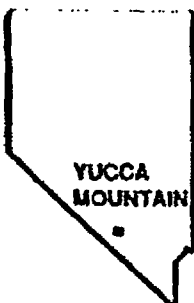


U.S. DEPARTMENT OF ENERGY

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**YUCCA MOUNTAIN  
SITE CHARACTERIZATION  
PROJECT**

**YUCCA MOUNTAIN  
SITE CHARACTERIZATION PROJECT**

**TECHNICAL DATA  
CATALOG**



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**SEPTEMBER 30, 1993**

UNITED STATES DEPARTMENT OF ENERGY

**YUCCA MOUNTAIN  
SITE CHARACTERIZATION PROJECT**

**TECHNICAL DATA CATALOG**

**SEPTEMBER 30, 1993**

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## INTRODUCTION

The March 21, 1993, 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 it 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 published 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, 1993 (this edition), should be retained as the baseline document for the supplements until the end-of-year revision is published and distributed in October 1994.

Requests for technical data referenced in the Data Catalog must be submitted in writing to the YMP Project Manager, Carl Gertz at the following address:

U.S. Department of Energy  
Yucca Mountain Site Characterization  
Project 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 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 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 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 "T" indicates that the data are in the Technical Data Base (TDB) and may be examined there or at the Central Records Facility (CRF). A "C" indicates that the data are in, and may be examined at, 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 outlines the types of data that are available in the Geologic and Engineering Materials Bibliography of Chemical Species (GEMBOCHS) component of the TDB. Appendix C identifies additions or modifications that were incorporated into the GEMBOCHS data base during the current quarter. Appendix D (Appendix E in previous editions) identifies additions or modifications that were incorporated into the Geographic Nodal Information Study and Evaluation System (GENISES) data base during the current quarter. The appendix (Appendix D in previous editions), which outlined the types of data that were available in the GENISES component of the TDB, has been deleted from the Catalog. This information is contained in the YMP Spatial Data Catalog, which is being published and distributed for the first time in conjunction with this document.

## DESIGN PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
SNSAND92044900.000	SAND92-0449: "FRACTURE ANALYSIS AND ROCK QUALITY DESIGNATION ESTIMATION FOR THE YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT."	11/12/91-02/01/93	DATA ON FRACTURE OCCURRENCE WERE COLLECTED D N C BY VARIOUS PARTICIPANTS IN THE YMP. THESE REPORTS WERE REVIEWED TO DETERMINE FRACTURE ABUNDANCE, FRACTURE ORIENTATION, FRACTURE ROUGHNESS, FRACTURE FILLINGS AND COATINGS, AND ROCK QUALITY DESIGNATION (RQD) FOR THE THERMOMECHANICAL UNITS ABOVE AND IMMEDIATELY BELOW THE POTENTIAL REPOSITOPY HORIZON. (SEE SAND 92-0449 FOR MORE DETAIL.)

ACQN/DEVL LOCATION : SNL

# ENVIRONMENTAL MONITORING AND MITIGATION PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQ. PERIOD	ACQN/DEVL METHOD	
GS920300012548.001	DATA ON GROUND-WATER LEVELS AND SPRING FLOWS, INCLUDING WELL DEPTHS, CASING INFORMATION, DISCHARGE MEASUREMENTS, WELL AND SPRING LOCATIONS.	01/01/10-12/31/91	EARLY DATA COLLECTED BY THE USGS WERE COLLECTED USING STANDARD USGS PRACTICES. AFTER MAY 10, 1991, USGS DATA WERE COLLECTED USING HP-54, HP-61, HP-99, AND HP-166.	A N P
ACQN/DEVL LOCATION : 36 00'00"N 117 00'00"W ;36 00'00"N 116 00'00"W 37 00'00"N 117 00'00"W ;37 00'00"N 116 00'00"W				
GS920800012548.005	DATA ON GROUND WATER LEVELS AND SPRING FLOWS INCLUDING WELL DEPTHS, CASING INFORMATION, DISCHARGE MEASUREMENTS, WELL AND SPRING LOCATIONS, SECOND QUARTER, 1992.	04/01/92-06/30/92	USGS DATA WERE COLLECTED USING HP-54,R0, WATER-FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS; HP-61,R0, USE OF HAND-HELD STEEL TAPES (IN VERTICAL BOREHOLES); HP-99,R1, INSTRUCTION FOR OPERATION OF A WELL SOUNDER FOR MEASURING WATER LEVELS; AND HP-166,R0, STREAM DISCHARGE MEASUREMENTS USING A PYGMY METER.	A N P
ACQN/DEVL LOCATION : 36 00'N 117 00'W ;37 00'N 116 00'W				
GS921100012548.006	DATA ON GROUND WATER LEVELS AND SPRING FLOWS INCLUDING WELL DEPTHS, CASING INFORMATION, DISCHARGE MEASUREMENTS, WELL AND SPRING LOCATIONS FOR THIRD QUARTER, 1992.	07/01/92-09/30/92	DATA WERE COLLECTED USING HP-54, WATER-FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS.	A Y C
ACQN/DEVL LOCATION : 36 00'N 117 00'W ;37 00'N 116 00'W				

## ENVIRONMENTAL MONITORING AND MITIGATION PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930100121347.001	DATA ON GROUND WATER LEVELS AND SPRING FLOWS INCLUDING WELL DEPTHS, CASING INFORMATION, DISCHARGE MEASUREMENTS, WELL AND SPRING LOCATIONS.	10/01/92-12/31/92	DATA WERE COLLECTED USING HP-54,R0, WATER-FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS; HP-61,R0, USE OF HAND-HELD STEEL TAPES (IN VERTICAL BOREHOLES); HP-99,R1, INSTRUCTION FOR OPERATION OF A WELL SOUNDER FOR MEASURING WATER LEVELS; AND HP-166,R0, STREAM DISCHARGE MEASUREMENTS USING A PYGMY METER.	A Y P
ACQN/DEVL LOCATION : 36 00'N 117 00'W ;37 00'N 116 00'W				
GS930500121347.002	PRELIMINARY DATA ON WATER QUALITY COLLECTED AS PART OF THE WATER-RESOURCES MONITORING PROGRAM FOR THE PERIOD AUGUST '90 THROUGH AUGUST '92, PART 2: DATA COLLECTED UNDER APPROVED TECHNICAL PROCEDURES.	07/12/91-04/14/93	FIELD DATA COLLECTED ACCORDING TO METHODS DESCRIBED IN HP-225T,R0, COLLECTION, TREATMENT AND FIELD ANALYSIS OF WATER SAMPLES; HP-225,R0, METHOD USED TO COLLECT, ANALYZE, PRESERVE AND PROCESS SURFACE AND GROUND WATER SAMPLES, AND HP-225,R1, METHODS USED TO COLLECT AND ANALYZE GROUND WATER AND SURFACE WATER SAMPLES. FURTHER ANALYSIS BY USGS NAT'L WATER QUALITY LAB. (APPROVED VENDOR).	A Y P
ACQN/DEVL LOCATION : 36 22'29"N 116 16'25"W 36 22'52"N 116 42'53"W 36 25'13"N 116 19'27"W 36 25'32"N 116 17'27"W 36 25'55"N 116 20'53"W 36 27'28"N 116 50'11"W 36 27'55"N 116 19'04"W 36 28'48"N 116 26'46"W 36 29'26"N 116 20'28"W 36 29'29"N 116 08'57"W 36 34'28"N 116 23'47"W 36 35'30"N 116 02'14"W 36 38'25"N 116 24'33"W 36 38'35"N 116 23'40"W 36 45'28"N 116 23'22"W 36 45'54"N 116 23'24"W 36 48'21"N 116 34'37"W 36 48'28"N 116 23'40"W				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	36 55'20"N 116 37'03"W USGS, NWQL, DENVER			
GS930500121347.003	PRELIMINARY DATA ON WATER QUALITY COLLECTED AS PART OF THE WATER-RESOURCES MONITORING PROGRAM FOR THE PERIOD AUGUST '90 THROUGH AUGUST '92, PART 1.	08/25/90-07/11/91	FIELD DATA COLLECTED ACCORDING TO METHODS DESCRIBED IN HP-225T,R0, COLLECTION, TREATMENT AND FIELD ANALYSIS OF WATER SAMPLES. FURTHER ANALYSIS BY USGS NAT'L WATER QUALITY LAB.	A N P
	ACQN/DEVL LOCATION : 36 22'29"N 116 16'25"W 36 22'52"N 116 42'53"W 36 25'13"N 116 19'27"W 36 25'32"N 116 17'27"W 36 25'55"N 116 20'53"W 36 27'28"N 116 50'11"W 36 27'55"N 116 19'04"W 36 28'48"N 116 26'46"W 36 29'26"N 116 20'28"W 36 29'29"N 116 08'57"W 36 34'28"N 116 23'47"W 36 35'30"N 116 02'14"W 36 38'25"N 116 24'33"W 36 38'35"N 116 23'40"W 36 45'28"N 116 23'22"W 36 45'54"N 116 23'24"W 36 48'21"N 116 34'37"W 36 48'28"N 116 23'40"W 36 55'20"N 116 37'03"W USGS NWQL, DENVER			
TM000000000001.001	GAMMA SPECTRAL DATA FROM ENVIRONMENTAL PROTECTION AGENCY (EPA) SAMPLES, CONFIRMATORY DATA ONLY.	10/14/87-12/24/89	SEE RADIOLOGICAL MONITORING PLAN AND APPLICABLE PROCEDURES. THIS IS RAW GAMMA SPECTROSCOPY DATA FOR ANALYSIS OF RADIOLOGICAL SAMPLES AS DEFINED IN THE RADMP.	A N C
	ACQN/DEVL LOCATION : NEAR FIELD/FAR FIELD			

## ENVIRONMENTAL MONITORING AND MITIGATION PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM000000000001.002	RADON MONITORING DATA REPORT (TERRADEX) FIRST QUARTER OF 1987.	01/01/87-04/30/87	SEE APPLICABLE BRANCH TECHNICAL PROCEDURES-ER(S) IN FORCE DURING THE PERIOD.	A N C
	ACQN/DEVL LOCATION : RMP LOCATION 6, 1-5			
TM000000000001.003	RADIATION SURVEY AND LEAK TEST/SMEER DATA FROM JANUARY CY90 TO AUGUST CY90.	01/01/90-09/30/90	HEALTH STANDARD PRACTICES: NOTE COLLECTION WAS CONSISTENT WITH PROCEDURES (INSTRUCTIONS BEING ISSUED IN THE RADIOLOGICAL MONITORING INSTRUCTION MANUAL, TMSS/RFPD-90/001).	A N C
	ACQN/DEVL LOCATION : AREA 25/NTS			
TM000000000001.027	VISIBLE EMISSION OBSERVATION FORMS	07/08/92-07/08/92	OBSERVATION BY A TRAINED OBSERVER OF VISIBLE EMISSIONS	A N P
	ACQN/DEVL LOCATION : YUCCA MOUNTAIN AREA			

# METEOROLOGICAL MONITORING PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM000000000001.018	METEOROLOGICAL DATA FOR THE YUCCA MOUNTAIN SITE FROM SEPTEMBER 1988 THROUGH AUGUST 1989.  ACQN/DEVL LOCATION : N733230(N) E580882(N) N761795(N) E569127(N) N766195(N) E562876(N) N766434(N) E558862(N) N769661(N) E576810(N)	09/01/88-08/31/89	ELECTRONIC INSTRUMENTATION.	A Y C
**TM000000000001.021	AMBIENT AIR MONITORING REPORT, JULY - SEPTEMBER 1991  ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA	07/01/91-09/30/91	AUTOMATIC FIELD COLLECTION OF METEOROLOGICAL DATA	D Y C
TM000000000001.022	METEOROLOGICAL DATA FOR YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT, FOR THE PERIOD OF DECEMBER 1985 TO AUGUST 1989.  ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA	12/01/85-08/31/89	AUTOMATIC RECORDING BY DATA LOGGERS	A Y P
TM000000000001.023	METEOROLOGICAL DATA FOR THE YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT FOR THE PERIOD OF DECEMBER 1985 TO AUGUST 1989  ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA	12/01/85-08/31/89	AUTOMATIC RECORDING BY DATA LOGGERS	A Y C



## METEOROLOGICAL MONITORING PLAN

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I Y P E	D U L L A O L C A T T I O N
TM000000000001.024	AMBIENT AIR MONITORING REPORT, JANUARY - MARCH 1992  ACQN/DEVL LOCATION : T&MSS	01/01/92-03/31/92	REFORMATTING OF DATA ACQUIRED BY DATALOGGERS	D	Y C
**TM000000000001.025	AMBIENT AIR MONITORING REPORT, OCTOBER - DECEMBER 1991  ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA	10/01/91-12/31/91	REFORMATTING OF DATA ACQUIRED BY DATALOGGERS	D	Y C
**TM000000000001.026	AMBIENT AIR MONITORING REPORT, APRIL - JUNE 1992  ACQN/DEVL LOCATION : T&MSS	04/01/92-06/30/92	REFORMATTING OF DATA ACQUIRED BY DATALOGGERS	D	Y C
TM000000000001.028	SEVEN SUMMARY METEOROLOGICAL TABLES FOR THE PERIOD DECEMBER 1987 THROUGH NOVEMBER 1988  ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA	12/01/87-11/30/88	DEVELOPMENT WAS FROM HOURLY DATA VALUES	D	Y P
**TM000000000001.029	QUARTERLY METEOROLOGICAL DATA REPORT, DECEMBER 1987 THROUGH FEBRUARY 1988  ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA	12/01/87-02/29/88	DATA WAS ACQUIRED FROM ON-SITE DATALOGGERS	D	Y C

# METEOROLOGICAL MONITORING PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		
**TM000000000001.030	QUARTERLY METEOROLOGICAL DATA REPORT, MARCH 1988 THROUGH MAY 1988	03/01/88-05/31/88	DATA WAS ACQUIRED FROM ON-SITE DATALOGGERS	D	Y C
	ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA				
**TM000000000001.031	QUARTERLY METEOROLOGICAL DATA REPORT, JUNE 1988 THROUGH AUGUST 1988	06/01/88-08/31/88	DATA WAS ACQUIRED FROM ON-SITE DATALOGGERS	D	Y C
	ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA				
**TM000000000001.032	QUARTERLY METEOROLOGICAL DATA REPORT, DECEMBER 1988 THROUGH FEBRUARY 1989	12/01/88-02/28/89	DATA WAS ACQUIRED FROM ON-SITE DATALOGGERS	D	Y C
	ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA				
TM000000000001.033	AMBIENT AIR MONITORING REPORT, JULY - SEPTEMBER 1992	07/01/92-09/30/92	REFORMATTING OF DATA ACQUIRED BY DATALOGGERS		D Y C
	ACQN/DEVL LOCATION : T&MSS				
TM000000000001.034	AMBIENT AIR MONITORING REPORT, OCTOBER - DECEMBER 1992	10/01/92-12/01/92	REFORMATTING OF DATA ACQUIRED BY DATALOGGERS		D Y C
	ACQN/DEVL LOCATION : T&MSS				
**TM000000000001.036	AMBIENT AIR MONITORING REPORT, JANUARY - MARCH 1993	01/01/93-03/31/93	REFORMATTING OF DATA ACQUIRED BY DATALOGGERS		D Y C
	ACQN/DEVL LOCATION : T&MSS				

## METEOROLOGICAL MONITORING PLAN

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM000000000001.037	METEOROLOGICAL MONITORING PROGRAM SUMMARY REPORT, DECEMBER 1985 THROUGH DECEMBER 1991	12/01/85-12/31/91	REFORMATTING OF DATA ACQUIRED FROM DATALOGGERS	D Y C
	ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA			
*TM000000000001.038	ORIGINAL SOURCE DATA FOR METEOROLOGICAL MONITORING PROGRAM SUMMARY REPORT, DECEMBER 1985 THROUGH DECEMBER 1991.	12/01/85-12/31/91	DATA WAS ACQUIRED FROM ON-SITE DATALOGGERS	A Y C
	ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA			
*TM000000000001.039	PARTICULATE MATTER AIR QUALITY DATA -- JANUARY 1991 THROUGH SEPTEMBER 1992	01/01/91-09/30/92	HIGH-VOLUME AIR SAMPLING OF AIRBORNE PARTICULATE MATTER AND GRAVIMETRIC FILTER ANALYSIS	A Y C
	ACQN/DEVL LOCATION : YUCCA MOUNTAIN SITE AREA			

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# PERFORMANCE ASSESSMENT MANAGEMENT PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930200012547.001	PHYSICAL AND FLOW PROPERTIES OF 100 CORE SAMPLES FROM CALICO HILLS AND TOPOPAH SPRING UNITS USED IN A STUDY ON THE EFFECTS OF HIGH TEMPERATURE ON HYDROLOGIC PROPERTIES OF VOLCANIC TUFF.	03/10/92-10/28/92	USGS HP-229, R1, DETERMINATION OF WATER CONTENT AND PHYSICAL PROPERTIES FOR LABORATORY ROCK SAMPLES, WAS USED TO DETERMINE BULK DENSITY, POROSITY, AND PARTICLE DENSITY. AIR AND WATER PERMEABILITY WERE DONE USING A STEADY STATE PERMEAMETER, SORPTIVITY WAS CALCULATED FROM IMBIBITION EXPERIMENTS WHERE IMBIBITION = SORPTIVITY * TIME <sup>1/2</sup> . PARTICLE DENSITY WAS ALSO DETERMINED USING A HELIUM PYCNOMETER.	A N C
ACQN/DEVL LOCATION : USGS HRF, NTS AREA 25, MERCURY, NV				
SN.19011590002.001	LOGBOOK FOR GRAVITY-DRIVEN INSTABILITY IN A PARTIALLY WETTED FRACTURE EXPERIMENT.	06/11/92-02/28/93	YMP EP-0031, REV. 0: "UNSATURATED FLOW AND TRANSPORT EXPERIMENTS". AN EXPERIMENTAL APPARATUS COMPOSED OF A ROTATING TEST STAND (RTS), FRACTURE TEST CELL, AND TRANSMITTED-LIGHT VISUALIZATION SYSTEM WAS DESIGNED TO FACILITATE OBSERVATION OF WETTING-FRONT ADVANCE IN TRANSPARENT ANALOG FRACTURES. THE RTS HOLDS A TEST CELL CONTAINING THE ANALOG FRACTURE, DIGITAL CAMERA, AND LIGHTING IN RIGID, REPRODUCIBLE ALIGNMENT. ALL EXPERIMENTS WERE IMAGED AND RECORDED AT PRE-DETERMINED INTERVALS. (FOR MORE DETAIL SEE EP-0031 & LOGBOOK PAGES 1 THRU V).	A N C
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## PERFORMANCE ASSESSMENT MANAGEMENT PLAN

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNL19011590002.002	LOGBOOK FOR SINGLE FINGER IN INITIALLY DRY FRACTURE EXPERIMENT.	01/23/90-02/28/93	AN EXPERIMENTAL APPARATUS COMPOSED OF A ROTATING TEST STAND (RTS), FRACTURE TEST CELL, AND TRANSMITTED-LIGHT VISUALIZATION SYSTEM WAS DESIGNED TO FACILITATE OBSERVATION OF WETTING-FRONT ADVANCE IN TRANSPARENT ANALOGUE FRACTURES. THE RTS HOLDS A TEST CELL CONTAINING THE ANALOGUE FRACTURE, DIGITAL CAMERA, AND LIGHTING SYSTEM IN RIGID, REPRODUCIBLE ALIGNMENT. TEST CELLS OF UP TO 100X50 CM CAN BE CLAMPED ONTO THE TEST-PLANE TABLE OF THE RTS. DATA IS ACQUIRED BY A CHARGE-COUPLED-DEVICE (CCD) VIDEO CAMERA ATTACHED TO THE SUPERSTRUCTURE OF THE RTS AND FOCUSED ON THE FRACTURE PLANE. ALL EXPERIMENTS ARE IMAGED AND RECORDED AT PRE-DETERMINED INTERVALS. (FOR MORE DETAIL SEE: EP-0031 & LOGBOOK PAGES I THRU III).	A N C
ACQN/DEVL LOCATION : SNL				
SNL19011590002.003	RAW IMAGE FILES FOR: 1.) FULL FIELD INSTABILITY IN UNSATURATED FRACTURE; 2.) SINGLE FINGER IN INITIALLY DRY FRACTURE; 3.) GRAVITY-DRIVEN INSTABILITY IN A PARTIALLY WETTED FRACTURE.	01/23/90-02/28/93	YMF EP-0031, REV 0: "UNSATURATED FLOW AND A N C TRANSPORT EXPERIMENTS"	
ACQN/DEVL LOCATION : SNL				

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# PERFORMANCE ASSESSMENT MANAGEMENT PLAN

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*SNL19011590002.004	LOGBOOK FOR FULL FIELD INSTABILITY IN A NATURAL FRACTURE EXPERIMENT.	01/20/93-01/20/93	YMP EP-0031, REV. 0: "UNSATURATED FLOW AND A N C TRANSPORT EXPERIMENTS" (FOR MORE DETAIL SEE LOGBOOK ENTRY 01/20/93).	
	ACQN/DEVL LOCATION : SNL-SANDIA NATIONAL LABORATORIES			
*SNL19011590001.001	LOGBOOK FOR INVESTIGATION OF FRACTURE-MATRIX INTERACTION: PRELIMINARY EXPERIMENTS IN A SIMPLE SYSTEM.	11/17/92-11/18/92	SEE EXPERIMENTAL METHOD PG. 2 OF NOTEBOOK. A N P EXPERIMENT INVOLVED IMAGING OF TRANSIENT MOISTURE CONTENT FIELDS, BY MEANS OF X-RAY ABSORPTION TECHNIQUE, OF THE MATRIX IMBIBITION EFFECT ON SATURATED FLOW THROUGH A SIMPLE FRACTURE (FOR PLANE CUT NORMAL TO FRACTURE).	
	ACQN/DEVL LOCATION : SNL			
SNL19011590000.000	CONTACTS OF THERMAL/MECHANICAL STRATIGRAPHIC UNITS, SAND84-1076: "A THREE-DIMENSIONAL MODEL OF REFERENCE THERMAL/MECHANICAL AND HYDROLOGICAL STRATIGRAPHY AT YUCCA MOUNTAIN, SOUTHERN NEVADA" NNA.890315.0013	08/26/78-11/07/82	A THREE-DIMENSIONAL MODEL OF THE THERMAL/MECHANICAL AND HYDROLOGICAL REFERENCE STRATIGRAPHY AT YUCCA MOUNTAIN WAS DEVELOPED FOR USE IN PERFORMANCE ASSESSMENT AND REPOSITORY DESIGN STUDIES. THE REFERENCE STRATIGRAPHY DEFINES UNITS WITH DISTINCT THERMAL, PHYSICAL, MECHANICAL AND HYDROLOGICAL PROPERTIES. THE MODEL IS A COLLECTION OF SURFACE REPRESENTATIONS, EACH SURFACE REPRESENTING THE BASE OF A PARTICULAR UNIT. (FOR MORE DETAIL SEE SAND84-1076).	D N T
	ACQN/DEVL LOCATION : SNL			

## PERFORMANCE ASSESSMENT MANAGEMENT PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNSAND90272600.000	SAND90-2726: "TECHNICAL SUMMARY OF THE PERFORMANCE ASSESSMENT CALCULATIONAL EXERCISES FOR 1990 (PACE-90), VOLUME 1: "NOMINAL CONFIGURATION" HYDROGEOLOGIC PARAMETERS AND CALCULATIONAL RESULTS." NNA.910523.0001	07/01/90-12/01/90	THE PRIMARY OBJECTIVES OF THE EXERCISE WERE TO DEVELOP PERFORMANCE-ASSESSMENT COMPUTATIONAL CAPABILITIES OF YMP PARTICIPANTS AND TO AID IN IDENTIFYING CRITICAL ELEMENTS AND PROCESSES ASSOCIATED WITH THE CALCULATION. THE PROBLEM DEFINED WAS SIMULATION OF A "NOMINAL CASE" GROUNDWATER FLOW AND TRANSPORT OF A SELECTED GROUP OF RADIONUCLIDES THROUGH A PORTION OF YUCCA MOUNTAIN. BOTH 1-D AND 2-D CALCULATIONS WERE RUN FOR A MODELING PERIOD OF 100,000 YEARS. (FOR MORE DETAIL SEE SAND90-2726).	D N C

ACQN/DEVL LOCATION : SNL

# RADIOLOGICAL MONITORING PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM000000000001.019	RADON MONITORING DATA REPORT (TERREDEK) FIRST QUARTER OF 1989.  ACQN/DEVL LOCATION : RME LOCATION 6, 1-5	01/01/89-04/01/89	SEE APPLICABLE STP-ER'S IN FORCE DURING THE PERIOD.	A H C
TM000000000001.023	YUCCA MOUNTAIN PROJECT SITE RADIOLOGICAL MONITORING REPORT FOR CALENDAR YEAR 1988.  ACQN/DEVL LOCATION : 84 KM RADIUS OF N765621.5(N), E570434.6(N)	01/01/88-12/31/88	COLLECTION METHODS CONSISTENT WITH THE COLLECTION METHODS SPECIFIED IN THE ENVIRONMENTAL REGULATORY GUIDE FOR RADIOLOGICAL EFFLUENT MONITORING AND ENVIRONMENTAL SURVEILLANCE JANUARY 1991 AS REQUIRED BY DOE ORDER 5400.5 FEBRUARY 8, 1990.	A H C
TM000000001987.001	NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS PROJECT ENVIRONMENTAL MONITORING PROGRAM SUMMARY FOR 1987.  ACQN/DEVL LOCATION : 84 KM RADIUS OF N765621.5(N), E570434.6(N)	09/11/87-12/31/87	COLLECTION METHODS CONSISTENT WITH THE COLLECTION METHODS SPECIFIED IN THE ENVIRONMENTAL REGULATORY GUIDE FOR RADIOLOGICAL EFFLUENT MONITORING AND ENVIRONMENTAL SURVEILLANCE JANUARY 1991 AS REQUIRED BY DOE ORDER 5400.5 FEBRUARY 8, 1990.	D H C
TM0000000001991.001	ENVIRONMENTAL THERMOLUMINESCENT DOSIMETER (TLD) DATA FOR FIRST QUARTER 1991.  ACQN/DEVL LOCATION : RFPD NEAR AND FAR FIELD MONITORING SITES	01/17/91-03/29/91	TLD DATA ACQUIRED PER TMSB WORK INSTRUCTIONS WI-RM-901, WI-RM-902, WI-RM-903, AND WI-RM-905.	A Y C



## RADIOLOGICAL MONITORING PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQ/DEVL PERIOD	ACQ/DEVL METHOD	
TM000000001991.002	ENVIRONMENTAL THERMOLUMINESCENT DOSIMETER (TLD) DATA FOR SECOND QUARTER 1991.  ACQ/DEVL LOCATION : RFPD NEAR AND FAR FIELD MONITORING SITES	01/29/91-06/27/91	TLD DATA ACQUIRED PER TMS WORK INSTRUCTIONS WI-RM-901, WI-RM-902, WI-RM-903, AND WI-RM-905.	A Y C
TM000000001991.003	ENVIRONMENTAL THERMOLUMINESCENT DOSIMETER (TLD) DATA FOR THIRD QUARTER 1991.  ACQ/DEVL LOCATION : RFPD NEAR AND FAR FIELD MONITORING SITES	06/26/91-10/30/91	TLD DATA ACQUIRED PER TMS WORK INSTRUCTIONS WI-RM-901, WI-RM-902, WI-RM-903, AND WI-RM-905.	A Y C
TM000000001991.004	ENVIRONMENTAL THERMOLUMINESCENT DOSIMETER (TLD) DATA FOR FOURTH QUARTER 1991.  ACQ/DEVL LOCATION : RFPD NEAR AND FAR FIELD MONITORING SITES	09/27/91-01/26/92	TLD DATA ACQUIRED PER TMS WORK INSTRUCTIONS WI-RM-901, WI-RM-902, WI-RM-903, AND WI-RM-905.	A Y C
TM000000001991.005	EPERM DATA FOR JANUARY AND FEBRUARY 1991  ACQ/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	01/18/91-03/05/91	EPERM DATA ACQUIRED PER TMS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001991.006	EPERM DATA FOR MARCH 1991.  ACQ/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	03/05/91-04/08/91	EPERM DATA ACQUIRED PER TMS WORK INSTRUCTION WI-RM-770.	A Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM000000001991.007	EPERM DATA FOR APRIL 1991.  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	04/08/91-05/08/91	EPERM DATA ACQUIRED PER T&MSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001991.008	EPERM DATA FOR MAY 1991.  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	05/08/91-06/10/91	EPERM DATA ACQUIRED PER T&MSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001991.009	EPERM DATA FOR JUNE 1991.  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	06/10/91-07/10/91	EPERM DATA ACQUIRED PER T&MSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001991.010	EPERM DATA FOR JULY 1991  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	07/10/91-08/08/91	EPERM DATA ACQUIRED PER T&MSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001991.011	EPERM : VTA FOR AUGUST 1991.  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	08/08/91-09/13/91	EPERM DATA ACQUIRED PER T&MSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001991.012	EPERM DATA FOR SEPTEMBER 1991  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	09/13/91-10/09/91	EPERM DATA ACQUIRED PER T&MSS WORK INSTRUCTION WI-RM-770.	A Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM000000001991.013	EPERM DATA FOR OCTOBER 1991	10/09/91-11/05/91	EPERM DATA ACQUIRED PER TAMSS WORK INSTRUCTION WI-RM-770.	A Y C
	ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES			
TM000000001991.014	EPERM DATA FOR NOVEMBER 1991.	11/05/91-12/10/91	EPERM DATA ACQUIRED PER TAMSS WORK INSTRUCTION WI-RM-770.	A Y C
	ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES			
TM000000001991.015	EPERM DATA FOR DECEMBER 1991.	12/10/91-01/07/92	EPERM DATA ACQUIRED PER TAMSS WORK INSTRUCTION WI-RM-770.	A Y C
	ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES			
TM000000001991.016	ONE OF A KIND PRESSURIZED IONIZATION CHAMBER STRIPCHARTS FROM SITE FF19 AMARGOSA VALLEY DURING 1991.	01/01/91-12/02/91	DATA ACQUIRED BY EPA PERSONNEL WORKING TO PROCEDURES NOT APPROVED BY THE PROJECT.	A M C
	ACQN/DEVL LOCATION : FF19-AMARGOSA VALLEY			
TM000000001991.017	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1991 SOIL SAMPLES. SAMPLES OBTAINED FROM NEAR FIELD SITES 6, 10, 11, 61, 67, 88, 91, 92, 93, AND U2-16 (U2-25U2#16)	07/11/92-09/03/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C
	ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, N.J.			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM000000001992.001	EPERM DATA FOR JANUARY 1992.  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	01/07/92-02/12/92	EPERM DATA ACQUIRED PER T&MSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001992.002	EPERM DATA FOR FEBRUARY 1992.  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	02/12/92-03/10/92	EPERM DATA ACQUIRED PER T&MSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001992.003	EPERM DATA FOR MARCH 1992.  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	03/09/92-04/14/92	EPERM DATA ACQUIRED PER T&MSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001992.004	ENVIRONMENTAL RADON MEASUREMENTS USING EPERMS FOR APRIL 1992  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	04/14/92-05/15/92	EPERM DATA ACQUIRED PER T&MSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001992.005	ENVIRONMENTAL RADON MEASUREMENTS USING EPERMS FOR MAY 1992.  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES.	05/15/92-06/05/92	EPERM DATA ACQUIRED PER T&MSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001992.006	ENVIRONMENTAL RADON MEASUREMENTS USING EPERMS FOR JUNE 1992.  ACQN/DEVL LOCATION : RFPD NEAR FIELD SAMPLING SITES	06/05/92-07/06/92	EPERM DATA ACQUIRED PER TMSS WORK INSTRUCTION WI-RM-770.	A Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM000000001992.007	ENVIRONMENTAL RADON MEASUREMENTS USING EPERMS FOR JULY 1992.  ACQN/DEVL LOCATION : RFPD NEAR FIELD SAMPLING SITES	07/06/92-08/05/92	EPERM DATA ACQUIRED PER TMSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001992.008	ENVIRONMENTAL RADON MEASUREMENTS USING EPERMS FOR AUGUST 1992.  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES.	08/05/92-09/04/92	EPERM DATA ACQUIRED PER TMSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001992.009	ENVIRONMENTAL RADON MEASUREMENTS USING EPERMS FOR SEPTEMBER 1992.  ACQN/DEVL LOCATION : RFPD NEAR FIELD SAMPLING SITES	09/04/92-10/02/92	EPERM DATA ACQUIRED PER TMSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001992.010	ENVIRONMENTAL RADON MEASUREMENTS FOR OCTOBER 1992.  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES.	10/02/92-11/04/92	DATA ACQUIRED PER TMSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001992.011	ENVIRONMENTAL RADON MEASUREMENTS FOR NOVEMBER 1992.  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES.	11/04/92-12/02/92	DATA ACQUIRED PER TMSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001992.012	ENVIRONMENTAL RADON MEASUREMENTS FOR DECEMBER 1992.  ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES.	12/02/92-01/04/93	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	
TM000000001992.013	ENVIRONMENTAL THERMOLUMINESCENT (TLD) DATA FOR FIRST QUARTER OF 1992.	01/03/92-04/10/92	TLD DATA ACQUIRED PER T&MSS WORK INSTRUCTIONS WI-RM-901, 902, 903, AND 905. TLD PROCESSING BY VENDOR.	A Y C
ACQN/DEVL LOCATION : RFPD FAR AND NEAR FIELD MONITORING SITES				
TM000000001992.014	ENVIRONMENTAL THERMOLUMINESCENT DOSIMETER (TLD) DATA FOR SECOND QUARTER 1992.	03/25/92-07/10/92	TLD EXCHANGE AND HANDLING PER T&MSS WORK INSTRUCTIONS WI-RM-901, 902, 903, AND 905. TLD ANALYSIS PERFORMED BY TELEDYNE ISOTOPES OF WESTWOOD, N.J.	A Y C
ACQN/DEVL LOCATION : RFPD NEAR AND FAR FIELD MONITORING SITES.				
TM000000001992.015	ENVIRONMENTAL THERMOLUMINESCENT DOSIMETER (TLD) DATA FOR THIRD QUARTER 1992.	06/29/92-10/13/92	TLD EXCHANGE AND HANDLING PER TMSS WORK INSTRUCTIONS WI-RM-901, 902, 903, AND 905. TLD ANALYSIS PERFORMED BY TELEDYNE ISOTOPES OF WESTWOOD, N.J.	A Y C
ACQN/DEVL LOCATION : RFPD FAR FIELD AND NEAR FIELD MONITORING SITES.				
TM000000001992.017	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF NEAR FIELD SOIL SAMPLES. SOIL SAMPLES OBTAINED FROM NEAR FIELD SITES 6, 10, 11, 17, 61, 67, 89, 94, 95, 98, 100, AND 103, AND NORTH PORTAL TEST PITS TP14 AND TP30A. SAMPLES GATHERED BETWEEN 1/17/91 AND 4/21/92.	03/16/92-07/15/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C
ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM000000001992.018	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF NEAR FIELD CONTINUOUS AIR SAMPLER (CAS) FILTERS FOR THE FIRST, SECOND AND THIRD QUARTERS OF 1991. SAMPLES OBTAINED FROM NEAR FIELD SITES 6, 10, 11, 61, AND 67.  ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ.	03/27/92-06/17/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C
TM000000001992.019	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF NEAR FIELD SOIL SAMPLES. SOIL SAMPLE OBTAINED FROM NEAR FIELD SITES 88, 91, 92, 93, AND U216. SAMPLES GATHERED BETWEEN 10/2/91 AND 12/16/91.  ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ.	03/18/92-07/28/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C
TMC000000001992.020	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF NEAR FIELD SOIL SAMPLES. SOIL SAMPLES OBTAINED FROM NEAR FIELD SITES 17, 89, 94, 95, 98, 100, 103, NPH-TP14 AND TP30A, AND A25-011791. SAMPLES GATHERED BETWEEN 7/71/91 AND 4/21/92.  ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ.	07/23/92-08/07/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C
TM000000001992.021	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF NEAR FIELD CAS AIR FILTERS. SAMPLES OBTAINED FROM NEAR FIELD SITES 6, 10, 11, 61, AND 67. SAMPLES GATHERED BETWEEN 10/2/91 AND 1/7/92 (4TH QUARTER 1991).  ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, NJ.	07/09/92-07/23/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C

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TM000000001992.022	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1992 NEAR FIELD CONTINUOUS AIR SAMPLES FROM FIRST QUARTER. SAMPLES OBTAINED FROM NEAR FIELD SITES 6, 10, 11, 17, 61, 67, 86, AND 87.  ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, N.J.	07/11/92-08/20/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C
TM000000001992.023	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1992 NEAR FIELD SOIL SAMPLES. SAMPLES OBTAINED FROM NEAR FIELD SITES 6, 10, 11, 61, 67, 86, AND 87.  ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, N.J.	07/24/92-09/04/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C
TM000000001992.024	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 2ND QTR 1992 CAS SAMPLES. SAMPLES OBTAINED FROM 3/30/92 THROUGH 6/26/92.  ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, N.J.	08/29/92-10/06/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C
TM000000001992.025	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1ST QTR 1992 CAS SAMPLES. SAMPLES OBTAINED FROM 12/29/91 THROUGH 3/24/92.  ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, N.J.	07/20/92-10/21/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C



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TM000000001992.026	FO-210 RADIOCHEMICAL ANALYTICAL RESULTS FOR BIOTA, CAS, AND SOIL SAMPLES FROM WORK ORDER NUMBERS 4-2406, 4-2407, 4-2487, 4-2617, 4-2634, AND 4-2835.  ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, N.J.	08/10/92-10/02/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C
TM000000001992.027	FAR FIELD SITE 19 AND 23 PRESSURIZED IONIZATION CHAMBER MEASUREMENTS FOR 1992.  ACQN/DEVL LOCATION : FAR FIELD MONITORING SITES 19 AND 23.	12/02/91-11/06/92	DATA ACQUIRED PER TMSS WORK INSTRUCTION WI-RM-904, REVISION 0.	A Y C
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
TM000000001993.002	ENVIRONMENTAL RADON MEASUREMENTS FOR FEBRUARY 1993.  ACQN/DEVL LOCATION : RFPD NEAR FIELD AND FAR FIELD SITES.	02/02/93-03/04/93	DATA ACQUIRED IN ACCORDANCE WITH TMSS WORK INSTRUCTION WI-RM-770, REVISION 4, ICN 0.	A Y C
TM000000001993.003	ENVIRONMENTAL RADON MEASUREMENTS FOR MARCH 1993.  ACQN/DEVL LOCATION : RFPD FAR AND NEAR FIELD SITES.	03/02/93-04/08/93	DATA ACQUIRED IN ACCORDANCE WITH 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	
TM000019891990.001	YUCCA MOUNTAIN PROJECT SITE RADIOLOGICAL MONITORING DATA SUMMARY REPORT FOR CALENDAR YEARS 1989-1990.	01/01/89-12/31/90	COLLECTION METHODS CONSISTENT WITH THE COLLECTION METHODS SPECIFIED IN THE ENVIRONMENTAL REGULATORY GUIDE FOR RADIOLOGICAL EFFLUENT MONITORING AND ENVIRONMENTAL SURVEILLANCE JANUARY 1991 AS REQUIRED BY DOE ORDER 5400.5 FEBRUARY 8, 1990.	D N C
	ACQN/DEVL LOCATION : 84 KM RADIUS OF N765621.5(N), E570434.6(N)			
TM000019891991.001	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1989 AND 1991 BIOTA SAMPLES. SAMPLES OBTAINED FROM NEAR FIELD SITES 5, 12, 14, 37, 58, 59, AND 69. SAMPLES OBTAINED IN 4/89, 5/89 OR 10/91.	08/05/92-10/07/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C
	ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, N.J.			
TM000019901991.001	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1990 AND 1991 VEGETATION SAMPLES. SAMPLES FROM NEAR FIELD SITES 81, 73, 32, 35, 85, 34, 70, 45, 80, 33, 26, 38, 82, 84, AND 77.	08/03/92-10/03/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y P
	ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, N.J.			
TM000019911992.001	ANALYTICAL RESULTS OF RADIOCHEMICAL ANALYSIS OF 1991 AND 1992 BIOTA SAMPLES. SAMPLES OBTAINED FROM NEAR FIELD SITES 5, 12, 2, 37, 58, AND 69. SAMPLES OBTAINED IN EITHER 10/91 OR 4/92.	07/29/92-09/10/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C
	ACQN/DEVL LOCATION : TELEDYNE ISOTOPES OF WESTWOOD, N.J.			

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## RADIOLOGICAL MONITORING PLAN

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM00012562T1BA.001	SUMMARY OF SOCIOECONOMIC DATA ANALYSES CONDUCTED IN SUPPORT OF THE RADIOLOGICAL MONITORING PROGRAM DURING FY 1989 (NOVEMBER 1989).	10/01/88-09/30/89	COLLECTION OF SECONDARY DATA WHICH DESCRIBES THE DEVELOPMENT OF CHARACTERISTICS OF SOUTHERN NYE COUNTY. THESE DATA WERE OBTAINED FROM VALLEY ELECTRIC ASSOCIATION IN PAHRUMP. DATA WAS VERIFIED BY FIELD OBSERVATIONS.	A N C
ACQN/DEVL LOCATION : 84 KM RADIUS OF N765621.5(N), E570434.6(N)				
TM00012562T1BA.002	APPENDIX B, SOCIOECONOMIC DATA COMPILED BY GRID IN SUPPORT OF THE RADIOLOGICAL MONITORING PROGRAM.	10/01/88-09/30/89	COLLECTION OF SECONDARY DATA WHICH DESCRIBES THE DEVELOPMENT CHARACTERISTICS OF SOUTHERN NYE COUNTY. THESE DATA WERE OBTAINED FROM VALLEY ELECTRIC ASSOCIATION IN PAHRUMP. DATA WAS VERIFIED BY FIELD OBSERVATIONS.	A N C
ACQN/DEVL LOCATION : 84 KM RADIUS OF N765621.5(N), E570434.6(N)				
TM00012562T1BA.003	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SUMMARY OF SOCIOECONOMIC DATA ANALYSES CONDUCTED IN SUPPORT OF THE RADIOLOGICAL MONITORING PROGRAM DURING FY 1990 (DECEMBER 1990).	10/01/89-09/30/90	COLLECTION OF SECONDARY DATA WHICH DESCRIBES THE DEVELOPMENT CHARACTERISTICS OF SOUTHERN NYE COUNTY. THESE DATA WERE OBTAINED FROM LOCAL EXPERTS IN EACH COMMUNITY AND VERIFIED BY FIELD OBSERVATIONS.	A N C
ACQN/DEVL LOCATION : 84 KM RADIUS OF N765621.5(N), E570434.6(N)				
TM00012562T1BA.004	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SUMMARY OF SOCIOECONOMIC DATA ANALYSES CONDUCTED IN SUPPORT OF THE RADIOLOGICAL MONITORING PROGRAM DURING CALENDAR YEAR 1990 (APRIL 1991).	01/01/90-12/31/90	COLLECTION OF SECONDARY DATA WHICH DESCRIBES THE DEVELOPMENT CHARACTERISTICS OF SOUTHERN NYE COUNTY DURING CALENDAR YEAR 1990. THESE DATA WERE OBTAINED FROM LOCAL EXPERTS IN EACH COMMUNITY AND VERIFIED BY FIELD OBSERVATIONS.	A N C
ACQN/DEVL LOCATION : 84 KM RADIUS OF N765621.5(N), E570434.6(N)				

# RADIOLOGICAL MONITORING PLAN

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM00012562T1BA.006	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SUMMARY OF SOCIOECONOMIC DATA ANALYSES CONDUCTED IN SUPPORT OF THE RADIOLOGICAL MONITORING PROGRAM DURING CALENDAR YEAR 1991 (APRIL 1992)	01/01/91-12/31/91	COLLECTION OF SECONDARY DATA WHICH DESCRIBES THE DEVELOPMENT CHARACTERISTICS OF SOUTHERN NYE COUNTY AND PORTIONS OF CLARK COUNTY. THESE DATA WERE OBTAINED FROM LOCAL EXPERTS IN EACH COMMUNITY AND VERIFIED BY FIELD OBSERVATIONS.	A Y C
ACQN/DEVL LOCATION : 84 KM RADIUS OF 116 25 35.1W 36 51 05.46N				
TM000121362T1DA.001	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SUMMARY OF SOCIOECONOMIC DATA ANALYSES CONDUCTED IN SUPPORT OF THE RADIOLOGICAL MONITORING PROGRAM DURING CALENDAR YEAR 1992 (MAY 1993)	01/01/92-12/31/92	COLLECTION OF DATA THAT DESCRIBES THE DEVELOPMENTAL CHARACTERISTICS OF SOUTHERN NYE COUNTY, PORTIONS OF CLARK COUNTY, AND PORTIONS OF DEATH VALLEY NATIONAL MONUMENT, CALIFORNIA. THESE DATA WERE OBTAINED FROM LOCAL EXPERTS WITHIN THE COMMUNITIES, FROM FIELD OBSERVATIONS, AND FROM SECONDARY SOURCES.	A Y C
ACQN/DEVL LOCATION : 84 KM RADIUS OF N765621.5(N), E570434.6(N)				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.1.1.1				
GS901208312111.001	SURFACE-WATER DISCHARGE DATA INCLUDING COPIES OF RECORDER CHARTS, DISCHARGE MEASUREMENT NOTES, AND PRECIPITATION DATA COLLECTED DURING WATER YEARS 1983-85 FOR YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NEVADA.	10/01/82-09/30/85	DATA WERE COLLECTED USING METHODS DESCRIBED IN THE USGS-TWRI'S: BOOK 3, CHAPS. A1, A2, A3, AND A8, BOOK 5, CHAPS. A2, BOOK 8, CHAPS. A2, B2, AND USGS-WSP2175.	A N P
	ACQN/DEVL LOCATION : 36 00'N 117 00'W 37 30'N 115 30'W			
GS910208312111.002	SURFACE-WATER DISCHARGE DATA, INCLUDING COPIES OF RECORDER CHARTS, DISCHARGE MEASUREMENTS NOTES, AND PRECIPITATION DATA COLLECTED DURING WATER YEARS 1986-1990 FOR YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NEVADA.	10/01/85-09/30/90	DATA WERE COLLECTED USING METHODS DESCRIBED IN USGS TWRI'S BOOK 3, CHAPTERS A1, A2, A3, AND A8; BOOK 5, CHAPTERS A1; BOOK 8, CHAPTERS A2, B2; AND USGS-WSP 2175. ALSO HP'S 40, 43, 44, 45, 91, 100, 114, 115, 116, 117, 166, 169.	A Y P
	ACQN/DEVL LOCATION : 36 00'N 117 00'W 37 30'N 115 30'W			
GS911108312111.003	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 HP'S 40, 43, 44, 45, 91, 100, 114, 115, 116, 117, 166 AND 169.	A Y P
	ACQN/DEVL LOCATION : 36 00'N 117 00'W ; 36 00'N 115 30'W 37 00'N 117 00'W ; 37 00'N 115 30'W			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920308312111.001	0.1MM RESOLUTION PRECIPITATION DATA GENERATED BY THE QUALIMETRICS, INC. MODEL 6041-B PROPANE HEATED TIPPING BUCKET RAIN AND SNOW GAGE.  ACQN/DEVL LOCATION : YUCCA MOUNTAIN	05/03/89-03/20/92	AUTOMATED PRECIPITATION GAGE AND C.S.I. 21X DATALOGGER.	A N P
GS920308312111.002	WIND SPEED DATA GENERATED BY A MET-ONE INC. MODEL 024A (SERIAL NO. 503-83) AT WEATHER STATION NO. 5 DURING THE PERIOD MAY 3, 1989 TO JANUARY 11, 1990.  ACQN/DEVL LOCATION : YUCCA MOUNTAIN	05/03/89-01/11/90	MET-ONE INC. MODEL 024A WIND SPEED SENSOR AND C.S.I. 21X DATALOGGER.	A N P
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	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 P
GS920708312111.006	METEOROLOGICAL DATA CONSISTING OF WIND SPEED DIRECTION, AMBIENT AIR TEMPERATURE, RELATIVE HUMIDITY, NET SOLAR RADIATION, PRECIPITATION, AND BAROMETRIC PRESSURE. DATA WERE COLLECTED AT FIVE WEATHER STATIONS WITHIN THE YUCCA MOUNTAIN AREA.  ACQN/DEVL LOCATION : 713968N(N)610564E(N) 759011N(N)567934E(N) 760134N(N)558356E(N) 771482N(N)560148E(N)	10/01/89-09/30/91	DATA WERE GENERATED BY SENSORS MOUNTED ON AUTOMATED DATA COLLECTION PLATFORMS OPERATING AT REMOTE FIELD LOCATIONS. DATA WERE RECORDED BY DATALOGGERS AND STORED DIGITALLY ON MAGNETIC TAPE AT EACH FIELD LOCATION. TAPES WERE PERIODICALLY RETRIEVED AND DOWNLOADED TO A COMPUTER DATABASE. DATA COULD ALSO BE RETRIEVED VIA RADIO TELEMETRY LINKS WITH EACH SITE. DATA ARE ARCHIVED ON REMOVABLE CARTRIDGE DISKS.	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930108312111.001	METEOROLOGICAL DATA CONSISTING OF AMBIENT AIR TEMPERATURE AND NET SOLAR RADIATION. DATA WERE COLLECTED AT WEATHER STATION WITHIN YUCCA MOUNTAIN AREA, BETWEEN 10/1/92 AND 10/7/92.	10/01/92-10/07/92	HP-97, R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CAMPBELL SCIENTIFIC, INC. 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE. MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER. DATA WERE GENERATED BY SENSORS MOUNTED ON AN AUTOMATED DATA COLLECTION PLATFORM OPERATING AT A REMOTE FIELD LOCATION. DATA WERE RECORDED BY A DATALOGGER AND STORED DIGITALLY ON MAGNETIC TAPE. TAPES WERE PERIODICALLY RETRIEVED AND DOWNLOADED TO A COMPUTER DATABASE. DATA ARE ARCHIVED ON REMOVABLE CARTRIDGE DISKS.	A Y P
ACQN/DEVL LOCATION : N759011(N) E567934(N)				
GS930108312111.002	METEOROLOGICAL DATA. CONSISTS OF WIND SPEED, WIND DIRECTION, AIR TEMPERATURE, RELATIVE HUMIDITY, NET SOLAR RADIATION, PRECIPITATION, AND BAROMETRIC PRESSURE. DATA WERE COLLECTED AT FIVE WEATHER STATIONS PLUS FOUR ADDITIONAL PRECIP. SITES BETWEEN 10/1/91, AND 9/30/92.	10/01/91-09/30/92	DATA WERE GENERATED BY SENSORS MOUNTED ON AUTOMATED DATA COLLECTION PLATFORMS OPERATING AT REMOTE FIELD LOCATIONS ON AND AROUND YUCCA MOUNTAIN. DATA WERE RECORDED BY DATA LOGGERS AND STORED ON MAGNETIC TAPE. TAPES WERE RETRIEVED AND DOWNLOADED TO A COMPUTER DATABASE ON REMOVABLE DISK CARTRIDGES.	A N P
ACQN/DEVL LOCATION : N742400(N) E576300(N) N743968(N) E610564(N) N751136(N) E560265(N) N754015(N) E573575(N) N757500(N) E555739(N) N759011(N) E567934(N) N760134(N) E558356(N) N768606(N) E566119(N) N771482(N) E560148(N) N782850(N) E554986(N)				

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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.	A N P
ACQN/DEVL LOCATION : N730000(N) E550000(N) ;N770000(N) E610000(N)				
GS930108312111.004	PRECIPITATION DEPTH, IN INCHES, FOR EVENTS BETWEEN 10/1/92 AND 10/07/92, COLLECTED USING A NON-AUTOMATED, COLLECTOR-TYPE PLASTIC GAUGE AT UE-25 UZN #7. MEASUREMENTS WERE TAKEN AFTER EACH MAJOR PRECIPITATION EVENT AND TOTALLED FOR EACH MONTH.	10/01/92-10/07/92	PRECIPITATION AMOUNTS WERE READ DIRECTLY FROM A SCALE IMPRINTED ON THE SIDE OF THE GAUGE. MEASUREMENTS WERE MADE IN INCHES OF RAINFALL.	A N P
ACQN/DEVL LOCATION : UE-25 UZN #7 USGS HRF, AREA 25, MERCURY, NV				
GS930408312111.005	PRECIPITATION ESTIMATION IN MOUNTAINOUS TERRAIN USING MULTIVARIATE GEOSTATISTICS, PART II: ISORHYETAL MAPS, BY JOSEPH A. HEVESI, ALAN L. FLINT, AND JONATHAN D. ISTOK. AVERAGE ANNUAL PRECIPITATION ESTIMATES FOR THE UPPER AMARGOSA RIVER WATERSHED.	08/01/88-08/31/89 09/01/89-10/31/91	ESTIMATES OF AVERAGE ANNUAL PRECIPITATION WERE OBTAINED WITH A MULTIVARIATE GEOSTATISTICAL MODEL, ESTIMATES AND ESTIMATION VARIANCES CALCULATED USING ORDINARY KRIGING AND COKRIGING. STATISTICAL ANALYSES, MODEL FITTING AND CROSS VALIDATION ARE FULLY DESCRIBED IN HEVESI AND OTHERS (1992) COMPANION REPORT, PART I: STRUCTURAL ANALYSIS. CLASSICAL STATISTICAL METHODS AND ANALYSIS PERFORMED USING STATGRAPHICS AND FURTHER ANALYSIS USING GAP (GEOSTATISTICAL ANALYSIS PACKAGE) SOFTWARE. MAP IMAGES PRODUCED USING SURFER.	D N C
ACQN/DEVL LOCATION : USGS TEST CELL C, AREA 25, NTS				



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.1.2.1				
GS901208312111.001	SURFACE-WATER DISCHARGE DATA INCLUDING COPIES OF RECORDER CHARTS, DISCHARGE MEASUREMENT NOTES, AND PRECIPITATION DATA COLLECTED DURING WATER YEARS 1983-85 FOR YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NEVADA.	10/01/82-09/30/85	DATA WERE COLLECTED USING METHODS DESCRIBED IN THE USGS-TWRI'S: BOOK 3, CHAPS. A1, A2, A3, AND A8, BOOK 5, CHAPS. A1, BOOK 8, CHAPS. A2, B2, AND USGS-WSP2175.	A N P
ACQN/DEVL LOCATION : 36 00'N 117 00'N 37 30'N 115 30'W				
GS910208312111.002	SURFACE-WATER DISCHARGE DATA, INCLUDING COPIES OF RECORDER CHARTS, DISCHARGE MEASUREMENTS NOTES, AND PRECIPITATION DATA COLLECTED DURING WATER YEARS 1986-1990 FOR YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NEVADA.	10/01/85-09/30/90	DATA WERE COLLECTED USING METHODS DESCRIBED IN USGS TWRI'S BOOK 3, CHAPTERS A1, A2, A3, AND A8; BOOK 5, CHAPTERS A1; BOOK 8, CHAPTERS A2, B2; AND USGS-WSP 2175. ALSO HP'S 40, 43, 44, 45, 91, 100, 114, 115, 116, 117, 166, 169.	A Y P
ACQN/DEVL LOCATION : 36 00'N 117 00'N 37 30'N 115 30'W				
GS920708312121.001	SURFACE-WATER DISCHARGE DATA INCLUDING COPIES OF RECORDER CHARTS, DISCHARGE MEASUREMENTS, AND NOTES COLLECTED DURING WATER YEARS 1983-85 FOR YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NEVADA.	06/01/91-07/31/92	DATA WAS DEVELOPED USING METHOD DESCRIBED IN USGS-TWRTI'S BOOK 3, CH. A1, A2, A3, A8, AND A13; BOOK 4 CH. B1; BOOK 8 CH. A2 AND B2; AND USGS-WSP 2175.	A N P
ACQN/DEVL LOCATION : USGS-WRD, LAS VEGAS				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
92971108312121.001	SURFACE WATER DISCHARGE DATA INCLUDING COPIES OF RECORDER CHARTS AND PRECIPITATION DATA COLLECTED DURING THE 1992 WATER YEAR FOR YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NV, AND INYO COUNTY CA.	10/01/91-09/30/92	THESE DATA WERE COLLECTED UNDER HP#S HP-43,R1&R2, INSTALL., OPER., & INSPECT OF TWO TYPES OF NON-RECORDING RAIN GAGES, HP-54,R0&R1, WATER-FLOW MEAS USING 90 DEG V-NOTCH WEIRS, FLUMES, & BARRELS, HP-91, R3, COLLECT & FIELD ANALY OF SURFACE-WATER SAMPLES, HP-100,R0,R1, STREAM DISCHARGE MEAS USING A TYPE-AA PRICE CURRENT METER, HP-114,R0&R1, EST OF STREAMFLOW DISCHARGE, HP-115,R1, DETER OF PEAK STREAMFLOW DISCHARGE USING CULVERTS, HP-116,R0&R1, METHOD TO INSTALL, OPER, & EXAMINE A REC-STREAMFLOW GAGE THAT USES A STILL-WELL SYSTEM (WITH A CONT GRAPHIC RECORDER), HP-117,R0&R1, INSTALL, INSPECT & MAINT OF SCOUR CHAINS AT STREAMFLOW GAGING SITES, HP-166,R0&R1, STREAM DISCHARGE MEAS USING A FYGMY CURRENT METER, HP169,R1, DETER OF PEAK STREAMFLOW DISCHARGE BY THE SLOPE-AREA METHOD, & HP-219,R0, METHOD TO INSTALL, OPER & EXAM A RECORDING STREAMFLOW GAGE USING THE FLUID DATA G-II MANOMETER SYSTEM.	A Y P

ACQN/DEVL LOCATION : 34 50'55"N 117 00'00"W  
37 30'00"N 116 13'45"W

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.1.2.2				
05910308312122.001	DEBRIS TRANSPORT DATA COLLECTED DURING AUGUST 1989.	08/09/89-08/10/89	DATA WERE COLLECTED USING METHODS DESCRIBED IN HP-174, REVISION 0 AND REVISION 1.	A Y P
ACQN/DEVL LOCATION : MILLER MOUNTAIN, NV AND BENTON, CA				
05910908312122.002	PARTICLE-SIZE DISTRIBUTION ANALYSES.	11/16/90-11/16/90	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 : 39 17'25"N 119 49'25"W				
05910908312122.003	PARTICLE-SIZE DISTRIBUTION ANALYSES.	05/22/91-05/22/91	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 : 39 17'25"N 119 49'25"W				
05910908312122.004	PARTICLE-SIZE DISTRIBUTION ANALYSES.	11/08/90-11/08/90	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 : 36 14'36"N 118 03'25"W				

# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T O D U L I O F L I A T F T Y I I P E O E D N
GS910908312122.005	PARTICLE-SIZE DISTRIBUTION ANALYSES.	11/09/90-11/09/90	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 : 36 14'36"N 118 03'25"W				
GS920308312122.001	SCIENTIFIC NOTEBOOK, USGS-SN-0002, VOL. 2; TRANSPORT OF DEBRIS BY SEVERE RUNOFF, FOR THE PERIOD OF 11/16/90 TO 8/16/91.	11/16/90-08/16/91	THIS SCIENTIFIC NOTEBOOK AND THE DOCUMENTATION THEREIN WERE DEVELOPED UNDER HP-197T, R0 AND QMP 5.05, R2.	A Y P
ACQN/DEVL LOCATION : NTS AND A 200 MILE RADIUS THEREOF.				
Activity - 8.3.1.2.1.3.1				
GS930508312131.001	STOP 14: REGIONAL AND LOCAL FLOW SYSTEMS NEAR YUCCA MOUNTAIN, BY J.B. CZARNECKI AND R.R. LUCKEY	01/01/88-04/18/89	AUTHORS' VISUAL DESCRIPTIONS, INTERPRETATIONS AND SUMMARIES OF PREVIOUSLY PUBLISHED REPORTS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.2.1.3.2				
GS910408312134.002	WELL TEST DATA FOR WELLS AT FRANKLIN LAKE PLAYA.	05/01/83-05/01/87	USGS STANDARD COLLECTION METHODS.	A N C
ACQN/DEVL LOCATION : 36 10'N 116 20'W ; 36 18'N 116 20'W 36 18'N 116 25'W ; 36 10'N 116 25'W				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS910408312134.004	POTENTIOMETRIC DATA AND ANALYSES FOR FRANKLIN LAKE PLAYA.  ACQN/DEVL LOCATION : 36 10'N 116 20'W ;36 18'N 116 20'W 36 18'N 116 25'W ;36 10'N 116 25'W	05/01/83-05/01/87	USGS STANDARD COLLECTION METHODS.	A N C
GS910908312132.001	GEOHYDROLOGIC DATA FOR TEST WELL USW H-6, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, BY R.W. CRAIG, R.L. REED, AND R.W. SPENGLER  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/83-11/02/83	USGS STANDARD COLLECTION METHODS.	D N T
GS910908312132.002	GEOHYDROLOGIC DATA FOR TEST WELL USW H-5, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, BY C.B. BENTLEY, J.H. ROBISON, AND R.W. SPENGLER.  ACQN/DEVL LOCATION : N766643(N) E558943(N) USGS, DENVER CO	05/19/82-11/10/83	LITHOLOGIC SAMPLING, WELL LOGGING, HYDROLOGIC TESTING, AND WATER SAMPLING ACCORDING TO USGS STANDARD METHODS.	D N T
GS920308312132.001	GROUND WATER LEVELS MEASURED IN SELECTED WELLS IN THE AMARGOSA DESERT. PIEZOMETERS WERE USED RESULTING IN TWO LEVELS OF MEASUREMENTS IN SAME WELL.  ACQN/DEVL LOCATION : 36 15'22"N 116 04'47"W 36 15'33"N 116 11'14"W 36 18'23"N 116 25'14"W 36 31'34"N 116 29'20"W 36 32'34"N 116 32'17"W 36 32'43"N 116 35'41"W 36 33'16"N 116 36'24"W 36 34'10"N 116 26'11"W 36 52'53"N 116 45'05"W AM-1 AM-2 JC-5 LC-262	05/21/91-06/07/91	WATER LEVEL DATA WERE ACQUIRED USING WELL SOUNDER (HP-99, R1) AND HAND HELD STEEL TAPE (HP-61, R0).	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	NA-6 NT-1 S-1 WELL 13 WELL 14			
GS920608312132.002	LITHOLOGICAL DESCRIPTIONS OF BOREHOLE CUTTINGS FROM TWO WELLS (AMARGOSA DESERT): 1)FELDERHOFF-FEDERAL-25-1 - TOTAL 337 SAMPLES 2) FELDERHOFF-FEDERAL-5-1 - TOTAL 53 SAMPLES.  ACQN/DEVL LOCATION : T16S R50E SECTION 5	09/17/91-10/23/91	CONVENTIONAL LITHOLOGICAL DESCRIPTIONS	A N P
GS920908312132.004	HYDRAULIC-HEAD DATA (WATER-LEVELS) FROM GS-15, GS-16, AND GS-17.  ACQN/DEVL LOCATION : GS-15 GS-16 GS-17	06/09/89-08/31/92	HYDRAULIC HEAD DATA WERE MEASURED USING ROLL SOUNDER HP-99,R1, INSTRUCTION FOR OPERATING OF A WELL SOUNDER FOR MEASURING WATER LEVELS, AND HAND HELD STEEL TAPE, HP-61,R0, USE OF HAND-HELD STEEL TAPES (IN VERTICAL BOREHOLES).	A Y P
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	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 P

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS9J0108312132.001	HYDROLOGY OF YUCCA MOUNTAIN AND VICINITY, NEVADA - CALIFORNIA: INVESTIGATIVE RESULTS THROUGH MID-1983, BY R.K. WADDELL, J.H. ROBISON, & R.K. BLANKENHAGEL.	01/01/84-08/20/84	COMPILATION OF HYDROLOGIC DATA COLLECTED AND ANALYZED THROUGH MID-1983 FOR INCLUSION IN THE SITE CHARACTERIZATION REPORT (SCR) FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS. DATA TYPES INCLUDE HYDROCHEMISTRY.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS9J0408312132.005	GEOHYDROLOGY OF ROCKS PENETRATED BY TEST WELL USW G-4, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY DAVID H. LOBMEYER.	01/01/85-01/14/86	ANALYSIS OF DRAWDOWN WHILE PUMPING MADE BY PLOTTING DISTANCE VS. TIME ON LOGARITHMIC COORDINATE PAPER. TRANSMISSIVITY ESTIMATED BY COMPARING STATED FORMULA TO DRAWDOWN CURVE. PACKER INJECTION TESTS INTERPRETED USING METHOD OF COOPER, H.H., AND OTHERS, 1967, AND PAPADOPULOS, I.S., AND OTHERS, 1973. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS9J0408312132.006	HYDROLOGIC FRAMEWORK OF THE YUCCA MOUNTAIN AREA, NEVADA, BY W.W. DUDLEY, W.E. WILSON AND D.T. ROXIE.	01/01/89-02/16/90	SUMMARY AND INTERPRETATION OF PREVIOUSLY PUBLISHED REPORTS ON THE HYDROLOGIC AND GEOLOGIC PROCESSES OF THE SATURATED ZONE, REGIONAL AND SITE SCALE, AND THE UNSATURATED ZONE, SITE SCALE.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO.				

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# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930408312132.007	GEOHYDROLOGIC DATA AND TEST RESULTS FROM WELL J-13, NEVADA TEST SITE, NYE COUNTY, NEVADA, BY WILLIAM THORDARSON	01/01/82-01/01/83	PREVIOUSLY COLLECTED DATA WERE RE-ANALYZED AND REINTERPRETED FOR PHYSICAL PROPERTIES, INCLUDING: DENSITY, TOTAL POROSITY, WATER CONTENT, PERCENT SATURATION, SONIC VELOCITIES, AND TRANSMISSIVITY AND HYDRAULIC CONDUCTIVITY.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930408312132.008	HYDROLOGIC AND DRILL-HOLE DATA FOR TEST WELLS UE-29A#1 (UE-29A #1) AND UE-29A#2 (UE-29A #2), FORTY MILE CANYON, NEVADA TEST SITE, BY RICHARD K. WADDELL, JR.	01/01/83-02/17/84	DEVELOPMENT FOR DATA COLLECTED AFTER DRILLING AND PUMPING, INCLUDING DISCHARGE RATES, SPECIFIC CONDUCTANCE, LITHIUM CONCENTRATION, PH, AND WATER CHEMISTRY, ACCORDING TO USGS STANDARD METHODS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930408312132.009	WATER LEVELS IN PERIODICALLY MEASURED WELLS IN THE YUCCA MOUNTAIN AREA, NEVADA, 1981-87, BY J.H. ROBISON, D.M. STEPHENS, F.R. LUCKEY, AND D.A. BALDWIN.	01/01/87-01/01/88	HYDROGRAPHS OF WATER-LEVEL ALTITUDE AFTER DEPTH CORRECTIONS FOR WATER-TABLE, GEOLOGIC, HYDROLOGIC, AND SUPPLY WELL DATA.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930408312132.010	HYDROLOGY, BY W.E. WILSON -- FY 1982 REPORT	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM HYDRAULIC TESTS AND PALEOHYDROLOGIC STUDIES INCLUDING POTENTIOMETRIC LEVELS, TRANSMISSIVITY, WATER CHEMISTRY, AND CARBON-14 DATING.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO.				



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930408312132.011	HYDROLOGY, BY W.E. WILSON -- FY 1980 REPORT	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL AND HYDROGEOLOGICAL STUDIES INCLUDING GROUNDWATER CHEMISTRY, MINERALOGY, X-RAY DIFFRACTION, TEMPERATURE AND CLIMATE.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO.				
GS930508312132.012	HYDROLOGY, BY D.I. LEAF -- FY 1979 REPORT	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM PALEOHYDROLOGICAL, MINERALOGICAL, AND GEOPHYSICAL STUDIES.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930508312132.015	HYDROLOGY, BY W.E. WILSON -- FY 1981 REPORT.	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL, HYDROLOGICAL, AND GEOPHYSICAL STUDIES INCLUDING STRATIGRAPHY, PALEOHYDROLOGY, WATER CHEMISTRY, RADIONUCLIDE TRANSPORT AND CLIMATE.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930508312132.016	GEOHYDROLOGY OF HOLE UE17A, SYNCLINE RIDGE AREA, NEVADA TEST SITE, BY J.E. WEIR, JR., AND J.N. HODSON	01/01/78-01/01/79	CORE SAMPLES WERE CHARACTERIZED LITHOLOGICALLY. WATER LEVEL WAS REPEATEDLY MEASURED TO INDICATE HYDRAULIC HEADS AND JETTING TESTS WERE RUN TO TEST TRANSMISSIVITY. WATER WAS ANALYZED FOR CHEMICAL IONS BY USGS STANDARD METHODS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930508312132.017	CHARACTERIZATION OF THE SUBREGIONAL GROUNDWATER FLOW SYSTEM AT YUCCA MOUNTAIN AND VICINITY, NEVADA-CALIFORNIA BY JOHN B. CZARNECKI.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-12/20/88	AUTHOR'S SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS.	D N P
GS930708312291.003	MULTIDISCIPLINARY HYDROLOGIC INVESTIGATIONS AT YUCCA MOUNTAIN, NEVADA, BY WILLIAM W. DUDLEY, JR.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/89-02/05/90	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED MATERIAL.	D N P
Activity - 8.3.1.2.1.3.3				
GS910708312133.001	FREQUENCY ANALYSIS OF ROCK VALLEY ANNUAL PRECIPITATION. SUMMARY OF MONTHLY WATER BALANCE FOR 1965-1976. SUMMARY OF MONTHLY WATER BALANCE FOR 1969. SUMMARY OF ORIGINAL CREAMS MODEL INPUT/OUTPUT.  ACQN/DEVL LOCATION : USGS	01/01/65-01/01/76	THIS WAS AN APPLICATION OF THE CREAMS MODEL - A FIELD SCALE MODEL FOR CHEMICALS RUNOFF AND EROSION FROM AGRICULTURAL MANAGEMENT SYSTEMS. THE ROCK VALLEY PRECIPITATION DATA WAS COMPILED BY LEONARD LANE. THE 1965-76 DATA FOR MONTHLY WATER BALANCE WERE ESTIMATED FROM THE CREAM MODEL AND OBSERVED PRECIPITATION DATA.	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.1.3.4				
GS910408312134.001	EVAPOTRANSPIRATION DATA, RESULTS FROM EDDY-CORRELATION PLOTS AND ANALYSES FOR FRANKLIN LAKE PLAYA. POTENTIAL EVAPOTRANSPIRATION FOR FRANKLIN LAKE.	05/01/83-05/01/87	USGS STANDARD COLLECTION METHODS.	A N C
	ACQN/DEVL LOCATION : 36 10'N 116 20'W ; 36 18'N 116 20'W 36 18'N 116 25'W ; 36 10'N 116 25'W			
GS910408312134.002	WELL TEST DATA FOR WELLS AT FRANKLIN LAKE PLAYA.	05/01/83-05/01/87	USGS STANDARD COLLECTION METHODS.	A N C
	ACQN/DEVL LOCATION : 36 10'N 116 20'W ; 36 18'N 116 20'W 36 18'N 116 25'W ; 36 10'N 116 25'W			
GS910408312134.003	THERMAL DATA AND ANALYSES FOR FRANKLIN LAKE PLAYA.	05/01/83-05/01/87	USGS STANDARD COLLECTION METHODS.	A N C
	ACQN/DEVL LOCATION : 36 10'N 116 20'W ; 36 18'N 116 20'W 36 18'N 116 25'W ; 36 10'N 116 25'W			
GS910408312134.004	POTENTIOMETRIC DATA AND ANALYSES FOR FRANKLIN LAKE PLAYA.	05/01/83-05/01/87	USGS STANDARD COLLECTION METHODS.	A N C
	ACQN/DEVL LOCATION : 36 10'N 116 20'W ; 36 18'N 116 20'W 36 18'N 116 25'W ; 36 10'N 116 25'W			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F T Y P E
				D U L C A T I O N
05910408312134.005	SENSITIVITY ANALYSES FOR UNSATURATED ZONE FLOW MODEL OF FRANKLIN LAKE PLAYA (1 DIMENSIONAL).	05/01/83-05/01/87	USGS STANDARD COLLECTION METHODS.	A N C
	ACQN/DEVL LOCATION : 36 10'N 116 20'W ; 36 18'N 116 20'W 36 18'N 116 25'W ; 36 10'N 116 25'W			
05910408312134.006	MOISTURE CONTENT FOR FRANKLIN LAKE PLAYA.	05/01/83-05/01/87	USGS STANDARD COLLECTION METHODS.	A N C
	ACQN/DEVL LOCATION : 36 10'N 116 20'W ; 36 18'N 116 20'W 36 18'N 116 25'W ; 36 10'N 116 25'W			
05920408312134.001	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-RP-200 FOR DESCRIPTION OF METHODS.	D N P
	ACQN/DEVL LOCATION : 36 16'00"N 116 23'00"W			
05940408312134.001	LATE-WISCONSIN PALEOHYDROLOGY OF THE WEST-CENTRAL AMARGOSA DESERT, NEVADA, U.S.A., BY HANS C. CLAASEN.	01/01/84-01/25/85	AGE OF GROUND WATER SAMPLES WERE DETERMINED BY 14C LEVELS, METHOD DESCRIBED IN REPORT. CONDENSATION TEMPERATURES WERE DETERMINED ON THE BASIS OF ISOTOPE RATIOS (VAN DER STRAATEN, C.M., AND MOOK, W.G., 1983, STABLE ISOTOPIC COMPOSITION AND PRECIPITATION AND CLIMATIC VARIABILITY). COMPLETE BIBLIOGRAPHIC CITATIONS ARE IN REPORT.	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 - 0.3.1.2.1.4.1				
000910408312141.001	GEOHYDROLOGY AND EVAPOTRANSPIRATION AT FRANKLIN LAKE PLAYA, INYO COUNTY, CALIFORNIA, BY JOHN B. CZARNECKI	01/01/86-04/20/90	DIRECT FIELD MEASUREMENTS AND DATA, COMPUTER GENERATED DATA, POTENTIOMETRIC DATA, TRANSMISSIVITY AND HYDRAULIC CONDUCTIVITY DATA, EVAPOTRANSPIRATIONAL DATA, MOISTURE CONTENT IN UNSATURATED ZONE AND MODEL SENSITIVITY DATA.	D N P
ACQN/DEVL LOCATION : 36 19'N 116 20'W USGS, DENVER, CO				
000910508312141.001	A CONCEPTUAL MODEL FOR THE UNSATURATED-ZONE HYDROGEOLOGIC SYSTEM, YUCCA MOUNTAIN, NEVADA BY D.T. NOXIE	01/01/88-01/05/89	REPORT DESCRIBES THE PRESENT HYDROGEOLOGIC AND RELATED PROCESSES WITHIN THE UZ USING SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS. A SET OF HYPOTHESES INCLUDES 1) FLUID FLOW IN VARIABLY SATURATED ROCK MATRIX AND FRACTURES AND FAULTS, 2) PERCHED-WATER BODIES 3) STEADY-STATE SYSTEMS 4) HYDROLOGIC BOUNDARY CONDITIONS.	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 - 8.3.1.2.1.4.2				
**GS920408312142.001	SIMULATED EFFECTS OF INCREASED RECHARGE ON THE GROUND WATER FLOW SYSTEM OF YUCCA MOUNTAIN AND VICINITY, NEVADA - CALIFORNIA, BY JOHN B. CZARNECKI	01/01/84-12/31/84	SIMULATED THE GROUND WATER FLOW SYSTEM USING A TWO-DIMENSIONAL FINITE-ELEMENT PARAMETER-ESTIMATION MODEL. FEMOD WAS THE COMPUTER PROGRAM USED IN STUDY SIMULATION. THIS IS A MODELING REPORT. NO DIRECTLY ACQUIRED DATA WAS USED IN THE SIMULATIONS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
**GS920408312142.002	FINITE ELEMENT SIMULATION OF GROUNDWATER FLOW IN THE VICINITY OF YUCCA MOUNTAIN, NEVADA - CALIFORNIA, BY J.B. CZARNECKI AND R.K. WADDELL	01/01/84-12/06/84	USGS STANDARD METHODS. THIS REPORT IS A MODELING REPORT. NO DIRECTLY ACQUIRED DATA WAS USED FOR SIMULATION.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
**GS920408312142.001	TWO-DIMENSIONAL, STEADY-STATE MODEL OF GROUND-WATER FLOW, NEVADA TEST SITE AND VICINITY, NEVADA-CALIFORNIA, BY RICHARD K. WADDELL	01/01/81-01/01/82	USING AN INVERSE PROCEDURE, A CONCEPTUAL MODEL OF A GROUND WATER FLOW SYSTEM WAS DEVELOPED USING RECHARGE/DISCHARGE FLUXES, BOUNDARY FLUXES, AND DISTRIBUTION OF HYDROLOGIC PROPERTIES. NUMERICAL TECHNIQUE FOR DESCRIBING FLOW OF WATER IN POROUS MEDIA IS BY COOLEY, 1977 AND 1979, WATER RESOURCES RESEARCH. A SCALED-SENSITIVITY MATRIX FOR HYDRAULIC HEADS WAS COMPLETED TO EVALUATE UNCERTAINTY IN MODEL PARAMETERS. SCALED FLUX SENSITIVITY WAS USED TO ESTIMATE PROPORTIONAL CHANGES IN PARAMETERS. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	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 - 8.3.1.2.1.4.4				
GS920208312144.001	THREE DIMENSIONAL, STEADY-STATE MODEL OF THE GROUNDWATER FLOW SYSTEM IN THE VICINITY OF YUCCA MOUNTAIN, NEVADA-CALIFORNIA" BY PETER O. SINTON	01/01/86-12/31/88	QALA 3334G-02-01	D N P
ACQN/DEVL LOCATION : USGS				
Activity - 8.3.1.2.2.1.1				
**GS900908312211.001	GEOHYDROLOGIC AND DRILL-HOLE DATA FOR TEST WELL USW H-1, ADJACENT TO NEVADA TEST SITE, NYE COUNTY, NEVADA, BY F.E. RUSH, WILLIAM THORDARSON, AND LAURA BRUCKEIMER	01/01/82-02/15/83	USGS STANDARD COLLECTION METHODS. THIS REPORT PRESENTS DATA COLLECTED TO DETERMINE THE HYDROLOGIC CHARACTERISTICS OF ROCKS PENETRATED IN TEST WELL USW H-1.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
**GS900908312211.002	HYDROLOGIC, METEOROLOGICAL AND UNSATURATED-ZONE MOISTURE-CONTENT DATA, FRANKLIN LAKE PLAYA, INYO COUNTY, CALIFORNIA, BY J.B. CZARNECKI	01/01/86-11/13/89	USGS STANDARD COLLECTION METHODS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS920108312211.001	LABORATORY AND FIELD MEASUREMENTS DONE ON SOIL/ALLUVIUM/COLLUVIUM SAMPLES TO DETERMINE PHYSICAL PROPERTIES AND FIELD GEOMORPHOLOGICAL OBSERVATIONS.	01/01/87-01/31/89	LABORATORY METHODS FOR SOIL PHYSICAL PROPERTIES WERE STANDARD SOILS METHODS LOCATED IN "METHODS OF SOIL ANALYSIS - PHYSICAL PROPERTIES" ASA MONOGRAPH NO.9. REMAINING METHODS WERE PROTOTYPE.	A N C
ACQN/DEVL LOCATION : COLO. SCHOOL OF MINES, GOLDEN USGS MRF, NTS AREA 25, MERCURY				

# SITE CHARACTERIZATION PLAN BASELINE

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GS920R08314213.003	ASSESSMENT OF GEOPHYSICAL LOGS FROM BOREHOLE USW G-2, WITH RECOMMENDATIONS FOR FUTURE LOGGING AT YUCCA MTN., NV, BY P.R. 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 Y P
ACQN/DEVL LOCATION : USGS, DENVER				
GS921008312211.002	GRAVIMETRIC WATER CONTENT MEASUREMENTS OF CORE AND CUTTINGS FROM UE-25UZ#4 AND UE-25UZ#5	09/06/84-11/19/84	CORE AND CUTTING SAMPLES WERE WEIGHED BEFORE AND AFTER DRYING.	A N C
ACQN/DEVL LOCATION : UE-25UZ#4 UE-25UZ#5				
GS921008312211.003	WATER POTENTIAL MEASUREMENT OF CORE AND CUTTINGS FROM UE-25UZ#4 AND UE-25UZ#5	09/14/84-09/19/85	WATER POTENTIAL MEASUREMENTS OF CORE AND CUTTINGS WERE MADE WITH THE SC-10 DECAGON DEVICE.	A N C
ACQN/DEVL LOCATION : TEST CELL 'C' USGS, AREA 25, NTS				
GS921008312211.004	GRAIN AND BULK DENSITY MEASUREMENTS OF ROTARY CORE FROM UE-25UZ#4 AND UE-25UZ#5	11/19/84-08/05/85	ANNUAL BOOK OF ASTM STANDARDS , V.19: 1) STANDARD TEST METHOD FOR BULK SPECIFIC-GRAVITY OF COMPACTED BITUMINOUS MIXTURES USING PARAFILM-COATED SPECIMENS, ANSI-ASTM D 1188-71; 2) STANDARD TEST METHOD FOR SPECIFIC GRAVITY OF SOILS, ANSI ASTM D 854-58	A N C
ACQN/DEVL LOCATION : HOLMES & NARVER MATERIALS TESTING LAB, MERCURY, NV				



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GS921008312211.005	TRITIUM CONCENTRATIONS IN ALLUVIAL-COLLUVIAL MATERIAL FROM UE-25UZ#4  ACQN/DEVL LOCATION : USGS TRITIUM LABORATORY, RESTON, VA	01/04/85-08/15/85	USGS STANDARD METHODS FOR TRITIUM MEASUREMENTS, TWRI, BOOK 5, CH. A5	A N C
GS921008312211.008	GEOHYDROLOGIC DATA FROM TEST HOLES UE-25 UZ #4 AND UE-25 UZ #5, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, BY CAROLE L. LOSKOT AND DALE P. HAMMERMEISTER  ACQN/DEVL LOCATION : USGS, DENVER	09/06/84-07/12/90	COMPILED DATA FROM GRAVIMETRIC WATER CONTENT MEASUREMENTS, WATER POTENTIAL MEASUREMENTS, BULK AND GRAIN DENSITY MEASUREMENTS, TRITIUM MEASUREMENTS, CORES, LITHOLOGY.	D N C
GS921208312211.009	GRAVIMETRIC WATER CONTENT MEASUREMENTS OF CORES AND CUTTINGS FROM USW UZ-6S  ACQN/DEVL LOCATION : USW UZ-6S	04/23/85-09/06/85	CORE AND CUTTING SAMPLES WERE WEIGHED BEFORE AND AFTER DRYING	A N P
GS921208312211.010	WATER POTENTIAL MEASUREMENTS OF CORES & CUTTINGS FROM USW UZ-6S  ACQN/DEVL LOCATION : TEST CELL C, USGS, AREA 25, NTS	05/18/85-04/22/86	WATER POTENTIAL MEASUREMENTS OF CORE & CUTTINGS WERE MADE WITH THE SC-10 DECAGON DEVICE	A N P
GS921208312211.011	BULK & GRAIN DENSITY MEASUREMENTS OF ROTARY CORE FROM USW UZ-6S  ACQN/DEVL LOCATION : HOLMES & NARVER MATERIALS TESTING LAB, MERCURY, NV	04/23/86-06/09/86	ANNUAL BOOK OF ASTM STANDARDS, V.19; 1) STANDARD TEST METHODS FOR BULK SPECIFIC-GRAVITY OF COMPACTED BITUMINOUS MIXTURES USING PARAFILM-COATED SPECIMENS, ANSI ASTM D 1168-71; 2) STANDARD TEST METHOD FOR SPECIFIC GRAVITY OF SOILS, ANSI ASTM D 854-58	A N P

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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, LITHOLOGY.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO.				
GS930108312211.001	USE OF STATISTICALLY DISTINCT GENESIS-LITHOLOGY-QUALIFIER MAP UNITS FOR CLASSIFYING UPLAND SOILS AT YUCCA MOUNTAIN, NEVADA, BY GEOMORPHOLOGY AND PHYSICAL PROPERTIES AFFECTING INFILTRATION, BY M.R. SCHMIDT, K.E. KOLM, AND ALAN L. FLINT.	01/01/89-07/01/91	RELATIONS BETWEEN GEOMORPHIC ENVIRONMENTS AND PHYSICAL PROPERTY VARIABLES WERE EVALUATED USING CORRELATION AND ANALYSIS-OF VARIANCE TECHNIQUES, AND STATISTICALLY DISTINCT MAP UNITS WERE DETERMINED FOR GLQ MAPPING USING MULTIPLE COMPARISON TECHNIQUE. HYDRAULIC-CONDUCTIVITY VALUES FOR EACH MAP UNIT WERE ESTIMATED BASED ON MEAN SILT AND CLAY CONTENT.	D N C
ACQN/DEVL LOCATION : USGS HRF, NTS AREA 25, MERCURY				
SNSAND87238000.000	HYDRAULIC CONDUCTIVITY, BULK DENSITY, WATER RETENTION, AND CURVE FIT PARAMETER DATA. SAND87-2380: "STATISTICAL ANALYSIS OF HYDROLOGIC DATA FOR YUCCA MOUNTAIN"	08/21/82-12/01/87	THE DATA ANALYZED IN THIS REPORT CONSIST OF MEASUREMENTS MADE ON TUFF SAMPLES OBTAINED FROM CORES TAKEN FROM THREE DRILL HOLES AT YUCCA MOUNTAIN. THE CYLINDRICAL CORES WERE ABOUT 6 CM IN DIAMETER AND 6 TO 20 CM LONG. SAMPLES WERE TAKEN FROM EACH OF THE FUNCTIONAL UNITS WITHIN EACH DRILL HOLE, AT VARIOUS DEPTHS WITHIN EACH UNIT, USUALLY 10 M OR MORE APART. STATISTICAL ANALYSES WERE MADE FROM FOUR HYDRAULIC VARIABLES: SATURATED-MATRIX HYDRAULIC CONDUCTIVITY; MAXIMUM MOISTURE CONTENT; SUCTION HEAD; AND GROUNDWATER TRAVEL TIME.	D N T
ACQN/DEVL LOCATION : SANDIA NATIONAL LABORATORIES, ALBUQUERQUE, NM				

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE	DESCRIPTION	ACQ/DEVL PERIOD	ACQ/DEVL METHOD	
Activity - 8.3.1.2.2.1.2					
GS910808312212.001		GEOHYDROLOGIC DATA FROM SHALLOW NEUTRON-ACCESS HOLES, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, BY DANIEL O BLOUT, DALE P HAMMERMEISTER, CAROLE LOSKOT, AND MICHAEL P CHORNACK.	07/01/84-02/01/86	REFER TO TECHNICAL PROCEDURE HP-62 FOR DETAILS CONCERNING DATA COLLECTION METHODS.	A N P
		ACQ/DEVL LOCATION :			
		UE25 UZN-1			
		UE25 UZN-10			
		UE25 UZN-11			
		UE25 UZN-12			
		UE25 UZN-13			
		UE25 UZN-14			
		UE25 UZN-18			
		UE25 UZN-19			
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		UE25 UZN-5			
		UE25 UZN-56			
		UE25 UZN-6			
		UE25 UZN-60			
		UE25 UZN-7			
		UE25 UZN-8			
		UE25 UZN-85			
		UE25 UZN-9			
		UE25 UZN-97			
		UE25 UZNC-1			
		UE25 UZNC-2			
		UE29 UZN-91			
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		USW UZ-N40			

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# SITE CHARACTERIZATION PLAN BASELINE

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920108312212.004	DATA COLLECTED ON FIELD AND LAB EXPERIMENTS TO ASSESS SUITABILITY OF A COLLIMATED NEUTRON PROBE.  ACQN/DEVL LOCATION : AREA 25, NTS.	05/01/86-12/31/87	DATA RECORDED BY HAND ACCORDING TO PROTOTYPE STUDIES FOR CHARACTERIZATION OF NATURAL INFILTRATION.	A N C
GS920208312212.001	WEATHERSTATION DATA FOR YUCCA MOUNTAIN, NV FOR 1988 AND UP TO 5/2/89. DATA INCLUDES DAILY VALUES OF INCOMING SHORTWAVE SOLAR RADIATION AND AIR TEMPERATURE.  ACQN/DEVL LOCATION : 36 08'00"N 116 04'00"W	01/01/88-05/02/89	PYRANOMETER AND CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168, R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER.	A N P
GS920208312212.002	1989 WEATHERSTATION DATA FOR YUCCA MOUNTAIN, NV, FROM 5/3/89. INCLUDES DAILY VALUES OF SHORTWAVE RADIATION AND AIR TEMPERATURE.  ACQN/DEVL LOCATION : 36 08'00"N 116 04'00"W	05/03/89-12/31/89	QA APPROVED WEATHERSTATIONS AND ALL ACCOMPANYING INSTRUMENTS. HP-97, R0, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CAMPBELL SCIENTIFIC, INC. 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; AND HP-168, R0, MEASUREMENT OF ENERGY FLUX DENSITY USING A PYRANOMETER.	A Y P
GS920208312212.003	PREDICTION OF ACTUAL SOLAR RADIATION USING MODELED CLEARSKY RADIATION AND AIR TEMPERATURE, BY ALAN L. FLINT AND LORRAINE E. FLINT  ACQN/DEVL LOCATION : USGS HRF, MERCURY, NV	01/01/90-01/24/92	MODELING OF CLEARSKY RADIATION DATA USING SITE PARAMETERS DESCRIBED IN PAPER "CALCULATION OF SOLAR RADIATION IN MOUNTAINOUS TERRAIN" IN AGRICULTURE AND FOREST METEOROLOGY, 40:233-249, 1987.	D N P

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# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
35920508312231.012	USW UZN-54 AND USW UZN-55 CORE ANALYSIS: BULK DENSITY, POROSITY, PARTICLE DENSITY AND IN SITU SATURATION.	10/01/91-01/31/92	BULK DENSITY USING ARCHIMEDE'S METHOD, POROSITY USING SATURATED CORE, PARTICLE DENSITY CALCULATED FROM ABOVE, SATURATIONS DETERMINED GRAVIMETRICALLY FROM PRESERVED SAMPLES.	A Y P
	ACQN/DEVL LOCATION : USW UZN-54 USW UZN-55			
35921008312211.002	GRAVIMETRIC WATER CONTENT MEASUREMENTS OF CORE AND CUTTINGS FROM UE-25UZ#4 AND UE-25UZ#5	09/06/84-11/19/84	CORE AND CUTTING SAMPLES WERE WEIGHED BEFORE AND AFTER DRYING.	A N C
	ACQN/DEVL LOCATION : UE-25UZ#4 UE-25UZ#5			
35921008312211.003	WATER POTENTIAL MEASUREMENT OF CORE AND CUTTINGS FROM UE-25UZ#4 AND UE-25UZ#5	09/14/84-09/19/85	WATER POTENTIAL MEASUREMENTS OF CORE AND CUTTINGS WERE MADE WITH THE SC-10 DECAQN DEVICE.	A N C
	ACQN/DEVL LOCATION : TEST CELL 'C' USGS, AREA 25, NTS			
35921008312211.004	GRAIN AND BULK DENSITY MEASUREMENTS OF ROTARY CORE FROM UE-25UZ#4 AND UE-25UZ#5	11/19/84-08/05/85	ANNUAL BOOK OF ASTM STANDARDS , V.19: 1) STANDARD TEST METHOD FOR BULK SPECIFIC-GRAVITY OF COMPACTED BITUMINOUS MIXTURES USING PARAFILM-COATED SPECIMENS, ANSI-ASTM D 1188-71; 2) STANDARD TEST METHOD FOR SPECIFIC GRAVITY OF SOILS, ANSI ASTM D 854-58	A N C
	ACQN/DEVL LOCATION : HOLMES & NARVER MATERIALS TESTING LAB, MERCURY, NV			

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## SITE CHARACTERIZATION ILAW BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS921008312211.005	TRITIUM CONCENTRATIONS IN ALLUVIAL-COLLUVIAL MATERIAL FROM UE-25UZ#4	01/04/85-08/15/85	USGS STANDARD METHODS FOR TRITIUM MEASUREMENTS, TWRI, BOOK 5, CH. A5	A N C
ACQN/DEVL LOCATION : USGS TRITIUM LABORATORY, RESTON, VA				
GS921008312211.008	GEOHYDROLOGIC DATA FROM TEST HOLES UE-25 UZ #4 AND UE-25 UZ #5, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, BY CAROLE L. LOSKOT AND DALE P. HAMMERMEISTER	09/06/84-07/12/90	COMPILED DATA FROM GRAVIMETRIC WATER CONTENT MEASUREMENTS, WATER POTENTIAL MEASUREMENTS, BULK AND GRAIN DENSITY MEASUREMENTS, TRITIUM MEASUREMENTS, CORFS, LITHOLOGY.	D N C
ACQN/DEVL LOCATION : USGS, DENVER				
GS921208312211.009	GRAVIMETRIC WATER CONTENT MEASUREMENTS OF CORES AND CUTTINGS FROM USW UZ-6S	04/23/85-09/06/85	CORE AND CUTTING SAMPLES WERE WEIGHED BEFORE AND AFTER DRYING	A N P
ACQN/DEVL LOCATION : USW UZ-6S				
GS921208312211.010	WATER POTENTIAL MEASUREMENTS OF CORES & CUTTINGS FROM USW UZ-6S	05/18/85-04/22/86	WATER POTENTIAL MEASUREMENTS OF CORE & CUTTINGS WERE MADE WITH THE SC-10 DECAGON DEVICE	A N P
ACQN/DEVL LOCATION : TEST CELL C, USGS, AREA 25, NTS				
GS921208312211.011	BULK & GRAIN DENSITY MEASUREMENTS OF ROTARY CORE FROM USW UZ-6S	04/23/86-06/09/86	ANNUAL BOOK OF ASTM STANDARDS, V.19; 1) STANDARD TEST METHODS FOR BULK SPECIFIC-GRAVITY OF COMPACTED BITUMINOUS MIXTURES USING PARAFILM-COATED SPECIMENS, ANSI ASTM D 1188-71; 2) STANDARD TEST METHOD FOR SPECIFIC GRAVITY OF SOILS, ANSI ASTM D 854-58	A N P
ACQN/DEVL LOCATION : HOLMES & NARVER MATERIALS TESTING LAB, MERCURY, NV				

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# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
959.1208312211.013	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, LITHOLOGY.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO.				
959.1208312212.005	NEUTRON MOISTURE METER COUNTS FROM LOGS COLLECTED FROM 74 BOREHOLES AT YUCCA MOUNTAIN, NV, FROM THE TIME THEY WERE DRILLED UNTIL 5/2/89.	07/24/84-05/02/89	NEUTRON LOGS WERE COLLECTED USING THE CPN 503 MOISTURE PROBE APPROXIMATELY EVERY 1-2 MONTHS USING USGS-HP-62, R0 THRU R4, METHOD FOR MEASURING SUB-SURFACE MOISTURE CONTENT USING A NEUTRON MOISTURE METER.	A N P
ACQN/DEVL LOCATION : UE-25UZN#1 UE-25UZN#10 UE-25UZN#12 UE-25UZN#13 UE-25UZN#14 UE-25UZN#18 UE-25UZN#19 UE-25UZN#2 UE-25UZN#20 UE-25UZN#21 UE-25UZN#22 UE-25UZN#23 UE-25UZN#25 UE-25UZN#26 UE-25UZN#28 UE-25UZN#29 UE-25UZN#3 UE-25UZN#30 UE-25UZN#4 UE-25UZN#5 UE-25UZN#56 UE-25UZN#6 UE-25UZN#60 UE-25UZN#7 UE-25UZN#8 UE-25UZN#85 UE-25UZN#9 UE-25UZN#97 USW UZN-24				



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## SITE CHARACTERIZATION PLAN BASELINE

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	USW UZN-40		
	USW UZN-41		
	USW UZN-42		
	USW UZN-43		
	USW UZN-44		
	USW UZN-45		
	USW UZN-46		
	USW UZN-47		
	USW UZN-48		
	USW UZN-49		
	USW UZN-50		
	USW UZN-51		
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	USW UZN-65		
	USW UZN-66		
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# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
	USW UZN-96 USW UZN-98		
65921208312212.C06	NEUTRON MOISTURE METER COUNTS FROM LOGS COLLECTED FROM 74 BOREHOLES AT YUCCA MOUNTAIN NEVADA FROM 5/3/89 TO 9/30/91	05/03/89-09/30/91	NEUTRON LOGS WERE COLLECTED USING THE CFN A Y P 503 MOISTURE PROBE APPROXIMATELY EVERY 1-2 MONTHS USING USGS-HP-62, R4 THRU R6, METHOD FOR MEASURING (SUB-SURFACE) MOISTURE CONTENT USING A NEUTRON MOISTURE METER.
	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 #24		
	UE-25 UZN #25		
	UE-25 UZN #26		
	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 #9		
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	USW UZ-N41		
	USW UZ-N42		
	USW UZ-N43		
	USW UZ-N44		
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## SITE CHARACTERIZATION PLAN BASELINE

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I T I P E D
GS930108312212.001	THE INFLUENCE OF LONG-TERM CLIMATE CHANGE ON NET INFILTRATION AT YUCCA MOUNTAIN, NEVADA, BY A.L. FLINT, L.E. FLINT & J.A. HEVESI	06/01/92-12/31/92	THE FOLLOWING DATA FROM THE SOURCE DATASETS WERE USED TO ESTIMATE PARAMETERS FOR FLOW MODELING: POROSITY, SATURATED PERMEABILITY, MOISTURE RETENTION, PARTICLE DENSITY. AVERAGE VALUES WERE USED FOR THE DIFFERENT LITHOLOGIC UNITS. IF A LITHOLOGIC UNIT WAS HIGHLY VARIABLE IT WAS DIVIDED INTO SEVERAL UNITS.	D Y P
ACQN/DEVL LOCATION : USGS HRF, AREA 25, MERCURY, NV				
GS930108312212.002	NEUTRON MOISTURE METER COUNTS FROM LOGS COLLECTED FROM BOREHOLE UE-25 UZN #7 AT YUCCA MOUNTAIN, NV, FROM 10/1/91 TO 10/7/92.	10/01/91-10/07/92	NEUTRON LOGS WERE COLLECTED USING THE CFN 503 MOISTURE PROBE APPROXIMATELY EVERY 1 MONTH USING USGS TECHNICAL PROCEDURE HP-62,R4 THRU R6 "METHOD FOR MEASURING (SUB-SURFACE) MOISTURE CONTENT USING A NEUTRON MOISTURE METER."	A Y P
ACQN/DEVL LOCATION : N768724(N) E566141(N) USGS HRF, AREA 25, MERCURY, NV				
GS930108312212.003	PRELIMINARY CALCULATION OF VOLUMETRIC WATER CONTENT FROM NEUTRON COUNTS IN BOREHOLE UE-25 UZN#7.	01/06/87-04/07/87	PRELIMINARY CALIBRATION EQUATION DEVELOPED USING POLYNOMIAL REGRESSION METHODS. DATA USED WAS NEUTRON COUNTS AND VOLUMETRIC WATER CONTENT DETERMINED ON BOREHOLE COPE SAMPLES USING HP-229,R0, AND HP-62,R6. CORE SAMPLE DATA FROM GS920508312231.01.	D N P
ACQN/DEVL LOCATION : HRF, AREA 25, MERCURY, NV.				

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
990108312212.004	THE INFLUENCE OF SEASONAL CLIMATIC VARIABILITY ON SHALLOW INFILTRATION AT YUCCA MOUNTAIN, BY A.L. FLINT & J.A. HEVESI	06/01/92-12/31/92	PRECIPITATION DATA, AIR TEMPERATURE DATA, SOLAR RADIATION DATA, AND NEUTRON LOGGING DATA FOR THE PERIOD 1/11/90 TO 10/7/92 WERE USED TO DEVELOP AND CALIBRATE A 2-DIMENSIONAL FINITE DIFFERENCE NUMERICAL MODEL OF UNSATURATED GROUNDWATER FLOW.	D N P
ACQN/DEVL LOCATION : USGS HRF, AREA 25, MERCURY, NV				
990108312212.005	CALCULATED SORPTIVITY VALUES AT VARIOUS INITIAL WATER CONTENTS FOR CORE FROM NONWELDED (DD-1), AND WELDED (DD-2) BOREHOLES AT THE G-TUNNEL UNDERGROUND FACILITY. IMBIBITION INTO NONWELDED (DD-1) BOREHOLE WITH TIME.	07/12/89-12/19/89	BOREHOLE IMBIBITION DATA COLLECTED WITH PRESSURE TRANSDUCER HOOKED TO A MARIOTTE SYSTEM AND TO A DATA LOGGER. CORE DATA COLLECTED FROM A TOP LOADING BALANCE CONNECTED TO A COMPUTER, AND REGRESSIONS RUN TO PRODUCE SLOPE OF SORPTIVITY VS. TIME <sup>1/2</sup> .	A N P
ACQN/DEVL LOCATION : GTUF, NTS USGS HRF, NTS AREA 25, MERCURY, NV				
Activity - 8.3.1.2.2.2.1				
99000000000062.001	HALIDE AND CHLORINE-36 ANALYSES OF CUTTINGS FROM BOREHOLE USW UZ-N11.	11/01/90-08/26/93	(1) SAMPLE PREPARATION BY LEACHING, FOLLOWING LANL-INC-DP-92. (2) CHLORIDE AND BROMIDE ANALYZED BY ION CHROMATOGRAPHY, FOLLOWING LANL-INC-DP-94 OR NOTEBOOK PROCEDURE LANL-YMP-QP-03.5. (3) CHLORINE-36/CHLORINE SAMPLES PREPARED FOLLOWING LANL-INC-DP-95 AND ANALYZED BY ACCELERATOR MASS SPECTROMETRY AS COMMERCIAL-GRADE ANALYSIS.	A Y P
ACQN/DEVL LOCATION : LANL				

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DATA TRACKING N.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*LA000000000062.002	HALIDE AND CHLORINE-36 ANALYSES OF CUTTINGS FROM BOREHOLE USW U2-N27.	11/01/90-08/26/93	(1) SAMPLE PREPARATION BY LEACHING, FOLLOWING LANL-INC-DP-92. (2) CHLORIDE AND BROMIDE ANALYZED BY ION CHROMATOGRAPHY, FOLLOWING LANL-INC-DP-94 OR NOTEBOOK PROCEDURE LANL-YMP-QP-03.5. (3) CHLORINE-36/CHLORINE SAMPLES PREPARED FOLLOWING LANL-INC-DP-95 AND ANALYZED BY ACCELERATOR MASS SPECTROMETRY AS COMMERCIAL-GRADE ANALYSIS.	A Y P
ACQN/DEVL LOCATION : LANL				
*LA000000000062.003	HALIDE AND CHLORINE-36 ANALYSES OF CUTTINGS FROM BOREHOLE USW U2-N37.	11/01/90-08/26/93	(1) SAMPLE PREPARATION BY LEACHING, FOLLOWING LANL-INC-DP-92. (2) CHLORIDE AND BROMIDE ANALYZED BY ION CHROMATOGRAPHY, FOLLOWING LANL-INC-DP-94 OR NOTEBOOK PROCEDURE LANL-YMP-QP-03.5. (3) CHLORINE-36/CHLORINE SAMPLES PREPARED FOLLOWING LANL-INC-DP-95 AND ANALYZED BY ACCELERATOR MASS SPECTROMETRY AS COMMERCIAL-GRADE ANALYSIS.	A Y P
ACQN/DEVL LOCATION : LANL				
*LA000000000062.004	HALIDE AND CHLORINE-36 ANALYSES OF CUTTINGS FROM BOREHOLE USW U2-N53.	11/01/90-08/26/93	(1) SAMPLE PREPARATION BY LEACHING, FOLLOWING LANL-INC-DP-92. (2) CHLORIDE AND BROMIDE ANALYZED BY ION CHROMATOGRAPHY, FOLLOWING LANL-INC-DP-94 OR NOTEBOOK PROCEDURE LANL-YMP-QP-03.5. (3) CHLORINE-36/CHLORINE SAMPLES PREPARED FOLLOWING LANL-INC-DP-95 AND ANALYZED BY ACCELERATOR MASS SPECTROMETRY AS COMMERCIAL-GRADE ANALYSIS.	A Y P
ACQN/DEVL LOCATION : LANL				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*LA000000000062.005	HALIDE AND CHLORINE-36 ANALYSES OF CUTTINGS FROM BOREHOLE USW UZ-N54.	11/01/90-08/26/93	(1) SAMPLE PREPARATION BY LEACHING, FOLLOWING LANL-INC-DP-92. (2) CHLORIDE AND BROMIDE ANALYZED BY ION CHROMATOGRAPHY, FOLLOWING LANL-INC-DP-94 OR NOTEBOOK PROCEDURE LANL-YMP-QP-03.5. (3) CHLORINE-36/CHLORINE SAMPLES PREPARED FOLLOWING LANL-INC-DP-95 AND ANALYZED BY ACCELERATOR MASS SPECTROMETRY AS COMMERCIAL-GRADE ANALYSIS.	A Y P
ACQN/DEVL LOCATION : LANL				
*LA000000000062.006	HALIDE AND CHLORINE-36 ANALYSES OF CUTTINGS FROM BOREHOLE USW UZ-N55.	11/01/90-08/26/93	(1) SAMPLE PREPARATION BY LEACHING, FOLLOWING LANL-INC-DP-92. (2) CHLORIDE AND BROMIDE ANALYZED BY ION CHROMATOGRAPHY, FOLLOWING LANL-INC-DP-94 OR NOTEBOOK PROCEDURE LANL-YMP-QP-03.5. (3) CHLORINE-36/CHLORINE SAMPLES PREPARED FOLLOWING LANL-INC-DP-95 AND ANALYZED BY ACCELERATOR MASS SPECTROMETRY AS COMMERCIAL-GRADE ANALYSIS.	A Y P
ACQN/DEVL LOCATION : LANL				
*LA000000000062.007	HALIDE AND CHLORINE-36 ANALYSES OF CUTTINGS FROM BOREHOLE UE25 UZ-16.	11/01/90-08/26/93	(1) SAMPLE PREPARATION BY LEACHING, FOLLOWING LANL-INC-DP-92. (2) CHLORIDE AND BROMIDE ANALYZED BY ION CHROMATOGRAPHY, FOLLOWING LANL-INC-DP-94 OR NOTEBOOK PROCEDURE LANL-YMP-QP-03.5. (3) CHLORINE-36/CHLORINE SAMPLES PREPARED FOLLOWING LANL-INC-DP-95 AND ANALYZED BY ACCELERATOR MASS SPECTROMETRY AS COMMERCIAL-GRADE ANALYSIS.	A Y P
ACQN/DEVL LOCATION : LANL				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*LA000000000063.001	HALIDE AND CHLORINE ISOTOPIC ANALYSES OF COLLECTED SOILS FROM MIDWAY VALLEY PITS AND TRENCHES	11/01/90-08/26/93	(1) SAMPLE PREPARATION BY LEACHING, FOLLOWING LANL-INC-DP-92. (2) CHLORIDE AND BROMIDE ANALYZED BY ION CHROMATOGRAPHY, FOLLOWING LANL-INC-DP-94 OR NOTEBOOK PROCEDURE LANL-YMP-QP-03.5. (3) CHLORINE-36/CHLORINE SAMPLES PREPARED FOLLOWING LANL-INC-DP-95 AND ANALYZED BY ACCELERATOR MASS SPECTROMETRY AS COMMERCIAL-GRADE ANALYSIS.	A Y P
	ACQN/DEVL LOCATION : LANL			
*LA000000000063.002	HALIDE ANALYSES OF SURFACE SOILS COLLECTED WITHIN THE PERIMETER DRIFT BOUNDARY	11/01/90-08/26/93	(1) SAMPLE PREPARATION BY LEACHING, FOLLOWING LANL-INC-DP-92. (2) CHLORIDE AND BROMIDE ANALYZED BY ION CHROMATOGRAPHY, FOLLOWING LANL-INC-DP-94 OR NOTEBOOK PROCEDURE LANL-YMP-QP-03.5.	A Y P
	ACQN/DEVL LOCATION : LANL			
*LA000000000064.001	HALIDE AND CHLORINE-36 ANALYSES OF GROUNDWATERS FROM THE SATURATED ZONE.	11/01/90-08/26/93	CHLORIDE AND BROMIDE ANALYZED BY ION CHROMATOGRAPHY, FOLLOWING LANL-INC-DP-94 OR NOTEBOOK PROCEDURE LANL-YMP-QP-03.5. CHLORINE-36/CHLORINE SAMPLES PREPARED FOLLOWING LANL-INC-95 AND ANALYZED BY ACCELERATOR MASS SPECTROMETRY AS COMMERCIAL-GRADE ANALYSIS.	A Y P
	ACQN/DEVL LOCATION : LANL			



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*LAC00000000065.001	HALIDE AND CHLORINE-36 ANALYSES OF ROCKS FROM THE NORTH STARTER TUNNEL.	11/01/90-08/26/93	(1) SAMPLE PREPARATION BY LEACHING, FOLLOWING LANL-INC-DP-92. (2) CHLORIDE AND BROMIDE ANALYZED BY ION CHROMATOGRAPHY, FOLLOWING LANL-INC-DP-94 OR NOTEBOOK PROCEDURE LANL-YMP-QP-03.5. (3) CHLORINE-36/CHLORINE SAMPLES PREPARED FOLLOWING LANL-INC-95 AND ANALYZED BY ACCELERATOR MASS SPECTROMETRY AS COMMERICAL-GRADE ANALYSIS.	A Y P
ACQN/DEVL LOCATION : LANL				
Activity - 8.3.1.2.2.3.1				
5920108312231.001	CORE ANALYSES FOR VARIOUS WELLS IN NYE COUNTY. TESTS INCLUDE: KLINKENBERG PERMEABILITY TO AIR OVERBURDEN PRESSURE, PERMEABILITY TO AIR VERSUS RECIPROCAL MEAN PRESSURE, AIR-BRINE, CAPILLARY PRESSURE, UNSTEADY STATE GAS-WATER RELATIVE PERMEABILITY, AND SPECIFIC PERMEABILITY TO WATER.	01/01/84-09/30/86	CORE ANALYSES STUDIES DONE BY USGS APPROVED VENDOR.	A N C
ACQN/DEVL LOCATION : UE 25 #1 UE-25A #4 UE-25A #6 USW G-1 USW G-2				
5920108312231.002	CORE ANALYSES FOR UZ-4 AND UZ-5 WELLS. TESTS INCLUDE: PERMEABILITY TO AIR AND POROSITY WITH GRAIN DENSITY CALCULATIONS, SPECIFIC PERMEABILITY TO WATER AND KLINKENBERG PERMEABILITY.	01/01/84-09/30/86	CORE ANALYSES STUDIES DONE BY USGS APPROVED VENDOR.	A N C
ACQN/DEVL LOCATION : UE-25 UZ #4 UE-25 UZ #5				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
45929108312231.003	<p>ANALYSES FROM LABORATORY MEASUREMENTS OF CORE PHYSICAL AND HYDROLOGIC FLOW PROPERTIES OF VARIOUS WELLS IN NYE COUNTY. TESTS INCLUDE: PERMEABILITY TO AIR AND POROSITY WITH GRAIN DENSITY CALCULATIONS, SPECIFIC PERMEABILITY TO WATER AND KLINKENBERG PERMEABILITY TO AIR.</p> <p>ACQN/DEVL LOCATION : UE-25A #1 UE-25A #4 UE-25A #6 USW G-1 USW G-2 USW G-3</p>	01/01/84-09/30/86	CORE ANALYSES STUDIES DONE BY USGS APPROVED VENDORS.	A N C
45929108312231.004	<p>ANALYSES FOR LABORATORY MEASUREMENTS OF CORE PHYSICAL AND HYDROLOGIC FLOW PROPERTIES FOR VARIOUS WELLS IN NYE COUNTY. TEST INCLUDE: KLINKENBERG PERMEABILITY, AIR-BRINE POROSITY-PLATE AND CENTRIFUGE CAPILLARY PRESSURE, SPECIFIC PERMEABILITY TO WATER, UNSTEADY-STATE GAS-WATER RELATIVE PERMEABILITY AND CENTRIFUGE GAS-WATER RELATIVE PERMEABILITY.</p> <p>ACQN/DEVL LOCATION : UE-25 UZ #5 UE-25A #1 UE-25A #4 UE-25A #6 USW G-1 USW G-2 USW G-3</p>	01/01/84-09/30/86	CORE ANALYSES DONE BY USGS APPROVED VENDOR.	A N C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SS910108312231.005	ANALYSES FOR LABORATORY MEASUREMENTS OF CORE PHYSICAL AND HYDROLOGIC FLOW PROPERTIES FOR VARIOUS WELLS IN NYE COUNTY. TEST INCLUDE: GRAIN AND BULK DENSITY, KLINKENBERG PERMEABILITY, SPECIFIC PERMEABILITY TO OIL AND TO WATER, AIR-BRINE POROUS PLATE AND CENTRIFUGE CAPILLARY PRESSURE AND CENTRIFUGE RELATIVE PERMEABILITY.  ACQN/DEVL LOCATION : UE-25 UZ #4 UE-25 UZ #5 UE-25A #1 UE-25A #4 USW G-1 USW G-2 USW G-3	01/01/84-09/30/86	CORE ANALYSES DONE BY USGS APPROVED VENDOR.	A N C
**GS920108312231.006	PRELIMINARY PERMEABILITY AND WATER-RETENTION DATA FOR NONWELDED AND BEDDED TUFF SAMPLES, YUCCA MOUNTAIN AREA, NYE COUNTY, NV, BY L. FLINT AND A.F. FLINT  ACQN/DEVL LOCATION : HYDROLOGIC RESEARCH FACILITY, AREA 25, NTS.	01/01/90-10/09/90	USGS STANDARD DEVELOPMENT METHODS.	D N C
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.  ACQN/DEVL LOCATION : BUSTED BUTTE VERTICAL TRANSECT CALICO HILLS VERTICAL TRANSECT PAGANY WASH VERTICAL TRANSECT SHARDY BASE HORIZONTAL TRANSECT	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 P

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# SITE CHARACTERIZATION PLAN BASELINE

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	TOPOPAH CAPROCK HORIZONTAL TRANSECT U26 VERTICAL TRANSECT YUCCA CREST HORIZONTAL TRANSECT			
5920508312231.011	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 P
	ACQN/DEVL LOCATION : USW GU-3			
5920508312231.013	PHYSICAL DATA OF OUTCROP TRANSECT SAMPLES. INCLUDES SEVEN TRANSECTS AND MEASUREMENTS OF TRANSECT DISTANCE, POROSITY, BULK DENSITY, PARTICLE DENSITY AND FOR ONE TRANSECT, SATURATED PERMEABILITY.	06/01/91-10/31/91	BULK DENSITY DETERMINED USING ARCHIMEDE'S DISPLACEMENT, POROSITY DETERMINED USING VACUUM SATURATED WEIGHT AND RELATIVE HUMIDITY OVEN DRY WEIGHT (45 DEGREES RH AND 60 DEGVREES C), PARTICLE DENSITY IS CALCULATED FROM BULK DENSITY AND POROSITY. SATURATED HYDRAULIC CONDUCTIVITY MEASURED WITH CONSTANT HEAD METHOD.	A Y P
	ACQN/DEVL LOCATION : BUSTED BUTTE VERTICAL TRANSECT CALICO HILLS VERTICAL TRANSECT PAGENY WASH VERTICAL TRANSECT SHARDY BASE HORIZONTAL TRANSECT TOPOPAH CAPROCK HORIZONTAL TRANSECT U26 VERTICAL TRANSECT YUCCA CREST HORIZONTAL TRANSECT			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920508312231.014	MOISTURE RETENTION CURVES AND PRESSURE MEASUREMENTS FOR TEST WELL USW H-1.  ACQN/DEVL LOCATION : USW H-1	07/24/81-07/24/81	USGS STANDARD COLLECTION METHODS.	A N P
GS920508312231.015	PRELIMINARY EVALUATION OF HYDROLOGIC PROPERTIES OF CORES OF UNSATURATED TUFF, TEST WELL USW H-1, BY E.P. WEEKS AND W.E. WILSON  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/83-07/12/84	USGS STANDARD METHODS.	D N T
GS921208312231.016	LABORATORY TEST RESULTS FOR CORE SAMPLES FROM TWO-DIMENSIONAL SHARDY BASE TRANSECT.  ACQN/DEVL LOCATION : USGS HRF LAB, AREA 25, NTS	07/01/92-11/13/92	LABORATORY MEASUREMENTS OF POROSITY, BULK DENSITY, PARTICLE DENSITY, SATURATED HYDRAULIC CONDUCTIVITY, AND SORPTIVITY.	A N P
GS921208312231.017	INFLUENCE OF DETERMINISTIC GEOLOGIC TRENDS ON SPATIAL VARIABILITY OF HYDROLOGIC PROPERTIES OF VOLCANIC TUFF, BY C.A. RAUTMAN, J.D. ISTOK, L.E. FLINT, A.L. FLINT, AND M.P. CHORNACK.  ACQN/DEVL LOCATION : USGS HRF, AREA 25, MERCURY, NV	09/01/92-12/01/92	STANDARD LAB DATA (POROSITY, BULK DENSITY, PARTICLE DENSITY, SATURATED HYDRAULIC CONDUCTIVITY, AND SORPTIVITY) WERE USED WITH STANDARD STATISTICAL AND GEOSTATISTICAL METHODS TO EVALUATE VARIABILITY, AS WELL AS THE RELATIONSHIP OF THE HYDROLOGIC PROPERTIES TO THE OBSERVED GEOLOGY AND LITHOLOGY. ALL METHODS PRODUCING DEVELOPED DATA ARE STANDARD AND ARE DESCRIBED THOROUGHLY IN REPORT.	D N P

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SS930508312231.002	MEASUREMENTS OF MATRIC AND WATER POTENTIALS IN UNSATURATED TUFF AT YUCCA MOUNTAIN, NEVADA, BY FALAH THAMIR AND COLLEEN M. MCBRIDE	01/01/85-10/29/85	LABORATORY CALIBRATION DATA FOR EACH PROBE D N C USED TO CONVERT THE OUTPUT-VOLTAGE READINGS OF THE HEAT-DISSIPATION PROBES INTO MATRIC POTENTIALS. LINEAR INTERPOLATION BETWEEN MEASURED CALIBRATIONS POINTS USED BETWEEN 0 AND -5 BARS. LINEAR EXTRAPOLATION USING LAST LINEAR SPLINE TO CONVERT OUTPUT VOLTAGES THAT CORRESPOND TO MATRIC POTENTIALS LESS THAN -5 BARS. PSYCHOMETRIC TECHNIQUES USED TO DETERMINE VAPOR PRESSURE FROM THE AMBIENT TEMPERATURE OF AN ATMOSPHERE AND THE TEMPERATURE OF AN EVAPORATING MOIST SURFACE IN THE SAME ATMOSPHERE. OUTPUT VOLTAGES OF MEASURING JUNCTION VERSUS VARIOUS WATER POTENTIALS AND TEMPERATURES WERE RECORDED, TABULATED, AND PLOTTED.
ACQN/DEVL LOCATION : USGS, DENVER, CO			
SS930608312231.003	MONITORING THE VADOSE ZONE IN FRACTURED TUFF, YUCCA MOUNTAIN, NEVADA BY PARVIZ MONTAZER, E.P. WEEKS, FALAH THAMIR, S.N. YARD, AND P.B. HOFRICHTER.	01/01/85-11/12/85	STUDY EVALUATES RESULTS FROM INSTRUMENTING D N C 33 LEVELS OF BOREHOLE USN UZ-1 AND INCLUDES 1) INSTRUMENT INSTALLATION METHODS 2) PRELIMINARY RESULTS AND INTERPRETATIONS 3) LIMITATIONS. FLUID FLOW CHARACTERIZATION INCLUDES AVERAGE DOWNHOLE TEMPERATURES, MEAN AIR DENSITY, COMPUTED GRADIENT PRESSURE, AND ABSOLUTE PRESSURE IN TABULAR FORM. VARIATIONS OF MATRIC POTENTIAL, WATER POTENTIAL, AND ADJUSTED DOWN-HOLE PRESSURE VERSUS TIME; MATRIC AND WATER POTENTIAL VERSUS DEPTH; DISTRIBUTION OF MATRIC POTENTIAL AND TEMPERATURE GRADIENT COMPARED TO FRACTURE-TRACES PROFILE PRESENTED GRAPHICALLY. AIR PERMEABILITY BY MODIFIED WEEKS' METHOD, 1978; VAPOR FLUX BY BREDEHOEF AND PAPADOPOULOS, 1965. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.
ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930708312272.006	PERMEABILITY AND FLUID CHEMISTRY STUDIES OF THE TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFF, NEVADA TEST SITE: PART II, BY D.E. MOORE, C.A. MORROW, AND J.D. BYERLEE.	01/01/83-01/01/84	THREE EXPERIMENTS WERE PERFORMED TO TEST THE EFFECT OF PORE PRESSURE, SAMPLE ORIENTATION, AND FLOW DIRECTION ON PERMEABILITY AND PORE-FLUID CHEMISTRY. VARIATIONS IN PERMEABILITY WITH TIME DETERMINED FROM MEASURED CHANGES IN MASS FLOW RATE WHILE PORE PRESSURE GRADIENT HELD CONSTANT. CALCULATION PROCEDURES DESCRIBED IN MORROW, ET.AL. (1984) AND MOORE, ET.AL. (1984). SAMPLE FLUIDS COLLECTED DURING TESTING WERE ANALYZED USING TECHNIQUES DESCRIBED IN MOORE (OP.CIT.) AND "SOLMNEQ" PROGRAM (KHARAYA AND BARNES, 1973). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
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	01/01/86-12/31/86	USGS STANDARD COLLECTION METHODS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS910808312232.002	BOREHOLE AND GEOHYDROLOGIC DATA FOR TEST HOLE USW UZ-6, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, BY MERRICK S. WHITFIELD, COLLEEN M. COPE, AND CAROLE L. LOSKOT.	07/01/84-12/27/91	COMPILED BOREHOLE DATA.	D N C
ACQN/DEVL LOCATION : USGS, DENVER				

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GS910808312232.003	THERMISTOR CALIBRATION RECORDS FOR THERMISTORS 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, AND 140.  ACQN/DEVL LOCATION : HYDROLOGY RESEARCH FACILITY, AREA 25, NTS.	03/19/91-08/01/91	COLLECTED USING THMCAL VERSION 1.006 SOFTWARE. YMP-USGS/NHP0045.01	A Y P
GS911008312232.003	PRESSURE TRANSDUCER CALIBRATION RECORDS SET 1. DATA IS FOR FOLLOWING TRANSDUCERS: MOD 1 (CONTROL) MOD 2 326536, 326537, 326538, 326539, 326540, 326542, 326547, 326548, 326551, 326552, 326554, 326555, 326557, 326558, 326559.  ACQN/DEVL LOCATION : HYDROLOGIC RESEARCH FACILITY, AREA 25, NTS	02/18/91-03/29/91	COLLECTED USING PTCAL VERSION 1.007 SOFTWARE YMP-USGS-NHP-0036.01 GENERATED BY RUNNING THE PRESSURE TRANSDUCERS THROUGH A SET OF CONTROLLED TEMPERATURES AND PRESSURES AND MEASURING VOLTAGE OUTPUT.	A Y P
GS911008312232.004	PRESSURE TRANSDUCER CALIBRATION RECORDS SET 2. DATA IS FOR FOLLOWING TRANSDUCERS: MOD 1 (CONTROL) MOD 2 391952, 391953, 391954, 391957, 391958, 391959, 391961, 391962, 391964, 391966, 391967, 391968, 391970, 391972, 391974.  ACQN/DEVL LOCATION : HYDROLOGIC RESEARCH FACILITY, AREA 25, NTS	04/01/91-05/01/91	COLLECTED USING PTCAL VERSION 1.007 SOFTWARE YMP-USGS-NHP-0036.01 GENERATED BY RUNNING THE PRESSURE TRANSDUCERS THROUGH A SET OF CONTROLLED TEMPERATURES AND PRESSURES AND MEASURING VOLTAGE OUTPUT.	A Y P



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS911108312232.005	CORE INDEX, SAMPLING RECORD, DESCRIPTION OF SAMPLES AND FRACTURES FOR USW UZ-13.  ACQN/DEVL LOCATION : N752100(N) E558500(N)	01/24/85-04/18/85	USGS STANDARD COLLECTION METHODS.	A N C
GS911108312232.006	CORE DATA FOR USW UZ-13.  ACQN/DEVL LOCATION : N752100(N) E558500(N)	01/24/85-04/18/85	USGS STANDARD COLLECTION METHODS.	A N C
GS911108312232.007	DRILL CUTTINGS - WATER CONTENT MEASUREMENTS FOR USW UZ-13.  ACQN/DEVL LOCATION : N752100(N) E558500(N)	01/24/85-04/18/85	USGS STANDARD COLLECTION METHODS.	A N C
GS911108312232.008	WATER POTENTIAL DATA SC-10 FOR USW UZ-13.  ACQN/DEVL LOCATION : N752100(N) E558500(N)	01/24/85-04/18/85	USGS STANDARD COLLECTION METHODS.	A N C
GS911108312232.009	LOGBOOK FOR USW UZ-13.  ACQN/DEVL LOCATION : N752100(N) E558500(N)	01/24/85-04/18/85	USGS STANDARD COLLECTION METHODS.	A N C
GS911108312232.010	THERMOCOUPLE PSYCHROMETER CALIBRATION RECORDS SET 1: D13, D14, D15, D19, D21, E2, E3, E4, E5, E6, E7, E8, E9, 10, E12, E13, E14, E17, E19, E20, E22, E23, E24, E25, E26, E27, E30, E31.  ACQN/DEVL LOCATION : HYDROLOGIC RESEARCH FACILITY, AREA 25, NTS	02/03/91-05/18/91	COLLECTED USING TCPCAL VERSION 1.008 SOFTWARE. YMP-USGS-NHP0044 01. GENERATED BY RUNNING THE PSYCHROMETERS THROUGH A SET OF CONTROLLED TEMPERATURES IN A SERIES OF NaCl SOLUTIONS AND MEASURING VOLTAGE.	A Y P

# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	A N P	T O D U I I F L C I A T F T Y I I P E O E D N
95920208312231.007	PHYSICAL LAB DATA OF CORE SAMPLES FROM BOREHOLES DD1 AND DD2. INCLUDES DEPTH, BULK DENSITY, POROSITY, VOLUMETRIC WATER CONTENT, AND RELATIVE SATURATION.	01/02/90-06/01/90	BULK DENSITY DETERMINED USING ARCHIMEDES DISPLACEMENT METHOD. POROSITY DETERMINED USING VACUUM SATURATED WEIGHT AND 105 DEGREES CENTIGRADE OVEN DRIED WEIGHT. VOLUMETRIC WATER CONTENT MEASURED WITH TOP LOADING BALANCE AND MULTIPLIED BY BULK DENSITY AND SATURATION IS VOLUMETRIC WATER CONTENT DIVIDED BY POROSITY.	A N P	
	ACQN/DEVL LOCATION : DD-1 DD-2				
95920208312231.008	VOLUMETRIC WATER CONTENT MEASURED WITH A NEUTRON MOISTURE METER AT 0.1 M INTERVALS BEFORE AND AFTER IMBIBITION EXPERIMENTS IN 1 WELDED (DD-2) AND 1 NON-WELDED (DD-1) BOREHOLE.	12/01/89-08/30/90	CPN MODEL 503 NEUTRON MOISTURE METER USED IN 2 HORIZONTAL BOREHOLES. FIELD CALIBRATED USING CORE COLLECTED DURING DRILLING.	A N P	
	ACQN/DEVL LOCATION : G-TUNNEL				
95920208312231.009	CALCULATED SORPTIVITY VALUES AT VARIOUS INITIAL WATER CONTENTS FOR CORE FROM NON-WELDED (DD-1) AND WELDED (DD-2) BOREHOLES. IMBIBITION INTO NON-WELDED (DD-1) BOREHOLE WITH TIME.	07/12/89-12/19/89	BOREHOLE IMBIBITION DATA COLLECTED WITH PRESSURE TRANSDUCER HOOKED TO A MARIOTTE SYSTEM AND TO A DATALOGGER. CORE DATA COLLECTED FROM A TOP LOADING BALANCE CONNECTED TO A COMPUTER, AND REGRESSIONS RUN TO PRODUCE SLOPE OF SORPTIVITY VS. TIME 1/2.	A N P	
	ACQN/DEVL LOCATION : GTUF (G-TUNNEL UNDERGROUND FACILITY)				

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GSJ20808312232.001	GEOHYDROLOGICAL DATA FROM DRILL-BIT CUTTINGS AND ROTARY CORES FROM TEST HOLE USW UZ-13, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, BY JACK KUME AND DALE P. HAMMERMEISTER.	01/24/85-04/18/85	THE REPORT DESCRIBES METHODS USED IN DRILLING AND CORING THE TEST HOLE, METHODS USED TO COLLECT, HANDLE AND TEST SAMPLES, AND TO DETERMINE LITHOLOGIC INFORMATION, WATER CONTENT AND POTENTIAL, BULK DENSITY AND GRAIN-DENSITY DATA FOR THE TEST HOLE.	D N P
ACQN/DEVL LOCATION : HOLMES & NARVER, MERCURY, NV TEST CELL C USGS, NTS				
GS921208312232.002	SEISMIC CROSS-BOREHOLE IMAGING OF THE NEAR SURFACE USING TOMOGRAPHY AND PRESTACK MIGRATION IN ELASTIC PHYSICAL MODELS BY A.H. BALCH, HYUNSAM CHANG, GREGG HOFLAND, KURT RANZINGER, AND W.A. SCHNEIDER, JR.	01/01/90-08/31/92	COMPUTER MODELING INCLUDING WAVEMODE SEPARATION, INVERSE Q-FILTERING, AND PRESTACK MIGRATION.	D N C
ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO.				
GS930108312232.001	"A THREE-DIMENSIONAL PHYSICAL MODELING STUDY APPLYING TOMOGRAPHIC INVERSION AND SEISMIC MIGRATION TO THE TUNNEL DETECTION PROBLEM", BY WILLIAM A. SCHNEIDER, JR.	01/01/88-03/28/90	COMPUTER MODELING INCLUDING TUNNEL IMAGING THROUGH TOMOGRAPHIC TRAVEL-TIME INVERSION.	D N C
ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO				

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930108312232.002	"MULTI-MODE SEISMIC CROSS-BOREHOLE IMAGING OF A PRODUCING HORIZON USING PHYSICAL ELASTIC MODELING", BY M. HAKAN KARAZINCIR.	01/01/90-05/07/92	COMPUTER MODELING INCLUDING MODE-SEPARATION, SIGNATURE DECONVOLUTION, MULTI-MODE REVERSE TIME MIGRATION (IMAGING) OF COMMON SOURCE GATHERS, AND STACKING.	D N C
ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO				
GS930108312232.003	"WAVE MODE SEPARATION OF MULTI-COMPONENT MULTIPLE-OFFSET VSP DATA FROM A COMPLEX PHYSICAL EARTH MODEL", BY KURT A. RANZINGER.	01/01/88-04/10/90	COMPUTER MODELING: INCLUDES MODE SEPARATION ALGORITHM.	D N C
ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO				
GS930108312232.004	"MULTI-MODE CROSSHOLE REFLECTION IMAGING OF MULTI-COMPONENT PHYSICAL MODEL DATA", BY HYUNSAM CHANG.	01/01/89-06/26/91	COMPUTER MODELING: INCLUDES STACKING, IMAGING, WAVE MODE SEPARATING.	D N C
ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO				
GS930108312232.005	"COMPUTER AND PHYSICAL VSP MODELING OF YUCCA MOUNTAIN, NEVADA", BY DAVID A. CUNNINGHAM.	01/01/87-11/07/88	COMPUTER MODELING INCLUDING SEPARATION OF WAVEFIELDS, MEDIAN FILTERING, IMAGING.	D N C
ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO				
GS930108312232.006	"MULTI-MODE, MULTIPLE OFFSET VSP REVERSE TIME MIGRATION (IMAGING) OF A COMPLEX, PHYSICAL EARTH MODEL", BY GREGG S. HOFLAND	09/01/88-06/01/89	COMPUTER MODELING INCLUDING IMAGING, WAVE-MODE SEPARATION, DECONVOLUTION, TRACING.	D N C
ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO				

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS93010831732.007	"ILLUMINATION ANGLE DETERMINATION AND ITS APPLICATION TO PRESTACK MIGRATION OF P/S CONVERTED WAVES ON PHYSICAL ELASTIC MODEL DATA", BY CEMAL ERDEMIR.	01/01/90-06/26/92	COMPUTER MODELING INCLUDING TRACING. STACKING.	D N C
ACQN/DEVL LOCATION : COLO. SCHOOL OF MINES, GOLDEN, CO				
GS930208312232.008	CALCULATED SORPTIVITY VALUES FROM EXPERIMENTAL IMBIBITION DATA USING PHILIP'S SORPTIVITY EQUATION.	07/12/89-01/30/90	USING PHILIP'S SORPTIVITY EQUATION WHERE IMBIBITION (INFILTRATION) = S (SORPTIVITY) * TIME <sup>1/2</sup> . S IS CALCULATED USING EXPERIMENTAL IMBIBITION DATA.	D N P
ACQN/DEVL LOCATION : USGS HRF, NTS AREA 25, MERCURY, NV				
GS930208312232.009	LITHOLOGIC CONTACT DATA FROM BOREHOLE USW UZ-6S.	04/23/85-06/04/85	TV CAMERA LOGS, CORE SAMPLES & BIT CUTTING A N P SAMPLES WERE USED TO PICK THE LITHOLOGIC CONTACTS. DATA WERE ACQUIRED DURING BOREHOLE CONSTRUCTION.	
ACQN/DEVL LOCATION : USW UZ-6S				
GS930408312232.010	ROCK-PROPERTY MEASUREMENTS ON LARGE-VOLUME CORE SAMPLES FROM YUCCA MOUNTAIN USW GU-3/G-3 (USW GU-3, USW G-3) AND USW G-4 BOREHOLES, NEVADA TEST SITE, NEVADA, BY L.A. ANDERSON.	01/01/82-08/21/84	MEASURED VALUES AND PRELIMINARY INTERPRETATION OF LABORATORY ANALYSES OF CORE SAMPLES. TECHNIQUES AND EQUIPMENT USED TO MEASURE ROCK PROPERTIES DESCRIBED BY ANDERSON, L.A., 1981, ROCK PROPERTY ANALYSIS OF CORE SAMPLES FROM THE YUCCA MOUNTAIN UE-25A #1 BOREHOLE. VALUES OF NATURAL, SATURATED AND DRY BULK DENSITY, GRAIN DENSITY, WATER-ACCESSIBLE POROSITY DETERMINED BY THE BUOYANCY METHOD BY JOHNSON, G.R., 1979. TEXTURAL PROPERTIES IN HUNT, G.R. & OTHERS. COMPRESSIONAL SONIC VELOCITY, ELECTRICAL RESISTIVITY, AND INDUCED POLARIZATION METHODS DESCRIBED IN REPORT. CORRELATION BETWEEN SATURATED BULK DENSITY, VELOCITY, RESISTIVITY AND POROSITY BASED ON LEAST SQUARES FIT.	D N C

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ACQN/DEVL LOCATION : USGS, DENVER, CO.				
GS930508312232.011	VACUUM DRILLING OF UNSATURATED TUFFS AT A POTENTIAL RADIOACTIVE-WASTE REPOSITORY, YUCCA MOUNTAIN, NEVADA, BY MERRICK S. WHITFIELD	01/01/85-10/07/85	VACUUM DRILLING WAS USED: 1) TO OBTAIN A VERTICAL MOISTURE-CONTENT PROFILE OF THE ROCKS DRILLED, 2) TO CHECK FOR THE PRESENCE OF PERCHED-WATER ZONES, AND 3) TO EMPLACE HYDROLOGIC INSTRUMENTS AT SELECTED DEPTHS TO COLLECT PRESSURE AND MOISTURE POTENTIAL DATA.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930508312232.012	MINERALOGY OF FINE GRAINED ALLUVIUM FROM BOREHOLE U11G, EXPL. 1, NORTHERN FRENCHMAN FLAT AREA, NEVADA TEST SITE BY BLAIR F. JONES.	01/01/81-06/23/82	REPORT USES MINERALOGIC CRITERIA TO INDICATE THE EXTENT OF CHANGES IN HYDROLOGIC REGIME. MAJOR MINERAL COMPOSITION BY X-RAY DIFFRACTION, MOISTURE CONTENT AND PERCENT CO <sub>2</sub> BY ACID TITRATION (EGE, 1971), CHEMICAL ANALYSES USING MODIFICATIONS OF RAPID ROCK METHODS (SHAPIRO, 1975), CEC METHODS DESCRIBED IN TEXT. RESULTS PRESENTED IN TABULAR FORM. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930608312232.013	MONITORING HYDROLOGIC CONDITIONS IN THE VADOSE ZONE IN FRACTURED ROCKS, YUCCA MOUNTAIN, NEVADA, BY PAVRIZ MONTAZER	01/01/87-06/01/87	MONITORING OF CONDITIONS IN BOREHOLE WAS DONE BY: 1) STEMMING TESTS, 2) MEASURING MATRIC POTENTIAL WITH HEAT DISSIPATION PROBES, 3) MEASURING VARIATIONS OF WATER POTENTIAL BY THERMOCOUPLE PSYCHROMETER, 4) TEMPERATURE RECORDS, 5) AND DATA FROM DOWNHOLE PRESSURE TRANSDUCERS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SS430608312232.014	APPLICATION OF GEOPHYSICAL LOGS TO ESTIMATE MOISTURE-CONTENT PROFILES IN UNSATURATED TUFF, YUCCA MOUNTAIN, NEVADA BY IBRAHIM PALAZ.	01/01/85-10/29/85	STUDY COMPARES THE RESULTS OF MOISTURE-CONTENT ANALYSES OF VARIOUS GEOPHYSICAL LOGS WITH MOISTURE-CONTENT DATA FROM DRILL CUTTINGS (USW UZ-1 AND UZ-6, AS A MEANS TO DETERMINE IF LOGS ARE USEFUL IN MOISTURE-CONTENT ESTIMATION. PROFILE CORRELATIONS INCLUDE 1) DENSITY 2) CALCULATED POROSITY 3) DEGREE OF WELDING 4) FORMATION RESISTIVITY AND POROSITY 5) DIELECTRIC CONSTANT AND POROSITY 6) MOISTURE CONTENT 7) DIELECTRIC LOG VERSUS EPITHERMAL-NEUTRON LOG.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
SS430608312232.015	DRILLING AND GEOHYDROLOGIC DATA FOR TEST HOLE USW UZ-1, INCLUDES WATER CONTENT, MATRIC POTENTIAL, CHEMICAL ANALYSIS, TEMPERATURE, SPECIFIC CONDUCTANCE, PH, POROSITY, WATER LEVEL, GEOPHYSICAL LOGS, ANALYSIS OF FLOW BETWEEN USW UZ-1 AND USW G-1, AND VAPOR DIFFUSION.	06/01/83-05/06/85	PROCEDURES/METHODS INCLUDE HP-12,R0, IDENTIFICATION, TRANSPORT, & HANDLING OF DRILL CUTTINGS, SAMPLES AND CORE FROM UZ BOREHOLES; HP-13,R0, COLLECTION & FIELD ANALYSIS OF UZ GROUNDWATER SAMPLES; HP-14, R0, CALIBRATING THERMOCOUPLE PSYCHROMETERS FOR MEASURING WATER POTENTIAL OF PARTIALLY SATURATED MEDIA; HP-15,R0-R1, CALIBRATING HEAT-DISSIPATION SENSORS FOR MEASURING IN-SITU MATRIC POTENTIAL WITHIN POROUS MEDIA; HP-17,R0, CALIBRATION AND TESTING OF PRESSURE TRANSDUCERS FOR AIR PERMEABILITY IN UZ; HP-18,R0, FREQUENCY OF EQUIPMENT CALIBRATION FOR UZ TESTING; HP-19,R0, IDENTIFICATION, TRANSPORT, AND HANDLING OF INSTRUMENTATION PACKAGES AND EQUIPMENT FOR FIELD TESTING; HP-20,R0, OPERATION OF STANDARD DEAD-WEIGHT TESTER; HP-21,R0-R1, CABLE ASSEMBLY AND PROBE-CONNECTION INSTRUCTIONS FOR INSTRUMENT PACKAGES; HP-22,R0-R1, PROBE INSTALLATION AND STEMMING PLAN FOR TEST HOLE USW UZ-1.	A N P
ACQN/DEVL LOCATION : USW UZ-1				

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# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
US930608312232.016	DRILLING AND GEOHYDROLOGIC DATA FOR TEST HOLE USW UZ-1, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY M.S. WHITFIELD, W. THORPARDSON, AND D.P. HAMMERMEISTER.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/89-06/05/90	DESCRIPTION & INTERPRETATION OF GEOHYDROLOGIC DATA.	D N P
US930608312232.017	GRAVIMETRIC WATER CONTENT DATA FOR USW UZ-6.  ACQN/DEVL LOCATION : TEST CELL C, AREA 25, NTS USW UZ-6	06/18/84-01/17/85	GRAVIMETRIC METHOD AS DESCRIBED IN HP-32, RO, METHOD FOR MONITORING MOISTURE CONTENT OF DRILL-BIT CUTTINGS FROM THE UNSATURATED ZONE.	A N C
US930608312232.018	WATER POTENTIAL DATA FOR USW UZ-6.  ACQN/DEVL LOCATION : TEST CELL C, AREA 25, NTS USW UZ-6.	06/18/84-01/17/85	WATER POTENTIAL MEASUREMENTS OF CORE AND CUTTINGS USING SC-10 DECAGON DEVICE. HP-14, R1 & R2, METHOD FOR CALIBRATING PELTIER-TYPE PSYCHROMETERS FOR MEASURING WATER POTENTIAL OF PARTIALLY-SATURATED MEDIA.	A N C
US930608312232.019	FRACTURE DATA FOR USW UZ-6  ACQN/DEVL LOCATION : DOI NATIONAL TRAINING CENTER, DENVER USW UZ-6	11/13/84-11/27/84	FRACTURE FREQUENCY WAS DETERMINED FROM A DOWNHOLE CAMERA TAPE OF BOREHOLE.	A N C



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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930708312232.020	LOGBOOKS AND OTHER DRILLING DATA FOR USW UZ-6.	06/14/84-08/29/84	STANDARD USGS METHODS FOR CHRONOLOGICAL FIELD RECORD OF DRILLING, DRILL RATE CURVE, DIPECTIONAL SURVEY, MAGNETIC SUSCEPTIBILITY.	A N C
	ACQN/DEVL LOCATION : USW UZ-6			
*GS930708312232.021	MISCELLANEOUS USW UZ-6 DATA.	06/26/84-12/20/84	STANDARD USGS METHODS FOR PLANNING THE STEMMING AND INSTRUMENTATION OF A BOREHOLE AS DESCRIBED IN THE DATA SEGMENT. STEMMING AND INSTRUMENTATION HAS NOT BEEN DONE 9 THIS SUBMITTAL DATE.	A N C
	ACQN/DEVL LOCATION : USW UZ-6			
*GS930708312232.022	PERMEABILITY AND PORE-FLUID CHEMISTRY OF THE TOPOFAH SPRING TUFF, NEVADA TEST SITE, IN A TEMPERATURE GRADIENT, BY C.A. MORROW, D.E. MOORE, AND J.D. BYERLEE	01/01/83-10/31/83	FLUID COLLECTION PROCEDURES AND ANALYTICAL TECHNIQUES BY MORROW AND OTHERS, METHODS DESCRIBED WITHIN. VARIATIONS IN PERMEABILITY WITH TIME WAS DETERMINED FROM MEASURED CHANGES IN THE MASS FLOW RATE OVER THE CONSTANT PORE PRESSURE DIFFERENTIAL USING THE RADIAL FLOW FORM OF DARCY'S LAW. VARIABLE VISCOSITY WAS INCORPORATED INTO A COMPUTER PROGRAM WHICH CALCULATED PERMEABILITY FROM FLOW RATE AND PRESSURE DATA.	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 - 8.3.1.2.2.4.2				
GS921208312242.001	AIR PRESSURE (GAUGE AND ABSOLUTE), TEMPERATURE, RELATIVE HUMIDITY, WATER PRESSURE, WATER AND AIR FLOW RATES, MASS, WATER VOLUME, TIME, MATRIC POTENTIAL, ELECTRIC RESISTANCE.	09/02/91-11/30/92	PROGRAMS WRITTEN IN TURBO PASCAL WERE DEVELOPED TO CONTROL SCANNERS, VOLTMETERS, CURRENT SOURCES, WATER PUMP, AND A MASS SCALE TO COLLECT THE DATA. THE DATA WERE COLLECTED DURING AN INFILTRATION EXPERIMENT INTO A BLOCK OF FRACTURED WELDED TUFF. THE BLOCK MEASURED 47.5 CM LONG X 54.3 CM WIDE X 80.6 CM HIGH.	A Y P
ACQN/DEVL LOCATION : USGS LAB, DFC DENVER				
GS921208312242.002	"LABORATORY STUDY OF WATER INFILTRATION INTO A BLOCK OF WELDED TUFF" BY FALAH THAMIR, EDWARD KWICKLIS, AND STEVE ANDERTON.	09/01/92-12/16/92	INTERPRETATION OF SOURCE DATA BY INVESTIGATOR.	D Y P
ACQN/DEVL LOCATION : USGS LAB, DFC DENVER				
Activity - 8.3.1.2.2.6.1				
GS910608312261.001	THE COMPOSITION AND CO(2) CARBON ISOTOPE SIGNATURE OF GASES FROM BOREHOLE USW-UZ-6, YUCCA MOUNTAIN, NEVADA, BY DONALD C THORSTENSON.	09/01/86-03/01/90	PLEASE REFER TO THE FOLLOWING TECHNICAL PROCEDURES FOR DESCRIPTIONS OF OUR COLLECTION PROCESS: HP-56, R2, HP-160, P1, HP-175, R2, HP-176, R1, HP-177, R1, HP-178, R0.	A N P
ACQN/DEVL LOCATION : USW-UZ-1 USW-UZ-6 USW-UZ6S				

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS921208312261.002	C.S.I. 21X DATALOGGER PRINTOUT FOR WELL USW UZ-6S  ACQN/DEVL LOCATION : USW UZ-6S	05/03/89-02/18/89	AUTOMATED DATA COLLECTION SYSTEM	A N P
GS921208312261.003	CO2, CH4, C-13, & C-14 DATA COLLECTED IN USW WELLS UZ-6, UZ-6S, UZ-N93, UZ-N94, UZ-N95, AT SELECTED DEPTH INTERVALS  ACQN/DEVL LOCATION : S.M.U., DALLAS, TX USGS, DENVER	03/01/90-04/03/91	C-14 ANALYSIS PERFORMED AT S.M.U., CO2 > BENZENE SYNTHESIS - SCINTILLATION ANALYSIS. C-13 MASS SPEC. ANALYSIS. CO2 & CH4 COLLECTED USING STANDARD METHODS & ANALYSIS PERFORMED BY GAS CHROMATOGRAPHY.	A N P
GS940508312261.004	PHYSICAL AND CHEMICAL CHARACTERISTICS OF TOPOGRAPHICALLY AFFECTED AIRFLOW IN AN OPEN BOREHOLE AT YUCCA MOUNTAIN, NEVADA, BY DONALD C. THORSTENSON, EDWIN P. WEEKS, HERBERT HAAS, AND JOAN C. WOODWARD  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/89-01/25/90	CHEMICAL AND ISOTOPIC DATA WERE OBTAINED FROM EXHALATION CYCLE AT HOLE USW UZ-6S AND SAMPLES COLLECTED FROM SHALLOW BOREHOLES DRILLED ON THE CREST OF YUCCA MOUNTAIN. DATA FOR FLOW DISTRIBUTION WITH DEPTH PRESENTED. GAS FLOW AND CHEMISTRY DATA PERMIT INFERENCES TO BE DRAWN AS TO ORIGIN AND GEOCHEMICAL REACTIONS IN DEEP BOREHOLES.	D N P
GS940508312261.005	STOP 14: GASEOUS PHASE FLOW AND TRANSPORT THROUGH YUCCA MOUNTAIN, BY R.C. TRAUTZ AND E.P. WEEKS  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-04/18/89	AUTHORS' SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 0.3.1.2.2.7.1				
GS911108312271.001	HEAT EVACUATION SHEETS FOR GAS STORAGE AND COLLECTION CYLINDERS. EVACUATION PERFORMED PRIOR TO UZ1 BOREHOLE GAS COLLECTION.  ACQN/DEVL LOCATION : UZ1	05/01/89-10/31/91	USGS-HP-195	A Y P
GS911108312271.002	FIELD PUMPING DATA SHEETS DOCUMENTING PUMPING TIMES, FLOW RATES, SAMPLE COLLECTION AND TUBING ADVANCES FOR UZ1.  ACQN/DEVL LOCATION : UZ1	01/01/84-10/31/91	USGS-HP-56	A Y P
GS911108312271.003	DEGASSING DATA SHEETS DOCUMENTING DEGASSING TIME, TEMPERATURE, AND APPROXIMATE VOLUMES OF GAS FOR BOREHOLE UZ1.  ACQN/DEVL LOCATION : UZ1	01/01/84-10/31/91	USGS-HP-86 AND USGS-HP-190T	A Y P
GS911108312271.004	GAS CHROMATOGRAPH RECORDS OF GAS CONCENTRATIONS OF SYRINGE SAMPLES TAKEN DURING UZ1 BOREHOLE GAS SAMPLING.  ACQN/DEVL LOCATION : UZ1	12/01/84-04/01/91	USGS-HP-160	A Y P
GS911108312271.005	FLOW METER CALIBRATION RECORD FOR UZ1.  ACQN/DEVL LOCATION : UZ1	03/01/87-04/01/91	USGS-HP-56	A Y P

## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS911208312271.006	LABORATORY RESULTS OF DELTA 18 O VALUES FROM WATER VAPOR SAMPLES, BOREHOLE UZ1. ACQN/DEVL LOCATION : USGS	04/10/89-10/31/89	USGS APPROVED VENDOR SERVICE	D Y P
GS911208312271.007	LABORATORY RESULTS OF TRITIUM VALUES FROM WATER VAPOR SAMPLES FROM BOREHOLE UZ1. ACQN/DEVL LOCATION : USGS	02/04/86-10/31/91	USGS APPROVED VENDOR LABORATORY	D Y P
GS911208312271.008	LABORATORY RESULTS OF DELTA D VALUES FROM WATER VAPOR SAMPLES FROM BOREHOLE UZ1. ACQN/DEVL LOCATION : USGS	04/10/89-10/31/91	USGS APPROVED VENDOR LABORATORY	D Y P
GS911208312271.009	LABORATORY RESULTS OF CARBON-14 ANALYSIS OF GAS SAMPLES FROM BOREHOLE UZ1. ACQN/DEVL LOCATION : USGS	01/01/84-10/31/91	USGS STANDARD METHODS	D Y P
GS911208312271.010	LABORATORY RESULTS OF CARBON-13/CARBON 12 ISOTOPE RATIO FROM GAS SAMPLES FROM BOREHOLE UZ1. ACQN/DEVL LOCATION : USGS	01/01/84-10/31/91	USGS STANDARD METHODS	D Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS911208312271.011	GAS CHROMATOGRAPH INTERPRETATION OF GAS CONCENTRATION OF SYRINGE SAMPLES TAKEN DURING UZ1 BOREHOLE GAS SAMPLING.  ACQN/DEVL LOCATION : USGS	12/01/84-04/01/91	USGS-HP-160	D Y P
GS930108312271.001	HEAT EVACUATION SHEETS FOR GAS STORAGE AND COLLECTION CYLINDERS. EVACUATION PERFORMED PRIOR TO USW UZ-1 BOREHOLE GAS COLLECTION.  ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, NTS	12/09/91-12/19/91	CYLINDER HEAT EVACUATION PERFORMED BY PROCEDURES OUTLINED IN HP-195,R0, METHOD FOR HEAT EVACUATING GAS STORAGE AND COLLECTION CYLINDERS.	A Y P
GS930108312271.002	CALIBRATION RECORD FOR FLOW METER USED TO DETERMINE PUMPING VOLUMES IN SUPPORT OF USW UZ-1 HYDROCHEMISTRY BOREHOLE GAS SAMPLING ACTIVITIES.  ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, NTS	12/09/91-12/19/91	FLOW METER CALIBRATION PERFORMED BY PROCEDURES OUTLINED IN HP-56,R3, GAS AND WATER VAPOR SAMPLING FROM UNSATURATED-ZONE TEST HOLES.	A Y P
GS930108312271.003	FIELD PUMPING DATA SHEETS DOCUMENTING PUMPING TIMES, FLOW RATES, SAMPLE COLLECTION, TUBING ADVANCES FOR BOREHOLE USW UZ-1.  ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS USW UZ-1	12/09/91-12/19/91	COLLECTED DATA USING PROCEDURES OUTLINE: IN HP-56,R3, GAS AND WATER VAPOR SAMPLING FROM UNSATURATED-ZONE TEST HOLES.	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930108312271.004	GAS CHROMATOGRAPH ANALYSIS OF GAS CONCENTRATION OF SYRINGE SAMPLES TAKEN DURING USW UZ-1 BOREHOLE GAS SAMPLING.	12/09/91-12/19/91	GAS CHROMATOGRAPH SAMPLES ARE ANALYZED BY PROCEDURES OUTLINED IN HP-160,R0, METHODS FOR ANALYSIS OF SAMPLES FOR GAS COMPOSITION BY GAS CHROMATOGRAPHY. SAMPLES ARE DESTROYED IN ANALYSIS. SEVERAL SAMPLES ARE TAKEN AT EACH PROBE (DEPTH) IN BOREHOLE EACH SAMPLING TRIP AS AN AID IN DETERMINING PUMPING EFFICIENCY.	A Y P
	ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS USW UZ-1			
GS930108312271.005	DEGASSING DATA SHEETS DOCUMENTING DEGASSING TIME, TEMPERATURE, APPROXIMATE VOLUMES OF GAS FOR USW UZ-1. DATA SHEETS INCLUDE C-14, C13/C12, SILICA GEL DEWATERING.	12/09/91-12/19/91	DATA ACQUISITION FOLLOWING PROCEDURES OUTLINED IN HP-86,R2, METHOD FOR DEGASSING CO2 AND H2O VAPOR SAMPLES FROM UNSATURATED ZONE TEST HOLES, AND HP-190T,R0 SILICA GEL DEWATERING.	A Y P
	ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS			
GS930108312271.006	LABORATORY RESULTS OF DELTA-180 VALUES FROM WATER VAPOR SAMPLES FROM BOREHOLE USW UZ-1.	12/09/91-12/19/91	DELTA-180 ANALYSIS OF SAMPLES BY APPROVED VENDOR.	A Y P
	ACQN/DEVL LOCATION : USGS NWQL, DENVER USGS, DENVER			

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GS930108312271.007	LABORATORY RESULTS OF DELTA-D VALUES FROM WATER VAPOR SAMPLES FROM BOREHOLE USW UZ-1.  ACQN/DEVL LOCATION : USGS NWQL, DENVER USGS, DENVER	12/09/91-12/19/91	DELTA-D ANALYSIS OF SAMPLES BY APPROVED VENDOR.	A Y P
GS930108312271.008	LABORATORY RESULTS OF TRITIUM VALUES FROM WATER VAPOR SAMPLES FROM BOREHOLE USW UZ-1.  ACQN/DEVL LOCATION : USGS NWQL, DENVER USGS, DENVER	12/09/91-12/19/91	3H ANALYSIS OF SAMPLES BY APPROVED VENDOR.	A Y P
GS930108312271.009	LABORATORY RESULTS OF CARBON 13/CARBON 12 ISOTOPE RATIO FROM GAS SAMPLES FROM BOREHOLE USW UZ-1.  ACQN/DEVL LOCATION : USGS BR. OF PETRO. GEOLOGY, DENVER USGS, DENVER	12/09/91-12/19/91	CARBON 13/CARBON 12 ANALYSIS OF SAMPLES.	A Y P
GS930108312271.010	LABORATORY RESULTS OF CARBON 14 ANALYSIS OF GAS SAMPLES FROM BOREHOLE USW UZ-1.  ACQN/DEVL LOCATION : KRUEGER GEOCHRON LAB, CAMBRIDGE, MA USGS, DENVER	12/09/91-12/19/91	14C ANALYSIS OF SAMPLES.	A Y P
GS930408312271.011	HEAT EVACUATION SHEETS FOR GAS STORAGE AND COLLECTION CYLINDERS. EVACUATION PERFORMED PRIOR TO USW UZ-1 BOREHOLE GAS COLLECTION, MAY, 1989, THRU JAN., 1991.  ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS	05/22/89-01/31/91	CYLINDER HEAT EVACUATION PERFORMED BY PROCEDURES OUTLINED IN HP-195, RO, METHOD FOR HEAT EVACUATING GAS STORAGE AND COLLECTION CYLINDERS.	A Y P



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
5940408312271.012	FLOW METER CALIBRATION RECORD FLOW METER USED TO DETERMINE PUMPING VOLUMES IN SUPPORT OF USW UZ-1 HYDROCHEMISTRY BOREHOLE GAS SAMPLING ACTIVITIES, MAY, 1989 THRU JAN., 1991.	05/22/89-01/31/91	FLOW METER CALIBRATION PERFORMED BY PROCEDURES OUTLINED IN HP-56,R0, GENERAL PROCEDURE FOR SOIL GAS SAMPLING IN UNSATURATED-ZONE TEST HOLES, HP-56,R1 AND R2, GAS AND VAPOR SAMPLING FROM UNSATURATED-ZONE TEST HOLES.	A Y P
	ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS			
5940408312271.013	FIELD PUMPING DATA SHEETS DOCUMENTING PUMPING TIMES, FLOW RATES, SAMPLE COLLECTION, TUBING ADVANCES, FOR USW UZ-1 MAY, 1989 THRU JAN., 1991.	05/22/89-01/31/91	COLLECTED DATA USING PROCEDURES OUTLINED IN HP-56,R0, GENERAL PROCEDURE FOR SOIL GAS SAMPLING IN UNSATURATED-ZONE TEST HOLES, HP-56,R1 AND R2, GAS AND VAPOR SAMPLING FROM UNSATURATED-ZONE TEST HOLES.	A Y P
	ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS USW UZ-1			
5940408312271.014	GAS CHROMATOGRAPH ANALYSIS OF GAS CONCENTRATIONS OF SYRINGE SAMPLES TAKEN DURING USW UZ-1 BOREHOLE GAS SAMPLING, MAY, 1989, THRU JAN., 1991.	05/22/89-01/31/91	GAS CHROMATOGRAPH ARE ANALYZED BY PROCEDURES OUTLINED IN HP-160,R0, METHODS FOR COLLECTION AND ANALYSIS OF SAMPLES FOR GAS COMPOSITION BY GAS CHROMATOGRAPHY, AND HP-160,R1, METHODS FOR ANALYSIS OF SAMPLES FOR GAS COMPOSITION BY GAS CHROMATOGRAPHY. SAMPLES ARE DESTROYED IN ANALYSIS. SEVERAL SAMPLES ARE TAKEN AT EACH DEPTH IN HOLE UZ-1. EACH SAMPLING TRIP IS AN AID IN DETERMINING PUMPING EFFICIENCY.	A Y P
	ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS			

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GS930408312271.015	DEGASSING DATA SHEETS DOCUMENTING DEGASSING TIME, TEMPERATURE, APPROXIMATE VOLUME OF GAS, MAY, 1989, THRU JAN., 1991. DATA SHEETS INCLUDE C-14, C13/C12, SILICA GEL DEWATERING.	05/22/89-01/31/91	DATA ACQUISITION FOLLOWING PROCEDURES OUTLINED IN HP86,R2, METHOD FOR DEGASSING; CO2 AND H2O VAPOR SAMPLES FROM UNSATURATED ZONE TEST HOLES, HP-19T,R0, SILICA GEL DEWATERING, HP-194,R0, CALCULATION OF RELATIVE HUMIDITY AT DEPTHS WITHIN UNSATURATED ZONE TEST HOLES USING A SILICA-GEL TOWER.	A Y P
	ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS			
GS930408312271.016	LABORATORY RESULTS OF DELTA 18O VALUES FROM WATER VAPOR SAMPLES FROM BOREHOLE USW UZ-1, MAY, 1989, THRU JAN., 1991.	05/22/89-01/31/91	DELTA 18O ANALYSIS BY APPROVED VENDOR.	A Y P
	ACQN/DEVL LOCATION : USGS NWQL, DENVER USGS, DENVER			
GS930408312271.017	LABORATORY RESULTS OF DELTA D VALUES FROM WATER VAPOR FROM BOREHOLE USW UZ-1, MAY, 1989, THRU JAN., 1991.	05/22/89-01/31/91	DELTA-D ANALYSIS BY APPROVED VENDOR.	A Y P
	ACQN/DEVL LOCATION : USGS NWQL, DENVER USGS, DENVER			
GS930408312271.018	LABORATORY RESULTS OF TRITIUM VALUES FROM WATER VAPOR SAMPLES FROM BOREHOLE USW UZ-1, MAY, 1989, THRU JAN., 1991.	03/22/89-01/31/91	3H ANALYSIS BY APPROVED VENDOR.	A Y P
	ACQN/DEVL LOCATION : USGS NWQL, DENVER USGS, DENVER			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SS930408312271.019	LABORATORY RESULTS OF CARBON 13/CARBON 12 ISOTOPE RATIO FROM GAS SAMPLES FROM BOREHOLE USW UZ-1, MAY, 1989, THRU JAN., 1991.  ACQN/DEVL LOCATION : USGS BRANCH OF PETRO. GEOLOGY, DENVER USGS, DENVER	05/22/89-01/31/91	C13/C12 ANALYSIS BY APPROVED VENDOR.	A Y P
SS930408312271.020	LABORATORY RESULTS OF CARBON 14 ANALYSIS OF GAS SAMPLES FROM BOREHOLE USW UZ-1, MAY, 1989, THRU JAN., 1991.  ACQN/DEVL LOCATION : KRUEGER ENTERPRISES GEOCHRON LAB, CAMBRIDGE, MA USGS, DENVER	05/22/89-01/31/91	14C DETERMINATION BY APPROVED VENDOR.	A Y P
SS930508312271.021	ANALYSIS OF GASEOUS-PHASE STABLE AND RADIOACTIVE ISOTOPES IN THE UNSATURATED ZONE, YUCCA MOUNTAIN, NEVADA, BY IN C. YANG, HERBERT H. HAAS, EDWIN P. WEEKS, AND DONALD C. THORSTENSON  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/85-10/31/85	SAMPLES WERE ANALYZED BY GAS CHROMATOGRAPHY, KOH METHOD, AND MOLECULAR-SIEVE METHOD; METHODS DESCRIBED IN REPORT. 12C/13C AND 14C/12C MOLE FRACTIONS WERE PLOTTED AS A FUNCTION OF DEPTH.	D N C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.7.2.7.2				
GS910408312272.001	COMPARISON OF PORE-WATER EXTRACTION BY TRIAXIAL COMPRESSION AND HIGH-SPEED CENTRIFUGATION METHODS.  ACQN/DEVL LOCATION : USGS	01/10/86-04/30/86	USGS STANDARD COLLECTION METHOD	D N C
GS920408312272.002	PRELIMINARY ISOTOPIC DATA FOR TRITIUM, CHEMICAL COMPOSITION, CARBON-14, CARBON-13, OXYGEN-18, AND DEUTERIUM IN PORE WATER IN CORES OBTAINED FROM TWO TEST HOLES IN PAGANY WASH, A DRY CHANNEL ON THE EAST SIDE OF YUCCA MOUNTAIN.  ACQN/DEVL LOCATION : ROSENTIEL TRITIUM LAB, U. OF MIAMI, FL U OF A, TUCSON, AZ USBR, DENVER USGS, DENVER USGS, RESTON	10/10/84-04/19/90	CORES WERE OBTAINED BY U-PY-CORING. SAMPLES WERE SUBJECTED TO SEALING AND TEMPERATURE CONTROL IN TRANSPORT; SUBJECTED TO TRIAXIAL COMPRESSION OR HIGH-SPEED CENTRIFUGATION, THEN VACUUM DISTILLATION TO OBTAIN WATER FOR ANALYSES. 3H, DEL D, AND DEL 18/O ANALYSES WERE PERFORMED.	A N C
GS920508312272.003	DATA FROM PACKAGING MATERIALS FOR CORE SEALING TESTS. TESTS UTILIZE SAMPLES FROM PROTOTYPE BOREHOLE UZF5, BOREHOLE UE-25 UZ #4, AND G-TUNNEL.  ACQN/DEVL LOCATION : G-TUNNEL UE-25 UZ #4 UZF5, ALTS, AZ	10/10/84-09/30/91	MEASUREMENT OF SEALING MATERIAL AND PACKAGING FOR TRANSPORT.	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920508312272.004	DATA FROM BOREHOLE USW UZ-6S SAMPLE COLLECTION. DATA INCLUDES RECORDS OF COLLECTIONS BY DISTILLATION, COMPRESSION, CENTRIFUGATION.	10/10/84-09/30/91	RECORD METHOD (TRIAxIAL OR UNIAxIAL COMPRESSION, CENTRIFUGATION OR VACUUM DISTILLATION) USED TO OBTAIN WATER SAMPLES FOR ANALYSES.	A N P
	ACQN/DEVL LOCATION : USW UZ 6-S			
GS920508312272.006	RAW DATA FROM BOREHOLE UZP5 SAMPLE COLLECTION. DATA INCLUDES RECORDS OF COLLECTIONS BY DISTILLATION, COMPRESSION, CENTRIFUGATION.	05/15/90-09/30/91	DOCUMENT METHOD (COMPRESSION, DISTILLATION, OR CENTRIFUGATION) USED TO OBTAIN WATER SAMPLES FOR ANALYSES.	A N P
	ACQN/DEVL LOCATION : UZP5, ALTS, AZ			
GS920508312272.008	WEIGHT & MOISTURE CONTENT DATA FROM PACKAGING MATERIALS CORE SEALING TESTS. TESTS UTILIZE SAMPLES FROM PROTOTYPE BOREHOLE UZP5, UE-25 UZ #4, AND G-TUNNEL.	10/10/84-09/30/91	MEASUREMENT OF WEIGHT AND MOISTURE CONTENT OF SAMPLES. SAMPLES WERE SUBJECTED TO SEALING AND TEMPERATURE CONTROL IN TRANSPORT.	A N P
	ACQN/DEVL LOCATION : G-TUNNEL UE-25 UZ #4 UZP5, ALTS, AZ			
GS920508312272.012	DATA FROM CHEMICAL ANALYSES OF WATER SAMPLES COLLECTED BY DISTILLATION, COMPRESSION, CENTRIFUGATION FROM BOREHOLE USW UZ-6S CORE.	10/10/84-09/30/91	CHEMICAL ANALYSES OF WATER SAMPLES.	A N P
	ACQN/DEVL LOCATION : HUFFMAN LABS, DENVER NWQL, USGS DENVER ROCKY MOUNTAIN ANALYTICAL LABS, DENVER			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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			
GS930508312272.001	RADIOCARBON DATES V, BY I.C. YANG. RESULTS OF MEASUREMENTS OF 172 RADIOCARBON SAMPLES MADE BETWEEN JANUARY, 1983, AND DECEMBER, 1985.	01/01/88-07/11/88	RADIOCARBON DATES MEASURED AT ISOTOPE LABORATORY OF USGS AND CALCULATED RELATIVE TO PDB LIMESTONE STANDARD (CRAIG, H., 1957, ISOTOPIC STANDARDS FOR CARBON AND OXYGEN FACTORS FOR MASS-SPECTROMETRIC ANALYSIS OF CARBON DIOXIDE: GEOCHIM ET COSMOCHIM ACTA, V. 12). TOTAL ALKALINITY: CARBONATE VALUES DETERMINED USING TECHNIQUE OF BROWN, E., AND OTHERS, 1976. USGS TECHNIQUES OF WATER-RESOURCES INVESTIGATION: BOOK 5, CHAP. A1.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930608312272.002	PERMEABILITY AND PORE-FLUID CHEMISTRY OF THE BULLFROG TUFF IN A TEMPERATURE GRADIENT: SUMMARY OF RESULTS BY J. BYERLEE, C. MORROW, AND D. MOORE.	01/01/82-01/01/83	VARIATIONS IN PERMEABILITY WERE DETERMINED FROM MEASURED CHANGES IN THE MASS FLOW RATE OVER A CONSTANT PORE-PRESSURE DIFFERENTIAL. PORE-FLUID CHEMISTRY ANALYSES INCLUDE: SILICA BY STANDARD SPECTROPHOTOMETRIC METHODS, CATIONS BY ATOMIC ABSORPTION, TOTAL DISSOLVED INORGANIC CARBON BY CARBON ANALYZER, ANIONS BY ION CHROMATOGRAPHY, DISSOLVED SPECIES USING SOLMNEQ PROGRAM (KHARAKA ET AL, 1973). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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*GS930708312272.004	ROCK-WATER INTERACTION IN ASH-FLOW TUFFS (YUCCA MOUNTAIN, NEVADA, U.S.A.) -- THE RECORD FROM URANIUM STUDIES, BY ROBERT A ZIELINSKI, CHARLES A. BUSH, RICHARD W. SPENGLER, AND BARNEY J. SZABO	01/01/85-01/01/86	CRUSHED CORE SAMPLES ANALYZED FOR TH, K, AND RADIUM- EQUIVALENT URANIUM BY GAMMA RAY SPECTROMETRY ( BUSH, 1966, 1967, AND 1981). SPLITS OF EACH SAMPLE ANALYZED FOR U AND TH DETERMINATION BY DELAYED NEUTRON TECHNIQUE (MILLARD AND KEATON, 1982, PRECISION OF U AND TH DETERMINATION BY DELAYED NEUTRON COUNTING) AND FOR MAJOR ELEMENTS BY XRF (TAGGART AND OTHERS, 1981, USGS PROFESSIONAL PAPER 1250). DISTRIBUTION IN THIN SECTION BY FISSION-TRACK METHOD. LEACHATES WERE ANALYZED BY OPTICAL EMISSION SPECTROMETRY. ISOTOPIC COMPOSITIONS OF U AND TH IN OPAL AND CALCITE BY RADIO-ISOTOPE DILUTION, ALPHA SPECTROMETRIC TECHNIQUE (ROSKOLT, 1980, USGS OFR 80-1087). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
*GS930708312272.006	PERMEABILITY AND FLUID CHEMISTRY STUDIES OF THE TOPOPAH SPRING MEMBER OF THE PAINTERUSH TUFF, NEVADA TEST SITE: PART II, BY D.E. MOORE, C.A. MORROW, AND J.D. BYERLEE.	01/01/83-01/01/84	THREE EXPERIMENTS WERE PERFORMED TO TEST THE EFFECT OF PORE PRESSURE, SAMPLE ORIENTATION, AND FLOW DIRECTION ON PERMEABILITY AND PORE-FLUID CHEMISTRY. VARIATIONS IN PERMEABILITY WITH TIME DETERMINED FROM MEASURED CHANGES IN MASS FLOW RATE WHILE PORE PRESSURE GRADIENT HELD CONSTANT. CALCULATION PROCEDURES DESCRIBED IN MORROW, ET.AL. (1984) AND MOORE, ET.AL. (1984). SAMPLE FLUIDS COLLECTED DURING TESTING WERE ANALYZED USING TECHNIQUES DESCRIBED IN MOORE (OP.CIT.) AND "SOLMNEQ" PROGRAM (KHARAKA AND BARNES, 1973). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				

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Activity - 8.3.1.2.2.8.1				
GS910908312281.001	PERMEABILITY OF A FRACTURE WITH CYLINDRICAL ASPERITIES BY SUNIL KUMAR, ROBERT ZIMMERMAN AND GUDMUNDUR BODVARSSON.	10/01/90-12/31/90	DEVELOPMENT OF MATHEMATICAL EXPRESSIONS	D N C
ACQN/DEVL LOCATION : LAWRENCE BERKELEY LABS, BERKELEY				
GS911008312281.002	SCIENTIFIC REPORT ENTITLED "FRACTAL CHARACTERISTICS OF FRACTURE ROUGHNESS AND APERTURE DATA", BY SUNIL KUMAR, GUDMUNDUR BODVARSSON, AND JIM BOERNGE	03/01/89-09/30/89	A COMPLETE DESCRIPTION OF THE HOT COLLECTION METHOD IS OUTLINED IN THE PAPER ENTITLED "ASSESSMENT OF FRACTURE-SAMPLING TECHNIQUES FOR LABORATORY TESTS ON CORE", BY G.R. SEVERSON AND J.M. BOERNGE. THIS PACKAGE IS LISTED UNDER TRANSMITTAL NO. HIP-91-0192 IN THE LOCAL RECORDS CENTER.	A N C
ACQN/DEVL LOCATION : G-TUNNEL, NEVADA TEST SITE				
GS910708312281.001	PRELIMINARY NUMERICAL SIMULATIONS OF GROUNDWATER FLOW IN THE UNSATURATED ZONE, YUCCA MOUNTAIN, NEVADA, BY J. RULON, G.S. BODVARSSON, AND P. MONTAZER.	01/01/85-04/22/86	A SERIES OF STEADY-STATE, TWO-DIMENSIONAL NUMERICAL SIMULATIONS OF LIQUID WATER FLOW WERE PERFORMED USING "TOUGH" (TRANSPORT OF UNSATURATED GROUNDWATER AND HEAT, PRUESS, 1983). SIMULATIONS INCLUDE: 1) MATRIX-FLOW 2) FRACTURE-FLOW 3) FRACTURE-MATRIX FLOW. MODEL USES THE INTEGRAL FINITE-DIFFERENCE METHOD (EDWARDS, 1969, NARASIMHAN AND WITHERSPOON, 1976). SIMULTANEOUS SOLUTIONS USING NEWTON-RAPHSON ITERATION. LINEARIZED EQUATIONS SOLVED USING DIRECT MATRIX SOLVER (DUFF, 1977). WATER PROPERTIES CALCULATED USING INTERNATIONAL FORMULATION COMMITTEE EQUATIONS (1967). AIR PROPERTIES CALCULATED USING IDEAL GAS AND HENRY'S LAW. LIQUID WATER FLUX USING DARCY'S LAW. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : LBL, BERKELEY, CA				



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.J.1.2.2.9.1				
GS930408312132.010	HYDROLOGY, BY W.E. WILSON -- FY 1982 REPORT	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM HYDRAULIC TESTS AND PALEOHYDROLOGIC STUDIES INCLUDING POTENTIOMETRIC LEVELS, TRANSMISSIVITY, WATER CHEMISTRY, AND CARBON-14 DATING.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO.				
GS930408312132.011	HYDROLOGY, BY W.E. WILSON -- FY 1980 REPORT	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL AND HYDROGEOLOGICAL STUDIES INCLUDING GROUNDWATER CHEMISTRY, MINERALOGY, X-RAY DIFFRACTION, TEMPERATURE AND CLIMATE.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO.				
GS930408312291.001	CONCEPTUAL HYDROLOGIC MODEL OF FLOW IN THE UNSATURATED ZONE, YUCCA MOUNTAIN AREA, BY P. MONTAZER AND W.E. WILSON.	01/01/84-12/04/84	CONCEPTUAL MODEL FOR UNSATURATED ZONE DEVELOPMENT BASED ON 1) HYDROGEOLOGIC FRAMEWORK, 2) APPLICATION OF PRINCIPLES OF UNSATURATED FLOW THROUGH FRACTURED ROCKS, RETARDATION OF FLOW BY CAPILLARY BARRIERS, LATER FLOW AND VAPOR FLOW, AND 3) PRELIMINARY DATA OBTAINED IN FIELD INVESTIGATIONS. ANALYSIS OF GEOTHERMAL HEAT FLUX IS USED TO INDIRECTLY ESTIMATE RECHARGE; TECHNIQUE OF SASS, AND OTHERS, 1980, USGS OFR 80-826, AND SASS AND LACHENBRUCH, A.H., 1982, USGS OFR 82-973. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
930508312132.012	HYDROLOGY, BY D.I. LEAP -- FY 1979 REPORT  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM PALEOHYDROLOGICAL, MINERALOGICAL, AND GEOPHYSICAL STUDIES.	D N P
930508312132.015	HYDROLOGY, BY W.E. WILSON -- FY 1981 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL, HYDROLOGICAL, AND GEOPHYSICAL STUDIES INCLUDING STRATIGRAPHY, PALEOHYDROLOGY, WATER CHEMISTRY, RADIONUCLIDE TRANSPORT AND CLIMATE.	D N P
930608312291.002	U.S. GEOLOGICAL SURVEY IN YUCCA MOUNTAIN: GEOSCIENTISTS HELP MAKE 10, 000-YEAR DECISION, BY W.W. DUDLEY, JR. -- HYDROGEOLOGICAL CHARACTERIZATION OF YUCCA MOUNTAIN AREA  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-10/29/88	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED MATERIAL.	D N P
930708312291.003	MULTIDISCIPLINARY HYDROLOGIC INVESTIGATIONS AT YUCCA MOUNTAIN, NEVADA, BY WILLIAM W. DUDLEY, JR.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/89-02/05/90	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED MATERIAL.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930808312291.004	HYDROGEOLOGY OF THE UNSATURATED ZONE, YUCCA MOUNTAIN, NEVADA, BY PARVIZ MONTAZER AND WILLIAM E. WILSON	01/01/85-10/04/85	HYDROLOGIC CONCEPTUALIZATION DEVELOPED USING ASSUMPTIONS, SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED MATERIAL.	D N F
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.2.2.9.3				
GS930208312293.001	GEOMETRICAL DATA FOR THE A-A' CROSS SECTION FROM THE LBL/USGS SITE-SCALE MODEL OF YUCCA MOUNTAIN. COLOR FIGURE OF GEOMETRY AND HYDROGEOLOGICAL UNIT IN CROSS SECTION A-A'. A TABLE WITH PROPERTY DATA CURRENTLY USED IN THE SITE-SCALE MODEL.	01/01/90-01/01/93	THE GEOMETRIC DATA WERE PRODUCED BY A GRID D N C GENERATOR.	
ACQN/DEVL LOCATION : LBL, BERKELEY, CA				
GS930308312293.002	STUDIES OF THE ROLE OF FAULT ZONES ON FLUID FLOW USING THE SITE-SCALE NUMERICAL MODEL OF YUCCA MOUNTAIN, BY C.S. WITTWER, G. CHEN AND G.S. BODVARSSON.	10/01/92-01/25/93	COMPUTER CODE TOUGH2 (K. PRUESS, TOUGH2 - A GENERAL-PURPOSE NUMERICAL SIMULATOR FOR MULTIPHASE FLUID AND HEAT FLOW, LBL-29400 (1990)) PRODUCED 2-D SIMULATIONS FROM GEOMETRICAL AND MECHANICAL INPUT DATA. OTHER METHODS USED INCLUDE: BROOKS & COPEY (1966); M.TH. VAN GENUCHTEN, A CLOSED-FORM EQUATION FOR PREDICTING THE HYDRAULIC CONDUCTIVITY OF UNSATURATED SOILS, (1980); E.A. KLAVETTER AND R.R. PETERS, ESTIMATION OF HYDROLOGIC PROPERTIES OF AN UNSATURATED FRACTURED ROCK MASS, SAND84-2642; SCALING RELATIONSHIP PROPOSED IN J.S.Y. WANG, PROC. 3RD IHLRMMC, (1992). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N F
ACQN/DEVL LOCATION : LAWRENCE BERKELEY LABS, BERKELEY, CA				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.3.1.2				
SS900908312312.001	GEOHYDROLOGIC AND DRILL-HOLE DATA FROM TEST WELL USW H-3, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY WILLIAM THORDARSON, F.E. RUSH, R.W. SPENGLER, AND S.J. WADDELL	01/01/83-02/28/84	USGS STANDARD COLLECTION METHODS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
SS900908312312.002	GEOHYDROLOGIC AND DRILL HOLE DATA FOR TEST WELL USW H-4, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY M.S. WHITFIELD, JR., WM. THORDARSON AND E.P. ESSHOM.	01/01/83-05/10/84	COMPILATION OF DATA ON DRILLING LOGS, SIDEWALL CORE SAMPLES, WATER-LEVEL MONITORING, PUMPING TESTS, INJECTIONS TESTS, RADIOACTIVE-TRACER BOREHOLE FLOW SURVEY, AND WATER CHEMISTRY.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
SS910208312312.003	RAW DATA FROM THE CONTINUOUS AND PERIODIC WATER-LEVEL MEASUREMENT NETWORKS, 1986-1990. THE RAW DATA IS IN THE FORM OF LOGBOOKS AND MAGNETIC CASSETTE TAPES.	07/21/86-01/04/91	COLLECTION PROCESSES DETAILED IN TECHNICAL PROCEDURES HP-25,R1, METHOD FOR MEASURING WATER LEVEL USING A PORTABLE MULTICONDUCTOR; HP-26,R1 METHOD FOR CALIBRATING WATER-LEVEL MEASUREMENT EQUIPMENT USING THE REFERENCE STEEL TAPES; HP-60,R1, METHOD FOR MONITORING WATER-LEVEL CHANGES USING PRESSURE TRANSDUCERS; HP-71,R0, METHOD FOR MONITORING WATER-LEVEL CHANGES USING A CAMPBELL SCIENTIFIC 21X MICROLOGGER; HP-75,R1, METHOD FOR MEASURING WATER LEVELS IN WELLS USING REELED (2600-FOOT AND 2800-FOOT) STEEL TAPES; AND HP-93,R0, METHOD FOR PROCESSING ELECTRONIC DATA FROM CAMPBELL SCIENTIFIC 21X MICROLOGGER INTO WATER LEVELS.	A N P
ACQN/DEVL LOCATION : J-11 J-12 WATER WELL TEST WELL B UE-25 WT #12 UE-25 WT #13 UE-25 WT #14				

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	UE-25 WT #15		
	UE-25 WT #16		
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	UE-25 WT #18		
	UE-25 WT #3		
	UE-25 WT #4		
	UE-25 WT #6		
	UE-25B #1		
	UE-25C #1		
	UE-25C #2		
	UE-25C #3		
	UE-25P #1		
	UE-29A #1		
	UE-29A #2		
	UE-5N		
	USW G-3		
	USW G-4		
	USW H-1		
	USW H-3		
	USW H-4		
	USW H-5		
	USW H-6		
	USW VH-1		
	USW WT-1		
	USW WT-10		
	USW WT-11		
	USW WT-2		
	USW WT-7		
	WATER WELL J-13		
GS910408312312.004	1991 WATER LEVEL NETWORK LOGBOOK. RECORDS ALL DATA ACQUIRED FROM MANUAL WATER-LEVEL MEASUREMENTS TAKEN AT WELL SITES ON OR NEAR YUCCA MOUNTAIN, NEVADA. THIS IS THE FIRST QUARTER DATA ONLY.	01/01/91-04/02/91	PLEASE REFER TO THE FOLLOWING TECHNICAL PROCEDURES FOR DETAILS CONCERNING OUR COLLECTION PROCESSES: HP-75, REVISION 1, HP-25, REVISION 1, HP-60, REVISION 1.
	ACQN/DEVL LOCATION : J-11 J-12 J-13 UE25 UZN-2 UE29A-1 UE29A-2		A Y P

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	USW G-4 USW H-1 USW H-3 USW WT-1 USW WT-10 USW WT-12 USW WT-14 USW WT-15 USW WT-17 USW WT-18 USW WT-2 USW WT-3 USW WT-4 USW WT-5 USW WT-6 USW WT-7 UZN 2-9 VH-1			
05910508312312.005	RAW MANUAL WATER-LEVEL MEASUREMENT DATA FROM THE PERIODIC WATER-LEVEL MEASUREMENT NETWORK.	05/07/89-12/31/89	MANUAL WATER LEVEL MEASUREMENTS MADE FOLLOWING PROCEDURES HP-25,R1, METHOD FOR MEASURING WATER-LEVEL USING A PORTABLE MULTICONDUCTOR CABLE UNIT, AND HP-75,R0, METHOD FOR MEASURING WATER-LEVELS IN WELLS USING REELED (2600-FOOT AND 2800 FOOT) STEEL TAPES.	A Y P
	ACQN/DEVL LOCATION : UE-25 WT #12 UE-25 WT #14 UE-25 WT #15 UE-25 WT #17 UE-25 WT #3 UE-25 WT #4 USW VH-1 USW WT-1 USW WT-10 USW WT-7 WATER WELL J-13			

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS910508312312.0.6	RAW DATA COLLECTED FROM THE CONTINUOUS WATER-LEVEL MONITORING NETWORK 1985-1988. DATA IN THE FORM OF LOGBOOKS CONTAINING RAW DATA, CASSETTE TAPES CONTAINING RAW TRANSDUCER OUTPUT DATA, AND SUPPORTING DATA.	01/01/85-12/31/88	TRANSDUCER AND RELATED DATA COLLECTED USING THE PROCEDURES OUTLINED IN HP-60, R0, METHOD FOR MONITORING WATER LEVEL CHANGES USING PRESSURE TRANSDUCERS; AND HP-71, R0, METHOD FOR MONITORING WATER-LEVEL CHANGES USING A CAMPBELL SCIENTIFIC 21X MICROLOGGER.	A N P
	ACQN/DEVL LOCATION : UE-25 WT #13 UE-25 WT #16 UE-25 WT #6 UE-25B #1 UE-25C #2 UE-25C #3 UE-25P #1 USW G-3 USW H-1 USW H-3 USW H-4 USW H-5 USW H-6 USW WT-11 USW WT-2			
GS910708312312.007	1991 WATER-LEVEL NETWORK LOGBOOK. RECORDS ALL DATA ACQUIRED FROM MANUAL WATER-LEVEL MEASUREMENTS TAKEN AT WELL SITES ON OR NEAR YUCCA MOUNTAIN, NEVADA. THIS IS SECOND QUARTER DATA ONLY.	03/29/91-06/26/91	PLEASE REFER TO THE FOLLOWING TECHNICAL PROCEDURES FOR DETAILS CONCERNING OUR COLLECTION PROCESS - HP-75, R1, HP-25, R1, HP-60, R1.	A Y P
	ACQN/DEVL LOCATION : UE25B-1 UE25C-2 UE25C-3 UE25P-1 UE25WT-13 UE25WT-16 UE25WT-6 USW G-3 USW H-1 USW H-3 USW H-4			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	USW H-5 USW H-6 USW WT-11 USW WT-2			
0011006312312.008	PERIODIC WATER-LEVEL MEASUREMENTS TAKEN IN THE YUCCA MOUNTAIN AREA, NEVADA, 1991. THIRD QUARTER ONLY.	07/02/91-09/30/91	MANUAL WATER-LEVEL MEASUREMENTS MADE AT VARIOUS BOREHOLES IN THE YUCCA MOUNTAIN AREA. MEASUREMENTS MADE USING STEEL TAPES OR MULTICONDUCTOR CABLE UNITS.	A Y P
	ACQN/DEVL LOCATION : J-11 J-12 J-13 UE25B#1 USW H-3 WT-1 WT-10 WT-12 WT-13 WT-15 WT-17 WT-18 WT-7			
0090108312312.001	SCIENTIFIC NOTEBOOK. WATER LEVEL AND BAROMETRIC PRESSURE DATA COLLECTED USING SENSORS CONNECTED TO DATA COLLECTION PLATFORMS (HANDAR MODEL S 70 A)	06/01/90-09/17/91	WATER LEVEL, BAROMETRIC PRESSURE AND RELATED DATA COLLECTED BY VARIOUS SENSOR, AND STORED AND TRANSMITTED BY THE HANDAR DATA COLLECTION PLATFORM. REFER TO HP-196T, R0 FOR A DETAILED DESCRIPTION OF PROCEDURE. REFER ALSO TO SN-004.	A Y P
	ACQN/DEVL LOCATION : UE 25 WT-6 USW G-3 USW H-4 USW H-5 USW H-6 USW WT-11			



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS4/0208312312.003	1991 PERIODIC WATER-LEVEL MEASUREMENTS TAKEN AT VARIOUS BOREHOLES IN THE YUCCA MOUNTAIN AREA. FOURTH QUARTER OF 1991 DATA ONLY.	09/30/91-12/31/91	HP 25, R1; HP-26, R1; AND HP-75, R1. MANUAL WATER-LEVEL MEASUREMENTS TAKEN WITH EITHER STEEL TAPES OR A MULTICONDUCTOR CABLE UNIT.	A Y P
	ACQN/DEVL LOCATION :			
	J-11			
	J-12			
	J-13			
	TEST WELL B			
	UE-5N			
	UE25 WT-12			
	UE25 WT-14			
	UE25 WT-15			
	UE25 WT-17			
	UE25 WT-18			
	UE25 WT-3			
	UE25 WT-4			
	UE25P #1			
	USW H-1, TUBE 2			
	USW H-3			
	USW H-5			
	USW WT-1			
	USW WT-10			
	USW WT-7			
GS4/0208312312.004	1991 DATA COLLECTION, CONTINUOUS METHOD. WATER-LEVEL AND RELATED DATA COLLECTED IN THE VICINITY OF YUCCA MOUNTAIN.	01/01/91-01/24/92	HP-25, R1; HP-26, R1; HP-60, R1; HP-71, R0; HP-75, R1; AND HP-196T, R0.	A Y P
	ACQN/DEVL LOCATION :			
	UE25 WT #13			
	UE25 WT #16			
	UE25 WT #6			
	UE25B #1			
	UE25P #1			
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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	USW WT-2			
GS920208312312.C05	1991 WATER-LEVEL DATA IN THE FOLLOWING FORMATS: ANALOG CHART RECORDER, RAW MILLIVOLT VALUES FROM TRANSDUCERS (GRAPHICAL AND NUMERICAL FORM), REGRESSION ANALYSES OF TRANSDUCER CALIBRATIONS (LOGBOOK PAGES ATTACHED), COPIES OF LOGBOOK PAGES CONTAINING DATA OBTAINED FROM MANUAL WATER-LEVEL MEASUREMENTS TAKEN WITH STEEL TAPES AND/OR MULTICONDUCTOR CABLES.	12/12/91-12/19/91	WATER-LEVEL DATA COLLECTED IN THE FOLLOWING WAYS: TRANSDUCER/DATALOGGER SYSTEM (HP-60, HP-71). TRANSDUCER/DCP SYSTEM (HP-196T). STEEL TAPES (HP-75) .MULTICONDUCTOR CABLE UNIT (HP-25). ANALOG CHART RECORDER (HP-60). CALIBRATION REGRESSIONS DONE USING STANDARD STATISTICAL EQUATIONS.	D Y P
	ACQN/DEVL LOCATION : J-11 J-12 WATER WELL TEST WELL B UE-20 WT #13 UE-25 WT #16 UE-25 WT #18 UE-25 WT #6 UE-25B #1 UE-25P #1 UE-5N USW G-3 USW H-1 USW H-3 USW H-4 USW H-5 USW H-6 USW WT-11 USW WT-2 WATER WELL J-13			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920208312312.006	<p>WATER LEVELS FROM CONTINUOUSLY MONITORED WELLS IN THE YUCCA MOUNTAIN AREA, NEVADA. DATA CONSIST OF ORIGINAL DATA IN LOGBOOKS, DEVELOPED DATA, AND SUPPORTING FILES. THIS DATA PACKAGE SUPPORTS THE "WATER LEVELS IN CONTINUOUSLY MONITORED WELLS IN THE YUCCA MOUNTAIN AREA, NEVADA, 1985-88".</p> <p>ACQN/DEVL LOCATION : UE-25 WT #6  UE25 B-1  UE25 C-2  UE25 C-3  UE25 P-1  UE25 WT-13  UE25 WT-16  USW G-3  USW H-1  USW H-3  USW H-4  USW H-5  USW H-6  USW WT-11  USW WT-2</p>	01/01/85-12/31/88	REFER TO THE TECHNICAL PROCEDURES LISTED BELOW FOR DETAILS CONCERNING DATA COLLECTION METHODS. HP-25, HP-26, HP-60, HP-71, HP-75, HP-93 (USE THE REVISION THAT WAS EFFECTIVE AT THAT TIME).	A Y P
GS920408312312.007	<p>MANUAL WATER-LEVEL MEASUREMENT DATA COLLECTED AT WELLS ON OR NEAR YUCCA MOUNTAIN, NEVADA. FROM PERIODIC LOGBOOK 1992.</p> <p>ACQN/DEVL LOCATION : J-11  J-12  J-13  TEST WELL B  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</p>	01/02/92-04/06/92	USGS HP-26, R1, USGS HP-75, R1 AND USGS HP-25, R1. MEASUREMENTS MADE USING STEEL TAPE.	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	UE-25 WT #3 UE-25 WT #4 UE-25 WT #6 UE-25B #1 UE-25C #1 UE-25C #2 UE-25C #3 UE-25P #1 UE-5N USW G-3 USW H-1 USW H-3 USW H-4 USW H-5 USW H-6 USW VH-1 USW WT-1 USW WT-10 USW WT-11 USW WT-2 USW WT-7			
45470508312312.000	SELECTED WATER LEVEL DATA FROM WELLS IN THE YUCCA MOUNTAIN AREA. WELLS J-11, J-12, J-13, VH-1, UE-25 WT#13, UE-25 WT#15, UE-25P#1 FOR THE FIRST QUARTER, 1992.  ACQN/DEVL LOCATION : J-11 J-12 J-13 UE-25 WT#13 UE-25 WT#15 UE-25P#1 USW VH-1	01/02/92-03/31/92	HP-60, R1 AND HP-75, R1. CALIBRATION REGRESSIONS DONE USING STANDARD STATISTICAL CALCULATIONS. RAW WATER-LEVEL MEASUREMENTS CONVERTED TO DEPTH-TO-WATER BELOW LAND SURFACE USING WORKSHEETS. WORKSHEETS ARE SELF-EXPLANATORY.	D Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920608312312.009	WATER LEVELS IN PERIODICALLY MEASURED WELLS IN THE YUCCA MOUNTAIN AREA, NEVADA, 1988, BY JAMES M. GEMMELL	01/01/89-05/18/90	RAW WATER-LEVEL MEASUREMENTS CORRECTED FOR D N P STRETCH, THERMAL EXPANSION, PROBE LENGTH, BOREHOLE DEVIATION AND ALTITUDE OF A REFERENCE POINT, AS NECESSARY, AND ALTITUDE OF THE WATER LEVEL ABOVE SEA LEVEL IS CALCULATED.	
ACQN/DEVL LOCATION : USGS, DENVER				
GS920608312312.010	MANUAL WATER-LEVEL MEASUREMENTS DATA COLLECTED FROM WELLS IN THE YUCCA MOUNTAIN AREA, 1990.	07/02/90-02/21/91	SELECTION OF MANUAL WATER-LEVEL MEASUREMENTS. DATA WERE COLLECTED USING REELED STEEL TAPES (HP-75) AND MULTICONDUCTOR CABLE UNITS (HP-25)	D Y P
ACQN/DEVL LOCATION : J-11				
J-12 WATER WELL				
TEST WELL B				
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 #3				
UE-25 WT #4				
UE-25 WT #6				
UE-25B #1				
UE-25C #1				
UE-25C #2				
UE-25C #3				
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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
	USW WT-10 USW WT-11 USW WT-2 USW WT-7 WATER WELL J-13		
GS920608312312.011	PRECISION AND ACCURACY OF MANUAL WATER-LEVEL MEASUREMENTS TAKEN IN THE YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, 1988-90, BY M.S. BOUCHER	04/25/90-06/21/92	PRECISION DATA WAS CALCULATED FROM MANUAL WATER-LEVEL MEASUREMENTS TAKEN WITH STEEL TAPES OR MULTICONDUCTOR CABLES UNITS. ACCURACY DATA DERIVED FROM STEEL TAPE AND MULTICONDUCTOR CABLE UNIT CALIBRATION DATA. SEE HP-25,R1, HP-26,R0 AND R1, HP-75,R0 AND R1.
	ACQN/DEVL LOCATION : USGS, DENVER		
GS920708312312.012	MANUAL WATER LEVEL MEASUREMENT DATA COLLECTED IN THE YUCCA MOUNTAIN AREA, NEVADA, 1988. RAW DATA IN THE FORM OF LOGBOOKS.	01/01/88-12/31/88	WATER-LEVEL DATA COLLECTED USING HP-75,R1, A N P METHOD FOR MEASURING WATER LEVELS IN WELLS USING REELED (2600 FT AND 2800 FT) STEEL TAPES AND HP-25,R0 AND R1, METHOD FOR MEASURING WATER LEVEL USING A PORTABLE MULTICONDUCTOR CABLE.
	ACQN/DEVL LOCATION : UE-25 WT #12 UE-25 WT #14 UE-25 WT #15 UE-25 WT #17 UE-25 WT #4 USW WT-1 USW WT-10 USW WT-7 WATER WELL J-13		

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920708312312.013	DATA RESULTING FROM MANUAL WATER-LEVEL MEASUREMENTS TAKEN AT WELL SITES ON OR AROUND YUCCA MOUNTAIN, NEVADA, SECOND QUARTER, 1992	04/03/92-06/25/92	SEE TECHNICAL PROCEDURES HP-26,R1, METHOD FOR CALIBRATING WATER-LEVEL MEASUREMENT EQUIPMENT USING THE REFERENCE STEEL TAPE; HP-25,R1, METHOD FOR MEASURING WATER LEVEL USING A PORTABLE MULTICONDUCTOR; HP-75,R1, DIATOM ENUMERATION STUDIES.	A Y P
ACQN/DEVL LOCATION : JF-3				
TEST WELL B				
UE-25 B #1				
UE-25 C #1				
UE-25 C #2				
UE-25 C #3				
UE-25 P #1				
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 #3				
UE-25 WT #4				
UE-25 WT #6				
UE-29 A #1				
UE-29 A #2				
UE-29 UZN #91				
UE-5N				
USW G-3				
USW H-1				
USW H-3				
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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
	WELL VH-1		
GS920808312312.014	WATER-LEVEL DATA CONSISTING OF: LOGBOOK PAGES CONTAINING RAW DATA FROM MANUAL MEASUREMENTS, WATER-LEVEL DATA WORKSHEETS, CALIBRATION REGRESSIONS AND CORRESPONDING LOGBOOK PAGES. DATA FROM SPECIFIC WELLS FOR 2ND QUARTER, 1992.	04/01/92-06/30/92	CONVERSION OF RAW WATER-LEVEL DATA TO TRUE D Y P DEPTHS-TO-WATER AND THE CALIBRATION REGRESSIONS WERE COMPLETED USING STANDARD MATHEMATICAL EQUATIONS.
	ACQN/DEVL LOCATION : USGS, DENVER		
GS920808312312.015	TRANSDUCER CALIBRATION DATA FROM WELLS IN THE YUCCA MOUNTAIN AREA.	03/03/92-07/01/92	TRANSDUCER CALIBRATIONS PERFORMED ACCORDING TO THE GUIDELINES IN HP-60,R2, METHOD FOR MONITORING WATER-LEVEL CHANGES USING PRESSURE TRANSDUCERS AND PRESSURE TRANSMITTERS
	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		



## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920608312312.016	TRANSDUCER CALIBRATION REGRESSION EQUATIONS.	08/19/92-08/21/92	REGRESSION ANALYSES PERFORMED USING STANDARD STATISTICAL ANALYSES	D Y C
ACQN/DEVL LOCATION : USGS				
GS920908312312.017	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 C
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	
33921008312312.018	DATA RESULTING FROM MANUAL WATER-LEVEL MEASUREMENTS TAKEN @ WELLS SITES ON OR AROUND YUCCA MOUNTAIN, NEVADA -- THIRD QUARTER, 1992 OF THE PERIODIC NETWORK LOGBOOK.	06/29/92-09/29/92	TECHNICAL PROCEDURES HP-25,R1, METHOD FOR MEASURING WATER LEVEL USING A PORTABLE MULTICONDUCTOR; HP-26,R1, METHOD FOR CALIBRATING WATER-LEVEL MEASUREMENT EQUIPMENT USING THE REFERENCE STEEL TAPE; HP-61,R0, USE OF HAND-HELD STEEL TAPES (IN VERTICAL BOREHOLES); AND HP-75,R1, METHOD FOR MEASURING WATER LEVELS IN WELLS USING REELED (2600-FOOT AND 2800-FOOT) STEEL TAPES.	A Y P
ACQN/DEVL LOCATION : TEST WELL B				
UE-25 P #1				
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				
UE-29 A #1				
UE-29 A #2				
UE-29 UZN #91				
USW G-2				
USW G-3				
USW H-1				
USW H-5				
USW WT-1				
USW WT-10				
USW WT-7				
WELL J-11				
WELL J-12				
WELL J-13				
WELL VR-1				

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS921008312312.019	WATER-LEVEL MEASUREMENT WORKSHEETS AND CALIBRATION REGRESSION ANALYSES, SELECT WELLS FOR THIRD QUARTER, 1992.	06/29/92-09/29/92	CALIBRATION ANALYSES PERFORMED USING STANDARD STATISTICAL EQUATIONS. CONVERSION OF RAW WATER-LEVEL MEASUREMENTS TO DEPTHS-TO-WATER ABOVE SEA LEVEL PERFORMED USING STANDARD MATHEMATICAL TECHNIQUES.	D Y P
ACQN/DEVL LOCATION : USGS, DENVER				
GS921009312312.020	RAW WATER-LEVEL DATA FROM THE CONTINUOUS WATER-LEVEL MEASUREMENT NETWORK FOR 1989. RAW DATA CONSISTS OF LOGBOOKS AND CASSETTE TAPES WITH CSI 21X DATALOGGER OUTPUT.	01/01/89-12/31/89	SELECTION OF CONTINUOUS WATER-LEVEL DATA FOR 1989. DATA COLLECTED USING TRANSDUCER/DATALOGGER SYSTEMS, PROCEDURES HP-25,R1, HP-26,R1, HP-60,R2, HP-75,R1.	D N P
ACQN/DEVL LOCATION : UE-25 WT #13 UE-25 WT #16 UE-25 WT #3 UE-25 WT #6 UE-25B #1 UE-25C #2 UE-25C #3 UE-25P #1 USW G-3 USW H-1 USW H-3 USW H-4 USW H-5 USW H-6 USW WT-11 USW WT-2				

SITE CHARACTERIZATION PL: BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T O D U L I A O F L C I A T F T Y I I P E O E D N
45921008312312.021	WATER LEVELS IN CONTINUOUSLY MONITORED WELLS IN THE YUCCA MOUNTAIN AREA, NEVADA, 1989" BY D.H. LOBMEYER AND R.R. LUCKEY -- DEVELOPED DATA FROM THE CONTINUOUS WATER-LEVEL NETWORK, 1989.  ACQN/DEVL LOCATION : USGS, DENVER	01/01/90-10/07/92	RAW TRANSDUCER OUTPUT DATA CONVERTED TO WATER-LEVEL ALTITUDE ABOVE SEA LEVEL USING STANDARD STATISTICAL METHODS DESCRIBED IN THE REPORT.	D N P
45921008312312.022	LOGBOOK PAGES FROM UE-25P #1 LOGBOOK SHOWING CALIBRATION OF THE TRANSDUCER/DCP SYSTEM.  ACQN/DEVL LOCATION : UE-25P #1	09/02/92-09/24/92	HP-60,R2, METHOD FOR MONITORING WATER-LEVEL CHANGES USING PRESSURE TRANSDUCERS AND PRESSURE TRANSMITTERS.	A Y P
45921108312312.023	INFORMATION REGARDING THE USE OF DATA-COLLECTION PLATFORMS TO COLLECT WATER-LEVEL DATA IN LIEU OF USING 21K MICROLOGGERS. THE INFORMATION, AND EXAMPLES OF DATA, ARE KEPT IN SCIENTIFIC NOTEBOOK -0004 (HP-196T,R0).  ACQN/DEVL LOCATION : UE-25 WT #13 UE-25 WT #3 UE-25 WT #6 UE-25B #1 UE-25P #1 USW G-3 USW H-1 USW H-3 USW H-4 USW H-5 USW H-6 USW WT-11 USW WT-2	02/12/90-10/17/92	SEE TECHNICAL PROCEDURE HP-196T,R0, METHOD FOR COLLECTING WATER LEVEL DATA USING DATA COLLECTION PLATFORMS, WHICH WAS THE HYDROLOGIC PROCEDURE CONTROLLING THIS SCIENTIFIC NOTEBOOK.	A Y P

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## SITE CHARACTERIZATION PLAN : TELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
05930108312132.001	HYDROLOGY OF YUCCA MOUNTAIN AND VICINITY, NEVADA - CALIFORNIA: INVESTIGATIVE RESULTS THROUGH MID-1983, BY R.K. WADDELL, J.H. ROBISON, & R.K. BLANKENHAGEL.	01/01/84-08/20/84	COMPILATION OF HYDROLOGIC DATA COLLECTED AND ANALYZED THROUGH MID-1983 FOR INCLUSION IN THE SITE CHARACTERIZATION REPORT (SCR) FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS. DATA TYPES INCLUDE HYDROCHEMISTRY.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
05930108312312.001	WATER-LEVEL DATA RESULTING FROM MANUAL WATER-LEVEL MEASUREMENTS TAKEN AT WELL SITES ON OR AROUND YUCCA MOUNTAIN, NEVADA -- FOURTH QUARTER, 1992, OF THE PERIODIC NETWORK LOGBOOK.	10/14/92-12/29/92	THE DATA WERE COLLECTED USING REELED STEEL TAPES. SEE HP-61,R0, USE OF HAND-HELD STEEL TAPES (IN VERTICAL BOREHOLES); HP-75,R1, METHOD FOR MEASURING WATER LEVELS IN WELLS USING REELED (2600-FOOT AND 2800-FOOT) STEEL TAPES; HP-26,R1, METHOD FOR CALIBRATING WATER-LEVEL MEASUREMENT EQUIPMENT USING THE REFERENCE STEEL TAPE.	A Y P
ACQN/DEVL LOCATION : J-11				
J-12 WATER WELL				
TEST WELL B				
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 #3				
UE-25 WT #4				
UE-25 WT #6				
UE-25B #1				
UE-25P #1				
UE-29 UZN #91				
UE-29A #1				
UE-29A #2				
UE-5N				
USW G-3				
USW H-1				
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# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
	USW H-4 USW H-5 USW H-6 USW WT-1 USW WT-10 USW WT-11 USW WT-2 USW WT-7 WATER WELL J-13 WELL VH-1		
65930108312312.002	HYDROLOGIC RESPONSES TO EARTHQUAKES, JUNE 28-29, 1992, AT YUCCA MOUNTAIN, NEVADA, BY GRADY M. O'BRIEN AND PATRICK TUCCI. BASED ON DATA FROM USW WELLS H-3, H-5, AND H-6, AND FROM UE-25P #1.  ACQN/DEVL LOCATION : USGS, DENVER, CO	07/01/92-12/18/92	DATA DEVELOPED USING STANDARD MATHEMATICAL D Y P TECHNIQUES.
65930108312312.003	"EARTHQUAKE-INDUCED WATER-LEVEL FLUCTUATIONS AT YUCCA MOUNTAIN, NEVADA, JUNE, 1992" BY G.M. O'BRIEN. BASED ON DATA FROM WELLS USW H-5, USW H-6, USW H-3, AND UE-25 P #1.  ACQN/DEVL LOCATION : USGS, DENVER, CO	07/01/92-10/21/92	DATA DEVELOPED USING STANDARD MATHEMATICAL D Y P TECHNIQUES.
65930208312312.004	1992 CONTINUOUS NETWORK WATER-LEVEL DATA. DATA IN THE FORM OF LOGBOOKS, STRIPCHARTS, AND ELECTRONIC DATA (AS STORED ON THE NWIS/ADAPS SYSTEM).  ACQN/DEVL LOCATION : UE-25 WT #13 UE-25 WT #16 UE-25 WT #3	01/01/92-12/31/92	WATER-LEVEL AND RELATED DATA COLLECTED USING TRANSDUCERS/21X SYSTEMS OR TRANSDUCER/DCP SYSTEMS. REFERENCE HP-196, R1, METHOD FOR COLLECTING WATER LEVEL DATA USING DATA COLLECTION PLATFORMS; HP-60, P2 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.

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	UE-25 WT #6 UE-25B #1 UE-25P #1 USW G-3 USW H-1 USW H-3 USW H-4 USW H-5 USW H-6 USW WT-11 USW WT-2			
SS930308312312.005	GROUNDWATER LEVEL DATA AND PRELIMINARY POTENTIOMETRIC SURFACE MAPS, YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NEVADA, BY J.H. ROBISON.	01/01/84-12/31/84	COMPILATION OF WATER LEVEL MEASUREMENT DATA OBTAINED BY THE USGS USING CALIBRATED STEEL CABLES WITH ELECTRICAL OR MECHANICAL WATER-LEVEL SENSORS OR USING PRESSURE TRANSDUCERS. POTENTIOMETRIC SURFACE MAPS PRODUCED BY STANDARD USGS CONTOURING MAPPING METHODS.	D N F
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
SS930308312312.006	WATER-LEVEL ALTITUDE DATA FOR WELLS UE-25P #1 AND USW H-3.	07/01/92-12/18/92	WATER-LEVEL ALTITUDES CALCULATED USING THE D Y P RAW CALIBRATION DATA, MANUAL WATER-LEVEL MEASUREMENT DATA AND TRANSDUCER OUTPUT DATA. CALCULATIONS PERFORMED USING STANDARD STATISTICAL EQUATIONS.	
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
JS920308312312.007	CALIBRATION REGRESSION DATA FOR CALIBRATIONS PERFORMED AT WELL USW H-5 ON 7/7/92 AND AT WELL USW H-6 ON 5/6/92 AND 4/30/92  ACQN/DEVL LOCATION : USGS, DENVER, CO	07/01/92-12/18/92	CALIBRATION DATA REGRESSIONS PERFORMED USING STANDARD REGRESSION TECHNIQUES.	D Y P
JS930308312312.008	WATER LEVELS IN CONTINUOUSLY MONITORED WELLS IN THE YUCCA MOUNTAIN AREA, NEVADA, 1985-88, BY R. LUCKEY, D. LOBMEYER, AND D. BURKHARDT  ACQN/DEVL LOCATION : USGS, DENVER	01/01/89-05/06/91	RAW TRANSDUCER OUTPUT DATA CONVERTED TO WATER-LEVEL ALTITUDE ABOVE SEA LEVEL USING STANDARD STATISTICAL METHODS OUTLINED IN THE REPORT.	D N P
JS930308312312.009	"WATER LEVELS IN PERIODICALLY MEASURED WELLS IN THE YUCCA MOUNTAIN AREA, NEVADA, 1989" BY G.M. O'BRIEN  ACQN/DEVL LOCATION : USGS, DENVER	01/01/90-05/08/91	RAW WATER LEVEL MEASUREMENTS CORRECTED FOR STRETCH, THERMAL EXPANSION, AND BOREHOLE DEVIATION, AND ALTITUDE OF THE WATER TABLE ABOVE SEA LEVEL CALCULATED.	D N P
JS930308312312.011	RAW MANUAL WATER-LEVEL MEASUREMENT DATA FROM THE PERIODIC MEASUREMENT NETWORK.  ACQN/DEVL LOCATION : UE-25 WT #12 UE-25 WT #14 UE-25 WT #15 UE-25 WT #17 UE-25 WT #3 UE-25 WT #4 USW VH-1 USW WT-1 USW WT-10 USW WT-7 WATER WELL J-13	01/01/89-05/06/89	MANUAL WATER-LEVEL MEASUREMENTS ARE MADE FOLLOWING THE PROCEDURES OUTLINED IN HP-25,R1, METHOD FOR MEASURING WATER-LEVEL USING A PORTABLE MULTICONDUCTOR CABLE, AND HP-75,R0, METHOD FOR MEASURING WATER-LEVELS IN WELLS USING REELED (2600-FOOT AND 2800-FOOT) STEEL TAPES.	A N P



## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T Q D U L I A O F L C I A T F T Y I I P E O E D N
930408312312.012	FIRST QUARTER OF THE 1993 PERIODIC NETWORK LOGBOOK.	01/01/93-03/31/93	MANUAL WATER-LEVEL DATA COLLECTED WITH REELED STEEL TAPES AND MULTICONDUCTOR CABLE UNIT. TECHNICAL PROCEDURES HP-75, R1 METHOD FOR MEASURING WATER-LEVELS IN WELLS USING REELED (2600-FOOT AND 2800-FOOT) STEEL TAPES, AND HP-25, R1 METHOD FOR MEASURING WATER LEVEL USING A PORTABLE MULTICONDUCTOR CABLE.	A Y P
ACQN/DEVL LOCATION : J-11				
J-12 WATER WELL				
TEST WELL B				
UE-25 WT #12				
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UE-25 WT #16				
UE-25 WT #17				
UE-25 WT #18				
UE-25 WT #4				
UE-25 WT #6				
UE-25B #1				
UE-29 UZN #91				
UE-29A #1				
UE-29A #2				
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USW G-2				
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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I T Y P E	Q U A L I T Y P E D
GS930408312312.013	RAW CALIBRATION DATA FROM UE-25P #1 AND UE-25 WT #13, FIRST QUARTER 1993 ONLY.  ACQN/DEVL LOCATION : UE-25 WT #13 UE-25P #1	01/01/93-03/31/93	TRANSDUCER/DCP SYSTEMS CALIBRATED ACCORDING TO HP-196, R1, METHOD FOR COLLECTING WATER LEVEL DATA USING DATA COLLECTION PLATFORMS.	A	Y P
GS930408312312.014	DEVELOPED WATER-LEVEL DATA, SELECTED WELLS, FIRST QUARTER 1993 ONLY. DEVELOPED DATA IS COMPOSED OF WATER-LEVEL ALTITUDE WORKSHEETS AND CALIBRATION REGRESSION ANALYSES.  ACQN/DEVL LOCATION : USGS, DENVER, CO	04/01/93-04/07/93	RAW WATER-LEVEL DATA CORRECTED FOR STRETCH, EXPANSION AND BOREHOLE DEVIATION AND AN ALTITUDE OF THE WATER TABLE ABOVE SEA LEVEL WAS CALCULATED. REGRESSIONS PERFORMED ON RAW CALIBRATION DATA USING STANDARD STATISTICAL TECHNIQUES.	D	Y P
GS930508312312.016	RAW TRANSDUCER OUTPUT DATA FROM DATA COLLECTION PLATFORMS, 21X DATALOGGERS AND STRIPCHART RECORDERS, AND CALIBRATION DATA. DATA FROM WELLS USW H-5 AND USW H-6, 5/17 - 5/19, 1993.  ACQN/DEVL LOCATION : USW H-5 USW H-6	03/02/93-05/19/93	TRANSDUCER OUTPUT DATA COLLECTED USING HP-60, R2, METHOD FOR MONITORING WATER LEVEL CHANGES USING PRESSURE TRANSDUCERS AND PRESSURE TRANSMITTERS, AND HP-221T, R0, MONITORING THE WELL WATER-LEVEL OR FLUID PRESSURE RESPONSE TO UNDERGROUND NUCLEAR EXPLOSIONS OR EARTHQUAKES.	A	Y P
GS930508312312.017	WATER-LEVEL AND FLUID-PRESSURE RESPONSE TO EARTHQUAKES OBSERVED IN WELLS USW H-5 AND USW H-6, 5/17 - 5/19, 1993.  ACQN/DEVL LOCATION : USGS, DENVER, CO	05/20/93-05/25/93	RAW TRANSDUCER OUTPUT CONVERTED TO WATER-LEVEL ALTITUDE IN FEET AND FLUID-PRESSURE RESPONSE IN FEET USING COMMON STATISTICAL METHODS.	D	Y P

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*35910708312312.019	ANALYSIS OF THE FREQUENCY RESPONSE OF WATE: LEVELS IN WELLS TO EARTH TIDES AND ATMOSPHERIC LOADING, BY DEVIN GALLOWAY AND STUART ROJSTACZER	01/0../88-11/22/88	ESTIMATES OF AMPLITUDES AND PHASES FOR EXACT FREQUENCIES OF TIDAL CONSTITUENTS WERE OBTAINED BY FITTING THE WATER-LEVEL RECORDS AND THE CALCULATED AREAL STRAIN TIDE TO A SUM OF SINES AND COSINES FUNCTION USING LEAST SQUARES TECHNIQUE (CRYER, 1986, TIMES SERIES ANALYSIS). BAROMETRIC ANALYSIS WAS DONE BY SPECTRAL ESTIMATION TECHNIQUES (BENDAT AND PIERSON, 1986, RANDOM DATA ANALYSIS AND MEASUREMENT PROCEDURE). COMPLETE BIBLIOGRAPHIC CITATIONS ARE FOUND IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
*35310708312312.019	SECOND QUARTER 1993 PERIODIC LOGBOOK.	04/01/93-06/30/93	MANUAL WATER-LEVEL DATA COLLECTED EITHER WITH A PEELED STEEL TAPE OR A MULTICONDUCTOR CABLE UNIT. REFERENCE TECHNICAL PROCEDURES HP-75,R1, METHOD FOR MEASURING WATER-LEVELS IN WELLS USING REELED (2600 FT AND 2800 FT) STEEL TAPES; AND HP-25,R1, METHOD FOR MEASURING WATER LEVEL USING A PORTABLE MULTICONDUCTOR CABLE.	A Y P

ACQN/DEVL LOCATION : TEST WELL B  
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 UE-25 WT #17  
 UE-25 WT #18  
 UE-25 WT #4  
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 UE-25B#1  
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 USW G-2  
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 USW VH-1

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	USW WT-10 USW WT-7 USW-WT-1 UZ-16 WELL J-11 WELL J-12 WELL J-13			
*GS930708312312.020	RAW CALIBRATION DATA FROM WELLS UE-25P #1 AND UE-25 WT #13, SECOND QUARTER 1993 ONLY.  ACQN/DEVL LOCATION : UE-25 WT #13 UE-25P #1	04/01/93-06/30/93	TRANSDUCER/DCP SYSTEMS CALIBRATED ACCORDING TO HP-196,R1, METHOD FOR COLLECTING WATER LEVEL DATA USING DATA COLLECTION PLATFORMS.	A Y P
*GS930708312312.021	DEVELOPED WATER-LEVEL DATA, SELECTED WELLS, SECOND QUARTER 1993 ONLY. DEVELOPED DATA IS COMPOSED OF WATER-LEVEL ALTITUDE WORKSHEETS AND CALIBRATION REGRESSION ANALYSES.  ACQN/DEVL LOCATION : USGS, DENVER, CO	07/01/93-07/07/93	RAW WATER-LEVEL DATA CORRECTED FOR STRETCH, EXPANSION AND BOREHOLE DEVIATION AND AN ALTITUDE OF THE WATER TABLE ABOVE SEA LEVEL WAS CALCULATED. REGRESSIONS PERFORMED ON CALIBRATION DATA USING STANDARD STATISTICAL TECHNIQUES.	D Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.3.1.3				
GS910508312313.001	DETAILS OF BOREHOLE LOCATION AND CONSTRUCTION FOR THE C-HOLE COMPLEX.  ACQN/DEVL LOCATION : C-HOLE COMPLEX	01/01/83-01/01/86	USGS STANDARD COLLECTION METHODS.	A N P
GS910508312313.002	GEOPHYSICAL LOGS OF THE C-HOLES INCLUDING TELEVISION TAPES OF UE25C#1 AND UE25C#2. THE TELEVISION TAPES ARE USED BY HIP. THESE ARE LOCATED IN BUILDING 53 OF THE DENVER FEDERAL CENTER, DENVER, COLORADO.  ACQN/DEVL LOCATION : C-HOLE COMPLEX UE25C-1 UE25C-2	01/01/83-01/01/86	DOWN HOLE CAMERA AND GEOPHYSICAL LOGS.	A N P
GS910508312313.003	GEOLOGIC INFORMATION FROM THE C-HOLES AND YUCCA MOUNTAIN AREA TO SUPPORT HYDROGEOLOGICAL INTERPRETATIONS OF REPORT.  ACQN/DEVL LOCATION : C-HOLE COMPLEX	01/01/83-12/31/84	USGS STANDARD COLLECTION METHOD.	D N P
GS910508312313.004	GEOCHEMICAL, WATER LEVEL, LABORATORY DETERMINED POROSITY AND PERMEABILITY VALUES, HYDRAULIC STRESS TESTS, TRACE EJECTOR SURVEY RESULTS, TEMPERATURE DATA, FRACTURE DATA, LITHOLOGIC DATA USED FOR CHARACTERIZING HYDROLOGIC PROPERTIES OF ROCKS AT THE C-HOLE SITE AND CONCEPTUALIZING A MODEL FOR GROUNDWATER FLOW IN THE VICINITY OF THE C-HOLES.  ACQN/DEVL LOCATION : USGS	01/01/86-12/31/86	USGS STANDARD LABORATORY PROCEDURES.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS910508312313.005	MONITORING OF WATER-LEVEL RESPONSE TO UNDERGROUND NUCLEAR EXPLOSION BEXAR ON 4/4/91 AND TO AN EARTHQUAKE ON 4/23/91.  ACQN/DEVL LOCATION : UE25B-1 USW H-1	04/04/91-04/23/91	PLEASE REFER TO SCIENTIFIC NOTEBOOK PLANS HP-221T, R0, AND HP-222T, R0, FOR DETAILS OF THE COLLECTION METHODS.	A Y P
GS910908312313.006	MONITORING OF WATER-LEVEL RESPONSE TO UNDERGROUND NUCLEAR EXPLOSION HOYA ON AUGUST 15, 1991, AND AN EARTHQUAKE ON AUGUST 16, 1991. ADDITIONAL SUPPORTING DATA INCLUDED.  ACQN/DEVL LOCATION : USW H-4	05/24/91-08/28/91	PLEASE REFER TO SCIENTIFIC NOTEBOOK PLANS HP-221T, R0, AND HP-222T, R0, FOR DETAILS OF THE COLLECTION METHODS.	A Y P
**GS910908312313.007	GEOHYDROLOGY OF ROCKS PENETRATED BY TEST WELL USW H-5, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY J.H. ROBISON AND R.W. CRAIG.  ACQN/DEVL LOCATION : USGS, DENVER, CO	05/01/82-08/31/82	USGS STANDARD COLLECTION METHODS. HYDRAULIC TESTING AND MONITORING INCLUDED PUMP TESTS, HYDRAULIC HEADS, AND FLOW SURVEYS.	D N P
GS910918312313.007	GEOHYDROLOGY OF ROCKS PENETRATED BY TEST WELL USW H-5, YUCCA MOUNTAIN, NYE COUNTY, NEVADA: AN INTERPRETATION OF DATA COLLECTED DURING HYDRAULIC TESTING AND MONITORING, GEOPHYSICAL LOGGING, AND WATER SAMPLING OF TEST WELL USW H-5. HYDRAULIC TESTING AND MONITORING INCLUDED PUMP TESTS, HYDRAULIC HEADS, AND FLOW SURVEYS.  ACQN/DEVL LOCATION : USW H-5	05/01/82-08/31/82	U.S. GEOLOGICAL SURVEY STANDARD COLLECTION METHODS.	A N C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I Y P E E	Q U A L C A T I O N
GS911108312313.008	MONITORING OF WATER-LEVEL RESPONSE TO A PULSE ON OCTOBER 18, 1991.  ACQN/DEVL LOCATION : USW H-4	08/28/91-11/21/91	SCIENTIFIC NOTEBOOK PLAN HP-221T, R0 AND HP-222T, R0.	A	Y P
GS911108312313.009	GEOHYDROLOGY OF ROCKS PENETRATED BY TEST WELL USW H-6, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY R.W. CRAIG AND R.L. REED.  ACQN/DEVL LOCATION : USGS DENVER, CO	01/01/88-02/01/89	TRANSMISSIVITY BY 1) THEIS METHOD 2) STRAIGHT-LINE SOLUTION WITH DUAL-POROSITY MODEL. HORIZONTAL HYDRAULIC CONDUCTIVITY BY COMPUTATION OF TRANSMISSIVITY DIVIDED BY TEST-LENGTH INTERVAL. GROUND-WATER ANALYSIS USING USGS STANDARD METHODS. RELATIVE POROSITY DEDUCED FROM WELL LOGS. PERMEABILITY DEDUCED BY INDIRECT EVIDENCE.	D	N P
GS920208312313.001	TEMPERATURE LOGS RUN AT THE C-HOLE COMPLEX, YUCCA MOUNTAIN AREA, NEVADA.  ACQN/DEVL LOCATION : UE-25C #1 UE-25C #2 UE-25C #3	10/24/91-10/25/91	A TEMPERATURE LOGGING TRUCK WAS USED TO RUN TEMPERATURE LOGS AT THE THREE C-HOLES.	A	N P
GS920208312313.002	MONITORING WATER-LEVEL RESPONSE TO UNDERGROUND NUCLEAR EXPLOSIONS AND EARTHQUAKES.  ACQN/DEVL LOCATION : USGS	11/21/91-02/26/92	SCIENTIFIC NOTEBOOK PLAN HP-221T, R0.	A	Y P

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GS920508312313.003	MONITORING WATER-LEVEL RESPONSE TO UNDERGROUND NUCLEAR EXPLOSIONS AND EARTHQUAKES FOR TEST WELLS USW H-5 AND USW H-6.  ACQN/DEVL LOCATION : USW H-5 USW H-6	02/24/92-05/22/92	REFERENCE SCIENTIFIC NOTEBOOK PLAN HP-221T, R0.	A Y C
GS920508312313.004	ANALOG CHARTS OF WATER-LEVEL FLUCTUATIONS CAUSED BY EARTHQUAKES.  ACQN/DEVL LOCATION : USW H-5	04/22/92-04/26/92	REFERENCE SCIENTIFIC NOTEBOOK PLAN HP-221T, R0.	D Y C
GS920508312313.005	"EARTHQUAKE-INDUCED WATER-LEVEL FLUCTUATIONS AT YUCCA MOUNTAIN, NEVADA, APRIL 1992" BY G. M. O'BRIEN.  ACQN/DEVL LOCATION : USGS	04/26/92-04/26/92	USING DATA ON STRIP CHARTS AND CALIBRATION DATA FROM CALIBRATIONS OF THE TRANSDUCERS (REFERENCE HP-60, R2), CALCULATED WATER-LEVEL CHANGES WERE DEVELOPED IN WELLS IN RESPONSE TO EARTHQUAKES.	D Y C
GS921208312313.006	SEISMIC CROSSHOLE DATA FROM WELLS UE-25C#2 AND UE-25C#3  ACQN/DEVL LOCATION : UE-25C#2 UE-25C#3	06/25/92-07/09/92	DATA RECORDED USING YMP SOFTWARE CID: YMP-USGS/GSP0005.01 (X-ACQ V 1.0) AND THE L.B.L. SEISMIC ACQUISITION SYSTEM.	A Y P



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
55910308312313.002	PRELIMINARY HYDROGEOLOGIC ASSESSMENT OF BOREHOLES UE-25C #1, UE-25C #2, UE-25C #3, YUCCA MOUNTAIN, NYE COUNTY, NEVADA. BY A.L. GELDON.	01/01/92-12/31/92	STANDARD HYDPOLOGIC METHODS AND TESTS TO GENERALLY CHARACTERIZE THE C-HOLE COMPLEX SYSTEM, INCLUDING WATER LEVEL MEASUREMENTS, AQUIFER TESTS, FRACTURE ANALYSIS, ETC.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
55930408312132.010	HYDROLOGY, BY W.E. WILSON -- FY 1982 REPORT	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM HYDRAULIC TESTS AND PALEOHYDROLOGIC STUDIES INCLUDING POTENTIOMETRIC LEVELS, TRANSMISSIVITY, WATER CHEMISTRY, AND CARBON-14 DATING.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO.				
55930408312132.011	HYDROLOGY, BY W.E. WILSON -- FY 1980 REPORT	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL AND HYDROGEOLOGICAL STUDIES INCLUDING GROUNDWATER CHEMISTRY, MINERALOGY, X-RAY DIFFRACTION, TEMPERATURE AND CLIMATE.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO.				
55930408312313.003	HYDRAULIC TESTS AND CHEMICAL QUALITY OF WATER AT WELL USW VH-1, CRATER FLAT, NYE COUNTY, NEVADA, BY WILLIAM THORDARSON AND LEWIS HOWELLS.	01/01/81-12/03/86	HYDRAULIC TESTS ANALYZED BY METHODS OF AHRENS, T.P. AND OTHERS, 1981; VANDERKAMP, G., 1976, DETERMINING AQUIFER TRANSMISSIVITY BY MEANS OF WELL RESPONSE TESTS; JACOB, C.E., 1947, DRAWDOWN TEST TO DETERMINE EFFECTIVE RADIUS OF ARTESIAN WELL; BROWN, R.H., ESTIMATING THE TRANSMISSIVITY OF AN ARTESIAN AQUIFER FROM THE SPECIFIC CAPACITY OF A WELL: USGS WSP 2321. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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GS930408312313.004	GEOHYDROLOGIC DATA FOR TEST WELL UE-25B#1 (UE-25B #1), NEVADA TEST SITE, NYE COUNTY, NEVADA, BY D.H. LOBMEYER, M.S. WHITFIELD, JR., R.G. LAHOUD, AND LAURA BUCKHEIMER.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/83-10/25/83	SUMMARIES AND INTERPRETATIONS OF THE AUTHORS.	D N P
GS930508312132.012	HYDROLOGY, BY D.I. LEAP -- FY 1979 REPORT  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM PALEOHYDROLOGICAL, MINERALOGICAL, AND GEOPHYSICAL STUDIES.	D N P
GS930508312132.015	HYDROLOGY, BY W.E. WILSON -- FY 1981 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL, HYDROLOGICAL, AND GEOPHYSICAL STUDIES INCLUDING STRATIGRAPHY, PALEOHYDROLOGY, WATER CHEMISTRY, RADIONUCLIDE TRANSPORT AND CLIMATE.	D N P
GS930508312313.005	SUMMARY OF HYDRAULIC TESTS AND HYDROLOGIC DATA FOR HOLES UE16D AND UE16F, SYNCLINE RIDGE AREA, NEVADA TEST SITE, BY G.A. DINWIDDIE AND J.E. WEIR, JR.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/78-07/23/79	DRILL HOLES WERE ANALYZED FOR HYDRAULIC POTENTIAL BY STATIC FLUID MOVEMENT, TRACEJECTOR SURVEY, PUMPING, PACKER-SLUG TESTS AND GEOPHYSICAL LOGGING. CHEMICAL ANALYSIS WAS PERFORMED BY USGS STANDARD METHODS.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.3.1.4				
**GS900908312314.001	IDENTIFICATION AND CHARACTERIZATION OF HYDROLOGIC PROPERTIES OF FRACTURED TUFF USING HYDRAULIC AND TRACER TESTS -- TEST WELL USW H-4, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY JAMES R. ERICKSON AND RICHARD K. WADDELL	01/01/84-03/14/85	USGS STANDARD COLLECTION METHODS. DATA COLLECTED FROM HYDROLOGIC AND TRACER TESTS AND AN ACOUSTIC TELEVIEWER LOG WERE USED TO QUANTIFY INTRAWELL-BORE FLOW DIRECTION AND RATES, PERMEABILITY DISTRIBUTION, FRACTURE POROSITY AND ORIENTATIONS OF THE HYDRAULIC CONDUCTIVITY ELLIPSOID FOR THE TEST WELL.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS920408312314.001	LITHOSTRATIGRAPHIC UNITS FOR WELL UE-25P#1. LITHOLOGIC LOGS FOR WELL USW H-4, USW H-5, USW G-4, UE-25B#1 AND J-13.	11/14/82-05/03/83	USGS STANDARD COLLECTION METHODS.	A N P
ACQN/DEVL LOCATION : J-13 UE-25B#1 UE-25P#1 USW G-4 USW H-4 USW H-5				
**GS920408312314.002	GEOHYDROLOGIC DATA FOR TEST WELL UE-25P#1 (UE-25P #1), YUCCA MOUNTAIN AREA, NYE COUNTY NEVADA, BY R.W. CRAIG AND K.A. JOHNSON	06/01/83-05/10/84	USGS STANDARD METHODS.	D N T
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920408312314.003	INJECTION TESTS, PUMPING TESTS, TRACEJECTOR SURVEY, SUB-SURFACE DIRECTIONAL SURVEY AND TEST DATA FOR TEST WELL USW H-3.  ACQN/DEVL LOCATION : USW H-3	01/21/82-01/25/84	USGS STANDARD COLLECTION AND TESTING METHODS.	A N P
**GS920408312314.004	GEOHYDROLOGY OF TEST WELL USW H-3, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY WILLIAM THORDARSON, F.E. KUSH, AND S.J. WADDELL  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/84-08/24/84	USGS STANDARD METHODS.	D N T
GS920408312314.005	LITHOLOGIC LOGS, TRACEJECTOR SURVEY, PUMPING AND INJECTION TESTS, TEMPERATURE LOGS AND GEOPHYSICAL LOGS FOR TEST WELL USW G-4.  ACQN/DEVL LOCATION : USW G-4	12/05/82-01/06/83	USGS STANDARD COLLECTION METHODS.	A N P
GS920408312314.006	GEOHYDROLOGIC DATA FOR WELL USW G-4, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, BY C.E. BENTLEY  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/06/83-12/31/84	USGS STANDARD METHODS.	D N T
*GS920408312314.007	TIME AND TEMPERATURE LOGS, DIRECTIONAL SURVEYS, GEOPHYSICAL LOGS, INJECTION AND PUMPING TESTS, LITHOLOGIC LOGS AND TRACEJECTOR SURVEY FOR TEST WELL USW H-4.  ACQN/DEVL LOCATION : USW H-4	03/23/82-07/28/83	USGS STANDARD COLLECTION METHODS.	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SS920408312314.008	GEOHYDROLOGY OF ROCKS PENETRATED BY TEST WELL USW H-4, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY M.S. WHITFIELD, JR., E.P. ESHOM, WILLIAM THORDARSON, AND D.H. SCHAEFER  ACQN/DEVL LOCATION : USCS, DENVER, CO	01/01/84-01/01/85	TEST DRILLING, HYDRAULIC TESTING AND CHEMICAL ANALYSES.	D N T
SS920408312314.009	GEOHYDROLOGY OF ROCKS PENETRATED BY TEST WELL UE-25P#1(UE-25P #1), YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, BY R.W. CRAIG AND J.H. ROBISON  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/83-08/15/84	USGS STANDARD METHODS.	D N T
SS920408312314.010	LOG BOOKS, INJECTION AND PUMPING TESTS, LITHOLOGIC LOGS, TEST AND CORE ANALYSES AND WATER LEVELS FOR USW H-1.  ACQN/DEVL LOCATION : USW H-1	09/18/80-12/17/80	USGS STANDARD COLLECTION METHODS.	A. N P
SS920408312314.011	GEOHYDROLOGY OF TEST WELL USW H-1, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY F.E. RUSH, WILLIAM THORDARSON, AND D.G. PYLES  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/83-02/14/84	USGS STANDARD METHODS.	D N T

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920408312314.012	FIELD NOTEBOOK, DAILY REPORTS, DRILLING LOGS, INJECTION AND PUMPING TESTS, TEMPERATURE LOGS, LITHOLOGIC LOGS AND CHEMICAL ANALYSIS FOR TEST WELL UE-25B #1.  ACQN/DEVL LOCATION : UE-25B #1	03/31/81-09/22/81	DATA OBTAINED BY BOREHOLE FLOW SURVEYS, PUMPING TESTS, PACKER INJECTION TEST, AND CHEMICAL ANALYSIS OF WATER.	A N P
GS920408312314.013	GEOHYDROLOGY OF VOLCANIC TUFF PENETRATED BY TEST WELL UE-25B#1(UE-25B #1), YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY R.G. LAHOUD, D.H. LOBMEYER, AND M.S. WHITFIELD.  ACQN/DEVL LOCATION : USGS, DENVER, CO	12/02/82-11/02/83	USGS STANDARD METHODS.	D N T
Activity - 8.3.1.2.3.1.6				
GS930508312316.001	TRACER TEST FOR EVALUATING NONPUMPING INTERBOREHOLE FLOW IN FRACTURED MEDIA, BY D.L. GALLOWAY AND J.R. ERICKSON  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/85-09/06/85	AVERAGE VELOCITY OBTAINED FROM LINEAR-REGRESSION ANALYSIS OF THE TRAVEL DISTANCE OF THE CENTROID OF TRACER MASS VERSUS ELAPSED TIME SINCE EJECTION.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
Activity - 8.3.1.2.3.1.7			
*LA00000000058.001	REPORT ON C-2 BULLFROG TUFF BATCH EXPERIMENT	03/15/92-03/09/93	A LITHIUM BATCH EXPERIMENT USING WELL J-13 A N P GROUNDWATER AND CRUSHED BULLFROG TUFF FROM WELL C-2 WAS CONDUCTED TO DETERMINE LINEAR, LANGMUIR, FREUNDLICH, AND MODIFIED LANGMUIR ISOTHERMS (ADSORPTION AND DESORPTION). SOLUTION SAMPLES WERE ANALYZED USING ION CHROMATOGRAPHY TO DETERMINE AMOUNT OF SORPTION AT EQUILIBRIUM.
ACQN/DEVL LOCATION : LANL			
*LA00000000059.001	THE INFLUENCE OF TEMPERATURE AND THE SOLID-LIQUID RATIO ON THE ADSORPTION OF LITHIUM IN A J-13 WELL WATER AND A C-2 BULLFROG TUFF SYSTEM.	03/15/92-06/15/93	BATCH SORPTION EXPERIMENTS WERE CONDUCTED A N P TO EVALUATE THE EFFECTS OF TEMPERATURE AND SOLID-LIQUID RATIO ON THE ADSORPTION OF LITHIUM IN J-13 WELL WATER AND C-2 BULLFROG TUFF SYSTEM.
ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.2.3.2.1			
GS010608312321.001	STABLE ISOTOPE RATIOS AND RADIOCARBON PERCENTAGES.	03/01/88-04/30/90	ANALYSIS OF DUPLICATE SAMPLES COLLECTED BY A N P AND RECEIVED FROM UNLV DESERT RESEARCH INSTITUTE INVESTIGATORS.
ACQN/DEVL LOCATION : UE 25WT-12 UE 25WT-14 UE 25WT-15			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920408312321.001	CHEMICAL COMPOSITION DATA AND LABORATORY ANALYSES FOR GROUND WATER FROM TEST WELLS IN YUCCA MOUNTAIN AREA.  ACQN/DEVL LOCATION : J-12 J-13 UE-25B#1 UE-25C#1 UE-25C#2 UE-25P#1 UE-29A#2 US-25C#3 USW G-4 USW H-1 USW H-3 USW H-4 USW H-5 USW H-6 USW VH-1	03/26/71-07/06/84	USGS STANDARD COLLECTION METHODS	A N P
GS920408312321.002	FLOWMETER (TRACEJECTOR) SURVEY ON TEST WELLS IN PERMEABLE ZONES IN YUCCA MOUNTAIN AREA.  ACQN/DEVL LOCATION : UE-25B#1 USW G-4 USW H-1 USW H-4 USW H-5 USW H-6	10/17/80-10/15/82	USGS STANDARD COLLECTION METHODS	A N P



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS920408312321.003	CHEMICAL COMPOSITION OF GROUNDWATER IN THE YUCCA MOUNTAIN AREA, NEVADA 1971 - 1964, BY L.V. BENSON AND P.W. MCKINLEY.	03/26/71-12/31/85	USGS STANDARD METHODS	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS920508312321.004	CHEMICAL ANALYSES OF WATER FROM SELECTED WELLS AND SPRINGS IN THE YUCCA MOUNTAIN AREA, NEVADA AND SOUTHEASTERN CALIFORNIA, BY P.W. MCKINLEY, M.P. LONG, AND L.V. BENSON	07/01/84-05/01/90	DEVELOPMENT OF THE DATA WAS LIMITED TO CALCULATIONS OF ANION - CATION BALANCE AND CHECKING THE WELL OR SPRING LOCATIONS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER			
Activity - 8.3.1.2.3.2.2				
GS900908312322.001	HYDROGEOLOGIC INFERENCES FROM DRILLERS LOGS AND FROM GRAVITY AND RESISTIVITY SURVEYS IN THE AMARGOSA DESERT, SOUTHERN NEVADA, BY WILLIAM J. OATFIELD AND JOHN B. CZARNECKI.	07/01/88-07/31/88	ANALYSIS OF DEPTH-TO-WATER AND HYDROCHEMICAL DATA AND RESISTIVITY DATA TO CHARACTERIZE THE UNDERLYING HYDROGEOLOGIC FRAMEWORK. METHODS ARE MORE FULLY DESCRIBED IN THE REPORT.	D N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS930508312322.001	SOURCES AND MECHANISMS OF RECHARGE FOR GROUND WATER IN THE WEST-CENTRAL AMARGOSA DESERT, NEVADA - A GEOCHEMICAL INTERPRETATION, BY HANS C. CLAASSEN	01/01/82-03/28/83	ALL AVAILABLE DATA ON GROUND-WATER QUALITY FOR THE WEST-CENTRAL AMARGOSA DESERT WERE APPLIED TO DEVELOPMENT OF A CONCEPTUAL GEOCHEMICAL MODEL OF THAT HYDROLOGIC REGIME. HYDRAULIC, GEOLOGIC, AND LITHOLOGIC DATA FOR THE REGION WERE ALSO INCORPORATED AS NEEDED.	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 - 8.3.1.2.3.2.3				
GS930308312323.001	CHEMICAL COMPOSITION OF GROUNDWATER AND THE LOCATIONS OF PERMEABLE ZONES IN THE YUCCA MOUNTAIN AREA, BY L.V. BENSON, J.H. ROBISON, R.K. BLANKENNAGEL, AND A.E. OGARD.	01/01/83-12/31/83	COMPOSITIONAL CHARACTERIZATION OF GROUNDWATER SAMPLES USING STANDARD LAB ANALYSES BY USGS AND BOREHOLE FLOW SURVEY METHODS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930408312132.010	HYDROLOGY, BY W.E. WILSON -- FY 1982 REPORT	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM HYDRAULIC TESTS AND PALEOHYDROLOGIC STUDIES INCLUDING POTENTIOMETRIC LEVELS, TRANSMISSIVITY, WATER CHEMISTRY, AND CARBON-14 DATING.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
GS930408312132.011	HYDROLOGY, BY W.E. WILSON -- FY 1980 REPORT	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL AND HYDROGEOLOGICAL STUDIES INCLUDING GROUNDWATER CHEMISTRY, MINERALOGY, X-RAY DIFFRACTION, TEMPERATURE AND CLIMATE.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
GS930508312132.012	HYDROLOGY, BY D.I. LEAP -- FY 1979 REPORT	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM PALEOHYDROLOGICAL, MINERALOGICAL, AND GEOPHYSICAL STUDIES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930508312132.015	HYDROLOGY, BY W.E. WILSON -- FY 1981 REPORT.	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL, HYDROLOGICAL, AND GEOPHYSICAL STUDIES INCLUDING STRATIGRAPHY, PALEOHYDROLOGY, WATER CHEMISTRY, RADIONUCLIDE TRANSPORT AND CLIMATE.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930508312132.002	ORIGIN OF CARBONATE DEPOSITS IN THE VICINITY OF YUCCA MOUNTAIN, NEVADA: PRELIMINARY RESULTS OF STRONTIUM-ISOTOPE ANALYSES, BY B.D. MARSHALL, Z.E. PETERMAN, K. FUTA, J.S. STUCKLESS, S.A. MAHAN, J.S. DOWNEY, AND E.D. GUTENTAG	01/01/89-01/05/90	SUMMARY OF STRONTIUM-ISOTOPE ANALYSES, GATHERED BY STANDARD USGS METHODS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 0.3.1.2.3.3.1				
GS920608312331.001	FRACTURE ORIENTATION DATA IN FORM OF ROSE DIAGRAM FROM THE CRATER FLAT TUFF FORMATION, EAST OF LITTLE SKULL MOUNTAIN, 20KM SE OF YUCCA MOUNTAIN	04/06/92-05/10/92	218 FIELD MEASUREMENTS OF ROCK FRACTURES ORIENTATION AS DESCRIBED IN 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				

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Activity - 8.3.1.2.3.3.2				
GS920908312332.001	FRACTURES ORIENTATION AND GEOMETRY - RAVEN CANYON	04/02/91-08/30/92	FIELD MEASUREMENTS USING TECHNICAL PROCEDURE GP-12,R1, MAPPING FRACTURES ON PAVEMENTS, OUTCROPS, AND ALONG TRAVERSES	A Y P
ACQN/DEVL LOCATION : 36 40'30"N 116 32'30"W ;36 42'30"N 116 31 30"W				
GS920908312332.002	FRACTURES ORIENTATION AND GEOMETRY - EAST OF LITTLE SKULL	04/02/91-08/30/92	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				
*GS930608312332.001	OUTCROP-FRACTURES ORIENTATION AND GEOMETRY IN THE AREA OF RAVEN CANYON.	02/19/93-05/05/93	FIELD MEASUREMENTS USING TECHNICAL PROCEDURE GP-12,R1, MAPPING FRACTURES ON PAVEMENTS OUTCROPS AND ALONG TRAVERSES.	A Y P
ACQN/DEVL LOCATION : 36 40'30"N 116 32'30"W ;36 42'30"N 116 31'30"W				
*GS930608312332.002	OUTCROP FRACTURES ORIENTATION AND GEOMETRY IN THE AREA EAST OF LITTLE SKULL.	11/16/92-11/19/92	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				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.3.1.1				
LA000000000044.001	GROUNDWATER CHEMISTRY AT YUCCA MOUNTAIN, NEVADA, AND VICINITY / SUMMARY AND ANALYSIS OF A VARIETY OF GROUNDWATER DATA FROM PREVIOUS LANL AND USGS MONITORING.	01/01/86-01/30/87	THE CHEMISTRY OF GROUNDWATER AT YUCCA MOUNTAIN AND VICINITY WAS REVIEWED AND COMPARED WITH THE CHEMISTRY OF WATER FROM NEVADA TEST SITE AND SURROUNDING AREAS	D N C
ACQN/DEVL LOCATION : LANL				
Activity - 8.3.1.3.1.1.1				
LA000000000038.001	GROUNDWATER CHEMISTRY ALONG FLOW PATHS BETWEEN A PROPOSED REPOSITORY SITE AND THE ACCESSIBLE ENVIRONMENT	01/01/90-03/30/90	LITERATURE SEARCH OF WELL-WATER CHEMICAL ANALYSIS DATA FROM YUCCA MOUNTAIN AND VICINITY	D N T
ACQN/DEVL LOCATION : LANL				
Activity - 8.3.1.3.2.1				
LA000000000045.001	REVISED VOLCANIC STRATIGRAPHY OF DRILL HOLE J-13, FORTY MILE WASH, NEVADA, BASED ON PETROGRAPHIC MODES AND CHEMISTRY OF PHENOCRYSTS	01/01/80-12/01/82	MINERALOGIC ANALYSES BY X-RAY DIFFRACTOMETER, MODAL ANALYSIS OF THIN SECTIONS, AND PHENOCRYST COMPOSITIONS BY ELECTRON MICROPROBE ANALYSIS	D N C
ACQN/DEVL LOCATION : LANL				
LA000000000046.001	PETROLOGIC STUDIES OF DRILL CORES USW G-2 AND UE-25B#1R, YUCCA MOUNTAIN, NEVADA	01/01/82-06/01/82	PETROGRAPHIC, LIGHT MICROSCOPY, X-RAY DIFFRACTION, AND MICROPROBE ANALYSES OF PHENOCRYSTS AND SECONDARY PHASES; CORRELATION OF STRATIGRAPHY MADE WITH PREVIOUS YUCCA MOUNTAIN DRILL CORES.	D N C
ACQN/DEVL LOCATION : LANL				

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*LA000000000056.001	MINERALS IN FRACTURES OF THE UNSATURATED ZONE FROM DRILL CORE USW G-4, YUCCA MOUNTAIN, NYE COUNTY, NEVADA.	01/15/82-12/15/84	THE MINERALOGY OF FRACTURES IN DRILL CORE USW G-4 WAS EXAMINED TO DETERMINE THE SEQUENCE OF DEPOSITION AND THE IDENTITY OF MINERALS THAT MIGHT BE NATURAL BARRIERS TO RADIONUCLIDE MIGRATION.	D N P
ACQN/DEVL LOCATION : LANL				
Activity - 8.3.1.3.2.1.1				
LA000000000047.001	FRAN RIDGE HORIZONTAL CORING SUMMARY REPORT HOLE UE-25K#1, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA	02/01/83-09/01/86	CORE EXAMINED FOR FRACTURES, FRACTURE-FILL MINERALIZATION, AND LITHOPHYSAL CONTENT. FRACTURE FREQUENCIES CALCULATED.	D N C
ACQN/DEVL LOCATION : LANL				
*LA000000000054.001	DISTRIBUTION OF POTENTIALLY HAZARDOUS PHASES IN THE SUBSURFACE AT YUCCA MOUNTAIN, NEVADA	01/02/93-04/30/93	PREVIOUS MINERALOGIC AND X-RAY POWDER DIFFRACTION DATA HAVE BEEN SUMMARIZED AND ANALYZED IN REGARD TO POTENTIAL RESPIRATORY HEALTH HAZARDS	D N P
ACQN/DEVL LOCATION : LANL				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I T Y P E E	Q U A L I T Y P E D
Activity - 8.3.1.3.2.1.2					
LA000000000014.001	CALCITE DEPOSITS IN DRILL CORES USW G-2 AND USW GU-3/G-3 AT YUCCA MOUNTAIN, NEVADA  ACQN/DEVL LOCATION : LANL	02/07/91-06/30/92	PETROGRAPHY, INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS, AND ELECTRON MICRO-PROBE ANALYSIS	A	Y C
LA000000000014.002	CALCITE DEPOSITS IN DRILL CORES USW G-2 AND USW GU-3/G-3 AT YUCCA MOUNTAIN, NEVADA  ACQN/DEVL LOCATION : LANL	07/01/92-03/01/93	PETROGRAPHY, INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS, AND ELECTRON MICROPROBE ANALYSIS.	D	Y T
LA000000000015.001	GEOLOGIC EVALUATION OF SIX NONWELDED TUFF SITES FOR A SURFACE-BASED TEST FACILITY FOR THE YUCCA MOUNTAIN PROJECT  ACQN/DEVL LOCATION : LANL	03/01/90-02/21/91	MODAL POINT COUNTS, X-RAY DIFFRACTION, NEUTRON ACTIVATION ANALYSIS, ATOMIC ABSORPTION SPECTROPHOTOMETRY, X-RAY FLUORESCENCE, LOSS ON IGNITION, PHOSPHOMOLYBDATE COLORIMETRY, AND FIELD OBSERVATIONS.	A	Y C
LA000000000015.002	GEOLOGICAL EVALUATION OF SIX NON-WELDED TUFF SITES IN THE VICINITY OF YUCCA MOUNTAIN, NEVADA, FOR A SURFACED BASED TEST FACILITY FOR THE YUCCA MOUNTAIN PROJECT.  ACQN/DEVL LOCATION : LANL	03/01/91-02/28/93	X-RAY DIFFRACTION, MODAL PETROGRAPHY AND CHEMISTRY.	D	Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
LAC00000000018.001	REVISED MINERALOGIC SUMMARY OF YMP ACQN/DEVL LOCATION : LANL	09/01/81-11/01/88	X-RAY DIFFRACTION	D N T
LAC00000000025.001	CALCITE DEPOSITS IN FRACTURES AT YUCCA MOUNTAIN MOUNTAIN NEVADA ACQN/DEVL LOCATION : LANL	12/06/90-10/28/92	PETROGRAPHY (TWS-EES-DP-03,P3) MICROPROBE (LANL-EES-DO-07,R4) AND INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS (WASHINGTON UNIVERSITY)	A Y P
LAC00000000041.001	PRELIMINARY STRATIGRAPHIC AND PETROLOGIC CHARACTERIZATION OF CORE SAMPLES FROM USW-G1, YUCCA MOUNTAIN, NEVADA ACQN/DEVL LOCATION : LANL	09/01/81-11/30/81	ANALYSIS AND DISCUSSION OF PETROGRAPHIC STUDIES	D N C
LAC00000000050.001	THE IMPORTANCE OF ZEOLITES IN THE POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY AT YUCCA MOUNTAIN, NEVADA ACQN/DEVL LOCATION : LANL	11/01/92-05/30/93	DAT: ON DISTRIBUTION, RADIONUCLIDE SORPTION, AND THERMAL AND HYDROLOGIC EFFECTS FOR ZEOLITES AT YUCCA MOUNTAIN ARE SUMMARIZED AND DISCUSSED IN RELATION TO MIGRATION OF RADIONUCLIDES IN GROUND WATER.	D N P



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 0.3.1.2.1.4				
LA000000000002.001	ELECTRON MICROPROBE ANALYSES OF FRACTURE-LINING MANGANESE OXIDE MINERALS IN THE CRATER FLAT TUFF OF DRILL CORE USW- G-4.  ACQN/DEVL LOCATION : LANL	01/01/86-12/31/89	ELECTRON MICROPROBE DATA.	D N T
*LA0000000000020.001	QUANTITATIVE MICROPROBE ANALYSES OF RANCIEITE AND LITHIOPHORITE, MANGANESE OXIDE MINERALS  ACQN/DEVL LOCATION : LANL	05/18/87-10/25/89	ELECTRON MICROPROBE ANALYSES	A N P
*LA0000000000021.001	QUALITATIVE X-RAY DIFFRACTION DATA FOR SAMPLES CONTAINING MANGANESE OXIDES  ACQN/DEVL LOCATION : LANL	02/01/83-03/31/92	X-RAY POWDER DIFFRACTION	A N P
LA0000000000039.001	MINERALS IN FRACTURES OF THE SATURATED ZONE FROM DRILL CORE USW G-4, YUCCA MOUNTAIN, NYE COUNTY, NEVADA  ACQN/DEVL LOCATION : USW G-4	06/11/86-07/15/86	X-RAY DIFFRACTION ANALYSIS AND MICROPROBE ANALYSIS OF MINERALS	D N T
*LA0000000000055.001	EQUILIBRIUM MODELING OF THE FORMATION OF ZEOLITES IN FRACTURES AT YUCCA MOUNTAIN, NEVADA  ACQN/DEVL LOCATION : LANL	07/01/92-07/01/93	THERMODYNAMIC DATA WERE ESTIMATED USING PUBLISHED METHODS, AND STABILITY DIAGRAMS FOR ZEOLITES WERE CALCULATED USING THE COMPUTER PROGRAM GEO-CALC	D Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*1A000000000061.001	QUALITATIVE X-RAY DIFFRACTION DATA AND QUANTITATIVE ELECTRON MICROPROBE DATA ON FRACTURE-LINING ZEOLITES AT YUCCA MOUNTAIN  ACQN/DEVL LOCATION : LANL	02/01/83-05/31/93	POWDER X-RAY DIFFRACTION AND QUANTITATIVE ELECTRON-PROBE MICROANALYSIS USING WAVELENGTH DISPERSIVE SPECTROMETRY	A N P
*1A000000000069.001	FRACTURE-LINING MANGANESE OXIDE MINERALS IN SILICIC TUFF, YUCCA MOUNTAIN, NEVADA, USA  ACQN/DEVL LOCATION : LANL	08/01/90-06/30/92	DEVELOPED IMPLICATIONS OF MINERALOGY, CHEMISTRY, AND DISTRIBUTION OF MANGANESE OXIDE MINERALS IN FRACTURES USING X-RAY DIFFRACTION AND OPTICAL AND ELECTRON MICROSCOPY DATA.	D N P
Activity - 8.3.1.3.2.2.1				
1A000000000016.001	PEDOGENESIS OF SILICEOUS CALCRETES OF YUCCA MOUNTAIN, NEVADA  ACQN/DEVL LOCATION : LANL	08/30/87-05/08/92	PETROGRAPHY, XRD, SEM, AND INAA ANALYSIS	A Y P
1A000000000016.002	PEDOGENESIS OF SILICEOUS CALCRETES OF YUCCA MOUNTAIN, NEVADA  ACQN/DEVL LOCATION : LANL	08/30/87-06/16/92	PETROGRAPHY, XRD, SEM AND INAA ANALYSIS	D Y P
1A000000000022.001	BEDROCK BRECCIAS ALONG FAULT ZONES NEAR YUCCA MOUNTAIN, NEVADA  ACQN/DEVL LOCATION : LANL	11/05/84-11/20/90	ELECTRON MICROPROBE, SCORNING, ELECTRON MICROSCOPE, X-RAY DIFFRACTION, OPTICAL MICROSCOPY, FIELD OBSERVATION	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F T Y P E E D N
LA0000000000723.001	PRELIMINARY ASSESSMENT OF CLINOPTILOLITE K/AR RESULTS FROM YUCCA MOUNTAIN NEVADA, USA; A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE.	08/01/89-10/30/91	XRD ANALYSIS, POTASSIUM ANALYSIS BY FLAME PHOTOMETER, ARGON ANALYSIS BY MASS SPECTROMETER AND MINERAL SEPARATION IN DEIONIZED WATER AND HEAVY LIQUIDS	A Y C
ACQN/DEVL LOCATION : CASE WESTERN RESERVE UNIVERSITY, CLEVELAND, OH LANL				
**LA000000000013.002	MINERALOGY AND CLINOPTILOLITE K/AR RESULTS FROM YUCCA MOUNTAIN, NEVADA, USA; A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE	11/01/91-12/10/92	SECONDARY MINERALS SEPARATED BY SEDIMENTATION AND HEAVY LIQUIDS AND IDENTIFIED BY X-RAY DIFFRACTION AND SCANNING ELECTRON MICROSCOPY. POTASSIUM AND ARGON CONTENTS OF CLINOPTILOLITES DETERMINED BY FLAME PHOTOMETER AND MASS SPECTROMETER, RESPECTIVELY (TWS-EES-1-10-91-4). APPARENT AGES CALCULATED FROM POTASSIUM AND ARGON DATA.	D Y C
ACQN/DEVL LOCATION : CASE WESTERN RESERVE UNIVERSITY LANL				
LA0000000000024.001	SURFACE-DISCHARGING HYDROTHERMAL SYSTEMS AT YUCCA MOUNTAIN - EXAMINING THE EVIDENCE. PETROGRAPHIC AND FIELD STUDIES, ELECTRON MICROPROBE DATA, SCANNING ELECTRON MICROSCOPE DATA, X-RAY DIFFRACTION DATA.	01/05/90-10/01/92	FIELD WORK, PETROGRAPHIC STUDY, X-RAY DIFFRACTION, SCANNING-ELECTRON MICROPROBE.	A N P
ACQN/DEVL LOCATION : LANL				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
1A000000000036.001	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 Y T
	ACQN/DEVL LOCATION : BUSTED BUTTE QUADRANGLE (NEVADA) & LANL			
LA000000000040.001	EVALUATION OF PAST AND FUTURE ALTERATIONS IN TUFF AT YUCCA MOUNTAIN, NEVADA, BASED ON THE CLAY MINERALOGY OF DRILL CORES USW G-1, G-2, AND G-3.	01/02/81-09/01/88	CLAY MINERALOGY OF TUFFS EXAMINED USING X-RAY POWDER DIFFRACTION; APPROXIMATE TEMPERATURES OF ALTERATION DETERMINED USING AVAILABLE CLAY MINERAL DATA AND FLUID INCLUSION ANALYSES; AND ILLITES DATED USING K/AR TECHNIQUES	D N C
	ACQN/DEVL LOCATION : LANL			
*LA000000000057.001	K/AR DATING OF CLINOPTILOLITE, MORDENITE, AND ASSOCIATED CLAYS FROM YUCCA MOUNTAIN, NEVADA	03/15/92-05/15/92	SUMMARIZED VERSION OF MILESTONE 3142 REVISED AND MODIFIED WITH ADDITIONAL K/AR DATA ON MORDENITE AND CLAYS.	D Y P
	ACQN/DEVL LOCATION : LANL			
*LA000000000067.001	MODERATE-TEMPERATURE ZEOLITIC ALTERATION IN A COOLING PYROCLASTIC DEPOSIT.	05/01/82-06/30/86	EVIDENCE FOR MODERATE-TEMPERATURE ZEOLITIC ALTERATION IN A COOLING PYROCLASTIC DEPOSIT WAS EXAMINED.	D N P
	ACQN/DEVL LOCATION : LANL			

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Activity - 8.3.1.3.2.2.2				
LA000000000017.001	DEHYDRATION AND REHYDRATION OF A TUFF VITROPHYRE	07/14/87-04/11/92	HEATING, WEIGHING, X-RAY DIFFRACTION, THERMOGRAVIMETRIC ANALYSIS, FOURIER- TRANSFORM INFRARED SPECTROGRAPHY, MOISTURE-EVOLUTION ANALYSIS, ION CHROMO- TOGRAPHY AND ATOMIC ABSORPTION	A N C
ACQN/DEVL LOCATION : LANL				
LA000000000017.002	DEHYDRATION AND REHYDRATION OF A TUFF VITROPHYRE	05/01/92-03/19/93	HEATING, WEIGHING, X-RAY DIFFRACTION THERMOGRAVIMETRIC ANALYSIS, FOURIER-TRANSFORM INFRARED SPECTROGRAPHY, MOISTURE-EVOLUTION AND ATOMIC ABSORPTION.	D N C
ACQN/DEVL LOCATION : LANL				
*LA000000000051.001	LONG-TERM THERMAL STABILITY OF CLINOPTILOLITE: THE DEVELOPMENT OF A "B" PHASE.	07/24/85-02/09/90	THE STRUCTURAL EFFECTS OF HEATING SAMPLES OF CLINOPTILOLITES AT 100 DEGREES C AND 200 DEGREES C FOR TIMES UP TO 5 YEARS WERE MONITORED USING X-RAY POWDER DIFFRACTION. CONVERSION TO A COLLAPSED PHASE WAS DEMONSTRATED FOR SOME OF THE SAMPLES AT 200 DEGREES C.	D N C
ACQN/DEVL LOCATION : LANL				
*LA000000000052.001	THERMAL STABILITY OF ZEOLITIC TUFF FROM YUCCA MOUNTAIN, NEVADA.	06/01/89-09/30/89	THE THERMAL STABILITIES OF THE ZEOLITES CLINOPTILOLITE AND MORDENITE WERE INVESTIGATED USING A COMBINATION OF HIGH-TEMPERATURE X-RAY POWDER DIFFRACTION, THERMOGRAVIMETRIC AND DIFFERENTIAL SCANNING CALORIMETRIC ANALYSIS, AND LONG-TERM HEATING EXPERIMENTS.	D N P
ACQN/DEVL LOCATION : LANL				

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Activity - 8.3.1.3.4.1				
LA000000000032.001	DEPENDENCE OF RADIONUCLIDE SORPTION ON SAMPLE GRINDING SURFACE AREA AND WATER COMPOSITION.	05/23/90-12/08/92	BATCH SORPTION MEASUREMENTS FOLLOWING TWS-INC-DP-05,R2.	A Y P
	ACQN/DEVL LOCATION : LANL			
LA000000000037.001	SUMMARY REPORT ON THE GEOCHEMISTRY OF YUCCA MOUNTAIN AND ENVIRONS	01/15/77-12/01/82	A VARIETY OF TECHNIQUES HAVE BEEN USED TO STUDY SORPTION PROCESSES THAT LEAD TO THE REMOVAL OF RADIONUCLIDES FROM SOLUTION THROUGH INTERACTION WITH TUFF	D N C
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.3.4.1.1				
LA000000000042.001	SUMMARY OF SORPTION MEASUREMENTS PERFORMED WITH YUCCA MOUNTAIN, NEVADA, TUFF SAMPLES AND WATER FROM WELL J-13	01/15/77-12/15/87	A VARIETY OF TECHNIQUES HAVE BEEN USED TO STUDY SORPTION PROCESSES THAT LEAD TO THE REMOVAL OF RADIONUCLIDES FROM SOLUTION THROUGH INTERACTIONS WITH TUFF.	D N C
	ACQN/DEVL LOCATION : LANL			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.3.4.2				
**LA000000000003.001	THE ROLE OF SIDEROPHORES IN THE TRANSPORT OF RADIONUCLIDES	08/01/90-06/30/92	THE BINDING OF 239 PU(IV) BY FOUR CHELATING AGENTS IS REPORTED: A SIDEROPHORE ISOLATED AND PURIFIED FROM A PSEUDOMANAS SP.; DESFERAL; EDTA; AND CITRATE.	D N P
	ACQN/DEVL LOCATION : LANL			
**LA000000000003.002	ABSORPTION SPECTRA RELATED TO CHELATION OF PLUTONIUM(IV) BY SIDEROPHORES	07/07/82-05/29/92	SPECTROPHOTOMETRIC DATA FROM 300 TO 1000 NANOMETERS	A N P
	ACQN/DEVL LOCATION : LANL			
LA000000000004.001	"COLLOIDAL AGGLOMERATION"	06/01/91-08/31/91	INSTRUMENT READ-OUT	D Y P
	ACQN/DEVL LOCATION : LANL			
**LA000000000004.002	COLLOIDAL AGGLOMERATION	07/07/82-07/09/91	ABSORBANCE AND DIRECT MICROSCOPIC COUNT	A N P
	ACQN/DEVL LOCATION : LANL			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.3.5.1.1				
LA000000000012.001	MEASURED SOLUBILITIES AND SPECIATIONS OF NEPTUNIUM, PLUTONIUM, AND AMERICIUM IN A TYPICAL GROUNDWATER (J-13) FROM THE YUCCA MOUNTAIN REGION	10/01/85-09/30/91	THERMODYNAMIC DATA DETERMINED BY SOLUBILITY MEASUREMENT FROM OVERSATURATION	A Y P
ACQN/DEVL LOCATION : LBL				
LA000000000012.002	MEASURED SOLUBILITIES AND SPECIATIONS OF NEPTUNIUM, PLUTONIUM, AND AMERICIUM IN A TYPICAL GROUNDWATER (J-13) FROM THE YUCCA MOUNTAIN REGION	10/01/91-08/24/92	THERMODYNAMIC DATA DETERMINED BY SOLUBILITY MEASUREMENTS FROM OVERSATURATION	D Y T
ACQN/DEVL LOCATION : LBL				
LA000000000053.001	ACTINIDE (IV) AND ACTINIDE (VI) CARBONATE SPECIATION STUDIES BY PAS AND NMR SPECTROSCOPIES.	07/09/90-01/07/93	PULSED-LASER PHOTOACOUSTIC SPECTROSCOPY (PAS) AND FOURIER-TRANSFORM NUCLEARMAGNETIC RESONANCE (NMR) SPECTROSCOPY HAVE BEEN EMPLOYED TO STUDY THE SPECIATION OF ACTINIDE (IV) AND (VI) IONS.	D Y C
ACQN/DEVL LOCATION : LANL				



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - B.3.1.3.6.1.1				
**LAC00000000005.001	RADIONUCLIDE MIGRATION LABORATORY STUDIES FOR VALIDATION OF BATCH SORPTION STUDIES DATA	05/01/85-09/30/90	BATCH SORPTION EXPERIMENTS; COLUMN EXPERIMENTS WITH CRUSHED TUFF AND PURE MINERALS AND SOLID TUFF; DIFFUSION EXPERIMENTS UTILIZING SOLID TUFF FOLLOWING LANL/YMP DP'S 15, 86, 61, 35, 60, 62, 63, 66, AND 67. WORK IS INTENDED TO VALIDATE BATCH SORPTION DATA UTILIZING LABORATORY TRANSPORT EXPERIMENTS UNDER ADVECTIVE DIFFUSIVE CONDITIONS.	D Y P
ACQN/DEVL LOCATION : LANL				
**LAC00000000006.001	LABORATORY STUDIES OF RADIONUCLIDES MIGRATION IN TUFF.	01/01/82-09/30/89	WORK UTILIZED COLUMN EXPERIMENTS WITH CRUSHED SOLID AND FRACTURED TUFF.	D Y P
ACQN/DEVL LOCATION : LANL				
**LAC00000000008.001	ACTINIDE BEHAVIOR ON CRUSHED ROCK COLUMNS.	01/01/88-06/30/92	CRUSHED TUFF COLUMNS WERE UTILIZED FOLLOWING LANL/YMP DP 15, 35, 62 AND 63. THE WORK DESCRIBES THE TRANSPORT OF ACTINIDES IN CRUSHED TUFF COLUMNS.	D Y P
ACQN/DEVL LOCATION : LANL				
**LAC00000000009.001	RADIONUCLIDE MIGRATION AS A FUNCTION OF MINERALOGY.	04/01/90-04/30/91	BATCH SORPTION EXPERIMENTS AND COLUMNS WITH CRUSHED PURE MINERALS WERE UTILIZED FOLLOWING LANL/YMP DP'S 86, 15, 35, 62, & 63 TO STUDY MIGRATION OF RADIONUCLIDES AS A FUNCTION OF MINERALOGY.	D Y P
ACQN/DEVL LOCATION : LANL				

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***LA000000000010.001	THE ELUTIONS OF RADIONUCLIDES THROUGH COLUMNS OF CRUSHED ROCK FROM THE NEVADA TEST SITE.	10/01/76-10/30/92	THIS WORK UTILIZED CRUSHED ROCK COLUMNS FOLLOWING LANL/YMP DETAILED PROCEDURE 15 AND DESCRIBES THE ELUTIONS OF RADIONUCLIDES THROUGH COLUMNS OF CRUSHED TUFF, GRANITE, AND ARGILLITE.	D Y P
	ACQN/DEVL LOCATION : LANL			
LA000000000035.001	TRANSPORT OF NEPTUNIUM THROUGH YUCCA MOUNTAIN TUFFS	04/20/92-09/17/92	THE EXPERIMENTS CONDUCTED CONSIST OF BATCH AND C SORPTION MEASUREMENTS AND COLUMN EXPERIMENTS WITH CRUSHED TUFF AND PURE MINERAL SEPARATES.	
	ACQN/DEVL LOCATION : LANL			
LA000000000035.002	NEPTUNIUM RETARDATION WITH TUFFS AND GROUNDWATER FROM YUCCA MOUNTAIN	04/20/92-09/17/92	THE EXPERIMENTS CONSIST OF BATCH SORPTION AND C MEASUREMENTS AND COLUMN EXPERIMENTS WITH CRUSHED TUFF AND PURE MINERAL SEPARATES	
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.3.6.2.1				
LA000000000034.001	DIFFUSION OF SORBING AND NON-SORBING RADIONUCLIDES	11/25/91-03/25/92	THE EXPERIMENTAL TECHNIQUE INVOLVES MAKING A Y C CONTAINERS MADE OF TUFF INTO THE FORM OF BEAKERS. A SOLUTION OF J-13 WELL WATER AND RADIONUCLIDES OF INTEREST.	
	ACQN/DEVL LOCATION : LANL			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
LA000000000034.002	DIFFUSION OF SORBING AND NON-SORBING RADIONUCLIDES.	11/25/91-03/25/92	DIFFUSION MEASUREMENTS IN ROCK BEAKERS.	D Y C
	ACQN/DEVL LOCATION : LANL			
	Activity - 8.3.1.3.6.2.2			
LA000000000007.001	DIFFUSION OF NONSORBING TRACERS IN YUCCA MOUNTAIN TUFF.	05/01/85-11/30/87	FOLLOWED LANL/YMP DP'S 66, 62, 35, AND 60. DIFFUSION OF NONSORBING RADIONUCLIDES INTO SATURATED TUFF WAS STUDIED USING DIFFUSION CELLS.	D Y P
	ACQN/DEVL LOCATION : LANL			
	Activity - 8.3.1.4.2.1			
USGS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			

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Activity - 8.3.1.4.2.1.1				
**GS900908314211.001	GEOLOGY OF THE TWINRIDGE PLUTON AREA, NEVADA TEST SITE, NEVADA, BY F. MALDONADO	01/01/81-12/31/81	LIBRARY RESEARCH. THIS REPORT IS PART OF A STUDY TO CHARACTERIZE CRYSTALLINE BODIES FOR POSSIBLE NUCLEAR WASTE REPOSITORY SITES AT THE NTS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
**GS900908314211.012	STRATIGRAPHIC CORRELATION AND PETROGRAPHY OF THE BEDDED TUFFS, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY S.F. DIEHL & M.P. CHORNACK.	01/01/86-12/29/86	USGS STANDARD METHODS. DETAILED FIELD, PETROLOGIC, AND SCANNING ELECTRON MICROSCOPIC EXAMINATION OF COMPONENTS AND INTERNAL STRUCTURES OF BEDDED TUFFS. DENSITY AND POROSITY VALUES FOR PYROCLASTIC-FALL AND NONWELDED PYROCLASTIC-FLOW DEPOSITS FROM THE BASE OF THE TIVA CANYON MEMBER OF THE PAINTERUSH TUFF TO THE BASE OF THE TRAM MEMBER OF THE CRATER FLAT TUFF.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS900908314211.014	THREE-DIMENSIONAL MODELING OF THE NEVADA TEST SITE AND VICINITY FROM TELESEISMIC P-WAVE RESIDUALS, BY M.E. MONFORT AND J.R. EVANS.	01/01/80-12/31/81	TELESEISMIC P-WAVE TRAVEL-TIME RESIDUAL STUDY USED TO REVEAL THE REGIONAL COMPRESSIONAL-VELOCITY STRUCTURE OF CALIFORNIA TO A DEPTH OF 280 KM.	D N P
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
GS910708314211.011	SR AND ND ISOTOPIC DATA AND RB, SR, ND, AND SM CONCENTRATIONS FROM DRILL CORE SPECIMANS FROM UE-25A#1.	07/01/90-11/30/90	GCP-12, RB-SR ISOTOPE GEOCHEMISTRY AND GCP-21, SM-ND ISOTOPE GEOCHEMISTRY	D Y C
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F T V P E E D N
GS910808314211.010	MINOR AND TRACE ELEMENT CONCENTRATIONS FROM CORE SAMPLES.  ACQN/DEVL LOCATION : USGS	05/01/89-08/30/89	IN ACCORDANCE WITH NWM-USGS-GCP-12, R1.	D N C
GS920508314211.001	FIELD NOTES OF PETROGRAPHIC INFORMATION FOR SAMPLES ENCOUNTERED IN THE FIELD, NOV. 1990 - MARCH 1991. THE DESCRIPTIONS INCLUDE PHENOCRYST CONTENTS, ROCK COLOR, STRIKES AND DIPS, AND OTHER STRATIGRAPHIC INFORMATION ABOUT VOLCANIC ROCKS NORTH OF YUCCA MOUNTAIN  ACQN/DEVL LOCATION : CALICO HILLS, TIVA CANYON, SITES NOTED.	11/02/90-03/14/91	FIELD WORK AND COLLECTION OF SAMPLES OF RHYOLITIC LAVA FLOWS AND ASH-FLOW TUFFS FOR PETROGRAPHIC AND GEOCHEMICAL ANALYSIS. NOT COMPLETED. WILL NOT BE USED BY THE USGS FOR SITE CHARACTERIZATION.	A N P
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  ACQN/DEVL LOCATION : USGS, DENVER	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 P
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. CHORNICK WITH A SECTION ON GEOPHYSICAL LOGS BY D.C. MULLER AND J.E. KIBLER	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 P

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	ACQN/DEVL LOCATION : USGS, DENVER			
GS920908314211.004	PRELIMINARY REPORT ON THE GEOLOGY AND GEOPHYSICS OF DRILL HOLE UE25A-1, YUCCA MOUNTAIN, NEVADA TEST SITE BY RICHARD W. SPENGLER, D.C. MULLER, AND R.B. LIVERMORE	07/01/78-05/04/79	EXAMINATION OF CORE. CORRELATION OF LITHOLOGY, STRUCTURAL PROPERTIES, AND GEOPHYSICAL LOGS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER			
GS921208314211.005	DEVELOPMENT OF 3-D LITHOSTRATIGRAPHIC AND CONFIDENCE MODELS AT YUCCA MOUNTAIN, NEVADA.	02/01/84-04/23/88	REPORT SHOWS EXAMPLES OF PRELIMINARY DRAWINGS USING DATA FROM PUBLISHED AND NONPUBLISHED CORE LOGS FROM DRILL HOLES, MEASURED STRATIGRAPHIC SECTIONS, GEOLOGICAL MAPS, CROSS SECTIONS, AND STRUCTURAL CONTOUR MAPS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930108314211.002	PRELIMINARY LITHOLOGIC LOG OF TEST HOLE UE-25 UZ #5, NEVADA.	05/01/85-07/31/85	THESE DATA WERE ACQUIRED FROM ANALYSES OF CORE DRILLED PRIOR TO MAY 1985. INVESTIGATOR USED X-RAY ANALYSIS, THIN SECTIONS AND SCIENTIFIC OBSERVATIONS.	A N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930208314211.004	PRELIMINARY LITHOLOGY WELL REPORTS; USW WT-1, WT-2, WT-7 & WT-10, AND UE-25 WT #3, #16, #17 & #18.	02/01/84-04/23/88	THESE DATA WERE ACQUIRED FROM ANALYSIS OF CORE DRILLED PRIOR TO 1984. DATA ARE GEOPHYSICAL LOGS MADE FROM SCIENTIFIC OBSERVATIONS OF BIT CUTTING SAMPLES.	A N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930208314211.005	STRATIGRAPHY AND STRUCTURE OF VOLCANIC ROCKS IN DRILL HOLE USW-G1 (USW G-1), YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY R.W. SPENGLER, F.M. BYERS, AND J.B. WARNER.	01/01/81-11/02/81	DESCRIPTIONS AND INTERPRETATIONS OF THE STRATIGRAPHY, STRUCTURE (SHEAR FRACTURES, JOINTS, FOLIATION AND LAYERING, FAULT ZONES, AND FRACTURE COATINGS), AND THE LITHOLOGIC LOG FOR DRILLHOLE USW G-1. METHODS USED INCLUDE CORE LOGGING AND PETROGRAPHIC STUDIES OF THIN SECTIONS. CHEMICAL ANALYSES USED AS AN AID IN ROCK CLASSIFICATION. X-RAY DIFFRACTION ANALYSIS USED TO IDENTIFY ALTERATION PRODUCTS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930208314211.006	PRELIMINARY LITHOLOGY WELL REPORT FOR UE-25 WT #6	02/01/84-04/23/88	GEOPHYSICAL LOGS MADE FROM SCIENTIFIC OBSERVATIONS OF BIT CUTTING SAMPLES OF CORE DRILLED PRIOR TO FEBRUARY, 1984.	A N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930208314211.007	GEOLOGY OF DRILL HOLE USW VH-2 AND STRUCTURE OF CRATER FLAT, SOUTHWESTERN NEVADA, BY W.J. CARR AND L.D. PARRISH.	01/01/84-07/23/85	DESCRIPTIONS AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED AND UNPUBLISHED DATA/INFORMATION INCLUDING: STRATIGRAPHY AND LITHOLOGY, STRUCTURAL CHARACTERISTICS, AND GEOPHYSICAL LOGS FOR USW VH-2.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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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.	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 P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930308314211.009	TABLE DEPICTING DEPTH TO LITHOLOGIC CONTACTS IN CORE SAMPLES FROM BOREHOLES UE-25 NRG-2 AND NRG-6, YUCCA MOUNTAIN, NEVADA	02/03/93-03/15/93	THIS TABLE WAS ACQUIRED PER TECHNICAL PROCEDURE GP-38T,R0, STRATIGRAPHIC STUDIES FROM GEOLOGIC DESCRIPTION OF CORE, BIT CUTTINGS, AND OUTCROP	A N P
	ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV			
GS930408314211.010	RELATION BETWEEN P-WAVE VELOCITY AND STRATIGRAPHY OF LATE CENOZOIC DEPOSITS OF SOUTHERN NEVADA, BY EDUARDO A. RODRIGUEZ AND JAMES C. YOUNT.	01/11/85-11/22/85	METHODS OF OPERATION FOR PORTABLE SEISMOGRAPHS FOLLOWED ESTABLISHED PROCEDURE OF MOONEY, H.M., 1973, HANDBOOK OF ENGINEERING SEISMOLOGY, AND TINSLEY, J.C., 1984, IN USGS OFR 84-400. ORDINARY LEAST SQUARES LINEAR REGRESSION WAS USED TO DETERMINE BEST-FIT LINES FOR TRAVEL-TIME PLOTS. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			



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GS930408314211.011	SEARCH FOR POTENTIAL SITES BY G.L. DIXON AND V.M. GLANZMAN -- FY 1982 REPORT.	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL AND GEOPHYSICAL STUDIES INCLUDING STRATIGRAPHY, FRACTURE DATA, MAGNETIC, GRAVITY, AND PHYSICAL PROPERTIES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
GS930408314211.012	SEARCH FOR POTENTIAL SITES, BY G.L. DIXON AND V.M. GLANZMAN -- FY 1980 REPORT	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL AND GEOPHYSICAL STUDIES INCLUDING MAGNETIC, GRAVITY, LOG DATA AND CORE ANALYSIS (USW G-1).	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
GS930508314211.013	SEARCH FOR POTENTIAL SITES, BY G.L. DIXON AND V.M. GLANZMAN -- FY 1981 REPORT.	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL AND GEOPHYSICAL STUDIES INCLUDING STRATIGRAPHIC, PETROGRAPHIC, PALEOMAGNETIC, ELECTROMAGNETIC, SEISMIC, GRAVITY AND TEMPERATURE STUDIES/LOGS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
GS930508314211.014	INVENTORY OF CLAY-RICH BEDROCK AND METAMORPHIC DERIVATIVES IN EASTERN NEVADA, EXCLUDING THE NEVADA TEST SITE, BY H.E. SIMPSON, J.W. WEIR, JR., AND L.A. WOODWARD	01/01/78-01/01/79	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED WORK.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930508314211.015	GEOLOGIC MAP OF BARE MOUNTAIN, NYE COUNTY, NEVADA, BY SUSAN A. MONSEN, MICHAEL D. CARR, MARITH C. REHEIS, AND P.P. ORKILD  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/89-01/01/90	REPORT CONTAINS STRATIGRAPHIC DESCRIPTIONS SUPPORTED BY ISOTOPICALLY DATED SAMPLES.	D N P
GS930508314211.016	COMPUTER-ASSISTED STRATIGRAPHIC SYNTHESIS: A PROGRESS REPORT, APRIL 23, 1993, BY R.W. SPF'GLER, W.C. HUNTER, AND D.C. BUESCH.  ACQN/DEVL LOCATION : USGS, DENVER, CO	04/12/93-04/23/93	CONSTRUCTION OF DEMONSTRATION MODEL WAS BASED ON INTEGRATION OF SEVERAL SOURCES OF DATA FROM BOREHOLES, SURFACE GEOLOGY, TOPOGRAPHIC D.T.A, AND PRIMARY, SECONDARY, AND TERTIARY CROSS SECTIONS. DATA WERE SYNTHESIZED INTO DIGITIZED DATA FILES FOR USE WITH LYNX GEOSYSTEMS SOFTWARE.	D N P
GS930508314211.017	STOP 1: TIMBER MOUNTAIN CALDERA, BY F.M. BYERS, JR., W.J. CARR, AND P.P. ORKILD  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-04/18/89	AUTHORS' VISUAL DESCRIPTIONS, INTERPRETATIONS AND SUMMARIES OF PREVIOUSLY PUBLISHED REPORTS.	D N P
GS930508314211.018	STOP 9: TYPE SECTION OF THE CRATER FLAT TUFF, BY W.J. CARR AND F.M. BYERS, JR.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-04/18/89	AUTHORS' VISUAL DESCRIPTIONS, INTERPRETATIONS AND SUMMARIES OF PREVIOUSLY PUBLISHED REPORTS.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930508314211.019	STOP 11: GEOLOGIC FEATURES AT FRANK RIDGE, BY R.W. SPENGLER AND W.R. PAGE  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-04/18/89	AUTHORS' VISUAL DESCRIPTIONS, SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS.	D N P
GS930508314211.020	STOP 8: SPRING DEPOSITS OF THE NORTHERN AMARGOSA DESERT, BY WC SWADLEY  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-04/18/89	AUTHOR'S VISUAL DESCRIPTIONS, SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS.	D N P
GS930508314211.021	STOP 13A: OVERVIEW OF STRATIGRAPHY; STRUCTURE AND TECTONICS FROM THE CREST OF YUCCA MOUNTAIN, BY R.W. SPENGLER AND K.F. FOX, JR.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-04/18/89	AUTHORS' SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS.	D N P
GS930508314212.007	SEARCH FOR POTENTIAL SITES, BY G.L. DIXON AND D.B. HOOVER -- FY 1979 REPORT. (WAHMONIE FLAT, CALICO HILLS, YUCCA MOUNTAIN, SYNCLINE RIDGE)  ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS OF GEOLOGICAL AND GEOPHYSICAL STUDIES.	D N P
GS930608314211.003	GEOLOGIC MAP OF THE JACKASS FLATS AREA, NYE COUNTY, NEVADA, BY FLORIAN MALDONADO.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/81-12/29/81	AUTHOR'S INTERPRETATION AND COMPILATION OF NINE 7 1/2 MINUTE QUADRANGLES THAT WERE MAPPED BETWEEN 1961 AND 1965.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
35930608314211.022	POTENTIAL SITES FOR A SPENT UNREPROCESSED FUEL FACILITY (SURFF), SOUTHWESTERN PART OF THE NEVADA TEST SITE, BY D.L. HOOVER, EDWIN B. ECKEL, AND JANE P. OHL -- CHARACTERIZATION OF TOPOGRAPHY, GEOMORPHOLOGY, AND GEOLOGY OF JACKASS FLATS  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/77-01/01/78	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS.	D N P
35930708312232.020	LOGBOOKS AND OTHER DRILLING DATA FOR USW UZ-6.  ACQN/DEVL LOCATION : USW UZ-6	06/14/84-08/29/84	STANDARD USGS METHODS FOR CHRONOLOGICAL FIELD RECORD OF DRILLING, DRILL RATE CURVE, DIRECTIONAL SURVEY, MAGNETIC SUSCEPTIBILITY.	A W C
35930708314211.024	MAP SHOWING SURFICIAL GEOLOGY OF THE LATHROP WELLS QUADRANGLE, NYE COUNTY, NEVADA BY W C SWADLEY. SCALE OF 1:48,000.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/80-01/01/81	DESCRIPTION AND CHARACTERIZATION OF SURFICIAL DEPOSITS INCLUDING STREAM ALLUVIUM, ALLUVIAL FAN, EOLIAN, AND LACUSTRINE DEPOSITS THAT ARE SUBDIVIDED BY AGE, LITHOLOGY, AND DEPOSITIONAL ENVIRONMENT. MAP SCALE IS 1:48,000.	D N P
35930708314211.025	GEOLOGIC MAP OF THE NORTHWEST QUARTER OF THE BULLFROG 15-MINUTE QUADRANGLE, NYE COUNTY, NEVADA, BY FLORIAN MALDONADO.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/85-04/09/86	COMPILATION OF GEOLOGIC DATA AND ALLUVIAL DEPOSITS MAPPED ON AERIAL PHOTOS COMBINED WITH PREVIOUSLY PUBLISHED DATA AT A SCALE OF 1:24,000.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930008314211.026	GEOLOGIC MAP OF THE NORTHEAST QUARTER OF THE BULLFROG 15-MINUTE QUADRANGLE, NYE COUNTY, NEVADA, BY FLORIAN MALDONADO AND BRIAN P. HAUSBACK.	01/01/88-02/22/89	AUTHORS' COMPILATION AND INTERPRETATION OF 1) GEOLOGY MAPPED ON AERIAL PHOTOS, 2) ALLUVIAL DEPOSITS PLOTTED ON PHOTOGRAPHS, AND 3) PREVIOUSLY PUBLISHED DATA.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.4.2.1.2				
GS900508314212.001	INTERPRETED RESISTIVITY AND IP SECTION LINE W1 WAHMONIE AREA, NEVADA TEST SITE, NEVADA. THIS REPORT, BY CHRISTIAN SMITH, HOWARD P. ROSS & RONALD EDQUIST, DISCUSSES WORK DONE AT THE PROPOSED WAHMONIE SITE AND PROVIDES THE PRINCIPAL GEOPHYSICAL BASIS ON WHICH AN ASSESSMENT OF POTENTIAL MINERALIZATION WAS MADE.	10/01/79-10/31/79	USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS				
GS900008314212.003	PRELIMINARY GRAVITY INVESTIGATIONS OF THE WAHMONIE SITE, NEVADA TEST SITE, NYE COUNTY, NEVADA, BY D.A. PONCE.	01/01/79-12/31/80	USGS STANDARD METHODS	D N C
ACQN/DEVL LOCATION : USGS WAHMONIE SITE				
GS900908314212.004	PRELIMINARY APPRAISAL OF GRAVITY AND MAGNETIC DATA AT SYNCLINE RIDGE, WESTERN YUCCA FLATS, NTS, NYE COUNTY, NEVADA, BY D.A. PONCE AND W. HANNA - PART OF AN INVESTIGATION OF ARGILLITE ROCKS OF THE ELEANA FORMATION	01/01/79-12/31/81	GRAVITY AND MAGNETIC STUDY (USGS STANDARD METHODS)	D N C
ACQN/DEVL LOCATION : SYNCLINE RIDGE, WESTERN YUCCA FLAT, NTS USGS				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	A	FVL METHOD	
**GS900908314212.005	RESISTIVITY SOUNDING INVESTIGATION BY THE SCHLUMBERGER METHOD IN THE YUCCA MOUNTAIN AND JACKASS FLATS AREA, NEVADA TEST SITE, NEVADA, BY, R.M. SENTERFIT, M.P. CHORNACK, AND D.B. HOOVER	01/01/82-12/31/82		SCHLUMBERGER ARRAY. FIELD DATA WERE INTERPRETED IN TERMS OF ROCK LAYER RESISTIVITY AND THICKNESS BY COMPUTER METHODS (ZOHDY, 1973), AND CROSS-SECTIONS WERE CONSTRUCTED TO ILLUSTRATE LATERAL RESISTIVITY VARIATIONS WITHIN THE NEAR-SURFACE ROCK. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO					
GS900909314212.006	GEOLOGICAL AND GEOPHYSICAL EVIDENCE OF STRUCTURES IN NORTHWEST-TRENDING WASHES, YUCCA MOUNTAIN, SOUTHERN NEVADA, AND THEIR POSSIBLE SIGNIFICANCE TO A NUCLEAR WASTE REPOSITORY IN THE UNSATURATED ZONE, BY R.B. SCOTT III, BATH, FLANIGAN, HOOVER, ROSENBAUM, AND SPENGLER	01/01/84-12/31/84		USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : DRILL HOLE WASH FAGANY WASH SEVER WASH TEACUP WASH USGS YUCCA WASH					
**GS900908314212.009	INTERPRETATION OF TIME-DOMAIN ELECTROMAGNETIC SOUNDINGS IN THE CALICO HILLS AREA, NEVADA TEST SITE, NEVADA, BY JAMES KAUAHIKAWA.	01/01/80-04/01/81		USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO					

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SS900908314212.009	MAGNETOMETRIC RESISTIVITY SURVEY NEAR FORTY-MILE WASH, NEVADA TEST SITE, NEVADA, BY D.V. FITTERMAN. THIS REPORT DESCRIBES THE RESULTS OF THE SURVEY.  ACQN/DEVL LOCATION : FORTY-MILE WASH, NTS USGS	06/01/80-06/30/80	USGS STANDARD TEST METHODS.	D N C
SS900908314212.010	REMOTE-REFERENCE MAGNETOTELLURIC SURVEY, NEVADA TEST SITE AND VICINITY, NEVADA AND CALIFORNIA, BY ROBERT B. FURGERSON.  ACQN/DEVL LOCATION : STATION 11 STATION 12 STATION 13 STATION 14 STATION 16 STATION 17 STATION 18 STATION 19 STATION 20 STATION 21 STATION 22 STATION 23 STATION 24 STATION 25 STATION 26 STATION 27 USGS	01/01/81-12/31/81	MAGNETOTELLURIC SURVEY.	D N C

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SS900908314212.011	ELECTRICAL STUDIES AT THE PROPOSED WAHMONIE AND CALICO HILLS NUCLEAR WASTE SITES, NEVADA TEST SITE, NYE COUNTY, NEVADA, BY D.B. HOOVER, M.P. CHORNACK & M.M. BROKER. CHARACTERIZATION OF THE GEOELECTRICAL SECTION.  ACQN/DEVL LOCATION : USGS WAHMONIE AND CALICO HILLS SITES, NTS	01/01/78-12/31/78	USGS STANDARD METHODS. SUMMARIZING RESULTS OF SCHLUMBERGER VES, INDUCED POLARIZATION DIPOLE-DIPOLE TRAVERSES AND MAGNETOTELLURIC SOUNDINGS MADE IN THE VICINITY OF THE SITES.	D N C
SS900908314212.012	MAGNETIC PROPERTIES OF DRILL CORE AND SURFACE SAMPLES FROM THE CALICO HILLS AREA, NYE COUNTY, NEVADA, BY M.J. BALDWIN & C.E. JOHNSON.  ACQN/DEVL LOCATION : CALICO HILLS SITE, NTS USGS	01/01/78-12/31/78	USGS STANDARD METHODS.	D N P
SS900908314212.013	INTERPRETATIONS OF MAGNETIC ANOMALIES AT A POTENTIAL REPOSITORY SITE LOCATED IN THE YUCCA MOUNTAIN AREA, NEVADA TEST SITE, BY G.D. BATH & C.E. JAHREN.  ACQN/DEVL LOCATION : USGS YUCCA MOUNTAIN ,NTS	01/01/78-12/31/82	USGS STANDARD METHODS.	D N C
SS900908314212.014	E-FIELD RATIO TELLURIC TRAVERSES NEAR FORTY-MILE WASH, NEVADA TEST SITE, NEVADA, BY D.B. HOOVER, M.P. CHORNACK, AND M.M. BROKER.  ACQN/DEVL LOCATION : FORTY-MILE WASH, NTS USGS	01/01/82-12/31/82	E-FIELD RATIO TELLURIC, AN ELECTRIC EXPLORATION TECHNIQUE.	D N C



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS900908314212.015	A RESISTIVITY SOUNDING INVESTIGATION BY THE SCHLUMBERGER METHOD IN THE SYNCLINE RIDGE AREA OF THE NEVADA TEST SITE, NEVADA, BY L.A. ANDERSON, J.J. BISDORF, AND D.R. SCHOENTHALEK.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/79-01/01/80	INTERPRETATION OF SCHLUMBERGER RESISTIVITY SURVEY. USGS STANDARD METHODS. THE INTENT OF THE SURVEY WAS TO DETERMINE THE HORIZONTAL CONTINUITY AND THICKNESS OF UNIT J OF THE ELEANA FORMATION.	D N P
GS900908314212.016	INTERPRETATION OF RESISTIVITY AND INDUCED POLARIZATION PROFILES WITH SEVERE TOPOGRAPHIC EFFECTS, YUCCA MOUNTAIN AREA, NEVADA TEST SITE, NEVADA, BY CHRISTIAN SMITH & H.P. ROSS.  ACQN/DEVL LOCATION : USGS	01/01/65-12/31/79	USGS STANDARD TEST METHODS.	D N P
GS920508314212.001	GRAVITY DATA . THIS FIELD DATA SET CONSISTS OF THE OBSERVED GRAVITY VALUES, TERRAIN CORRECTIONS, ELEVATION CONTROLS, CALIBRATION DATA, LOCATION DATA AND DATA RELATED TO SEISMIC REFLECTION TESTING.  ACQN/DEVL LOCATION : 36 37'05"N 115 52'05"W ; 37 22'05"N 116 37'05"W	02/14/78-03/19/86	GRAVITY DATA WAS COLLECTED USING LACOSTE AND ROMBERG METERS D-26, G161, G177, AND G614. GRAVITY STATIONS WERE TIED TO BASE STATIONS IN MERCURY OR BEATTY, NV. OR STATIONS IN THE SYNCLINE RIDGE AREA. STATION ELEVATIONS WERE CONTROLLED BY BENCHMARKS, POINTS SURVEYED WITH A HEWLETT-PACKARD ELECTRONIC DISTANCE MEASURING DEVICE, OR PHOTOGRAMETRIC SPOT ELEVATIONS. TERRAIN CORRECTIONS CONSIST OF THE INNERMOST (FIELD), THE INNER-ZONE (MANUAL), AND THE OUTER-ZONE TERRAIN CORRECTIONS.	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
GS920508314212.002	MAGNETIC DATA (GROUND) GATHERED ALONG SIX PROFILES (LINES PA, PB, PD, PE, PF, AND PL) ACROSS FORTYMILE WASH, NEVADA TEST SITE, NEVADA.	01/16/81-04/08/82	DATA WAS COLLECTED WITH THE SENSOR AT 2.4M A N P (8FT.) ABOVE THE SURFACE. A GEOMETRICS PORTABLE PROTON RECESSION MAGNETOMETER MODEL G-816 AND BASE STATION MAGNETOMETER G-826A WERE USED. A BASE STATION WAS REQUIRED TO MAKE CORRECTIONS FOR DIURNAL TIME VARIATIONS OF THE EARTH'S MAGNETIC FIELD. THE BASE STATION WAS LOCATED NEAR WELL J-13 AND READINGS WERE TAKEN AT TWO MINUTE INTERVALS OR LESS. MAGNETIC OBSERVATIONS ARE ACCURATE TO ABOUT 1 NT.
ACQN/DEVL LOCATION : 36 37' 30"N 116 15'00"W ; 37 00'00"N 116 30'00"W			
GS920508314212.003	DENSITY DATA FROM SAMPLES COLLECTED AROUND THE FORTYMILE WASH AND WAHMONIE FLATS AREA OF THE NEVADA TEST SITE, NEVADA.	03/19/80-11/02/82	DENSITIES WERE DETERMINED BY WEIGHING THE A N P SAMPLE IN AIR, THEN WEIGHING THE SAMPLES SUBMERGED IN WATER USING AN ELECTRONIC BALANCE EQUIPPED WITH A STIRRUP AND SUSPENDING THE SAMPLE BY A WIRE. GRAIN DENSITY WAS CALCULATED FROM THE DIFFERENCE OF THE TWO WEIGHINGS, USING ARCHIMEDES' PRINCIPLE.
ACQN/DEVL LOCATION : FORTYMILE WASH WAHMONIE FLATS			
GS920508314212.004	FORTYMILE WASH GRAVITY AND MAGNETIC DATA AND DENSITY DATA, NEVADA TEST SITE, NEVADA.	01/01/58-05/29/87	THIS IS A SELECTION OF GRAVITY, MAGNETIC, D N P AND DENSITY DATA FROM THE FORTYMILE WASH AREA OF THE NEVADA TEST SITE. THIS SUBSET OF DATA WAS EXTRACTED FROM DATA PREVIOUSLY DOCUMENTED ON ACQUIRED AND DEVELOPED DATA TDIFS.
ACQN/DEVL LOCATION : USGS			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920508314212.005	PRINCIPAL FACTS FOR ABOUT 16,000 GRAVITY STATIONS IN THE NEVADA TEST SITE AND VICINITY, BY R. HARRIS, D. PONCE, D. HEALY, AND H. OLIVER. TABLES INCLUDE: STATION NAME, LATITUDE, LONGITUDE, ELEVATION, OBSERVED GRAVITY, FREE-AIR ANOMALY, INNER ZONE TERRAIN CORRECTION, COMPLETE BOUGUER ANOMALY, ISOSTATIC RESIDUAL ANOMALY, AND THE DATE THE STATION WAS OCCUPIED. (VOL. B IS PRINTED GRAVITY DATA TABLES, C IS ON DISKETTE.)	01/01/58-05/29/87	ALL GRAVITY DATA WERE REDUCED USING STANDARD GRAVITY CORRECTIONS, INCLUDING: EARTH-TIDE CORRECTION; INSTRUMENT DRIFT CORRECTION; LATITUDE CORRECTION; FREE-AIR CORRECTION; BOUGUER CORRECTION; CURVATURE CORRECTION; TERRAIN CORRECTION; AND ISOSTATIC CORRECTION. FURTHER INFORMATION ON THE GRAVITY DATA REDUCTION METHODS CAN BE FOUND ON PG. 5, VOL. A OF THIS REPORT.	D N P
ACQN/DEVL LOCATION : 36 35'05"N 115 52'05"W ;37 22'05"N 116 37'05"W				
GS920508314212.006	GRAVITY AND MAGNETIC DATA OF FORTYMILE WASH, NEVADA TEST SITE, NEVADA.	10/01/81-05/26/92	THE INTERPRETATIONS CONTAINED IN THE PUBLICATION WERE BASED ON THE AUTHOR'S COMBINED EDUCATION AND WORK EXPERIENCE.	D N P
ACQN/DEVL LOCATION : USGS				
GS920608314212.006	USGS OFR 89-446, PRELIMINARY AEROMAGNETIC MAP OF THE NEVADA TEST SITE AND VICINITY, NEVADA. THIS IS A MERGED AEROMAGNETIC MAP OF THE NTS AND VICINITY PREPARED FROM EIGHT SEPARATE AEROMAGNETIC SURVEYS.	01/01/60-12/31/80	THE EIGHT AEROMAGNETIC SURVEY DATA SETS WERE COMPILED AND MERGED BY KUCKS AND HILDEBRAND (1987) AS PART OF A STATEWIDE AEROMAGNETIC MAP OF NEVADA (HILDEBRAND AND KUCKS, 1988). DURING PROCESSING EACH DATA SET WAS GRIDDED AT A 1-KM INTERVAL, AND A GEOMAGNETIC REFERENCE FIELD WAS REMOVED. PRIOR TO MERGING, EACH GRID WAS EITHER UPWARD OR DOWNWARD CONTINUED TO 1000 FT. ABOVE THE GROUND AND DATUM SHIFTS WERE APPLIED, WHERE NECESSARY, TO ACHIEVE AN OVERALL CONSTANT DATUM.	A N P
ACQN/DEVL LOCATION : 36 37'30"N 115 52'30"W ;37 22'30"N 116 37'30"W				

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GS920608314212.009	GROUND MAGNETIC DATA - GATHERED ALONG TRAVERSES SOUTH OF ARMAGOSA VALLEY (FORMALLY LATHROP WELLS), NEVADA. <E-W LATHROP, N-S CRATER FLAT, LATHROP WELLS N-S>  ACQN/DEVL LOCATION : 36 30'00"N 116 15'00"W ;36 40'00"N 116 30'00"W	03/15/86-03/19/86	MAGNETIC DATA WERE ACQUIRED UNDER PROCEDURE DESCRIBED IN GPP 11	A N P
GS921008314212.010	GRAVITY PROFILES WITHIN MIDWAY VALLEY AND YUCCA WASH, NEVADA TEST SITE, NEVADA.  ACQN/DEVL LOCATION : 36 48'N 116 23'W ;36 55'N 116 29'W	07/22/92-09/23/92	GPP-01,R2, GRAVITY METHODS	A Y P
GS921008314212.011	MAGNETIC PROFILES WITHIN MIDWAY VALLEY AND YUCCA WASH, NEVADA TEST SITE, NEVADA.  ACQN/DEVL LOCATION : 36 48'N 116 23'W ;36 55'N 116 29'W	07/22/92-09/23/92	GPP-11,R2, MAGNETIC METHODS	A Y P
GS921108314212.013	GEOPHYSICAL INVESTIGATIONS OF BURIED VOLCANIC CENTERS NEAR YUCCA MOUNTAIN, SOUTHWESTERN NEVADA, BY V.E. LANGENHEIM, H.W. OLIVER, AND K. KIRCHOFF-STEIN  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	03/15/86-12/15/89	PLOTTED GRAVITY DATA AND EVALUATED SOURCE; PLOTTED MAGNETIC DATA AND MODELED, MAKING SOME ASSUMPTIONS ABOUT SOURCE. COMPARED GRAVITY/MAGNETIC DATA USING STANDARD SCIENTIFIC PRACTICE.	D N P

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GS921008314212.015	GEOPHYSICAL INVESTIGATIONS OF CONCEALED FAULTS NEAR YUCCA MOUNTAIN, SOUTHWEST NEVADA, BY D.A. PONCE  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	10/01/92-12/21/92	INTERPRETATIONS OF GRAVITY AND MAGNETIC PROFILES BASED ON THE AUTHOR'S COMBINED EDUCATION AND EXPERIENCE.	D Y P
GS930108314212.001	SEISMIC REFLECTION PROFILING: ESSENTIAL GEOPHYSICAL DATA FOR YUCCA MOUNTAIN, NEVADA, BY W.C. HUNTER, R.W. SPENGLER AND T.M. BROCHER.  ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, MENLO PARK, CA	11/01/92-01/11/93	SUMMARY DESCRIPTION OF SEISMIC INVESTIGATIONS WHICH ARE MORE FULLY PRESENTED IN THE SOURCE DATA. (THE REPORT IS INTENDED TO DESCRIBE A PLANNED SEISMIC ACQUISITION PROGRAM.)	D N P
GS940108314212.002	STRUCTURE OF CRATER FLAT AND YUCCA MOUNTAIN, SOUTHEASTERN NEVADA, AS INFERRED FROM GRAVITY DATA, BY H.W. OLIVER AND K.F. FOX.  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	10/01/92-01/15/93	THIS MODEL WAS DEVELOPED USING EXISTING ISOSTATIC GRAVITY MAP DATA ACQUIRED IN THE VICINITY OF YUCCA MOUNTAIN AND CRATER FLAT.	D Y P
**GS930108314212.003	ISOSTATIC GRAVITY MAP OF THE NEVADA TEST SITE AND VICINITY, NEVADA, BY D.A. PONCE, R.N. HARRIS, AND H.W. OLIVER.  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/88-11/08/88	MAP DEVELOPED USING ISOSTATIC GRAVITY DATA ACQUIRED AT MORE THAN 15,000 GRAVITY STATIONS.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930408314212.004	STATUS OF DATA, MAJOR RESULTS, AND PLANS FOR GEOPHYSICAL ACTIVITIES, YUCCA MOUNTAIN PROJECT, EDITED BY H.W. OLIVER, E.L. HARDIN AND P.H. NELSON.	10/01/88-03/19/90	DISCUSSION OF SURVEY COVERAGE, DATA QUALITY, AND APPLICABILITY OF RESULTS TO SITE CHARACTERIZATION, INCLUDING SUMMARIES OF RESULTS OF SEISMIC EXPLORATION, POTENTIAL FIELD METHODS, GEOELECTRICAL METHODS, TELESEISMIC DATA COLLECTION AND VELOCITY STRUCTURAL MODELING, AND REMOTE SENSING.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930408314211.011	SEARCH FOR POTENTIAL SITES BY G.L. DIXON AND V.M. GLANZMAN -- FY 1982 REPORT.	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL AND GEOPHYSICAL STUDIES INCLUDING STRATIGRAPHY, FRACTURE DATA, MAGNETIC, GRAVITY, AND PHYSICAL PROPERTIES.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO.				
GS930408314211.012	SEARCH FOR POTENTIAL SITES, BY G.L. DIXON AND V.M. GLANZMAN -- FY 1980 REPORT	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL AND GEOPHYSICAL STUDIES INCLUDING MAGNETIC, GRAVITY, LOG DATA AND CORE ANALYSIS (USW G-1).	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO.				
GS930408314212.006	PRELIMINARY RESULTS OF ABSOLUTE AND HIGH-PRECISION GRAVITY MEASUREMENTS AT THE NEVADA TEST SITE AND VICINITY, NEVADA, BY M.A. ZUMBERGE, R.N. HARRIS, H.W. OLIVER, G.S. SASAGAWA, AND D.A. PONCE.	01/01/87-03/15/88	ABSOLUTE GRAVITY SURVEY OBTAINED USING IGPP ABSOLUTE GRAVITY METER MEASURING ACCELERATION BY TRACKING A FREELY FALLING BODY WITH A LASER INTERFEROMETER. ANALYSIS USING QUADRATIC LEAST SQUARES TO YIELD ACCELERATION DUE TO GRAVITY. HIGH PRECISION GRAVITY SURVEYS MADE TO COMPARE DIFFERENCES AMONG ABSOLUTE READINGS WITH LACOSTE AND ROMBERG GRAVITY METERS EMPLOYING LEAST SQUARES METHOD.	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	
JS930508314211.013	SEARCH FOR POTENTIAL SITES, BY G.L. DIXON AND V.M. GLANZMAN -- FY 1981 REPORT.	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL AND GEOPHYSICAL STUDIES INCLUDING STRATIGRAPHIC, PETROGRAPHIC, PALEOMAGNETIC, ELECTROMAGNETIC, SEISMIC, GRAVITY AND TEMPERATURE STUDIES/LOGS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
JS930508314212.001	SEARCH FOR POTENTIAL SITES, BY G.L. DIXON AND D.B. HOOVER -- FY 1979 REPORT. (WAHMONIE FLAT, CALICO HILLS, YUCCA MOUNTAIN, SYNCLINE RIDGE)	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS OF GEOLOGICAL AND GEOPHYSICAL STUDIES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
JS930608314212.008	A SLINGRAM SURVEY ON THE NEVADA TEST SITE - PART OF INTEGRATED GEOLOGIC-GEOPHYSICAL STUDY OF SITE EVALUATION FOR NUCLEAR WASTE DISPOSAL, BY VINCENT J. FLANIGAN	01/01/78-01/01/79	CONTOUR MAPS OF SLINGRAM RESPONSE WERE PRODUCED FOR TWO DIFFERENT FREQUENCIES. SELECTED DATA WERE TREATED BY QUANTITATIVE INTERPRETATION PROCEDURES TO DEVELOP A LAYERED EARTH MODEL.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.4.2.1.3				
GS900908314212.007	A SCHLUMBERGER RESISTIVITY SURVEY OF THE AMARGOSA DESERT, SOUTHERN NEVADA, BY M.R. GREENHAUS AND C.J. ZAPLOCKI. GEOELECTRIC SURVEY INTENDED TO DEFINE BASEMENT STRUCTURE AND BASIN-FILL CHARACTERISTICS WHICH MAY OR MAY NOT BE INFLUENCING THE HYDROLOGICAL SYSTEMS OF THE REGION.	01/01/78-12/31/80	SCHLUMBERGER RESISTIVITY SURVEY (136 SOUNDINGS)	D N C
ACQN/DEVL LOCATION : USGS				
**GS900908314213.001	BOREHOLE GEOPHYSICAL MEASUREMENTS FOR HOLE UE25A-3 (UE-25A #3), NEVADA TEST SITE, NUCLEAR WASTE ISOLATION PROGRAM, BY J.J. DANIELS AND J.H. SCOTT.	01/01/79-01/01/80	USGS STANDARD COLLECTION METHODS. WELL LOG MEASUREMENTS INCLUDE DUAL-DETECTOR DENSITY, NORMAL RESISTIVITY, GAMMA-RAY, NEUTRON-NEUTRON, INDUCED POLARIZATION, AND MAGNETIC SUSCEPTIBILITY AND ANALYZED FOR CORRELATIONS WITH CORE LITHOLOGY.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS900908314213.002	PRELIMINARY INTERPRETATIONS OF GEOLOGIC RESULTS OBTAINED FROM BOREHOLES UE25A-4, -5, 06, AND -7, YUCCA MOUNTAIN, NEVADA TEST SITE, BY R.W. SPENGLER & J.G. ROSENBAUM.	06/01/79-06/30/79	USGS STANDARD COLLECTION METHODS.	D N C
ACQN/DEVL LOCATION : UE25A-4 UE25A-5 UE25A-6 UE25A-7 USGS, DENVER				



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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
US900908314213.003	INTERPRETATION OF HOLE-TO-SURFACE RESISTIVITY MEASUREMENTS AT YUCCA MOUNTAIN, NEVADA TEST SITE, BY J.J. DANIELS & J.H. SCOTT.	01/01/81-12/31/81	HOLE-TO-SURFACE MEASUREMENTS FROM DRILL HOLES UE-25A #1, #4, #5, AND #6, AND CONTOUR MAPS OF THESE DATA SHOWING DISTRIBUTION OF ELECTRICAL FIELD. USGS STANDARD TEST METHODS. PROCEDURES FOR GATHERING, REDUCING AND INTERPRETING HOLE-TO-SURFACE RESISTIVITY DATA ARE ILLUSTRATED IN THIS REPORT.	D N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
US900908314213.005	COMMERCIAL GEOPHYSICAL WELL LOGS FROM THE USW G-1 DRILL HOLE, NEVADA TEST SITE, BY D.C. MULLER & J.E. KIBLER	03/16/80-09/14/80	USGS STANDARD METHODS.	D N C
	ACQN/DEVL LOCATION : USGS USW G-1			
US900908314213.006	RADIOELEMENT DISTRIBUTION IN DRILL HOLE USW-G1, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY BUSH, BUNKER, AND SPENGLER	01/01/80-12/31/80	USGS STANDARD METHODS. RADIO-ELEMENTS CONTENTS OF CORE SAMPLES MEASURED TO CHARACTERIZE GEOLOGIC UNITS PENETRATED BY THE HOLE. (SOME SAMPLES WERE COLLECTED TO DETERMINE EFFECTS OF WELDING & ALTERATION.)	D N P
	ACQN/DEVL LOCATION : USGS USW G-1			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS900908314213.007	BOREHOLE GRAVITY METER SURVEYS IN DRILL HOLES USW G-3, UE-25P#1 (UE-25P #1) AND UE-25C#1 (UE-25C #1), YUCCA MOUNTAIN AREA, NEVADA, BY D.L. HEALEY, F.G. CLUTSOM, & D.A. GLOVER  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/84-07/30/84	USGS STANDARD METHODS.	D N C
**GS900908314213.008	BOREHOLE GRAVITY METER SURVEY IN DRILL HOLE USW G-4, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, BY D.L. HEALEY, F.G. CLUTSOM, & D.A. GLOVER.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/85-04/08/86	USGS STANDARD METHODS.	D N C
GS900908314213.009	INTERPRETATION OF GEOPHYSICAL WELL-LOG MEASUREMENTS IN DRILL-HOLE UE25A-1 (UE-25A #1), NEVADA TEST SITE, RADIOACTIVE WASTE PROGRAM, BY J.T. HAGSTRUM, J.J. DANIELS, AND J.H. SCOTT.  ACQN/DEVL LOCATION : USGS	01/01/80-12/31/80	INTERPRETATION OF PHYSICAL PROPERTIES FOR THE TUFF UNITS USING A COMPUTER PROGRAM DEVELOPED FOR COMPARISON OF MEASUREMENTS.	D N P
**GS900908314213.010	INTERPRETATION OF GEOPHYSICAL WELL-LOG MEASUREMENTS IN DRILL HOLES UE25A-4, -5, -6, -7, (UE-25A #4, #5, #6, #7), YUCCA MOUNTAIN, NEVADA TEST SITE, BY J.T. DANIELS, J.H. SCOTT, AND J.T. HAGSTRUM.  ACQN/DEVL LOCATION : USGS, DENVER, CO	06/01/79-12/31/80	USGS STANDARD METHODS.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
82909 9314213.011	ANALYSIS OF THE MAGNETIC SUSCEPTABILITY WELL LOG IN DRILL HOLE UE25A-5 (UE-25A #5), YUCCA MOUNTAIN, NEVADA TEST SITE, BY J.T. HAGSTRUM, J.J. DANIELS, AND J.H. SCOTT	06/01/78-06/30/78	ANLYSIS UNDERTAKEN TO DETERMINE THE FACTOPS RESPONSIBLE FOR THE VARIATIONS IN MAGNETIC SUSCEPTIBILITY MEASUREMENTS FROM THE BOREHOLE.	D N P
ACQN/DEVL LOCATION : USGS				
82911008914213.009	RESULTS OF ROCK PROPERTY MEASUREMENTS MADE ON CORE SAMPLES FROM YUCCA MOUNTAIN BOREHOLES, NEVADA TEST SITE, NEVADA. PART 1. BOREHOLES UE25A-4, -5, -6, AND -7 (UE-25A #4, #5, #6, AND #7). PART 2 - BOREHOLE UE25P#1 (UE-25P #1), BY LENNART A. ANDERSON..	02/01/82-06/30/84	USGS STANDARD COLLECTION METHODS	A N C
ACQN/DEVL LOCATION : UE25A-4 UE25A-5 UE25A-6 UE25A-7 UE25P#1				
82911008914213.010	PERMEABILITY AND RELATED ROCK PROPERTIES OF CORE SAMPLES OBTAINED FROM THE YUCCA MOUNTAIN USW GU-3/G-3 AND USW G-4 BOREHOLES, NEVADA TEST SITE, NV.	01/01/84-03/31/86	USGS STANDARD COLLECTION METHODS	A N P
ACQN/DEVL LOCATION : USW G-3 USW G-4 USW GU-3				

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SS920108314213.001	GEOPHYSICAL LOGS AND CORE MEASUREMENTS FROM FORTY BOREHOLES AT YUCCA MOUNTAIN, BY PHILLIP H. NELSON, DOUGLAS C. MULLER, ULRICH SCHIMSCHAL, AND JOYCE KIBLER	01/01/78-12/31/84	USGS STANDARD COLLECTION METHODS
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UE-25A #7  
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UE-25WT #4  
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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920608314213.002	PHYSICAL PROPERTIES OF ASH FLOW TUFF FROM YUCCA MOUNTAIN, NEVADA, PUBLISHED REPORT BY PHILIP H. NELSON AND LENHART A. ANDERSON	03/01/91-02/10/92	AUTHORS CONFINED ATTENTION TO ELECTRICAL RESISTIVITY, SONIC VELOCITY, DENSITY, POROSITY, & PERMEABILITY, RELATING THEM TO MINERALOGICAL AND GEOLOGICAL DETERMINATIONS MADE BY OTHERS. AUTHORS RELY ON PETROPHYSICAL MODELS DEVELOPED FOR CLASTIC ROCKS TO BETTER UNDERSTAND HOW VARIATIONS IN POROSITY AND MINERALOGY ARE REFLECTED IN THE PHYSICAL PROPERTIES.	D N P
ACQN/DEVL LOCATION : USGS				
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 SCHIMMSCHAL.	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 Y P
ACQN/DEVL LOCATION : USGS, DENVER				
GS921208314213.004	ESTIMATION OF WATER-FILLED AND AIR-FILLED POROSITY IN THE UNSATURATED ZONE, YUCCA MOUNTAIN NEVADA, BY P.H. NELSON.	09/01/92-12/01/92	THE METHODS USED TO DEVELOP THIS REPORT WERE BASED ON THE AUTHOR'S EDUCATION AND WORK EXPERIENCE.	D N P
ACQN/DEVL LOCATION : USGS, DENVER				
GS930308318512.002	VOLCANO-TECTONIC HISTORY OF CRATER FLAT, SOUTHWESTERN NEVADA, AS SUGGESTED BY NEW EVIDENCE FROM DRILL HOLE USW-VH-1 (USW VH-1) AND VICINITY, BY W.J. CARR.	01/01/81-03/16/82	SUMMARIES AND INTERPRETATIONS OF THE DRILL-HOLE LOCATION, HISTORY, LITHOLOGIC LOG, AND STRATIGRAPHY; AND THE STRUCTURAL FRAMEWORK, AEROMAGNETIC ANOMALIES, AND VOLCANO-TECTONIC HISTORY OF CRATER FLAT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930408314213.006	ROCK PROPERTY ANALYSIS OF CORE SAMPLES FROM THE YUCCA MOUNTAIN UE25A-1 (UE-25A #1) BOREHOLE, NEVADA TEST SITE, BY L.A. ANDERSON.	01/01/81-09/21/81	COMPRESSIONAL VELOCITY DETERMINED USING METHOD OF ORERT, L. AND DUVALL, W.I., 1967, ROCK MECHANICS AND THE DESIGN OF STRUCTURES IN ROCK: JOHN WILEY AND SONS, INC., N.Y. DENSITY AND POROSITY DETERMINATION FOLLOWING PROCEDURE DESCRIBED BY JOHNSON, G.R., 1979, TEXTURAL PROPERTIES IN HUNT, G.R., AND OTHERS AND WATSON, K., INITIAL REPORT OF THE PETROPHYSICS LABORATORY; USGS CIRCULAR 789, PP. 67-74. NATURAL REMNANT MAGNETIZATION USING TECHNIQUE DESCRIBED BY WATSON, D.E., 1979, MAGNETIC PROPERTIES IN HUNT, OP.CIT.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930408314213.007	GEOLOGY AND LITHOLOGIC LOG FOR DRILL HOLE UE17A, NEVADA TEST SITE, BY J.N.HODSON AND D.L. HOOVER	01/01/78-01/01/79	CORE SAMPLES WERE STRATIGRAPHICALLY CORRELATED USING STANDARD USGS METHODS. CORE INDEX WAS CALCULATED TO MEASURE ROCK COMPETENCY. FRACTURE ANALYSIS IS DEPICTED IN ROSETTE DIAGRAMS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930408314213.008	GEOLOGY OF UE17E DRILL HOLE, AREA 17, NEVADA TEST SITE, BY J.N. HODSON AND D.L. HOOVER	01/01/78-01/01/79	CORE SAMPLES WERE STRATIGRAPHICALLY CORRELATED USING STANDARD USGS METHODS. CORE INDEX WAS CALCULATED TO MEASURE ROCK COMPETENCY. FRACTURE ANALYSIS IS DEPICTED IN ROSETTE DIAGRAMS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930709314213.001	PRELIMINARY GEOLOGIC AND GEOPHYSICAL DATA OF THE UE25A-3 (UE-25A #3) EXPLORATORY DRILL HOLE, NEVADA TEST SITE, NEVADA, BY FLORIAN MALDONADO, D.C. MULLER, AND J.N. MORRISON	01/01/78-01/01/79	CORE INDEX, FRACTURE FREQUENCY, AND FRACTURE DIPS WERE CALCULATED FOR ALL CORES. MATERIAL PROPERTIES CALCULATED INCLUDE AXIAL STRESS AT FAILURE, MODULES OF ELASTICITY, POISSON'S RATIO, AND BULK SHEAR MODULI. GEOPHYSICAL LOGS WERE RUN FOR GEOLOGIC CORRELATIONS AND LITHOLOGIC CHARACTERIZATIONS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930709314213.001	MAGNETIC SUSCEPTIBILITY (MS SI) AND MAGNETIC FIELD (TOTAL FIELD TM, HORIZONTAL FIELD HM, VERTICAL FIELD ZD) LOGS. SUSCEPTIBILITY REPORTED IN MICRO-SI UNITS, MAGNETIC FIELD COMPONENTS IN MICROTESLAS.	04/14/93-06/26/93	USGS TECHNICAL PROCEDURES GPP-15,R1 AND GPP-17,R1; MAGNETIC SUSCEPTIBILITY BOREHOLE LOGGING OPERATIONS AND MAGNETOMETER BOREHOLE LOGGING OPERATIONS.	A Y P
	ACQN/DEVL LOCATION : NRG-6 USW 02-16			
*GS930808314213.002	GEOPHYSICAL BOREHOLE LOGGING IN THE UNSATURATED ZONE, YUCCA MOUNTAIN, NEVADA BY ULRICH SCHIMSCHAL AND PHILIP NELSON.	01/23/90-11/29/90	THIS REPORT ILLUSTRATES THE RESULTS OF AN EXPLORATORY CALCULATION OF POROSITY AND WATER SATURATION BASED ON DENSITY AND EPITHERMAL NEUTRON LOGS IN ORDER TO MEET ONE OBJECTIVE OF THE LOGGING PROGRAM: TO DETERMINE THE DISTRIBUTION OF ROCK PROPERTIES WITHIN LITHOSTRATIGRAPHIC UNITS.	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 - 8.3.1.4.2.1.4				
GS900908314215.008	PRELIMINARY INTERPHETATION OF PALEOMAGNETIC AND MAGNETIC PROPERTY DATA FROM DRILL HOLES USW G-1, G-2, GU-3, AND VH-1 AND SURFACE LOCALITIES IN THE VICINITY OF YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY J.G. ROSENBAUM & D.B. SNYDER.	01/01/80-12/31/83	USGS STANDARD METHODS.	D N P
	ACQN/DEVL LOCATION : USGS USW G-1 USW G-2 USW GU-3 USW VH-1 YUCCA MOUNTAIN VICINITY			
GS930408314214.001	DISTRIBUTION OF RUBIDIUM, STRONTIUM, AND ZIRCONIUM IN TUFF FROM TWO DEEP COREHOLES (USW G-1 AND USW GU-3/G-3) AT YUCCA MOUNTAIN, NEVADA, BY RICHARD W. SPENGLER AND ZELL E. PETERMAN.	01/01/89-01/08/90	DATA OBTAINED BY ANALYZING BULK ROCK SAMPLES AND GAMMA-RAY SPECTROMETRIC METHODS. RB, SR, AND ZR CONCENTRATIONS ANALYZED BY EDXRF USING KEVEX 5100.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930508314214.002	DISTRIBUTION, CHARACTERIZATION, AND GENESIS OF MORDENITE IN MIOCENE SILICIC TUFFS AT YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY RICHARD A. SHEPPARD, ARTHUR J. GUDE, 3D., AND JOAN FITZPATRICK	01/01/86-09/11/86	RELATIVE ABUNDANCE OF MINERALS WERE VISUALLY ESTIMATED FROM THE DIFFRACTOMETER PATTERNS FOLLOWING PROCEDURE OF SHEPPARD, R.A., AND GUDE A.J., 3D., 1965, USGS PROFESSIONAL PAPER 597. PEAK POSITION AND CELL PARAMETERS WERE REFINED USING ALGORITHM OF APPELMA, D.E., AND EVANS, H.T., JR., 1973, NTIS DOCUMENT PB-216188. COMPLETE BIBLIOGRAPHIC CITATIONS ARE IN REPORT.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T Q D U L I A O F L C I A T F T Y I I P E O E D N
GS930508314214.003	GRAIN-SIZE DATA FROM FOUR CORES FROM WALKER LAKE, NEVADA, BY JAMES C. YOUNT AND MARY F. QUIMBY	01/01/88-07/11/88	GRAIN SIZE DISTRIBUTIONS DETERMINED BY PHOTO-EXTINCTION METHODS (SIMMONS, G., 1959, THE PHOTO-EXTINCTION METHOD FOR MEASURING SILT-SIZED PARTICLES: JOURNAL OF SEDIMENTARY PETROLOGY, V. 29) USING A HYDROPHOTOMETER. MEAN PARTICLE DIAMETER, PERCENT SAND, AND RATIO OF SILT TO CLAY WERE PLOTTED FOR DIFFERENT DEPTHS. CORES WERE COMPARED FOR TEXTURAL PROPERTIES USING PLOTS OF MEAN GRAIN SIZE, SORTING, AND SKEWNESS. HYDROPHOTOMETER METHOD VALIDATED BY COMPARISON TO PIPETTE METHODS OF FOLK, R.L., (1968, PETROLOGY OF SEDIMENTARY ROCKS) AND GALEHOUSE, J.S. (1971, SEDIMENTATION ANALYSIS, IN PROCEDURES IN SEDIMENTARY PETROLOGY). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
GS930508314214.004	COMPILATION OF MODAL ANALYSES OF VOLCANIC ROCKS FROM THE NEVADA TEST SITE AREA, NYE COUNTY, NEVADA, BY W.R. PAGE -- COMPUTERIZED DATA BASE OF PETROLOGICALLY ANALYZED VOLCANIC ROCK THIN SECTIONS.	01/01/89-01/26/90	MODAL PETROGRAPHIC DATA OF VOLCANIC ROCK SAMPLES ANALYZED BY THIN SECTION. DATA WAS RECORDED AND ENTERED INTO COMPUTERIZED DATABASE.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SC930508314214.005	CHEMICAL AND MINERALOGIC TRENDS WITHIN THE TIMBER MOUNTAIN-OASIS VALLEY CALDERA COMPLEX, NEVADA: EVIDENCE FOR MULTIPLE CYCLE EVOLUTION IN A LONG-LIVED SILICIC MAGMA SYSTEM, BY DAVID E. BROXTON, RICHARD G. WARREN, FRANK M. BYERS, AND ROBERT B. SCOTT	01/01/88-01/01/89	A COMBINATION OF WHOLE ROCK AND PUMICE SAMPLES WERE USED TO CHARACTERIZE CHEMISTRY OF MAGMAS. MAJOR AND MINOR ELEMENT ANALYSES MADE BY X-RAY FLUORESCENCE, ANALYSIS PROCEDURE OF VALENTINE, G., 1983, PROCEDURES FOR ANALYSIS OF SILICATE ROCKS AND MINERALS AT LOS ALAMOS NATIONAL LABORATORY BY X-RAY FLUORESCENCE, LANL REP., LA-9663. M.S. TRACE ELEMENT COMPOSITIONS WERE DETERMINED BY INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS. CHEMICAL COMPOSITION OF PHENOCRYSTS DETERMINED BY WAVELENGTH DISPERSIVE X-RAY ANALYSIS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
SC930908314214.007	BULK POROSITY IN LITHOPHYSAL ZONES ABOVE THE STATIC WATER LEVEL AT YUCCA MOUNTAIN, NEVADA, CALCULATED FROM BOREHOLE GRAVITY AND GAMMA-GAMMA DENSITY LOGS, BY D.C. MULLER AND R.W. SPENGLER.	01/01/89-10/02/89	SATURATED BULK DENSITY FROM CORES OBTAINED BELOW STATIC WATER LEVEL AND NATURAL STATE BULK DENSITY FROM CORES OBTAINED ABOVE STATIC WATER LEVEL ARE PLOTTED ALONG WITH DENSITY FROM THE DENSITY LOG. LITHOPHYSAL POROSITY ESTIMATES ARE OBTAINED USING A POINT COUNT METHOD (SPENGLER AND CHORNACK, 1984). COMPLETE BIBLIOGRAPHIC CITATIONS FOUND IN REPORT.	D F 2
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - B.3.1.4.2.1.5				
GS900908314215.008	PRELIMINARY INTERPRETATION OF PALEOMAGNETIC AND MAGNETIC PROPERTY DATA FROM DRILL HOLES USW G-1, G-2, GU-3, AND VH-1 AND SURFACE LOCALITIES IN THE VICINITY OF YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY J.G. ROSENBAUM & D.B. SNYDER.	01/01/80-12/31/83	USGS STANDARD METHODS.	D N P
	ACQN/DEVL LOCATION : USGS USW G-1 USW G-2 USW GU-3 USW VH-1 YUCCA MOUNTAIN VICINITY			
GS900908314215.009	GEOLOGY OF SYNCLINE RIDGE AREA RELATED TO NUCLEAR WASTE DISPOSAL, NEVADA TEST SITE, NYE COUNTY, NEVADA, BY U.L. HOOVER & J.N. MORRISON. INVESTIGATION OF ARGILLITE IN UNIT J (MISSISSIPPIAN) OF THE ELEANA FORMATION (DEVONIAN AND MISSISSIPPIAN) AS A POSSIBLE REPOSITORY SITE.	01/01/76-12/31/76	USGS STANDARD METHODS. DRILL HOLES, GEOPHYSICAL SURVEYS, MAPPING AND LABORATORY STUDIES WERE USED IN THIS INVESTIGATION.	D N C
	ACQN/DEVL LOCATION : USGS			
GS911108314215.009	MEASUREMENTS OF REMNANT MAGNETIZATION, RAW DATA.	01/01/79-01/01/89	USGS STANDARD COLLECTION METHODS.	A N C
	ACQN/DEVL LOCATION : 36 57'N 116 20'W			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920908314215.001	PRELIMINARY AEROMAGNETIC MAP OF THE NEVADA TEST SITE AND VICINITY, NEVADA BY K.S. KIRCHOFF-STEIN, D.A. PONCE, AND B.A. CHUCHEL  ACQN/DEVL LOCATION : USGS, MENLO PARK	01/01/88-05/09/89	COMPILATION AND MERGING OF DATA SETS FROM EIGHT SEPARATE AEROMAGNETIC SURVEYS AS NOTED IN DISCUSSION TEXT OF MAP.	D N P
GS930108314215.001	MAJOR RESULTS OF GRAVITY AND MAGNETIC STUDIES AT YUCCA MOUNTAIN, NEVADA, BY H.W. OLIVER, D.A. PONCE, AND R.F. SIKORA.  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/90-12/27/90	SUMMARIES OF MAJOR RESULTS FROM PREVIOUSLY PUBLISHED MAGNETIC AND GRAVITY DATA/INFORMATION.	D N P
GS930108314215.002	PALEOMAGNETIC CONSTRAINTS ON THE GEOMETRY AND TIMING OF DEFORMATION AT YUCCA MOUNTAIN, NEVADA BY J.G. ROSENBAUM, M.R. HUDSON, AND R.B. SCOTT.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/89-01/01/91	INTERPRETATION OF REMNANT MAGNETISM WHICH CONCLUDES THAT THE SOUTHERN TIP OF YUCCA MOUNTAIN WAS ROTATED IN A CLOCKWISE FASHION RELATIVE TO A NORTHERN YUCCA MOUNTAIN REFERENCE POINT AFTER EMPLACEMENT OF THE TIVA CANYON MEMBER OF THE PAINTBRUSH TUFF (13 MA)	D N P
GS930408314215.003	PALEOMAGNETIC ORIENTATION OF CORE FROM DRILL HOLE USW GU-3, YUCCA MOUNTAIN, NEVADA: TIVA CANYON MEMBER OF THE PAINTBRUSH TUFF, BY J.G. ROSENBAUM AND W.C. RIVERS.	01/01/84-01/10/85	REMANENCE DATA FOR PROGRESSIVELY DEMAGNETIZED CORE SAMPLES WERE PLOTTED ON MODIFIED ZIJDVERVELD DIAGRAMS (ZIJDVERVELD, J.D.A., 1967, ANALYSIS OF RESULTS, IN METHODS IN PALEOMAGNETISM, AND ROY, J.L. AND PARK, J.K., 1974, THE MAGNETIZATION PROCESS OF CERTAIN RED BEDS: VECTOR ANALYSIS OF CHEMICAL AND THERMAL RESULTS). FOR SAMPLES NOT PROGRESSIVELY DEMAGNETIZED, THE STABLE DIRECTION OF REMANENCE WAS TAKEN AS THAT GIVEN BY MEASUREMENT AFTER DEMAGNETIZATION AT 10MT. FOR DEMAGNETIZED SAMPLES, PALEOMAGNETIC DIRECTION WAS DETERMINED BY AVERAGING OF MEASUREMENTS AFTER DEMAGNETIZATION. COMPLETE BIBLIOGRAPHIC CITATIONS IN	D N C

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
				REPORT.
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930508314215.004	PALEOMAGNETIC DIRECTIONAL DISPERSION PRODUCED BY PLASTIC DEFORMATION IN A THICK MIOCENE WELDED TUFF, SOUTHERN NEVADA: IMPLICATIONS FOR WELDING TEMPERATURES, BY J.G. ROSENBAUM	01/01/85-12/30/85	ALTERNATING FIELD AND THERMAL DEMAGNETIZATION TECHNIQUES WERE USED IN ANALYZING THE REMANENT MAGNETIZATIONS WHICH WERE MEASURED WITH A SPINNER MAGNETOMETER. THERMAL DEMAGNETIZATION ACHIEVED IN A NONINDUCTIVELY WOUND FURNACE. MAGNETIC PHASES WERE IDENTIFIED USING THERMOMAGNETIC (J-T) ANALYSIS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.4.2.1.6				
GS930408314216.001	REINTERPRETATION OF THE BEATTY SCARP, NYE COUNTY, NEVADA, BY WC SWADLEY, J.C. YOUNT, AND S.T. HARDING.	01/11/85-11/19/85	INFERENCES ARE DRAWN FROM DATA OBTAINED BY D N P MAPPING, SCARP PROFILE MEASUREMENTS, TRENCH LOGGING, RADIOMETRIC DATING AND SEISMIC PROFILING.	
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
GS930508314216.002	INVENTORY OF GRANITIC MASSES IN THE STATE OF NEVADA, BY RICHARD W. SPENGLER, FLORIAN MALDONADO, J.E. WEIR, JR., W.F. HANNA, AND G.L. DIXON	01/01/78-01/01/79	PRELIMINARY INVENTORY OF EXPOSED GRANITIC MASSES SUMMARIZING GEOLOGIC, AEROMAGNETIC, HYDROLOGIC, AND SELECTED GEOGRAPHIC INFORMATION.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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Activity - 8.3.1.4.2.2

**7S900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				

SNSAND85081500.000	SAND85-0815: "PRELIMINARY VALIDATION OF GEOLOGY AT SITE FOR REPOSITORY SURFACE FACILITIES, YUCCA MOUNTAIN, NEVADA"	06/01/85-11/01/86	DATA USED IN THE REPORT WAS OBTAINED FROM BOREHOLES; UE-25 RF#3, UE-25 RF#3B, UE-25 RF#9, UE-25 RF#10, & UE-25 RF#11. SEE SNL SOURCE DATASETS MENTIONED IN COMMENT SECTION.	D N C
ACQN/DEVL LOCATION : SNL				

Activity - 8.3.1.4.2.2.1

GS900908314221.005	PHOTOGEOLOGIC STUDY OF SMALL-SCALE LINEAR FEATURES NEAR A POTENTIAL NUCLEAR-WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY C.K. THROCKMORTON	01/01/85-12/31/85	USGS STANDARD METHODS. LINEAR FEATURES WERE MAPPED FROM AERIAL PHOTOGRAPHS BY MEANS OF A KERN PG 2 STEREOPLOTTER. FRACTURE-TRACE BEARINGS AND FRACTURE-TRACE LENGTHS OF CERTAIN AREAS WERE RECORDED ON FIELD TRIPS.	D N C
ACQN/DEVL LOCATION : NORTHERN HALF OF YUCCA MOUNTAIN, NTS USGS				

## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I T Y P E D N
GS920608314221.001	STRUCTURAL ATTITUDES AND FIELD OBSERVATIONS, UPPER PAINTBRUSH CANYON, MAY 21-22 & JUNE 18, 1992  ACQN/DEVL LOCATION : 36 52'55"N 116 22'24"W	05/21/92-06/18/92	NWM -USGS GP-01,R2 GEOLOGIC MAPPING	A Y P
GS920708314221.002	FIELD OBSERVATIONS OF FRACTURES AND FIELD MEASUREMENTS OF ATTRIBUTES OF FRACTURES, 1/13/92 - 7/17/92, MAPS AT 1:240. GHOST DANCE FAULT, YUCCA MOUNTAIN, NEVADA  ACQN/DEVL LOCATION : N762600(N) E562000(N) ;N763400(N) E562600(N)	01/13/92-07/17/92	GP-01, GEOLOGIC MAPPING; AND GP-12, MAPPING FRACTURES OR PAVERMENTS, OUTCROPS, ALONG TRAVERSES.	A Y C
GS920708314221.003	GEOLOGIC MAPPING DATA FOR EAST OF BEATTY MOUNTAIN 7.5' QUADRANGLE, NORTHERN CRATER FLAT: 2 FIELD NOTEBOOKS, 4 ORTHOPHOTOS WITH COMPILED FIELD DATA, 4 COLOR MAPS ON TOPOGRAPHIC BASES, AND EXPLANATION OF MAP UNITS.  ACQN/DEVL LOCATION : 35 56'15"N 116 37'30"W ;37 00'00"N 116 33'45"W	04/04/92-06/02/92	TECHNICAL PROCEDURE GP-01,R2 GEOLOGIC MAPPING	A Y P
GS921008314221.005	GEOLOGIC MAPPING - UP PAINTBRUSH CANYON, MAPPING CALICO HILLS, THE PAINTBRUSH FAULT, AND THE DIVIDE BETWEEN BLACK GLASS CANYON & PAINTBRUSH CANYON.  ACQN/DEVL LOCATION : N773556 (N) E567083 (N) ;N796309 (N) E585378 (N)	09/22/92-09/30/92	GP-01,R2, GEOLOGIC MAPPING.	A Y P

# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TO IUL IAO F',C JA TFT YII PEO EDN
GS921008314221.006	FIELD OBSERVATIONS OF FRACTURES AND FIELD MEASUREMENTS OF ATTRIBUTES OF FRACTURES 7/18/92 - 9/30/92, MAPS AT 1:240, SOUTHERN PART OF GHOST DANCE FAULT, YUCCA MOUNTAIN, NEVADA	07/18/92-09/30/92	GP-01,R2, GEOLOGIC MAPPING; AND GP-12,R1, MAPPING FRACTURES ON PAVEMENTS, OUTCROPS AND ALONG TRAVERSES.	AYC
	ACQN/DEVL LOCATION : N762600(N) E562000(N) ;N763400(N) E562600(N)			
GS921208314221.007	GEOLOGIC MAPPING - REGULAR SEQUENCE OF OBSERVATIONS AT FIVE FOOT ALTITUDE INTERVALS	12/01/92-12/03/92	GP-01,R2, GEOLOGIC MAPPING	AYP
	ACQN/DEVL LOCATION : 36 53'30"N 116 23'30"W			
GS930108314221.001	STRUCTURAL CHARACTER OF THE GHOST DANCE FAULT, YUCCA MOUNTAIN, NEVADA, BY R.W. SPENGLER, C.A. BRAUN, R.M. LINDEN, L.G. MARTIN, D.M. ROSS-BROWN, AND R.L. BLACKBURN.	01/01/92-01/11/93	THIS REPORT WAS DEVELOPED BY INTERPRETING DETAILED STRUCTURAL MAPPING OF AN AREA THAT STRADDLES THE SURFACE OF THE GHOST DANCE FAULT. CONCLUSIONS WERE BASED ON OBSERVATIONS AND MAP ANALYSIS AT 1:240 AND 1:600 SCALES.	DYP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930108314221.004	X-RAY FLUORESCENCE VALUES ON MAJOR AND MINOR ELEMENTS; PAINTBUSH CANYON REFERENCE SECTION; UE-25A #1 AND UE-25B-1H (UE-25B #1).	08/01/90-11/30/90	SAMPLES WERE ANALYZED FOR X-RAY VALUES; STAFF WORKED TO TECHNICAL PROCEDURE GCP-12,R3, RB-SR ISOTOPE GEOCHEMISTRY.	ANP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T O D U L J A O F L C I A T F T Y I I P E O E D N
35330108314221.005	87SR/86SR STRONTIUM ISOTOPIC RATIO FOR OUT-CROP SAMPLES FROM RAVEN CANYON REFERENCE SECTION.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/92-12/31/92	THESE DATA WERE ACQUIRED PER TECHNICAL PROCEDURE GCP-12,R3, RB-SR ISOTOPE GEOCHEMISTRY.	A Y P
35330208314221.006	STRATIGRAPHIC AND STRUCTURAL FRAMEWORK OF YUCCA MOUNTAIN, NEVADA, BY R.W. SPENGLER AND K.F. FOX, JR.  ACQN/DEVL LOCATION : USGS, DENVER	01/01/88-12/31/89	COMPILATION OF STRATIGRAPHIC, LITHOLOGIC, MINERALOGICAL, AND STRUCTURAL DATA BASED ON NUMEROUS PUBLISHED PAPERS, AS WELL AS THE PERSONAL INVESTIGATIONS OF THE AUTHORS. DATA WERE OBTAINED USING STANDARD USGS METHODS FOR COLLECTING GEOLOGIC INFORMATION.	D N P
35330208314221.007	GEOLOGIC CHARACTER OF TUFFS IN THE UNSATURATED ZONE OF YUCCA MOUNTAIN, SOUTHERN NEVADA, BY B. SCOTT, R. SPENGLER, SHARON DIEHL, A.R. LAPPIN, AND M. CHORNACK.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/82-01/10/83	DESCRIPTIONS AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED AND UNPUBLISHED DATA/INFORMATION, INCLUDING THE PHYSICAL PROPERTY CRITERIA STRATIGRAPHY, STRUCTURAL FRAMEWORK, PHYSICAL PROPERTIES, AND REGIONAL HYDROLOGIC OBSERVATIONS, WHICH ARE USED TO CHARACTERIZE QUALITATIVELY THOSE ROCK-MASS PROPERTIES THAT MAY AFFECT THE HYDROLOGY OF THE UNSATURATED ZONE AT YUCCA MOUNTAIN.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930308314221.008	STRUCTURE OF PRE-CENOZOIC ROCKS IN THE VICINITY OF YUCCA MOUNTAIN, NEVADA - A POTENTIAL NUCLEAR-WASTE REPOSITORY, BY G.D. ROBINSON.	01/01/84-01/01/85	SUMMARIES AND PRELIMINARY INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA/INFORMATION FOR THE GROSS DISTRIBUTION AND PRESENT STRUCTURE OF PREVOLCANIC ROCKS IN THE YUCCA MOUNTAIN AREA INCLUDING: REGIONAL STRATIGRAPHY AND STRUCTURE OF PRE-CENOZOIC ROCKS, STRUCTURE OF PRE-CENOZOIC ROCKS OF THE YUCCA FLAT AREA, AND STRUCTURE OF THE PRE-CENOZOIC ROCKS OF THE YUCCA MOUNTAIN STUDY AREA.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930308314221.009	SUBSURFACE GEOLOGY ALONG EXCAVATION ALIGNMENTS OF THE PLANNED EXPLORATORY STUDIES FACILITY, CROSS SECTIONS, YUCCA MOUNTAIN, NEVADA	08/01/92-03/29/93	DATA WERE DEVELOPED USING STANDARD USGS PRACTICE FOR CROSS SECTIONS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.4.2.2.2				
**GS900908314222.001	FRACTURES IN OUTCROPS IN THE VICINITY OF DRILL HOLE USW G-4, YUCCA MOUNTAIN, NEVADA, DATA ANALYSIS AND COMPILATION, BY C.C. BARTON, W.R. PAGE, AND T.L. MORGAN.	01/01/84-01/20/89	USGS STANDARD METHODS, PLOTTING AND ANALYSIS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
AS910908314222.001	PAVEMENT 600 DATA CONSISTING OF THE FOLLOWING ITEMS: DRY MOUNTED, ENLARGED PHOTO OF PAVEMENT 600, ORIGINAL PAVEMENT MAP, DRAFTED MAP WITH FRACTURE LABELED, AND FIELD DATA SHEETS WITH FRACTURE DATA.  ACQN/DEVL LOCATION : 36 52'03"N 116 27'22W	02/20/86-02/28/86	DATA COLLECTED UNDER NWM-USGS-GP-12, R0.	A N P
AS910908314222.002	FRACTURE DATA FROM 41 UNCLEARED OUTCROPS STUDIED AT YUCCA MOUNTAIN AND FRAN RIDGE, INCLUDING 2 9X9 AERIAL PHOTOGRAPHS WITH PLOTTED STATION LOCALITIES; 2 GEOLOGIC MAPS (TOPOGRAPH SPRINGS NW AND SW) WITH PLOTTED LOCALITIES; COPY OF FIELD NOTES; COMPUTER PRINTOUT OF FORMATTED FIELD NOTES AND INTERPRETATIVE SUMMARIES FOR EACH STATION; LIST OF MEDIAN ORIENTATIONS AND CORRELATION OF SETS; LIST OF MEDIAN ORIENTATIONS OF TECTONIC JOINT SETS.  ACQN/DEVL LOCATION : 36 48'14"N 116 24'52"W 36 48'19"N 116 24'45"W 36 48'21"N 116 24'45"W 36 48'53"N 116 24'45"W 36 48'53"N 116 24'51"W 36 48'59"N 116 24'48"W 36 49'23"N 116 24'49"W 36 49'27"N 116 24'43"W 36 49'36"N 116 25'23"W 36 49'39"N 116 24'47"W 36 49'41"N 116 24'45"W 36 50'00"N 116 27'10"W 36 50'01"N 116 27'18"W 36 50'01"N 116 28'08"W 36 50'15"N 116 24'51"W 36 50'17"N 116 26'35"W 36 50'22"N 116 26'55"W 36 50'24"N 116 27'13"W	04/01/90-06/30/91	NWM-USGS-GP-12, R1 AND STUDY PLAN 8.3.1.4.2.2	A Y P

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	36 50'27"N 116 24'21"W 36 50'33"N 116 24'24"W 36 50'35"N 116 26'53"W 36 50'58"N 116 27'08"W 36 51'00"N 116 26'47"W 36 51'23"N 116 26'38"W 36 51'25"N 116 27'56"W 36 51'36"N 116 27'17"W 36 51'50"N 116 26'36"W 36 52'05"N 116 27'24"W 36 52'07"N 116 24'19"W 36 52'07"N 116 27'38"W 36 52'24"N 116 27'23"W 36 52'26"N 116 26'03"W 36 52'30"N 116 26'22"W 36 52'32"N 116 26'21"W 36 52'33"N 116 26'24"W 36 52'35"N 116 26'24"W 36 52'36"N 116 27'14"W 36 52'38"N 116 26'26"W 36 52'38"N 116 27'15"W 36 53'02"N 116 27'37"W 36 53'54"N 116 27'05"W			
GS910908314222.003	DATA FROM 6 PAVEMENTS (PAVEMENTS 100, 200, 300, 400, 500, AND 1000) AND DATA FROM WASH-OUT STRIP.	02/20/86-02/28/86	NWM-USGS-GP-12, RO	A N P
	ACQN/DEVL LOCAT. . 36 52'03"N 116 27'22"W			
GS921208314222.003	FRACTURE DATA FOR (UE-25) NRG-1 CORE, DATED SEPT 4 & 14, 1992; FRACTURE DATA FOR NRG-1 PAVEMENT, DATED SEPT. 3, 16, 17, 18, 1992; FRACTURE DATA FOR NRG-1 PAVEMENT, DATED 11/16 - 11/20, 1992	09/03/92-11/20/92	TECHNICAL PROCEDURE NWM-USGS GP-12,R1, MAPPING FRACTURES ON PAVEMENTS, OUTCROPS, AND ALONG TRAVERSES.	A Y P
	ACQN/DEVL LOCATION : USBR SOIL AND ROCK LAB, DENVER			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930408314222.004	FRAC TAL GEOMETRY OF THE TWO-DIMENSIONAL FRACTURE NETWORKS AT YUCCA MOUNTAIN (SIC) , SOUTHWESTERN NEVADA, BY CHRISTOPHER C. BARTON AND ERIC LARSEN.	01/01/84-01/01/85	FRAC TAL GEOMETRY (MANDELBROT, B.B., 1982, THE FRAC TAL GEOMETRY OF NATURE), WAS APPLIED TO QUANTIFY SPATIAL AND TRAC LENGTH DISTRIBUTION. FRAC TAL ANALYSIS METHOD, DESCRIBED IN REPORT, USED TO PLOT FRACTURE NETWORKS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
*GS930708314222.005	BEDROCK GEOLOGIC MAP OF THE LONE MOUNTAIN PLUTON AREA, ESMERALDA COUNTY, NEVADA, BY FLORIAN MALDONADO.	01/01/83-01/01/84	MAP IS A COMPILATION OF FIELD DATA AND AERIAL PHOTO ANALYSIS INTEGRATED WITH PREVIOUSLY PUBLISHED DATA. CHARACTERIZATION OF MAJOR STRUCTURAL FEATURES INCLUDE HOMOGENEITY, JOINT FREQUENCY, JOINT AND BEDDING ATTITUDES, DIKE TRENDS, AND AEROMAGNETICS. FOLIATION DIRECTIONS, JOINT STRIKES, AND JOINT DIPS CHARACTERIZED BY MODAL ANALYSES AND ROSE DIAGRAMS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
*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 JIRKELAND, 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 P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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LA000000000031.001	PRELIMINARY FRAN RIDGE WATER USE JOB PACKAGE 92-7. THIS PRELIMINARY DATA INDICATES THE QUANTITY OF WATER USED AND ITS PURPOSE DURING FRAN RIDGE PIT MAPPING.	09/29/92-10/01/92	DATA WAS COLLECTED UNDER REECO PROCEDURE CND-SOP-001 "WATER ACCOUNTABILITY ON THE YMP. TOTALS ARE A SUMMATION OF WATER USAGE AMOUNTS. FINALS RECEIVED WILL BE SUBMITTED TO THE DRC 018 FILE AND CLOSED WITH JP-92-7.	D Y T
ACQN/DEVL LOCATION : FRAN RIDGE				
Activity - 8.3.1.4.2.2.3				
GS910908314223.006	FRACTURE CORE DATA FROM USW G-4 DRILLHOLE.	03/01/84-05/31/86	USGS STANDARD COLLECTION METHODS	A N P
ACQN/DEVL LOCATION : USW G-4				
GS911108314223.005	EVALUATION AND COMPARISON BY STRATIGRAPHIC UNITS OF BOREHOLE FRACTURE ORIENTATIONS IN 14 WATER TABLE HOLES IN THE YUCCA MOUNTAIN AREA USING TELEVISION CAMERA DATA.	01/01/83-12/31/84	METHOD USED WAS LATER WRITTEN INTO NWM-USGS-GP-10. STATISTICAL METHOD FROM "STATISTICS OF DIRECTIONAL DATA" NEW YORK, ACADEMIC PRESS, 1972.	A N P
ACQN/DEVL LOCATION : UE25 WT-1 UE25 WT-10 UE25 WT-11 UE25 WT-12 UE25 WT-14 UE25 WT-15 UE25 WT-16 UE25 WT-17 UE25 WT-18 UE25 WT-2 UE25 WT-4 UE25 WT-6 UE25 WT-7 UW25 WT-3				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930208314211.005	STRATIGRAPHY AND STRUCTURE OF VOLCANIC ROCKS IN DRILL HOLE USW-G1 (USW G-1), YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY R.W. SPENGLER, F.M. BYERS, AND J.B. WARNER.	01/01/81-11/02/81	DESCRIPTIONS AND INTERPRETATIONS OF THE STRATIGRAPHY, STRUCTURE (SHEAR FRACTURES, JOINTS, FOLIATION AND LAYERING, FAULT ZONES, AND FRACTURE COATINGS), AND THE LITHOLOGIC LOG FOR DRILLHOLE USW G-1. METHODS USED INCLUDE CORE LOGGING AND PETROGRAPHIC STUDIES OF THIN SECTIONS. CHEMICAL ANALYSES USED AS AN AID IN ROCK CLASSIFICATION. X-RAY DIFFRACTION ANALYSIS USED TO IDENTIFY ALTERATION PRODUCTS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930208314211.007	GEOLOGY OF DRILL HOLE USW VH-2 AND STRUCTURE OF CRATER FLAT, SOUTHWESTERN NEVADA, BY W.J. CARR AND L.D. PARRISH.	01/01/84-07/23/85	DESCRIPTIONS AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED AND UNPUBLISHED DATA/INFORMATION INCLUDING: STRATIGRAPHY AND LITHOLOGY, STRUCTURAL CHARACTERISTICS, AND GEOPHYSICAL LOGS FOR USW VH-2.	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 - 8.3.1.4.2.2.4				
GS930408314224.001	FIELD DATA NOTEBOOK FOR GEOLOGIC MAPPING OF THE NORTH RAMP PORTAL OF THE EXPLORATORY STUDIES FACILITY CONTAINING POINTS WHERE SIGNIFICANT GEOLOGIC FEATURES ARE LOCATED AND THEIR DESCRIPTIONS, AND ALSO WHERE SAMPLES WERE TAKEN.	01/20/93-03/19/93	USGS TECHNICAL PROCEDURES GP-01,R2, GEOLOGIC MAPPING, AND GP-12,R1 MAPPING FRACTURES ON PAVEMENTS, OUTCROPS, AND ALONG TRAVERSES.	A Y P
ACQN/DEVL LOCATION : NORTH RAMP PORTAL, ESF				
GS930408314224.002	DATA LOGS OF CHARACTERISTICS OF FRACTURES OR JOINTS ALONG RECONNAISSANCE TRAVERSES.	01/20/93-03/06/93	USGS TECHNICAL PROCEDURE GP-12,R1 MAPPING FRACTURES ON PAVEMENTS, OUTCROPS, AND ALONG TRAVERSES.	A Y P
ACQN/DEVL LOCATION : NORTH RAMP PORTAL, ESF				
*GS930708314224.003	GEOLOGIC FIELD MAPPING NOTEBOOKS AND LINE SURVEY COMPILATIONS FOR EXPLORATORY STUDIES FACILITY.	04/14/93-06/23/93	SCIENTIFIC NOTEBOOK PLAN SN-0041,R0 "UNDERGROUND MAPPING OF THE NORTH RAMP STARTER TUNNEL AND APPURTENANCES".	A Y P
ACQN/DEVL LOCATION : NORTH RAMP OF ESF, AREA 25, NTS				
*GS930708314224.004	FULL-PERIPHERY MAPS, NORTH RAMP OF THE EXPLORATORY STUDIES FACILITY.	04/14/93-06/23/93	SCIENTIFIC NOTEBOOK PLAN SN-0041,R0 "UNDERGROUND MAPPING OF THE NORTH RAMP STARTER TUNNEL AND APPURTENANCES".	A Y P
ACQN/DEVL LOCATION : NORTH RAMP OF ESF, AREA 25, NTS				



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
930908314224.005	STEREONET SCATTERPLOTS AND CONTOUR PLOTS FROM DETAILED LINE SURVEYS, NORTH RAMP, ESF.	04/14/93-06/23/93	STEREOPLOTTING USING DIPS 2.2.	D Y P
ACQN/DEVL LOCATION : USBR, FOC, AREA 25, NTS				
Activity - 8.3.1.4.2.2.5				
930908314211.013	GEOPHYSICAL STUDIES OF THE SYNCLINE RIDGE AREA, NEVADA TEST SITE, NYE COUNTY, NEVADA, BY D.B. HOOVER, W.J. HANNA, L.A. ANDERSON, V.J. FLANIGAN, AND L.W. PANKRATZ	01/01/77-12/31/81	GRAVITY, MAGNETIC, SEISMIC REFRACTION AND REFLECTION, AND FOUR DISTINCT ELECTRICAL METHODS EMPLOYED IN ATTEMPT TO DEFINE THE STRUCTURAL INTEGRITY AND SHAPE OF THE PROPOSED REPOSITORY MEDIUM.	D N P
ACQN/DEVL LOCATION : USGS				
930908314225.001	FEASIBILITY STUDY OF THE SEISMIC REFLECTION METHOD IN THE AMARGOSA DESERT, NYE COUNTY, NEVADA, BY THOMAS M. BROCHER, PATRICK E. HART, AND STEVEN F. CARLE	01/01/87-10/17/88	THIS REPORT PRESENTS A DETAILED DESCRIPTION OF THE METHOD BY WHICH EXPLOSIVE AND VIBROSEIS METHODS FOR ACQUIRING DEEP CRUSTAL SEISMIC REFLECTION PROFILES IN NYE COUNTY, NEVADA WERE TESTED AND COMPARED. FIELD TRIALS WERE CONDUCTED AT TWO SITES. A 60-FOLD VIBROSEIS PROFILE WAS ACQUIRED, THEN A COINCIDENT SINGLE-FOLD EXPLOSIVE SOURCE REFLECTION PROFILE WAS GENERATED ALONG THE VIBROSEIS PROFILE LINE.	D N P
ACQN/DEVL LOCATION : USGS, MENLO PARK				

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GS970908314225.002	SEISMIC CROSSHOLE DATA FROM WELLS UE-25C #2 AND UE-25C #3.	06/25/92-07/09/92	DATA RECORDED USING YMP SOFTWARE CID: YMP-USGS/GSP0005.01 (X-ACQ V1.0) SP-13, R0, VSP AND CROSSHOLE TOMOGRAPHIC SURVEYS.	A Y P
	ACQN/DEVL LOCATION : UE-25C #2 UE-25C #3			
Activity - 8.3.1.4.3.1				
SNSAND89227000.000	POROSITY AND AIR PERMEABILITY DATA FROM SAND89-2270; "ESTIMATES OF SPATIAL CORRELATION IN VOLCANIC TUFF YUCCA MOUNTAIN, NEVADA" NNA.901213.0067	03/11/87-05/08/87	THE SAMPLES OBTAINED WERE ANALYZED FOR POROSITY AND AIR PERMEABILITY BY LITTON CORE LAB. POROSITY WAS CALCULATED FROM THE BULK VOLUME AND GRAIN VOLUME OF THE SAMPLE USING API (AMERICAN PETROLEUM INSTITUTE) RP40. BULK VOLUME WAS DETERMINED BY MERCURY DISPLACEMENT AND THE GRAIN VOLUME BY BOYLE'S LAW GAS PRESSURE MEASUREMENT. PERMEABILITY WAS DETERMINED USING A TECHNIQUE THAT INCORPORATES DARCY'S LAW AND MEASURES THE PRESSURE DROP IN AIR FLOWING THROUGH THE SAMPLE. (FOR MORE DETAIL SEE SAND89-2270).	D N T
	ACQN/DEVL LOCATION : SNL			

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Activity - 8.3.1.4.3.1.1				
TM0000000000CL.001	COMPOSITE LOGS FOR DRILLING ACTIVITIES.	09/01/91-10/01/92	GRAPHICAL REPRESENTATION OF BOREHOLES LITHOLOGY AND RELATED DRILLING INFORMATION.	A N C
ACQN/DEVL LOCATION : WITHIN 25 MILE RADIUS AROUND YUCCA MOUNTAIN				
*TM0000000000CL.002	COMPOSITE LOGS FOR DRILLING ACTIVITIES.	10/01/92-07/31/93	GRAPHICAL REPRESENTATION OF BOREHOLES LITHOLOGY AND RELATED DRILLING INFORMATION.	A N P
ACQN/DEVL LOCATION : WITHIN 25 MILE RADIUS AROUND YUCCA MOUNTAIN				
Activity - 8.3.1.5.1.2.1				
G.930508-15121.001	LATE QUATERNARY PALEOLIMNOLOGY OF WALKER LAKE, NEVADA BY J. PLATT BRADBURY, R.M. FORESTER, AND R.S. THOMPSON.	01/01/87-12/22/87	REPORT EVALUATES PALEOLIMNOLOGICAL AND PALEOHYDROLOGICAL CHANGES BY INTERPRETING BIOSTRATIGRAPHIC CORRELATIONS FROM C0FES 4,5,8 IN CONJUNCTION WITH DATED SHORELINE TUFAS. MICROFOSSIL ANALYSIS USING METHODS DESCRIBED BY BATTARBEE (1985), POLLEN ANALYSIS USING PALYNOLOGICAL TECHNIQUES BY GRAY (1965), AGES BY RADIOCARBON DATING. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	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 - 8.3.1.5.1.2.2				
GS921208315122.001	DATA INCLUDE SITE LOCATIONS; PHYSICAL AND CHEMICAL PROPERTIES; MAJOR AND SOME MINOR IONS; AND OSTRACODE SPECIES PRESENCE AND ABSENCE FOR 1966 SPRING AND WETLAND SITES FROM THE WESTERN PART OF THE UNITED STATES.	01/01/81-05/02/89	NWM-USGS HP-78,R1 NONMARINE CALCAREOUS MICROFOSSIL SAMPLE PREPARATION AND DATA ACQUISITION PROCEDURES.	A N C
ACQN/DEVL LOCATION : USGS, DENVER				
GS921208315122.002	MICROFOSSILS AS INDICATORS OF PALEOHYDROLOGY AND PALEOCLIMATE, BY RICHARD M. FORESTER AND ALISON J. SMITH.	10/01/92-11/30/92	OSTRACODES ARE ANALYZED TO SHOW THAT THEY ARE SENSITIVE HYDROLOGICAL AND CLIMATICAL INDICATORS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER				
GS930708315122.002	STRATIGRAPHIC ANALYSIS BASED ON CORES FROM SOUTHERN NEVADA PLAYAS	06/02/93-06/06/93	EMPLOYED STANDARD GEOLOGIC PRACTICES. HP-78,R1, NONMARINE CALCAREOUS MICROFOSSIL SAMPLE PREPARATION AND DATA ACQUISITION PROCEDURES.	A Y P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 9.3.1.5.1.3.1				
GS909909315131.002	PRELIMINARY ASSESSMENT OF CLIMATIC CHANGE DURING LATE WISCONSIN TIME, SOUTHERN GREAT BASIN AND VICINITY, ARIZONA, CALIFORNIA AND NEVADA, BY W.G. SPAULDING, S.W. ROBINSON, AND F.S. PAILLET.	01/01/84-11/13/84	PALEOCLIMATIC RECONSTRUCTION USING CONCENTRATION AND RELATIVE ABUNDANCE VALUES OF PLANT MACROFOSSILS FROM PACKRAT MIDDEN RAPID-CARBON ANALYSES, WELLS, 1976; SPAULDING AND OTHERS, 1983. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS909909315131.002	VEGETATION AND CLIMATES OF THE LAST 45,000 YEARS IN THE VICINITY OF THE NEVADA TEST SITE, SOUTH-CENTRAL NEVADA, BY W. GEOFFREY SPAULDING	01/01/84-01/01/85	AUTHOR CHARACTERIZES LONG-TERM CLIMATIC VARIABILITY. PALEOENVIRONMENTAL AND PALEOCLIMATIC RECONSTRUCTION OF THE PAST 45,000 YEARS USED TO CALCULATE POTENTIAL VARIATIONS IN WATER-TABLE LEVELS AND GROUND-WATER RECHARGE, FOLLOWING WINOGRAD, I.J., 1981, SCIENCE V. 212, AND WINOGRAD, I.J., AND DOTY, G.C., 1980, USGS OFR 80-569. RADIO-CARBON DATED PLANT MICROFOSSILS FROM PACKRAT MIDDENS USED FOR PALEOCLIMATIC RECONSTRUCTIONS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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Activity - 9.3.1.5.1.3.3				
5930908315133.002	CLIMATIC CHANGES INFERRED FROM ANALYSES OF LAKE-SEDIMENT CORES, WALKER LAKE, NEVADA, BY I.C. YANG.	01/01/87-12/21/88	CARBON-14 AGES CALCULATED USING HALF-LIFE OF 5,570 YEARS CORRECTED FOR ISOTOPIC FRACTIONATION. C-13/C-12 RATIO DETERMINED BY MASS SPECTROMETRY. TOTAL CARBON CONTENT OBTAINED BY LECO INDUCTION FURNACE METHOD, INORGANIC-CARBON CONTENT BY MODIFIED VAN-SLYKE PROCEDURE. SEDIMENT PROPERTIES DETERMINED FROM C-14 AGES. REPORT TEX DETAILS METHODS.	D N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
5930908315131.002	VEGETATION AND CLIMATES OF THE LAST 45,000 YEARS IN THE VICINITY OF THE NEVADA TEST SITE, SOUTH-CENTRAL NEVADA, BY W. GEOFFREY SPAULDING	01/01/84-01/01/85	AUTHOR CHARACTERIZES LONG-TERM CLIMATIC VARIABILITY. PALEOENVIRONMENTAL AND PALEOCLIMATIC RECONSTRUCTION OF THE PAST 45,000 YEARS USED TO CALCULATE POTENTIAL VARIATIONS IN WATER-TABLE LEVELS AND GROUND-WATER RECHARGE, FOLLOWING WINOGRAD, I.J., 1981, SCIENCE V. 212, AND WINOGRAD, I.J., AND DOTY, G.C., 1980, USGS OFR 80-569. RADIO-CARBON DATED PLANT MICROFOSSILS FROM PACKRAT MIDDENS USED FOR PALEOCLIMATIC RECONSTRUCTIONS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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Activity - 8.3.1.5.1.4.1				
GS910908315141.006	FIELD SHEETS DESCRIBING LOCATION OF DUST TRAPS AND CONDITION OF SAMPLE WHEN COLLECTED; 1984-1989. (COLLECTION IN 1985-1989) AND GENERAL LOCATION MAP.	01/01/84-12/31/89	DUST SAMPLES ACCUMULATED OVER ABOUT ONE YEAR IN PANS WITH MARBLES PLACED ON POSTS ABOUT 2M ABOVE THE GROUND. 60 DUST TRAPS WERE INSTALLED IN 1984 AND 1985. SAMPLES WERE COLLECTED ANNUALLY FROM 1985-1989 BY RINSING AND WASHING THE PAN AND MARBLES WITH DISTILLED WATER.	A Y P
ACQN/DEVL LOCATION : 32 42'N 117 38'W ;38 10'N 114 00'W				
GS910908315141.007	ANALYTICAL DATA ON GRAIN SIZE AND CHEMICAL COMPOSITION OF DUST SAMPLES, SUMMARY OF FIELD CONDITIONS FOR EACH SAMPLE AND CALCULATIONS OF THE MASS FLUX OF PARTICLES.	01/01/85-12/31/89	USGS STANDARD COLLECTION METHODS.	D Y P
ACQN/DEVL LOCATION : USGS				
GS910908315141.008	SAMPLE TRACKING LOG; PHOTOCOPY OF NOTEBOOK PAGES SUMMARIZING TRANSMITTALS AND ANALYSES OF SAMPLES OF EOLIAN DUST COLLECTED BETWEEN 1984 AND 1989.	01/01/84-12/31/89	USGS STANDARD COLLECTION METHODS.	A Y P
ACQN/DEVL LOCATION : USGS LABS				
GS910908315141.009	X-RAY DIFFRACTION TRACES OF CLAY AND SILT FRACTIONS OF DUST SAMPLES.	01/01/85-12/31/89	USGS STANDARD COLLECTION METHODS.	D Y P
ACQN/DEVL LOCATION : USGS LABS				

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GS911008315141.001	DESCRIPTIONS OF SOIL MICROMORPHOLOGY IN THIN SECTIONS OF SELECTED SOIL HORIZONS AND X-RAY DIFFRACTION ANALYSIS OF CLAY MINERALOGY IN SELECTED SOIL HORIZONS  ACQN/DEVL LOCATION : 36 15'N 115 31'W ; 36 23'N 115 20'W USGS, DENVER	01/01/86-12/31/86	VERBAL DESCRIPTION OF MICROMORPHOLOGICAL SOIL PROPERTIES USING A POLARIZING LIGHT MICROSCOPE. CLAY MINERALOGY BY STANDARD TECHNIQUES USING X-RAY DIFFRACTOMETER.	A N C
GS911008315141.002	MAJOR-OXIDE, TRACE ELEMENTS, AND IRON-OXIDE ANALYSIS OF SELECTED SOIL SAMPLES.  ACQN/DEVL LOCATION : USGS, DENVER	07/04/86-12/11/86	FE-OXIDE BY WET CHEMICAL METHODS; TRACE ELEMENTS BY EDXRF; MAJOR OXIDES BY X-RAY SPECTROSCOPY.	A N C
GS911008315141.003	SOIL DESCRIPTION SHEETS AND TRENCH LOCATIONS AND DESCRIPTION OF FIELD SETTING; CHANNEL ALLOUVIUM SAMPLES AND VOLUMES; AND DETAILED DESCRIPTIONS OF TRENCH LOCATIONS.  ACQN/DEVL LOCATION : 36 15'N 115 31'W ; 36 23'N 115 20'W	04/22/85-05/03/85 03/16/87-03/28/87	GP-07, R0, GEOLOGIC TRENCHING STUDIES.	A N C
GS911008315141.004	LABORATORY CHEMICAL ANALYSIS AND CALCULATIONS OF NON-PEDOGENIC CaCO <sub>3</sub> CONTENT OF SELECTED SOILS.  ACQN/DEVL LOCATION : U.N.M., ALBUQUERQUE, NM	06/18/86-03/26/87 10/01/88-10/31/88	DRAFT, GP-21, R0, LABORATORY ANALYSIS OF SOILS, FOR SOIL ANALYSES (CHEMICAL). VIDEO CaCO <sub>3</sub> MEASUREMENTS DONE BY REAL MEASUREMENTS ON SLABS AND BY POINT-COUNTING THIN SECTIONS. CALCULATIONS FOR NON-CaCO <sub>3</sub> PEDOGENIC MATERIAL DONE BY HAND CALCULATOR USING DATA ON PRESENT PEDOGENIC MATERIAL, % CaCO <sub>3</sub> , HORIZON THICKNESS, AND BULK DENSITY.	A N C



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GS911008315141.005	COMPUTER CALCULATIONS OF SOIL AGES VS. FIELD PROPERTIES - REGRESSION STATISTICS.  ACQN/DEVL LOCATION : USGS, DENVER	03/01/90-01/31/91	LINEAR REGRESSION TECHNIQUES APPLIED TO SOIL FIELD DATA AND SOIL AGES, USING STATPRO PROGRAMS.	D N C
GS930108315141.001	MORPHOLOGY AND GENESIS OF CARBONATE SOILS ON THE KYLE CANYON FAN, NEVADA, USA.  ACQN/DEVL LOCATION : USGS, DENVER	04/01/85-08/22/91	DESCRIBE TIMING AND FORMATION OF QUATERNARY SOILS.	D N C
GS930108315141.002	LATE CENOZOIC EVOLUTION OF THE UPPER AMARGOSA RIVER DRAINAGE SYSTEM, SOUTHWESTERN GREAT BASIN, NEVADA AND CALIFORNIA, BY N. KING HUBER  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/87-09/04/87	THIS REPORT IS BASED ON PUBLISHED REPORTS AND GEOLOGIC MAPS, TOPOGRAPHIC MAPS, AND AERIAL PHOTOGRAPHS. FIELD EXAMINATION WAS PRECLUDED.	D N P
GS930508315141.003	DEVELOPMENT RATES OF LATE QUATERNARY SOILS, SILVER LAKE PLAYA, CALIFORNIA, BY MARITH C. REHEIS, JENNIFER W. HARDEN, LESLIE D. MCFADDEN, AND RALPH R. SHROBA.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/86-05/22/87	FAN UNITS WERE MAPPED USING STRATIGRAPHIC RELATIONS, SURFACE GEOMORPHIC CHARACTERISTICS, AND PRELIMINARY SOIL DATA. SOILS WERE DESCRIBED BY COLOR, PH, TEXTURE, WET AND DRY CONSISTENCE, AND STRUCTURE. SOIL PROPERTIES MEASURED BY SOIL DEVELOPMENT INDEX (HARDEN, J.W., 1982, GEODERMA, AND HARDEN, J.W., AND TAYLOR, E.M., 1983, QUAT. RES.). CURVES WERE PLOTTED FOR VARIOUS CHARACTERISTICS AS A FUNCTION OF SOIL AGE. T-TESTS PERFORMED TO ASSURE ACCURACY IN DISTINGUISHING GROUPS OF SOILS OF DIFFERENT AGES. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		
GS930508315141.004	GEOMORPHOLOGY AND PEDOLOGY ON THE KYLE CANYON ALLUVIAL FAN, SOUTHERN NEVADA, EDITED BY J.M. SOWERS.	01/01/87-12/17/87	INTERPRETATION AND CHARACTERIZATION OF DEPOSIT AND SOIL DATING BY 1) GEOMORPHOLOGIC AND STRATIGRAPHIC CONSTRAINTS, 2) C-14 CORRELATIONS, 3) CaCO <sub>3</sub> PALEOMAGNETISM, 4) C-14 AND U-TH ANALYSES OF CaCO <sub>3</sub> RINDS. MAJOR OXIDES, ZR AND MINOR ELEMENTS BY XRF, ENERGY-DISPERSIVE XRF, AND WET-CHEMICAL METHODS. MICROMORPHOLOGY BY THIN-SECTION ANALYSIS. LEACHING INDEX BY THORNTHWAITE AND MAYER (1986) COMPUTER MODEL. C ISOTOPE BY PDB STANDARD, CRAIG (1957). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.		D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, MENLO PARK, CA				
GS930508315141.005	URANIUM-TREND DATING OF FLUVIAL AND FAN DEPOSITS IN THE BEATTY AREA, NEVADA BY J.N. ROSHOLT, W.C. SWADLEY AND C.A. BUSH.	01/01/85-09/26/85	ANALYSES OF CaCO <sub>3</sub> RINDS BY CONVENTIONAL CLOSED-SYSTEM URANIUM-SERIES DATING. U AND TH CONCENTRATIONS BY RADIOISOTOPE-DILUTION TECHNIQUE DESCRIBED BY ROSHOLT (1984). CALICHE AGES BY ISOCHRON-PLOT METHOD, SZABO AND STEPR (1978). CHARACTERIZATION OF ANALYTICAL RESULTS PLOTTED AS ACTIVITY RATIOS IN GRAPHICAL FORM. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.		D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO				

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*3S33J708312272.005	MEASUREMENTS OF WATER PENETRATION AND VOLUME PERCENTAGE WATER-HOLDING CAPACITY FOR UNDISTURBED, COARSE-TEXTURED SOILS IN SOUTHWESTERN CALIFORNIA, BY JENNIFER W. HARDEN	01/01/86-05/14/87	MOISTURE CONTENT OF SOIL WAS DETERMINED BY D N P FIELD CAPACITY METHOD (VEINMEYER AND HENDRICKSON, 1949, METHODS OF MEASURING FIELD CAPACITY AND PERMANENT WETTING PERCENTAGE OF SOILS). ANTECEDENT MOISTURE CONTENT DETERMINED BY METHOD OF SALTER AND HAWORTH, (1961, THE AVAILABLE-WATER CAPACITY OF SANDY LOAM SOIL: 2). PARTICLE SIZE DISTRIBUTION FOUND FOR COARSE PARTICLES BY METHOD OF SOIL SURVEY STAFF, 1962, AND FOR FINE PARTICLES BY PIPETTE ANALYSIS (DAY, 1965, PARTICLE FRACTIONATION AND PARTICLE-SIZE ANALYSES). COMPLETE BIBLIOGRAPHIC CITATIONS ARE IN REPORT.	
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.5.1.4.2				
**GS900908315142.001	CORRELATION CHARACTERISTICS OF SURFICIAL DEPOSITS WITH A DESCRIPTION OF SURFICIAL STATIGRAPHY IN THE NEVADA TEST SITE REGION, BY D.L. HOOVER, WC SWADLEY, AND A.C. GORDON	01/01/80-04/06/81	USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
**GS900908315142.002	URANIUM-TREND DATING OF QUATERNARY DEPOSITS IN THE NEVADA TEST SITE AREA, NEVADA AND CALIFORNIA, BY ROSHOLT, BUSH, CARR, HOOVER, SWADLEY, AND DOOLEY. ANALYSES OF 36 SAMPLE UNITS ARE INCLUDED IN THIS REPORT.	01/01/85-09/16/85	USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930108315142.001	"IMPACT OF TIME AND CLIMATE ON QUATERNARY SOILS IN THE YUCCA MOUNTAIN AREA OF THE NEVADA TEST SITE" BY, E.M. TAYLOR	01/01/84-05/28/86	MAPPING AND INTERPRETATION OF AERIAL PHOTOGRAPHS AND SATELLITE IMAGERY; FIELD MAPPING AND VERIFICATION. (TECHNICAL PROCEDURE GP-01, R0, GEOLOGICAL MAPPING, DESCRIBES THE METHODS USED AT THE TIME OF DATA COLLECTION)	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930708314211.024	MAP SHOWING SURFICIAL GEOLOGY OF THE LATHROP WELLS QUADRANGLE, NYE COUNTY, NEVADA BY W C SWADLEY. SCALE OF 1:48,000.	01/01/80-01/01/81	DESCRIPTION AND CHARACTERIZATION OF SURFICIAL DEPOSITS INCLUDING STREAM ALLUVIUM, ALLUVIAL FAN, EOLIAN, AND LACUSTRINE DEPOSITS THAT ARE SUBDIVIDED BY AGE, LITHOLOGY, AND DEPOSITIONAL ENVIRONMENT. MAP SCALE IS 1:48,000.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*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 P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930708315142.004	GEOLOGIC MAP OF THE SURFICIAL DEPOSITS OF THE YUCCA FLAT AREA, NYE COUNTY, NEVADA BY WC SWADLEY AND D.L. HOOVER.	01/01/89-01/01/90	THIS MAP WAS PREPARED USING AERIAL PHOTOGRAPHS AND LIMITED FIELD OBSERVATIONS. IT COVERS ABOUT 400 SQUARE KILOMETERS AND INCLUDES ALL OR PART OF NINE 7 1/2-MINUTE TOPOGRAPHIC QUADRANGLES. MAPPING WAS CONFINED TO ALLUVIAL AND EOLIAN SURFICIAL DEPOSITS AT A SCALE OF 1:48,000.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.5.1.4.3				
*GS900908315143.001	PALEOHYDROLOGY OF THE SOUTHERN GREAT BASIN WITH SPECIAL REFERENCE TO WATER TABLE FLUCTUATIONS BENEATH THE NEVADA TEST SITE DURING THE LATE (?) PLEISTOCENE, BY I.J. WINOGRAD AND G.C. DOTY	01/01/80-01/01/81	INTERPRETATION OF DATA GATHERED DURING THE PREVIOUS TEN (10) YEARS.	D N C
ACQN/DEVL LOCATION : USGS, RESTON, VA				
Activity - 8.3.1.5.1.5.1				
GS930408315151.001	LATE HOLOCENE DIATOM PALEOLIMNOLOGY OF WALKER LAKE, NEVADA, BY J. PLATT BRADBURY.	01/01/86-12/18/86	CORRELATIONAL DATES ESTABLISHED FROM RADIOCARBON DATES BY BENSON, L.V., AND MIFFLIN, M.D., 1983, A HYDROCHEMICAL RECONNAISSANCE STUDY OF THE WALKER RIVER BASIN, CA AND NV, USGS OFR 83-740.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

# SITE CHARACTERIZATION PLAN BASELINE

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## Activity - 8.3.1.5.2.1.1

3S910908315211.001	SUPPORTING DATA FOR REPORT, "EVIDENCE OF PREHISTORIC FLOODING AND THE POTENTIAL FOR FUTURE FLOODING AT COYOTE WASH, YUCCA MOUNTAIN, NEVADA", BY PATRICK A GLANCY.	08/15/83-12/31/85	TRENCHES WERE DUG BY REECO AT THE DIRECTION OF THE PRINCIPAL INVESTIGATOR. TRENCHES WERE STUDIED IN THE FIELD, PHOTOGRAPHS AND SKETCHES OF TRENCH STRATIGRAPHY WERE PREPARED. SAMPLES WERE COLLECTED FOR PARTICLE-SIZE-DISTRIBUTION FROM SELECT STRATIGRAPHIC UNITS AND WERE SUBSEQUENTLY ANALYZED. ADDITIONAL DATA WERE ACQUIRED BY FIELD PLANE SURVEYING. OTHER DATA WERE OBTAINED FROM TOPOGRAPHIC MAPS. NUMEROUS PHOTOGRAPHS WERE TAKEN OF GENERAL SETTING AND OF THE TRENCHES.	A N P
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ACQN/DEVL LOCATION : 36 51'18"N 116 26'57"W

## Activity - 8.3.1.5.2.1.2

*3S930708315212.001	OSTRACODE ASSEMBLAGES FROM SPRINGS IN THE WESTERN UNITED STATES: IMPLICATIONS FOR PALEOHYDROLOGY, BY RICHARD M. FORESTER	01/01/89-05/03/90	SPRINGS AND SEEPS USED IN STUDIES WERE SELECTED BECAUSE THERE WERE EXISTING CHEMICAL AND TEMPERATURE DATA. CALCITE SATURATION OF INDEX WAS CALCULATED USING WATSPEC PROGRAM (WIGLEY, 1977, WATSPEC: A COMPUTER PROGRAM FOR DETERMINING THE EQUILIBRIUM SPECIATION OF AQUEOUS SOLUTIONS). PRESENCE AND ABSENCE DATA FOR TAXA WERE PLOTTED VERSUS WATER TEMPERATURE AND CONDUCTIVITY. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
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ACQN/DEVL LOCATION : USGS, DENVER, CO

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - B.3.1.5.2.1.3				
GS910508315213.001	GEOCHEMICAL DATA OBTAINED FROM SOIL SAMPLES OF NEVADA AND CALIFORNIA PLAYAS. SAMPLES COLLECTED 1/4/91 TO 1/10/91 AND 1/24/91 TO 3/24/91.	02/01/91-04/01/91	ANALYSIS BY USGS BRANCH OF GEOCHEMISTRY LAB PROCEDURES (SAMPLES WERE COLLECTED WITH A BED MATERIALS SAMPLER TO A DEPTH OF 5 CENTIMETERS.)	A Y P
ACQN/DEVL LOCATION : USGS BRANCH OF GEOCHEMISTRY, DENVER				
GS910508315213.006	WATER AND FAUNAL SAMPLE CHARACTERISTICS AND LAB ANALYSES RESULTS FROM WATER SAMPLES AND FLORA AND FAUNA SAMPLES FROM MODERN SPRINGS IN THE AMARGOSA FLOW SYSTEM INCLUDING WATER PROPERTIES.	02/25/91-02/28/91	HP-91,R2, COLLECTION AND FIELD ANALYSIS OF SURFACE-WATER SAMPLES; AND HP-199T,R0 COLLECTION OF AQUATIC MICRO-ORGANISMS.	A Y P
ACQN/DEVL LOCATION : BIG SPRING BOLE SPRING CANE SPRING GRAPEVINE SPRING NAVARES SPRING NAVEL SPRING SCOTTY'S CASTLE SUPPLY SPRING TEXAS SPRING USGS, DENVER				
GS911108315213.002	READINGS TAKEN USING AN EM-34 GROUND CONDUCTIVITY METER (GEONICS) IN THE FAIRBANKS SPRING AREA, POINT OF ROCKS SPRING, JACKRABBIT SPRING, BURRO CANYON FAULT, ALL IN NEVADA.	02/06/90-04/13/90	NWM-USGS-HP-187, R0	A Y P
ACQN/DEVL LOCATION : 36 23'24"N 116 16'42"W 36 24'06"N 116 16'18"W 36 25'48"N 116 18'30"W ;36 25'18"N 116 19'15"W 36 29'24"N 116 20'30"W				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS911108315213.003	READINGS TAKEN USING AN EM-34 GROUND CONDUCTIVITY METER (GEONICS) IN THE FAIRBANKS SPRING AREA, POINT OF ROCKS SPRING, JACKRABBIT SPRING, BURRO CANYON FAULT, ALL IN NEVADA.  ACQN/DEVL LOCATION : USGS	02/06/90-04/13/90	NWM-USGS-HP-187, R0	D Y P
GS911108315213.004	LAB ANALYSES RESULTS AND CHARACTERISTICS OF SOIL SAMPLES TAKEN FROM VARIOUS PLAYAS IN CALIFORNIA AND NEVADA 10/17/91 TO 10/26/91  ACQN/DEVL LOCATION : USGS BRANCH OF GEOCHEMISTRY, DENVER	08/01/91-08/31/92	ANALYSIS BY USGS BRANCH OF GEOCHEMISTRY LAB PROCEDURES.	A Y P
GS911208315213.005	LAB ANALYSIS RESULTS AND CHARACTERISTICS OF SURFICIAL SOIL SAMPLES TAKEN FROM WILLCOX DRY PLAYA AND SOUTH ALKALI FLAT, FROM THE TOP TO 5 CM BELOW SURFACE. SAMPLES COLLECTED 11/12/91 TO 11/14/91.  ACQN/DEVL LOCATION : USGS BRANCH OF GEOCHEMISTRY, DENVER	12/01/91-01/01/92	ANALYSIS BY USGS BRANCH OF GEOCHEMISTRY LAB PROCEDURES.	A Y P
GS920108315213.001	WATER AND FAUNAL CHARACTERISTICS AND LAB ANALYSES RESULTS OF SAMPLES OF BENTHIC MICROORGANISMS LARGER THAN 150 MICROMETERS AND WATER SAMPLES TAKEN FROM SPRING SITES IN CALIFORNIA AND NEVADA. SPECIFIC INFORMATION ON THESE SAMPLES ARE ON SAMPLE COLLECTION SHEETS AT THE SMF.  ACQN/DEVL LOCATION : 36 09'40"N 115 29'48"W 36 09'40"N 115 35'52"W 36 10'26"N 115 28'45"W 36 18'25"N 115 29'27"W 36 18'25"N 115 37'58"W 36 21'48"N 116 16'24"W 36 22'27"N 116 16'18"W 36 22'48"N 116 42'54"W	02/25/91-08/03/91	METHODS ASSOCIATED WITH USGS HP-199T, R0, TITLED "COLLECTION OF BENTHIC AQUATIC MICROORGANISMS LARGER THAN 150 MICROMETERS", AND METHODS INCLUDED IN HP-91, R3 "COLLECTION AND FIELD ANALYSIS OF SURFACE WATER SAMPLES". SCIENTIFIC NOTEBOOK - SNP-006 WAS USED FOR THE COLLECTION.	A Y P



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	36 27'24"N 116 50'15"W 36 30'39"N 116 49'15"W 36 35'54"N 115 40'12"W 36 48'03"N 116 05'39"W 36 58'26"N 116 43'17"W 36 59'40"N 116 42'25"W 37 01'12"N 117 23'15"W 37 02'06"N 117 19'30"W 37 02'17"N 116 42'43"W 37 04'25"N 116 41'30"W 37 10'20"N 116 05'30"W 37 12'09"N 116 07'52"W			
GS920308315213.002	BILLED WATER SAMPLES COLLECTED FOR STRONTIUM AND URANIUM ISOTOPE ANALYSIS.	02/20/91-02/22/91	DATA COLLECTED USING TP GCP-23T, R0.	A Y P
	ACQN/DEVL LOCATION : UE-25 WT #14 UE-25 WT #15 UE-25 WT #17 UE-25 WT #4 USW H-3 USW VH-2 USW WT-1 USW WT-10 USW WT-7			
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 P
	ACQN/DEVL LOCATION : USGS NWQL, DENVER			

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GS930108315213.005	ROCK AND SOIL / UNCONSOLIDATED SEDIMENT CHEMICAL DATA RESULTS FROM LAB ANALYSIS (GEOCHEMICAL)	04/14/92-07/09/92	STANDARD GEOCHEMICAL LAB OPERATING PROCEDURES, USGS, GEOLOGIC DIVISION, BRANCH OF GEOCHEMISTRY.	A Y P
ACQN/DEVL LOCATION : USGS, DENVER				
GS930108315213.001	CHANNEL GEOMETRY DATA FROM SCIENTIFIC NOTEBOOK SN-0008, COLLECTED BY WAITE OTERKAMP.	05/07/90-06/14/91	DATA COLLECTED USING HP-205T, R1 "SELECTION OF SITES AND COLLECTION OF DATA FOR CHANNEL GEOMETRY MEASUREMENTS".	A Y P
ACQN/DEVL LOCATION :				
T11S R47E, NE/SE/SE OF SECTION 28				
T11S R47E, SE/NE/NW OF SECTION 33				
T11S R47E, SW/NW/NW OF SECTION 34				
T12S R47E, SE/NW/NW OF SECTION 20				
T12S R47E, SE/SE/NW OF SECTION 30				
T12S R50E, NE/NE/SE OF SECTION 10				
T12S R50E, NE/NE/SE OF SECTION 28				
T12S R50E, NE/NE/SW OF SECTION 18				
T12S R50E, NE/NE/SW OF SECTION 28				
T12S R50E, NE/SE/NE OF SECTION 10				
T12S R50E, NW/SW/SW OF SECTION 27				
T12S R50E, SE/SE/NW OF SECTION 15				
T12S R50E, SW/SW/NW OF SECTION 27				
T12S R51E, NE/NW/SW OF SECTION 19				
T12S R51E, NW/NW/NW OF SECTION 34				
T13S R47E, NE/NW/NW OF SECTION 33				
T13S R47E, SW/NE/NE OF SECTION 18				
T13S R50E, NE/NE/SW OF SECTION 07				
T13S R50E, NE/NW/SW OF SECTION 07				
T13S R50E, NE/SW/SW OF SECTION 06				
T13S R50E, NW/NW/SW OF SECTION 25				
T13S R50E, SE/SE/SE OF SECTION 12				
T13S R50E, SW/NW/NW OF SECTION 07				
T13S R50E, SW/SW/SW OF SECTION 07				
T13S R51E, NW/NW/NE OF SECTION 07				
T14S R47E, SE/SE/SW OF SECTION 24				
T14S R49E, CENTER/SW OF SECTION 13				
T14S R49E, NW/NW/NE OF SECTION 35				
T14S R50E, NE/NE/SW OF SECTION 16				
T15S R47E, CENTER OF SECTION 02				
T15S R48E, CENTER OF SECTION 19				
T15S R48E, NE/NE/NW OF SECTION 03				

## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
	T15S R48E, SW/NE/NW OF SECTION 36		
	T15S R49E, NE/NE/SE OF SECTION 16		
	T15S R49E, NE/NE/SE OF SECTION 21		
	T15S R49E, NE/NE/SW OF SECTION 10		
	T15S R49E, NW/NE/NE OF SECTION 31		
	T15S R49E, NW/NW/SE OF SECTION 20		
	T15S R49E, NW/NW/SW OF SECTION 29		
	T15S R49E, SE/SW/SW OF SECTION 20		
	T15S R49E, SW/NE/SE OF SECTION 03		
	T15S R49E, SW/SW/NW OF SECTION 31		
	T15S R50E, NE/NW/SE OF SECTION 05		
	T15S R50E, NE/SW/SE OF SECTION 18		
	T15S R50E, SE/SW/SW OF SECTION 24		
	T15S R50E, SW/SW/SW OF SECTION 19		
	T16S R48E, SE/SE/NE OF SECTION 06		
	T16S R52E, SE/SW/NW OF SECTION 14		
	T21/22S R6E, SW/SW OF SECTION 24		
	T22S R6E, NW/SE/SW OF SECTION 01		
	T24S R06E, NW/SE/SW OF SECTION 18		
	T24S R06E, NW/SE/SW OF SECTION 28		
	T26S R05E, NE/NW/NE OF SECTION 22		
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 A Y P PROCEDURES.
	ACQN/DEVL LOCATION : USGS CENTRAL LAB, ARVADA, CO		
GS930108315213.003	234U/238U RATIOS AS A GROUND-WATER FLOW TRACER, SW NEVADA - SE CALIFORNIA, BY K.R. LUDWIG, Z.E. PETERMAN, K.R. SIMMONS & E.D. GUTENTAG.	12/10/92-01/08/93	THIS REPORT SUMMARIZES RESULTS OF URANIUM D N P ISOTOPIC ANALYSES OF GROUND WATER BY THERMAL IONIZATION MASS SPECTROMETRY.
	ACQN/DEVL LOCATION : USGS, DENVER, CO		

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GS930108315213.004	URANIUM ISOTOPIC ANALYSES OF GROUNDWATERS FROM SW NEVADA - SE CALIFORNIA.  ACQN/DEVL LOCATION : USGS, DENVER, CO	12/10/92-01/08/93	DATA WERE ACQUIRED PER GCP-28,R0, "UPANIUM A Y C ISOTOPIC GEOCHEMISTRY".	
GS930108315213.005	ISOTOPIC EVIDENCE OF COMPLEX GROUND-WATER FLOW AT YUCCA MOUNTAIN, NEVADA, BY Z.E. PETERMAN & J.S. STUCKLESS.  ACQN/DEVL LOCATION : USGS, DENVER, CO	11/17/92-12/31/92	COMPILATION OF OBSERVATIONS, TO DATE, FROM A N P THE ONGOING STRONTIUM ISOTOPE STUDY OF GROUND WATER IN THE TERTIARY AQUIFER OF THE OASIS VALLEY AND ALKALI FLAT - FURNACE CREEK RANCH SUBBASINS.	
GS930108315213.006	GROUNDWATER RECHARGE ESTIMATES USING GEOMORPHIC DISTRIBUTED PARAMETER SIMULATION MODEL APPROACH, AMARGOSA RIVER BASIN, NEVADA AND CALIFORNIA, BY W.R. OSTERKAMP, L.J. LANE, AND C.S. SAVARD. INCLUDES WATER BALANCE ESTIMATES AT SELECTED STREAM CHANNEL SITES.  ACQN/DEVL LOCATION : USGS, DENVER, CO	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 P
*GS930108315213.009	WATER DATA INCLUDING PHYSICAL WATER PROPERTIES AND CHEMISTRIES FOR SAMPLES COLLECTED IN COLORADO, KANSAS AND NEW MEXICO, ALSO COMPUTER INPUT/OUTPUT  ACQN/DEVL LOCATION : 34 27'00"N 108 45'40"W 34 38'42"N 106 20'58"W 35 05'57"N 106 23'16"W 37 00'04"N 102 46'33"W 37 00'56"N 102 50'10"W 37 06'55"N 103 17'54"W 37 07'03"N 103 18'50"W 37 08'58"N 104 28'45"W 37 10'32"N 100 27'30"W 37 14'26"N 99 58'52"W	01/01/80-12/31/88	STANDARD USGS-NWQL LAB METHODS, AND STANDARD OR PRE QA COLLECTION/SAMPLING METHODS FOR OBTAINING FIELD WATER PROPERTY MEASUREMENTS.	A N P

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	37 15'33"N 100 23'20"W			
	37 27'12"N 107 48'15"W			
	37 28'43"N 107 32'35"W			
	37 34'23"N 103 19'48"W			
	37 41'30"N 103 54'40"W			
	37 41'40"N 103 57'21"W			
	37 41'57"N 105 31'23"W			
	37 44'04"N 105 30'24"W			
	37 44'04"N 106 55'03"W			
	37 44'06"N 106 54'35"W			
	37 45'12"N 103 48'06"W			
	37 48'05"N 106 57'16"W			
	37 50'32"N 108 17'41"W			
	37 51'05"N 108 17'31"W			
	37 58'49"N 107 45'31"W			
	38 40'01"N 100 55'10"W			
	USGS, DENVER, CO			
	USGS, NWQL, DENVER			
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 14'25"N 116 22'05"W			
	36 14'35"N 116 20'20"W			
	36 14'35"N 116 20'40"W			
	36 14'55"N 116 22'25"W			
	36 17'17"N 116 24'36"W			
	36 18'00"N 116 27'32"W			
	36 20'04"N 116 31'38"W			
	36 21'00"N 116 31'03"W			
	36 21'36"N 116 30'35"W			
	36 24'14"N 116 23'17"W			
	36 24'36"N 116 18'15"W			
	36 24'37"N 116 18'21"W			
	36 25'25"N 116 18'02"W			
	36 25'27"N 116 18'01"W			
	36 25'32"N 116 25'23"W			
	36 25'43"N 116 26'50"W			
	36 25'43"N 116 26'55"W			

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36	27'01"N 116 30'17"W		
36	28'03"N 116 22'31"W		
36	28'27"N 116 21'55"W		
36	28'42"N 116 21'41"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	33'15"N 116 28'45"W		
36	33'20"N 116 30'05"W		
36	35'03"N 116 26'03"W		
36	36'30"N 116 18'37"W		
36	36'38"N 116 29'31"W		
36	37'41"N 116 19'27"W		
36	37'47"N 116 18'06"W		
36	38'04"N 116 18'11"W		
36	38'11"N 116 20'36"W		
36	38'15"N 116 22'31"W		
36	39'33"N 116 26'51"W		
36	39'45"N 116 29'30"W		
36	39'48"N 116 32'34"W		
36	45'14"N 116 23'40"W		
36	45'16"N 116 23'38"W		
36	45'19"N 116 23'38"W		
36	46'04"N 116 20'38"W		
36	46'37"N 116 19'04"W		
36	47'08"N 116 25'45"W		
36	47'15"N 116 32'08"W		
36	47'25"N 116 17'31"W		
36	47'32"N 116 23'03"W		
36	47'43"N 116 33'36"W		
36	47'44"N 116 33'38"W		
36	47'46"N 116 31'31"W		
36	47'50"N 116 31'31"W		
36	47'53"N 116 34'03"W		
36	48'03"N 116 34'34"W		
36	49'07"N 116 21'36"W		
36	49'09"N 116 23'50"W		

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS990209315213.010	WATER CHEMISTRIES FOR WATER SAMPLES COLLECTED FROM 11/4/92 TO 11/8/92 BY E. GUTENTAG AND J. WATSON.  ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO	11/01/92-02/28/93	STANDARD USGS-NWQL (APPROVED VENDOR) LAB ANALYSIS METHODS	A Y P
GS990309315213.013	SOIL CHEMISTRIES OF SAMPLES FROM PLAYAS COLLECTED 3/22/92 - 3/28/92.  ACQN/DEVL LOCATION : USGS BRANCH OF GEOCHEMISTRY, DENVER, CO	04/01/92-07/08/92	LAB ANALYSIS BY APPROVED VENDOR; STANDARD USGS BRANCH OF GEOCHEMISTRY LAB PROCEDURES AND METHODS.	A Y P
GS990408315213.014	NWQL WATER CHEMISTRIES FROM WATER SAMPLES COLLECTED DURING FIELD-COLLECTION TRIP OF MARCH 7-12, 1993.  ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO	03/18/93-04/02/93	STANDARD USGS NATIONAL WATER QUALITY LAB ANALYTICAL LABORATORY METHODS.	A Y P
GS990508315213.015	WATER CHEMISTRIES OBTAINED FROM WATER SAMPLES COLLECTED DURING 8-29-88 TO 9-1-88 AND 9-20-88 TO 9-22-88 FIELD TRIPS.  ACQN/DEVL LOCATION : USGS-NWQL, DENVER, CO	10/25/88-09/26/89	LAB ANALYSIS BY APPROVED VENDOR; STANDARD USGS-NWQL LAB PROCEDURES AND METHODS.	A N P
GS990508315213.016	USGS NWQL WATER CHEMISTRIES FOR WATER SAMPLES COLLECTED FROM 09-26-89 TO 09-28-89.  ACQN/DEVL LOCATION : USGS NWQL, DENVER	09/30/89-10/30/89	LAB ANALYSIS BY APPROVED VENDOR; STANDARD USGS-NWQL METHODS AND PROCEDURES	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*5S930708315213.007	BEDLOAD AND BED MATERIAL SAMPLE ANALYSIS FORMS/DATA FOR GROUNDWATER RECHARGE ESTIMATES, AMARGOSA RIVER BASIN.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/90-01/01/92	YMP-USGS HP-205T, R0, SELECTION OF SITES AND COLLECTION OF DATA FOR CHANNEL GEOMETRY MEASUREMENTS	A Y P
*5S930708315213.017	WATER BALANCE DATA, INCLUDING PRECIPITATION RECORDS, FOR GROUND WATER RECHARGE ESTIMATES, AMARGOSA RIVER BASIN.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/90-01/01/92	DATA DERIVED FROM REPEATED USE OF A DISTRIBUTED PARAMETER RUN-OFF SIMULATION MODEL, FROM FIELD OBSERVATIONS OF STREAM CHANNELS, FROM LONG TERM PRECIPITATION RECORDS AND USE OF AGRICULTURAL FIELD SCALE WATER BALANCE MODEL.	A N P
*5S930708315213.018	WATER CHEMISTRY AND OSTRACODE OCCURRENCE FROM SPRINGS IN COLORADO, KANSAS, AND NEW MEXICO: BASIC DATA, BY E.D. GUTENTAG, J.S. DOWNEY, R.M. FORESTER, K.L. CONRAD AND J.M. WATSON.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/92-10/01/93	DETERMINE AND PRESENT THE RELATIONSHIP BETWEEN OSTRACODE OCCURRENCE AND PHYSICAL/CHEMICAL HYDROLOGIC PARAMETERS. SOME OSTRACODE SPECIES NAMES WERE REVISED WHERE APPROPRIATE.	D N P
*5S930908315213.019	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 P



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.5.2.1.4				
GS910209315214.001	RAW DATA FROM CHLORIDE LEACHING TEST. THE COLLECTION PERIOD IS FROM 7/30/87 TO 11/90. THE RAW DATA IS IN THE FORM OF LOG BOOKS, STRIP CHARTS, LABORATORY DATA SHEETS.	07/30/87-11/30/90	PLEASE REFER TO TECHNICAL PROCEDURE HP-183, REVISION 1 FOR DETAILS CONCERNING TEST AND COLLECTION METHODS.	A Y C
ACQN/DEVL LOCATION : USGS				
GS910508315214.002	WEATHER DATA COLLECTED AT THE KAWICH CREEK BASE SITE FROM OCTOBER, 1985, TO MAY, 1989.	11/11/85-05/24/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170,R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC. 107 TEMPERATURE PROBE.	A N P
ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W				
GS910708315214.003	METEOROLOGICAL, DISCHARGE, AND WATER-QUALITY DATA FOR 1986 THROUGH 1991 FROM TWO BASINS IN CENTRAL NEVADA, BY P.W. MCKINLEY AND THOMAS OLIVER	09/01/90-08/31/93	DATA WAS DEVELOPED INTO DAILY VALUE TABLES D N P USING THE NATIONAL WATER INFORMATION SYSTEM (NWIS) DATABASE.	D N P
ACQN/DEVL LOCATION : USGS, DENVER				
GS910908315214.004	WEATHER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM JANUARY, 1986, TO MAY, 1989.	01/11/86-05/25/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170,R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC. 107 TEMPERATURE PROBE.	A N P
ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS911108315214.005	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM MAY, 1989, TO SEPTEMBER, 1990. THESE DATA COLLECTED USING A PARSHALL FLUME.	05/03/89-09/30/90	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-54,R0, WATER-FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS, AND HP-57,R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS.	A Y P
	ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W			
GS911108315214.006	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM SEPTEMBER, 1986, TO MAY, 1989. THESE DATA COLLECTED USING A PARSHALL FLUME.	09/27/88-05/02/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-54,R0, WATER-FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS, AND HP-57,R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS.	A N P
	ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W			
GS911108315214.007	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM DECEMBER, 1986, TO MAY, 1989. THESE DATA COLLECTED USING A 90 DEGREE V-NOTCH WEIR.	12/02/86-05/25/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-54,R0, WATER-FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS, AND HP-172,R0, WATER LEVEL MEASUREMENT USING A TEN-TURN POTENTIOMETER.	A N P
	ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W			
GS911108315214.008	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM MAY, 1989, TO SEPTEMBER, 1990. THESE DATA COLLECTED USING A 90 DEGREE V-NOTCH WEIR.	05/25/89-09/22/90	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-54,R0, WATER FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS, AND HP-172,R0, WATER LEVEL MEASUREMENTS USING A TEN-TURN POTENTIOMETER.	A Y P
	ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS911108315214.009	CASSETTE TAPES FOR THE STEWART BASIN AND KAWICH BASIN ANALOG RECHARGE SITES FOR THE 1991 WATER YEAR.	09/22/90-09/25/91	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-54,R0, WATER-FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARPELS; HP-57,R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS; HP-97,R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170,R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC. 107 TEMPERATURE PROBE; HP-172,R0, WATER LEVEL MEASUREMENT USING A TEN-TURN POTENTIOMETER; AND HP-198,R1, MEASUREMENT OF WIND SPEED AND WIND DIRECTION USING THE 05103 R.M. YOUNG WIND MONITOR.	A Y P
ACQN/DEVL LOCATION : 37 57'19"N 117 21'37"W ;38 53'23"N 116 25'23"W				
GS911108315214.010	ADR TAPES FROM 6" AND 9" PARSHALL FLUMES FROM SURFACE WATER SITES AT STEWART CREEK AND KAWICH CREEK FOR THE 1991 WATER YEAR.	09/24/90-09/25/91	DATA WAS ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-54,R0.	A Y P
ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W ;37 57'05"N 116 27'02"W				
GS920108315214.001	SCIENTIFIC NOTEBOOK FOR ESTIMATION OF LEAF AREA INDEX IN PLANT CANOPIES FOR STEWART BASIN AND KAWICH BASIN FOR THE PERIOD OF JUNE 1991 TO DECEMBER 1991.	06/02/91-10/07/91	DATA WAS ACQUIRED USING HP-217T, R0.	A Y P
ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W ;37 57'43"N 116 25'28"W 38 53'01"N 117 21'10"W ;38 53'24"N 117 21'36"W				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920108315214.002	SCIENTIFIC NOTEBOOK FOR THE MEASUREMENT OF EVAPOTRANSPIRATION USING EDDY CORRELATION METHODS IN STEWART BASIN AND KAWICH BASIN FOR THE PERIOD FROM JUNE 1991 TO DECEMBER 1991.	06/10/91-10/24/91	DATA WAS ACQUIRED USING HP-215T, RO.	A Y P
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W ;37 57'43"N 116 25'28"W 38 53'01"N 117 21'10"W ;38 53'24"N 117 21'36"W			
GS920108315214.003	SCIENTIFIC NOTEBOOK FOR THE MEASUREMENT OF EVAPOTRANSPIRATION USING BOWEN RATIO METHODS IN STEWART BASIN AND KAWICH BASIN FOR THE PERIOD FROM JUNE 1991 TO DECEMBER 1991.	06/02/91-10/07/91	DATA WAS ACQUIRED USING HP-214T, RO.	A Y P
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W ;37 57'43"N 116 25'28"W 38 53'01"N 117 21'10"W ;38 53'24"N 117 21'36"W			
GS920108315214.004	SCIENTIFIC NOTEBOOK FOR THE MEASUREMENT OF TRANSPIRATION USING CHAMBER METHODS IN STEWART BASIN AND KAWICH BASIN FOR THE PERIOD FROM JUNE 1991 TO DECEMBER 1991.	06/06/91-10/07/91	DATA WAS ACQUIRED USING HP-226T, RO.	A Y P
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W ;37 57'43"N 116 25'28"W 38 53'01"N 117 21'10"W ;38 53'24"N 117 21'36"W			
GS920408315214.005	WEATHER DATA FROM KAWICH PEAK INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION AND HUMIDITY.	09/22/90-09/25/91	THESE DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-97, HP-168, AND HP-170.	A Y P
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T O D U L I A O F L C I A T F T Y I I P E O E D N
SS920408315214.006	WEATHER DATA FROM VEG SPRING WEATHER EQUIPMENT IN STEWART BASIN INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION AND HUMIDITY.  ACQN/DEVL LOCATION : 38 53'94"N 117 21'13"W	09/25/90-09/24/91	THESE DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-97, HP-168, AND HP-170 AND HP-198.	A Y P
SS920408315214.007	WEATHER DATA INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, HUMIDITY, WIND SPEED AND WIND DIRECTION FROM STEWART CREEK..  ACQN/DEVL LOCATION : 38 53'18"N 117 21'36"W	09/24/90-09/24/91	THESE DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-97, HP-168, AND HP-170 AND HP-198.	A Y P
SS920408315214.008	WEATHER DATA FROM KAWICH BASE WEATHER SITE, INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, HUMIDITY, WIND SPEED AND WIND DIRECTION.  ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W	09/22/90-09/25/91	THESE DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-97, HP-168, AND HP-170 AND HP-198.	A Y P
SS920508315214.009	PRECIPITATION DATA FROM KAWICH BASE WEATHER STATION FROM SEPTEMBER 1985 TO MAY 1989.  ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W	09/25/85-05/24/89	DATA WERE ACQUIRED USING HP-167, RO, PRECIPITATION MEASUREMENT USING BELFORT WEIGHING RAIN GAGE.	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920508315214.010	PRECIPITATION DATA FROM KAWICH BASE WEATHER STATION FROM MAY 1989 TO SEPTEMBER 1990.  ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W	05/24/89-09/23/90	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A Y P
GS920508315214.011	PRECIPITATION DATA FROM KAWICH BASE WEATHER STATION FROM SEPTEMBER 1990 TO SEPTEMBER 1991.  ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W	09/23/90-09/25/91	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A Y P
GS920508315214.012	PRECIPITATION DATA FROM KAWICH PEAK WEATHER STATION FROM SEPTEMBER 1988 TO MAY 1989.  ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W	09/24/88-05/24/89	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A N P
GS920508315214.013	PRECIPITATION DATA FROM KAWICH PEAK WEATHER STATION FROM MAY 1989 TO SEPTEMBER 1990.  ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W	05/24/89-09/23/90	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A Y P
GS920508315214.014	PRECIPITATION DATA FROM KAWICH PEAK WEATHER STATION FROM SEPTEMBER 1990 TO SEPTEMBER 1991.  ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W	09/23/90-09/25/91	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920508315214.015	PRECIPITATION DATA FROM STEWART BASE WEATHER STATION FROM SEPTEMBER 1985 TO MAY 1989.  ACQN/DEVL LOCATION : 38 53'18"N 117 21'37"W	09/27/85-05/25/89	DATA WERE ACQUIRED USING HP-167,RO, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A N P
GS920508315214.016	PRECIPITATION DATA FROM STEWART BASE WEATHER STATION FROM MAY 1989 TO SEPTEMBER 1990.  ACQN/DEVL LOCATION : 38 53'18"N 117 21'37"W	05/25/89-09/24/90	DATA WERE ACQUIRED USING HP-167,RO, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A Y P
GS920508315214.017	PRECIPITATION DATA FROM STEWART BASE WEATHER STATION FROM SEPTEMBER 1990 TO SEPTEMBER 1991.  ACQN/DEVL LOCATION : 38 53'18"N 117 21'37"W	09/24/90-09/24/91	DATA WERE ACQUIRED USING HP-167,RO, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A Y P
GS920508315214.018	PRECIPITATION DATA FROM VEG SPRING WEATHER STATION FROM OCTOBER 1986 TO MAY 1989  ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"W	10/09/86-05/25/89	DATA WERE ACQUIRED USING HP-167,RO, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A N P
GS920508315214.019	PRECIPITATION DATA FROM VEG SPRING WEATHER STATION FROM MAY 1989 TO SEPTEMBER 1990.  ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"W	05/25/89-09/25/90	DATA WERE ACQUIRED USING HP-167,RO, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A Y P

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DATA TRAINING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		T D I F I T Y P E
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JS920508315214.020	PRECIPITATION DATA FROM VEG SPRING WEATHER STATION FROM SEPTEMBER 1990 TO SEPTEMBER 1991.  ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"W	09/25/90-09/24/91	DATA WERE ACQUIRED USING HP-167, R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A Y P	
JS920508315214.021	SNOW SURVEY NOTES FOR VEG SPRING FOR THE 1988 WATER YEAR AND THE 1989 WATER YEAR.  ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"W	04/05/88-02/22/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT	A N P	
JS920508315214.022	SNOW SURVEY NOTES FOR VEG SPRING FOR THE 1990 WATER YEAR.  ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"W	01/30/90-04/30/90	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	A Y P	
JS920508315214.023	SNOW SURVEY NOTES FOR VEG SPRING FOR THE 1991 WATER YEAR.  ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"W	01/29/91-01/29/91	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	A Y P	
JS920508315214.024	SNOW SURVEY NOTES FOR STEWART BASE FOR THE 1988 WATER YEAR AND THE 1989 WATER YEAR.  ACQN/DEVL LOCATION : 38 53'18"N 117 21'37"W	04/05/88-02/22/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	A N P	



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920508315214.025	SNOW SURVEY NOTES FOR STEWART BASE FOR THE 1990 WATER YEAR.	01/31/90-04/03/90	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, RO, METHOD FOR MEASURING SNOW WATER CONTENT.	A Y P
	ACQN/DEVL LOCATION : 38 53'18"N 117 21'37"W			
GS920508315214.026	SNOW SURVEY NOTES FOR STEWART BASE FOR THE 1991 WATER YEAR.	01/29/91-01/29/91	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, RO, METHOD FOR MEASURING SNOW WATER CONTENT.	A Y P
	ACQN/DEVL LOCATION : 38 53'18"N 117 21'37"W			
GS920508315214.027	SNOW SURVEY NOTES FOR KAWICH BASE FOR THE 1989 WATER YEAR.	02/23/89-02/23/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, RO, METHOD FOR MEASURING SNOW WATER CONTENT.	A N P
	ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W			
GS920508315214.028	SNOW SURVEY NOTES FOR KAWICH BASE FOR THE 1990 WATER YEAR.	01/30/90-01/30/90	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, RO, METHOD FOR MEASURING SNOW WATER CONTENT.	A Y P
	ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W			
GS920508315214.029	SNOW SURVEY NOTES FOR KAWICH PEAK FOR THE 1989 WATER YEAR.	02/23/89-02/23/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, RO, METHOD FOR MEASURING SNOW WATER CONTENT.	A N P
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
US920508315214.030	SNOW SURVEY NOTES FOR KAWICH PEAK FOR THE 1990 WATER YEAR.	01/30/90-01/30/90	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	A Y P
ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W				
US920508315214.031	SNOW SURVEY NOTES FOR KAWICH PEAK FOR THE 1991 WATER YEAR.	01/30/91-01/30/91	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	A Y P
ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W				
US920508315214.032	ISOTOPE CONTENT AND TEMPERATURE OF PRECIPITATION IN SOUTHERN NEVADA, AUGUST 1983 - AUGUST 1996, BY MILNE, BENSON, AND MCKINLEY.	08/09/83-08/27/96	DATA WERE ACQUIRED PRIOR TO THE APPROVAL OF THE QA PROGRAM BUT THE ACQUISITION METHOD WAS THE SAME AS IN THE FOLLOWING HYDROLOGIC PROCEDURES: HP-16, R3, COLLECTION AND PRESERVATION OF ATMOSPHERIC PRECIPITATION SAMPLES FOR DEUTERIUM AND OXYGEN-18 ANALYSIS; HP-91, R3, COLLECTION AND FIELD ANALYSIS OF SURFACE-WATER SAMPLES; HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE; AND HP-179, R2, FIELD MEASUREMENT OF PRECIPITATION USING A TIPPING BUCKET RAIN GAGE. THE METHODS ARE ALSO OUTLINED IN THE DATA REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER				

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DATA TRACKING No.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS921208315214.033	WEATHER DATA FROM KAWICH PEAK WEATHER STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, AND HUMIDITY.	09/25/91-09/17/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-97,R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170,R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	A Y P
ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W				
GS921208315214.034	WEATHER DATA FROM KAWICH BASE WEATHER STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, HUMIDITY, WIND SPEED, AND WIND DIRECTION.	09/25/91-09/17/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-97,R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170,R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE; AND HP-198,R1, MEASUREMENT OF WIND SPEED AND WIND DIRECTION USING THE 05103 R.M. YOUNG WIND METER.	A Y P
ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W				
GS921208315214.035	WEATHER DATA FROM VEG SPRING WEATHER STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, AND HUMIDITY.	09/24/91-09/16/92	DATA WERE ACQUIRED USING THE FOLLOWING HPS: HP-97,R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170,R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	A Y P
ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"W				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930104315214.003	CHEMICAL ANALYSIS OF SURFACE-WATER, SPRING, AND PRECIPITATION SAMPLES COLLECTED FROM KAWICH AND STEWART CREEK BASINS FROM SEPTEMBER, 1984, TO APRIL, 1989. SAMPLES ANALYZED FOR ANIONS, CATIONS, STABLE ISOTOPES, PHYSICAL PARAMETERS.	09/19/84-04/12/89	STANDARD USGS CENTRAL LABORATORY ANALYSIS PROCEDURES.	A N P
ACQN/DEVL LOCATION : USGS CENTRAL LAB, ARVADA, CO				
GS930108315214.004	CHEMICAL ANALYSIS OF SURFACE-WATER, SPRING, AND PRECIPITATION SAMPLES COLLECTED FROM KAWICH AND STEWART CREEK BASINS FROM MAY, 1989, TO SEPTEMBER, 1991. SAMPLES ANALYZED FOR ANIONS, CATIONS, STABLE ISOTOPES, PHYSICAL PARAMETERS.	05/24/89-09/25/91	STANDARD USGS CENTRAL LABORATORY ANALYSIS PROCEDURES.	A Y P
ACQN/DEVL LOCATION : USGS CENTRAL LAB, ARVADA, CO				
GS930408315214.005	SURFACE WATER DATA COLLECTED AT THE KAWICH CREEK BASE SITE FROM DECEMBER 1986 TO MAY 1989. THESE DATA WERE COLLECTED USING A 90 DEGREE V-NOTCH WEIR.	12/03/86-05/24/89	DATA WERE ACQUIRED USING HP-54, R0, WATER-FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS AND HP-172, R0, WATER LEVEL MEASUREMENT USING A TEN-TURN POTENTIOMETER.	A N P
ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930408315214.006	SURFACE WATER DATA COLLECTED AT THE KANICH CREEK BASE SITE FROM MAY 1989 TO SEPTEMBER 1991. THESE DATA WERE COLLECTED USING A 90 DEGREE V-NOTCH WEIR.  ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W	05/24/89-09/30/91	DATA WERE ACQUIRED USING HP-54,R0, WATER-FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS AND HP-172,R0, WATER LEVEL MEASUREMENT USING A TEN-TURN POTENTIOMETER.	A Y P
GS930408315214.007	SURFACE WATER DATA COLLECTED AT THE KANICH CREEK BASE SITE FROM SEPTEMBER 1988 TO MAY 1989. THESE DATA WERE COLLECTED USING A FLUME.  ACQN/DEVL LOCATION : 37 57'05"N 116 27'02"W	09/24/88-05/24/89	DATA WERE ACQUIRED USING HP-54,R0, WATER-FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS AND HP-57,R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS.	A N P
GS930408315214.008	SURFACE WATER DATA COLLECTED AT THE KANICH CREEK BASE SITE FROM MAY 1989 TO SEPTEMBER 1991. THESE DATA WERE COLLECTED USING A FLUME.  ACQN/DEVL LOCATION : 37 57'05"N 116 27'02"W	05/24/89-09/30/91	DATA WERE ACQUIRED USING HP-54,R0, WATER-FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS AND HP-57,R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS.	A Y P
*GS930708312291.003	MULTIDISCIPLINARY HYDROLOGIC INVESTIGATIONS AT YUCCA MOUNTAIN, NEVADA, BY WILLIAM W. DUDLEY, JR.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/89-02/05/90	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED MATERIAL.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*JS930708315214.001	WEATHER DATA FROM KAWICH BASE WEATHER STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE AND SOLAR RADIATION FROM MAY 1989 TO SEPTEMBER 1990.	05/24/89-09/22/90	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170,R0 AND R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	A Y P
ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W				
*JS930708315214.002	WEATHER DATA FROM STEWART BASE WEATHER STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE AND SOLAR RADIATION FROM MAY 1989 TO SEPTEMBER 1990.	05/25/89-09/24/90	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170,R0 AND R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	A Y P
ACQN/DEVL LOCATION : 38 53'18"N 117 21'36"W				
*GS930708315214.009	WEATHER DATA FROM KAWICH PEAK WEATHER STATION INCLUDING AIR TEMPERATURE AND SOIL TEMPERATURE FROM SEPTEMBER 1988 TO MAY 1989.	09/24/88-05/24/89	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURE: HP-170,R0, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	A N P
ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W				
*JS930708315214.010	WEATHER DATA FROM KAWICH PEAK WEATHER STATION INCLUDING AIR TEMPERATURE AND SOIL TEMPERATURE FROM MAY 1989 TO SEPTEMBER 1990.	05/24/89-09/22/90	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-170,R0 AND R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	A Y P
ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930708315214.011	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM SEPTEMBER 1990 TO SEPTEMBER 1991. THESE DATA WERE COLLECTED USING A 90 DEGREE V-NOTCH WEIR.	09/22/90-09/30/91	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-54,RO, WATER FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS; AND HP-172,RO, WATER LEVEL MEASUREMENT USING A TEN-TURN POTENTIOMETER.	A Y P
ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W				
*GS930708315214.012	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM OCTOBER 1990 TO SEPTEMBER 1991. THESE DATA WERE COLLECTED USING A PARSHALL FLUME.	10/01/90-09/30/91	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-54,RO, WATER FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS; AND HP-57,R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDER.	A Y P
ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W				
*GS930708315214.013	WEATHER DATA FROM VEG SPRING WEATHER STATION INCLUDING AIR TEMPERATURE AND SOIL TEMPERATURE FROM SEPTEMBER 1988 TO MAY 1989.	09/27/88-05/25/89	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURE: HP-170,RO, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	A N P
ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"W				
*GS930708315214.014	WEATHER DATA FROM VEG SPRING WEATHER STATION INCLUDING AIR TEMPERATURE AND SOIL TEMPERATURE FROM MAY 1989 TO SEPTEMBER 1990.	05/25/89-09/25/90	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-170,RO AND R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	A Y P
ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"W				



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930808315214.016	FIELD NOTES FOR THE ANALOG RECHARGE PROJECT FROM NOVEMBER 1989 TO APRIL 1992.	11/07/89-04/27/92	DATA ACQUIRED USING THE FOLLOWING HPS: HP-16,R3, COLLECTION OF ATM PRECIP SAMPLES FOR H-2 AND O-18 ANALYSIS; HP-54,R0 AND R1, WATER-FLOW MMT USING WEIRS, FLUMES, AND BARRELS; HP-57, R1, USING WATER-LEVEL RECORDERS; HP-91,R2 AND R3, COLLECTION AND ANALYSIS OF SURFACE-WATER SAMPLES; HP-97, R0 AND R1, MMT OF TEMP AND RH USING A CSI 207 PROBE; HP-165,R0, MEASURING SNOW WATER CONTENT; HP-166,R0 AND R1, STREAM DISCHARGE MMT USING A PYGMY CURRENT METER; HP-167,R0, PRECIP MMT USING A BELFORT WEIGHING RAIN GAGE; HP-168,R0, MMT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170,R0 AND R1, MEASURING TEMP USING A CSI 107 PROBE; HP-171,R0 AND R1, LOW TENSION VADOSE MOISTURE SAMPLING; HP-172, R0, WATER LEVEL MMT USING A TEN-TURN POT; HP-184,R0 AND R1, COLLECTION OF ATM PRECIP SAMPLES FOR CHEMICAL ANALYSIS; AND HP-194, R0, R0-MOD 1, AND R1, MMT OF WIND SPEED AND DIRECTION USING A RM YOUNG WIND MONITOR.	A Y P
ACQN/DEVL LOCATION : 37 57'19"N 117 21'37"W ; 38 53'23"N 116 25'23"W				
*GS930808315214.029	FIELD NOTES FOR THE ANALOG RECHARGE PROJECT FROM SEPTEMBER 1984 TO SEPTEMBER 1989.	09/18/84-09/28/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-16,R1 AND R2, COLLECTION AND PRESERVATION OF ATMOSPHERIC PRECIP SAMPLES FOR H-2 AND O-18; HP-54,R1, WATER-FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS; HP-57, R0 AND R1, USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS; HP-91,R0, COLLECTION AND FIELD ANALYSIS OF SURFACE-WATER SAMPLES; HP-165,R0, MEASURING SNOW WATER CONTENT; HP-166,R0, STREAM DISCHARGE MEASUREMENT USING A PYGMY CURRENT METER; HP-167,R0, PRECIP MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE; HP-168,R0, MEASUREMENT OF ENERGY	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
			FLUX DENSITY BY A PYRANOMETER; HP-170, R0, MEASURING TEMPERATURE USING A CSI 107 TEMPERATURE PROBE; HP-171, R0, LOW TENSION VADOSE MOISTURE SAMPLING; HP-172, R0, WATER LEVEL MEASUREMENT USING A TEN-TURN POTENTIOMETER; HP-184, R0 COLLECTION AND PRESERVATION OF ATMOSPHERIC PRECIP SAMPLES FOR CHEMICAL ANALYSIS.	
			ACQN/DEVL LOCATION : 37 57'19"N 117 21'37"W ; 38 53'23"N 116 25'23"W	
*GS930908315214.017	WEATHER DATA FROM KANICH BASE WEATHER STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, HUMIDITY, WIND SPEED, AND WIND DIRECTION FOR SEPTEMBER, 1992.	09/17/92-09/30/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-97, R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168, R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE; AND HP-198, R1, MEASUREMENT OF WIND SPEED AND WIND DIRECTION USING THE 05103 R.M. YOUNG WIND METER.	A Y P
			ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W	
*GS930908315214.018	WEATHER DATA FROM KANICH PEAK WEATHER STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, AND HUMIDITY FOR SEPTEMBER, 1992.	09/17/92-09/30/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-97, R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168, R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	A Y P
			ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W	

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*05930908315214.019	WEATHER DATA FROM STEWART CREEK WEATHER STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, HUMIDITY, WIND SPEED, AND WIND DIRECTION FOR SEPTEMBER, 1992.	09/16/92-09/30/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-97, R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168, R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE; AND HP-198, R1, MEASUREMENT OF WIND SPEED AND WIND DIRECTION USING THE 05103 R.M. YOUNG WIND METER.	A Y P
ACQN/DEVL LOCATION : 38 53'18"N 117 21'36"W				
*05930908315214.020	WEATHER DATA FROM VEG SPRING WEATHER STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, AND HUMIDITY FOR SEPTEMBER, 1992.	09/16/92-09/30/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-97, R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168, R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	A Y P
ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"W				
*05930908315214.021	SURFACE WATER DATA COLLECTED AT THE KAWICH CREEK BASE SITE FROM OCTOBER, 1991, TO SEPTEMBER, 1992. THESE DATA COLLECTED USING A 90 DEGREE V-NOTCH WEIR.	10/01/91-09/30/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-54, R0 AND R1, WATER FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS; AND HP-172, R0, WATER LEVEL MEASUREMENTS USING A TEN-TURN POTENTIOMETER.	A Y P
ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
00000008115114.022	SURFACE WATER DATA COLLECTED AT THE KAWICH CREEK BASE SITE FROM OCTOBER, 1991, TO SEPTEMBER, 1992. THESE DATA COLLECTED USING A PARSHALL FLUME.	10/01/91-09/30/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-54, PO AND R1, WATER FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS; AND HP-57, R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS.	A Y P
ACQN/DEVL LOCATION : 37 57'05"N 116 27'02"W				
00000008115214.023	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM OCTOBER, 1991, TO SEPTEMBER, 1992. THESE DATA COLLECTED USING A 90 DEGREE V-NOTCH WEIR.	10/01/91-09/30/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-54, RO AND R1, WATER FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS; AND HP-172, PO, WATER LEVEL MEASUREMENTS USING A TEN-TURN POTENTIOMETER.	A Y P
ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W				
00000008115114.024	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM OCTOBER, 1991, TO SEPTEMBER, 1992. THESE DATA COLLECTED USING A PARSHALL FLUME.	10/01/91-09/30/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-54, RO AND R1, WATER FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS; AND HP-57, R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS.	A Y P
ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W				
00000008115214.025	PRECIPITATION DATA FROM KAWICH BASE WEATHER STATION FROM SEPTEMBER, 1991, TO DECEMBER, 1992.	09/25/91-12/03/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURE: HP-167, RO, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A Y P
ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930908315214.026	PRECIPITATION DATA FROM KAWICH PEAK WEATHER STATION FROM SEPTEMBER, 1991, TO FEBRUARY, 1993.	09/25/91-02/03/93	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURE: HP-167, RO, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A Y P
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W			
*GS930908315214.027	PRECIPITATION DATA FROM STEWART BASE WEATHER STATION FROM SEPTEMBER, 1991, TO FEBRUARY, 1993.	09/24/91-02/02/93	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURE: HP-167, RO, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A Y P
	ACQN/DEVL LOCATION : 38 53'18"N 117 21'37"W			
*GS930908315214.028	PRECIPITATION DATA FROM VEG SPRING WEATHER STATION FROM SEPTEMBER, 1991, TO FEBRUARY, 1993.	09/24/91-02/02/93	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURE: HP-167, RO, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	A Y P
	ACQN/DEVL LOCATION : 36 53'04"N 117 21'13"W			
*930908315214.030	CHEMICAL ANALYSIS OF SURFACE-WATER, SPRING, AND PRECIPITATION SAMPLES COLLECTED FROM KAWICH AND STEWART CREEK BASINS FROM FEBRUARY, 1992, TO SEPTEMBER, 1992. SAMPLES ANALYZED FOR ANIONS, CATIONS, STABLE ISOTOPES, AND PHYSICAL PARAMETERS.	02/18/92-09/17/92	STANDARD USGS CENTRAL LABORATORY ANALYSIS PROCEDURES.	A Y P
	ACQN/DEVL LOCATION : USGS CENTRAL LAB, ARVADA, CO			

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GS900908315215.001	URANIUM THORIUM, ISOTOPIC ANALYSES AND URANIUM-SERIES AGES OF CALCITE AND OPAL, AND STABLE ISOTOPIC COMPOSITIONS OF CALCITE FROM DRILL CORES UE25A#1 (UE-25A #1), USW G-2, AND USW G-3/GU-3, YUCCA MOUNTAIN, NEVADA.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/83-12/31/83	USGS STANDARD COLLECTION METHODS.	D N T
GS900908315215.002	URANIUM-SERIES DATING OF SECONDARY CARBONATE AND SILICA PRECIPITATES RELATING TO FAULT MOVEMENTS IN THE NEVADA TEST SITE REGION, BY B.J. SZABO AND P.A. O'MALLEY  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/84-12/31/84	USGS STANDARD METHODS.	D N T
GS910508315215.002	CARBON AND OXYGEN ISOTOPE ANALYSIS OF CAVITY-AND FRACTURE-COATING CALCITE FROM DRILL CORES USW-G1, -G-2, -GU3, -G3, -G4 AND UE25B#1.  ACQN/DEVL LOCATION : USGS	12/03/90-01/22/91	ISOTOPIC ANALYSIS WAS PERFORMED ACCORDING TO PROCEDURES OUTLINED IN "CARBONATE CARBON AND OXYGEN ISOTOPE ANALYSES" NWM-USGS-GCP-16, R3.	D Y P
GS910508315215.003	THE CHEMICAL LABORATORY NOTEBOOKS USED FOR RECORDING SAMPLE INFORMATION, ION COLUMN EXCHANGE, SPIKE WEIGHTS (IF ANY) AND DATES SEPARATION OCCURRED. DATES: 5/3/89-5/9/91.  ACQN/DEVL LOCATION : USGS	05/03/89-05/09/91	NWM-USGS-GCP-12, R1-3, RB-SR, ISOTOPE GEOCHEMISTRY.	A Y P

## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
5591508315215.003	THE CHEMICAL LABORATORY NOTEBOOKS USED FOR RECORDING SAMPLE INFORMATION, ION COLUMN EXCHANGE, SPIKE WEIGHTS (IF ANY) AND DATES SEPARATION OCCURRED. DATES: 5/3/89-5/9/91.  ACQN/DEVL LOCATION : USGS	05/03/89-05/09/91	NWM-USGS-GCP-12, R1-3, RB-SR, ISOTOPE GEOCHEMISTRY.	A Y P
5591508315215.004	MINERAL AND WHOLE ROCK SEPARATION AND LABORATORY PREP NOTEBOOKS. RECORDS OF SAMPLES CRUSHED, ALONG WITH DATES, AND SAMPLE DESCRIPTIONS. DATES: 5/3/89-5/9/91.  ACQN/DEVL LOCATION : USGS	05/03/89-05/09/91	NWM-USGS-GCP-12, R1-3, RB-SR, ISOTOPE GEOCHEMISTRY AND NWM-USGS-GCP-01, R1, MINERAL SEPARATION FOR GEOCHEMISTRY AND ISOTOPE ANALYSIS.	A Y P
5591508315215.005	LOGBOOKS FROM THE MASS SPECTROMETERS ON WHICH RB/SR AND SM/ND DATA IS OBTAINED. THIS INCLUDES THE SYE MICROMASS MULTIPLE SAMPLE COLLECTOR, THE NBS #2 6" AND NBS #1 6" SINGLE SAMPLE COLLECTORS. DATES: 5/3/89-5/9/91.  ACQN/DEVL LOCATION : USGS	05/03/89-05/09/91	NWM-USGS-GCP-12, R1-3, RB-SR ISOTOPE GEOCHEMISTRY.	A Y P
5591508315215.006	CALCITE-SILICA DATA FROM 9/19/89 TO 10/12/89. ROCKS FROM TOPOPAH SPRINGS, CALICO HILLS, PROW PASS, BULLFROG, TRAIN FORMATION, UNIT A, B, AND C, LITHIC RIDGE TUFF, FLOW BRECCIA, HD-32-1, HD-29, 5-4-89D, 5-489F.  ACQN/DEVL LOCATION : USGS	09/19/89-10/12/89	USGS TECHNICAL PROCEDURE NWM-USGS-GCP-13, REV 2, URANIUM THORIUM AND LEAD GEOCHEMISTRY (ISOTOPE GEOLOGY).	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
0041008315215.007	CALCITE-SILICA DATA FROM 5/88-12/88. TRENCH 14 - ISOTOPE DATA FOR PB, U, TH, TRENCH 14A AND BUSTED BUTTE.  ACQN/DEVL LOCATION : USGS	05/01/88-12/01/88	USGS TECHNICAL PROCEDURE NWM-USGS-GCP-13, REV 2, URANIUM, THORIUM, AND LEAD GEOCHEMISTRY (ISOTOPE GEO).	A Y P
0041008315215.008	CALCITE-SILICA DATA FROM 1-90 TO 3-90 FOR TRENCH 14. ISOTOPE DATA FOR LEAD, URANIUM AND THORIUM.  ACQN/DEVL LOCATION : USGS	01/01/90-03/01/90	USGS TECHNICAL PROCEDURE NWM-USGS-GCP-13, REVISION 2, URANIUM, THORIUM, AND LEAD GEOCHEMISTRY (ISOTOPE GEOLOGY).	A Y P
0041008315215.009	CALCITE-SILICA DATA FROM 3-90 TO 7-90 FOR LEAD, URANIUM, AND THORIUM ISOTOPES. DATA FROM TRENCH 14, TRENCH 14A, AND BUSTED BUTTE.  ACQN/DEVL LOCATION : USGS	03/01/90-07/01/90	USGS TECHNICAL PROCEDURE NWM-USGS-GCP-13, REVISION 2, URANIUM, THORIUM, AND LEAD GEOCHEMISTRY (ISOTOPE GEOLOGY).	A Y P
0041008315215.010	RAW DATA FOR FISSION-TRACK COUNTING AND CALIBRATION FOR TUFF SAMPLES COLLECTED BY W. CAHR.  ACQN/DEVL LOCATION : BUSTED BUTTE TRENCH 14	01/26/89-02/08/91	FISSION-TRACK DATING OF CALIBRATION STANDARDS (ZIRCON FC-3) AND GEOLOGIC MATERIAL COLLECTED FOR YMP.	A Y P
0041008315215.013	B7SR/B6SR ANALYSIS OF BAILED WATER SAMPLE FROM DRILL HOLE UE25P#1, YUCCA MOUNTAIN NEVADA.  ACQN/DEVL LOCATION : UE25P#1	06/12/90-06/19/90	NWM-USGS-GCP-12, RB-SR ISOTOPE GEOCHEMISTRY	A Y P



## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS911208315215.014	ANALYTICAL RESULTS OF URANIUM AND URANIUM ACTIVITY RATIOS IN WELDED TUFF AND QUATERNARY ALLUVIUM AQUIFERS.  ACQN/DEVL LOCATION : FRENCHMAN FLAT JACKASS FLAT	02/13/89-02/13/89	NWM-USGS-GCP-03	A N C
GS911208315215.015	ANALYTICAL RESULTS OF URANIUM, THORIUM, AND URANIUM ACTIVITY RATIOS IN WATER SAMPLES FROM J-12, J-13, WT-1, WT-7, WT-10, WT-17, VH-2. SAMPLES WT-1, WT-7, WT-10, AND WT-17 ARE SUSPECT. THEY ARE SCOPING SAMPLES AS WELL.  ACQN/DEVL LOCATION : J-12 J-13 VH-2 WT-1 WT-10 WT-17 WT-7	06/01/90-06/01/91	ANALYTICAL RESULTS WERE OBTAINED PER NWM-USGS-GCP-03, R2. URANIUM-SERIES DATING. SAMPLES WERE COLLECTED PER NWM-USGS-GCP-23T, R0, BAILED WATER SAMPLING PROCEDURE.	A Y F
GS911208315215.016	CALCITE VALUES OF SAMPLES FROM DRILL HOLES USW G-2, G-3/GU-3, USW G-1, USW G-4, UE25 A#1, UE25 B#1, AND P#1  ACQN/DEVL LOCATION : UE25 A#1, UE25 B#1 UE25 P#1 USW G-1 USW G-2 USW G-3 USW G-4 USW GU-3	12/01/90-05/31/91	STABLE ISOTOPIC AND U-SERIES AGE DATA FROM A Y C CALCITE SAMPLES COLLECTED PER TECHNICAL PROCEDURE USGS GCP-16	

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DATA IDENTIFICATION	TITLE/DESCRIPTION	ACQ/DEVL PERIOD	ACQ/DEVL METHOD	T O D U L I A O F L C I A T F T Y I I P E O E D N
004 2 8 15.15	MINERAL AND WHOLE ROCK SEPARATION LABORATORY NOTEBOOKS RECORD SAMPLE DESCRIPTIONS, DATES SAMPLES WERE CRUSHED, INFORMATION ABOUT SAMPLES THAT WERE CRILLED, LEACHED HAND-PICKED OR OTHER SEPARATION WORK.	05/10/91-02/28/92	NWM-USGS-GCP-12, R3, AND NWM-USGS-GCP-07, R2.	A Y P
ACQ/DEVL LOCATION : USGS MINERAL SEPARATION LABORATORY				
003 2 6 15.15	IR AND SP, SM AND ND MASS SPECTROMETER DATA FROM THE 54E MICRO-MASS MULTIPLE SAMPLE COLLECTOR AND THE NR512 6" SINGLE SAMPLE COLLECTOR. LOGBOOK INFORMATION INCLUDES SAMPLE ID, DATES OF "RUN", ANY REPEATED ANALYSIS, POSSIBLE PROBLEMS WITH ANALYSIS, TYPE OF SAMPLE AND OPERATOR.	05/10/91-02/28/92	NWM-USGS-GCP-12, P3.	A Y P
ACQ/DEVL LOCATION : SOLID SOURCE MASS SPECTROMETER BAY, USGS				
002 008 15.15.004	"STRONTIUM ISOTOPE GEOCHEMISTRY OF CALCITE FRACTURE FILLING IN DEEP CORE, YUCCA MOUNTAIN, NEVADA - A PROGRESS REPORT" BY Z. PETERMAN, J. STUCKLESS, R. MARSHALL, S. MAHAN, AND K. FUTA.	01/06/92-02/14/92	ANALYTICAL AND INTERPRETIVE METHODS BASED ON THE AUTHORS' COMBINED EDUCATION AND WORK EXPERIENCE WERE USED TO DEVELOP THE REPORT.	D Y C
ACQ/DEVL LOCATION : USGS				

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DATA TRACKING NO	TITLE DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
0001000115215.010	RB AND SR CHEMICAL LABORATORY NOTEBOOKS CONTAINING INFORMATION ON COLUMN PLACEMENT FOR SAMPLES, ELUTIONS, CALIBRATIONS, SAMPLE AND SPIKE INFORMATION AND DATES SAMPLES WERE PUT THROUGH THE ION EXCHANGE COLUMN.	10/04/89-05/02/89	NWM-USGS-GCP-12, R0 AND R1.	A N F
ACQN/DEVL LOCATION : RB-SR CLEAN LABORATORY, USGS				
0001000115215.011	MINERAL AND WHOLE ROCK SEPARATION LABORATORY NOTEBOOKS RECORD SAMPLE DESCRIPTIONS, DATES SAMPLES WERE CRUSHED, INFORMATION ABOUT SAMPLES THAT WERE DRILLED, LEACHED HAND-PICKED OR OTHER SEPARATION WORK.	02/02/89-05/02/89	NWM-USGS-GCP-12, R1 AND NWM-USGS-GCP-07, R1	A N F
ACQN/DEVL LOCATION : MINERAL SEPARATION LABORATORY, USGS				
0001000115215.012	RB AND SR, SM AND ND MASS SPECTROMETER DATA FROM THE 54E MICROMASS MULTIPLE SAMPLE COLLECTOR AND THE NBS#2 6" SINGLE SAMPLE COLLECTOR. LOGBOOK INFORMATION INCLUDES SAMPLE ID, DATES OF "RUN", ANY REPEATED ANALYSIS, POSSIBLE PROBLEMS WITH ANALYSIS, TYPE OF SAMPLE AND OPERATOR.	04/08/88-05/02/89	NWM-USGS-GCP-12, R0 AND R1, RB-SR ISOTOPE GEOCHEMISTRY.	A N F
ACQN/DEVL LOCATION : SOLID MASS SPECTROMETER BAY, USGS				

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DATA TRACKING #	TITLE/DESCRIPTION	ACQ/DEVL PERIOD	ACQ/DEVL METHOD	
03/02/9315215.013	81 SR/86 SR MASS SPECTROMETER DATA AS OBTAINED BY THE 54E MICROMASS MULTIPLE SAMPLE COLLECTOR AND THE NBS#2 6" SINGLE SAMPLE COLLECTOR.	03/18/91-12/24/91	THIS IS A SUBSET EXTRACTED FROM A TWO SETS D Y C OF DATA. SEE ATTACHMENT 1 FOR A LISTING OF THE SELECTED DATA SET.	
ACQ/DEVL LOCATION : SOLID MASS SPECTROMETER BAY, USGS				
02/10/9215215.014	DELTA 87 SR VALUES ON ALL OF THE SAMPLES FROM SPRINGS AND WELLS IN THE ASH MEADOWS FLOW SYSTEM COLLECTED BY ISOTOPE GEOLOGY.	02/10/92-02/10/92	THIS IS A SUBSET OF DATA EXTRACTED FROM A SET OF MASS SPECTROMETER DATA PREVIOUSLY DOCUMENTED ON ACQUIRED DATA TDIFS.	D N C
ACQ/DEVL LOCATION : SOLID MASS SPECTROMETER BAY, USGS				
02/10/9215215.015	"STRONTIUM ISOTOPE CHARACTERIZATION OF THE ASH MEADOWS GROUND-WATER SYSTEM, SOUTHERN NEVADA" BY Z. PETERMAN, J. STUCKLESS, S. MAHAN, B. MARSHALL, E. GUTENTAG AND J. DOWNEY.	02/10/92-03/04/92	ANALYTICAL AND INTERPRETIVE METHODS BASED ON THE AUTHORS' COMBINED EDUCATION AND WORK EXPERIENCE WERE USED TO DEVELOP THE REPORT.	D N C
ACQ/DEVL LOCATION : USGS				
05/01/8815215.016	FB, U, AND TH ISOTOPIC DATA ON CALCITE-SILICA AND VOLCANIC ROCK SAMPLES FROM YUCCA MOUNTAIN, NEVADA, AND VICINITY	05/01/88-05/31/91	ANALYTICAL AND INTERPRETIVE METHODS BASED ON THE INVESTIGATOR'S EDUCATION AND WORK EXPERIENCE WERE USED TO DEVELOP THE DATA	D N P
ACQ/DEVL LOCATION : USGS				

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DATA TABLE NUMBER	TITLE OF STUDY	ACQ/DEVL PERIOD	ACQ/DEVL METHOD	FED C ED N
00000001500001	CAL AREA MICROFOSSIL STUDIES OF TRENCH 14 AND BUSTER BUTTE, DOE COUNTY, NEVADA	09/24/86-11/02/91	HP-78,R1, NONMARINE CALCAREOUS MICROFOSSIL A Y C SAMPLE PREPARATION AND DATA ACQUISITION PROCEDURES.	
	ACQ/DEVL LOCATION : USGS, DENVER			
00000001500002	CHRYSOPHYTE CYSTS - MICROFOSSIL STUDIES OF TRENCH 14 AND BUSTER BUTTE, NYE COUNTY, NEVADA	06/24/84-12/31/88	HP-76,R0, DIATOM ENUMERATION STUDIES	A N C
	ACQ/DEVL LOCATION : USGS, MENLO PARK			
00000001500003	URANIUM CONCENTRATIONS, ISOTOPIC ACTIVITY RATIOS, AND AGES OF CARBONATE DEPOSITS	07/03/86-07/15/86	METHODS DESCRIBED IN GCP-03,R0 & R1, URANIUM-SERIES DATING, & GCP-04,R0 & R1 URANIUM-TREND DATING.	A N C
	ACQ/DEVL LOCATION : USGS, DENVER			
00000001500004	URANIUM CONCENTRATIONS, ISOTOPIC ACTIVITY RATIOS, AND AGES OF CARBONATE DEPOSITS AND YUCCA MOUNTAIN AREA GROUND WATER	06/22/89-04/10/92	METHODS DESCRIBED IN GCP-03,R1, URANIUM-SERIES DATING, & GCP-04,R1 URANIUM-TREND DATING.	A Y C
	ACQ/DEVL LOCATION : USGS, DENVER			
00000001500005	U, TH, AND PB CONCENTRATIONS AND Pb ISOTOPIIC COMPOSITIONS OF CARBONATE-SILICATE VEINS, CALCRETE, & VOLCANIC ROCKS FROM YUCCA MOUNTAIN, NV.	09/01/89-05/31/91	SELECTION OF DATA FROM SOURCES. AVERAGE CONCENTRATIONS AND CARBONATE AND SILICATE PERCENTAGES CALCULATED BY LEACHING AND WEIGHING METHOD DESCRIBED IN THE DATA TABLES.	D Y C
	ACQ/DEVL LOCATION : USGS, DENVER			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
0041208315215.010	U-SERIES RAW DATA FROM 236U-229TH MIXED SPIKE CALIBRATION, BOTTLE #7, OBTAINED BEFORE 5/2/89.	01/15/88-07/04/88	YMP-USGS-GCP-03,R2 URANIUM-SERIES DATING ; A N C YMP-USGS-GCP-22,R0: SPIKE CALIBRATION FOR URANIUM-SERIES AND URANIUM-TREND ANALYSIS	
ACQN/DEVL LOCATION : USGS U-SERIES LABS, DENVER				
0041208315215.011	U-SERIES RAW DATA FROM 236U-229TH MIXED SPIKE CALIBRATION, BOTTLE #7.	01/03/90-01/31/91	YMP-USGS-GCP-03,R2 URANIUM-SERIES DATING ; A Y C YMP-USGS-GCP-22,R0: SPIKE CALIBRATION FOR URANIUM-SERIES AND URANIUM-TREND ANALYSIS	
ACQN/DEVL LOCATION : USGS U-SERIES LABS, DENVER				
0041208315215.032	U-SERIES RAW DATA FROM 236U-229TH MIXED SPIKE CALIBRATION, BOTTLE #7.	02/20/92-09/14/92	YMP-USGS-GCP-03,R2 URANIUM-SERIES DATING ; A Y C YMP-USGS-GCP-22,R0: SPIKE CALIBRATION FOR URANIUM-SERIES AND URANIUM-TREND ANALYSIS	
ACQN/DEVL LOCATION : USGS U-SERIES LABS, DENVER				
0041208315215.034	REDUCED SPIKE #7 CALIBRATION DATA WITH FINAL CONCENTRATION CALIBRATION CALCULATIONS	01/12/92-12/14/92	APPROPRIATE DATA REDUCTION AND ASSESSMENT AS DICTATED BY SCIENTIFIC REASONING AND EXPERIENCE OF THE PRINCIPAL INVESTIGATOR. FINAL CALIBRATION INCLUDES DATA COLLECTED PRIOR TO MAY 1989.	D N C
ACQN/DEVL LOCATION : USGS, U-SERIES LABS, DENVER				
0041208315215.036	DATA REDUCTION CALCULATIONS FOR DETERMINING CORRECTED CONCENTRATIONS, ISOTOPIC RATIOS AND AGES FOR QUATERNARY SPRING DISCHARGE DEPOSITS FROM CRATER FLAT, AND AMARGOSA VALLEY, NV.	08/01/92-12/10/92	APPROPRIATE DATA REDUCTION AND ASSESSMENT AS DICTATED BY SCIENTIFIC REASONING AND EXPERIENCE OF THE PRINCIPAL INVESTIGATOR.	D N C
ACQN/DEVL LOCATION : USGS U-SERIES LABS, DENVER				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
10011.00115.001	LATE QUATERNARY HISTORY AND URANIUM ISOTOPIC COMPOSITIONS OF GROUND WATER DISCHARGE DEPOSITS, CRATER FLAT, NEVADA: BY JAMES B. PAGES, EMILY M. TAYLOR, CHARLES A. BUSH.	08/12/92-12/30/92	INTERPRETATIONS AND CONCLUSIONS FROM DATA ARE BASED ON THE SCIENTIFIC REASONING AND EXPERIENCE OF THE PRINCIPAL INVESTIGATOR.	D N P
ACQN/DEVL LOCATION : USGS U-SERIES LABS, DENVER				
10011.00115.001	STRONTIUM ISOTOPIC EVIDENCE FOR A HIGHER WATER TABLE AT YUCCA MOUNTAIN, BY B.D. MARSHALL, Z.E. PETERMAN, AND J.S. STUCKLESS.	11/01/92-01/19/93	THIS REPORT SUMMARIZES STRONTIUM DATA PREVIOUSLY ANALYZED AND LINKS THOSE DATA TO OTHER STUDIES WHICH SUPPORT THE PRESENCE OF A HIGHER WATER TABLE AT YUCCA MOUNTAIN DURING THE QUATERNARY.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
10011.00315.002	ISOTOPIC STUDIES OF CAVITY FILLING AND FRACTURE COATING MINERALS AS AN AID TO UNDERSTANDING PALEOHYDROLOGY, YUCCA MOUNTAIN, NEVADA, USA, BY B.D. MARSHALL, J.S. STUCKLESS, Z.E. PETERMAN, AND J.F. WHELAN	10/01/92-12/08/92	THE STUDY OF FRACTURE COATINGS & OTHER OPEN-SPACE FILLINGS IN THE VOLCANIC ROCKS SUMMARIZED IN THE PUBLICATION IS AN EXTENSION OF PREVIOUS WORK EMPHASIZING SECONDARY MINERALS IN THE CALCAREOUS SOIL HORIZONS SURROUNDING THE SITE & A RECONNAISSANCE STUDY OF THE DEEPER FRACTURE FILLINGS THROUGHOUT THE ROCK MASS. THIS EARLY WORK FOCUSED ON THE ORIGIN OF THE LARGE CALCITE-SILICA DEPOSITS WHICH ARE PARTICULARLY WELL DEVELOPED ALONG FAULTS IN ORDER TO ESTABLISH THE NATURE OF THE FLUID FLUX WHICH LED TO THEIR DISPOSITION. OF PARTICULAR INTEREST IN THE CURRENT STUDY ARE QUESTIONS OF WHETHER CERTAIN MINERALS AND/OR THEIR ISOTOPIC COMPOSITIONS PROVIDE EVIDENCE FOR THEIR HYDROLOGIC ORIGINS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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ES930108315215.003	URANIUM, THORIUM AND LEAD ANALYSIS OF CALCITE- SILICA SAMPLES FROM BARE MTN., STRIPED HILLS, YUCCA MTN. DRILL CORES  ACQN/DEVL LOCATION : USGS, DENVER	04/06/92-10/02/92	USGS TECHNICAL PROCEDURE NWM-USGS-GCP-13, R2, URANIUM4, THORIUM, AND LEAD ISOTOPE GEOCHEMISTRY	A Y P
ES930108315215.004	LEAD ISOTOPIC COMPOSITION OF PALEOZOIC AND LATE PROTEROZOIC CARBONATE ROCKS IN THE VICINITY OF YUCCA MOUNTAIN, NV, BY R.E. PETERMAN AND L.M. KWAK.  ACQN/DEVL LOCATION : USGS, DENVER	10/01/92-12/08/92	THIS REPORT WAS DEVELOPED TO ASSIST IN DETERMINING WHETHER SECONDARY CARBONATE-BEARING COMPOUNDS, SUCH AS FOUND UBIQUITOUSLY IN CALCCRETES AND SHALLOW VEIN DEPOSITS, HAVE BEEN INTRODUCED INTO THE SURFACE AND NEAR SURFACE ENVIRONMENT ENTIRELY BY PEDOGENIC PROCESSES OR, IN PART, BY THE UPWARD MOVEMENT OF THE HYDROTHERMAL FLUIDS.	D Y P
ES930108315215.005	U AND SR IN GROUNDWATER AND CALCITE, YUCCA MOUNTAIN, NEVADA: EVIDENCE AGAINST UPWELLING WATER, BY J.S. STUCKLESS, Z.E. PETERMAN & D.R. MUHS.  ACQN/DEVL LOCATION : USGS, DENVER, CO	10/01/90-02/01/91	SR AND U ISOTOPIC COMPOSITIONS OF HYDROGENIC MATERIALS WERE USED TO TEST WHETHER THE DEPOSITS IN FAULT ZONES AT YUCCA MOUNTAIN COULD HAVE FORMED FROM UPWELLING OF DEEP-SEATED WATERS.	D N P
ES930108315215.006	CHARACTERIZATION OF FAULT-FILLING DEPOSITS IN THE VICINITY OF YUCCA MOUNTAIN, NEVADA, BY J.S. STUCKLESS, Z.E. PETERMAN, R.L. FORESTER, J.F. WHELAN, D.T. VANIMAN, B.D. MARSHALL AND E.M. TAYLOR  ACQN/DEVL LOCATION : USGS, DENVER, CO	10/01/91-12/31/91	CHARACTERIZATION OF CALCITE AND OPALINE SILICA VEIN-LIKE DEPOSITS THAT INFILL FAULTS AND FRACTURES IN THE VICINITY OF YUCCA MOUNTAIN.	D N C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E O E D N
05030108315215.007	RECONNAISSANCE CARBONATE CARBON AND OXYGEN ISOTOPE DATA FROM TRENCH 14, BUSTED BUTTE, AND DRILL HOLE (USW) G-4 YUCCA MOUNTAIN, NEVADA, TEST SITE, BY J. WHELAN AND J.S. STUCKLESS	11/01/89-12/31/89	ANALYSIS OF CARBONATE CARBON AND OXYGEN ISOTOPE VALUES OF CALCITE FROM THE YUCCA MOUNTAIN AREA TO DETERMINE TRENDS AND VARIATIONS OF THE TEMPERATURE OF CALCITE PRECIPITATION.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
05030108315215.008	PRELIMINARY STUDY OF LEAD ISOTOPES IN THE CARBONATE-SILICA VEINS OF TRENCH 14, YUCCA MOUNTAIN, BY R.E. ZARTMAN AND L.H. KNAK	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 P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
05030108315215.009	URANIUM-SERIES DATING OF SECONDARY CARBONATES NEAR YUCCA MOUNTAIN, NEVADA: APPLICATIONS TO TECTONIC, PALEOCLIMATIC AND PALEOHYDROLOGIC PROBLEMS BY D.R. MUNS, 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 P
ACQN/DEVL LOCATION : USGS, DENVER, CO.				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
1540108315215.010	AGES AND STABLE-ISOTOPE COMPOSITIONS OF SECONDARY CALCITE AND OPAL IN DRILL CORES FROM TERTIARY VOLCANIC ROCKS OF THE YUCCA MOUNTAIN AREA, NEVADA, BY B.J. SZABO AND T.K. KYSER.	04/01/87-05/23/89	AGES OF CALCITE, FREE OF ACID-INSOLUBLE RESIDUE, AND OF OPAL SAMPLES ARE CALCULATED FROM THEIR MEASURED $^{230}\text{Th}/^{234}\text{U}$ ACTIVITY RATIOS USING STANDARD RADIOACTIVE GROWTH AND DECAY EQUATIONS ASSUMING THAT THE AUTHIGENIC CALCITE AND OPAL HAD REMAINED IDEAL CLOSED SYSTEMS WITH RESPECT TO ISOTOPES OF U AND TH SINCE THEIR FORMATION. THE DATES FOR IMPURE CALCITE SAMPLES ARE CALCULATED USING THE RESULTS FOR THE ACID-SOLUBLE AND ACID INSOLUBLE FRACTIONS IN A PSEUDO-ISOC-IRON-PLAT METHOD DESCRIBED BY SZABO AND OTHERS (1981) AND SZABO AND ROSSHOLT (1982).	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
154010708315215.011	ISOTOPIC DISCONTINUITIES IN GROUNDWATER BENEATH YUCCA MOUNTAIN, NEVADA, BY J.S. STUCKLESS, J.F. WHELAN, AND W.C. STEINKAMPF.	01/01/90-11/27/90	REVIEW AND PRELIMINARY EVALUATIONS OF PREVIOUSLY PUBLISHED AND UNPUBLISHED DATA/INFORMATION OF STABLE ISOTOPIC DATA FOR GROUNDWATER IN THE YUCCA MOUNTAIN AREA AND ADJACENT TO FORTYMILE WASH.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
154010308315215.015	WATER TABLE DECLINE IN THE SOUTH-CENTRAL GREAT BASIN DURING THE QUATERNARY: IMPLICATIONS FOR TOXIC WASTE DISPOSAL, BY I.J. WINOGRAD AND B.J. SZABO	01/01/85-12/31/85	DATA FROM WATER TABLE ALTITUDES AND EXTRAPOLATION OF GROWTH RATE, BASED ON URANIUM-SERIES DATING, WERE USED TO DEVELOP CONCLUSIONS REGARDING THE CLIMATIC FLUCTUATIONS AND CHANGES IN HYDROGEOLOGIC AND TECTONIC CONDITIONS DURING THE QUATERNARY PERIOD.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
5930508315215.026	STOP 16: TRENCH 14, BY E.M. TAYLOR, J.S. STUCKLESS, AND S.S. LEVY. CHARACTERIZATION OF CALCITE AND OPALINE SILICA DEPOSITS.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-04/18/89	AUTHORS' INTERPRETATIONS AND SUMMARIES OF PREVIOUSLY PUBLISHED REPORTS.	D N P
5930508315215.027	86SR/87SR MASS SPECTROMETER DATA FROM THE 54E MM, FINIGAN MAT AND NBS #2 6" COLLECTORS FOR SAMPLES RUN 3/2/92 - 11/18/92.  ACQN/DEVL LOCATION : SOLID MASS SPECTROMETER BAY, USGS, DENVER, CO	03/02/92-11/18/92	GCP-12,R3, RE-SR ISOTOPE GEOCHEMISTRY.	A Y P
Activity - 8.3.1.6.1.1				
5930508314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - B.3.1.6.1.1.1				
5592109316111.001	FIELD NOTEBOOKS RELATING TO SAMPLING OF BOULDERS FOR ROCK VARNISH (CATION RATIO) DATING, HILLSLOPE DEGRADATION RATES, AND CHARACTERISTICS OF COLLUVIAL BOULDER DEPOSITS IN THE YUCCA MOUNTAIN AREA.	06/09/84-07/15/87	FIELD MEASUREMENTS, OBSERVATIONS, AND SAMPLING BASED ON INVESTIGATOR'S EDUCATION AND EXPERIENCE.	A Y C
	ACQN/DEVL LOCATION : NTS; AREA 18 NTS; AREA 25			
5591209316111.002	RELICT COLLUVIAL BOULDER DEPOSITS AS PALEOCLIMATIC INDICATORS IN THE YUCCA MOUNTAIN REGION, SOUTHERN NEVADA, BY JOHN W. WHITNEY AND CHARLES D. HARRINGTON.	09/01/92-12/01/92	INTERPRETIVE ANALYSES BASED ON EDUCATION AND EXPERIENCE.	D Y P
	ACQN/DEVL LOCATION : USGS, DENVER			
55930109316111.001	"PRELIMINARY DESCRIPTION OF QUATERNARY AND LATE PLIOCENE SURFICIAL DEPOSITS AT YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NEVADA" BY D.L. HOOVER	01/01/87-06/14/89	COMPILATION OF EXISTING DATA RESULTING IN A DESCRIPTION OF QUATERNARY AND LATE PLIOCENE SURFICIAL DEPOSITS AT YUCCA MOUNTAIN AND VICINITY.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
55930208316111.002	FIELD NOTES FROM OBSERVATIONS OF THE SOUTH-FACING HILLSLOPE OF JAKE RIDGE, ABOUT 6 KM EAST OF YUCCA MOUNTAIN, WHERE DEBRIS FLOWS OCCURRED IN JULY, 1984.	10/25/89-11/24/92	FIELD NOTES WERE RECORDED ACCORDING TO SPECIFICATIONS IN USGS TECHNICAL PROCEDURE GP-01,R1 & R2, GEOLOGIC MAPPING.	A N P
	ACQN/DEVL LOCATION : N236550(N) E176850(N)			



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
55910208116111.003	PRE- AND POST-DEBRIS-FLOW DIGITAL ELEVATION MODELS (WITH 2M SPATIAL RESOLUTION) OF THE SOUTH-FACING HILLSLOPE OF JAKE RIDGE, ABOUT 6 KM EAST OF YUCCA MOUNTAIN.	07/01/91-10/25/91	DIGITAL ELEVATION MODELS (DEM'S) WERE MEASURED FROM PRE-FLOW (1982) AND POST-FLOW (1991) AERIAL PHOTOGRAPHS USING AN ANALYTICAL STEREO PLOTTER AND A PREVIOUSLY EXISTING SET OF GROUND CONTROL POINTS.	A N F
ACQN/DEVL LOCATION : N236420(N) E176730(N) ;N236750(N) E176970(N) USGS, DENVER, CO				
55910208316111.004	VOLUMETRIC ANALYSIS OF DEBRIS ERODED FROM A HILLSLOPE NEAR YUCCA MOUNTAIN DURING A CONVECTIVE STORM, BY J.A. COE, P.A. GLANCY, & J.W. WHITNEY.	07/01/91-02/05/93	VOLUMES OF DEBRIS ERODED WERE CALCULATED BY NUMERICAL INTEGRATION OF A DIFFERENCE DEM CREATED BY SUBTRACTING THE PRE-DEBRIS-FLOW DEM FROM THE POST-DEBRIS-FLOW DEM. INTER-CHANNEL AREAS AND DIFFERENCE VALUES THAT FELL WITHIN THE 2 SIGMA MEASUREMENT ERROR (+/- 0.3M) WERE NOT INCLUDED IN THE VOLUMETRIC CALCULATION.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
TMTPR000000001.001	TOPICAL REPORT - EVALUATION OF THE POTENTIAL ADVERSE CONDITION "EVIDENCE OF EXTREME EROSION DURING THE QUATERNARY PERIOD" AT YUCCA MOUNTAIN, NEVADA	03/01/92-03/08/93	NEW DATA WAS DEVELOPED BY ANALYSIS AND EVALUATION OF EXISTING DATA.	D Y T
ACQN/DEVL LOCATION : T&MSS				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.6.1.1.2				
GS921208316111.001	FIELD NOTEBOOKS RELATING TO SAMPLING OF BOULDERS FOR ROCK VARNISH (CATION RATIO) DATING, HILLSLOPE DEGRADATION RATES, AND CHARACTERISTICS OF COLLUVIAL BOULDER DEPOSITS IN THE YUCCA MOUNTAIN AREA.  ACQN/DEVL LOCATION : NTS; AREA 18 NTS; AREA 25	06/09/84-07/15/87	FIELD MEASUREMENTS, OBSERVATIONS, AND SAMPLING BASED ON INVESTIGATOR'S EDUCATION AND EXPERIENCE.	A Y C
GS921208316111.002	RELICT COLLUVIAL BOULDER DEPOSITS AS PALEOCLIMATIC INDICATORS IN THE YUCCA MOUNTAIN REGION, SOUTHERN NEVADA, BY JOHN W. WHITNEY AND CHARLES D. HARRINGTON.  ACQN/DEVL LOCATION : USGS, DENVER	09/01/92-12/01/92	INTERPRETIVE ANALYSES BASED ON EDUCATION AND EXPERIENCE.	D Y P
TMTFR000000001.001	TOPICAL REPORT - EVALUATION OF THE POTENTIAL ADVERSE CONDITION "EVIDENCE OF EXTREME EROSION DURING THE QUATERNARY PERIOD" AT YUCCA MOUNTAIN, NEVADA  ACQN/DEVL LOCATION : TMS	03/01/92-03/08/93	NEW DATA WAS DEVELOPED BY ANALYSIS AND EVALUATION OF EXISTING DATA.	D Y T

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.6.1.1.3				
GS921208316111.001	FIELD NOTEBOOKS RELATING TO SAMPLING OF BOULDERS FOR ROCK VARNISH (CATION RATIO) DATING, HILLSLOPE DEGRADATION RATES, AND CHARACTERISTICS OF COLLUVIAL BOULDER DEPOSITS IN THE YUCCA MOUNTAIN AREA.  ACQN/DEVL LOCATION : NTS; AREA 18 NTS; AREA 25	06/09/84-07/15/87	FIELD MEASUREMENTS, OBSERVATIONS, AND SAMPLING BASED ON INVESTIGATOR'S EDUCATION AND EXPERIENCE.	A Y C
GS921208316111.002	RELICT COLLUVIAL BOULDER DEPOSITS AS PALEOCLIMATIC INDICATORS IN THE YUCCA MOUNTAIN REGION, SOUTHERN NEVADA, BY JOHN W. WHITNEY AND CHARLES D. HARRINGTON.  ACQN/DEVL LOCATION : USGS, DENVER	09/01/92-12/01/92	INTERPRETIVE ANALYSES BASED ON EDUCATION AND EXPERIENCE.	D Y P
GS930408318512.005	TECTONICS, SEISMICITY, VOLCANISM AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1980 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION AND DEPOSITION STUDIES.	D N P
GS930508318512.007	TECTONICS, SEISMICITY, VOLCANISM, AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1979 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION, AND DEPOSITION STUDIES.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T Q D U L I A O F L C I A T F T Y I I P E O E D N
LA000000000011.001	ROCK VARNISH CATION-RATIO DATA ACQN/DEVL LOCATION : YUCCA MOUNTAIN AND VICINITY	06/30/84-07/31/88	FIELD SAMPLING, SEM ANALYSIS	A Y T
**LA000000000019.001	SAMPLE DATA FOR MANGANESE ACCUMULATION IN ROCK VARNISH FOR CLASTS COLLECTED FROM ALLUVIAL SURFACES ON THE SODA MOUNTAIN PIEDMONT IN THE MOJAVE DESERT, CALIFORNIA. ACQN/DEVL LOCATION : LANL	01/01/91-01/01/92	MANGANESE OXIDES WERE DISSOLVED OFF VARNISHED CLASTS COLLECTED FROM ALLUVIAL SURFACES, AND THE AMOUNT OF MANGANESE WAS MEASURED USING INDUCTIVELY-COUPLED PLASMA EMISSION SPECTROSCOPY. DP 114 WAS FOLLOWED.	A Y C
*LA000000000019.002	MANGANESE ACCUMULATION IN ROCK VARNISH ON A DESERT PIEDMONT, MOJAVE DESERT, CALIFORNIA, AND APPLICATION TO EVALUATING VARNISH DEVELOPMENT. ACQN/DEVL LOCATION : LANL	01/01/92-12/01/92	THE DATA WERE REVIEWED AND FURTHER STATISTICAL ANALYSIS WAS PERFORMED.	D Y C
LA000000000026.001	ROCK VARNISH CALIBRATION CATION-RATIO DATA ACQN/DEVL LOCATION : LANL	06/30/84-06/30/86	FIELD SAMPLING, SEM ANALYSIS	D Y C
LA000000000026.002	ROCK-VARNISH CATION RATIO DATA AND ROCK-VARNISH DATING CURVE CALIBRATION SITES DATA ACQN/DEVL LOCATION : LANL	07/01/86-06/30/91	FIELD SAMPLING, SEM ANALYSIS	D Y T

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
LA000000000029.001	"BARIUM CONCENTRATION IN ROCK VARNISH: IMPLICATIONS FOR CALIBRATED ROCK VARNISH DATING CURVES"	05/01/89-11/30/89	SCANNING ELECTRON MICROSCOPE METHOD FOR ROCK VARNISH DATING.	D Y C
	ACQN/DEVL LOCATION : LANL			
LA000000000030.001	"BARIUM CONCENTRATION IN ROCK VARNISH: IMPLICATIONS FOR CALIBRATED ROCK-VARNISH DATING CURVES; SCANNING MICROSCOPY.	11/30/89-01/30/91	SCANNING ELECTRON MICROSCOPE METHOD FOR ROCK-VARNISH DATING.	D Y C
	ACQN/DEVL LOCATION : LANL			
TMTFR000000001.001	TOPICAL REPORT - EVALUATION OF THE POTENTIAL ADVERSE CONDITION "EVIDENCE OF EXTREME EROSION DURING THE QUATERNARY PERIOD" AT YUCCA MOUNTAIN, NEVADA	03/01/92-03/08/93	NEW DATA WAS DEVELOPED BY ANALYSIS AND EVALUATION OF EXISTING DATA.	D Y T
	ACQN/DEVL LOCATION : T&MSS			
Activity - 8.3.1.6.2.1.1				
GS910708316211.001	DATA IS BASED ON GEOLOGIC FIELD MAPPING, INFORMATION OBTAINED FROM DRILL HOLES AS WELL AS PUBLISHED DATA.	01/01/79-01/01/85	FIELD MAPPING AS WELL AS INFORMATION OBTAINED FROM DRILL HOLES.	A N P
	ACQN/DEVL LOCATION : USW G-3 USW GU-3			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.6.3.1.1				
**GS900908316311.001	PRELIMINARY ASSESSMENT OF THE RISK OF VOLCANISM AT A PROPOSED NUCLEAR WASTE REPOSITORY IN THE SOUTHERN GREAT BASIN, BY BRUCE M. CROWE AND W.J. CARR	01/01/78-12/13/80	USGS STANDARD COLLECTION METHODS. REPORT SUMMARIZES THE STATUS OF THE VOLCANIC HAZARD STUDY.	D Y C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.8.1.1.3				
LA000000000048.001	STATUS OF VOLCANIC HAZARD STUDIES FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS	01/01/81-02/28/83	PUBLISHED AND UNPUBLISHED VOLCANIC HAZARD STUDIES ARE SUMMARIZED AND DISCUSSED.	D N C
ACQN/DEVL LOCATION : LANL				
Activity - 8.3.1.8.1.2.1				
LA000000000048.001	STATUS OF VOLCANIC HAZARD STUDIES FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS	01/01/81-02/28/83	PUBLISHED AND UNPUBLISHED VOLCANIC HAZARD STUDIES ARE SUMMARIZED AND DISCUSSED.	D N C
ACQN/DEVL LOCATION : LANL				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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 P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.8.5.1.2				
GS930208318512.001	NEOTECTONICS AND VOLCANISM AT YUCCA MOUNTAIN AND VICINITY, NEVADA, BY K.F. FOX, JR., AND M.D. CARR.	06/28/87-06/28/88	INTERPRETATIONS OF VOLCANISM, FAULTS, AND SEISMICITY IN THE YUCCA MOUNTAIN AREA.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, MENLO PARK, CA				
GS930308318512.002	VOLCANO-TECTONIC HISTORY OF CRATER FLAT, SOUTHWESTERN NEVADA, AS SUGGESTED BY NEW EVIDENCE FROM DRILL HOLE USW-VH-1 (USW VH-1) AND VICINITY, BY W.J. CARR.	01/01/81-03/16/82	SUMMARIES AND INTERPRETATIONS OF THE DRILL-HOLE LOCATION, HISTORY, LITHOLOGIC LOG, AND STRATIGRAPHY; AND THE STRUCTURAL FRAMEWORK, AEROMAGNETIC ANOMALIES, AND VOLCANO-TECTONIC HISTORY OF CRATER FLAT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930408318512.003	LATE TERTIARY AND QUATERNARY GEOLOGY OF THE TECOPA BASIN, SOUTHEASTERN CALIFORNIA, BY JOHN W. HILLHOUSE.	01/01/85-01/01/86	CORRELATIONS FOUNDED ON MINERALOGIC SIMILARITIES, SHARD MORPHOLOGY, MICROBE ANALYSIS OF MAJOR ELEMENTS, SPECTROGRAPHIC ANALYSIS, AND PALEONTOLOGY. DEPOSITS CHEMICALLY CORRELATED WITH ISOTOPICALLY DATED VOLCANIC SOURCE IN YELLOWSTONE (IZETT, G.A., 1981, USGS OFR 81-763 AND SARNA-WOJCICKI, A.M., AND OTHERS, USGS PROFESSIONAL PAPER 1293), AND GEOMAGNETIC CORRELATION (HANKINEN, E.A. AND DALRYMPLE, G.B., 1979, J. OF GEOPHYS. RES., V.84). VOLCANIC SOURCE DATA CALCULATIONS FROM CURRENT DECAY CONSTANTS (STEIGER, R.H., AND JAGER, E., 1977, SUBCOMMISSION ON GEOCHRONOLOGY). OLDER QUATERNARY ALLUVIUM DATED BY URANIUM TREND METHOD (ROSHOLT, J.N., USGS OFR 78-701). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930408318512.004	MAJOR-ELEMENT GEOCHEMISTRY OF THE SILENT CANYON - BLACK MOUNTAIN PERALKALINE VOLCANIC CENTERS, NORTHWESTERN NEVADA TEST SITE: APPLICATIONS TO AN ASSESSMENT OF RENEWED VOLCANISM, BY B.M. CROWE AND K.A. SARGENT.	01/01/78-01/01/79	SUMMARY OF GEOLOGIC SETTING, EVOLUTION, AND ROCK AGES. INTERPRETATION AND CHARACTERIZATION OF VOLCANIC ROCK TYPES.	D N P
ACQN/DEVL LOCATION : LANL USGS, DENVER, CO.				



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F T Y P E	Q U A L I T Y P R O D U C T
GS930408318512.005	TECTONICS, SEISMICITY, VOLCANISM AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1980 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION AND DEPOSITION STUDIES.	D	N P
GS930408318512.006	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR, A.M. ROGERS, AND B.M. CROWE -- FY 1982 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS OF TECTONIC, SEISMIC, AND VOLCANIC STUDIES INCLUDING MAPPING, PALEOZOIC STRUCTURE, AND EARTHQUAKE DATA.	D	N P
GS930508318512.007	TECTONICS, SEISMICITY, VOLCANISM, AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1979 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION, AND DEPOSITION STUDIES.	D	N P
GS930508318512.008	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR AND A.M. ROGERS -- FY 1981 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, AND VOLCANIC STUDIES.	D	N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TS930708312291.003	MULTIDISCIPLINARY HYDROLOGIC INVESTIGATIONS AT YUCCA MOUNTAIN, NEVADA, BY WILLIAM W. DUDLEY, JR.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/89-02/05/90	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED MATERIAL.	D N P
LA000000000027.001	"THE LATHROP WELLS VOLCANIC CENTER: STATUS OF FIELD AND GEOCHRONOLOGY STUDIES"  ACQN/DEVL LOCATION : LANL, LAS VEGAS, NV	01/30/88-12/30/91	CONVENTIONAL K-AR AGE DETERMINATIONS. 40AR/39AR FOR AGE DETERMINATIONS. U-TH DISEQUILIBRIUM AGE DETERMINATIONS USING SOLID SOURCE MASS SPECTROMETRY. COSMOGENIC HELLIUM AGE DETERMINATIONS AND THERMOLUMINESCENCE.	D N C
LA000000000048.001	STATUS OF VOLCANIC HAZARD STUDIES FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS  ACQN/DEVL LOCATION : LANL	01/01/81-02/28/83	PUBLISHED AND UNPUBLISHED VOLCANIC HAZARD STUDIES ARE SUMMARIZED AND DISCUSSED.	D N C
LA000000000049.001	GEOLOGY AND PETROLOGY OF THE BASALTS OF CRATER FLAT: APPLICATIONS TO VOLCANIC RIS" ASSESSMENT FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS.  ACQN/DEVL LOCATION : LANL	01/01/79-05/30/81	DESCRIBE DETAILED GEOLOGY, GEOCHRONOLOGY, AND PETROLOGY OF BASALTS OF CRATER FLAT. PRESENT TABLES OF MINERAL ANALYSES.	D N C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.8.5.1.3				
LA000000000013.001	PRELIMINARY GEOLOGIC MAP OF THE SLEEPING BUTTE VOLCANIC CENTERS	01/30/80-08/30/90	STANDARD FIELD MAPPING WITH AIR PHOTOS	A Y P
	ACQN/DEVL LOCATION : LANL			
LA000000000013.002	PRELIMINARY GEOLOGIC MAP OF THE SLEEPING BUTTE VOLCANIC CENTERS	09/30/90-12/30/90	STANDARD FIELD MAPPING WITH AIR PHOTOS	D Y P
	ACQN/DEVL LOCATION : LANL			
LA000000000048.001	STATUS OF VOLCANIC HAZARD STUDIES FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS	01/01/81-02/28/83	PUBLISHED AND UNPUBLISHED VOLCANIC HAZARD STUDIES ARE SUMMARIZED AND DISCUSSED.	D N C
	ACQN/DEVL LOCATION : LANL			
LA000000000049.001	GEOLOGY AND PETROLOGY OF THE BASALTS OF CRATER FLAT: APPLICATIONS TO VOLCANIC RISK ASSESSMENT FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS.	01/01/79-05/30/81	DESCRIBE DETAILED GEOLOGY, GEOCHRONOLOGY, AND PETROLOGY OF BASALTS OF CRATER FLAT. PRESENT TABLES OF MINERAL ANALYSES.	D N C
	ACQN/DEVL LOCATION : LANL			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.8.5.1.4				
LA0000000000-8.001	STATUS OF VOLCANIC HAZARD STUDIES FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS	01/01/81-02/28/83	PUBLISHED AND UNPUBLISHED VOLCANIC HAZARD STUDIES ARE SUMMARIZED AND DISCUSSED.	D N C
	ACQN/DEVL LOCATION : LANL			
LA0000000000049.001	GEOLOGY AND PETROLOGY OF THE BASALTS OF CRATER FLAT: APPLICATIONS TO VOLCANIC RISK ASSESSMENT FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS.	01/01/79-05/30/81	DESCRIBE DETAILED GEOLOG , GEOCHRONOLOGY, AND PETROLOGY OF BASALTS OF CRATER FLAT. PRESENT TABLES OF MINERAL ANALYSES.	D N C
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.8.5.1.5				
LA0000000000048.001	STATUS OF VOLCANIC HAZARD STUDIES FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS	01/01/81-02/28/83	PUBLISHED AND UNPUBLISHED VOLCANIC HAZARD STUDIES ARE SUMMARIZED AND DISCUSSED.	D N C
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.8.5.2				
JS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.8.5.2.1				
GS930408318521.001	CURIE-TEMPERATURE ISOTHERM ANALYSIS AND TECTONIC IMPLICATIONS OF AEROMAGNETIC DATA FROM NEVADA, BY RICHARD J. BLAKELY.	01/01/87-12/29/87	METHOD USED TO MEASURE BASAL DEPTH OF MAGNETIC SOURCE IS A MODIFICATION OF SMITH, R.B., AND OTHERS, GSA BULLETIN 85, 1974, BOLER, F.M., AEROMAGNETIC MEASUREMENTS, MAGNETIC SOURCE DEPTHS, AND THE CURIE POINT ISOTHERM IN THE VALA-OWYHEE, OREGON, GEOTHERMAL AREA, M.S. THESIS, ORE. ST. UNIV., 1978, AND CONRAD, G.R., AND OTHERS, ANALYSIS OF AEROMAGNETIC MEASUREMENTS FROM THE CASCADE RANGE IN CENTRAL OREGON, GEOPHYSICS, 48, 1983. COMPLETE BIBLIOGRAPHIC CITATIONS IN THE REPORT.	D N P
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.8.5.2.3				
GS930208318523.001	TEMPERATURE, THERMAL CONDUCTIVITY, AND HEAT FLOW NEAR YUCCA MOUNTAIN, NEVADA: SOME TECTONIC AND HYDROLOGIC IMPLICATIONS, BY J.H. SASS, A.H. LACHENBRUCH, W.W. DUDLEY, JR., S.S. PRIEST, AND R.J. MUNROE.	01/01/87-12/01/87	HEAT FLOW ESTIMATES BY 1) LEAST-SQS. GRADIENT X HARMONIC MEAN OF MEASURED CONDUCTIVITIES OVER SAME INTERVAL, 2) LEAST-SQS. GRADIENT X CONDUCTIVITY CALCULATED FROM FORMATION MEANS, AND 3) LEAST-SQS. GRADIENT X HARMONIC MEAN OF CONDUCTIVITIES INFERRED FROM K VS. VP RELATION. TEMP. MEASUREMENTS IN AIR BY 1) SASS, J.H. & OTHERS, 1971, HEAT FLOW IN THE WESTERN U.S.: JNL. OF GEOPHYSICAL RESEARCH, V. 76, P. 6376-6413, AND 2) TECH. PROCEDURE NWM USGS GPP-02, R0, HEAT-FLOW STUDIES RELATED TO NUCLEAR WASTE STORAGE INVESTIGATIONS. THERMAL CONDUCTIVITY BY 1) SASS, J.H. & OTHERS, 1984, LABORATORY LINE-SOURCE METHODS FOR THE MEASUREMENT OF TH. CONDUCT. OF ROCKS NEAR ROOM TEMP.: USGS OFR 84-91, AND 2) SASS & OTHERS, 1971, OP.CIT. 3) SASS, J.H. & OTHERS, 1980, ANALYSIS OF THERMAL DATA FROM DRILL HOLES UE25A-3 AND UE25A-1, CALICO HILLS & YM, NTS: USGS OFR 80-826 AND 4) NWM USGS GPP-05, R1 HEAT-FLOW STUDIES CALIBRATION PROCEDURES	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, FLAGSTAFF, AZ USGS, MENLO PARK, CA			
*GS930708312291.003	MULTIDISCIPLINARY HYDROLOGIC INVESTIGATIONS AT YUCCA MOUNTAIN, NEVADA, BY WILLIAM W. DUDLEY, JR.	01/01/89-02/05/90	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED MATERIAL.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.9.2.1				
*GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.9.2.2.1				
GS920508319221.001	DATA ON GROUND-WATER LEVELS AND SPRINGFLOWS, INCLUDING WELL DEPTHS, CASING INFORMATION, DISCHARGE MEASUREMENTS, AND WELL AND SPRING LOCATIONS.	03/21/86-03/31/92	USGS DATA WERE COLLECTED USING HP-54, HP-61, HP-99, AND HP-166	A N P
ACQN/DEVL LOCATION : 36 00'00"N 117 00'00"W ; 37 00'00"N 116 00'00"W				
GS920508319221.002	QUARTERLY DATA COLLECTED FOR FIRST QUARTER OF 1992, FOR REPORT "DATA ON GROUND-WATER LEVELS AND SPRINGFLOWS IN THE YUCCA MOUNTAIN REGION OF SOUTHERN NEVADA AND CALIFORNIA, JANUARY - MARCH 1992.	03/21/86-04/06/86	USGS STANDARD METHODS	D N P
ACQN/DEVL LOCATION : USGS				
GS920608319221.003	RAW DATA ON WATER-LEVEL MEASUREMENTS, QW AND SPRING DISCHARGES FOR JANUARY THRU MARCH 1992.	01/01/92-03/31/92	DATA WERE COLLECTED USING HP-54,R0, WATER-FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS; HP-61,R0, USE OF HAND-HELD STEEL TAPES (IN VERTICAL BOREHOLES); HP-99,R1, INSTRUCTION FOR OPERATION OF A WELL SOUNDER FOR MEASURING WATER LEVELS; AND HP-166,R0, STREAM DISCHARGE MEASUREMENTS USING A PYGMY METER.	A N P
ACQN/DEVL LOCATION : 36 00'N 117 00'W 37 00'N 116 00'W 37 00'N 117 00'W				

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Activity - 8.3.1.14.2.1.1				
GS930383114211.001	PRELIMINARY ENGINEERING GEOLOGY RECONNAISSANCE FOR SOUTH RAMP ALIGNMENT, EXPLORATORY STUDIES FACILITY, YUCCA MOUNTAIN PROJECT, BY M.H. MCKEOWN AND S.C. BEASON	01/01/90-07/31/91	GEOLOGIC LOGGING; CONTOUR PLOTTING; INFORMAL TESTING OF ROCK AND SOIL FOR PHYSICAL PROPERTIES, TRIAXIAL SHEAR, AND STATIC ELASTIC PROPERTIES; GRADATION ANALYSIS, PRELIMINARY DRAWING OF CROSS SECTION.	A N P
ACQN/DEVL LOCATION : USBR ROCK & SOILS LAB, DENVER USBR, DENVER				
Activity - 8.3.1.14.2.1.2				
GS930283114212.001	DYNAMIC MODULI FOR THE YMP NORTH PORTAL.	11/17/92-12/14/92	THESE DATA WERE COLLECTED PER SCIENTIFI NOTEBOOK PLAN NWM-USGS GPP-28T,P0, GEOPHYSICAL BOREHOLE LOGGING AND CHECKSHOTS IN DRILL HOLES	A Y C
ACQN/DEVL LOCATION : UE-25 NRG-1				
Activity - 8.3.1.14.2.2				
*SNLC1B05059301.001	THERMAL EXPANSION DATA (MEAN COEFFICIENTS OF THERMAL EXPANSION (CTE'S)), (MINIMUM AND MAXIMUM INSTANTANEOUS CTE, SAMPLE DIMENSIONS, SAMPLE VOLUME, PRE-TEST AND POST-TEST SAMPLE MASSES) FOR DRILLHOLE NRG-6, SAMPLES FROM DEPTH 28.8 TO 416.0 FEET, AMBIENT TO 100 DEG. C.	05/04/93-07/21/93	SINGLE PUSH ROD DILATOMETER. SEE WORK AGREEMENT WA-0083 REV. 00.	A Y P
ACQN/DEVL LOCATION : HOLOMETRIX, INC., BEDFORD, MA				



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.14.2.2.1				
GS900983114221.003	ROCK PROPERTY ANALYSIS OF CORE SAMPLES FROM THE CALICO HILLS UE25A-3 (UE-25A #3) BOREHOLE, NEVADA TEST SITE, BY L.A. ANDERSON	01/01/81-07/27/81	USGS STANDARD COLLECTION METHODS. CORE SAMPLES FROM THE CALICO HILLS UE-25A #3 BOREHOLE WERE MEASURED FOR DENSITY, POROSITY, RESISTIVITY, INDUCED POLARIZATION, COMPRESSIONAL SONIC VELOCITY, AND MAGNETIC PROPERTIES.	D H C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS920983114220.001	LOG OF TEST PIT OR AUGER HOLE, PHYSICAL PROPERTIES SUMMARY, GRADATION TEST, AND SUMMARY OF PHYSICAL PROPERTIES TEST RESULTS FOR HOLE NUMBERS NRSF-TP-11, TP-19, TP-21, TP-25, TP-28, TP-29, AND TP-30.	04/01/92-05/27/92	TECHNICAL PROCEDURES YMP USBR-7000-89, R.O., PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS AND TUNNELS; USBR-7250-89, R.O., DETERMINATION OF PERCENT RELATIVE DENSITY; USBR-7221-89, R.O., DETERMINING UNIT WEIGHT OF SOILS IN-PLACE BY THE WATER REPLACEMENT METHOD IN A TEST PIT; AND USBR-6000-86, R.O., DETERMINING UNIFIED SOIL CLASSIFICATION (LABORATORY METHOD).	A Y C
ACQN/DEVL LOCATION : NORTH RAMP SURFACE FACILITY				
GS920983114220.002	DRILL HOLE UE-25 NRG-1 ROCK CORE TESTS: SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS, DIRECT SHEAR TEST RESULTS - OPEN JOINT SLIDING FRICTION, PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS, UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS; ASTM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974; ASTM D 2845-90, STANDARD TEST METHOD FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK; ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS921283114220.003	RELATIVE DENSITY DETERMINATION, LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	04/02/92-11/20/92	U.S.BUREAU OF RECLAMATION EARTH MANUAL, PROCEDURE USBR 5205-89, APPENDIX X3[4], PREPARING SOIL SAMPLES BY SPLITTING OR QUARTERING, SYNTHETIC GRADATION ANALYSIS.	A Y C
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER			
GS921283114220.004	SUMMARY ACCESS ROAD TEST PIT DATA, LOGS OF VISUAL OBSERVATIONS OF SITE AND TEST PIT. FIELD TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	09/15/92-09/19/92	YMP-USGS TECHNICAL PROCEDURES EGP-7000-89, R1, PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS, AND TUNNELS; EGP-5005-86, R1, DETERMINING UNIFIED SOIL CLASSIFICATION (VISUAL METHOD).	A Y C
	ACQN/DEVL LOCATION : UE-25 NRG-1			
GS921283114220.005	PHYSICAL PROPERTIES AND DIMENSIONAL TOLERANCE CONFORMANCE OF ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/15/92-11/30/92	ASTM C 97-83, ISRM PART 1: SUGGESTED METHODS FOR DETERMINING WATER CONTENT, POROSITY, DENSITY, AND RELATED PROPERTIES.	A Y C
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER			
GS921283114220.006	PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-11/19/92	ASTM D 2845-90 STANDARD TEST METHODS FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANCY OF ROCK.	A Y C
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS921283114220.007	DIRECT SHEAR TEST RESULTS - INTACT ROCK AND SLIDING FRICTION. LAB TESTS OF MECHANICAL PROPERTIES.	10/01/91-11/27/92	ISRM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				
GS921283114220.008	UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3148-80, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				
GS921283114220.009	TRIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/10/92-11/27/92	ASTM D 2664-86, TEST METHOD FOR TRIAXIAL COMPRESSION STRENGTH OF UNDRAINED ROCK CORE SPECIMENS WITHOUT PORE PRESSURE MEASUREMENTS.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				
GS921283114220.010	SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.	A Y C
ACQN/DEVL LOCATION : USER SOIL & ROCK LAB, DENVER				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS921283114220.014	SOIL AND ROCK GEOTECHNICAL INVESTIGATIONS, FIELD AND LABORATORY STUDIES, NORTH RAMP SURFACE FACILITY, EXPLORATORY STUDIES FACILITY, YUCCA MOUNTAIN PROJECT, NEVADA.	04/01/92-11/30/92	THIS REPORT IS DERIVED FROM GEOLOGIC MAPPING, PAVEMENT MAPPING, TEST PITS, AND LABORATORY DATA FROM TEST PITS, AND DRILL HOLES.	D Y C
ACQN/DEVL LOCATION : USBR, DENVER				
Activity - 8.3.1.14.2.2.2				
GS920983114220.001	LOG OF TEST PIT OR AUGER HOLE, PHYSICAL PROPERTIES SUMMARY, GRADATION TEST, AND SUMMARY OF PHYSICAL PROPERTIES TEST RESULTS FOR HOLE NUMBERS NRSF-TP-11, TP-19, TP-21, TP-27, TP-28, TP-29, AND TP-30.	04/01/92-05/27/92	TECHNICAL PROCEDURES YMP USBR-7000-83,PO, PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS AND TUNNELS; USBR-7250-89,PO, DETERMINATION OF PERCENT RELATIVE DENSITY; USBR-7221-89,PO, DETERMINING UNIT WEIGHT OF SOILS IN-PLACE BY THE WATER REPLACEMENT METHOD IN A TEST PIT; AND USBR-5000-86,PO, DETERMINING UNIFIED SOIL CLASSIFICATION (LABORATORY METHOD).	A Y C
ACQN/DEVL LOCATION : NORTH RAMP SURFACE FACILITY				
GS920983114220.002	DRILL HOLE UE-25 NRG-1 ROCK CORE TESTS: SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS, DIRECT SHEAR TEST RESULTS - OPEN JOINT SLIDING FRICTION, PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS, UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS; IRSM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974; ASTM D 2645-90 STANDARD TEST METHOD FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK; ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS921283114220.003	RELATIVE DENSITY DETERMINATION, LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	06/02/92-11/20/92	U.S. BUREAU OF RECLAMATION EARTH MANUAL PROCEDURE USBR 5205-89, APPENDIX K3(4), PREPARING SOIL SAMPLES BY SPLITTING OR QUARTERING, SYNTHETIC GRADATION ANALYSIS.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				
GS921283114220.004	SUMMARY ACCESS ROAD TEST PIT DATA, LOGS OF VISUAL OBSERVATIONS OF SITE AND TEST PIT. FIELD TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	09/15/92-09/19/92	YMP-USGS TECHNICAL PROCEDURES EGP-7000-R, R1, PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS, AND TUNNELS; EGP-5005-86, R1, DETERMINING UNIFIED SOIL CLASSIFICATION (VISUAL METHOD).	A Y C
ACQN/DEVL LOCATION : UE-25 NRG-1				
GS921283114220.005	PHYSICAL PROPERTIES AND DIMENSIONAL TOLERANCE CONFORMANCE OF ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/15/92-11/30/92	ASTM C 97-83, ISRM PART 1: SUGGESTED METHODS FOR DETERMINING WATER CONTENT, POROSITY, DENSITY, AND RELATED PROPERTIES.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				
GS921283114220.006	PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-11/19/92	ASTM D 2845-90 STANDARD TEST METHODS FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANCY OF ROCK.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SS921283114220.007	DIRECT SHEAR TEST RESULTS - INTACT ROCK AND SLIDING FRICTION. LAB TESTS OF MECHANICAL PROPERTIES.	10/01/91-11/27/92	ISRM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974.	A Y C
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER			
SS921283114220.008	UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	A Y C
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER			
SS921283114220.009	TRIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/10/92-11/27/92	ASTM D 2664-86, TEST METHOD FOR TRIAXIAL COMPRESSION STRENGTH OF UNDRAINED ROCK CORE SPECIMENS WITHOUT PORE PRESSURE MEASUREMENTS.	A Y C
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER			
SS921283114220.010	SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.	A Y C
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER			
SS921283114220.014	SOIL AND ROCK GEOTECHNICAL INVESTIGATIONS, FIELD AND LABORATORY STUDIES, NORTH RAMP SURFACE FACILITY, EXPLORATORY STUDIES FACILITY, YUCCA MOUNTAIN PROJECT, NEVADA.	04/01/92-11/30/92	THIS REPORT IS DERIVED FROM GEOLOGIC MAPPING, PAVEMENT MAPPING, TEST PITS, AND LABORATORY DATA FROM TEST PITS, AND DRILL HOLES.	D Y C
	ACQN/DEVL LOCATION : USBR, DENVER			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*SNL02030193001.004	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, & AVERAGE GRAIN DENSITY) FOR DRILLHOLE USW NRG-6 SAMPLES FROM DEPTH 462.3 FT. TO 1085.0 FT.	04/27/93-08/04/93	STANDARD LABORATORY ROCK MECHANICS PROCEDURES AS PER TP-219: "UNCONFINED COMPRESSION EXPERIMENTS AT 22 DEGREES C AND A STRAIN RATE OF 10E-5 S-1.", ASTM STM D3967-92: "SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS", ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK."	A Y P
ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT				
*SNL02030193001.005	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TENSILE STRENGTH, & AVERAGE GRAIN DENSITY) FOR DRILLHOLE USW NRG-3 SAMPLES FROM DEPTH 15.4 FT. TO 297.1 FT.	06/18/93-09/13/93	STANDARD LABORATORY ROCK MECHANICS PROCEDURES AS PER TP-219: "UNCONFINED COMPRESSION EXPERIMENTS AT 22 DEGREES C AND A STRAIN RATE OF 10E-5 S-1.", ASTM STM D3967-92: "SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS", ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK."	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 - 8.3.1.14.2.2.3				
**BNC1030193001.001	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, & UNCONFINED STRENGTH) FOR DRILLHOLE USW NRG-6 SAMPLES FROM DEPTH 22.2 FT. TO 328.7 FT.	04/01/93-05/14/93	STANDARD LABORATORY ROCK MECHANICS PROCEDURES AS PER TP-219 "UNCONFINED COMPRESSION EXPERIMENTS AT 22 DEGREES C AND A STRAIN RATE OF 10E-5 S-1."	A Y C
ACQN/DEVL LOCATION : NER INC., WHITE RIVER JUNCTION, VERMONT				
**BNC1030193001.002	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TRIAXIAL STRENGTH, TENSILE STRENGTH, & AVERAGE GRAIN DENSITY) FOR DRILLHOLE USW NRG-6 SAMPLES FROM DEPTH 22.2 FT TO 427.0 FT.	04/01/93-06/23/93	STANDARD LABORATORY ROCK MECHANICS PROCEDURES AS PER TP-219 "UNCONFINED COMPRESSION EXPERIMENTS AT 22 DEGREES C AND A STRAIN RATE OF 10E-5 S-1.", ASTM STM D3967-92 "SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS", ASTM STM D2845-90 "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK".	A Y C
ACQN/DEVL LOCATION : NER INC., WHITE RIVER JUNCTION, VERMONT				
*BNC1030193001.003	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TENSILE STRENGTH, & AVERAGE GRAIN DENSITY) FOR DRILLHOLE UE-25NRG#2 SAMPLES FROM DEPTH 170.4 FT. TO 200.0 FT.	04/01/93-07/07/93	STANDARD LABORATORY ROCK MECHANICS PROCEDURES AS PER TP-219: "UNCONFINED COMPRESSION EXPERIMENTS AT 22 DEGREES C AND A STRAIN RATE OF 10E-5 S-1.", ASTM STM D3967-92: "SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS", ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK".	A Y C
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 - 8.3.1.14.2.3				
CNF2041993001.002	PERCOLATION TEST DATA, NORTH PORTAL	04/07/93-04/19/93	STANDARD PERCOLATION TEST PROCEDURES IN ACCORDANCE WITH STATE OF NEVADA ADMINISTRATIVE CODE CHAPTER 444, SECTION 444.796.	A Y P
ACQN/DEVL LOCATION : NEVADA TEST SITE, AREA 25				
CNF2041993002.001	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR BOREHOLE UE-25NRG02	04/01/93-05/06/93	GEOTECHNICAL CORE LOGGING OF UE-25NRG02	A Y P
ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY AND JFT AGAPITO.				
Activity - 8.3.1.14.2.3.1				
IS92098314228.001	LOG OF TEST PIT OR AUGER HOLE, PHYSICAL PROPERTIES SUMMARY, GRADATION TEST, AND SUMMARY OF PHYSICAL PROPERTIES TEST RESULTS FOR HOLE NUMBERS NRSF-TP-11, TP-19, TP-21, TP-25, TP-28, TP-29, AND TP-30.	04/01/92-05/27/92	TECHNICAL PROCEDURES YMP USBR-7000-89, P. PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS AND TUNNELS; USBR-7250-89, R0, DETERMINATION OF PERCENT RELATIVE DENSITY; USBR-7221-89, P. DETERMINING UNIT WEIGHT OF SOILS IN-PLACE BY THE WATER REPLACEMENT METHOD IN A TEST PIT; AND USBR-5000-86, R0, DETERMINING UNIFIED SOIL CLASSIFICATION (LABORATORY METHOD).	A Y C
ACQN/DEVL LOCATION : NORTH RAMP SURFACE FACILITY				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SS920883114220.002	DRILL HOLE UE-25 NRG-1 ROCK CORE TESTS: SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS, DIRECT SHEAR TEST RESULTS - OPEN JOINT SLIDING FRICTION, PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS, UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS; IPSC SUGGESTED METHOD FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974; ASTM D 2945-90, STANDARD TEST METHOD FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK; ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				
SS921283114220.003	RELATIVE DENSITY DETERMINATION, LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	04/02/92-11/20/92	U.S. BUREAU OF RECLAMATION EARTH MANUAL PROCEDURE USBR 5205-89, APPENDIX X3(4), PREPARING SOIL SAMPLES BY SPLITTING OR QUARTERING, SYNTHETIC GRADATION ANALYSIS	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				
SS921283114220.004	SUMMARY ACCESS ROAD TEST PIT DATA, LOGS OF VISUAL OBSERVATIONS OF SITE AND TEST PIT. FIELD TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	09/15/92-09/19/92	YMP-USGS TECHNICAL PROCEDURES EGP-7000-84, R1, PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS, AND TUNNELS; EGP-5005-86,R1, DETERMINING UNIFIED SOIL CLASSIFICATION (VISUAL METHOD).	A Y C
ACQN/DEVL LOCATION : UE-25 NRG-1				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQ/DEVL PERIOD	ACQ/DEVL METHOD	
BS921283114220.005	PHYSICAL PROPERTIES AND DIMENSIONAL TOLERANCE CONFORMANCE OF ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.  ACQ/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER	10/15/92-11/30/92	ASTM C 97-83, ISRM PART 1: SUGGESTED METHODS FOR DETERMINING WATER CONTENT, POROSITY, DENSITY, AND RELATED PROPERTIES.	A Y C
BS921283114220.006	PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.  ACQ/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER	10/01/92-11/19/92	ASTM D 2845-90 STANDARD TEST METHODS FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANCY OF ROCK.	A Y C
BS921283114220.007	DIRECT SHEAR TEST RESULTS - INTACT ROCK AND SLIDING FRICTION. LAB TESTS OF MECHANICAL PROPERTIES.  ACQ/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER	10/01/91-11/27/92	ISRM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974.	A Y C
BS921283114220.008	UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.  ACQ/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER	10/01/92-10/13/92	ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	A Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T O
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35921283114220.009	TRIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/10/92-11/27/92	ASTM D 1664-86, TEST METHOD FOR TRIAXIAL COMPRESSION STRENGTH OF UNDRAINED ROCK CORE SPECIMENS WITHOUT PORE PRESSURE MEASUREMENTS.	J A O F L C J A T F T Y J I F E O E D N
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER			
35921283114220.010	SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.	A Y C
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER			
35921283114220.014	SOIL AND ROCK GEOTECHNICAL INVESTIGATIONS, FIELD AND LABORATORY STUDIES, NORTH RAMP SURFACE FACILITY, EXPLORATORY STUDIES FACILITY, YUCCA MOUNTAIN PROJECT, NEVADA.	04/01/92-11/30/92	THIS REPORT IS DERIVED FROM GEOLOGIC MAPPING, PAVEMENT MAPPING, TEST PITS, AND LABORATORY DATA FROM TEST PITS, AND DRILL HOLES.	D Y C
	ACQN/DEVL LOCATION : USBR, DENVER			
Activity - 8.3.1.14.2.3.2				
35920983114220.001	LOG OF TEST PIT OR AUGER HOLE, PHYSICAL PROPERTIES SUMMARY, GRADATION TEST, AND SUMMARY OF PHYSICAL PROPERTIES TEST RESULTS FOR HOLE NUMBERS NRSF-TP-11, TP-19, TP-21, TP-25, TP-28, TP-29, AND TP-30.	04/01/92-05/27/92	TECHNICAL PROCEDURES YMP USBR-7000-89, P , PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS AND TUNNELS; USBR-7240-89, PD, DETERMINATION OF PERCENT RELATIVE DENSITY; USBR-7221-89, PD, DETERMINING UNIT WEIGHT OF SOILS IN-PLACE BY THE WATER REPLACEMENT METHOD IN A TEST PIT; AND USBR-5000-86, PD, DETERMINING UNIFIED SOIL CLASSIFICATION (LABORATORY METHOD).	A Y C
	ACQN/DEVL LOCATION : NORTH RAMP SURFACE FACILITY			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
1592099114220.002	DRILL HOLE UE-25 NRG-1 ROCK CORE TESTS: SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS, DIRECT SHEAR TEST RESULTS - OPEN JOINT SLIDING FRICTION, PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS, UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS; IRSM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974; ASTM D 2845-90, STANDARD TEST METHOD FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK; ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				
1592109114220.003	RELATIVE DENSITY DETERMINATION, LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	04/02/92-11/20/92	U.S.BUREAU OF RECLAMATION EARTH MANUAL PROCEDURE USBR 5205-89, APPENDIX X314], PREPARING SOIL SAMPLES BY SPLITTING OR QUARTERING, SYNTHETIC GRADATION ANALYSIS.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				
1592108114220.004	SUMMARY ACCESS ROAD TEST PIT DATA, LOGS OF VISUAL OBSERVATIONS OF SITE AND TEST PIT. FIELD TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	09/15/92-09/19/92	YMP-USGS TECHNICAL PROCEDURES EGP-7000-19, R1, PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS, AND TUNNELS; EGP-5005-86, R1, DETERMINING UNIFIED SOIL CLASSIFICATION (VISUAL METHOD).	A Y C
ACQN/DEVL LOCATION : UE-25 NRG-1				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
IS921283114220.004	PHYSICAL PROPERTIES AND DIMENSIONAL TOLERANCE CONFORMANCE OF ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.  ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER	10/15/92-11/30/92	ASTM C 97-83, ISRM PART 1: SUGGESTED METHODS FOR DETERMINING WATER CONTENT, POROSITY, DENSITY, AND RELATED PROPERTIES.	A Y C
IS921283114220.006	PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.  ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER	10/01/92-11/19/92	ASTM D 2845-90 STANDARD TEST METHODS FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANCY OF ROCK.	A Y C
IS921283114220.007	DIRECT SHEAR TEST RESULTS - INTACT ROCK AND SLIDING FRICTION. LAB TESTS OF MECHANICAL PROPERTIES.  ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER	10/01/91-11/27/92	ISRM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974.	A Y C
IS921283114220.008	UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.  ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER	10/01/92-10/13/92	ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	A Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I Y P E D	Q U A L I T Y P E D
GS921283114220.009	TRIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.  ACQN/DEVL LOCATION : USER SOIL & ROCK LAB, DENVER	10/10/92-11/27/92	ASTM D 2664-86, TEST METHOD FOR TRIAXIAL COMPRESSION STRENGTH OF UNDRAINED ROCK CORE SPECIMANS WITHOUT PORE PRESSURE MEASUREMENTS.	A	Y C
GS921283114220.010	SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENTS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.  ACQN/DEVL LOCATION : USER SOIL & ROCK LAB, DENVER	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.	A	Y C
GS921283114220.014	SOIL AND ROCK GEOTECHNICAL INVESTIGATIONS, FIELD AND LABORATORY STUDIES, NORTH RAMP SURFACE FACILITY, EXPLORATORY STUDIES FACILITY, YUCCA MOUNTAIN PROJECT, NEVADA.  ACQN/DEVL LOCATION : USER, DENVER	04/01/92-11/30/92	THIS REPORT IS DERIVED FROM GEOLOGIC MAPPING, PAVEMENT MAPPING, TEST PITS, AND LABORATORY DATA FROM TEST PITS, AND DRILL HOLES.	D	Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.14.2.3.3				
GS920983114220.001	LOG OF TEST PIT OR AUGER HOLE, PHYSICAL PROPERTIES SUMMARY, GRADATION TEST, AND SUMMARY OF PHYSICAL PROPERTIES TEST RESULTS FOR HOLE NUMBERS NRSF-TP-11, TP-19, TP-21, TP-25, TP-28, TP-29, AND TP-30.	04/01/92-05/27/92	TECHNICAL PROCEDURES YMP USBR-7000-89, R0, PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS AND TUNNELS; USBR-7250-89, R0, DETERMINATION OF PERCENT RELATIVE DENSITY; USBR-7221-89, R0, DETERMINING UNIT WEIGHT OF SOILS IN-PLACE BY THE WATER REPLACEMENT METHOD IN A TEST PIT; AND USBR-5000-86, R0, DETERMINING UNIFIED SOIL CLASSIFICATION (LABORATORY METHOD).	A Y C
ACQN/DEVL LOCATION : NORTH RAMP SURFACE FACILITY				
GS920983114220.002	DRILL HOLE UE-25 NRG-1 ROCK CORE TESTS: SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS, DIRECT SHEAR TEST RESULTS - OPEN JOINT SLIDING FRICTION, PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS, UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS; IRSM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974; ASTM D 2845-90, STANDARD TEST METHOD FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK; ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				
GS921283114220.003	RELATIVE DENSITY DETERMINATION, LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	04/02/92-11/20/92	U.S.BUREAU OF RECLAMATION EARTH MANUAL PROCEDURE USBR 5205-89, APPENDIX X3[4], PREPARING SOIL SAMPLES BY SPLITTING OR QUARTERING, SYNTHETIC GRADATION ANALYSIS.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS921283114220.004	SUMMARY ACCESS ROAD TEST PIT DATA, LOGS OF VISUAL OBSERVATIONS OF SITE AND TEST PIT. FIELD TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	09/15/92-09/19/92	YMP-USGS TECHNICAL PROCEDURES EGP-7000-89, R1, PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS, AND TUNNELS; EGP-5005-86, R1, DETERMINING UNIFIED SOIL CLASSIFICATION (VISUAL METHOD).	A Y C
ACQN/DEVL LOCATION : UE-25 NRG-1				
GS921283114220.005	PHYSICAL PROPERTIES AND DIMENSIONAL TOLERANCE CONFORMANCE OF ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/15/92-11/30/92	ASTM C 97-83, ISRM PART 1: SUGGESTED METHODS FOR DETERMINING WATER CONTENT, POROSITY, DENSITY, AND RELATED PROPERTIES.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				
GS921283114220.006	PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-11/19/92	ASTM D 2845-90 STANDARD TEST METHODS FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANCY OF ROCK.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				
GS921283114220.007	DIRECT SHEAR TEST RESULTS - INTACT ROCK AND SLIDING FRICTION. LAB TESTS OF MECHANICAL PROPERTIES.	10/01/91-11/27/92	ISRM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974.	A Y C
ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS921283114220.008	UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	A Y C
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER			
GS921283114220.009	TRIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/10/92-11/27/92	ASTM D 2464-86, TEST METHOD FOR TRIAXIAL COMPRESSION STRENGTH OF UNDRAINED ROCK CORE SPECIMANS WITHOUT PORE PRESSURE MEASUREMENTS.	A Y C
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER			
GS921283114220.010	SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENTS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.	A Y C
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER			
GS921283114220.014	SOIL AND ROCK GEOTECHNICAL INVESTIGATIONS, FIELD AND LABORATORY STUDIES, NORTH RAMP SURFACE FACILITY, EXPLORATORY STUDIES FACILITY, YUCCA MOUNTAIN PROJECT, NEVADA.	04/01/92-11/30/92	THIS REPORT IS DERIVED FROM GEOLOGIC MAPPING, PAVEMENT MAPPING, TEST PITS, AND LABORATORY DATA FROM TEST PITS, AND DRILL HOLES.	D Y C
	ACQN/DEVL LOCATION : USBR, DENVER			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I Y P E D
GS930283114233.001	RESISTIVITY DATA FOR THE YMP NORTH PORTAL	05/28/92-06/04/92	THESE DATA WERE COLLECTED PER TECHNICAL PROCEDURE USER OFF-01, RO, ELECTRICAL RESISTIVITY MEASUREMENT USING THE ABEM TERRAMETER BAS SYSTEM, EXCEPT AS NOTED IN COMMENTS.	A N C
ACQN/DEVL LOCATION : UE-25 NRG-1				
Activity - 8.3.1.15.1.1				
SNSAND85076200.000	SAND85-0762: "BULK, THERMAL, AND MECHANICAL PROPERTIES OF THE TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFT, YUCCA MOUNTAIN, NEVADA." NNA.871013.0012	01/01/85-09/01/87	EXPERIMENTAL DATA ON MATRIX POROSITY, GRAIN DENSITY, THERMAL EXPANSION, COMPRESSIVE STRENGTH, YOUNG'S MODULUS, POISSON'S RATIO, AND AXIAL STRAIN AT FAILURE FOR SAMPLES FROM THE TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFT ARE COMPILED. HEAT CAPACITY AND EMISSIVITY ALSO ARE DISCUSSED. DATA HAVE BEEN ANALYZED FOR SPATIAL VARIABILITY; SLIGHT VARIABILITY IS OBSERVED FOR MATRIX POROSITY, GRAIN DENSITY, AND THERMAL EXPANSION COEFFICIENT. ESTIMATES OF IN-SITU VALUES FOR SOME PROPERTIES ARE PRESENTED. VERTICAL IN-SITU STRESS AS A FUNCTION OF HORIZONTAL AND VERTICAL LOCATION HAS BEEN CALCULATED. (FOR MORE DETAIL SEE SAND85-0762).	D N T
ACQN/DEVL LOCATION : SNL				

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Activity - 8.3.1.15.1.1.1			
SNL03000000001.000	GRAIN DENSITY MEASUREMENTS OF USW G0-3 AND USW G-4 SAMPLES IN SUPPORT OF HYDROLOGIC PROPERTY ANALYSIS, THE DATA IS USED TO DETERMINE POROSITIES AND SATURATION OF SAMPLES.	11/20/84-12/13/84	DATA COLLECTED USING A MICROMERETICS MODEL A N C 1310 HELIUM GAS PYCOMETER.
ACQN/DEVL LOCATION : SNL			
SNL03000000003.000	DETERMINATION OF DRY BULK DENSITIES AND GRAIN DENSITIES USED IN SUPPORT OF HYDROLOGIC CALCULATIONS AND IN POROSITY AND SATURATION CALCULATIONS	07/07/82-10/21/83	DATA COLLECTED USING A PCYNOMETER BULK DENSITY WAS CALCULATED BY DETERMINING THE VOLUME OF CORE AND WEIGHT (D=M/V). THE POROSITY EQUATION IS 1-BULK DENSITY/PARTICLE DENSITY. THE PARTICLE DENSITY CALCULATION IS $P_P = P_W (W_E - W_A) / (W_S - W_A) - (W_S - W - W_W)$ .
ACQN/DEVL LOCATION : PACIFIC NORTHWEST LABORATORY			
SNL03071163001.001	MECHANICAL TESTING DATA ON TOPOPAH SPRING MEMBER SAMPLES FROM BUSTED BUTTE. BULK PROPERTIES TESTING ON 28 BUSTED BUTTE OUTCROP SAMPLES.	07/26/83-12/06/83	BEFORE MECHANICAL TESTING, ALL OF THE TEST / N C SAMPLES WERE WATER SATURATED. SATURATED WEIGHTS WERE COMBINED WITH MEASURED VOLUMES TO PROVIDE SATURATED BULK DENSITIES OF THE SAMPLES. BULK SAMPLE GRAIN DENSITY, MATRIX GRAIN DENSITY, AND MATRIX POROSITY WERE MEASURED ON PIECES OF SCRAP TAKEN FROM THE END OF EACH SAMPLE DURING THE MACHINING PROCESS. THE REMAINDER OF THE BULK PROPERTIES WERE CALCULATED FROM THESE MEASURED PROPERTIES AND THE MODAL PERCENTAGES OBTAINED FROM POINT COUNTING. (FOR MORE DETAIL SEE SAND84-0860 APPENDIX C). TECHNICAL PROCEDURE: "QUALITY ASSURANCE PLAN, TERRA TEK RESEARCH AND DEVELOPMENT SERVICES. ROCK MECHANICS GROUP, HIGH TEMP., HIGH PRESSURE TEST AREA."
ACQN/DEVL LOCATION : TERRA TEK/SANDIA NATIONAL LABORATORY (SNL)			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNL03071183002.001	MECHANICAL TESTING DATA, BULK PROPERTIES TESTING ON TWELVE BUSTED BUTTE TOPOPAH SPRING MEMBER 10AE SAMPLES.	07/26/83-12/06/83	BEFORE MECHANICAL TESTING, ALL OF THE TEST SAMPLES WERE WATER SATURATED, SATURATED WEIGHTS WERE COMBINED WITH MEASURED VOLUMES TO PROVIDE SATURATED BULK DENSITIES OF THE SAMPLES. BULK SAMPLE GRAIN DENSITY, MATRIX GRAIN DENSITY, AND MATRIX POROSITY WERE MEASURED ON PIECES OF SCRAP TAKEN FROM THE END OF EACH SAMPLE DURING THE MACHINING PROCESS.	A N C
ACQN/DEVL LOCATION : TERRA TEK/SANDIA NATIONAL LABORATORY (SNL)				
SNL03110178001.001	INITIAL CHARACTERIZATION OF UE-25A#1 DRILL HOLE.	12/01/78-11/30/79	PHYSICAL PROPERTIES INCLUDING NATURAL STATE BULK DENSITY, GRAIN DENSITY USING A WATER PYCNOMETER TECHNIQUE AND POROSITY USING HELIUM POROSITY/GAS PERMEABILITY TECHNIQUE. (SEE ASTM D 1188-71, ASTM D 2216-71, ASTM D 854-58, & API RP40.)	A N C
ACQN/DEVL LOCATION : HOLMES & NARVER, INC.				
SNL04020984001.001	PETROGRAPHIC DESCRIPTION OF LITHOPHYSAL TUFFS.	11/01/83-01/01/84	NINETEEN POLISHED THIN-SECTIONS WERE PREPARED FROM TEN SAMPLES TAKEN FROM THE ENDS OF THE LARGE DIAMETER CORES. PETROGRAPHIC DATA WAS OBTAINED FROM EXAMINATION OF THIN-SECTIONS, USING A PETROGRAPHIC MICROSCOPE.	A N C
ACQN/DEVL LOCATION : UNIVERSITY OF NEW MEXICO, GEOLOGY DEPARTMENT				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNSAND88081100.000	SAND88-0811: "SNL YUCCA MOUNTAIN PROJECT DATA REPORT: DENSITY AND POROSITY DATA FOR TUFFS FROM THE UNSATURATED ZONE AT YUCCA MOUNTAIN, NEVADA" NNA.900108.0028	12/10/87-10/18/88	EXPERIMENT RESULTS PRESENTED FOR DENSITY AND POROSITY MEASUREMENTS OF TUFFACEOUS ROCKS FROM THE UNSATURATED ZONE AT YUCCA MOUNTAIN, NEVADA. DATA OBTAINED FOR GRAIN DENSITY AND SATURATED, NATURAL STATE, AND DRY BULK DENSITY. MATRIX POROSITY WAS CALCULATED FROM DRY BULK-DENSITY AND GRAIN-DENSITY VALUES. (FOR MORE DETAIL SEE SAND88-0811).	D N T

ACQN/DEVL LOCATION : SNL

Activity - 8.3.1.15.1.1.2

SNSAND88088200.000	SAND88-0882: "MINERALOGIC AND CHEMICAL DATA SUPPORTING HEAT CAPACITY DETERMINATION FOR TUFFACEOUS ROCKS" NNA.890928.0125	08/17/85-04/01/89	BULK CHEMICAL, X-RAY DIFFRACTION AND PETROLOGIC DATA ARE PRESENTED FOR 20 SAMPLES OF TUFFACEOUS ROCKS FROM YUCCA MOUNTAIN. THE DATA IN THE REPORT WERE OBTAINED BY THREE DIFFERENT METHODS; CHEMICAL ANALYSIS, X-RAY DIFFRACTION, AND PETROGRAPHIC EXAMINATION. (FOR A DETAILED DESCRIPTION OF EACH METHOD SEE SAND88-0882).	D N T
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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.15.1.1.3				
SNSAND88062400.000	SAND88-0624: "THERMAL-CONDUCTIVITY FOR TUFFS FROM THE UNSATURATED ZONE AT YUCCA MOUNTAIN, NEVADA" NNA.890515.0133	06/24/80-12/31/88	THERMAL-CONDUCTIVITY DATA WAS OBTAINED USING A TRANSIENT-LINE-SOURCE TECHNIQUE. THIS TECHNIQUE INVOLVES APPLICATION OF HEAT TO THE CENTER OF A CYLINDRICAL SAMPLE FOR A RELATIVELY SHORT TIME PERIOD AND OBSERVATION OF THE TEMPERATURE RISE AT THE SAMPLE CENTER AS A FUNCTION OF TIME. THE THERMAL CONDUCTIVITY IS CALCULATED USING DATA FOR THE POWER APPLIED TO THE SAMPLE, THE MEASURED RISE IN TEMPERATURE, AND THE TIME. (FOR MORE DETAIL SEE SAND88-0624).	D N T
ACQN/DEVL LOCATION : SNL				
Activity - 8.3.1.15.1.2.1				
SNL01B00000001.000	UNCONFINED LINEAR THERMAL EXPANSION DATA	02/01/78-01/26/87	DUAL PUSH ROD DILATOMETRY	A N C
ACQN/DEVL LOCATION : SNL				
SNL01B00000002.000	UNCONFINED LINEAR THERMAL EXPANSION DATA	02/01/78-01/26/87	DUAL PUSH ROD DILATOMETRY	A N C
ACQN/DEVL LOCATION : SNL				
SNL01B00000003.000	CONFINED LINEAR THERMAL EXPANSION DATA	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	A N C
ACQN/DEVL LOCATION : TERRA TEK, INC.				

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SNL01B00000004.000	<p>CONFINED LINEAR THERMAL EXPANSION DATA</p> <p>ACQN/DEVL LOCATION : TERRA TEK, INC.</p>	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	A N C
SNL01B00000005.000	<p>CONFINED LINEAR THERMAL EXPANSION DATA</p> <p>ACQN/DEVL LOCATION : TERRA TEK, INC.</p>	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	A N C
SNL01B00000006.000	<p>CONFINED LINEAR THERMAL EXPANSION DATA</p> <p>ACQN/DEVL LOCATION : TERRA TEK, INC.</p>	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	A N C
SNL01B00000007.000	<p>CONFINED LINEAR THERMAL EXPANSION DATA</p> <p>ACQN/DEVL LOCATION : TERRA TEK, INC.</p>	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	A N C
SNL01B00000008.000	<p>CONFINED LINEAR THERMAL EXPANSION DATA</p> <p>ACQN/DEVL LOCATION : TERRA TEK, INC.</p>	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	A N C
SNL01B00000009.000	<p>CONFINED LINEAR THERMAL EXPANSION DATA</p> <p>ACQN/DEVL LOCATION : TERRA TEK, INC.</p>	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	A N C
SNL01B00000010.000	<p>CONFINED AND UNCONFINED LINEAR THERMAL EXPANSION DATA</p> <p>ACQN/DEVL LOCATION : SNL</p>	02/01/78-01/26/87	SINGLE AND DUAL PUSH ROD DILATOMETRY	D N T



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SN1040000C0001.000	DATA DISKETTES (REFLEX AND LOTUS 123) USED SPDD 91-7031.	04/01/89-03/01/91	STANDARD MICROPROBE ANALYSIS.	A N P
ACQN/DEVL LOCATION : USW G-1				
Activity - 8.3.1.15.1.3				
SNSAND86113100.000	SAND86-1131: "PETROLOGIC AND MECHANICAL PROPERTIES OF OUTCROP SAMPLES OF THE WELDED, DEVITRIFIED TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFF." HQS.880517.1704	04/04/85-05/31/87	MORE THAN FIFTY OUTCROP SAMPLES OF THE TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFF HAVE BEEN ANALYZED FOR THEIR PETROLOGIC OR MECHANICAL PROPERTIES. BOTH SATURATED AND OVEN DRIED SAMPLES WERE DEFORMED IN COMPRESSION AT EFFECTIVE CONFINING PRESSURES OF 0.5 AND 10 MPA; TEMPERATURES OF 22 AND 150 DEGREES C.; AND NOMINAL STRAIN RATES OF 10-7, 10-5, AND 10-3 S-1. (FOR MORE DETAIL SEE SAND86-1131 AND TDIF'S FOR SOURCE DATA.)	D N T
ACQN/DEVL LOCATION : SNL				
Activity - 8.3.1.15.1.3.1				
SN102000000011.000	MATRIX COMPRESSIVE TESTS OF THE TOPOPAH SPRING MEMBER IN USW GU-3	04/20/83-05/17/83	THE MECHANICAL EXPERIMENTS WERE PERFORMED ON A LOAD FRAME HAVING A MAXIMUM LOAD CAPACITY OF 1.8MN (400KIP). A CONSTANT DISPLACEMENT RATE OF THE LOADING PISTON IS ACHIEVED BY SERVO-CONTROL OF THE HYDRAULIC RAM WHILE MONITORING AN LVDT (LINEAR VARIABLE DISPLACEMENT TRANSFORMER) AT THE BASE OF THE LOADING COLUMN.	A N C
ACQN/DEVL LOCATION : USW GU-3, YUCCA MOUNTAIN, NEVADA TEST SITE				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNL02000000012.000	UNIAXIAL AND TRIAXIAL COMPRESSION TEST SERIES ON TOPOPAH SPRING TUFF	06/24/82-10/31/82	MECHANICAL EXPERIMENTS WERE PERFORMED ON LOAD FRAMES HAVING MAXIMUM LOAD CAPACITIES OF 1.0 MN (220 KIP) AND 1.8 MN (400 KIP) FOR UNIAXIAL AND TRIAXIAL TESTS, RESPECTIVELY.	A N C
	ACQN/DEVL LOCATION : USW-G1, YUCCA MOUNTAIN, NEVADA TEST SITE			
SNL02030180001.001	MATRIX COMPRESSIVE TESTS TO CHARACTERIZE TUFFS FROM UE-25A#1 AND THE LASER DRIFT IN G-TUNNEL.	11/01/78-11/01/80	MATERIAL FROM G-TUNNEL HAS BEEN TESTED IN OVEN-DRIED AND SATURATED STATES. SPECIMEN DIAMETERS ARE 25MM FOR THE GROUSE CANYON TUFF AND 48 OR 64MM FOR THE YUCCA MOUNTAIN ROCK, ALL WITH A 2 TO 1 OR GREATER LENGTH TO DIAMETER RATIO. TESTING IS ACCOMPLISHED IN A 1.8 GN ULTRA-STIFF, ELECTRO-HYDRAULIC, SERVO-CONTROLLED COMPRESSION TESTING MACHINE. AXIAL DISPLACEMENT IS MEASURED BY LINEAR VARIABLE DIFFERENTIAL TRANSDUCERS MOUNTED AT TWO POINTS ALONG THE LENGTH OF THE SPECIMEN. FOR TRIAXIAL TESTS THE SPECIMENS ARE JACKETED WITH A 2-PART BRUSH-ON RUBBER COMPOUND OR HEAT-SHRINK POLYOLEFIN TUBING. A DIGITAL PDP-11 COLLECTS AND REDUCES FORCES. (SEE SAND80-1453 FOR A MORE DETAILED DESCRIPTION OF METHOD.)	A N C
	ACQN/DEVL LOCATION : SNL			

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SNL02033084001.001	MATRIX COMPRESSIVE TESTS OF THE TOPOPAH SPRING MEMBER IN USW G-2.	06/21/84-06/21/85	THIRTY-SIX UNIAXIAL AND TRIAXIAL COMPRESSION EXPERIMENTS WERE PERFORMED ON CYLINDRICAL SAMPLES TAKEN FROM THE TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFF FROM CORE HOLE USW G-2 AT YUCCA MOUNTAIN IN SOUTHERN NEVADA. THE MECHANICAL EXPERIMENTS WERE PERFORMED ON A LOAD FRAME HAVING A MAXIMUM CAPACITY OF 1.1 MN (235 KIP). FOR MORE DETAIL SEE SAND85-0703 & "QUALITY ASSURANCE PLAN, TERRA TEK RESEARCH AND DEVELOPMENT SERVICE". ROCK MECHANICS GROUP, HIGH TEMPERATURE, HIGH PRESSURE TEST AREA."	A N C
ACQN/DEVL LOCATION : TERRA TEK RESEARCH, SALT LAKE CITY, UTAH.				
SNL02033084002.001	PARAMETER EFFECTS ON MATRIX COMPRESSIVE PROPERTIES OF THE TOPOPAH SPRING MEMBER AT BUSTED BUTTE.	04/04/85-08/12/87	RSI/LPM-1: "RE/SPEC LABORATORY PROCEDURES MANUAL". & TP-05 DOCUMENTATION FOR TUFF TESTING IN RSI/TLM-144	A N C
ACQN/DEVL LOCATION : RE/SPEC INC., ALBUQUERQUE, NM				
SNL02033084001.001	EFFECTS OF LITHOPHYSAE ON THE MATRIX COMPRESSIVE PROPERTIES. PHYSICAL PROPERTIES AND LITHOPHYSAL DETERMINATION FOR LARGE DIAMETER SAMPLES OF THE TOPOPAH SPRING MEMBER AT BUSTED BUTTE.	09/26/83-02/13/84	ROCKS FOR THIS STUDY WERE COLLECTED AS LARGE (6 CUBIC METERS) IRREGULAR BLOCKS FROM AN OUTCROP ON THE SOUTHEASTERN FLANK OF BUSTED BUTTE. CYLINDRICAL SAMPLES WITH DIAMETERS OF 12 INCHES WERE CORED FROM THE LARGE BLOCKS. THESE SAMPLES WERE THEN CUT AND MACHINED TO RIGHT-CIRCULAR CYLINDERS 266.7MM (PLUS OR MINUS .25MM) IN DIAMETER AND 533.4MM (PLUS OR MINUS 2.0MM) IN LENGTH. PIECES CUT FROM THE SAMPLES ENDS WERE USED IN THE MINERALOGY AND BULK PROPERTY STUDIES, AND THE FINISHED CYLINDERS WERE THE MECHANICAL TEST SPECIMENS. MECHANICAL EXPERIMENTS WERE PERFORMED ON A LOAD FRAME. (SEE SAND 84-0860 PGB-23 FOR MORE DETAIL). TESTING PROCEDURES: ASTM D 3148-80, ASTM D 2938-79, & ASTM D 2664-80	A N C

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ACQN/DEVL LOCATION : SANDIA NATIONAL LABORATORY (SNL)				
SNL02062685001.001	DETERMINATIONS OF THE EFFECT OF SAMPLE SIZE ON THE MECHANICAL PROPERTIES OF THE WELDED TOPOPAH SPRING MEMBER, BUSTED BUTTE.	07/29/85-10/25/85	IN THIS TEST A RIGHT CIRCULAR CYLINDER IS PRESSED BETWEEN TWO STEEL PLATENS SO THE LOAD IS DIRECTED ALONG THE SPECIMEN AXIS. APPLIED STRESS IS DETERMINED BY A LOAD CELL PLACED IN LINE WITH THE SPECIMEN. STRAINS ARE MEASURED BY TRANSDUCERS AFFIXED TO EITHER THE SPECIMEN OR THE LOADING PLATENS AT THE ENDS. UNIAXIAL COMPRESSION TESTS WERE PERFORMED IN 1.0 MN OR 5.0 MN MTS SERVO-CONTROLLED MACHINES. (SEE, DATASET SECTION 9 "ANALYSIS OF RESULTS" LETTER DATED 5/20/87 TO: RON PRICE; SECTION 6 "TECHNICAL PROCEDURES" LETTER DATED 7/20/83 TO: J. R. TILLERSON & LETTER DATED 2/24/84 TO: F. B. NIMICK; SAND86-1131 FOR MORE DETAIL).	A N C
ACQN/DEVL LOCATION : SNL				
SNL02072983001.001	LABORATORY COMPARISON OF MECHANICAL COMPRESSIVE DATA FROM MATRIX COMPRESSIVE TESTS USING BUSTED BUTTE OUTCROP SAMPLES.	09/16/83-03/20/84	1) TRIAXIAL COMPRESSION TESTS OF NINE BUSTED BUTTE OUTCROP SAMPLES, CONDUCTED BY TERRATEK. 2) MECHANICAL TESTS OF ALUMINUM AND PLASTIC SAMPLES. THESE TESTS WERE PERFORMED AS PART OF AN EXPERIMENT DESIGNED TO ASSESS THE INFLUENCE OF INDIVIDUAL TESTING LABORATORIES ON TEST RESULTS. (SEE ACTIVITY 2 & 3 DATA FROM DRMS DATASET 51/L02-7/29/83). (FOR MORE DETAIL SEE TECHNICAL PROCEDURES SECTION OF DRMS DATASET 51/L02-7/29/83).	A N C
ACQN/DEVL LOCATION : TERRATEK RESEARCH, SALT LAKE CITY, UTAH				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
SNL02072983002.001	LABORATORY COMPARISON OF MECHANICAL COMPRESSIVE DATA FROM MATRIX COMPRESSIVE TESTS USING BUSTED BUTTE OUTCROP SAMPLES.	08/10/83-08/23/83	MECHANICAL EXPERIMENTS WERE PERFORMED ON A A N C LOAD FRAME WITH CAPACITIES OF 0.9, 1.8 & 4.9 MN. CONFINING PRESSURE AND PORE PRESSURE WERE MEASURED WITH STANDARD GAGES. (FOR MORE DETAIL SEE SOP NO. 45100 8210 "THE 1.8 MN (400 KIP) TRIAXIAL TESTING SYSTEM IN BUILDING 849, ROOM 1" AND ASTM D 2664-80 OR TECHNICAL PROCEDURES SECTION FROM DRMS 51/L02-7/29/83).
ACQN/DEVL LOCATION : SNL			
SNL02072983003.001	LABORATORY COMPARISON OF MECHANICAL COMPRESSIVE DATA FROM MATRIX COMPRESSIVE TESTS USING THE BUSTED BUTTE OUTCROP SAMPLES.	09/06/83-02/22/84	EIGHT TRIAXIAL COMPRESSION TESTS PERFORMED A N C ON SATURATED SPECIMENS OF THE PAINTERBRUSH TUFF AT BUSTED BUTTE. THE SPECIMENS WERE LOADED TO FAILURE AT 20 DEGREES C AND AT A CONSTANT AXIAL STRAIN RATE OF $1 \times 10^{-5}$ S <sup>-1</sup> AND AT ZERO PORE PRESSURE. TESTS PERFORMED AS PART OF AN EXPERIMENT DESIGNED TO ASSESS THE INFLUENCE OF INDIVIDUAL TESTING LABORATORIES ON TEST RESULTS. (SEE DRMS 51/L02-07/29/83 FOR MORE DETAIL).
ACQN/DEVL LOCATION : RE/SPEC INC., ALBUQUERQUE, NM			
SNL02100181001.001	LABORATORY COMPARISON OF MATRIX COMPRESSIVE TESTS USING THE CALICO HILLS MEMBER IN USW G-1.	11/13/81-04/01/82	FORTY-FOUR UNIAXIAL AND TRIAXIAL COMPRESSION EXPERIMENTS WERE PERFORMED ON SATURATED AND ROOM DRY SAMPLES AT NOMINAL STRAIN RATES; CONFINING PRESSURES OF 0.1, 10 AND 20 MPa; AND ROOM TEMPERATURE. THE MECHANICAL EXPERIMENTS WERE PERFORMED ON A LOAD FRAME HAVING A MAXIMUM LOAD CAPACITY OF 1.8 MN (400 KIP). THE UNCONFINED SAMPLES DEFORMED IN A BRITTLE MODE, WHILE THE CONFINED SAMPLES EXHIBITED MACROSCOPIC DUCTILE BEHAVIOR. (FOR A MORE DETAILED DESCRIPTION SEE SAND82-1314).
ACQN/DEVL LOCATION : SNL			

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# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNL02120584001.001	MATRI: COMPRESSIVE TESTS TO DETERMINE PARAMETER EFFECTS. TEMPERATURE, PRESSURE, STRAIN RATE AND SATURATION ON MECHANICAL PROPERTIES OF THE TOPOPAH SPRING MEMBER.	04/05/85-03/21/86	MECHANICAL EXPERIMENTS WERE PERFORMED ON A A N C LOAD FRAME WITH CAPACITIES OF 0.9, 1.8 & 4.9 MN. CONFINING PRESSURE, AND PORE PRESSURE WERE MEASURED WITH STANDARD GAGES. EFFECTIVE PRESSURE WAS CALCULATED FROM THESE VALUES. TESTS WERE RUN DRAINED AND PORE PRESSURE WAS ASSUMED TO BE ATMOSPHERIC (ABOUT 0.1 MPA). DIFFERENTIAL STRESS AND AXIAL STRAIN WERE ALSO CALCULATED. LATERAL STRAIN & VOLUMETRIC STRAIN WERE ALSO CALCULATED. AXIAL FORCE, AXIAL DISPLACEMENT, LATERAL DISPLACEMENT AND TIME DATA WERE COLLECTED. (SEE SAND86-1131 FOR MORE DETAIL).	
	ACQN/DEVL LOCATION : SNL			
SNL04021384001.001	CHARACTERIZATION OF SAMPLES IN SUPPORT OF MECHANICAL TESTING ON DENSELY WELDED SAMPLES OF THE TOPOPAH SPRING MEMBER FROM BUSTED BUTTE.	06/01/84-01/12/87	THE MINERALOGY AND PETROLOGY OF ELEVEN A N C CORE SAMPLES OF WELDED TUFF WERE STUDIED IN SUPPORT OF ROCK MECHANICS TESTS. TWO PRIMARY PURPOSES OF THE PETROLOGIC STUDY. FIRST, DETERMINE IF THERE ARE ANY SIGNIFICANT MINERALOGIC OR TEXTURAL VARIATIONS BETWEEN SAMPLES WHICH MIGHT BE REFLECTED IN MECHANICAL TEST RESULTS. SECOND, DETERMINE MINERALOGIC DIFFERENCES BETWEEN THESE SURFACE SAMPLES AND EQUIVALENT HORIZONS PRESENT BENEATH YUCCA MTN. AS SAMPLED IN DRILL HOLES. (FOR MORE DETAIL SEE, DATASET SECTION 13 "REPORTS" LETTER TO: FRAN NIMICK DATED 7/8/85; SAND86-1131).	
	ACQN/DEVL LOCATION : UNM, ALBUQUERQUE, NM			

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNLC4041990001.001	USW G-1 PROBE DATA TOPOPAH SPRING MEMBER.	04/01/89-03/01/91	CHEMICAL ANALYSES OF MINERALS AND "BULK" ANALYSES OF POLYCRYSTALLINE MATRIX MATERIAL WERE MADE USING AN ELECTRON MICROPROBE. AN AUTOMATED FIVE-SPECTROMETER JEOL 733 SUPERPROBE WAS USED. ANALYSES WERE MADE BY WAVELENGTH DISPERSIVE TECHNIQUES, USING A 15 KV ACCELERATION POTENTIAL AND VARIOUS BEAM CURRENTS. (FOR MORE DETAIL SEE SAND91-7031).	A N C
ACQN/DEVL LOCATION : UNIVERSITY OF NEW MEXICO				
SNSAND80145300.000	SAND80-1453: "ROCK MECHANICS PROPERTIES OF VOLCANIC TUFFS FROM THE NEVADA TEST SITE." NNA.870406.0497	11/01/78-07/01/80	UNIAXIAL AND TRIAXIAL COMPRESSION TEST AT CONSTANT STRAIN-RATE WERE RUN ON SAMPLES OF VOLCANIC TUFF FROM HOLE UE25A#1 AND G-TUNNEL, BOTH LOCATED ON THE NEVADA TEST SITE. TESTING IS ACCOMPLISHED IN A 1.8 GN ULTRA-STIFF, ELECTRO-HYDRAULIC, SERVO-CONTROLLED COMPRESSION TESTING MACHINE. RAM DISPLACEMENT IS USED AS THE PROGRAMMED FEEDBACK VARIABLE. (FOR MORE DETAIL SEE SAND80-1453)	D N P
ACQN/DEVL LOCATION : SNL				
SNSAND82131400.000	DATA FROM SAND82-1314: "UNIAXIAL AND TRIAXIAL COMPRESSION TEST SERIES ON CALICO HILLS TUFF."; 1) LOAD CELL LVDT'S, AND DISK GAGE CALIBRATION DATA; 2) ALUMINUM SAMPLE CALIBRATION DATA; AND 3) EXPERIMENTAL DATA - COMPRESSION TESTS.	11/13/81-10/01/82	FORTY-FOUR UNIAXIAL AND TRIAXIAL COMPRESSION EXPERIMENTS WERE PERFORMED ON SATURATED AND ROOM DRY SAMPLES AT NOMINAL STRAIN RATES; CONFINING PRESSURES OF 0.1, 10 AND 20 MPa; AND ROOM TEMPERATURE. THE MECHANICAL EXPERIMENTS WERE PERFORMED ON A LOAD FRAME HAVING A MAXIMUM LOAD CAPACITY OF 1.8 MN (400 KIP). THE UNCONFINED SAMPLES DEFORMED IN A BRITTLE MODE, WHILE THE CONFINED SAMPLES EXHIBITED MACROSCOPIC DUCTILE BEHAVIOR. (SEE SAND82-1314 FOR MORE DETAIL)	D N T
ACQN/DEVL LOCATION : SNL				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SMSAND82172300.000	DEVELOPED DATA FROM SAND 82-1723: 1) LOAD CELL LVDT'S AND DISK GAGE CALIBRATION DATA; 2) ALUMINUM SAMPLE CALIBRATION DATA 1.0 MN LOAD FRAME; 3) LOAD CELL, LVDT'S AND DISK GAGE CALIBRATION DATA 1.8 MN FRAME; 4) ALUMINUM SAMPLE CALIBRATION DATA - COMPRESSION TESTS	06/24/82-10/31/82	MECHANICAL EXPERIMENTS WERE PERFORMED ON LOAD FRAMES HAVING MAXIMUM LOAD CAPACITIES OF 1.0 MN (220 KIP) AND 1.8 MN (400 KIP) FOR THE UNIAXIAL AND TRIAXIAL TESTS. A CONSTANT DISPLACEMENT RATE OF THE LOADING PISTON IS ACHIEVED BY SERVO-CONTROL OF THE HYDRAULIC LOADING RAM WHILE MONITORING AN LVDT (LINEAR VARIABLE DISPLACEMENT TRANSFORMER) AT THE BASE OF THE LOADING COLUMN. (SEE SAND82-1723, PAGE 7-9 FOR A MORE DETAILED DESCRIPTION.) USW-G1 SAMPLES.	D N T
	ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM			
SMSAND83164600.000	DATA FROM SAND83-1646: 1) LOAD CELL LVDT AND DISK GAGE CALIBRATION DATA; 2) ALUMINUM SAMPLE CALIBRATION DATA; 3) SAMPLE DATA; 4) BRIEF SAMPLE DESCRIPTIONS; 5) BRIEF SAMPLE DESCRIPTIONS - SYMBOLS KEY; 6) EXPERIMENTAL DATA - FULLY SATURATED SAMPLES; 7) EXPERIMENTAL DATA - WET SAMPLES; 8) STATIC MECHANICAL PROPERTIES OF GU-3 760.9 SAMPLES; 9) ULTRASONIC VELOCITY DATA; 10) DYNAMIC ELASTIC MODEL OF GU-3 760.9 SAMPLES COMPRESSION TEST.	04/14/83-02/29/84	MECHANICAL EXPERIMENTS WERE PERFORMED ON A LOAD FRAME HAVING A MAXIMUM LOAD CAPACITY OF 1.8 MN (400 KIP). A CONSTANT DISPLACEMENT RATE OF THE LOADING PISTON IS ACHIEVED BY SERVO-CONTROL OF THE HYDRAULIC LOADING RAM WHILE MONITORING AN LVDT (LINEAR VARIABLE DISPLACEMENT TRANSFORMER) AT THE BASE OF LOADING COLUMN. THE THIRTY-FIVE TEST SPECIMENS WERE ALL RIGHT CIRCULAR CYLINDERS MACHINED FROM DRILLHOLE USW GU-3 CORE MATERIAL. SAMPLES WERE SATURATED OR PARTIALLY SATURATED. (SEE SAND83-1646, PAGES 5-9 FOR MORE DETAIL)	D N T
	ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM			



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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNSAND84086000.000	PETROLOGICAL, MINERALOGICAL, MECHANICAL AND BULK PROPERTIES OF LITHOPHYSAL TUFF.	08/30/83-02/28/85	DATA FOR MECHANICAL PROPERTIES WAS OBTAINED FROM TESTS PERFORMED IN COMPRESSION AT ATMOSPHERIC PRESSURE AND ROOM TEMPERATURE (23 DEGREES C.), AND A NOMINAL STRAIN RATE. THESE TESTS WERE PERFORMED ON A LOAD FRAME. PETROLOGIC DATA TABLES WERE OBTAINED FROM INDIVIDUAL STUDIES ON THE TOPOPAH SPRING MEMBER LITHOPHYSAL SAMPLES. CALIBRATION DATA WAS OBTAINED FROM MEASUREMENT GAGES USED IN THE MECHANICAL EXPERIMENTS. STRAIN & STRESS DATA RESULTS FROM THE MECHANICAL EXPERIMENTS ON THE TOPOPAH SPRING MEMBER LITHOPHYSAL SAMPLES. (SEE SAND84-0860 FOR MORE DETAIL).	D N T
ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM				
SNSAND84110100.000	SAND84-1101: "UNIAXIAL AND TRIAXIAL COMPRESSION TEST SERIES ON TOPOPAH SPRING TUFF FROM USW G-4, YUCCA MOUNTAIN, NEVADA." NNA.890804.0032	06/01/83-09/01/83	FIFTY-SEVEN UNIAXIAL AND TRIAXIAL COMPRESSION EXPERIMENTS WERE PERFORMED ON CYLINDRICAL SAMPLES TAKEN FROM THE TOPOPAH SPRING MEMBER OF THE PAINTERBUSH TUFF FROM DRILLHOLE USW G-4 AT YUCCA MOUNTAIN. ALL SAMPLES WERE 25.4 MM IN DIAMETER, 50.8 MM IN LENGTH, AND 100% WATER SATURATED. ALL SAMPLES DEFORMED IN COMPRESSION AT ROOM TEMPERATURE UNDER CONFINING PRESSURES RANGING FROM ATMOSPHERIC TO 10 MPA AND NOMINAL STRAIN RATES. (FOR MORE DETAIL SEE SAND84-1101).	D N T
ACQN/DEVL LOCATION : SNL				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		T D I F I T Y P E
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SNSAND85070300.000	BULK DENSITY, GRAIN DENSITY, POROSITY, UNIAXIAL AND TRIAXIAL COMPRESSIVE STRENGTH, POISSONS RATIO, AND YOUNGS MODULUS DATA FROM SAND85-0703: "UNIAXIAL AND TRIAXIAL COMPRESSION TEST SERIES ON THE TOPOPAH SPRING MEMBER FROM USW G-2, YUCCA MOUNTAIN, NEVADA"	06/21/85-03/01/87	MECHANICAL TESTS CONDUCTED ON INTACT SAMPLES OF THE TOPOPAH SPRING MEMBER OBTAINED FROM USW G-2 CORE HOLE AT 13 DIFFERENT STRATIGRAPHIC LEVELS. BULK DENSITY DATA OBTAINED VOLUMETRICALLY. GRAIN DENSITIES AND POROSITIES CALCULATED FROM BULK DENSITIES. (FOR MORE DETAIL SEE SAND85-0703)	D N T	
	ACQN/DEVL LOCATION : SNL				
SNSAND91703100.000	SAND91-7031: "MINERALOGY, PETROLOGY AND WHOLE-ROCK CHEMISTRY DATA COMPILATION FOR SELECTED SAMPLES OF YUCCA MOUNTAIN TUFFS." NNA.911202.0028	04/01/89-03/01/91	PETROLOGIC, BULK CHEMICAL, AND MINERALOGIC DATA ARE PRESENTED FOR 49 SAMPLES OF TUFFACEOUS ROCKS FROM CORE HOLES USW G-2 AND UE-25A11 AT YUCCA MOUNTAIN, NEVADA. DATA VARY CONSIDERABLY BETWEEN STRATIGRAPHIC GROUPS OF SAMPLES, AND INCLUDED THIN SECTION DESCRIPTIONS, ELECTRON MICROPROBE ANALYSES OF MINERAL PHASES AND MATRIX, MINERAL IDENTIFICATIONS BY X-RAY DIFFRACTION, AND MAJOR ELEMENT ANALYSES WITH UNCERTAINTY ESTIMATES. (FOR MORE DETAIL SEE SAND91-7031).	D N T	
	ACQN/DEVL LOCATION : UNM, ALBUQUERQUE, NM				

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.15.1.3.2				
SNL02040687003.001	MECHANICAL PROPERTY DATA TO ANALYZE THE RESPONSE OF SAMPLES OF UNIT TSW2 TO HIGH TEMPERATURE AND/OR LOW STRAIN RATES. COMPRESSIVE TESTS AT 22 DEGREES CENTIGRADE, 10-9 S-1, PC-PP=0.1 MPA.	12/14/90-01/22/92	EP-0002 REV. B: "EFFECTS OF VARIABLE ENVIRONMENTAL CONDITIONS ON COMPRESSIVE MECHANICAL PROPERTIES - HIGH TEMPERATURE/LOW STRAIN RATE EXPERIMENTS." DATED 07/20/88. TP-91, REV. A: "UNCONFINED COMPRESSION EXPERIMENTS AT 22 DEGREES CENTIGRADE AND A STRAIN RATE OF 10-9 S-1." DATED 4/2/90	A N C
ACQN/DEVL LOCATION : NEW ENGLAND RESEARCH INC, WHITE RIVER JUNCTION, VT				
Activity - 8.3.1.15.1.4				
SNL02060183001.001	MATRIX COMPRESSIVE TESTS TO CHARACTERIZE THE TUPOFAH SPRING MEMBER IN USW G-4.	07/01/83-08/01/83	TESTS PERFORMED ON A LOAD FRAME HAVING A MAXIMUM LOAD CAPACITY OF 1.0 MN (200 KIP). A CONSTANT DISPLACEMENT RATE OF THE LOADING PISTON IS ACHIEVED BY SERVO-CONTROL OF THE HYDRAULIC LOADING RAM WHILE MONITORING A LINEAR VARIABLE DISPLACEMENT TRANSFORMER (LVDT) AT THE BASE OF THE LOADING COLUMN. AXIAL FORCE WAS CALCULATED BY DIVIDING THE FORCE MEASURED ON A STANDARD LOAD CELL BY THE ORIGINAL CROSS-SECTIONAL AREA OF THE SAMPLE. AXIAL & LATERAL STRAIN WERE ALSO CALCULATED. AXIAL FORCE, AXIAL DISPLACEMENT, TRANSVERSE DISPLACEMENT, HUM DISPLACEMENT, AND TIME DATA WERE COLLECTED, REDUCED, AND PLOTTED BY A MINI-COMPUTER, AND STORED ON FLOPPY DISKS. (SEE SAND84-1101 FOR A MORE DETAILED DESCRIPTION.)	A N C
ACQN/DEVL LOCATION : SNL				

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# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
SNL02101283001.001	MATRIX COMPRESSIVE TESTS TO CHARACTERIZE THE TOPOPAH SPRING MEMBER IN USW G-4.	11/07/83-10/05/84	EXPERIMENTS WERE PERFORMED ON A LOAD FRAME A N C WITH A MAXIMUM CAPACITY OF 1.1 MN. CONSTANT DISPLACEMENT RATE OF THE LOADING PISTON WAS ACHIEVED BY SERVO-CONTROL OF THE HYDRAULIC LOADING RAM WITH SERVO-FEEDBACK FROM AN LVDT MOUNTED AT THE TOP OF THE LOADING COLUMN. AXIAL STRESS AND STRAIN WERE CALCULATED. AVERAGE LATERAL STRAIN WAS THEN OBTAINED BY DIVIDING THE AVERAGE DISPLACEMENT BY THE AVERAGE VALUE OF THE ORIGINAL DIAMETER OF THE SAMPLE. AXIAL FORCE, AXIAL DISPLACEMENT, TRANSVERSE DISPLACEMENT, RAM DISPLACEMENT, AND TIME DATA WERE COLLECTED, REDUCED, AND STORED ON MAGNETIC TAPES. (FOR MORE DETAIL SEE SAND84-1101.)
ACQN/DEVL LOCATION : TERRA TEK, SALT LAKE CITY, UT			
Activity - 8.3.1.15.1.4.1			
SNL0210145300.000	SAND80-1453: "ROCK MECHANICS PROPERTIES OF VOLCANIC TUFFS FROM THE NEVADA TEST SITE." NNA.870406.0497	11/01/78-07/01/80	UNIAXIAL AND TRIAXIAL COMPRESSION TEST AT D N P CONSTANT STRAIN-RATE WERE RUN ON SAMPLES OF VOLCANIC TUFF FROM HOLE UE25A#1 AND G-TUNNEL, BOTH LOCATED ON THE NEVADA TEST SITE. TESTING IS ACCOMPLISHED IN A 1.8 GN ULTRA-STIFF, ELECTRO-HYDRAULIC, SERVO-CONTROLLED COMPRESSION TESTING MACHINE. RAM DISPLACEMENT IS USED AS THE PROGRAMMED FEEDBACK VARIABLE. (FOR MORE DETAIL SEE SAND80-1453)

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.15.1.7.1				
SNF15062689001.001	HIGH PRESSURE FLATJACK EVALUATION, PART OF THE ONGOING G-TUNNEL EQUIPMENT AND INSTRUMENT DEVELOPMENT AND DEMONSTRATION PER EP-0026.	08/03/89-01/10/90	SAFE OPERATING PROCEDURE FOR HIGH PRESSURE A N C FLATJACK TESTING AT G-TUNNEL UNDERGROUND FACILITY, NTS (SOP 11700 8705) & DEVELOPMENTAL FIELD TESTING (DRAFT 06/26/89 - YMP EP-0026 REV 0.). THE FLATJACK CANCELLATION (FC) METHOD IS USED TO MEASURE STRESSES NEAR THE SURFACES OF ROCK MASSES. THE METHOD INVOLVES DISTANCE MEASUREMENTS BEFORE AND AFTER A SLOT IS CUT IN THE ROCK SURFACE. AS THE SLOT IS CUT, THE ROCK CONVERGES SLIGHTLY, A FLATJACK IS INSTALLED IN THE SLOT AND PRESSURIZED TO RETURN THE SLOT DIMENSIONS TO THE PRE-SLOT CUTTING VALUES. FC PRESSURE CAN BE MATHEMATICALLY RELATED TO THE STRESS ACTING NORMAL TO THE SLOT. MEASUREMENTS WERE TAKEN IN CYCLES.	
ACQN/DEVL LOCATION : G-TUNNEL, YUCCA MOUNTAIN, NEVADA				
Activity - 8.3.1.15.2.1.2				
**GS900983115212.001	REPORT ON TELEVIEWER LOG AND STRESS MEASUREMENTS IN CORE HOLE USW G-1, NEVADA TEST SITE, DECEMBER 13-22, 1981, J.H. HEALY, S.H. HICKMAN, M.D. ZOBACK, AND W.L. ELLIS	01/01/82-03/21/83	USGS STANDARD COLLECTION METHODS.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				

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# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS900983115212.002	REPORT ON TELEVIEWER LOG AND STRESS MEASUREMENTS IN CORE HOLE USW G-2, NEVADA TEST SITE, OCTOBER-NOVEMBER 1982, BY J.M. STOCK, J.H. HEALY, AND S.H. HICKMAN  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/83-01/12/84	USGS STANDARD COLLECTION METHODS.	D N C
**GS900983115212.003	REPORT ON TELEVIEWER LOG AND STRESS MEASUREMENTS IN HOLES USW G-3 AND UE-25P1(UE-25P #1), YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY J.M. STOCK, J.H. HEALY, J. SVITEK, AND L. MASTIN  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/84-05/10/85	USGS STANDARD COLLECTION METHODS.	D N C
Activity - 8.3.1.15.2.2.1				
**GS900983115221.001	ANALYSIS OF THERMAL DATA FROM DRILL HOLES UE25A-3 (UE-25A #3) AND UE25A-1 (UE-25A #1), CALICO HILLS AND YUCCA MOUNTAIN, NEVADA TEST SITE, BY J.H. SASS, A.H. LACHENBRUCH, AND C.W. MASE  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/80-06/13/80	USGS STANDARD COLLECTION METHODS.	D N C
**GS900983115221.002	PRELIMINARY INTERPRETATION OF THERMAL DATA FROM THE NEVADA TEST SITE, BY J.H. SASS AND A.H. LACHENBRUCH  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/80-06/13/80	USGS STANDARD COLLECTION METHODS. ANALYSIS OF DATA FROM 60 WELLS IN AND AROUND THE NEVADA TEST SITE, INCLUDING 16 IN THE YUCCA MOUNTAIN AREA	D N C

## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.16.1.1.1				
*GS900983116111.001	FLOOD POTENTIAL OF TOPOPAH WASH AND TRIBUTARIES, EASTERN PART OF JACKASS FLATS, NEVADA TEST SITE, SOUTHERN NEVADA, BY R.C. CHRISTENSEN AND N.E. SPAHR	01/01/79-07/31/80	USGS STANDARD TEST METHODS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
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 C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS910783116111.003	PEAK FLOW ESTIMATE, DATA INCLUDE STREAM CHANNEL MEASUREMENTS AND DISCHARGE ESTIMATES. RECORD INCLUDES SLOPE CONVEYANCE FIELD FORM (NV-300-03 (1989)), SITE LOCATION MAP, AND ACCOMPANYING PHOTOGRAPH (S) FOR EACH SITE.	08/02/90-08/01/91	INDIRECT METHOD FOR DETERMINING PEAK DISCHARGE OF A STREAM. THIS METHOD USES STREAM CHANNEL MEASUREMENTS AND ESTIMATED FLOW VELOCITY TO COMPUTE THE PEAK DISCHARGE OF A STREAM AFTER THE STREAMFLOW HAS RECEDED. THIS METHOD IS DESCRIBED IN DETAIL IN RP 114, RO, "ESTIMATING STREAMFLOW DISCHARGE", EFFECTIVE DATE 6/8/88, SECTION 4.2.2.	A Y P
ACQN/DEVL LOCATION : AMARGOSA R. AT HWY 127 CKING 50' UPSTREAM FROM HWY				
GS920183116111.001	UNNAMED TRIBUTARY FROM PINE NUT MTS. TO CARSON RIVER AT FREMONT DRIVE. PEAK FLOW ESTIMATES. DATA INCLUDE STREAM-CHANNEL MEASUREMENTS AND DISCHARGE ESTIMATES. RECORDS INCLUDES SLOPE CONVEYANCE FIELD FORM (NV-300-03, 1989), SITE LOCATION MAP, AND PHOTOGRAPH(S) OF DATA COLLECTION SITE.	08/07/91-08/07/91	INDIRECT METHOD FOR DETERMINING PEAK DISCHARGE OF A STREAM. THIS METHOD USES STREAM CHANNEL MEASUREMENTS AND ESTIMATED FLOW VELOCITY TO COMPUTE THE PEAK DISCHARGE OF A STREAM AFTER THE STREAMFLOW HAS RECEDED. THIS METHOD IS DESCRIBED IN DETAIL IN RP-114, RO, SECTION 4.2.2.	A Y P
ACQN/DEVL LOCATION : 39 01'32"N 119 42'31"W				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920183116111.002	PEESE RIVER CANYON NEAR SCHURZ, NV. PEAK FLOW ESTIMATES. DATA INCLUDE STREAM-CHANNEL MEASUREMENTS AND DISCHARGE ESTIMATES. RECORDS INCLUDES SLOPE CONVEYANCE FIELD FORM (NV-300-03, 1989), SITE LOCATION MAP, AND PHOTOGRAPH(S) OF DATA COLLECTION SITE.  ACQN/DEVL LOCATION : 28 51'00"N 118 46'54"W	07/01/91-07/01/91	INDIRECT METHOD FOR DETERMINING PEAK DISCHARGE OF A STREAM. THIS METHOD USES STREAM CHANNEL MEASUREMENTS AND ESTIMATED FLOW VELOCITY TO COMPUTE THE PEAK DISCHARGE OF A STREAM AFTER THE STREAMFLOW HAS RECEDED. THIS METHOD IS DESCRIBED IN DETAIL IN HP-114, RO, SECTION 4.2.2.	A Y P
GS920183116111.003	UNNAMED TRIBUTARY TO JUMBO CREEK AT NEW WASHOE CITY, NV. PEAK FLOW ESTIMATES. DATA INCLUDE STREAM-CHANNEL MEASUREMENTS AND DISCHARGE ESTIMATES. RECORDS INCLUDES SLOPE CONVEYANCE FIELD FORM (NV-300-03, 1989), SITE LOCATION MAP, AND PHOTOGRAPH(S) OF DATA COLLECTION SITE.  ACQN/DEVL LOCATION : 39 17'09"N 119 45'04"W	08/05/91-08/05/91	INDIRECT METHOD FOR DETERMINING PEAK DISCHARGE OF A STREAM. THIS METHOD USES STREAM CHANNEL MEASUREMENTS AND ESTIMATED FLOW VELOCITY TO COMPUTE THE PEAK DISCHARGE OF A STREAM AFTER THE STREAMFLOW HAS RECEDED. THIS METHOD IS DESCRIBED IN DETAIL IN HP-114, RO, SECTION 4.2.2.	A Y P
GS920183116111.004	JUMBO CREEK AT NEW WASHOE CITY, NV. PEAK FLOW ESTIMATES. DATA INCLUDE STREAM-CHANNEL MEASUREMENTS AND DISCHARGE ESTIMATES. RECORDS INCLUDES SLOPE CONVEYANCE FIELD FORM (NV-300-03, 1989), SITE LOCATION MAP, AND PHOTOGRAPH(S) OF DATA COLLECTION SITE.  ACQN/DEVL LOCATION : 39 16'58"N 119 44'50"W	08/05/91-08/05/91	INDIRECT METHOD FOR DETERMINING PEAK DISCHARGE OF A STREAM. THIS METHOD USES STREAM CHANNEL MEASUREMENTS AND ESTIMATED FLOW VELOCITY TO COMPUTE THE PEAK DISCHARGE OF A STREAM AFTER THE STREAMFLOW HAS RECEDED. THIS METHOD IS DESCRIBED IN DETAIL IN HP-114, RO, SECTION 4.2.2.	A Y P



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920183116111.005	UNNAMED WASH JUST SOUTH OF HOT SPRINGS MTN., CARSON VALLEY, NV. PEAK FLOW ESTIMATES. DATA INCLUDE STREAM-CHANNEL MEASUREMENTS AND DISCHARGE ESTIMATES. RECORDS INCLUDES SLOPE CONVEYANCE FIELD FORM (NV-300-03, 1989), SITE LOCATION MAP.	08/07/91-08/07/91	INDIRECT METHOD FOR DETERMINING PEAK DISCHARGE OF A STREAM. THIS METHOD USES STREAM CHANNEL MEASUREMENTS AND ESTIMATED FLOW VELOCITY TO COMPUTE THE PEAK DISCHARGE OF A STREAM AFTER THE STREAMFLOW HAS RECEDED. THIS METHOD IS DESCRIBED IN DETAIL IN HP-114, RO, SECTION 4.2.2.	A Y P
ACQN/DEVL LOCATION : 39 02'46"N 119 42'51"W				
GS920183116111.006	UNNAMED TRIBUTARY TO WASHOE LAKE FROM VIRGINIA RANGE NEAR NEW WASHOE CITY, NV. PEAK FLOW ESTIMATES. DATA INCLUDE STREAM-CHANNEL MEASUREMENTS AND DISCHARGE ESTIMATES. RECORDS INCLUDES SLOPE CONVEYANCE FIELD FORM (NV-300-03, 1989), SITE LOCATION MAP, AND PHOTOGRAPH(S) OF DATA COLLECTION SITE.	08/05/91-08/05/91	INDIRECT METHOD FOR DETERMINING PEAK DISCHARGE OF A STREAM. THIS METHOD USES STREAM CHANNEL MEASUREMENTS AND ESTIMATED FLOW VELOCITY TO COMPUTE THE PEAK DISCHARGE OF A STREAM AFTER THE STREAMFLOW HAS RECEDED. THIS METHOD IS DESCRIBED IN DETAIL IN HP-114, RO, SECTION 4.2.2.	A Y P
ACQN/DEVL LOCATION : 39 17'35"N 119 46'06"W				
GS930583116111.001	FLOOD POTENTIAL OF FORTYMILE WASH AND ITS PRINCIPAL SOUTHWESTERN TRIBUTARIES, NEVADA TEST SITE, SOUTHERN NEVADA, BY ROBERT R. SQUIRES AND RICHARD L. YOUNG	01/01/82-01/10/83	REGIONAL ANALYSIS OF STREAMFLOW RECORDS USED TO ESTIMATE 100- AND 500-YEAR DISCHARGES. WATER-SURFACE ALTITUDES WERE ESTIMATED BY SLOPE-CONVEYANCE COMPUTATION.	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 - 9.3...16.2.1.4				
GS910983116214.001	COMPUTER SIMULATIONS FOR REPORT ENTITLED "SIMULATED EFFECTS OF PUMPING WELLS J-13 AND J-12 IN THE VICINITY OF YUCCA MOUNTAIN" BY JOHN B. CZARNECKI	08/01/91-08/31/91	COMPUTER SIMULATION MODELING USING MODFE. SIMULATION OF VARIOUS WITHDRAWAL RATES USING A TWO-DIMENSIONAL, SUBREGIONAL, FINITE-ELEMENT MODEL OF GROUND-WATER FLOW.	D N C
ACQN/DEVL LOCATION : USGS, DENVER				
Activity - 8.3.1.17.2.1.2				
**GS900983117212.001	A SLINGRAM SURVEY AT YUCCA MOUNTAIN ON THE NEVADA TEST SITE, BY VINCENT J. PLANIGAN.	01/01/80-12/31/80	USGS STANDARD COLLECTION METHODS. ELECTROMAGNETIC (EM) DATA PRESENTED IN THIS REPORT IS PART OF A STUDY BY THE USGS AIMED AT EVALUATING THE MIOCENE (?) AND PLEISTOCENE YUCCA MOUNTAIN MEMBER OF VARIOUS UNITS OF THE PAINTBRUSH TUFF IN THE VICINITY OF YUCCA MOUNTAIN AS A POSSIBLE REPOSITORY FOR NUCLEAR WASTES.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.17.3.1				
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.3.3				
**3S900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.17.3.3.2				
SNF080000000001.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE CONTACT.	06/22/89-06/22/89	TEST WAS UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	A N P
ACQN/DEVL LOCATION : NRDA FIRE STATION - ARFA 25/NTS				
SNF080000000002.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE AMARILLO.	06/27/89-06/27/89	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	A N P
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SNF08000000003.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE ALAMO.	07/07/88-07/07/88	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	A N P
ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS				
SNF08000000004.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE DAHLHART.	10/13/88-10/13/88	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	A N P
ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS				
SNF08000000005.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE KEARSARGE.	08/17/88-08/17/88	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE ON AN ANALOG TAPE.	A N P
ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
SNF08000000006.000	DIGITIZING/DATA REDUCTION PLOTS AND DATA FROM UNE BULLION.	06/13/90-03/18/91	DATA REDUCED AND DIGITIZED USING TECHNICAL D N P PROCEDURE (TP) 82, REV. C: PROCEDURE FOR ACQUIRING, DIGITIZING, PROCESSING, STORING GROUND MOTION DATA FROM UNDERGROUND NUCLEAR EXPLOSIONS.
ACQN/DEVL LOCATION : SNL			
SNF08000000007.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE BULLION.	06/13/90-06/13/90	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION A N P (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.
ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS			
SNF08000000008.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE COMSTOCK.	06/02/88-06/02/88	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION A N P (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.
ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
SNF08000000009.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE BARNWELL.	12/08/89-12/08/89	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.
ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS			
SNF08100000010.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE DELAMAR.	04/18/87-04/18/87	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.
ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS			
SNF08000000011.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE KERNVILLE.	02/15/88-02/15/88	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.
ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
SNF08000000012.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE LOCKNEY.	09/24/87-09/24/87	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.
ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS			
SNF08000000013.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE HARDIN.	04/30/87-04/30/87	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.
ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS			
SNF08000000014.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE TAHOKA.	08/13/87-08/13/87	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.
ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNF08000000015.000	COMPONENT GROUND MOTION AT THE NEVADA TEST SITE FROM PAHUTE MESA UNDERGROUND NUCLEAR EXPLOSIONS	01/01/70-12/31/89	ACQUISITION, DIGITIZING, PROCESSING, STORAGE, AND RETRIEVAL OF GROUND MOTION DATA IS DESCRIBED IN EP-0038: "EXPERIMENT PROCEDURE (EP) FOR ACQUIRING, DIGITIZING, PROCESSING, STORING AND RETRIEVING GROUND MOTION DATA FROM UNDERGROUND NUCLEAR EXPLOSIONS". THIS EP CROSS-REFERENCES TECHNICAL PROCEDURE: TP-209 AND TP-211 THROUGH TP-214.	A N C
ACQN/DEVL LOCATION : TESTING SOURCE AREAS: PAHUTE MESA AND YUCCA FLAT				
SNSAND8710400.000	SAND85-7104: "GROUND MOTION EVALUATIONS AT YUCCA MOUNTAIN, NEVADA WITH APPLICATIONS TO REPOSITORY CONCEPTUAL DESIGN AND SITING."	03/01/85-02/01/86	URS/JOHN A. BLUME & ASSOCIATES, ENGINEERS, D M C UNDER CONTRACT TO SNL, HAS EVALUATED THE POTENTIAL SEISMIC GROUND MOTION AT YUCCA MOUNTAIN AND CONSIDERED SOME OF THE ENGINEERING ISSUES THAT GROUND MOTION RAISES REGARDING SITING AND CONCEPTUAL DESIGN OF THE REPOSITORY. (SEE SAND85-7104 FOR MORE DETAIL).	
ACQN/DEVL LOCATION : URS/JOHN A. BLUME & ASSOC., ENGINEERS.				
SNSAND88303300.000	ONE EVENT AND STATION INFORMATION, SAND88-3033: "TWO-DIMENSIONAL VELOCITY MODELS FOR PATHS FROM PAHUTE MESA AND YUCCA FLAT TO YUCCA MOUNTAIN" NNA.901015.0051	12/17/80-09/24/87	VERTICAL ACCELERATION RECORDINGS OF 21 UNDERGROUND NUCLEAR EXPLOSIONS RECORDED AT STATIONS AT YUCCA MOUNTAIN PROVIDE THE DATA FOR DEVELOPMENT OF THREE TWO-DIMENSIONAL CRYSTAL VELOCITY PROFILES FOR PORTIONS OF THE NEVADA TEST SITE. (FOR MORE DETAIL SEE SAND88-3033).	D M T
ACQN/DEVL LOCATION : SNL				



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Activity - 8.3.1.17.3.5

**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY. SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.
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ACQN/DEVL LOCATION : USGS, MENLO PARK, CA

Activity - 8.3.1.17.3.5.2

GS930583117352.001	A STUDY OF GROUND MOTION ATTENUATION IN THE SOUTHERN GREAT BASIN, NEVADA-CALIFORNIA, USING SEVERAL TECHNIQUES FOR ESTIMATES OF QS, LOG AO, AND CODA Q, BY A.M. ROGERS, S.C. HARMSSEN, R.B. HERRMANN, AND M.E. MEREMONTE	01/01/85-05/21/85	REGRESSION MODEL SIMILAR TO BAKUN AND JOYNER (1984, BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA), USED TO EVALUATE DECAY OF VERTICAL COMPONENT PEAK AMPLITUDES IN THE SOUTHERN GREAT BASIN. ABILITY OF MODEL TO EXTRACT CORRECT ATTENUATION BY STOCHASTIC SIMULATION. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.
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ACQN/DEVL LOCATION : USGS, DENVER, CO

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Activity - 8.3.1.17.3.6				
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.17.3.6.2				
GS930583117362.001	A RECONNAISSANCE ASSESSMENT OF PROBABLISTIC EARTHQUAKE ACCELERATIONS AT THE NEVADA TEST SITE, BY DAVID M. PERKINS, PAUL C. THENHAUS, STANLEY L. HANSON, AND S.T. ALGERMISSEN	01/01/86-04/02/86	CREATION OF AN EARTHQUAKE PROBABILITY MODEL BASED ON HISTORICAL SEISMICITY AND FAULT MAPPING.	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 - 8.3.1.17.4.1				
**GS9C0908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.17.4.1.1				
**GS9C0983117411.001	SOUTHERN GREAT BASIN SEISMOLOGICAL DATA REPORT FOR 1980 AND PRELIMINARY DATA ANALYSIS, BY A.M. ROGERS, S.C. HARMSEN, AND W.J. CARR.	01/01/81-06/21/81	USGS STANDARD COLLECTION METHODS. EARTHQUAKE DATA FOR THE CALENDAR YEAR 1980 AND EARTHQUAKES OCCURRING WITHIN AND ADJACENT TO THE SOUTHERN NEVADA SEISMOGRAPH NETWORK.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
**GS9C0983117411.002	A STUDY OF SURFACE AND SUBSURFACE GROUND MOTIONS AT CALICO HILLS, NEVADA TEST SITE, BY KENNETH W. KING	01/01/80-12/31/80	USGS STANDARD COLLECTION METHODS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS900983117411.003	SOUTHERN GREAT BASIN SEISMOLOGICAL DATA REPORT FOR 1981 AND PRELIMINARY DATA ANALYSIS BY A.M. ROGERS, S.C. HARMSSEN, W.J. CARR AND W. SPENCE  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/81-12/31/81	EARTHQUAKE DATA OCCURRING WITHIN AND ADJACENT TO THE SOUTHERN GREAT BASIN SEISMOLOGICAL NETWORK.	D N C
**GS900983117411.004	HISTORICAL CATALOG OF SOUTHERN GREAT BASIN EARTHQUAKES 1868-1978, BY MARK E. MEREMONTE AND ALBERT M. ROGERS.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/87-01/01/88	USGS STANDARD COLLECTION METHODS.	D N C
**GS900983117411.005	EARTHQUAKE LOCATION DATA FOR THE SOUTHERN GREAT BASIN OF NEVADA AND CALIFORNIA: 1984 THROUGH 1986. BY S.C. HARMSSEN AND A.M. ROGERS  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/87-05/05/87	USGS STANDARD COLLECTION METHODS.	D N C
**GS900983117411.006	EVALUATION OF THE SEISMICITY OF THE SOUTHERN GREAT BASIN AND ITS RELATIONSHIP TO THE TECTONIC FRAMEWORK OF THE REGION, BY A.M. ROGERS, S.C. HARMSSEN AND M.E. MEREMONTE  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/86-01/01/87	USGS STANDARD COLLECTION METHODS. DATA FOR EARTHQUAKES FOR THE CALENDAR YEARS 1982 AND 1983. DURING THE PERIOD OF AUGUST, 1978, TO DECEMBER, 1983, SEVERAL EARTHQUAKES WERE LOCATED WITHIN AND ADJACENT TO THE SOUTHERN GREAT BASIN SEISMOGRAPH NETWORK. EARTHQUAKE HYPOCENTERS, SELECTED FOCAL MECHANISMS AND OTHER INFERRED SEISMICITY CHARACTERISTICS ARE PRESENTED AND DISCUSSED IN RELATION TO THE LOCAL AND REGIONAL GEOLOGIC FRAMEWORK.	D N C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930383117411.001	ANALYSIS OF EARTHQUAKE DATA RECORDED BY DIGITAL FIELD SEISMIC SYSTEMS, JACKASS FLATS, NEVADA, BY A.C. TARR AND A.M. ROGERS.	01/01/85-05/30/86	SUMMARIES OF 1) RESULTS OF SPECTRAL ANALYSES OF 10 EARTHQUAKES OCCURRING IN/NEAR THE NTS AND 2) EVIDENCE SUPPORTING THE VALIDITY OF THE NEW SOUTHERN GREAT BASIN SEISMIC NETWORK (SGBSN) CODA DURATION MAGNITUDE SCALE. ARRIVAL TIMES AND FIRST MOTIONS DETERMINED BY SEISMIC DATA ANALYSIS PKG. (SDAP) PROGRAM. SPECTRA DETERMINED BY SPCJMP ANALYSIS PROGRAM. MOMENT MAGNITUDES DETERMINED USING MOMENT-MAG. RELATIONSHIP ADAPTED FROM BAKUN, W.H., 1984, SEISMIC MOMENTS, LOCAL MAGNITUDES, AND CODA DURATION MAGNITUDES FOR EARTHQUAKES IN CENTRAL CA, BULLETIN SEISMOLOGICAL SOC. OF AMER., V.74. FOCAL MAGNITUDE DETERMINED BY TRANSFORMING THE DIGITAL VELOCITY TIME-SERIES INTO A DISPLACEMENT TIME-SERIES FOR A STANDARD WOOD-ANDERSON SEISMOGRAPH AND SCALING THE MAXIMUM DISPLACEMENT AMPLITUDE PEAK GROUND MOTION PARAMETERS DETERMINED BY COMBINING HYPOCENTRAL DISTANCE, DENSITY, PEAK VELOCITY AND PEAK ACCELERATION	D N P

ACQN/DEVL LOCATION : USGS, DENVER, CO

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# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.1.2				
**GS900983117411.001	SOUTHERN GRE. ? BASIN SEISMOLOGICAL DATA REPORT FOR 1980 AND PRELIMINARY DATA ANALYSIS, BY A.M. ROGERS, S.C. HARMSSEN, AND W.J. CARR.	01/01/81-06/21/81	USGS STANDARD COLLECTION METHODS. EARTHQUAKE DATA FOR THE CALENDAR YEAR 1980 AND EARTHQUAKES OCCURING WITHIN AND ADJACENT TO THE SOUTHERN NEVADA SEISMOGRAPH NETWORK.	D N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS900983117412.003	A SEISMIC STUDY OF YUCCA MOUNTAIN AND VICINITY, SOUTHERN NEVADA, DATA REPORT AND PRELIMINARY RESULTS, BY LYNN R. HOFFMAN AND WALTER D. MOONEY	01/01/83-06/23/83	SEISMIC REFRACTION AND SHOTPOINT DEPLOYMENT RECORDINGS.	D N C
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
**GS900983117412.047	LOCATION REFINEMENT OF EARTHQUAKES IN THE SOUTHWESTERN GREAT BASIN, 1931-1974, AND SEISMOTECTONIC CHARACTERISTICS OF SOME OF THE IMPORTANT EVENTS, BY G.W. GANTHROP AND W.J. CARR	01/01/87-01/01/88	USGS STANDARD COLLECTION METHODS.	D N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS901283117412.008	EARTHQUAKE DATA - DECEMBER 3 TO DECEMBER 7, 1990. DEVELOCORDER FILM.	12/03/90-12/07/90	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS910183117412.007	SEISMIC DATA - REGIONAL - NOVEMBER 20, 1990 TO JANUARY 13, 1991. MAGNETIC TAPES.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	11/20/90-01/13/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS910183117412.009	EARTHQUAKE DATA - DECEMBER 7, 1990 - JANUARY 22, 1991. DEVELOCORDER FILM.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	12/07/90-01/22/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS910283117412.005	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVES TAPES. NOVEMBER 31, 1990 - FEBRUARY 16, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	11/30/90-02/16/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y C
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 13, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	12/11/90-02/13/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS910383117412.010	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES: L1092B-L1094B, DATES: FEBRUARY 17-MARCH 3, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	02/17/91-03/03/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS910383117412.011	EARTHQUAKE DEVELOCORDER FILMS (33 BOXES) . DATES: OCTOBER 2-4, 1990, NOVEMBER 3-5, 1990, NOVEMBER 7-9, 1990, FEBRUARY 3-5, 1991, FEBRUARY 27-MARCH 7, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	10/02/90-03/07/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS910383117412.012	DEVELOCODER FILMS, 27 BOXES, MARCH 7 TO MARCH 25, 1991 - EARTHQUAKE DEVELOCODER FILM.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	03/07/91-03/25/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS910383117412.013	DIGITAL ARCHIVE TAPES, 4 TAPES, L1095B-L1098B, MARCH 1 TO MARCH 14, 1991, SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	03/01/91-03/14/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS910483117412.014	42 EARTHQUAKE DEVELOCORDER FILMS. DATES: 03/29/-04/24.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	03/29/91-04/24/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS910483117412.015	7 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. NUMBERED: L1099-L1105. DATES: 03/15/91-04/25/91.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	03/15/91-04/25/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS910583117412.016	20 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L033-L041, L043, L044, L045, L091, L095, L460, L461, L480, L490, L491, L492. DATES: 1/10/83 TO 12/28/84.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/10/83-12/28/84	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N F
GS910583117412.017	31 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L501-L504, L506-L532. DATES: 1/1/85-1/1/86.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/01/85-01/01/86	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N F
GS910583117412.018	40 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L600-L639. DATES: 1/2/86-12/31/86.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/02/86-12/31/86	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N F
GS910583117412.019	26 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L640-L642, L643-L645, L647-L669. DATES: 1/01/87 - 12/31/87.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/01/87-12/31/87	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N F

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GS910583117412.020	57 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L800-L856. DATES: 1/01/88-8/29/88.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/01/88-08/29/88	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
GS910583117412.021	44 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L857-L900. DATES: 8/29/88-12/30/88.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	08/29/88-12/30/88	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
GS910583117412.022	129 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L901-L1029. DATES: 12/30/88-12/30/89.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	12/30/88-12/30/89	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
GS910583117412.023	51 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L1030-L1080. DATES: 01/02/90-12/04/90.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/02/90-12/04/90	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N C
GS910583117412.024	1419 EARTHQUAKE DEVELOCORDER FILMS. DATES 4/1/73-1/2/80.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	04/01/73-01/02/80	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T Q D U L I A O F L C I A T F T Y I I P E O E D N
GS910583117412.025	549 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/80-1/2/81.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/02/80-01/02/81	SOUTHERN GREAT BASIN SEISMIC NETWORK	A N P
GS910583117412.026	546 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/81-1/2/82.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/02/81-01/02/82	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
GS910583117412.027	549 EARTHQUAKE DEVFLOCORDER FILMS. DATES 1/2/82-1/2/83.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/02/82-01/02/83	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
GS910583117412.028	546 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/83-1/2/84.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/02/83-01/02/84	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
GS910583117412.029	545 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/84-1/2/85.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/02/84-01/02/85	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
GS910583117412.030	545 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/85-1/2/86.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/02/85-01/02/86	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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	SOUTHERN GREAT BASIN SEISMIC NETWORK	A N P
GS910583117412.032	521 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/1/87-1/2/88.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/01/87-01/02/88	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
GS910583117412.033	549 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/88-1/2/89.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/02/88-01/02/89	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
GS910583117412.034	546 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/89-1/1/90.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/02/89-01/01/90	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
GS910583117412.035	552 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/1/90-1/2/91.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/01/90-01/01/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N C
GS910583117412.036	EARTHQUAKE DEVELOCORDER FILMS. DATES: MAY 2, 1991-MAY 12, 1991 (18 BOXES).  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	05/02/91-05/12/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS910583117412.037	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. L1106B, DATES: APRIL 18, 1991-MAY 2, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	04/18/91-05/02/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS910563117412.044	34 SOUTHERN GREAT BASIN LOCAL EARTHQUAK. ARCHIVE TAPES NUMBERED: L001-L032, L054-L059. DATES: 9/16/81-12/30/82.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	09/16/81-12/30/82	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
GS910683117412.038	EARTHQUAKE DEVELOCORDER. DATES: MAY 16, 1991 - MAY 30, 1991, JUNE 1, 1991-JUNE 11, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	05/16/91-06/11/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS910683117412.039	SOUTHERN GREAT BASIN LOCAL EARTHQUAKES ARCHIVE TAPES. DATES: APRIL 30, 1991-MAY 28, 1991, L1107B-L111B, 5 TAPES.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	04/30/91-05/28/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS910783117412.040	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATES: MAY 28, 1991 - JUNE 12, 1991, 5 TAPES L1112B-L1117B.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	05/28/91-06/12/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS910783117412.041	EARTHQUAKE DEVELOCORDER FILMS. DATES - JUNE 13, 1991 - JUNE 27, 1991, 21 BOXES.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	06/13/91-06/27/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS910893117412.042	EARTHQUAKE DEVELOCORDER FILMS. 60 BOXES. DATES: JULY 3, 1991 - AUGUST 12, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	07/03/91-08/12/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
GS910883117412.043	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATES: JUNE 12, 1991 - JULY 27, 1991. (L1118B-L1129B).  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	06/12/91-07/27/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A N P
GS910883117412.048	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR DATES AUG. 16, 1991 TO AUG. 29, 1991. L1135B-L1137B.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	08/16/91-08/29/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
GS910983117412.045	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATES: JULY 16 - AUGUST 16, 1991. (L1130B-L1134B).  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	07/16/91-08/16/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P

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GS910983117412.046	EARTHQUAKE DEVELOCORDER FILMS. 27 BOXES. DATES: AUGU 7 12-AUGUST 30, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	08/12/91-08/30/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A	Y P
GS910983117412.049	EARTHQUAKE DEVELOCORDER FILMS FOR DATES AUGUST 30, 1991 TO SEPTEMBER 9, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	08/30/91-09/09/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	A	Y P
GS910983117412.050	EARTHQUAKE DEVELOCORDER FILMS FOR DATES SEPTEMBER 9, 1991 TO SEPTEMBER 27, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN.	09/09/91-09/27/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A	Y P
GS911083117412.051	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN FOR DATES SEPTEMBER 27 THROUGH OCTOBER 11, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	09/27/91-10/11/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	A	Y P
GS911083117412.052	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN FOR DATES OCTOBER 11 THROUGH OCTOBER 25, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	10/11/91-10/25/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	A	Y P

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GS911083117412.053	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR DATES AUGUST 29, THROUGH SEPTEMBER 17, 1991. NUMBERED L1138B-L1142B.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	08/29/91-09/17/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS911183117412.054	EARTHQUAKE DEVELOCORDER FILM OF THE SOUTHERN GREAT BASIN FOR THE DATES OCTOBER 29 THROUGH NOVEMBER 14, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	10/29/91-11/14/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS911183117412.055	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR THE DATES SEPTEMBER 17 THROUGH SEPTEMBER 26, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	09/17/91-09/26/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS911183117412.056	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR DATES SEPTEMBER 27 THROUGH NOVEMBER 7, 1991. NUMBERED L1149B-L1155B.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	09/27/91-11/07/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
GS911183117412.057	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN FOR DATES NOVEMBER 16 THROUGH NOVEMBER 26, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	11/16/91-11/26/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS911283117412.058	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR DATES NOVEMBER 6 THROUGH NOVEMBER 26, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	11/06/91-11/26/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
GS911283117412.059	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN FOR DATES NOVEMBER 26 THROUGH DECEMBER 12, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	11/26/91-12/12/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
GS920183117412.001	EARTHQUAKE DEVELOCORDER FILM OF THE SOUTHERN GREAT BASIN DATED FROM DECEMBER 12, 1991 TO JANUARY 1, 1992 AND JANUARY 9, 1992 TO JANUARY 15, 1992.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	12/12/91-01/01/92 01/09/92-01/15/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
GS920183117412.002	EARTHQUAKE DEVELOCORDER FILM OF THE SOUTHERN GREAT BASIN DATED JANUARY 15 THROUGH JANUARY 29, 1992.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/15/92-01/29/92	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS920283117412.003	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATED JANUARY 29, 1992 THROUGH FEBRUARY 20, 1992.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/29/92-02/20/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920283117412.004	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATED: NOVEMBER 26, 1991 THROUGH JANUARY 31, 1992.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	11/26/91-01/31/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
GS920383117412.005	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATES: JANUARY 24, 1992 THROUGH FEBRUARY 29, 1992.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/24/92-02/29/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
GS920383117412.006	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: APRIL 26 THROUGH MAY 2, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	04/26/91-05/02/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
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 - 29, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	06/11/91-06/13/91 06/27/91-06/29/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P

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GS920383117412.009	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: JULY 1 - 3, 1991.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	07/01/91-07/03/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
GS920383117412.010	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: JANUARY 1 - 9, 1992.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	01/01/92-01/09/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
GS920383117412.011	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: FEBRUARY 20 THROUGH MARCH 17, 1992.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	02/20/92-03/17/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
GS920483117412.012	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN DATED MARCH 17 THROUGH APRIL 12, 1992.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	03/17/92-04/02/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
GS920483117412.013	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES DATED FEBRUARY 29 - MARCH 23, 1992. L1179B - L1183B.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	02/29/92-03/23/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920483117412.014	SEISMICITY AND FOCAL MECHANISMS FOR THE SOUTHERN GREAT BASIN OF NEVADA AND CALIFORNIA.  ACQN/DEVL LOCATION : USGS	02/01/91-07/23/91	METHODS OF ANALYSES ARE FOUND IN PROCEDURES SP-01, SP-04, SP-06, SP-11.	D N C
GS920483117412.015	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR DATES MARCH 23 THROUGH APRIL 17, 1992. NUMBERED L1184B - L1187B.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	03/23/92-04/17/92	SOUTHERN GREAT BASIN SEISMIC NETWORK. PRELIMINARY P-ARRIVALS, S-ARRIVALS AND OTHER MEASUREMENTS WERE MADE USING THE COMPUTER PROGRAM PING.C VERSION 1.003, CID:YMP-USGS/GDD0012.02.	ALL A Y P
GS920483117412.016	SOUTHERN GREAT BASIN EARTHQUAKE DEVELOCORDER FILMS FOR THE DATES APRIL 2 THROUGH APRIL 24, 1992.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	04/03/92-04/24/92	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS920583117412.018	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN DATED APRIL 24, 1992 THROUGH MAY 14, 1992.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	04/24/92-05/14/92	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P
GS920583117412.019	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN DATED MAY 14 THROUGH MAY 28, 1992.  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	05/14/92-05/28/92	SOUTHERN GREAT BASIN SEISMIC NETWORK.	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920683117412.020	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: MAY 28 - JUNE 19, 1992 (33 BOXES)  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	05/28/92-06/19/92	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  ACQN/DEVL LOCATION : USGS	02/01/92-06/01/92	THIS IS EARTHQUAKE DATA FROM 1991 THAT WERE SELECTED OUT FROM TDIFS COVERING A COMBINATION OF 1990-1991 OR 1991-1992 EARTHQUAKE DATA.	D Y P
GS920783117412.022	SEISMICITY AND FOCAL MECHANISMS FOR THE SOUTHERN GREAT BASIN OF NEVADA AND CALIFORNIA IN 1991.  ACQN/DEVL LOCATION : USGS	02/01/92-06/01/92	METHODS OF ANALYSES AND EXTRAPOLATION ARE AS FOUND IN NWM-USGS TECHNICAL PROCEDURES: SP-01, PRELIMINARY EARTHQUAKE LOCATION PROCEDURE; SP-04, PRELIMINARY EARTHQUAKE MAGNITUDE DETERMINATION PROCEDURE; SP-06, PRELIMINARY DETERMINATION OF EARTHQUAKE FOCAL MECHANISM FROM P-WAVE POLARITIES AND SV/P AMPLITUDES; SP-11, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY	D Y P
GS920783117412.023	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES JUNE 25-27, 1992, JUNE 29-JULY 17, 1992  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	06/25/92-07/17/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P

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GS920783117412.024	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATED: 4/15/92 - 6/24/92 NUMBERED:L1188B - L1200B	04/15/92-06/24/92	ALL PRELIMINARY P-ARRIVALS, S-ARRIVALS, AND OTHER MEASUREMENTS WERE MADE USING THE COMPUTER PROGRAM PING.C VERSION 1.003, CID:YMP-USGS/GDD0012.02. THE PHASE ARRIVALS AND OTHER MEASUREMENTS ARE CONTAINED IN THE "PFILES", I.E., THE FILES HAVING NAMES ENDING IN THE LETTER "P".	A Y P
ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN				
GS920783117412.025	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: JUNE 19-25, JUNE 27-29, 1992	06/19/92-06/29/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P
ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN				
GS920883117412.026	SEISMIC AFTERSHOCK RECORDINGS OF THE LITTLE SKULL MOUNTAIN EARTHQUAKE OF JUNE 29, 1992 (M-5.6)	06/30/92-07/14/92	DEPLOYMENT OF PORTABLE SEISMOGRAPHS	A Y P
ACQN/DEVL LOCATION : 36 43.1'N 116 16.35'W AREA 25 NTS AROUND EPICENTER COORDINATES GIVEN				
GS920883117412.027	SEISMIC AFTERSHOCK RECORDINGS OF THE LITTLE SKULL MOUNTAIN EARTHQUAKE OF JUNE 29, 1992 (M-5.6)	06/30/92-07/14/92	DEPLOYMENT OF PORTABLE SEISMOGRAPHS	A Y P
ACQN/DEVL LOCATION : AREA 25 NTS AROUND EPICENTER, 36 43.1'N 116 16.35'W				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920883117412.028	THE LITTLE SKULL MOUNTAIN EARTHQUAKE OF JUNE 29, 1992 - PRELIMINARY REPORT  ACQN/DEVL LOCATION : UNRSL RENO USGS/BGRA	07/17/92-07/22/92	PRELIMINARY INTERPRETATION OF SEISMOLOGICAL DATA.	D Y C
GS920883117412.029	SEISMIC AFTERSHOCK RECORDINGS OF THE LITTLE SKULL MOUNTAIN EARTHQUAKE OF JUNE 29, 1992 (M=5.6)  ACQN/DEVL LOCATION : AREA 25, NTS, AROUND EPICENTER, 36 43.1N 116 16.35W	07/15/92-08/05/92	DEPLOYMENT OF PORTABLE SEISMOGRAPHS	A Y P
GS920883117412.032	SEISMICITY AND FOCAL MECHANISMS FOR THE SOUTHERN GREAT BASIN OF NEVADA AND CALIFORNIA: 1987 THROUGH 1989 BY S.C. HARMSSEN AND C.G.BUFE  ACQN/DEVL LOCATION : USGS/BGRA	01/01/90-02/13/91	FOCAL MECHANISMS FROM THIRTY-ONE SGB EARTHQUAKES ARE PRESENTED IN THIS REPORT. PRELIMINARY HYPOCENTER LISTINGS AND SEISMICITY DATA ANALYSIS FROM DATA COLLECTED BY THE SGBSN FOR THE PERIOD AUGUST 1978 THROUGH DECEMBER 1986 ARE PRESENTED IN ROGERS AND OTHERS (1987) AND HARMSSEN AND ROGERS (1987). THIS REPORT IS AN ADDENDUM/UPDATE TO THOSE REPORTS.	D N P
GS920883117412.033	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: SEPT. 3 - SEPT. 15, 1992  ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	09/03/92-09/15/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E U E D N
GS92.083117412.034	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATED: JULY 1992 - SEPT. 1992, NUMBERED L1218B - L1234B	07/01/92-09/25/92	ALL PRELIMINARY P-ARRIVALS, S-ARRIVALS AND A Y P OTHER MEASUREMENTS WERE MADE USING THE COMPUTER PROGRAM PING.C VERSION 1.003, CID:YMP-USGS/GDD0012.02. THE PHASE ARRIVALS AND OTHER MEASUREMENTS ARE CONTAINED IN THE "P FILES", I.E. THE FILES HAVING NAMES ENDING IN THE LETTER "P".	
ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN				
GS921083117412.035	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES DATED AUG 6, 1992 - SEP 30, 1992. NUMBERED L1217B, L1235B, L1236B, L1217B, L1238B, AND L1239B.	08/06/92-09/30/92	ALL PRELIMINARY P-ARRIVALS, S-ARRIVALS AND A Y P OTHER MEASUREMENTS WERE MADE USING THE COMPUTER PROGRAM PING.C VERSION 1.003, CID: YMP-USGS/GDD0012.02. THE PHASE ARRIVALS AND OTHER MEASUREMENTS ARE CONTAINED IN THE "PFILES", I.E., THE FILES HAVING NAMES ENDING IN THE LETTER "P".	
ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SEISMIC NETWORK				
Activity - 8.3.1.17.4.1.3				
GS930408318512.005	TECTONICS, SEISMICITY, VOLCANISM AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1980 REPORT.	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION AND DEPOSITION STUDIES.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO.				



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930408318512.006	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR, A.M. ROGERS, AND B.M. CROWE -- FY 1982 REPORT.	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS OF TECTONIC, SEISMIC, AND VOLCANIC STUDIES INCLUDING MAPPING, PALEOZOIC STRUCTURE, AND EARTHQUAKE DATA.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
GS930508318512.007	TECTONICS, SEISMICITY, VOLCANISM, AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1979 REPORT.	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION, AND DEPOSITION STUDIES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930508318512.008	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR AND A.M. ROGERS -- FY 1981 REPORT.	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, AND VOLCANIC STUDIES.	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 - 8.3.1.17.4.2				
*SNSAND892099C0.000	SAND89-2099C: "SYNTHESIS OF STUDIES FOR THE POTENTIAL OF FAULT RUPTURE AT THE PROPOSED SURFACE FACILITIES, YUCCA MOUNTAIN, NEVADA"	06/01/88-12/01/89	SYNTHESIS OF EXISTING DATA. (SEE SAND89-2099C FOR A LIST OF REFERENCES).	D N P
ACQN/DEVL LOCATION : SNL				
SNSAND90249100.000	SAND90-2491: "SUMMARY AND EVALUATION OF EXISTING GEOLOGICAL AND GEOPHYSICAL DATA NEAR PROSPECTIVE SURFACE FACILITIES IN MIDWAY VALLEY, YUCCA MOUNTAIN PROJECT, NYE COUNTY, NEVADA"	06/01/89-12/01/90	REVIEW AVAILABLE PUBLISHED AND UNPUBLISHED LITERATURE, MAPS, AND DATA THAT ARE RELEVANT TO EVALUATION OF THE STRATIGRAPHY, STRUCTURE, AND TECTONICS OF THE MIDWAY VALLEY AREA. EMPHASIS WAS PLACED ON : (1) INFORMATION PERTAINING TO THE NATURE AND AGES OF THE QUATERNARY DEPOSITS, SOILS, AND GEOMORPHIC SURFACES; AND (2) THE NATURE AND TIMING OF LATE CENOZOIC FAULTING IN THE REGION.	D N C
ACQN/DEVL LOCATION : SNL				
Activity - 8.3.1.17.4.2.1				
**GS900983117421.001	STRATIGRAPHIC AND VOLCANO-TECTONIC RELATIONS OF CRATER FLAT TUFF AND SOME OLDER VOLCANIC UNITS, NYE COUNTY, NEVADA, BY W.J. CARR, F.M. BYERS, JR., AND PAUL P. ORKILD	01/01/83-01/27/84	USGS STANDARD COLLECTION METHODS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS900983117421.002	PRELIMINARY ANALYSIS OF GEOPHYSICAL LOGS FROM DRILL HOLE UE-25P#1, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY D.C. MULLER AND J.E. KIBLER  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/84-08/20/84	USGS STANDARD COLLECTION METHOD.	D N C
SNF12000000001.000	PRELIMINARY MAPPING OF SURFICIAL GEOLOGY OF MIDWAY VALLEY, YUCCA MOUNTAIN PROJECT, NYE COUNTY, NEVADA  ACQN/DEVL LOCATION : MIDWAY VALLEY, NYE COUNTY, NV	05/01/89-07/31/91	EXPERIMENT PROCEDURE (EP) 0001, REVISION B: GEOLOGIC SURFACE MAPPING NEAR THE PROSPECTIVE SURFACE FACILITIES	A N C
SNF27091592001.001	FRACTURE AND FAULT LOG DESCRIPTIONS FOR DRILL HOLES AT YUCCA MOUNTAIN.  ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY, NV (AREA 25)	11/16/89-09/20/90	VISUAL EXAMINATION OF DRILL HOLE CORES.	A N C
Activity - 8.3.1.17.4.3				
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C

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Activity - 8.3.1.17.4.3.1				
GS900983117431.001	DATA REPORT FOR THE 1985 SEISMIC REFRACTION EXPERIMENT AT YUCCA MOUNTAIN AND VICINITY, SOUTHWESTERN NEVADA, BY VICKIE D. SUTTON.  ACQN/DEVL LOCATION : USGS	02/01/85-12/31/85	USGS STANDARD METHODS.	D N P
GS900983117431.002	RECONNAISSANCE SEISMIC REFRACTION STUDIES AT CALICO HILLS, WAHMONIE, AND YUCCA MOUNTAIN, SOUTHWEST NEVADA TEST SITE, NYE COUNTY, NEVADA, BY LEE PANKRATZ.  ACQN/DEVL LOCATION : USGS	12/01/78-12/31/78 09/01/79-09/30/79 01/01/81-12/31/81	REFRACTION SEISMIC EXPERIMENTS.	D N P
GS900983117431.003	DATA REPORT FOR THE 1983 SEISMIC-REFRACTION EXPERIMENT AT YUCCA MOUNTAIN, BEATTY AND VICINITY, SOUTHWESTERN NEVADA, BY V.D. SUTTON.  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/84-08/02/84	USGS STANDARD METHOD. INCLUDES RECORD SECTIONS FROM THE TEN SHOTPOINTS, A LIST OF SHOTPOINT LOCATIONS AND TIMES, DNDAT DATA FILES AND TAPE GRADE CODE AND A LIST OF FIRST-ARRIVAL TRAVEL TIME PICKS.	D N P
GS910983117431.002	LINEAMENTS STUDIES FOR QUATERNARY AND LATE TERTIARY DEPOSITS.  ACQN/DEVL LOCATION : WALKER LAKE	03/01/87-03/31/87	USGS STANDARD COLLECTION METHOD.	A N C

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GS911283117431.003	REVISION OF AN AEROMAGNETIC SURVEY OF THE LATHROP WELLS AREA, NEVADA, BY V.E. LANGENHEIM, S.F. CARLE, D.A. PONCE, AND J.D. PHILLIPS.	01/01/90-01/28/91	FLIGHTLINE DATA GAPS RESTORED BY LINEAR INTERPOLATION AND ESTIMATED VALUES OF THE RESIDUAL MAGNETIC FIELD. HORIZONTAL POSITIONING RESTORED BY COMPARISON OF PHOTOGRAPHIC FILMSTRIPS WITH ORTHOPHOTO QUADRANGLES.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
GS920883117431.001	AERIAL PHOTOGRAPHIC INTERPRETATION OF LINEAMENTS AND FAULTS IN LATE CENOZOIC DEPOSITS IN THE EASTERN PART OF THE BENTON RANGE 1:100,000 QUADRANGLE AND THE GOLDFIELD, LAST CHANCE RANGE, BEATTY AND DEATH VALLEY JUNCTION 1:100,000 QUADRANGLES, NEVADA AND CALIFORNIA BY MARITH C. REHEIS AND JAY S. NOLLER	01/01/88-05/25/89	THIS REPORT SUMMARIZES THE EXISTING KNOWLEDGE ABOUT THE LINEAMENTS AND FAULTS BASED ON EXTENSIVE AERIAL-PHOTO INTERPRETATION, LIMITED FIELD INVESTIGATIONS, AND PUBLISHED GEOLOGIC MAPS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER				
Activity - 8.3.1.17.4.3.2				
GS900983117432.001	PRELIMINARY REPORT ON LATE CENOZOIC FAULTING AND STRATIGRAPHY IN THE VICINITY OF YUCCA MOUNTAIN, NYE COUNTY, NV, BY WC SWADLEY, D.L. HOOVER, AND J.N. ROSHOLT.	01/01/84-12/31/84	GEOLOGIC MAPPING OF SURFICIAL DEPOSITS AND EXAMINATION OF FAULTS IN NATURAL AND TRENCHED EXPOSURES IN A 1100 SQ.KM. AREA AROUND YUCCA MOUNTAIN RESULTING IN THE IDENTIFICATION OF 32 FAULTS THAT OFFSET OR FRACTURE QUATERNARY DEPOSITS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930208318512.001	NEOTECTONICS AND VOLCANISM AT YUCCA MOUNTAIN AND VICINITY, NEVADA, BY K.F. FOX, JR., AND M.D. CARR.  ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, MENLO PARK, CA	06/28/87-06/28/88	INTERPRETATIONS OF VOLCANISM, FAULTS, AND SEISMICITY IN THE YUCCA MOUNTAIN AREA.	D N P
GS930283117432.002	TECTONIC SETTING OF YUCCA MOUNTAIN, SOUTHWEST NEVADA, BY R.B. SCOTT  ACQN/DEVL LOCATION : USGS, DENVER	01/01/83-06/19/84	INTERPRETATION OF TECTONIC DEVELOPMENT BASED ON DETAILED GEOLOGIC MAPPING AND RELATED INVESTIGATIONS. STANDARD METHODS FOR GEOLOGIC MAPPING AND RELATED STUDIES USED IN COLLECTION OF DATA.	D N P
GS930283117452.001	A FIELD TRIP GUIDE TO THE GEOLOGY OF BARE MOUNTAIN, BY M.D. CARR AND S.A. MONSEN.  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/87-11/18/87	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND INFORMATION AND INTERPRETATIONS OF THE STRATIGRAPHY, STRUCTURAL GEOLOGY, AND FAULT CHARACTERISTICS OF THE BARE MOUNTAIN AREA.	D N P
GS930583117432.003	NEW PERSPECTIVES OF QUATERNARY FAULTING IN THE SOUTHERN WALKER LANE, NEVADA AND CALIFORNIA, BY MARITH C. REHEIS AND JAY S. NOLLER  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/87-11/12/87	DESCRIPTIONS AND INTERPRETATIONS OF AERIAL PHOTOGRAPHS.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930583117432.004	REGIONAL TERMINATION AND SEGMENTATION OF QUATERNARY FAULT BELTS IN THE GREAT BASIN, NEVADA AND UTAH BY P.C. THENHAUS AND T.P. BARNHARD.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-10/12/88	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS.	D N P
GS930583117432.005	GEOLOGIC MAP OF THE QUATERNARY AND TERTIARY DEPOSITS OF THE BIG DUNE QUADRANGLE, NYE COUNTY, NEVADA, AND INYO COUNTY, CALIFORNIA, BY WC SWADLEY AND W.J. CARR  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/83-10/19/83	MAP PREPARED USING AERIAL PHOTOGRAPHS, VISUAL INTERPRETATIONS, AND PREVIOUSLY PUBLISHED MATERIAL.	D N P
GS930583117432.006	GEOLOGIC MAP OF THE SURFICIAL DEPOSITS OF THE JACKASS FLATS QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND D.L. HOOVER  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/87-02/01/88	SURFICIAL GEOLOGIC MAP PREPARED USING AERIAL PHOTOGRAPHS, VISUAL INTERPRETATIONS, AND PREVIOUSLY PUBLISHED MATERIAL.	D N P
GS930583117432.007	SURFICIAL GEOLOGIC MAP OF THE SPECTER RANGE NW QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND H.E. HUCKINS  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/85-02/28/86	SURFICIAL GEOLOGIC MAP PREPARED USING VISUAL INTERPRETATIONS, AERIAL PHOTOGRAPHS, AND PREVIOUSLY PUBLISHED MATERIAL.	D N P

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GS930583117432.008	GEOLOGIC MAP OF THE SURFICIAL DEPOSITS OF THE SKULL MOUNTIAN QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND H.E. HUCKINS.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/87-01/29/88	SURFICIAL GEOLOGIC MAP PREPARED USING VISUAL INTERPRETATIONS, AERIAL PHOTOGRAPHS, AND PREVIOUSLY PUBLISHED MATERIALS.	D N P
GS930583117432.009	LOGS OF TRENCHES ACROSS THE BEATTY SCARP, NYE COUNTY, NEVADA, BY WC SWADLEY, H.E. HUCKINS, AND E.M. TAYLOR.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/85-08/13/85	TRENCHES WERE LOGGED AND STRATIGRAPHY WAS CHARACTERIZED BY VISUAL INTERPRETATIONS, RADIOMETRIC DATING, AND CORRELATION WITH PREVIOUSLY PUBLISHED STRATIGRAPHIC CHARACTERIZATIONS.	D N C
GS930583117432.010	SURFICIAL GEOLOGIC MAP OF THE BARE MOUNTAIN QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND L.D. PARRISH  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/84-03/28/85	GEOLOGIC MAP OF AREA CONSTRUCTED USING AERIAL PHOTOGRAPHS COMBINED WITH PREVIOUSLY PUBLISHED MATERIAL.	D N P
GS930583117432.011	GEOLOGIC MAP OF THE SURFICIAL DEPOSITS OF THE TOPOFAH SPRING QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND D.L. HOOVER  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-07/15/88	SURFICIAL GEOLOGIC MAP PREPARED USING AERIAL PHOTOGRAPHS, VISUAL INTERPRETATIONS, AND PREVIOUSLY PUBLISHED MATERIAL.	D N P



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930708315142.004	GEOLOGIC MAP OF THE SURFICIAL DEPOSITS OF THE YUCCA FLAT AREA, NYE COUNTY, NEVADA BY WC SWADLEY AND D.L. ROOVER.	01/01/89-01/01/90	THIS MAP WAS PREPARED USING AERIAL PHOTOGRAPHS AND LIMITED FIELD OBSERVATIONS. IT COVERS ABOUT 400 SQUARE KILOMETERS AND INCLUDES ALL OR PART OF NINE 7 1/2-MINUTE TOPOGRAPHIC QUADRANGLES. MAPPING WAS CONFINED TO ALLUVIAL AND EOLIAN SURFICIAL DEPOSITS AT A SCALE OF 1:48,000.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930783117432.013	AERIAL PHOTOGRAPHIC INTERPRETATION OF LINEAMENTS AND FAULTS IN LATE CENOZOIC DEPOSITS IN THE EASTERN PARTS OF THE SALINE VALLEY 1:100,000 QUADRANGLE, NEVADA AND CALIFORNIA, AND THE DARWIN HILLS 1:100,000 QUADRANGLE, CALIFORNIA BY MARITH C. REHEIS.	01/01/90-08/30/90	TWO MAPS SUMMARIZE INFORMATION ABOUT LINEAMENTS AND FAULTS BASED ON EXTENSIVE AERIAL-PHOTO INTERPRETATIONS, LIMITED FIELD INVESTIGATIONS, AND PREVIOUSLY PUBLISHED GEOLOGIC MAPS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - B.3.1.17.4.3.4				
GS930583117434.001	STOP 6: NORTHERN BARE MOUNTAIN, FLUOROSPAR CANYON, BY M.D. CARR	01/01/88-04/18/89	AUTHOR'S SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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Activity - 8.3.1.17.4.3.5

**GS900983117435.001	REGIONAL STRUCTURAL SETTING OF YUCCA MOUNTAIN, SOUTHWESTERN NEVADA, AND LATE CENOZOIC RATES OF TECTONIC ACTIVITY IN PART OF THE SOUTHWESTERN GREAT BASIN, NEVADA AND CALIFORNIA, BY W.J. CARR	01/01/83-01/01/84	USGS STANDARD COLLECTION METHODS.	D N C
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ACQN/DEVL LOCATION : USGS, DENVER, CO

Activity - 8.3.1.17.4.4

**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
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ACQN/DEVL LOCATION : USGS, MENLO PARK, CA

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.4.1				
**GS900983117441.001	GEOLOGY OF FAULTS EXPOSED IN TRENCHES IN CRATER FLAT, NYE COUNTY, NEVADA, BY W C SWADLEY AND D.L. HOOVER	01/01/82-07/14/83	USGS STANDARD COLLECTION METHODS.	D N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS910983117441.002	FIELD NOTES AND ACCOMPANYING LOCALITY MAPS OR AIRPHOTOS COLLECTED DURING PRE STOP WORK ACTIVITIES, OR DURING FIELD TRIPS, DATA REVIEWS, OR RECONNAISSANCE TRIPS TO THE YUCCA MOUNTAIN AREA, FROM LATE 1983 TO PRESENT.	10/01/83-09/17/91	USGS STANDARD COLLECTION METHODS.	A N P
	ACQN/DEVL LOCATION : YUCCA MTN AREA			
GS910983117441.003	ORIGINAL FIELD SHEETS AT A SCALE OF APPROXIMATELY 1:20 OF THE TRENCH LOGS FOR A FAULT TRENCH LOCATED AT THE NORTH END OF THE ROCK VALLEY FAULT, SOUTH OF FRENCHMAN FLAT.	01/01/84-12/31/84	USGS STANDARD COLLECTION METHODS.	A N P
	ACQN/DEVL LOCATION : ROCK VALLEY			
GS910983117441.004	TRAVEL-TIME PLOTS AND DETAILED LOCALITY MAPS FOR EACH OF THE LINES RELATED TO APPROXIMATELY 40 SHALLOW SEISMIC REFRACTION PROFILES (SLEDGE-HAMMER SOURCE) THAT WERE COLLECTED FROM THE ROCK VALLEY, 40 MILE WASH, WINDY WASH, AND BEATTY AREAS TO LOOK FOR SUBSURFACE EVIDENCE OF FAULTING ACROSS SUSPECTED FAULT ZONES.	01/01/85-12/31/86	USGS STANDARD COLLECTION METHOD	A N P
	ACQN/DEVL LOCATION : 40 MILE WASH BEATTY ROCK VALLEY WINDY WASH			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930383117441.001	INTERIM REPORT: A RECONNAISSANCE STUDY OF STRIKE-SLIP FAULTING NEAR YUCCA MOUNTAIN, NEVADA, BY D.W. O'LEARY	01/01/92-09/30/92	THOROUGH EVALUATION OF THE FAULT ZONES BASED ON NUMEROUS DETAILED FIELD OBSERVATIONS AND REVIEW OF PUBLISHED DATA OF LOCAL AND REGIONAL SCALE.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930583117441.002	TRENCH LOGS FROM A STRAND OF THE ROCK VALLEY FAULT SYSTEM, NEVADA TEST SITE, NYE COUNTY, NEVADA, BY J.C. YOUNT, R.R. SHROBA, C.R. MCMASTERS, H.E. HUCKINS, AND E.A. RODRIGUEZ.	01/01/84-03/21/85	INTERPRETATION OF THE NATURE, AMOUNTS, AND AGES OF FAULTING IN TRENCHES RV-1 AND RV-2 USING SEPARATION FACTORS AND CLAST FABRIC ANALYSES. AGES OF LITHOLOGIC UNITS BY URANIUM-TREND DATING. SOIL PROPERTIES USING BIRKELAND METHODS (1984) AND PRESENTED IN TABULAR FORM. LONG-AXIS FABRIC DATA ANALYZED BY EIGENVALUE AND EIGENVECTOR TECHNIQUES. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.17.4.5.1				
GS930283117451.001	ISOSTATIC UPLIFT, CRUSTAL ATTENUATION, AND THE EVOLUTION OF AN EXTENSIONAL DETACHMENT SYSTEM IN SOUTHWESTERN NEVADA, BY R.B. SCOTT	01/01/87-01/29/88	INTERPRETATIONS OF A REGIONAL DETACHMENT SYSTEM IN SOUTHWESTERN 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 - 8.3.1.17.4.5.2				
GS930283117452.001	A FIELD TRIP GUIDE TO THE GEOLOGY OF BARE MOUNTAIN, BY M.D. CARR AND S.A. MONSEN.	01/01/87-11/18/87	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND INFORMATION AND INTERPRETATIONS OF THE STRATIGRAPHY, STRUCTURAL GEOLOGY, AND FAULT CHARACTERISTICS OF THE BARE MOUNTAIN AREA.	D N P
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
GS930483117452.002	DETACHMENT FAULTING IN THE DEATH VALLEY REGION, CALIFORNIA AND NEVADA, BY WARREN HAMILTON.	01/01/85-02/12/86	GENERAL STRUCTURAL STYLE INFERRED FROM FIVE SEISMIC REFLECTION PROFILES RECORDED BY VIBROSEIS BY CONTINENTAL REFLECTION PROFILING OF CORNELL UNIVERSITY.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930583117452.003	STRUCTURAL GEOLOGY OF THE UPPER PLATE OF THE BULLFROG HILLS DETACHMENT FAULT SYSTEM, SOUTHERN NEVADA, BY FLORIAN MALDONADO	01/01/87-12/13/88	SUMMARIES AND INTERPRETATIONS OF OTHER WORKS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930583117452.004	STOP 5: DETACHMENT FAULTING AND MINERALIZATION AT BULLFROG MOUNTAIN, BULLFROG HILLS AREA, BY FLORIAN MALDONADO	01/01/88-04/18/89	AUTHORS' VISUAL DESCRIPTIONS, INTERPRETATIONS AND SUMMARIES OF PREVIOUSLY PUBLISHED REPORTS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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Activity - 8.3.1.17.4.6

**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				

Activity - 8.3.1.17.4.6.1

**GS900983117461.001	PRELIMINARY STUDY OF QUATERNARY FAULTING ON THE EAST SIDE OF BARE MOUNTAIN, NYE COUNTY, NEVADA BY MARITH C. REHEIS.	06/01/85-06/30/85	USGS STANDARD COLLECTION METHODS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS920783117461.001	FIELD MEASUREMENTS AND OBSERVATIONS AND STRUCTURAL INTERPRETATIONS FROM AERIAL PHOTOGRAPHS OF THE YUCCA MOUNTAIN AREA.	03/12/91-05/10/91	GP-01, GEOLOGIC MAPPING	A Y P
ACQN/DEVL LOCATION : 36 44'N 116 31'W ;36 55' 10"N 116 23'W				
GS920783117461.002	PHOTOGEOLOGIC AND KINEMATIC ANALYSIS OF LINEAMENTS AT YUCCA MOUNTAIN, NEVADA: IMPLICATIONS FOR STRIKE-SLIP FAULTING AND OROCLINAL BENDING, BY J.M. O'NEILL, J.W. WHITNEY, & M.R. HUDSON.	03/19/91-12/13/91	PHOTOGEOLOGIC AND KINEMATIC ANALYSIS	D Y P
ACQN/DEVL LOCATION : USGS, DENVER				

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GS930283117461.001	PRELIMINARY GEOLOGIC MAP OF YUCCA MOUNTAIN, NYE COUNTY, NEVADA, WITH GEOLOGIC SECTIONS, SCALE 1:12,000, BY R.B. SCOTT AND J. BONK.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-12/31/89	DETAILED GEOLOGIC MAP AND STRUCTURE SECTIONS BASED ON STANDARD USGS GEOLOGIC MAPPING PROCEDURES.	D N P
GS930283117461.002	GEOLOGY OF DRILL HOLE UE25P#1 (UE-25P #1): A TEST HOLE INTO PRE-TERTIARY ROCKS NEAR YUCCA MOUNTAIN, SOUTHERN NEVADA, BY M.D. CARR, S.J. WADDELL, G.S. VICK, J.M. STOCK, S.A. MONSEN, A.G. HARRIS, B.W. CORK, AND F.M. BYERS, JR.  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	05/24/83-03/12/86	INTERPRETATIONS OF THE PRE-CENOZOIC STRATIGRAPHY AND CORRELATION WITH A SILURIAN SECTION AT BARE MTN., CENOZOIC STRATIGRAPHY AND PETROGRAPHY, STRUCTURAL GEOLOGY, LITHOLOGIC LOG, CONODONT FAUNAS, AND DESCRIPTION OF THIN SECTIONS FROM THE PALEOZOIC SECTION.	D N P
GS930408318512.005	TECTONICS, SEISMICITY, VOLCANISM AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1980 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION AND DEPOSITION STUDIES.	D N P
GS930408318512.006	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR, A.M. ROGERS, AND B.M. CROWE -- FY 1982 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS OF TECTONIC, SEISMIC, AND VOLCANIC STUDIES INCLUDING MAPPING, PALEOZOIC STRUCTURE, AND EARTHQUAKE DATA.	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F T Y P E D
GS930508318512.007	TECTONICS, SEISMICITY, VOLCANISM, AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1979 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION, AND DEPOSITION STUDIES.	D N P
GS930508318512.008	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR AND A.M. ROGERS -- FY 1981 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, AND VOLCANIC STUDIES.	D N P
Activity - 8.3.1.17.4.6.2				
GS920883117462.001	K.S. KELLOGG'S FIELD NOTES CONCERNING DEATH VALLEY AND FURNACE CREEK FAULTS.  ACQN/DEVL LOCATION : 35 00'N 119 00'W ;38 00'N 116 00'W	01/01/69-03/31/89	FIELD NOTES AND WORK PERFORMED TO STANDARD USGS PROCEDURES	A N C
GS920983117462.002	LATE QUATERNARY FAULTING ALONG THE DEATH VALLEY-FURNACE CREEK FAULT SYSTEM, CALIFORNIA AND NEVADA BY GEORGE E. BROGAN, KARL S. KELLOGG, D. BURTON SLEMMONS, AND CHRISTINA L. TERHUNE. MAP SCALE 1:62,500.  ACQN/DEVL LOCATION : USGS, DENVER USGS, MENLO PARK	03/01/89-04/15/91	VERIFICATION, REVISION, AND CONDENSATION OF TEXT AND MAP BASED ON AERIAL PHOTOGRAPHS AND FIELD NOTES. COMPARISON OF SCARP HEIGHTS, HORIZONTAL OFFSET OF STREAM CHANNELS AND AGES OF GEOMORPHIC SURFACES.	D N P



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GS930283117462.001	PRELIMINARY TRENCH LOGS FOR TRENCHES T8 AND T8A ON SOLITARIO CANYON FAULT ZONE  ACQN/DEVL LOCATION : N749620(N) E555420(N)	10/01/92-10/31/92 02/01/93-02/28/93	TECHNICAL PROCEDURE GP-07,R1- CONVENTIONAL GEOLOGIC MAPPING OF TRENCH WALLS	A Y I
GS930483117462.002	PRELIMINARY TRENCH LOG AND ACCOMPANYING LITHOLOGIC AND STRUCTURAL DESCRIPTIONS FOR INNER WALL, NORTH BRANCH, OF TRENCH 14D; PREPARED BY C. MENGES, R. CRESS, AND G. VADURRO. THIS LOG PREPARED FOR THE INNER (SOUTHERN) WALL OF THE NORTH BRANCH OF THE BOX PORTION OF MODIFIED TRENCH 14D.  ACQN/DEVL LOCATION : TRENCH 14	07/09/92-03/26/93	TECHNICAL PROCEDURE NWM-USGS GP-07,R1, CONVENTIONAL GEOLOGIC MAPPING OF TRENCH WALLS.	A Y P
Activity - 0.3.1.17.4.7				
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C

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Activity - 8.3.1.17.4.7.1				
**GS900983117471.001	AN EVALUATION OF SEISMIC REFLECTION STUDIES IN THE YUCCA MOUNTAIN AREA, NEVADA TEST SITE, BY T.F. MCGOVERN WITH AN INTRODUCTION BY L.W. PANKRATZ AND H.D. ACKERMANN.	01/01/82-01/01/83	MULTIFOLD CDP RECORDINGS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS910683117471.002	PRIMARY FIELD DATA FOR TELESEISMIC TOMOGRAPHY OF THE YUCCA MOUNTAIN AREA AND SOUTHERN NEVADA.	01/01/82-12/31/82	TELESEISMIC P-RESIDUAL STUDY OF THE TECTONIC ENVIRONMENT AS DESCRIBED IN SP-07, R0.	A N C
ACQN/DEVL LOCATION :				
#1 JACKASS FLATS				
#2 YUCCA MOUNTAIN EAST				
#3 YUCCA MOUNTAIN WEST				
#4 BUFFER				
#5 CAVE				
#6 THOMPSON MINE				
#7 YUCCA MTN				
#8 YUCCA MTN				
#9 SAND BOX				
#A YUCCA MTN				
#B YUCCA MTN				
#C YUCCA MTN				
#D CALICO HILLS FAN				
#E THE PROWE				
#F WASHINGTON MOUNTAIN				
#G PINYON PASS				
#H BEATTY WASH				
#I 40 MILE CANYON				
#J BUGGY				
#K TIMBER MOUNTAIN				
PANAMA MINE SITE				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS911083117471.003	PRINCIPAL DIGITAL SEISMOGRAM DATA SET. UNIX 9-TRACK "TAR" TAPES OF UN FORMAT (PDP 11/70) DIGITAL SEISMOGRAMS AND ASCII PICK FILES FOR PROCESSED, MERGED TELESEISMS.	04/01/82-06/30/82	TELESEISMIC P-RESIDUAL STUDY OF THE TECTONIC ENVIRONMENT AS DESCRIBED IN NNM USGS SP-07, R0. DIGITAL SEISMIC DATA FROM 3 SOURCES -- SGB NETWORK (DIGITIZED FROM ANALOGUE TELEMETRY), DR-100 (SPRENGNETHEP) DIGITAL SEISMOGRAMS, AND "USGS 5-DAY RECORDERS" DIGITIZED UPON PLAYBACK OF ANALOGUE FIELD TAPE.	A N C
ACQN/DEVL LOCATION : MENLO PARK LABS, USGS SOUTHERN GREAT BASIN SEISMIC NETWORK				
GS911083117471.004	"WAT" PROGRAM HARD COPY DOCUMENTING PICK LOCATIONS AND QUALITY IN EVERY SEISMOGRAM USED FOR FINAL DATA SET OF 1982.	04/01/82-06/30/82	TELESEISMIC P-RESIDUAL STUDY OF THE TECTONIC ENVIRONMENT AS DESCRIBED IN NNM USGS SP-07.	A N C
ACQN/DEVL LOCATION : MENLO PARK LABS, USGS				
GS911083117471.005	PRE-1982 TELESEISMIC DATA SET. THESE DATA SUPPORT TELESEISMIC TOMOGRAPHY OF THE YUCCA MOUNTAIN AREA WITH A DENSE ARRAY WITHIN @ 15KM. OF YUCCA MTN. AND A COARSER REGIONAL ARRAY.	01/01/80-12/31/81	TELESEISMIC P-RESIDUAL STUDY OF THE TECTONIC ENVIRONMENT.	A N C
ACQN/DEVL LOCATION : MENLO PARK LABS, USGS.				
GS911083117471.006	1982 PORTABLE SEISMOGRAPH OPERATION FIELD NOTES, WITH ADDITIONAL GENERAL NOTES. THESE DATA SUPPORT TELESEISMIC TOMOGRAPHY OF THE YUCCA MOUNTAIN AREA WITH A DENSE ARRAY WITHIN 15 KM OF YUCCA MOUNTAIN AND A COARSER REGIONAL ARRAY.	04/01/82-06/30/82	TELESEISMIC P-RESIDUAL STUDY OF THE TECTONIC ENVIRONMENT AS DESCRIBED IN NNM USGS SP-07, R0.	A N C
ACQN/DEVL LOCATION : MENLO PARK LABS, USGS.				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS911083117471.007	"DISTAZRES" PROGRAM (SOFTWARE) INPUT AND OUTPUT - CALCULATION OF RELATIVE RESIDUALS. ALSO, STATISTICS AND DEBUGGING OF THESE DATA ("RSTATS" AND "RST" SOFTWARE OUTPUTS) AND DR-100 CLOCK CALIBRATION DATA AND COMPUTATIONS.  ACQN/DEVL LOCATION : MENLO PARK LABS, USGS.	04/01/82-06/30/82	TELESEISMIC P-RESIDUAL STUDY OF THE TECTONIC ENVIRONMENT AS DESCRIBED IN NWM-USGS-SP-07, RO.	A N C
GS911083117471.008	CORE DATA SET. FIELD STATION LOCATION MAPS; SMOKE DRUM MONITORS OF PORTABLE DEPLOYMENT; SUN 3/50 "TAR" TAPES OF CRITICAL DATA, LESS SEISMOGRAMS, AND INVERSION RESULTS; QUALITY DEMONSTRATIONS; COLOR PLOTS OF INVERSION RESULTS; AND HARD COPY OF INVERSION RESULTS. THESE DATA SUPPORT TELESEISMIC TOMOGRAPHY OF THE YUCCA MOUNTAIN AREA WITH A DENSE ARRAY WITHIN 15 KM OF YUCCA MOUNTAIN AND A COARSER ARRAY.  ACQN/DEVL LOCATION : MENLO PARK LABS, USGS	04/01/82-06/30/82	TELESEISMIC P-RESIDUAL STUDY OF THE TECTONIC ENVIRONMENT AS DESCRIBED IN NWM-USGS-SP-07, RO.	A N C
GS920183117471.001	TELESEISMIC TOMOGRAPHY OF THE YUCCA MOUNTAIN REGION; VOLCANICS AND TECTONISM, BY JOHN R. EVANS AND MOSES SMITH III  ACQN/DEVL LOCATION : USGS, MENLO PARK	01/01/81-12/31/91	NWM USGS SP-07 GEOPHYSICS: TELESEISMIC P-RESIDUAL STUDY OF THE TECTONIC ENVIRONMENT.	D N C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920283117471.002	VIBROSEIS AND EXPLOSIVE SOURCE SEISMIC REFLECTION DATA.  ACQN/DEVL LOCATION : T16S R49-52E	01/03/88-01/24/88	NWM-USGS-SP-10, RO	A N P
**GS920283117471.003	FEASIBILITY STUDY OF THE SEISMIC REFLECTION METHOD IN THE AMARGOSA DESERT, NYE COUNTY, NEVADA, BY T.M. BUCHER, P.E. HART, AND S.F. CARLE  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/28/88-02/10/89	ANALYTICAL AND INTERPRETIVE METHODS BASED ON THE AUTHORS' COMBINED EDUCATION AND WORK EXPERIENCES WERE USED TO DEVELOP THIS REPORT.	D M P
GS920283117471.004	COMPARISON OF VIBROSEIS AND EXPLOSIVE SOURCE METHODS FOR DEEP CRUSTAL SEISMIC REFLECTION PROFILING IN THE BASIN AND RANGE PROVINCE.  ACQN/DEVL LOCATION : USGS	06/06/89-06/21/91	ANALYTICAL AND INTERPRETIVE METHODS BASED ON THE AUTHORS' COMBINED EDUCATION AND WORK EXPERIENCES WERE USED TO DEVELOP THIS ARTICLE	D Y F
GS920283117471.005	SEISMIC REFLECTION PROFILING ACROSS TERTIARY EXTENSIONAL STRUCTURES IN THE EASTERN AMARGOSA DESERT, SOUTHERN NEVADA BASIN AND RANGE PROVINCE, USA, BY T.H. BROCHER, M.D. CARR, K.F. FOX, JR. AND P.E. HART  ACQN/DEVL LOCATION : USGS, MENLO PARK	09/22/89-05/14/92	ANALYSIS AND INTERPRETATION OF SEISMIC REFLECTION DATA. METHODS BASED ON THE AUTHORS' COMBINED EDUCATION AND WORK EXPERIENCE.	D M P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
USGS0683117471.001	COMPLETE BOUGUER GRAVITY MAP OF THE NEVADA TEST SITE AND VICINITY, NEVADA, BY D.L. HEALEY, R.N. HARRIS, D.A. PONCE AND H.W. OLIVER.	01/01/87-08/21/87	MAP PRODUCED USING METHODS, CALIBRATIONS, AND CALCULATIONS OF HARRIS AND OTHERS, 1989, USGS OFR 89-628A AND -628B. FREE-AIR GRAVITY ANOMOLY CALCULATIONS BASED ON GEODETIC REFERENCE SYSTEM 1961 FORMULA AND SWICK'S FORMULA, 1942. PENDULUM GRAVITY MEASUREMENTS AND ISOSTATIC REDUCTION. TERRAIN CORRECTIONS BASED ON PROCEDURE OF PLAUFF, 1977, USGS OFR 77-535. COMPLETE BIBLIOGRAPHIC CITATIONS ARE IN REPORT.	D N P

ACQN/DEVL LOCATION : USGS, MENLO PARK, CA

Activity - 8.3.1.17.4.7.2

**GS900983117472.001	CHARLESTON PEAK GRAVITY CALIBRATION LOOP, NEVADA, BY D.A. PONCE AND H.W. OLIVER	01/01/81-07/17/81	USGS STANDARD COLLECTION METHODS. A NEW GRAVITY CALIBRATION LOOP HAS BEEN ESTABLISHED IN SOUTHERN NEVADA IN SUPPORT OF USGS RESPONSIBILITY TO NNWSI. THE PURPOSE OF THE LOOP IS TO PROVIDE ACCURATELY KNOWN OBSERVED GRAVITY VALUES OVER THE GRAVITY RANGE FOUND IN SOUTHERN NEVADA, TO PERIODICALLY TEST THE PERFORMANCE OF THE GRAVITY METERS, AND TO CHECK OR ADJUST THEIR CALIBRATION FACTORS.	D N C
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ACQN/DEVL LOCATION : USGS, MENLO PARK, CA

**GS900983117472.002	PRELIMINARY RESULTS OF GRAVITY INVESTIGATIONS OF THE CALICO HILLS, NEVADA TEST SITE, NYE COUNTY, NEVADA, BY D.B. SNYDER AND H.W. OLIVER	01/01/80-01/01/81	USGS STANDARD COLLECTION METHODS. A TOTAL OF 211 RECENTLY ESTABLISHED GRAVITY STATIONS SUPPLEMENT 128 EXISTING STATIONS IN PROVIDING DATA FOR A DETAILED GRAVITY INTERPRETATION OF THE CALICO HILLS AREA OF THE NEVADA TEST SITE.	D N C
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ACQN/DEVL LOCATION : USGS, MENLO PARK, CA

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS900983117472.003	PRELIMINARY RESULTS OF GRAVITY INVESTIGATIONS AT YUCCA MOUNTAIN, AND VICINITY, SOUTHERN NYE COUNTY, NEVADA, BY D.B. SNYDER AND W.J. CARR	01/01/80-01/01/81	USGS STANDARD COLLECTION METHODS. EXPLORATION FOR A NUCLEAR WASTE REPOSITORY RESULTED IN THE ADDITION OF 423 NEW GRAVITY STATIONS TO THE 934 EXISTING STATIONS TO FORM THE DATA BASE FOR THIS STUDY.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
**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	01/01/82-10/22/82	USGS STANDARD COLLECTION METHODS.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
**GS900983117472.005	A PRELIMINARY ANALYSIS OF GRAVITY AND AEROMAGNETIC SURVEYS OF THE TIMBER MOUNTAIN AREA, SOUTHERN NEVADA, BY M.F. KANE, M.W. WEBRING, AND B.K. BHATTACHARYYA	01/01/81-12/31/81	USGS STANDARD METHODS AND LIBRARY RESEARCH. 1977-1978 GRAVITY AND AEROMAGNETIC SURVEYS OF THE TIMBER MOUNTAIN REGION, SOUTHERN NEVADA, HAVE REVEALED NEW DETAILS OF SUBSURFACE STRUCTURE AND LITHOLOGY. THE DATA SHOWS DEFORMATION CAUSED BY VOLCANIC EVENTS, ROCK UNITS MAY HAVE BEEN ALTERED AND THAT PART OF SILENT CANYON CALDERA MAY UNDERLIE MUCH OF TIMBER MOUNTAIN.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
GS930203117472.001	INTERPRETATION OF GRAVITY DATA IN A COMPLEX VOLCANO-TECTONIC SETTING, SOUTHWESTERN NEVADA, BY D.B. SNYDER AND M.J. CARR.	01/01/83-06/17/83	SUMMARIES AND INTERPRETATIONS BY THE PI OF D N P PREVIOUSLY PUBLISHED DATA AND INFORMATION INCLUDING: GEOLOGY, STRATIGRAPHY, ROCK DENSITIES (USING GAMMA-GAMMA DENSITY LOGS AND BOREHOLE GRAVITY MEASUREMENTS), STRUCTURE, VOLCANO-TECTONIC HISTORY, GRAVITY DATA (BOUGUER ANOMALIES REDUCED BY R.W. SALTUS METHOD), AND GRAVITY FIELDS.
	ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, MENLO PARK, CA		
**GS930303117472.002	GRAVITY DATA FOR THE STATE OF NEVADA ON MAGNETIC TAPE, BY R.W. SALTUS.	01/01/88-06/07/88	THIS REPORT IS BASED UPON A COMPILATION OF D N P DATA NOT ACQUIRED BY THE IMP. THE FIRST 18 FILES OF THE TAPE CONTAIN PRINCIPAL FACTS FOR INDIVIDUAL DATA POINTS. EACH DATA RECORD CONTAINS GEOGRAPHIC POSITION, OBSERVED GRAVITY, TERRAIN CORRECTION, BOUGUER GRAVITY ANOMALY, AND ISOSTATIC RESIDUAL ANOMALY.
	ACQN/DEVL LOCATION : USGS, DENVER, CO		
GS930403117472.003	PRELIMINARY INTERPRETATION OF SEISMIC-REFRACTION AND GRAVITY STUDIES WEST OF YUCCA MOUNTAIN, NEVADA AND CALIFORNIA, BY H.D. ACKERMAN, M.D. MOONEY, D.B. SNYDER, AND V.D. SUTTON.	01/01/85-10/21/85	SUMMARIES AND GEOLOGIC INTERPRETATIONS OF D N P SEISMIC REFRACTION DATA. SEISMIC REFRACTION DATA PROCESSES BY DIRECT COMPUTER INVERSION OF THE DATA METHOD, ACKERMAN AND OTHERS, 1982. A COMPREHENSIVE SYSTEM FOR INTERPRETING SEISMIC REFRACTION ARRIVAL-TIME DATA USING INTERACTIVE COMPUTER METHODS, USGS OFR 87-1065.
	ACQN/DEVL LOCATION : USGS, DENVER, CO		



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQ/DEVL PERIOD	ACQ/DEVL METHOD	
35930583117472.004	HIGH-PRECISION GRAVITY NETWORK TO MONITOR TEMPORAL VARIATIONS IN GRAVITY ACROSS YUCCA MOUNTAIN, NEVADA, BY R.N. HARRIS AND D.A. PONCE.	01/01/87-03/15/88	ANALYSIS OF HIGH-PRECISION GRAVITY DATA TAKEN 4/83, 11/83, 4/84. DEVELOPMENT INCLUDES: 1) UNIT CONVERSION USING FACTORY CALIBRATION TABLES AND CORRECTION FACTORS 2) EARTH-TIDE CORRECTIONS BASED UPON LONGMAN, I.M., 1959, FORMULAS FOR COMPUTING THE TIDAL ACCELERATIONS DUE TO THE MOON AND SUN: JOURNAL OF GEOPHYSICAL RESEARCH, V.64 3) CORRECTIONS FOR ABOUT "TARE" CHANGES 4) LEAST SQUARES. TEXT DETAILS GRAVITY METER CALIBRATION AND SURVEY PROCEDURE METHODS.	D N P
ACQ/DEVL LOCATION : USGS, MENLO PARK, CA				
35930583117472.005	GRAVITY AND MAGNETIC EVIDENCE FOR A GRANITIC INTRUSION NEAR WAHMONIE SITE, NEVADA TEST SITE, NEVADA, BY DAVID A. PONCE	01/01/83-06/10/83	TWO DIMENSIONAL GRAVITY MODEL CONSTRUCTED USING MAGNETIC, SEISMIC, AND ELECTRIC DATA.	D N P
ACQ/DEVL LOCATION : USGS, MENLO PARK, CA				
35930583117472.006	REGIONAL GEOLOGICAL AND GEOPHYSICAL MAPS OF THE SOUTHERN GREAT BASIN BY T.G. HILDENBRAND, A.M. ROGERS, R.W. OLIVER, S.C. HARMSEN, J.K. NAKATA, D.S. AITKEN, R.N. HARRIS, AND M.D. CARR.	01/01/87-01/01/88	REPORT CONTAINS A COLLECTION OF MAPS DEVELOPED BY USING PREVIOUSLY PUBLISHED DATA. THE MAPS PRESENT AN OVERVIEW OF THE GENERAL GRAVITY, AEROMAGNETIC, AND TERRAIN FEATURES. TEXT DISCUSSES REDUCTION PROCESSES, ASSUMPTIONS, AND APPLIED EQUATIONS WHERE APPLICABLE.	D N P
ACQ/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930783117472.007	COMPLETE BOUGUER GRAVITY MAP OF THE TONOPAH 1 X 2 QUADRANGLE, NEVADA, BY D.L. HEALEY, R.R. MARL, AND F.E. CURREY.	01/01/79-01/01/80	A COMPILATION OF 1,346 GRAVITY STATIONS THAT WERE MACHINE CONTOURED USING "CONTOUR" (EVENDEN, 1975) AT A SCALE OF 1:250,000. DATA ARE REDUCED BY STANDARD REDUCTION PROCEDURES (NETTLETON, 1976). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D M P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
*GS930783117472.008	GRAVITY ANOMALY MAPS OF NEVADA. BOUGUER GRAVITY ANOMALY MAP OF NEVADA AND REGIONAL, RESIDUAL, AND DERIVATIVE GRAVITY MAPS OF NEVADA, BY R.W. SALTUS.	01/01/85-10/15/85	BOUGUER GRAVITY ANOMALIES COMPUTED USING 1967 GEODETIC REFERENCE SYSTEM FORMULA FOR THEORETICAL GRAVITY AT SEA LEVEL AS IMPLEMENTED ON A DIGITAL COMPUTER (CORDELL AND OTHERS, 1982). DATA CORRECTIONS INCLUDE 1) TERRAIN CORRECTIONS USING A DIGITAL TERRAIN MODEL, HAND CALCULATED, OR COMPUTER APPROXIMATION, 2) CURVATURE CORRECTIONS. ISOSTATIC RESIDUAL MAP PRODUCED BY SUBTRACTION OF INTERPOLATED VALUES OF COMPENSATING ROOTS FROM VALUES OF BOUGUER ANOMALIES. VERTICAL DERIVATIVE MAP PRODUCED BY CALCULATING THE FIRST VERTICAL DERIVATIVE FROM THE BOUGUER GRAVITY GRID USING A FOURIER TRANSFORM ALGORITHM (MILDEBRAND, 1983). HORIZONTAL DERIVATIVE MAP PRODUCED BY CALCULATING THE MAGNITUDE OF THE HORIZONTAL GRADIENT (R.W. SIMPSON, 1983). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D M P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.7.3				
**GS900983117472.005	A PRELIMINARY ANALYSIS OF GRAVITY AND AEROMAGNETIC SURVEYS OF THE TIMBER MOUNTAIN AREA, SOUTHERN NEVADA, BY M.F. KANE, M.W. WEBRING, AND B.K. BHATTACHARYYA	01/01/81-12/31/81	USGS STANDARD METHODS AND LIBRARY RESEARCH. 1977-1978 GRAVITY AND AEROMAGNETIC SURVEYS OF THE TIMBER MOUNTAIN REGION, SOUTHERN NEVADA, HAVE REVEALED NEW DETAILS OF SUBSURFACE STRUCTURE AND LITHOLOGY. THE DATA SHOWS DEFORMATION CAUSED BY VOLCANIC EVENTS, ROCK UNITS MAY HAVE BEEN ALTERED AND THAT PART OF SILENT CANYON CALDERA MAY UNDERLIE MUCH OF TIMBER MOUNTAIN.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
**GS900983117473.001	INVESTIGATION OF AN AEROMAGNETIC ANOMALY ON WEST SIDE OF YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY G.D. BATH AND C.E. JAHREN	01/01/84-07/05/85	USGS STANDARD COLLECTION METHODS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930583117472.005	GRAVITY AND MAGNETIC EVIDENCE FOR A GRANITIC INTRUSION NEAR WARMONIE SITE, NEVADA TEST SITE, NEVADA, BY DAVID A. PONCE	01/01/83-06/10/83	TWO DIMENSIONAL GRAVITY MODEL CONSTRUCTED USING MAGNETIC, SEISMIC, AND ELECTRIC DATA.	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	
GS930583117472.006	REGIONAL GEOLOGICAL AND GEOPHYSICAL MAPS OF THE SOUTHERN GREAT BASIN BY T.G. HILDENBRAND, A.M. ROGERS, H.W. OLIVER, S.C. HARMSSEN, J.K. NAKATA, D.S. AITKEN, R.N. HARRIS, AND M.D. CARR.	01/01/87-01/01/88	REPORT CONTAINS A COLLECTION OF MAPS DEVELOPED BY USING PREVIOUSLY PUBLISHED DATA. THE MAPS PRESENT AN OVERVIEW OF THE GENERAL GRAVITY, AEROMAGNETIC, AND TERRAIN FEATURES. TEXT DISCUSSES REDUCTION PROCESSES, ASSUMPTIONS, AND APPLIED EQUATIONS WHERE APPLICABLE.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930583117473.004	AEROMAGNETIC MAP OF NEVADA, LAS VEGAS SHEET, BY R.W. SALTUS AND D.A. PONCE	01/01/87-12/02/87	MAP WAS PREPARED USING PREVIOUSLY PUBLISHED MATERIALS.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
*GS930783117473.002	AEROMAGNETIC MAP OF PART OF THE LAS VEGAS 1 X 2 QUADRANGLE, NEVADA, BY PATRICIA L. HILL.	01/01/82-01/01/83	CONTOUR MAP OF THE REDUCED RESIDUAL MAGNETIC FIELD DATA AT A SCALE OF 1:62,500.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930783117473.004	AEROMAGNETIC MAP OF THE YUCCA MOUNTAIN AREA, NEVADA, BY PATRICIA L. HILL.	01/01/83-01/01/84	REDUCED RESIDUAL MAGNETIC DATA ARE PRESENTED AS A CONTOURED MAP AT A SCALE OF 1:62,500.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930783117473.005	AEROMAGNETIC MAP OF YUCCA MOUNTAIN AND SURROUNDING REGIONS, SOUTHWEST NEVADA BY M.F. KANE AND R.E. BRACKEN.	01/01/82-01/01/83	MAP COMPILED USING DATA FROM SURVEYS FROM 1977 AND 1978; CONTOURED AT 20 GAMMA INTERVALS AT A SCALE OF 1:48000. ASSOCIATED REPORT DETAILS RESULTS OF DEVELOPED DATA..	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930783117473.006	AEROMAGNETIC MAP OF THE MERCURY AREA, NEVADA, BY PATRICIA L. HILL.	01/01/83-01/01/84	REDUCED RESIDUAL MAGNETIC DATA ARE PRESENTED AS A CONTOURED MAP AT A SCALE OF 1:62,500.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930983117473.008	AEROMAGNETIC MAP OF THE BEATTY QUADRANGLE, NEVADA-CALIFORNIA, BY J.M. GLEN AND D.A. PONCE	01/01/90-01/28/91	AEROMAGNETIC MAP WAS PREPARED FROM SIX SEPARATE AEROMAGNETIC SURVEYS. THE MAP WAS CREATED USING BOTH A MOSAIC AND A MERGING TECHNIQUE IN WHICH THE SURVEYS ARE ANALYTICALLY CONTINUED TO A COMMON LEVEL, DATUM ADJUSTED AND MERGED.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
Activity - 8.3.1.17.4.7.4				
GS930583117472.005	GRAVITY AND MAGNETIC EVIDENCE FOR A GRANITIC INTRUSION NEAR WAHMONIE SITE, NEVADA TEST SITE, NEVADA, BY DAVID A. PONCE	01/01/83-06/10/83	TWO DIMENSIONAL GRAVITY MODEL CONSTRUCTED USING MAGNETIC, SEISMIC, AND ELECTRIC DATA.	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 - 8.3.1.17.4.7.5				
**GS900983117475.001	PRELIMINARY ASSESSMENT OF IN-SITU GEOMECHANICAL CHARACTERISTICS IN DRILL-HOLE USW-G1, YUCCA MOUNTAIN, NEVADA, BY W.L. ELLIS AND HENRI S. SWOLFS	01/01/82-08/05/82	HYDRAULIC FRACTURING STRESS MEASUREMENTS TESTING. OBSERVATIONS MADE DURING DRILLING AND SUBSEQUENT TESTING OF THE USW G-1 DRILL HOLE, YUCCA MOUNTAIN, PROVIDE QUALITATIVE INSIGHTS INTO THE IN-SITU GEOMECHANICAL CHARACTERISTICS OF THE LAYERED TUFF UNITS PENETRATED BY THE HOLE.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
**GS900983117475.002	PRELIMINARY ANALYSIS OF GEOPHYSICAL LOGS FROM THE WT SERIES OF DRILL HOLES, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY D.C. MULLER AND J.E. KIBLER	01/01/85-10/31/85	USGS STANDARD COLLECTION METHODS.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
**GS930383117475.001	TIME-DOMAIN ELECTROMAGNETIC SOUNDINGS AT THE NEVADA TEST SITE, NEVADA, BY F.C. FRISCHKNECHT AND P.V. RAAB.	01/01/83-01/01/84	DESCRIPTIONS OF WORK DONE NEAR YM TO DEVELOP AND DEMONSTRATE ELECTROMAGNETIC SOUNDING METHODS WHICH WOULD BE EFFECTIVE IN GEOLOGICALLY COMPLICATED REGIONS. EFFORTS FOCUSED ON SHORT-OFFSET (NEAR ZONE) TIME-DOMAIN ELECTROMAGNETIC (TDEM) TECHNIQUES IN WHICH THE RECEIVING LOOP IS INSIDE OR VERY NEAR THE TRANSMITTING LOOP.	D N F
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F T Y P E
GS930583117475.002	SOME RECONNAISSANCE-TYPE ELECTRICAL SURVEYS OF TIMBER MOUNTAIN CALDERA, NYE COUNTY, NEVADA, BY J. ZABLOCKI	01/01/78-01/01/79	TELLURIC PROFILES WERE OBTAINED BY: 1) TELLURIC CURRENT J-MAPPING (METHOD OF KELLER AND FRISCHNECHT, 1966, ELECTRICAL METHODS IN GEOPHYSICAL PROSPECTING), 2) TELLURIC PROFILING (METHOD OF BEYER, 1977, TELLURIC AND D.C. RESISTIVITY TECHNIQUES...), AND 3) AUDIOMAGNETOTELLURIC (METHOD OF HOOVER, D.B., AND OTHERS, 1978, GEOPHYSICS, V. 43) . COMPLETE BIBLIOGRAPHIC CITATIONS ARE IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.17.4.7.8				
GS930383117478.001	PRELIMINARY RESULTS OF HIGH-RESOLUTION SEISMIC-REFLECTION SURVEYS CONDUCTED ACROSS THE BEATTY AND CRATER FLAT FAULT SCARPS, NEVADA, BY S.T. HARDING.	01/01/85-08/20/85	PRELIMINARY RESULTS AND INTERPRETATIONS OF THE HIGH-RESOLUTION SEISMIC-REFLECTION SURVEY ACROSS THE BEATTY AND CRATER FLAT FAULT SCARPS THAT USED THE MINI-SOSIE HIGH-SOLUTION SEISMIC-REFLECTION TECHNIQUE.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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Activity - 8.3.1.17.4.8				
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.17.4.8.1				
GS930283117481.001	STRESS FIELD AT YUCCA MOUNTAIN, BY J.M. STOCK AND J.H. HEALEY.	01/01/85-10/21/85	DESCRIPTIONS & INTERPRETATIONS OF DATA/INFO. INCLUDING STRESS MAGNITUDES, STRESS DIRECTIONS AND TOPOGRAPHIC EFFECTS ON STRESS LEVELS. METHOD IN HICKMAN, S.H. & M.D. ZOBACK, 1983, THE INTERPRETATION OF HYDRAULIC FRACTURING PRESSURE-TIME DATA FOR IN-SITU STRESS DETERMINATION, IN HYDRAULIC FRACTURING STRESS MEASUREMENTS, NAT'L ACADEMY PRESS, WASH.D.C., 44-54, USED TO DETERMINE STRESS MAGNITUDES. TEST PROCEDURES & EQUIPMENT SETUP IN 1) HEALY, J.H., & OTHERS, 1984, REPORT ON TELEVIEWER LOG AND STRESS MEASUREMENTS IN CORE HOLE USW-G1, NTS, DEC. 13-22, 1981, USGS OFR 84-15; 2) STOCK, J.M., & OTHERS, 1984, REPORT ON TELEVIEWER LOG AND STRESS MEASUREMENTS IN CORE HOLE USW G-2, NTS, OCT-NOV. 1982, USGS OFR 84-172; AND 3) STOCK, J.M., & OTHERS, 1986, REPORT ON TELEVIEWER LOG AND STRESS MEASUREMENTS IN HOLES USW G-3 AND UE-25P#1, YM, NYE CO., NV, USGS OFR 86-369. STRESS DIRECTION DETERMINED USING TELEVIEWER LOGS.	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	
GS930483117481.002	AN EVALUATION OF THE TOPOGRAPHIC MODIFICATION OF STRESSES AT YUCCA MOUNTAIN, NEVADA, BY HENRI S. SWOLFS, WILLIAM Z. SAVAGE, AND WILLIAM L. ELLIS.	01/01/85-07/24/86	SOLUTION FOR TOPOGRAPHICALLY INDUCED STRESSES DERIVED FROM KOLOSOV-MUSKHELISHVILI METHOD OF COMPLEX POTENTIALS FOR PLANE ELASTICITY, SAVAGE, W.Z., AND OTHERS, 1985, GRAVITATION OF STRESSES IN LONG SYMMETRIC RIDGES AND VALLEYS; INTERNATIONAL JOURNAL OF ROCK MECHANICS, MINERAL SCIENCE, AND GEOCHEMICAL ABSTRACTS. CONFORMAL MAPPING FUNCTION USED TO TRANSFORM A SYMMETRIC RIDGE INTO A HALF-PLANE TO OBTAIN GRAVITY-INDUCED STRESSES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930483117481.003	INFERENCES ABOUT THE LOCAL STRESS FIELD FROM FOCAL MECHANISMS: APPLICATIONS TO EARTHQUAKES IN THE SOUTHERN GREAT BASIN OF NEVADA, BY S.C. HARMSSEN AND A.M. ROGERS.	01/01/85-01/13/86	SOURCE DATA USED TO INFER PROPERTIES OF REGIONAL STRESS FIELD. DETERMINATION OF AVERAGE STRESS FIELD IS BY INVERSION OF PALEOSTRAIN OR FOCAL MECHANISM DATA, METHOD OF ANGELIER, J., 1984, TECTONIC ANALYSIS OF FAULT SLIP DATA SETS, J. GEOPHYS. RES., 89. COMPLETE BIBLIOGRAPHIC CITATION IN REPORT.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930583117481.004	FRICTIONAL SLIDING AND FRACTURE BEHAVIOR OF SOME NEVADA TEST SITE TUFFS, BY C. MORROW AND J. EYERLEE	01/01/83-03/21/84	DIFFERENTIAL STRESS-AXIAL CURVES WERE PRODUCED TO DETERMINE COEFFICIENT OF FRICTION.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			

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GS930583117481.005	HYDRAULIC FRACTURING STRESS MEASUREMENTS AT YUCCA MOUNTAIN, NEVADA, AND RELATIONSHIP TO THE REGIONAL STRESS FIELD BY J.M. STOCK, J.H. HEALY, S.H. HICKMAN, AND M.D. ZOBACK.	01/01/84-07/02/84	RESULTS FROM EIGHT TESTS TAKEN IN THE SZ FOR WELLS USW G-1 AND G-2. MAGNITUDES AND DIRECTIONS OF PRINCIPAL STRESSES USING HYDRAULIC FRACTURING DESCRIBED BY HICKMAN AND ZOBACK (1983) AND HAIMSON AND FAIRHURST (1967). FRACTURE PROPERTIES BY INTERPRETATION OF ACOUSTIC BOREHOLE TELEVIEWER-LOGS. FRACTURE DIP DIRECTIONS AND BREAKOUTS CHARACTERIZED BY EQUAL-AREA PROJECTION PLOTS AND ROSE DIAGRAMS. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	I. N P
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 0.3.1.17.4.8.2				
*GS900983117475.001	PRELIMINARY ASSESSMENT OF IN-SITU GEOMECHANICAL CHARACTERISTICS IN DRILL-HOLE USW-G1, YUCCA MOUNTAIN, NEVADA, BY W.L. ELLIS AND HENRI S. SWOLFS	01/01/82-08/05/82	HYDRAULIC FRACTURING STRESS MEASUREMENTS TESTING. OBSERVATIONS MADE DURING DRILLING AND SUBSEQUENT TESTING OF THE USW G-1 DRILL HOLE, YUCCA MOUNTAIN, PROVIDE QUALITATIVE INSIGHTS INTO THE IN-SITU GEOMECHANICAL CHARACTERISTICS OF THE LAYERED TUFF UNITS PENETRATED BY THE HOLE.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
*GS900983117482.001	COMPARISON OF SURVEY AND PHOTOGRAMMETRY METHODS TO POSITION GRAVITY DATA, YUCCA MOUNTAIN, NEVADA, BY D.A. FONCE, S.S.C WU, AND J.B. SPIELMAN	01/01/84-01/01/85	USGS STANDARD COLLECTION METHODS.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				

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GS930583117482.001	TOPOGRAPHY, STRESSES, AND STABILITY AT YUCCA MOUNTAIN, NEVADA, BY H.S. SWOLFS AND W.Z. SAVAGE	01/01/84-03/05/85	METHOD OF SAVAGE, W.Z. AND OTHERS, 1983, USGS OFR 83-401, USED TO DERIVE SOLUTION FOR TOPOGRAPHICALLY INDUCED STRESS BY KOLOSOV-MUSKHELISHVILI METHOD OF COMPLEX POTENTIALS FOR PLANE ELASTICITY. CONFORMAL MAPPING FUNCTION TRANSFORMED ISOLATED SYMMETRIC RIDGE INTO A HALF-PLANE IN WHICH EXPRESSIONS ARE OBTAINED FOR GRAVITY INDUCED STRESSES IN SYMMETRIC RIDGE. PUMPING RATES VERSUS PRESSURE PLOTS YIELDED ESTIMATE FOR SHUT-IN PRESSURES. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.17.4.9				
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.9.1				
*GS900983117491.001	URANIUM-THORIUM DATING OF QUATERNARY CARBONATE ACCUMULATIONS IN THE NEVADA TEST SITE REGION, SOUTHERN NEVADA, BY B.J. SZABO, W.J. CARR, AND W.C. GOTTSCHALL.	01/01/80-06/18/80	USGS STANDARD COLLECTION METHODS.	D N T
ACQN/DEVL LOCATION : USGS, DENVER, CO.				
Activity - 8.3.1.17.4.10.1				
*GS930731174101.003	1983 - 1988 LEVELING RESULTS, 1983 - 1988 QUADRALATERAL RESULTS AND VARIOUS EARLIER DATA	01/01/83-12/31/88	STANDARD USGS METHODS FOR GEODETIC LEVELING AND SECTION OBSERVATIONS.	A N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
*GS930731174102.004	FINAL (1990 - 1991) DATA ACQUISITION REPORT OF YMP GEODETIC LEVELING ACTIVITY: INCLUDES REPORTS, HEIGHT DATA, DESCRIPTIONS, NGS ELEVATIONS, AND QUADRALATERALS	11/01/90-07/01/91	GP-06, R2&R3 GEODETIC LEVELING AND TRILATERATION SURVEYS	A Y P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.10.3				
GS920931174103.002	GEODETIC LEVELING DATA USED TO DEFINE HISTORICAL HEIGHT CHANGES BETWEEN TONOPAH JUNCTION AND LAS VEGAS, NEVADA BY THOMAS D. GILMORE	01/01/87-08/03/92	PROFILE HISTORICAL HEIGHT CHANGES BASED ON D N P COMPARISONS OF REPEATED GEODETIC LEVELINGS ALONG THE SURVEY ROUTE. STANDARD USGS METHODOLOGY. COMPUTER PROGRAMS PROCESSED VERTICAL CONTROL DATA FROM TWO SOURCES: DIGITAL FILES FROM THE NATIONAL GEODETIC SURVEY AND HANDWRITTEN SUMMARY BOOKS FROM U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION ARCHIVES.	
ACQN/DEVL LOCATION : USGS, MENLO PARK				
**GS920931174103.003	GEODETIC EVIDENCE FOR VERTICAL TECTONIC MOVEMENT DURING THE TWENTIETH CENTURY IN THE CRATER FLAT/YUCCA MOUNTAIN AREA, SOUTHERN NEVADA, BY T.D. GILMORE AND M.D. CARR	01/01/89-02/21/90	DATA FROM 1907, 1915, AND 1980-1985 BENCH MARKS WERE COMPARED TO CREATE THIS REPORT AS A PARTIAL TEST OF THE HYPOTHESIS THAT AN ACTIVE STRUCTURAL TROUGH EXTENDS SOUTHWARD.	D N P
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.17.4.11				
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.12				
GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.17.4.12.1				
GS910931174121.001	GEOLOGIC MAP OF THE BARE MOUNTAIN, NYE COUNTY, NEVADA QUADRANGLE.	01/01/65-01/01/84	STANDARD GEOLOGIC FIELD MAPPING METHODS. SOME OF THE DATA INVOLVED DATES BACK TO THE 1960'S.	D N F
ACQN/DEVL LOCATION : BARE MOUNTAIN, NEVADA.				
GS930408318512.005	TECTONICS, SEISMICITY, VOLCANISM AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1980 REPORT.	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION AND DEPOSITION STUDIES.	D N F
ACQN/DEVL LOCATION : USGS, DENVER, CO.				
GS930408318512.006	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR, A.M. ROGERS, AND B.M. CROWE -- FY 1982 REPORT.	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS OF TECTONIC, SEISMIC, AND VOLCANIC STUDIES INCLUDING MAPPING, PALEOZOIC STRUCTURE, AND EARTHQUAKE DATA.	D N F
ACQN/DEVL LOCATION : USGS, DENVER, CO.				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930431174121.001	VOLCANO-TECTONIC SETTING OF YUCCA MOUNTAIN AND CRATER FLAT, SOUTHWESTERN NEVADA, BY W.J. CARR.  ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/85-11/08/85	INTERPRETATIONS BASED ON A COMPILATION OF OTHER WORKS.	D N P
GS930508318512.007	TECTONICS, SEISMICITY, VOLCANISM, AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1979 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION, AND DEPOSITION STUDIES.	D N P
GS930508318512.008	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR AND A.M. ROGERS -- FY 1981 REPORT.  ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, AND VOLCANIC STUDIES.	D N P
GS930531174121.002	FISSION-TRACK DATING OF THE CLIMAX AND GOLD MEADOWS STOCKS, NYE COUNTY, NEVADA, BY C.W. NAESAR AND FLORIAN MALDONADO  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/79-01/01/80	APATITE DATED BY POPULATION METHOD (NAESAR, C.W., 1976, FISSION-TRACK DATING: USGS OFR 76-190). ZIRCON AND SPHENE DATED BY EXTERNAL-DETECTOR METHOD (NAESAR, C.W., OP CIT.)	D N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.2.4.1.1				
SNF05110184001.001	G-TUNNEL MINING EVALUATION OF WELDED TUFF TO REPOSITORY SCALE EXCAVATIONS FOR MODEL EVALUATIONS; INSTRUMENT PLACEMENT AND MEASUREMENT TECHNIQUES DURING MINING ACTIVITIES; AND MINING AND DRIFT STABILIZING TECHNIQUES TO SERVE AS PROTOTYPE FOR ES TESTING.	09/17/82-04/29/88	KEYSTONE 6310-85-7: G-TUNNEL WELDED TUFF MINING EVALUATIONS, DATED 10/29/85	A N C
ACQN/DEVL LOCATION : G-TUNNEL, YUCCA MOUNTAIN, NEVADA				
SNL02021391002.001	DIRECT SHEAR TEST WITH DIFFERENT BOUNDARY CONDITIONS. NORMAL COMPRESSION AND SHEAR TESTS.	04/17/91-06/19/92	EP-44, "NORMAL COMPRESSION AND SHEAR TESTS ON ROCK JOINTS."	A N C
ACQN/DEVL LOCATION : UNIVERSITY OF COLORADO AT BOULDER				
5NSAND86713000.000	SAND86-7130: "LABORATORY DETERMINATION OF THE MECHANICAL, ULTRASONIC AND HYDROLOGIC PROPERTIES OF WELDED TUFF FROM THE GROUSE CANYON HEATED BLOCK SITE"	01/01/86-07/01/87	BULK DENSITY, MOISTURE CONTENT, PERCENT SATURATION, AND POROSITY WERE DETERMINED FROM SAMPLES COLLECTED FROM A FRESHLY BLASTED MUCK PILE OF GROUSE CANYON WELDED TUFF IN EXTENSOMETER DRIFT IN U12G TUNNEL. PHYSICAL PROPERTY MEASUREMENTS CONDUCTED WITHIN 3 DAYS OF THE SAMPLING. COMPRESSIVE STRENGTH WAS DETERMINED USING STANDARD UNIAXIAL AND TRIAXIAL COMPRESSION METHODS. TENSILE STRENGTH DETERMINED USING BRAZILIAN INDIRECT METHOD. (SEE SAND86-7130 FOR MORE DETAIL).	D N C
ACQN/DEVL LOCATION : SNL				



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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.5.4.1.1				
LLLLYMP9107104.000	SPENT FUEL HARDWARE ACTIVITIES AS A FUNCTION OF TIME (TO 1,000,000 YEARS)	10/01/89-09/30/90	CALCULATIONAL.	D N C
ACQN/DEVL LOCATION : PNL				
Activity - 8.3.5.10.2.1				
LLLLYMP9011018.000	RADIOCHEMICAL DATA FROM SPENT FUEL DISSOLUTION TESTS AT PNL (SERIES 2: CYCLES 3, 4 AND 5 AND SERIES 3.	08/01/85-08/31/87	RADIOCHEMICAL, CHEMICAL ANALYSES OF J-13 WATER FOLLOWING SATURATED SEMISTATIC DISSOLUTION TESTS WITH BARE AND CLAD SPENT FUEL AT 25 DEGREES AND 85 DEGREES C. ALSO, ANALYSES OF THE SPENT FUEL FOLLOWING THE TESTING.	A Y C
ACQN/DEVL LOCATION : LLNL				
LLLLYMP9104034.000	UPPER LIMIT STEADY-STATE CONCENTRATIONS OF RADIONUCLIDES IN J-13 WATER. CALCULATIONS ARE FROM DATA REPORTED IN PNL 7169 AND PNL 7170, AND IN RECORD PACKAGES LLYMP9004172 AND LLYMP8908147.	05/01/87-06/30/90	LABORATORY MEASUREMENTS OF STEADY STATE CONCENTRATIONS.	D N T
ACQN/DEVL LOCATION : LLNL				
LLLLYMP9110169.000	RATE OF GRAIN VOLUME FRONT PROPAGATION UO(2) TO U(4)O(9) AND ACTIVATION ENERGY FOR THIS RATE.	10/01/90-09/30/91	OPTICAL AND SCANNING ELECTRON MICROSCOPY (SEM).	D Y C
ACQN/DEVL LOCATION : PNL				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.5.10.2.2				
LLLLYMP9108066.000	RATES OF NUCLEAR WASTE GLASS ALTERATION CAUSED BY DRIPPING GROUNDWATER INTO WASTE FORM AT 90 C, INCLUDES TABLE AT ALL SECONDARY PHASES IDENTIFIED.	02/01/84-09/01/91	THE NUCLEAR WASTE GLASS IS CONTACTED EVERY A Y C 3.5 DAYS BY 0.075 DROPS AT J-13 WELL WATER THAT WAS PRE-EQUILIBRATED WITH TOPOPAR SPRINGS TUFF AT 90 C. THE DRIP TEST IS ALSO PERFORMED AT 90 C. ELEMENTAL RELEASE FROM THE GLASS (REPORTED HERE) IS DETERMINED BY CHEMICAL ANALYSES AT THE WATER THAT HAS CONTACTED THE GLASS. THE SURFACE ALTERATION PRECIPITATES ARE CHARACTERIZED BY SEVERAL METHODS INCLUDING SCANNING AND ANALYTICAL ELECTRON MICROSCOPY.	
	ACQN/DEVL LOCATION : LLNL			
Activity - 8.3.5.10.3.2				
LLLLYMP9103103.000	LIST OF SPECIES IN AND FORMAT OF THE EQ3/6 (GEMBOCHS) DATA BASE (A PART OF THE YMP TDB).	01/01/82-02/28/91	LIST OF CHEMICAL SPECIES IN THE EQ3/6 DATABASE AND THEIR FORMAT.	D Y C
	ACQN/DEVL LOCATION : LLNL			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.5.10.5.1				
LLLLYMP9305206.000	DRY BULK DENSITY, GRAIN DENSITY, POROSITY. REACTION OF VITRIC TOPOPAH SPRING TUFF AND J-13 GROUND WATER UNDER HYDROTHERMAL CONDITIONS	03/01/85-09/01/86	SOLID WAFERS OF GLASSY TUFF WERE REACTED WITH A DILUTE GROUND WATER FOR SEVERAL MONTHS AT 250, 250 AND 90 DEGREES C AT 100 BAR PRESSURE IN DICKSON-TYPE, GOLD-BAG ROCKING AUTOCLAVES. THE IN SITU CHEMISTRY OF THE HYDROTHERMAL FLUIDS WAS MODELED AND THE CHEMICAL AFFINITIES FOR ALL POSSIBLE MINERAL PRECIPITATION REACTIONS FOR SPECIES CONTAINED WITHIN THE DATABASE WERE CALCULATED USING THE EQ3/6 PROGRAM.	D N T
ACQN/DEVL LOCATION : LLNL				
Activity - 8.3.5.10.5.2				
LLLLYMP9104035.000	LABORATORY DETERMINED SUCTION POTENTIAL OF TOPOPAH SPRINGS TUFF AT HIGH TEMPERATURES.	01/01/81-12/13/89	LABORATORY MEASUREMENTS OF SUCTION POTENTIAL.	D N T
ACQN/DEVL LOCATION : LLNL				
LLLLYMP9108114.000	TWO PHASE FLOW MEASUREMENTS CONTAINED ON RECORD PACKAGE LLYMP9107074 (MAGNETIC TAPE).	01/01/84-05/31/91	TWO PHASE FLOW MEASUREMENTS MADE USING LLNL COMPUTER CONTROLLED TEST APPARATUS.	A N F
ACQN/DEVL LOCATION : LLNL				
LLLLYMP9109192.000	DISSOLUTION AND PRECIPITATION KINETICS OF GIBBSITE AT 80 DEGREES C AND PH3: THE DEPENDENCE ON SOLUTION SATURATION STATE.	10/01/89-09/30/90	LABORATORY NET CHEMISTRY.	D N C
ACQN/DEVL LOCATION : YALE UNIVERSITY				

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# SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*LLLLYMP9305204.000	DRY BULK DENSITY AND POROSITY TRANSPORT PROPERTIES ON TOPOPAH SPRING TUFF	01/01/83-03/31/84	ELECTRICAL RESISTIVITY, ULTRASONIC P-WAVE VELOCITY AND WATER PERMEABILITY WERE MEASURED SIMULTANEOUSLY ON BOTH INTACT AND FRACTURED TOPOPAH SPRING TUFF SAMPLES AT A CONFINING PRESSURE OF 5.0 MPA, PORE PRESSURES TO 215 MPA, AND TEMPERATURES TO 140 DEGREES C. THE TESTED SAMPLES WERE SUBJECTED TO THREE DEHYDRATION AND REHYDRATION CYCLES.	D N T
	ACQN/DEVL LOCATION : LLNL			
*LLLLYMP9305205.000	DRY BULK DENSITY, GRAIN DENSITY, POROSITY. HYDROTHERMAL INTERACTION OF SOLID WAFERS OF TOPOPAH SPRING TUFF WITH J-13 WATER AND DISTILLED WATER AT 90, 150, AND 250 DEGREES C	03/01/84-06/01/85	THESE ROCK-WATER INTERACTIONS WERE CONDUCTED WITH SOLID POLISHED WAFERS CUT FROM BOTH DRILLCORE AND OUTCROP SAMPLES OF TOPOPAH SPRING TUFF USING BOTH A NATURAL GROUND WATER AND DISTILLED WATER AS THE REACTING FLUID. ALL EXPERIMENTS WERE RUN IN DICKSON-TYPE, GOLD BAG ROCKING AUTOCLAVES THAT WERE PERIODICALLY SAMPLED AT IN SITU CONDITIONS.	D N T
	ACQN/DEVL LOCATION : LLNL			

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.5.12.2.1				
SNL19000000001.000	"SUBMITTAL OF LOGBOOK FOR POINT SOURCE MILLER SCALING EXPERIMENTS" WITH COVER LETTER.	02/16/90-04/19/90	POINT SOURCE MILLER SCALING EXPERIMENTS: LOGBOOK PAGE 1 (51/L19-1/15/90).	A N P
	ACQN/DEVL LOCATION : SNL			
SNL19000000002.000	"SUBMITTAL OF LOGBOOK FOR POINT SOURCE MILLER SCALING EXPERIMENTS" WITH COVER LETTER.	02/16/90-04/19/90	POINT SOURCE MILLER SCALING EXPERIMENTS: LOGBOOK PAGE 1 (51/L19-1/15/90).	A N P
	ACQN/DEVL LOCATION : SNL			
SNL19000000003.000	"SUBMITTAL OF LOGBOOK FOR POINT SOURCE MILLER SCALING EXPERIMENTS," WITH COVER LETTER.	04/19/90-06/29/90	POINT SOURCE MILLER SCALING EXPERIMENTS: LOGBOOK PAGE 1 (51/L19-1/15/90).	A N P
	ACQN/DEVL LOCATION : SNL			
Activity - 8.3.5.12.2.1.1				
SNL05110584001.001	DETERMINATION OF SATURATED PERMEABILITIES FROM USW G-1, USW GU-3, AND USW G-4 SAMPLES IN SUPPORT OF HYDROLOGIC PROPERTY VARIABILITY INVESTIGATIONS.	08/05/80-09/01/85	MEASUREMENTS WERE MADE ON TUFF SAMPLES OBTAINED FROM DRILL HOLES AT YUCCA MOUNTAIN. TESTS WERE CONDUCTED ON SAMPLES WITH A RANGE IN VOLUME FROM 2 TO 40 CUBIC METERS. DATA WAS COLLECTED USING A RUSKA LIQUID PERMEAMETER AND SC-10 PSYCHROMETER. (SEE LOGBOOK 4042 PG1 FOR MORE DETAIL)	A N C
	ACQN/DEVL LOCATION : PACIFIC NORTHWEST LABORATORY			

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNL07110584001.001	DETERMINATION OF WATER RETENTION CHARACTERISTICS FROM USW G-1, USW GU-3, AND USW G-4 IN SUPPORT OF HYDROLOGIC PROPERTY VARIABILITY INVESTIGATIONS.	08/05/80-09/01/85	MEASUREMENTS WERE MADE ON TUFF SAMPLES OBTAINED FROM DRILL HOLES AT YUCCA MOUNTAIN. TESTS WERE CONDUCTED ON SAMPLES WITH A RANGE IN VOLUME FROM 2 TO 40 CUBIC METERS. DATA WAS COLLECTED USING A RUSKA LIQUID PERMEAMETER AND SC-10 PSYCHROMETER. (SEE LOGBOOK 4042 PG1 FOR MORE DETAIL)	A N C
ACQN/DEVL LOCATION : PACIFIC NORTHWEST LABORATORY				
SNL19000000004.000	TITLE/DESCRIPTION OF DATA: EVALUATION OF X-RAY ABSORPTION AND TRANSMITTED LIGHT AS FULL-FIELD, TWO-DIMENSIONAL MOISTURE-SENSING TECHNIQUES. EXPERIMENTS CONDUCTED BY V.C. TIDWELL AND R.J. GLASS; ASSISTED BY L. OREAR AND C.W. GINN. EXPERIMENT TITLES: 1) CALIB: GENERAL EXPERIMENT PROCEDURE, COMPILATION OF COMPUTER CODES FOR DATA ACQUISITION-DATA ADJUSTMENT, SCALING, AND ANALYSIS; 2) CALIB 1: DATA FOR THE 0.42 - 0.30 MM SAND; 3) CALIB 2: DATA FOR THE 0.42 - 0.32 MM SAND; 4) CALIB 3: DATA FOR THE 0.59 - 0.21 MM SAND; 5) CALIB 4: DATA FOR THE 0.84 - 0.149 MM SAND.	05/05/91-08/31/91	IN BOTH THE X-RAY AND LIGHT TECHNIQUES, ELECTROMAGNETIC ENERGY IN THE FORM OF EITHER X-RAYS OR VISIBLE LIGHT IS PASSED THROUGH THE TEST MEDIA, AND THE MOISTURE-CONTENT DISTRIBUTION INTEGRATED OVER THE MEDIA'S THICKNESS IS MEASURED AS VARIATIONS IN THE TRANSMITTED X-RAY OR LIGHT INTENSITY FIELD.	A N C
ACQN/DEVL LOCATION : SNL				
SNL19011590001.001	LOGBOOK FOR FULL FIELD INSTABILITY IN UNSATURATED FRACTURE EXPERIMENT	11/10/91-06/10/92	AN EXPERIMENTAL APPARATUS COMPOSED OF A ROTATING TEST STAND (RTS), FRACTURE TEST CELL, AND TRANSMITTED-LIGHT VISUALIZATION SYSTEM WAS DESIGNED TO FACILITATE OBSERVATION OF WETTING-FRONT ADVANCE IN TRANSPARENT ANALOGUE FRACTURES. DATA IS ACQUIRED BY A CHARGE-COUPLED-DEVICE (CCD) VIDEO CAMERA ATTACHED TO THE SUPERSTRUCTURE OF THE RTS AND FOCUSED ON THE FRACTURE PLANE. (SEE LOGBOOK PAGE 2 FOR A MORE DETAILED DESCRIPTION).	A N C

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## SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM			
SNL19011590001.002	SCOPING STUDIES: GAS PERMEAMETER LABORATORY DATA	10/15/91-11/22/91	A GAS PERMEAMETER HAS BEEN BUILD THAT ALLOWS RAPID, PRECISE MEASUREMENT OF ROCK PERMEABILITY AT SCALES SPANNING FOUR ORDER OF MAGNITUDE ON A PER-VOLUME BASIS. THE PERMEAMETER CONSISTS OF A SERIES OF VALVED FLOW METERS AND A PRESSURE GAUGE WHICH ARE CONNECTED TO A SOURCE OF NITROGEN. A SPECIALLY ADAPTED NOZZLE, THE DIAMETER OF WHICH DEFINES THE SCALE OF MEASUREMENT, IS USED TO ESTABLISH A KNOWN BOUNDARY CONDITION ON THE ROCK SURFACE. DATA WAS COLLECTED FROM A SLAB OF DENSELY WELDED VOLCANIC TUFF MEASURING 0.9M BY 0.9M BY 2.5CM (SEE STANDARD OPERATING PROCEDURE FOR LABORATORY GAS PERMEAMETER TESTING, P. 1 OF SCOPING STUDY FOR GAS PERMEAMETER LABORATORY DATA).	A N C
	ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM			
SNSAND87238000.000	HYDRAULIC CONDUCTIVITY, BULK DENSITY, WATER RETENTION, AND CURVE FIT PARAMETER DATA. SAND87-2380: "STATISTICAL ANALYSIS OF HYDROLOGIC DATA FOR YUCCA MOUNTAIN"	08/21/82-12/01/87	THE DATA ANALYZED IN THIS REPORT CONSIST OF MEASUREMENTS MADE ON TUFF SAMPLES OBTAINED FROM CORES TAKEN FROM THREE DRILL HOLES AT YUCCA MOUNTAIN. THE CYLINDRICAL CORES WERE ABOUT 6 CM IN DIAMETER AND 6 TO 20 CM LONG. SAMPLES WERE TAKEN FROM EACH OF THE FUNCTIONAL UNITS WITHIN EACH DRILL HOLE, AT VARIOUS DEPTHS WITHIN EACH UNIT, USUALLY 10 M OR MORE APART. STATISTICAL ANALYSES WERE MADE FROM FOUR HYDRAULIC VARIABLES: SATURATED-MATRIX HYDRAULIC CONDUCTIVITY; MAXIMUM MOISTURE CONTENT; SUCTION HEAD; AND GROUNDWATER TRAVEL TIME.	D N T
	ACQN/DEVL LOCATION : SANDIA NATIONAL LABORATORIES, ALBUQUERQUE, NM			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.5.12.2.2				
SNL19000700001.000	"SUBMITTAL OF LOGBOOK FOR POINT SOURCE MILLER SCALING EXPERIMENTS" WITH COVER LETTER.	02/16/90-04/19/90	POINT SOURCE MILLER SCALING EXPERIMENTS: LOGBOOK PAGE 1 (51/L19-1/15/90).	A N P
	ACQN/DEVL LOCATION : SNL			
SNL19000000002.000	"SUBMITTAL OF LOGBOOK FOR POINT SOURCE MILLER SCALING EXPERIMENTS" WITH COVER LETTER.	02/16/90-04/19/90	POINT SOURCE MILLER SCALING EXPERIMENTS: LOGBOOK PAGE 1 (51/L19-1/15/90).	A N P
	ACQN/DEVL LOCATION : SNL			
SNL19000000003.000	"SUBMITTAL OF LOGBOOK FOR POINT SOURCE MILLER SCALING EXPERIMENTS," WITH COVER LETTER.	04/19/90-06/29/90	POINT SOURCE MILLER SCALING EXPERIMENTS: LOGBOOK PAGE 1 (51/L19-1/15/90).	A N P
	ACQN/DEVL LOCATION : SNL			



## SITE CHARACTERIZATION PLAN BASELINE - PROTOTYPE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T Q D U L I A O F L C I A T F T Y I I P E O E D N
GS90090123344G.001	TRIAXIAL-COMPRESSION EXTRACTION OF PORE WATER FROM UNSATURATED TUFF, YUCCA MOUNTAIN, NEVADA, BY I.C. YANG, A.K. TURNER, T.M. SAYRE AND PARVIZ MONTAZER  ACQN/DEVL LOCATION : USGS	06/01/87-12/31/87	THIS REPORT IS A DETAILED DESCRIPTION OF THE METHOD USED IN THIS STUDY.	D N P
GS910501236947.001	PORE-WATER EXTRACTION FROM UNSATURATED TUFFS USING ONE-DIMENSIONAL COMPRESSION/DATA AND NOTES FROM ONE-DIMENSIONAL TESTS.  ACQN/DEVL LOCATION : USGS	05/26/88-02/21/89	USGS STANDARD TEST METHODS.	A N P
GS920212331210.001	PHYSICAL AND CHEMICAL DATA FROM ONE-DIMENSIONAL COMPRESSION OF ROCK CORES.  ACQN/DEVL LOCATION : CRYSTAL RESEARCH LABS, LANDER, WY HUFFMAN LABS, GOLDEN, CO ROCKY MTN. ANALYTICAL LAB/ENSECO, ARVADA, CO SURTEK INC., GOLDEN, CO USGS, DENVER	01/18/88-09/05/91	HP-125, R0, METHOD FOR EXTRACTION OF PORE WATER FROM TUFF CORES BY TRIAXIAL COMPRESSION, HP-223, R0, METHOD FOR PORE-WATER EXTRACTION USING ONE-DIMENSIONAL COMPRESSION, AND HP-160, R0, METHODS FOR COLLECTION AND ANALYSIS OF SAMPLES FOR GAS COMPOSITION BY GAS CHROMATOGRAPHY, WERE USED TO COLLECT DATA AS WELL AS SOME PROCEDURES WHICH ARE BEING DEVELOPED. PORE WATER AND GASES EXTRACTED FROM TUFF SAMPLES WERE ANALYZED. WATER ANALYSES INCLUDED DETERMINATION OF CALCIUM, MAGNESIUM, SODIUM, POTASSIUM, BICARBONATE, CHLORIDE, SULFATE, SILICA, NITRATE, PH, AND SPECIFIC CONDUCTANCE USING ION CHROMATOGRAPHY, ATOMIC ABSORPTION, AND COLORIMETRIC METHODS. GAS ANALYSES WERE PERFORMED FOR CO2, METHANE, AND SULFUR HEXAFLUORIDE DETERMINATIONS.	A N C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920912331210.002	A PRELIMINARY STUDY OF THE CHEMISTRY OF PORE WATER EXTRACTED FROM TUFF BY ONE-DIMENSIONAL COMPRESSION BY C.A. PETERS, I.C. YANG, J.D. HIGGINS, AND P.A. BURGER  ACQN/DEVL LOCATION : USGS, DFC, DENVER	07/01/91-07/01/92	WATEQF, FREELANCE AND MINITAB COMPUTER PROGRAMS WERE USED TO DETERMINE GEOCHEMICAL SATURATION STATES, PRODUCE GRAPHS AND ANALYZE DATA STATISTICALLY, RESPECTIVELY.	D N C
GS930201233124.001	WET AND DRY DRILLING DATA & LITHOLOGIC DATA FROM BOREHOLES DRILLED IN TRE G-TUNNEL UNDERGROUND FACILITY (GTUF) AND G-TUNNEL  ACQN/DEVL LOCATION : U12G DD-2 U12G WD2 U12G12 DD1 U12G12 WD1	11/14/88-12/20/88	PROTOTYPE TESTING.	A N P
*GS930912331210.002	PORE-WATER EXTRACTION FROM UNSATURATED TUFFS USING ONE-DIMENSIONAL COMPRESSION, BY TIMOTHY E. MOWER, J.D. HIGGINS AND IN CHE YANG  ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/90-12/27/90	ONE DIMENSIONAL COMPRESSION FOR EXTRACTIN. PORE-WATER WAS TESTED USING A THICK STEEL CYLINDER TO CONFINE THE CORE. RESULTING MECHANICAL DATA ARE SUMMARIZED IN TABULAR FORM.	D N P
SNF04000000001.000	G-TUNNEL PRESSURIZED SLOT-TESTING DATA  ACQN/DEVL LOCATION : G-TUNNEL UNDER GROUND FACILITY, NTS	12/09/85-04/29/88	TEST PLAN: G-TUNNEL PRESSURIZED SLOT TESTING; FEBRUARY 1986; SNL KEYSTONE DOCUMENT 6310-85-6	A N C

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## SITE CHARACTERIZATION PLAN BASELINE - PROTOTYPE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNF20000000001.000	MISTY ECHO TUNNEL DYNAMICS EXPERIMENT DATA REPORT VOLUME I, VOLUME II	12/10/88-12/10/88	DATA WAS ACQUIRED BY VARIOUS GEOTECHNICAL MEASUREMENT METHODS, AND BY RECORDING VISUAL IMAGES ON HIGH SPEED CAMERAS. SEE SAND89-0972 FOR DETAILED DESCRIPTION	A N C
	ACQN/DEVL LOCATION : "N" TUNNEL, NTS			
*SNF30050393001.001	SNL NORTH RAMP STARTER TUNNEL ROCK-MASS MONITORING DATA: PLOTS OF DRIFT CONVERGENCE AND CONVERGENCE RATE FOR ESF STARTER TUNNEL; AND PLOTS OF ROCK BOLT LOAD CELLS.	05/03/93-07/14/93	MAKE DISPLACEMENT MEASUREMENTS USING A TAPE EXTENSOMETER; CHECK ROCK BOLT LOAD CELL DATA BY READINGS WITH A VOLTMETER.	A N C
	ACQN/DEVL LOCATION : NEVADA TEST SITE - NORTH PORTAL/ESF STARTER TUNNEL			
SNL02000000001.000	LINEAR CUTTING TEST RESULTS FOR CUTTER 84HCT.	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	A N C
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO			
SNL02000000002.000	LINEAR CUTTING TEST RESULTS FOR CUTTER AM1723.	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	A N C
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO			
SNL02000000003.000	LINEAR CUTTING TEST RESULTS FOR CUTTER A30581.	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	A N C
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO			

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SNL02000000004.000	LINEAR CUTTING TEST RESULTS FOR CUTTER SYS35.	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR TEST CUTTING/COLLECT METHOD MANUAL AND ELECTRONIC	A N C
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO			
SNL02000000005.000	LINEAR CUTTING TEST SIEVE ANALYSIS RESULTS FOR CUTTER 84HCT	07/19/91-09/30/91	EARTH MECHANIC INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	A N C
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO			
SNL02000000006.000	LINEAR CUTTING TEST FOR SIEVE ANALYSIS RESULTS FOR CUTTER AM1723	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	A N C
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO			
SNL02000000007.000	LINEAR CUTTING TEST SIEVE ANALYSIS RESULTS FOR CUTTER A30581	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	A N C
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO			
SNL02000000008.000	LINEAR CUTTING TEST SIEVE ANALYSIS RESULTS FOR CUTTER SYS35	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL OR ELECTRONIC	A N C
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO			
SNL02000000009.000	LINEAR CUTTER MACHINE LABORATORY LOGBOOKS (3)	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	A N C
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MINES, GOLDEN, CO			

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## SITE CHARACTERIZATION PLAN BASELINE - PROTOTYPE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNL05000000002.000	DETERMINATION OF MATRIX SATURATED CONDUCTIVITIES AND FRACTURE SATURATED PERMEABILITIES IN SUPPORT OF HYDROLOGY CALCULATIONS  ACQN/DEVL LOCATION : PACIFIC NORTHWEST LABORATORY	09/20/83-01/04/84	DATA COLLECTED USING A RUSKA LIQUID PERMEAMETER	A N C
SNL05000000003.000	MEASUREMENTS OF SATURATED HYDRAULIC CONDUCTIVITIES FROM USW G-1, USW G-4 AND BUSTED BUTTE SAMPLES IN SUPPORT OF HYDROLOGIC CALCULATIONS AND TO DETERMINE PERMEABILITY VARIATION  ACQN/DEVL LOCATION : PACIFIC NORTHWEST LABORATORY	09/01/84-09/30/84	DATA WAS COLLECTED USING A RUSK LIQUID PERMEAMETER AND A SAMPLE CHANGER (SC-10) PSYCHROMETER	A N C
SNL05000000004.000	DETERMINATION OF SATURATED MATRIX PERMEABILITY IN SUPPORT OF HYDROLOGIC CALCULATIONS DATA USED FOR PRELIMINARY ESTIMATION OF HYDROLOGY OF UNITS ABOVE THE WATER TABLE  ACQN/DEVL LOCATION : PACIFIC NORTHWEST LABORATORY	07/05/83-07/05/83	PERMEABILITY MEASUREMENTS WERE CONDUCTED ON WAFERS 3/4" (1.9CM) THICK - 1/8" (5.4CM) DIAMETER. THE SAMPLE WAS PLACED BETWEEN 2 METAL END CAPS AND JACKETED WITH SILICON RUBBER AND TEFLON TUBING. THE SAMPLE WAS THEN VACUUM SATURATED WITH WATER PROVIDED BY SANDIA AND THEN SATURATED SAMPLE WAS PLACED IN A PRESSURE VESSEL.	A N C
SNL07000000002.000	DETERMINATION OF WATER CHARACTERISTICS OF MATRIX FROM G-1 AND BUSTED BUTTE IN SUPPORT OF UNSATURATED HYDROLOGIC CALCULATIONS AND TO INVESTIGATE EXPERIMENTAL SATURATION PROCEDURES  ACQN/DEVL LOCATION : PACIFIC NORTHWEST LABORATORY	09/01/84-09/30/84	DATA COLLECTED USING A RUSKA LIQUID PERMEAMETER AND SC-10 PSYCHROMETER	A N C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNL12011393001.001	SORPTION PROPERTIES OF WEDRON 510 SAND (DATA COLLECTION AND ANALYSES).	07/03/91-12/14/92	NICKEL SORPTION WAS MEASURED IN BATCH EXPERIMENTS AT SOLID:SOLUTION RATIOS OF APPROXIMATELY 1:1 OVER THE PH RANGE 5 TO 9.5. EXPERIMENTS WERE CARRIED OUT UNDER ATMOSPHERIC OR CARBON-DIOXIDE-FREE CONDITIONS IN 0.01 OR 0.001 M SODIUM-CHLORIDE IN 40 ML POLYCARBONATE (PC) OR PA CENTRIFUGE TUBES. BATCH STUDIES OF SORPTION OF LITHIUM & BROMIDE BY WEDRON 510 SAND IN 0.001 M SODIUM-CHLORIDE UNDER ATMOSPHERIC CONDITIONS WERE CARRIED OUT IN 40 ML PC CENTRIFUGE TUBES. AFTER ALLOWING SAMPLES TO PRE-EQUILIBRATE FOR SIX DAYS, THEY WERE ANALYZED FOR LITHIUM BY ATOMIC ADSORPTION & FOR BROMINE BY ION-SPECIFIC ELECTRODE. (FOR MORE DETAIL, SEE SAND93-0039C).	A N C
	ACQN/DEVL LOCATION : SNL			
SNL12011393001.002	SORPTION PROPERTIES OF WEDRON 510 SAND (NICKEL DATA AND ANALYSIS).	10/21/91-12/23/92	NICKEL SORPTION WAS MEASURED IN BATCH EXPERIMENTS AT SOLID:SOLUTION RATIOS OF APPROXIMATELY 1:1 OVER THE PH RANGE 5 TO 9.5. EXPERIMENTS WERE CARRIED OUT UNDER ATMOSPHERIC OR CARBON-DIOXIDE-FREE CONDITIONS IN 0.01 OR 0.001 M SODIUM-CHLORIDE IN 40ML POLYCARBONATE (PC) OR PA CENTRIFUGE TUBES. NICKEL CONCENTRATIONS WERE CALCULATED FROM ABSORBANCE DATA USING A QUADRATIC FIT TO THE CALIBRATION DATA. (SEE SAND 93-0039C, FOR MORE DETAIL)	D N C
	ACQN/DEVL LOCATION : SNL			

## SITE CHARACTERIZATION PLAN BASELINE - PROTOTYPE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I T Y P E D
3NSAND82244100.000	SAND82-2441: "EMPIRICALLY DETERMINED UNCERTAINTY IN POTASSIUM-ARGON AGES FOR PLIO-PLEISTOCENE BASALTS FROM CRATER FLAT, NYE COUNTY, NEVADA"	04/01/82-04/01/83	SIX SAMPLES OF BASALT FROM EACH OF FOUR SITES IN CRATER FLAT, NYE COUNTY, NEVADA. WERE DATED BY POTASSIUM-ARGON ISOTOPIC METHODS, BY EACH OF THREE SEPARATE GEOCHRONOLOGY LABORATORIES. THIS REPORT PRESENTS RESULTS, CONCLUSIONS, AND RECOMMENDATIONS FROM THE EXPERIMENTS TO ASSESS UNCERTAINTY IN POTASSIUM-ARGON ISOTOPIC AGE DETERMINATIONS FOR LATE CENOZOIC BASALTS. (SEE SAND82-2441 FOR MORE DETAIL).	D N C
ACQN/DEVL LOCATION : SNL				
5NSAND84147100.000	SATURATED HYDROLOGIC CONDUCTIVITY DATA FOR DRILL HOLES USW GU-3 AND USW G-4 FROM APPENDIX A TABLES IN SAND84-1471, "FRACTURE AND MATRIX HYDROLOGIC CHARACTERISTICS OF TUFFACEOUS MATERIALS FROM YUCCA MOUNTAIN, NYE COUNTY, NEVADA."	06/30/82-12/31/84	TUFFACEOUS CORE MATERIALS TAKEN FROM DRILL HOLES USW GU-3 AND USW G-4 AT YUCCA MOUNTAIN, NEVADA TEST SITE. DEVELOPED DATA WAS TAKEN FROM TEST'S THAT WERE RUN ON CYLINDERS 1.4 BY 1.2 CM (DIAMETER BY LENGTH) THAT WERE SUBCORED FROM THE ORIGINAL CORE SAMPLES. WATER SOLUTION USED IN TESTING THE HYDRAULIC PROPERTIES WAS OF LOW IONIC STRENGTH AND HAD A COMPOSITION SIMILAR TO THE GROUND WATER NEAR THE TEST WELL.	D N T
ACQN/DEVL LOCATION : PACIFIC NORTHWEST LABORATORIES SANDIA NATIONAL LABORATORIES				

SITE CHARACTERIZATION PLAN BASELINE - PROTOTYPE

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TMUSWG20000091.001	BOREHOLE LOGGING (1991) USW G-2 AT YUCCA MOUNTAIN NEVADA. LOGGER'S LOG.	01/03/91-01/21/91	A DIVERSE GEOPHYSICAL LOGGING PROGRAM WAS CONDUCTED IN BOREHOLE USW G-2 AT YUCCA MOUNTAIN, NEVADA. THE PURPOSE OF THE OPERATION WAS TO COLLECT A VARIETY OF DENSITY LOG DATA IN SUPPORT OF A USGS CALIBRATION STUDY AND TO COLLECT GEOCHEMICAL LOGGING DATA TO SUPPORT YMPO EVALUATION OF THE NEW GEOCHEMICAL LOGGING DEVICES.	A N C
ACQN/DEVL LOCATION : WELL # USW G-2 LOCATION AREA 25				
Activity - 8.3.1.2.2.4.8				
Gs920908312271.009	A PRELIMINARY STUDY OF THE CHEMISTRY OF PORE WATER EXTRACTED FROM TUFF BY ONE-DIMENSIONAL COMPRESSION	07/01/91-07/01/92	WATEQF, FREELANCE AND MINITAB COMPUTER PROGRAMS WERE USED TO DETERMINE GEOCHEMICAL SATURATION STATES, PRODUCE GRAPHS AND ANALYZE DATA STATISTICALLY, RESPECTIVELY.	D N F
ACQN/DEVL LOCATION : USGS, DENVER				



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TM00012561T1AB.006	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, OCTOBER 1990 THROUGH DECEMBER 1990  ACQN/DEVL LOCATION : T&MSS	10/01/90-12/31/90	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 1 OF THE SMMP	A N C
TM00012561T1AB.007	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, JANUARY 1991 THROUGH MARCH 1991  ACQN/DEVL LOCATION : T&MSS	01/01/91-03/31/91	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 1 OF THE SMMP	A N C
TM00012561T1AB.008	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, APRIL 1991 THROUGH JUNE 1991  ACQN/DEVL LOCATION : T&MSS	04/01/91-06/30/91	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SP	A N C
TM00012561T1BA.005	RAW DATA OF LAS VEGAS GAMING REVENUES AND TOURISM.  ACQN/DEVL LOCATION : T&MSS	02/01/90-02/01/90	STATISTICAL ANALYSIS OF HISTORIC CHANGES IN LAS VEGAS TOURISM AND GAMING REVENUE BASED ON SECONDARY DATA.	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM00012561T1BB.001	YUCCA MOUNTAIN PROJECT SOCIOECONOMIC MONITORING PROGRAM DATA REPORT, JUNE 1986 THROUGH SEPTEMBER 1989.  ACQN/DEVL LOCATION : T&MSS	06/01/86-09/30/89	MONITORING OF PROJECT CHARACTERIZATION AS DESCRIBED IN REVISION 1 OF THE SMMP.	A N C
TM00012561T1BB.002	YUCCA MOUNTAIN PROJECT SOCIOECONOMIC MONITORING PROGRAM DATA REPORT, OCTOBER 1989 THROUGH DECEMBER 1989.  ACQN/DEVL LOCATION : T&MSS	10/01/89-12/31/89	MONITORING OF PROJECT CHARACTERIZATION AS DESCRIBED IN REVISION 1 OF THE SMMP	A N C
TM00012561T1BB.003	YUCCA MOUNTAIN PROJECT SOCIOECONOMIC MONITORING PROGRAM DATA REPORT, JANUARY 1990 THROUGH MARCH 1990.  ACQN/DEVL LOCATION : T&MSS	01/01/90-03/31/90	MONITORING OF PROJECT CHARACTERIZATION AS DESCRIBED IN REVISION 1 OF THE SMMP	A N C
TM00012561T1BB.004	YUCCA MOUNTAIN PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, APRIL 1990 THROUGH JUNE 1990.  ACQN/DEVL LOCATION : T&MSS	04/01/90-06/30/90	MONITORING OF PROJECT CHARACTERIZATION AS DESCRIBED IN REVISION 1 OF THE SMMP	A N C
TM00012561T1BB.005	YUCCA MOUNTAIN PROJECT SOCIOECONOMIC MONITORING PROGRAM, QUARTERLY DATA REPORT, JULY 1990 THROUGH SEPTEMBER 1990.  ACQN/DEVL LOCATION : T&MSS	07/01/90-09/30/90	MONITORING OF PROJECT CHARACTERIZATION AS DESCRIBED IN REVISION 1 OF THE SMMP.	A N C

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TM00012561T1BB.009	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, JULY 1991 THROUGH SEPTEMBER 1991  ACQN/DEVL LOCATION : T&MSS	07/01/91-09/30/91	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SP	A Y C
TM00012561T1BB.010	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, OCTOBER 1991 THROUGH DECEMBER 1991  ACQN/DEVL LOCATION : T&MSS	10/01/91-12/31/91	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SP	A Y C
TM00012561T1BB.011	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, JANUARY 1992 THROUGH MARCH 1992  ACQN/DEVL LOCATION : T&MSS	01/01/92-03/31/92	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SP	A Y C
TM00012561T1BB.012	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, APRIL 1992 THROUGH JUNE 1992  ACQN/DEVL LOCATION : T&MSS	04/01/92-06/30/92	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SP	A Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM00121361T1DB.001	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, JULY 1992 THROUGH SEPTEMBER 1992  ACQN/DEVL LOCATION : T&MSS	07/01/92-09/30/92	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SP	A Y C
TM00121361T1DB.002	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, OCTOBER 1992 THROUGH DECEMBER 1992  ACQN/DEVL LOCATION : T&MSS	10/01/92-12/31/92	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	A Y C
TM00121361T1DB.003	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, JANUARY 1993 THROUGH MARCH 1993  ACQN/DEVL LOCATION : T&MSS	01/01/93-03/31/93	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	A Y C
*TM00121361T1DB.004	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT (EMPLOYMENT CHARACTERISTICS), APRIL 1993 THROUGH JUNE 1993  ACQN/DEVL LOCATION : T&MSS	04/01/93-06/30/93	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	A Y C

## 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
8.3.1.2.2.1.1	Characterization of hydrological properties of surficial materials
8.3.1.2.2.1.2	Evaluation of natural infiltration
8.3.1.2.2.2.1	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
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

<b>ACTIVITY NO.</b>	<b>ACTIVITY NAME</b>
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
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

<b>ACTIVITY NO.</b>	<b>ACTIVITY NAME</b>
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
8.3.1.3.4.2	Biological sorption and transport
8.3.1.3.5.1.1	Solubility measurements
8.3.1.3.6.1.1	Crushed tuff column experiments
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
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

<b>ACTIVITY NO.</b>	<b>ACTIVITY NAME</b>
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
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



<u>ACTIVITY NO.</u>	<u>ACTIVITY NAME</u>
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
8.3.1.8.1.2.1	Eruptive effects
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
8.3.1.8.5.2.1	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
8.3.1.9.2.2.1	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

<b>ACTIVITY NO.</b>	<b>ACTIVITY NAME</b>
8.3.1.14.2.1.2	Preliminary and detailed exploration
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
8.3.1.15.1.1.1	Density and porosity 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
8.3.1.15.1.4	Laboratory determination of the mechanical properties of fractures
8.3.1.15.1.7.1	Plate loading tests
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

**ACTIVITY NO.****ACTIVITY NAME**

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- 8.3.1.17.3.3.2 Select or develop empirical models for ground motion from underground nuclear explosions
- 8.3.1.17.3.5.1 Identify controlling seismic events
- 8.3.1.17.3.5.2 Characterize ground motion from the controlling seismic events
- 8.3.1.17.3.6.2 Evaluate ground motion probabilities
- 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
  - 8.3.1.17.4.3.1 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
    - 8.3.1.17.4.4.1 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
  - 8.3.1.17.4.6.1 Evaluate Quaternary geology and potential Quaternary faults at Yucca Mountain

<b>ACTIVITY NO.</b>	<b>ACTIVITY NAME</b>
8.3.1.17.4.6.2	Evaluate age and recurrence of movement on suspected and known Quaternary faults
8.3.1.17.4.7.1	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
8.3.1.17.4.8.1	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
8.3.1.17.4.9.1	Evaluate age and extent of tectonically stable areas at and near Yucca Mountain
8.3.1.17.4.10.1	Relevel base-station network, Yucca Mountain and vicinity
8.3.1.17.4.10.3	Analyze existing releveling data, Yucca Mountain and vicinity
8.3.1.17.4.12.1	Evaluate tectonic processes and tectonic stability at the site
8.3.2.4.1.1	Design activity to verify access and drift usability

<u>ACTIVITY NO.</u>	<u>ACTIVITY NAME</u>
8.3.5.4.1.1	Refinement of site data parameters required for Issue 2.2
8.3.5.12.1.1	Application of results
8.3.5.10.2.1	Characterization of the spent fuel waste form
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
8.3.5.12.2.1	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

### GEOLOGIC AND ENGINEERING MATERIALS: BIBLIOGRAPHY OF CHEMICAL SPECIES (GEMBOCHS) SPECIES AND DATA TYPES

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#### COMPOSITIONAL DATA FOR MINERALS, GASES, OR AQUEOUS SPECIES

Elemental Composition  
Common Name

#### REACTION DATA FOR AQUEOUS DISSOCIATION OF MINERALS, GASES, OR AQUEOUS SPECIES

Reaction Stoichiometry  
Equilibrium Constants  
Pressure, Temperature Conditions  
Standard Molal Gibbs Free Energies of Reaction  
Standard Molal Enthalpies of Reaction  
Standard Molal Entropies of Reaction  
Standard Molal Volumes of Reaction  
Standard Molal Heat Capacities of Reaction  
Parameter Units  
Literature References

#### THERMODYNAMIC DATA FOR MINERALS

Standard Molal Gibbs Free Energy of Formation  
Standard Molal Enthalpy of Formation  
Standard Molal Entropy at Reference Pressure (Pr) and Temperature (Tr)  
Standard Molal Volume at Pr, Tr  
Standard Molal Heat Capacity at Pr, Tr  
Molecular Weight  
Heat Capacity Coefficients  
Temperature Limits on Heat Capacity Coefficients  
Standard Molal Enthalpy of Transition  
Standard Molal Entropy of Transition  
Standard Molal Volume of Transition  
Clapeyron Slope  
Parameter Units  
Literature References

### THERMODYNAMIC DATA FOR GASES

Standard Molal Gibbs Free Energy of Formation  
Standard Molal Enthalpy of Formation  
Standard Molal Entropy at Pr, Tr  
Standard Molal Volume at Pr, Tr  
Standard Molal Heat Capacity at Pr, Tr  
Molecular Weight  
Heat Capacity Coefficients  
Temperature Limits on Heat Capacity Coefficients  
Parameter Units  
Literature References

### THERMODYNAMIC DATA FOR AQUEOUS SPECIES

Standard Molal Gibbs Free Energy of Formation  
Standard Molal Enthalpy of Formation  
Standard Molal Entropy at Pr, Tr  
Standard Molal Volume at Pr, Tr  
Standard Molal Heat Capacity at Pr, Tr  
Molecular Weight  
Equation-of-State Coefficients  
Debye-Huckel Parameters  
Ionic Charge  
Electronic Entropy  
Parameter Units  
Literature References

## APPENDIX C

### GEMBOCHS MODIFICATIONS AND ADDITIONS: 4th QUARTER, FY 1993

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During the fourth quarter of FY 1993, equilibrium-constant and reaction-enthalpy data from the CHEMVAL-II data base (approximately 100 species) were added to GEMBOCHS as an internally distinct dataset. This standardized data base was needed for a set of EQ3/6 calculations to be performed in support of the CHEMVAL-II verification tests, which were aimed at establishing the mutual agreement of several different speciation/mass transfer codes when applied to a set of relevant geochemical problems. In addition, a modified version of the GEMBOCHS program JEWEL was created. This modification to JEWEL facilitated generation of a CHEMVAL-II thermodynamic data file, which was used with EQ3/6 during the verification tests.



APPENDIX D

GENISES ADDITIONS: 4th QUARTER, FY 1993

<u>DATA TRACKING NO.</u>	<u>DATA ITEM DESCRIPTION</u>
LA0000000000012.002	MEASURED SOLUBILITIES AND SPECIATIONS OF NEPTUNIUM, PLUTONIUM, AND AMERICIUM IN TYPICAL GROUND WATER (J-13) FROM YUCCA MOUNTAIN REGION (LA-12562-MS)