AND DIRECTION TO SECTION (m)
NRG-1	2°	1144.05	0.0
NRG-2	2°	1157.23	15.2 SW
NRG-2A	2°	1152.31	30.85 NE
NRG-2B	2°	1156.67	24.05 SW
NRG-3	31°	1165.35	20.2 SW
NRG-4	31°	1249.62	18.52 SW
NRG-5	31°	1251.71	68.44 NE
NRG-7A	340°	1262.29	22.44 NW
RF#6	2°	1154.55	68.03 NE

NOTE: BOREHOLES PROJECTED INTO CROSS SECTION ALONG STRIKE OF ROCK UNITS

PROFILE OF TS NORTH RAMP
SCALE: 1:5000

ANSTEC APERTURE CARD



9501130285-22

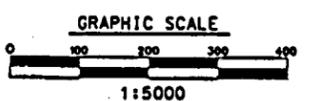
TS NORTH RAMP PLAN
SCALE: 1:5000

- NOTES:
- ALL DISTANCES (INCLUDING STATIONING) SHOWN ON THIS DRAWING OR DERIVED FROM PLANE COORDINATES SHOWN ON THE DRAWING ARE GRID DISTANCES ON THE NEVADA STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (NAD 27). TO OBTAIN APPROXIMATE GROUND DISTANCES, DIVIDE GRID DISTANCES BY 0.993732.
 - COORDINATES, ELEVATIONS, DIMENSIONS, AND STATIONING ARE SHOWN IN METERS, UNLESS OTHERWISE NOTED. METRIC VALUES ARE ROUNDED TO THREE DECIMAL PLACES WHERE DISCREPANCIES BETWEEN ELEVATIONS & GRADIENTS OCCUR DUE TO ROUNDING. ELEVATIONS WILL GOVERN.
 - ALL METRIC COORDINATES ARE BASED ON AN INITIAL CONVERSION OF THE NORTH PORTAL COORDINATES FROM FEET TO METERS, USING A CONVERSION FACTOR OF 0.30480061.
 - REFER TO TABLE ON DRAWING 40100 FOR BOREHOLE INFORMATION.
 - GEOLOGIC AND STRUCTURAL INFORMATION IS SHOWN ON THE NORTH RAMP PROFILE FOR REFERENCE PURPOSES ONLY AND IS BASED ON FIELD WORK FROM ON-GOING ROCK AND SOIL INVESTIGATIONS (REFERENCE SNL DWG NO. 88-60-09, REV 5 DATED 4-20-94, TOIF #303195).
 - FAULT TRACE LOCATIONS SHOWN ON NORTH RAMP PLAN, EXCEPT FOR THE BOW RIDGE FAULT, ARE APPROXIMATIONS BASED ON AT-DEPTH PROJECTIONS OF INFORMATION FROM USGS OPEN FILE REPORT 84-494, PRELIMINARY GEOLOGIC MAP AND SECTIONS, BY SCOTT AND BORK (SEE 8000000-01717-0200002 REV 00, SURFACE FAULT TRACES PROJECTED TO REPOSITORY HORIZON). THE BOW RIDGE FAULT TRACE IS AN AT-DEPTH PROJECTION BASED ON FIELD WORK FROM ON-GOING ROCK AND SOIL INVESTIGATIONS (REFERENCE SNL DWG NO. 88-60-09, REV 3, DATED 4-20-94 TOIF # 303195).
 - ALCOVE LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE FIELD DETERMINED.
 - CONFIGURATION OF THE DRILL HOLE WASH TEST ALCOVE(S) WILL BE DETERMINED AFTER THE ALCOVE IS LOCATED. FINAL LOCATION WILL BE BASED ON GEHYDROLOGIC DATA OBTAINED DURING RAMP CONSTRUCTION.
 - THE NORTH RAMP EXTENSION STUB DRIFT WILL PROVIDE AN AREA TO ASSEMBLE/LAUNCH A TBM. THE ACTUAL LOCATION IS DEPENDENT ON GROUND CONDITIONS AND WILL BE FIELD DETERMINED. THE STUB DRIFT WILL BE DESIGNED ONCE THE DRIFT IS LOCATED.
 - THE TS NORTH RAMP IS CLASSIFIED AS OA-1 BECAUSE OF ITS POTENTIAL TO PROVIDE TRANSPORT PATH FOR WASTE EMPLACEMENT AND A PATH FOR VENTILATION AND/OR INSTRUMENTATION AND CONTROL EQUIPMENT WITH POTENTIAL IRS (OA-1) SIGNIFICANCE. IT IS CLASSIFIED AS OA-2 BY DIRECT INCLUSION TO ACCOUNT FOR THE POTENTIAL IMPORTANCE OF THE RAMP IN ESTABLISHING REPOSITORY SEALS. OA CONTROLS ARE APPLIED IN AVE SPECIFICATION SECTIONS TO SATISFY ESF REQUIREMENTS ASSOCIATED WITH THESE CLASSIFICATIONS. TUNNEL ALIGNMENT AND GRADE ARE SUBJECT TO OA CONTROLS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION SECTION 01501.

CHANGE NUMBER	POSTED BY	DATE	STATUS

DESIGN INPUTS
SEE DRAWING INPUTS LIST

ALL DIMENSIONS ARE SHOWN IN METERS UNLESS OTHERWISE NOTED



DOE/EMP ACCEPTANCE FOR CONSTRUCTION

By: *[Signature]* Date: 15 Sept 94

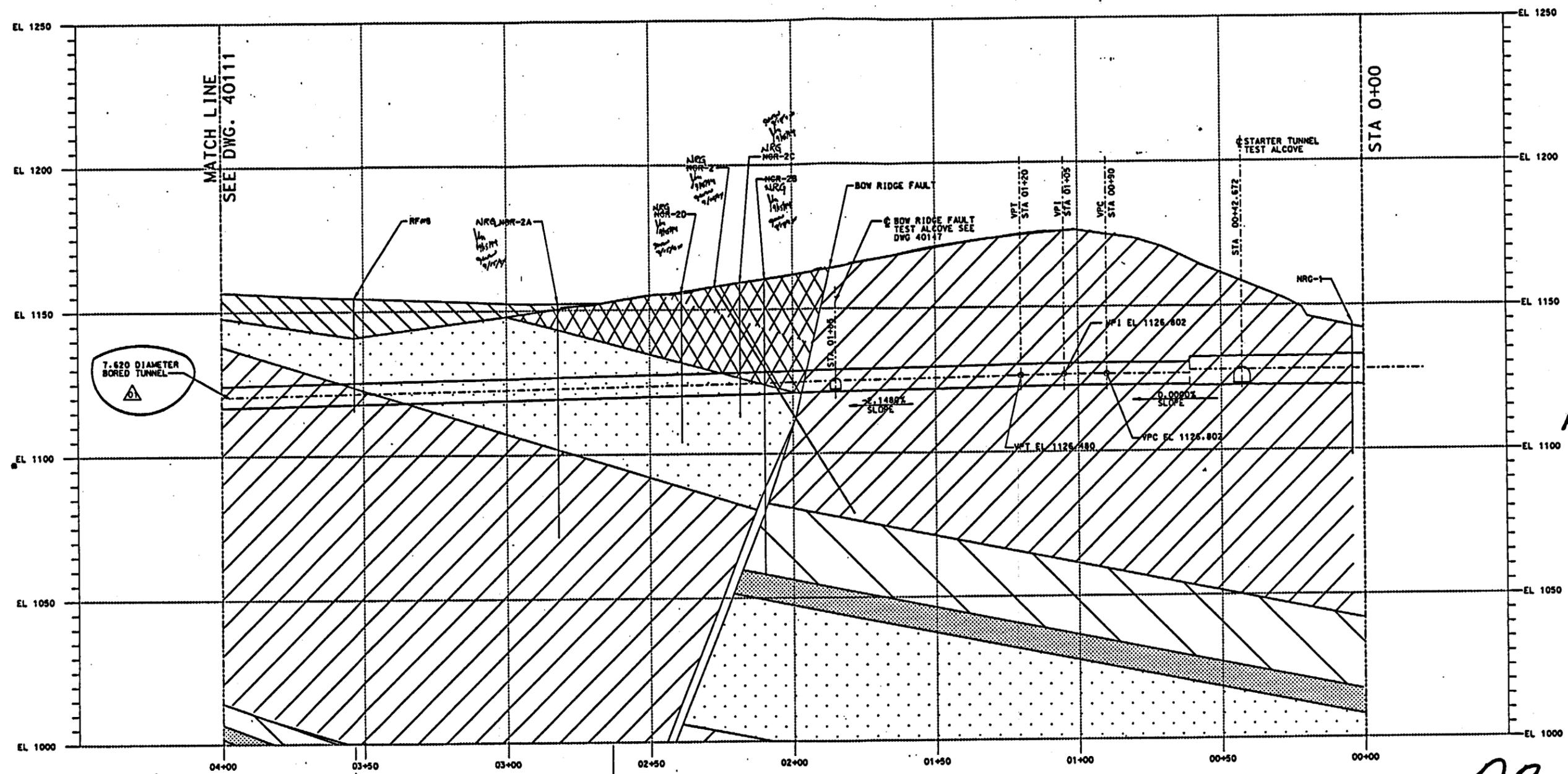
REV	DESCRIPTION	DATE	BY	CHKD	APP'D	DATE
01	ISSUED FOR CONSTRUCTION	7-3-94	CLP	WPK	CRD	7-3-94
00	APPROVED BUT NOT ISSUED	7-7-94	CLP	WPK	CRD	7-7-94

APPROVALS	INITIALS/DATE
C PEARCE	CLP 7-7-94
W KENNEDY	WRE 7-7-94
C GARRETT	CRG 7-7-94
J TAIPALE	JNT 7-7-94
J WILLIS	JCA 7-7-94
J NAAF	JNA 7-7-94

U.S. DEPARTMENT OF ENERGY
Yucca Mountain Site Characterization Project
M&O
EXPLORATORY STUDIES FACILITY PACKAGE 2C
TS NORTH RAMP
GENERAL ARRANGEMENT
PLAN & PROFILE

DOCUMENT IDENTIFIER: BAEAD000-01717-2100-40104-01

NOTED (SEE NOTE 10) V.2.6 MINE:40104.DGN



ANSTEC APERTURE CARD

- NOTES:**
- ALL DISTANCES (INCLUDING STATIONING) SHOWN ON THIS DRAWING OR DERIVED FROM PLANE COORDINATES SHOWN ON THE DRAWING ARE GRID DISTANCES ON THE NEVADA STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (NAD 27). TO OBTAIN APPROXIMATE GROUND DISTANCES, DIVIDE GRID DISTANCES BY 0.999732.
 - COORDINATES, ELEVATIONS, DIMENSIONS, AND STATIONING ARE SHOWN IN METERS, UNLESS OTHERWISE NOTED. METRIC VALUES ARE ROUNDED TO THREE DECIMAL PLACES. WHERE DISCREPANCIES BETWEEN ELEVATIONS & GRADIENTS OCCUR DUE TO ROUNDING, ELEVATIONS WILL GOVERN.
 - REFER TO TABLE ON DRAWING 40100 FOR BOREHOLE INFORMATION.
 - GEOLOGIC AND STRUCTURAL INFORMATION IS SHOWN ON THE NORTH RAMP PROFILE FOR REFERENCE PURPOSES ONLY AND IS BASED ON FIELD WORK FROM ON-GOING ROCK AND SOIL INVESTIGATIONS (REFERENCE SML DWG NO. 88-60-09, REV 5 DATED 4-20-94, TDIF #030195).
 - ALCOVE LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE FIELD DETERMINED.
 - REFER TO DRAWING 40104 FOR STRATIGRAPHIC LEGEND.
 - ELEVATIONS SHOWN FOR VERTICAL CURVE CONTROL POINTS REFER TO THE TUNNEL SPRING LINE. VPI ELEVATIONS REFER TO THE POINT OF INTERSECTION OF THE TANGENTS OF A VERTICAL CURVE.
 - THE 30 m VERTICAL CURVE IS AN EQUAL-TANGENT PARABOLIC TYPE CURVE.
 - THE TS NORTH RAMP IS CLASSIFIED AS OA-1 BECAUSE OF ITS POTENTIAL TO PROVIDE TRANSPORT PATH FOR WASTE PLACEMENT AND A PATH FOR VENTILATION AND/OR INSTRUMENTATION AND CONTROL EQUIPMENT WITH POTENTIAL IRS (OA-1) SIGNIFICANCE. IT IS CLASSIFIED AS OA-2 BY DIRECT INCLUSION TO ACCOUNT FOR THE POTENTIAL IMPORTANCE OF THE RAMP IN ESTABLISHING REPOSITORY SEALS. OA CONTROLS ARE APPLIED IN A/E SPECIFICATION SECTIONS TO SATISFY ESF REQUIREMENTS ASSOCIATED WITH THESE CLASSIFICATIONS. TUNNEL ALIGNMENT AND GRADE ARE SUBJECT TO QA CONTROLS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION SECTION 01501.

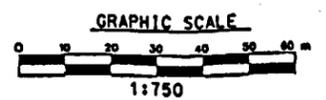
PROFILE - STA 00+00 TO STA 04+00
SCALE: 1:750

9501130285-23

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CHANGE NUMBER	DESCRIPTION	POSTED BY	DATE	STATUS



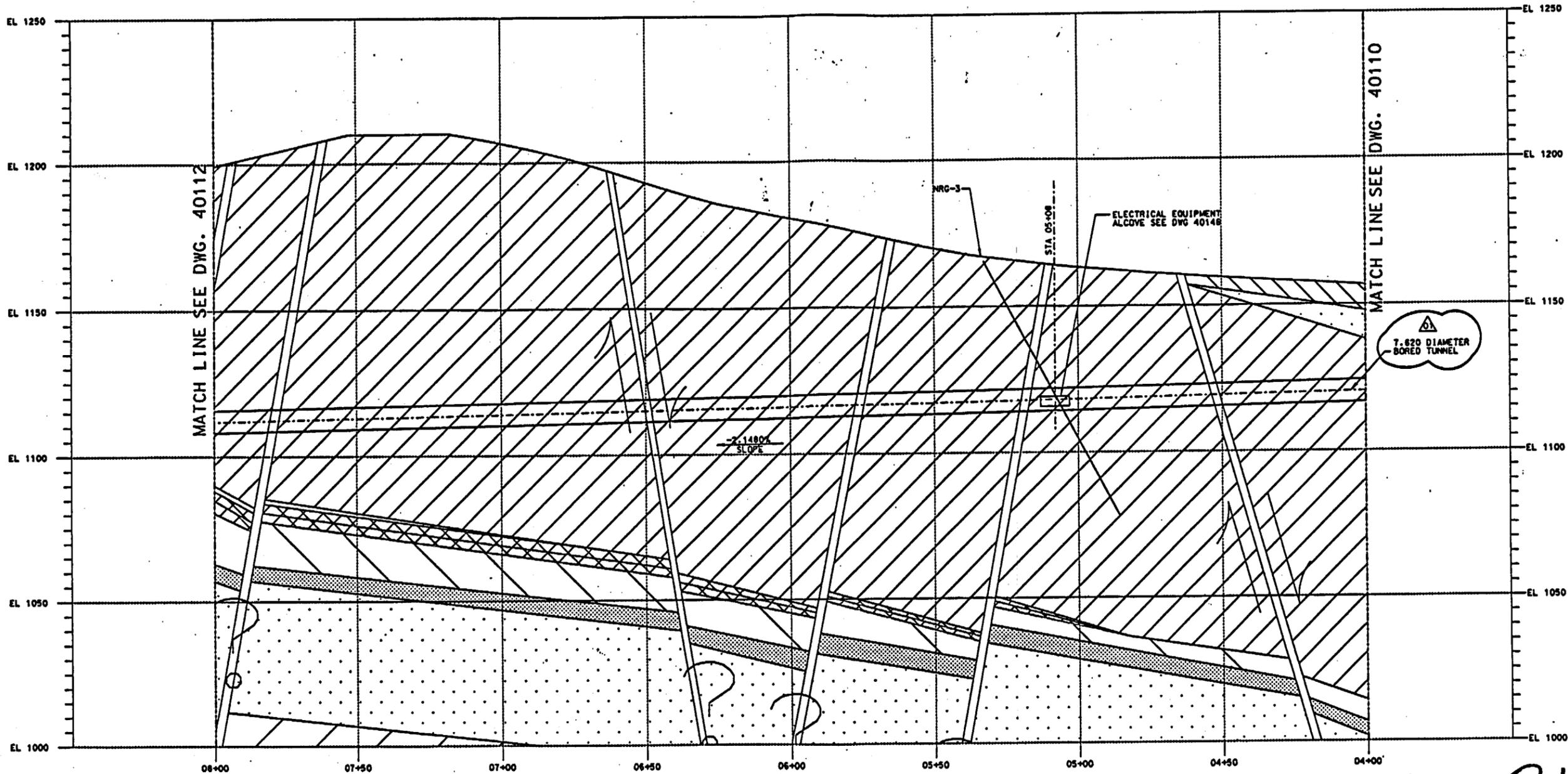
DOC/TMP ACCEPTANCE FOR CONSTRUCTION
By: *[Signature]* Date: 10/1/94

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NO.	DESCRIPTION	DATE	BY	CHK	APP	REV	DATE	DESCRIPTION
01	ISSUED FOR CONSTRUCTION	9-13-94	W.K.	B.	J.N.			
00	APPROVED BUT NOT ISSUED	7-7-94	W.K.					

U.S. DEPARTMENT OF ENERGY
Yucca Mountain Site Characterization Project
Civilian Radioactive Waste Management System
MANAGEMENT & OPERATING CONTRACTOR
EXPLORATORY STUDIES FACILITY PACKAGE 2C
TS NORTH RAMP
EXCAVATION LAYOUT
PROFILE - SHEET 1 OF 7

DATE: 9-13-94
SCALE: 1:750
DRAWING NO.: MINE: 40110.DGN



ANSTEC APERTURE CARD

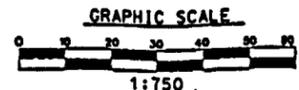
9501130285-24

PROFILE - STA 04+00 TO STA 08+00
SCALE: 1:750

NOTES:

- ALL DISTANCES (INCLUDING STATIONING) SHOWN ON THIS DRAWING OR DERIVED FROM PLANE COORDINATES SHOWN ON THE DRAWING ARE GRID DISTANCES ON THE NEVADA STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (NAD 27). TO OBTAIN APPROXIMATE GROUND DISTANCES, DIVIDE GRID DISTANCES BY 0.999732.
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- REFER TO TABLE ON DRAWING 40100 FOR BOREHOLE INFORMATION.
- GEOLOGIC AND STRUCTURAL INFORMATION IS SHOWN ON THE NORTH RAMP PROFILE FOR REFERENCE PURPOSES ONLY AND IS BASED ON FIELD WORK FROM ON-GOING ROCK AND SOIL INVESTIGATIONS (REFERENCE SHL DWG NO. 88-60-09, REV 5 DATED 4-20-94, TDIF #003195).
- ALCOVE LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS WILL BE FIELD DETERMINED.
- REFER TO DRAWING 40104 FOR STRATIGRAPHIC LEGEND.
- THE TS NORTH RAMP IS CLASSIFIED AS QA-1 BECAUSE OF ITS POTENTIAL TO PROVIDE A TRANSPORT PATH FOR WASTE EMPLACEMENT AND A PATH FOR VENTILATION AND/OR INSTRUMENTATION AND CONTROL EQUIPMENT WITH POTENTIAL IRS (QA-1) SIGNIFICANCE. IT IS CLASSIFIED AS QA-2 BY DIRECT INCLUSION TO ACCOUNT FOR THE POTENTIAL IMPORTANCE OF THE RAMP IN ESTABLISHING REPOSITORY SEALS. QA CONTROLS ARE APPLIED IN A/E SPECIFICATION SECTIONS TO SATISFY ESP REQUIREMENTS ASSOCIATED WITH THESE CLASSIFICATIONS. TUNNEL ALIGNMENT AND GRADE ARE SUBJECT TO QA CONTROLS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION SECTION 01501.
- ANY BOREHOLE INFORMATION, GEOLOGICAL INFORMATION, OR FAULT TRACE INFORMATION SHOWN IS FOR REFERENCE PURPOSES ONLY AND IS NEITHER DESIGN INPUT OR PART OF THE DESIGN.

QA-1
QA-2



DOE/TMP ACCEPTANCE FOR CONSTRUCTION

By: *[Signature]* Date: *[Signature]*

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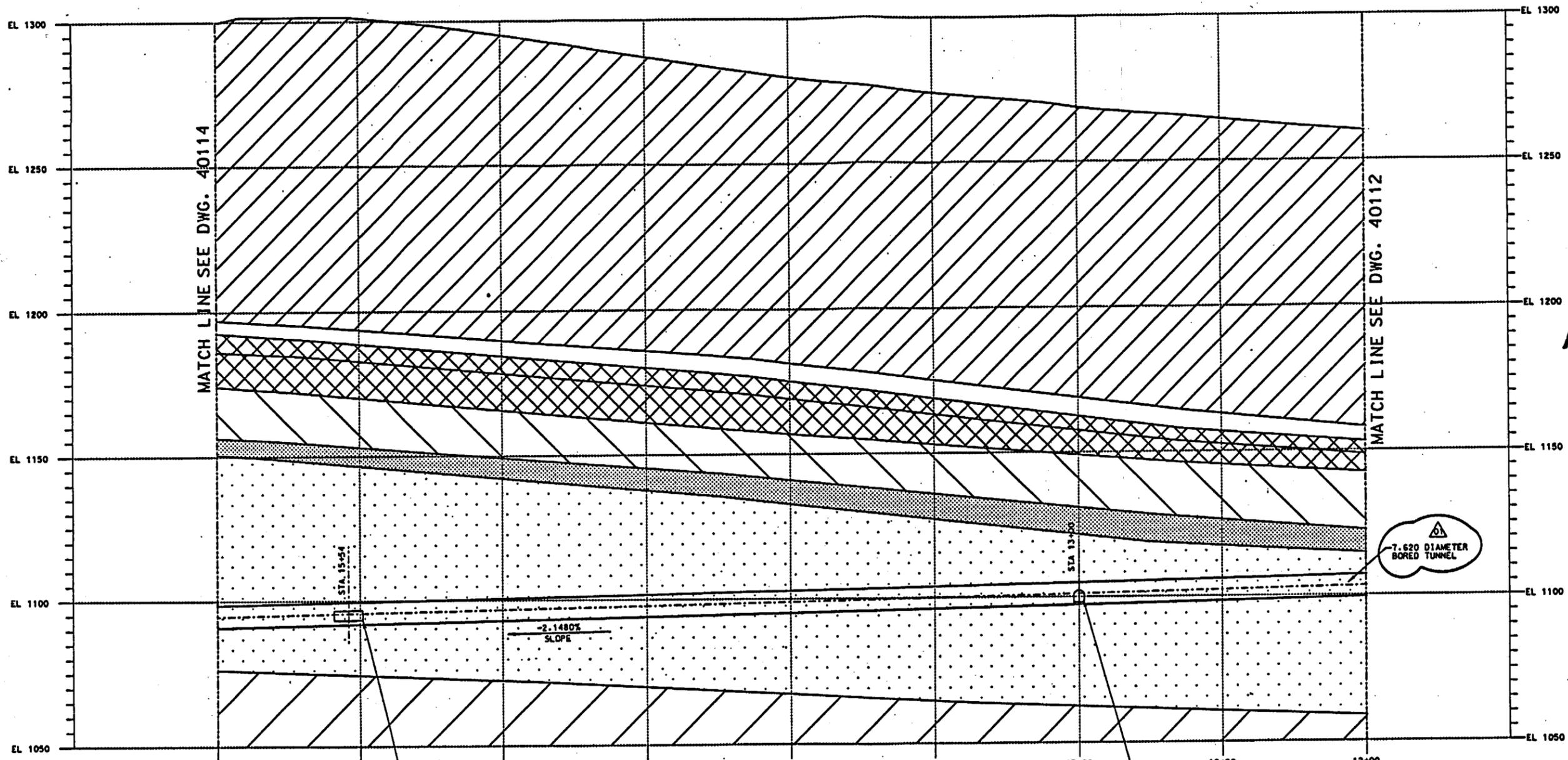
OCT 13 1994
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FOR DRAWING INDEX SEE DRAWING 39002

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NOTICE OF OPEN CHANGE DOCUMENTS				
THIS PROJECT IS IMPACTED BY THE LATEST CHANGE DOCUMENT AND CANNOT BE USED WITHOUT THEM				
CHANGE NUMBER	DOCUMENT	POSTED BY	DATE	STATUS

NO.	DESCRIPTION	DATE	CLP	WPK	CRG	N/A	JNT	FCA	JLN	APPROVALS	INITIAL/DATE
01	ISSUED FOR CONSTRUCTION	7-24-94								C PEARCE	CLP 7-7-94
00	APPROVED BUT NOT ISSUED	7-7-94								W KENNEDY	WPK 7-7-94
										C GARRETT	CRG 7-7-94
										N/A	
										J TAIPALE	JNT 7-7-94
										J WILLIS	JLN 7-7-94
										J NAAP	JLN 7-7-94

U.S. DEPARTMENT OF ENERGY
Yucca Mountain Site Characterization Project
M&O Civilian Radioactive Waste Management System
MANAGEMENT & OPERATING CONTRACTOR
EXPLORATORY STUDIES FACILITY PACKAGE 2C
TS NORTH RAMP
EXCAVATION LAYOUT
PROFILE - SHEET 2 OF 7
SCALE: 1:750
DATE: 7-7-94
DRAWING NO.: BABEAD000-01717-2100-40111-01
FILE NO.: MINE:40111.DGN



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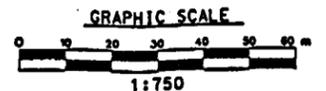
PROFILE - STA 12+00 TO STA 16+00
SCALE: 1:1750

9501130285-26

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OCT 13 '94
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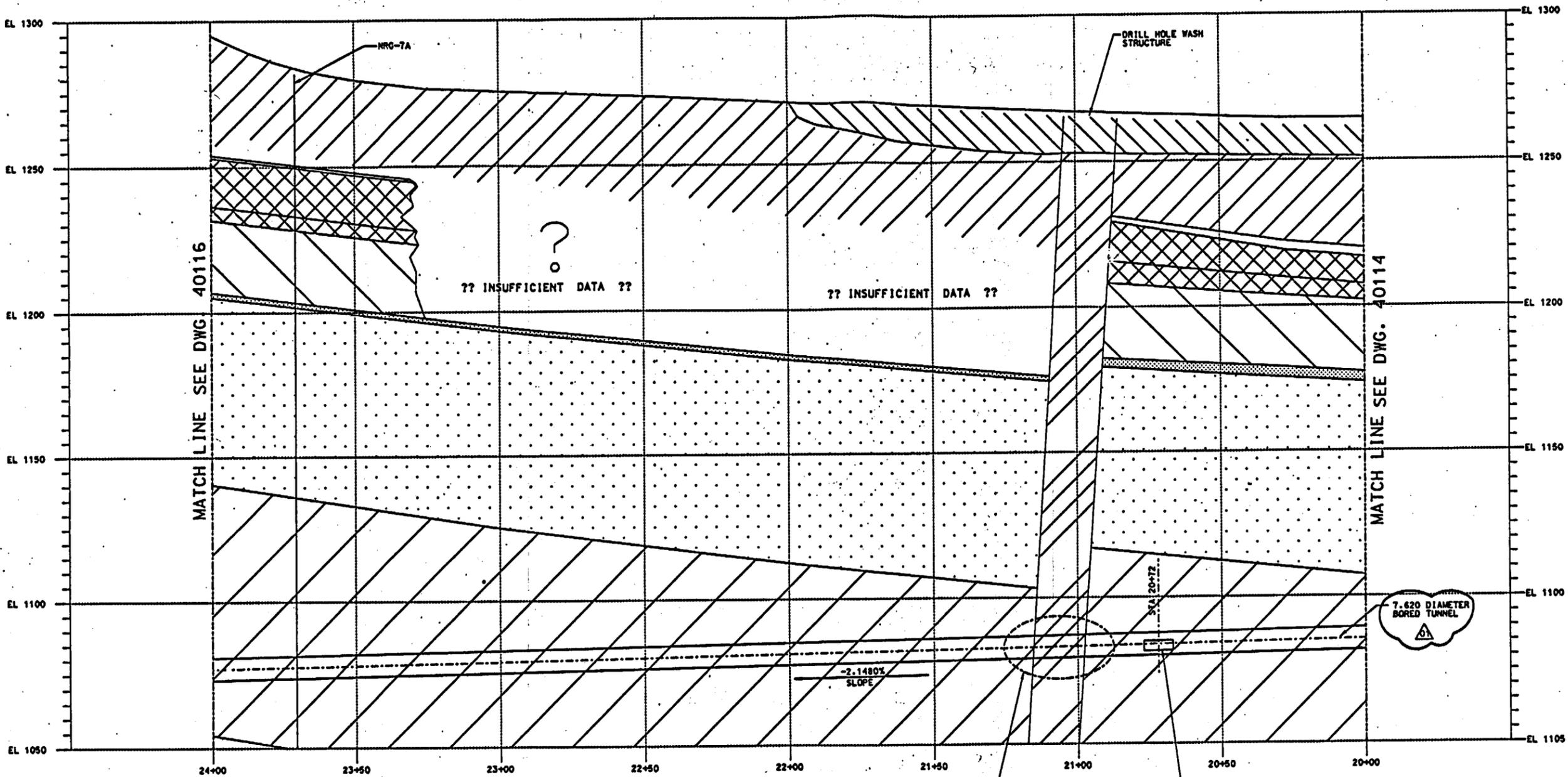
DOE/TMP ACCEPTANCE FOR CONSTRUCTION
By: *[Signature]* Date: 10/12/94

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NO.	DESCRIPTION	DATE	BY	CHKD	CRG	N/A	JMT	FCA	JLN	REVISIONS
01	ISSUED FOR CONSTRUCTION	9-26-94	[Signature]							
00	APPROVED BUT NOT ISSUED	7-7-94	CLP	WJK	CRG	N/A	JMT	FCA	JLN	

U.S. DEPARTMENT OF ENERGY
Yucca Mountain Site Characterization Project
M&O Construction Management & Operating Contractor
EXPLORATORY STUDIES FACILITY PACKAGE 2C
TS NORTH RAMP
EXCAVATION LAYOUT
PROFILE - SHEET 4 OF 7

SCALE: NOTED
CLASSIFICATION: N-2.6
JOB FILE: MINE:40113.DGN



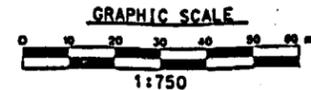
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 - REFER TO DRAWING 40104 FOR STRATIGRAPHIC LEGEND.
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 - ANY BOREHOLE INFORMATION, GEOLOGICAL INFORMATION, OR FAULT TRACE INFORMATION SHOWN IS FOR REFERENCE PURPOSES ONLY AND IS NEITHER DESIGN INPUT OR PART OF THE DESIGN.

PROFILE - STA 20+00 TO STA 24+00
SCALE: 1:750

9501130285-28

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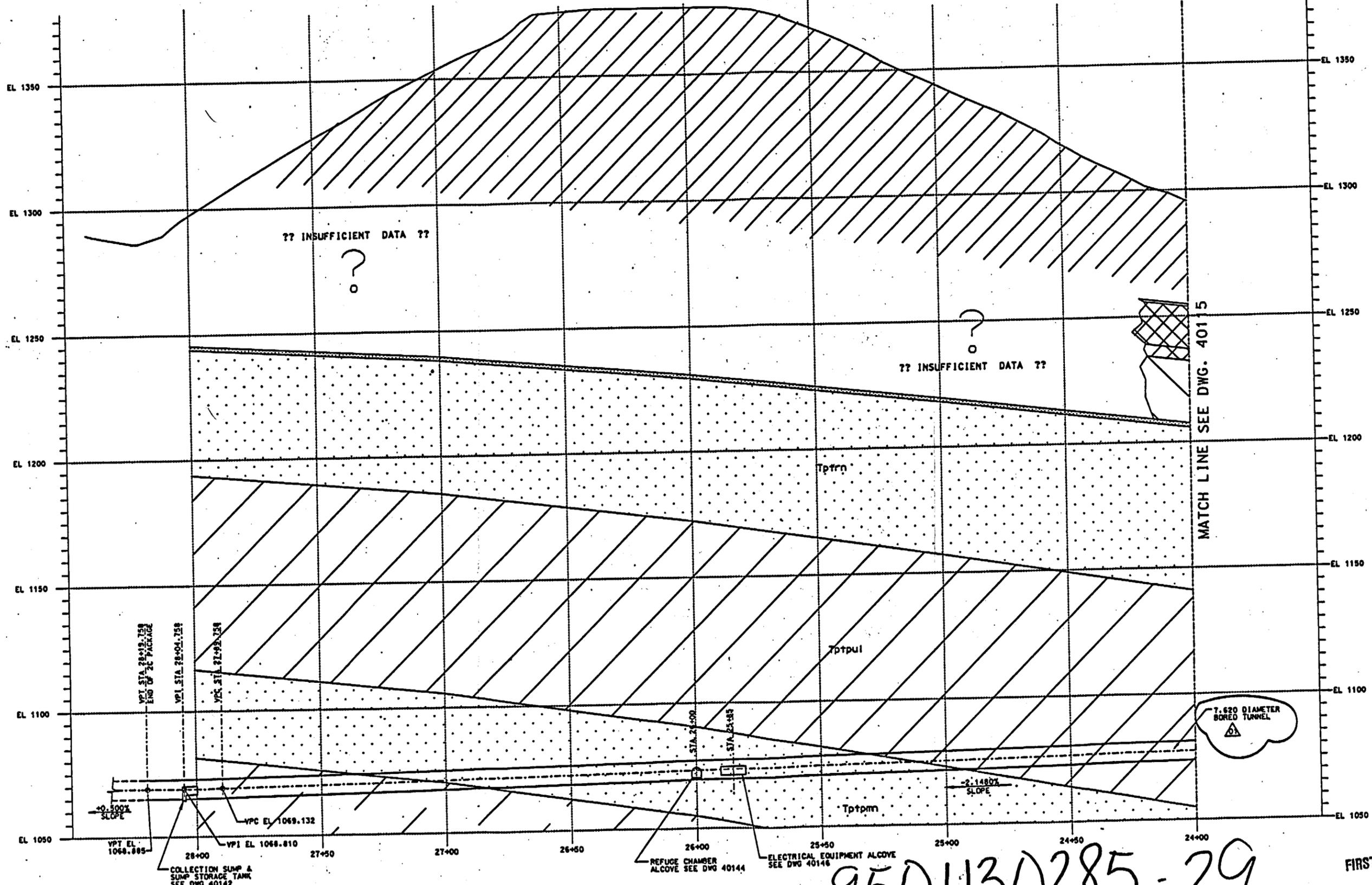
CHANGE NUMBER	POSTED BY	DATE	STATUS

NO	DESCRIPTION	DATE	BY	CHK	APP	REV	DATE	DESCRIPTION
01	ISSUED FOR CONSTRUCTION	7-24-94	[Signature]					
00	APPROVED BUT NOT ISSUED	7-7-94	[Signature]					

U.S. DEPARTMENT OF ENERGY
Yucca Mountain Site Characterization Project
M&O Civilian Radioactive Waste Management System
MANAGEMENT & OPERATING CONTRACTOR
EXPLORATORY STUDIES FACILITY PACKAGE 2C
TS NORTH RAMP
EXCAVATION LAYOUT
PROFILE - SHEET 6 OF 7

DATE: 7-7-94
SCALE: 1:750
NOTED: 1.2.6
MINE: 40115.DGN

NOTE:
 1. FOR NOTES SEE DRAWING 40110



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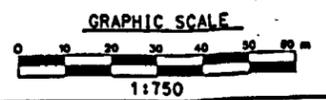
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FOR DRAWING INDEX SEE DRAWING 39002

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PROFILE - STA 24+00 TO STA 28+19.758
 SCALE: 1:750



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9501130285-29

APPROVALS	INITIALS/DATE	U.S. DEPARTMENT OF ENERGY
DESIGNED	C PEARCE CLP 7-7-94	Yucca Mountain Site Characterization Project
DRAWN	W KENNEDY WRK 7-7-94	M&C Civilian Radioactive Waste Management System MANAGEMENT & OPERATING CONTRACTOR
CHECKED	C GARRETT CGR 7-7-94	EXPLORATORY STUDIES FACILITY PACKAGE 2C
VERIFIED	N/A	TS NORTH RAMP EXCAVATION LAYOUT
FIELD SUPERVISOR	J TAIPALE JNT 7-7-94	PROFILE - SHEET 7 OF 7
QUALITY ENGINEER	J WILLIS JCA FOR 7-7-94	SCALE: 1:750
ENVIRONMENT ENGINEER	J NAAP JNA 7-7-94	SCALE: 1:2.5