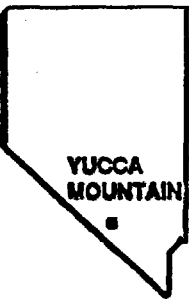


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U.S. DEPARTMENT OF ENERGY

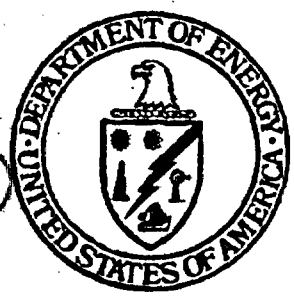
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**YUCCA MOUNTAIN
SITE CHARACTERIZATION
PROJECT**

**YUCCA MOUNTAIN
SITE CHARACTERIZATION PROJECT**

**TECHNICAL DATA
CATALOG**



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SEPTEMBER 30, 1993

UNITED STATES DEPARTMENT OF ENERGY

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PDR WASTE
WM-11 PDR

**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⁽⁸⁾ 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.

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DESIGN PLAN

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 REPOSITORY HORIZON. (SEE SAND 92-0449 FOR MORE DETAIL.)

ACQN/DEVL LOCATION : SNL

ENVIRONMENTAL MONITORING AND MITIGATION PLAN

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL 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				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F Y P E	Q U A L I T Y P E D
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					

ENVIRONMENTAL MONITORING AND MITIGATION PLAN

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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			

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ENVIRONMENTAL MONITORING AND MITIGATION PLAN

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	
TM0000000000001.018	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
**TM0000000000001.021	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
TM0000000000001.022	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
TM0000000000001.023	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

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METEOROLOGICAL MONITORING PLAN

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

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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			

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 ^{1/2} . PARTICLE DENSITY WAS ALSO DETERMINED USING A HELIUM PYCNOMETER.	A N C
	ACQN/DEVL LOCATION : USGS HRF, NTS AREA 25, MERCURY, NV			
SNL19011590002.001	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 I THRU V).	A N C
	ACQN/DEVL LOCATION : SNL			

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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	YMP EP-0031, REV 0: "UNSATURATED FLOW AND TRANSPORT EXPERIMENTS"	A N C

ACQN/DEVL LOCATION : SNL

PERFORMANCE ASSESSMENT MANAGEMENT PLAN

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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				
*SNL19011590003.001	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				
SNSAND84107600.000	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				

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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

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM0000000000001.019	RADON MONITORING DATA REPORT (TERREDEX) FIRST QUARTER OF 1989. ACQN/DEVL LOCATION : RMP LOCATION 6,1-5	01/01/89-04/01/89	SEE APPLICABLE BTP-ER'S IN FORCE DURING THE PERIOD.	A N C
TM0000000000001.020	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 N C
TM0000000001987.001	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 N 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 T&MSS WORK INSTRUCTIONS WI-RM-901, WI-RM-902, WI-RM-903, AND WI-RM-905.	A Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM000000001991.002	ENVIRONMENTAL THERMOLUMINESCENT DOSIMETER (TLD) DATA FOR SECOND QUARTER 1991. ACQN/DEVL LOCATION : RFPD NEAR AND FAR FIELD MONITORING SITES	03/29/91-06/27/91	TLD DATA ACQUIRED PER T&MSS 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. ACQN/DEVL LOCATION : RFPD NEAR AND FAR FIELD MONITORING SITES	06/24/91-10/30/91	TLD DATA ACQUIRED PER T&MSS 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. ACQN/DEVL LOCATION : RFPD NEAR AND FAR FIELD MONITORING SITES	09/27/91-01/24/92	TLD DATA ACQUIRED PER T&MSS 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 ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	01/18/91-03/05/91	EPERM DATA ACQUIRED PER T&MSS WORK INSTRUCTION WI-RM-770.	A Y C
TM000000001991.006	EPERM DATA FOR MARCH 1991. ACQN/DEVL LOCATION : RFPD NEAR FIELD MONITORING SITES	03/05/91-04/08/91	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	T D I F I T Y P E D	Q U A L I T Y P E D	L O C A T I O N
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 DATA 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 T&MSS 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 T&MSS 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 T&MSS 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 N 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 UZ-16 (UE-25UZ#16)	07/11/92-09/03/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C
	ACQN/DEVL LOCATION : TELEDYNE ISOTOPE OF WESTWOOD, N.J.			

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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 T&MSS 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 T&MSS 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 ISOTOPE 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 UZ16. SAMPLES GATHERED BETWEEN 10/2/91 AND 12/16/91. ACQN/DEVL LOCATION : TELEDYNE ISOTOPE OF WESTWOOD, NJ.	03/18/92-07/28/92	RADIOCHEMICAL ANALYSIS PERFORMED BY VENDOR.	A Y C
TM000000001992.020	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 ISOTOPE 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 ISOTOPE 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	PO-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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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 MOUNTIAN 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)				

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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			
TM00121362T1DA.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. A1, 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			

SITE CHARACTERIZATION PLAN BASELINE

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 : 743968N(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)				

SITE CHARACTERIZATION PLAN BASELINE

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: ISOHYETAL 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'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			
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	T D I F I T Y P E E	Q U A L I T Y P E D
GS921108312121.001	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 PYGMY 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				
GS910308312122.001	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			
GS910908312122.002	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			
GS910908312122.003	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			
GS910908312122.004	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	
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

SITE CHARACTERIZATION PLAN BASELINE

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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930108312132.001	HYDROLOGY OF YUCCA MOUNTAIN AND VICINITY, NEVADA - CALIFORNIA: INVESTIGATIVE RESULTS THROUGH MID-1983, BY R.K. WADDELL, J.H. ROBISON, & R.K. BLANKENNAGEL.	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				
GS930408312132.005	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				
GS930408312132.006	HYDROLOGIC FRAMEWORK OF THE YUCCA MOUNTAIN AREA, NEVADA, BY W.W. DUDLEY, W.E. WILSON AND D.T. HOXIE.	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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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, R.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. 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			
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	
GS910408312134.005	SENSITIVITY ANALYSES FOR UNSATURATED ZONE FLOW MODEL OF FRANKLIN LAKE PLAYA (1 DIMENSIONAL) . 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
GS910408312134.006	MOISTURE CONTENT 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
GS920308312134.001	HYDROCHEMICAL DATA FROM WELL FL OBTAINED WITH A MULTILEVEL SAMPLER AT FRANKLIN LAKE PLAYA, INYO COUNTY, CALIFORNIA ACQN/DEVL LOCATION : 36 16'00"N 116 23'00"W	06/21/89-12/31/89	HYDROCHEMICAL OF WELL WATER FROM WELL FL USING AN INSITU MULTILEVEL SAMPLER DEPLOYED FOR PERIODS OF EIGHT DAYS AND THIRTY DAYS. WELL WAS ALSO BAILED. SEE USGS-HP-200 FOR DESCRIPTION OF METHODS.	D N P
GS930408312134.001	LATE-WISCONSIN PALEOHYDROLOGY OF THE WEST-CENTRAL AMARGOSA DESERT, NEVADA, U.S.A., BY HANS C. CLAASEN. ACQN/DEVL LOCATION : USGS, DENVER, CO	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

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.1.4.1				
**GS910408312141.001	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			
GS930508312141.001	A CONCEPTUAL MODEL FOR THE UNSATURATED-ZONE HYDROGEOLOGIC SYSTEM, YUCCA MOUNTAIN, NEVADA BY D.T. HOXIE	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				
GS930408312142.001	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 BRUCKHEIMER	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 HRF, NTS AREA 25, MERCURY				

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GS920808314213.003	ASSESSMENT OF GEOPHYSICAL LOGS FROM BOREHOLE USW G-2, WITH RECOMMENDATIONS FOR FUTURE LOGGING AT YUCCA MTN., NV, BY P.H. NELSON AND ULRICH SCHIMSCHAL.	01/06/92-06/30/92	ASSESSMENT OF CURRENT LOGGING TECHNOLOGY IN ORDER TO SPECIFY THE KINDS OF LOGS AND, IF APPROPRIATE, THE SUPPLIERS AND MODELS OF LOGGING TOOLS TO BE USED IN FUTURE LOGGING.	D 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 1188-71; 2) STANDARD TEST METHOD FOR SPECIFIC GRAVITY OF SOILS, ANSI ASTM D 854-58	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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. KOHM, 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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/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
ACQN/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				
UE25 UZN-2				
UE25 UZN-20				
UE25 UZN-21				
UE25 UZN-22				
UE25 UZN-23				
UE25 UZN-28				
UE25 UZN-29				
UE25 UZN-3				
UE25 UZN-30				
UE25 UZN-4				
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				
UE29 UZN-92				
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USW UZ-N25				
USW UZ-N26				
USW UZ-N40				

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	USW UZ-N41		
	USW UZ-N42		
	USW UZ-N43		
	USW UZ-N44		
	USW UZ-N45		
	USW UZ-N46		
	USW UZ-N47		
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	USW UZ-N66		
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	USW UZ-N90		
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	USW UZ-N94		
	USW UZ-N95		
	USW UZ-N96		
	USW UZ-N98		

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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 L I A O F L C I A T F T I P E O N
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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920508312231.012	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			
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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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
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 1188-71; 2) STANDARD TEST METHOD FOR SPECIFIC GRAVITY OF SOILS, ANSI ASTM D 854-58	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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.			
GS921208312212.005	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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
	USW UZN-40		
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	USW UZN-42		
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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
	USW UZN-96 USW UZN-98		
GS921208312212.006	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 CPN 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		
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	UE-25 UZN #56		
	UE-25 UZN #6		
	UE-25 UZN #60		
	UE-25 UZN #7		
	UE-25 UZN #8		
	UE-25 UZN #9		
	USW UZ-N40		
	USW UZ-N41		
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	USW UZ-N43		
	USW UZ-N44		
	USW UZ-N45		
	USW UZ-N46		

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	USW 02-N47		
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	USW 02-N51		
	USW 02-N52		
	USW 02-N65		
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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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 CPN 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 CORE SAMPLES USING HP-229,R0, AND HP-62,R6. CORE SAMPLE DATA FROM GS920508312231.010.	D N P
ACQN/DEVL LOCATION : HRF, AREA 25, MERCURY, NV.				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930108312212.004	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				
GS930108312212.005	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 ^{1/2} .	A N P
ACQN/DEVL LOCATION : GTUF, NTS USGS HRF, NTS AREA 25, MERCURY, NV				
Activity - 8.3.1.2.2.2.1				
*LA000000000062.001	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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*LA000000000062.002	HALIDE AND CHLORINE-36 ANALYSES OF CUTTINGS FROM BOREHOLE USW UZ-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 UZ-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 UZ-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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*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 FITS 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	
*LA000000000065.001	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				
GS920108312231.001	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				
GS920108312231.002	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	
GS920108312231.003	<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
GS920108312231.004	<p>ANALYSES FOR LABORATORY MEASUREMENTS OF CORE PHYSICAL AND HYDROLOGIC FLOW PROPERTIES FOR VARIOUS WELLS IN NYE COUNTY. TEST INCLUDE: KLINKENBERG PERMEABILITY, AIR-BRINE POROUS-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	T D I F I Y P E E	Q U L A C A T I O N
GS920108312231.005	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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	TOPOPAH CAPROCK HORIZONTAL TRANSECT UZ6 VERTICAL TRANSECT YUCCA CREST HORIZONTAL TRANSECT			
GS920508312231.011	USW GU-3 CORE ANALYSES. RESULTS FROM 69 SAMPLES FROM TOPOPAH SPRING SHARDY BASE (1263.8 FT.) TO PROW PASS PARTIALLY WELDED (1883.5 FT.), WITH MEASUREMENTS OF POROSITY, BULK DENSITY, PARTICLE DENSITY, SORPTIVITY AND SATURATED CONDUCTIVITY.	09/01/91-02/28/92	BULK DENSITY IS ARCHIMEDE'S METHOD, POROSITY USING SATURATION, PARTICLE DENSITY CALCULATED FROM ABOVE, SATURATED HYDRAULIC CONDUCTIVITY IS STEADY STATE, AND SORPTIVITY IS CALCULATED FROM IMBIBITION MEASUREMENTS. ALL CALCULATIONS DONE USING RELATIVE HUMIDITY OVEN DRY WEIGHTS.	A Y P
	ACQN/DEVL LOCATION : USW GU-3			
GS920508312231.013	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 UZ6 VERTICAL TRANSECT YUCCA CREST HORIZONTAL TRANSECT			

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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	02/01/92-11/13/92	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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
GS930508312231.002	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			
GS930608312231.003	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 USW 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 PAPADOPULOS, 1965. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.
ACQN/DEVL LOCATION : USGS, DENVER, CO			

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*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 (KHARAKA 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.	03/19/91-08/01/91	COLLECTED USING THMCAL VERSION 1.006 SOFTWARE. YMP-USGS/NHP0045.01	A Y P
ACQN/DEVL LOCATION : HYDROLOGY RESEARCH FACILITY, AREA 25, NTS.				
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.	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
ACQN/DEVL LOCATION : HYDROLOGIC RESEARCH FACILITY, AREA 25, NTS				
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, 397970, 391972, 391974.	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
ACQN/DEVL LOCATION : HYDROLOGIC RESEARCH FACILITY, AREA 25, NTS				

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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 NAC1 SOLUTIONS AND MEASURING VOLTAGE.	A Y P

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GS920208312231.007	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			
GS920208312231.008	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			
GS920208312231.009	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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920808312232.001	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			

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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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930108312232.007	"ILLUMINATION ANGLE DETERMINATION AND ITS APPLICATION TO PRESTACK MIGRATION OF P/S CONVERTED WAVES ON PHYSICAL ELASTIC MODEL DATA", BY CEMAL ERDEMIR. ACQN/DEVL LOCATION : COLO. SCHOOL OF MINES, GOLDEN, CO	01/01/90-06/26/92	COMPUTER MODELING INCLUDING TRACING, STACKING.	D N C
GS930208312232.008	CALCULATED SORPTIVITY VALUES FROM EXPERIMENTAL IMBIBITION DATA USING PHILIP'S SORPTIVITY EQUATION. ACQN/DEVL LOCATION : USGS HRF, NTS AREA 25, MERCURY, NV	07/12/89-01/30/90	USING PHILIP'S SORPTIVITY EQUATION WHERE IMBIBITION (INFILTRATION) = S (SORPTIVITY) * TIME ^{1/2} . S IS CALCULATED USING EXPERIMENTAL IMBIBITION DATA.	D N P
GS930208312232.009	LITHOLOGIC CONTACT DATA FROM BOREHOLE USW UZ-6S. ACQN/DEVL LOCATION : 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.	A N P
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 CO2 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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930608312232.014	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				
GS930608312232.015	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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930608312232.016	DRILLING AND GEOHYDROLOGIC DATA FOR TEST HOLE USW UZ-1, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY M.S. WHITFIELD, W. THORDARSON, AND D.P. HAMMERMEISTER. ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/89-06/05/90	DESCRIPTION & INTERPRETATION OF GEOHYDROLOGIC DATA.	D N P
*GS930708312232.017	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, R0, METHOD FOR MONITORING MOISTURE CONTENT OF DRILL-BIT CUTTINGS FROM THE UNSATURATED ZONE.	A N C
*GS930708312232.018	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
*GS930708312232.019	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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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 E	L O C A T I O N
*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, DIRECTIONAL 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 @ THIS SUBMITTAL DATE.	A	N	C
	ACQN/DEVL LOCATION : USW UZ-6					
*GS930708312232.022	PERMEABILITY AND PORE-FLUID CHEMISTRY OF THE TOPOPAH 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, R1, 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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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	05/03/89-08/18/89	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
GS930508312261.004	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
GS930508312261.005	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 - 8.3.1.2.2.7.1				
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

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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 N
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 OUTLINED 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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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	T D I F I Y P E D
GS930408312271.012	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. ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS	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
GS930408312271.013	FIELD PUMPING DATA SHEETS DOCUMENTING PUMPING TIMES, FLOW RATES, SAMPLE COLLECTION, TUBING ADVANCES, FOR USW UZ-1 MAY, 1989 THRU JAN., 1991. ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS USW UZ-1	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
GS930408312271.014	GAS CHROMATOGRAPH ANALYSIS OF GAS CONCENTRATIONS OF SYRINGE SAMPLES TAKEN DURING USW UZ-1 BOREHOLE GAS SAMPLING, MAY, 1989, THRU JAN., 1991. ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS	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

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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 AQUISITION 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	T D I F I Y P E D	Q U L A O L C A T I O N
GS930408312271.019	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
GS930408312271.020	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
GS930508312271.021	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. 12CO2 AND 14CO2 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 - 8.3.1.2.2.7.2				
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 DRY-CORING. SAMPLES WERE SUBJECTED TO SEALING AND TEMPERATURE CONTROL IN TRANSPORT; SUBJECTED TO TRIAXIAL COMPRESSION OR HIGH-SPEED CENTIFUGATION, 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 UZP5, BOREHOLE UE-25 UZ #4, AND G-TUNNEL. ACQN/DEVL LOCATION : G-TUNNEL UE-25 UZ #4 UZP5, 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	T D I F T Y P E D	Q U L I A O L C I A T I O N
GS920508312272.004	DATA FROM BOREHOLE USW UZ-6S SAMPLE COLLECTION. DATA INCLUDES RECORDS OF COLLECTIONS BY DISTILLATION, COMPRESSION, CENTRIFUGATION. ACQN/DEVL LOCATION : USW UZ 6-S	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
GS920508312272.006	RAW DATA FROM BOREHOLE UZP5 SAMPLE COLLECTION. DATA INCLUDES RECORDS OF COLLECTIONS BY DISTILLATION, COMPRESSION, CENTRIFUGATION. ACQN/DEVL LOCATION : UZP5, ALTS, AZ	05/15/90-09/30/91	DOCUMENT METHOD (COMPRESSION, DISTILLATION,OR CENTRIFUGATION) USED TO OBTAIN WATER SAMPLES FOR ANALYSES.	A	N P
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. ACQN/DEVL LOCATION : G-TUNNEL UE-25 UZ #4 UZP5, ALTS, AZ	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
GS920508312272.012	DATA FROM CHEMICAL ANALYSES OF WATER SAMPLES COLLECTED BY DISTILLATION, COMPRESSION, CENTRIFUGATION FROM BOREHOLE USW UZ-6S CORE. ACQN/DEVL LOCATION : HUFFMAN LABS, DENVER NWQL, USGS DENVER ROCKY MOUNTAIN ANALYTICAL LABS, DENVER	10/10/84-09/30/91	CHEMICAL ANALYSES OF WATER SAMPLES.	A	N P

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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, 1970, 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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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 E D N
*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 (ROSHOLT, 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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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				
*GS930708312281.001	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 - 8.3.1.2.2.9.1				
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	
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
GS930608312291.002	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
*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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*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 P
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.	D N C
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 & COREY (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 IHLRWM, (1992). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
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				
**GS900908312312.001	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				
**GS900908312312.002	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				
GS910208312312.003	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 A N P 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-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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
	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 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. ACQN/DEVL LOCATION : J-11 J-12 J-13 UE25 UZN-2 UE29A-1 UE29A-2	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.

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	USW G-4			
	USW H-1			
	USW H-3			
	USW WT-1			
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	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			
GS910508312312.005	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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS910508312312.006	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			
GS911008312312.008	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			
GS920108312312.001	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 SENSORS, 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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GS920208312312.003	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			
GS920208312312.004	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 USW G-3 USW H-1 USW H-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	
	USW WT-2			
GS920208312312.005	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-25 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	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".	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
	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			
GS920408312312.007	MANUAL WATER-LEVEL MEASUREMENT DATA COLLECTED AT WELLS ON OR NEAR YUCCA MOUNTAIN, NEVADA. FROM PERIODIC LOGBOOK 1992.	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
	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			

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	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			
GS920508312312.008	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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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			
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	UE-25 WT #4			
	UE-25 WT #6			
	UE-25B #1			
	UE-25C #1			
	UE-25C #2			
	UE-25C #3			
	UE-25P #1			
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	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,R0, 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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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				
USW H-4				
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	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. ACQN/DEVL LOCATION : USGS, DENVER	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.	
GS920808312312.015	TRANSDUCER CALIBRATION DATA FROM WELLS IN THE YUCCA MOUNTAIN AREA. 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	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	A Y P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I Y P E	Q U A L I T Y I N D E X
GS920808312312.016	TRANSDUCER CALIBRATION REGRESSION EQUATIONS. ACQN/DEVL LOCATION : USGS	08/19/92-08/21/92	REGRESSION ANALYSES PERFORMED USING STANDARD STATISTICAL ANALYSES	D	Y C
GS920808312312.017	TRANSDUCER OUTPUT DATA FROM WELLS IN THE YUCCA MOUNTAIN AREA SHOWING RESPONSE TO EARTHQUAKES ON JUNE 28 AND JUNE 30, 1992 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	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

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
GS921008312312.018	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.
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 VH-1			

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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				
GS921008312312.020	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				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS921008312312.021	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
GS921008312312.022	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
GS921108312312.023	INFORMATION REGARDING THE USE OF DATA-COLLECTION PLATFORMS TO COLLECT WATER-LEVEL DATA IN LIEU OF USING 21X 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 A Y P 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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
GS930108312132.001	HYDROLOGY OF YUCCA MOUNTAIN AND VICINITY, NEVADA - CALIFORNIA: INVESTIGATIVE RESULTS THROUGH MID-1983, BY R.K. WADDELL, J.H. ROBISON, & R.K. BLANKENNAGEL.	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.
ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930108312312.001	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 A Y P 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.
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			
USW H-3			

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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		
GS930108312312.002	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.
GS930108312312.003	"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.
GS930208312312.004	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,R2 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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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			
GS930308312312.005	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 P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930308312312.006	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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930308312312.007	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
GS930308312312.008	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
GS930308312312.009	"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
GS930308312312.011	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

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930408312312.012	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				
UE-25 WT #14				
UE-25 WT #15				
UE-25 WT #16				
UE-25 WT #17				
UE-25 WT #18				
UE-25 WT #4				
UE-25 WT #6				
UE-25B #1				
UE-29 UZN #91				
UE-29A #1				
UE-29A #2				
UE-5N				
USW G-2				
USW H-1				
USW H-3				
USW H-4				
USW H-5				
USW UZ-16				
USW VH-1				
USW WT-1				
USW WT-10				
USW WT-11				
USW WT-7				
WATER WELL J-13				

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930408312312.013	RAW CALIBRATION DATA FROM UE-25P #1 AND UE-25 WT #13, FIRST QUARTER 1993 ONLY.	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
	ACQN/DEVL LOCATION : UE-25 WT #13 UE-25P #1			
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.	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
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
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.	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
	ACQN/DEVL LOCATION : USW H-5 USW H-6			
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.	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
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930708312312.018	ANALYSIS OF THE FREQUENCY RESPONSE OF WATER LEVELS IN WELLS TO EARTH TIDES AND ATMOSPHERIC LOADING, BY DEVIN GALLOWAY AND STUART ROJSTACZER	01/01/88-11/22/88	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 PIERSOL, 1986, RANDOM DATA ANALYSIS AND MEASUREMENT PROCEDURE). COMPLETE BIBLIOGRAPHIC CITATIONS ARE FOUND IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
*GS930708312312.019	SECOND QUARTER 1993 PERIODIC LOGBOOK.	04/01/93-06/30/93	MANUAL WATER-LEVEL DATA COLLECTED EITHER WITH A REELED 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				
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-25B#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	
GS911108312313.008	MONITORING OF WATER-LEVEL RESPONSE TO A UNE 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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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	
GS930308312313.002	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 HYDROLOGIC 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			
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.			
GS930408312313.003	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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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. RUSH, 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.B. 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	
**GS920408312314.008	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 : USGS, DENVER, CO	01/01/84-01/01/85	TEST DRILLING, HYDRAULIC TESTING AND CHEMICAL ANALYSES.	D N T
GS920408312314.009	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
GS920408312314.010	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
**GS920408312314.011	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			
*LA000000000058.001	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			
*LA000000000059.001	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			
GS910608312321.001	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.	03/26/71-07/06/84	USGS STANDARD COLLECTION METHODS	A N P
	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			
GS920408312321.002	FLOWMETER (TRACEJECTOR) SURVEY ON TEST WELLS IN PERMEABLE ZONES IN YUCCA MOUNTAIN AREA.	10/17/80-10/15/82	USGS STANDARD COLLECTION METHODS	A N P
	ACQN/DEVL LOCATION : UE-25B#1 USW G-4 USW H-1 USW H-4 USW H-5 USW H-6			

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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 - 1984, BY L.V. BENSON AND P.W. MCKINLEY. ACQN/DEVL LOCATION : USGS, DENVER, CO	03/26/71-12/31/85	USGS STANDARD METHODS	D N P
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 ACQN/DEVL LOCATION : USGS, DENVER	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
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. ACQN/DEVL LOCATION : USGS, DENVER, CO	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
**GS930508312322.001	SOURCES AND MECHANISMS OF RECHARGE FOR GROUND WATER IN THE WEST-CENTRAL AMARGOSA DESERT, NEVADA - A GEOCHEMICAL INTERPRETATION, BY HANS C. CLAASSEN ACQN/DEVL LOCATION : USGS, DENVER, CO	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

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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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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				
GS930508312323.002	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 - 8.3.1.2.3.3.1				
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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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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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, FORTYMILE 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#1H, 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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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-25H#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	
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	
LA000000000018.001	REVISED MINERALOGIC SUMMARY OF YMP ACQN/DEVL LOCATION : LANL	09/01/81-11/01/88	X-RAY DIFFRACTION	D N T
LA000000000025.001	CALCITE DEPOSITS IN FRACTURES AT YUCCA MOUNTAIN MOUNTAIN NEVADA ACQN/DEVL LOCATION : LANL	12/06/90-10/28/92	PETROGRAPHY (TWS-EES-DP-03,R3) MICROPROBE (LANL-EES-DO-07,R4) AND INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS (WASHINGTON UNIVERSITY)	A Y P
LA000000000041.001	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
LA000000000050.001	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	DATA 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	T D I F I Y P E D
Activity - 8.3.1.3.2.1.3				
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	
*LA000000000061.001	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
*LA000000000069.001	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				
LA000000000016.001	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
LA000000000016.002	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
LA000000000022.001	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	
LA000000000023.001	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				
**LA000000000023.002	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				
LA000000000024.001	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	
LA000000000036.001	WORKING PAPER ON CALICITE-SILICA DEPOSITS IN TRENCH 14 AND BUSTED BUTTE.	11/01/84-05/08/92	INSTRUMENTAL NEUTRON ACTIVATION ANALYSES AND QUANTITATIVE X-RAY DIFFRACTION ANALYSES.	A 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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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				
*LA0000000000051.001	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				
*LA0000000000052.001	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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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	T D I F I Y P E	Q U A L I T Y I P E
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 COUNTS	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 ACQN/DEVL LOCATION : LBL	10/01/85-09/30/91	THERMODYNAMIC DATA DETERMINED BY SOLUBILITY MEASUREMENT FROM OVERSATURATION	A Y P
LA000000000012.002	MEASURED SOLUBILITIES AND SPECIATIONS OF NEPTUNIUM, PLUTONIUM, AND AMERICIUM IN A TYPICAL GROUNDWATER (J-13) FROM THE YUCCA MOUNTAIN REGION ACQN/DEVL LOCATION : LBL	10/01/91-08/24/92	THERMODYNAMIC DATA DETERMINED BY SOLUBILITY MEASUREMENTS FROM OVERSATURATION	D Y T
LA000000000053.001	ACTINIDE (IV) AND ACTINIDE (VI) CARBONATE SPECIATION STUDIES BY PAS AND NMR SPECTROSCOPIES. ACQN/DEVL LOCATION : LANL	07/09/90-01/07/93	PULSED-LASER PHOTOACOUSTIC SPECTROSCOPY (PAS) AND FOURIER-TRANSFORM NUCLEAR MAGNETIC RESONANCE (NMR) SPECTROSCOPY HAVE BEEN EMPLOYED TO STUDY THE SPECIATION OF ACTINIDE (IV) AND (VI) IONS.	D Y C

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.3.6.1.1				
**LA0000000000005.001	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				
**LA0000000000006.001	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				
**LA0000000000008.001	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				
**LA0000000000009.001	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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**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 A N P 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 A N P 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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LA000000000034.002	DIFFUSION OF SORBING AND NON-SORBING RADIONUCLIDES. ACQN/DEVL LOCATION : LANL Activity - 8.3.1.3.6.2.2	11/25/91-03/25/92	DIFFUSION MEASUREMENTS IN ROCK BEAKERS.	D Y C
**LA000000000007.001	DIFFUSION OF NONSORBING TRACERS IN YUCCA MOUNTAIN TUFF. ACQN/DEVL LOCATION : LANL Activity - 8.3.1.4.2.1	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
**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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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.	01/01/88-12/29/88	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 PAINTBRUSH 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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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. CHORNACK 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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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, GEOLOGIC 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. SPENGLER, 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 DATA, 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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GS930508314211.019	STOP 11: GEOLOGIC FEATURES AT FRAN 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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GS930608314211.022	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
*GS930708312232.020	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 N C
*GS930708314211.024	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
*GS930708314211.025	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	
*GS930708314211.026	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				
GS900908314212.001	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			
GS900908314212.003	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	ACQN/DEVL 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			
GS900908314212.006	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 PAGANY WASH SEVER WASH TEACUP WASH USGS YUCCA WASH			
**GS900908314212.008	INTERPRETATION OF TIME-DOMAIN ELECTROMAGNETIC SOUNDINGS IN THE CALICO HILLS AREA, NEVADA TEST SITE, NEVADA, BY JAMES KAUAHIKAUA.	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	
GS900908314212.009	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
GS900908314212.010	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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS900908314212.011	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
GS900908314212.012	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
GS900908314212.013	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
GS900908314212.014	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. SCHOENTHALER.	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
ACQN/DEVL LOCATION : USGS, DENVER, CO				
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.	01/01/65-12/31/79	USGS STANDARD TEST METHODS.	D N P
ACQN/DEVL LOCATION : USGS				
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.	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
ACQN/DEVL LOCATION : 36 37'05"N 115 52'05"W ; 37 22'05"N 116 37'05"W				

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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 PRECESSION 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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920608314212.008	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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I T Y P E D N
GS921208314212.015	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
GS930108314212.002	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	
GS930108314212.004	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	T D I F I T Y P E D	Q U A L I T Y P E D
GS930508314211.013	SEARCH FOR POTENTIAL SITES, BY G.L. DIXON AND V.M. GLANZMAN -- 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 AND GEOPHYSICAL STUDIES INCLUDING STRATIGRAPHIC, PETROGRAPHIC, PALEOMAGNETIC, ELECTROMAGNETIC, SEISMIC, GRAVITY AND TEMPERATURE STUDIES/LOGS.	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
GS930608314212.008	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 ACQN/DEVL LOCATION : USGS, DENVER, CO	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

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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. ZABLOCKI. 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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS900908314213.003	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			
GS900908314213.005	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			
GS900908314213.006	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.J. 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	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
GS900908314213.011	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 ACQN/DEVL LOCATION : USGS	06/01/78-06/30/78	ANLYSIS UNDERTAKEN TO DETERMINE THE FACTORS RESPONSIBLE FOR THE VARIATIONS IN MAGNETIC SUSCEPTIBILITY MEASUREMENTS FROM THE BOREHOLE.	D N P
**GS911008314213.009	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.. ACQN/DEVL LOCATION : UE25A-4 UE25A-5 UE25A-6 UE25A-7 UE25P#1	02/01/82-06/30/84	USGS STANDARD COLLECTION METHODS	A N C
GS911008314213.010	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. ACQN/DEVL LOCATION : USW G-3 USW G-4 USW GU-3	01/01/84-03/31/86	USGS STANDARD COLLECTION METHODS	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920108314213.001	<p>GEOPHYSICAL LOGS AND CORE MEASUREMENTS FROM FORTY BOREHOLES AT YUCCA MOUNTAIN, BY PHILLIP H. NELSON, DOUGLAS C. MULLER, ULRICH SCHIMSCHAL, AND JOYCE KIBLER</p> <p>ACQN/DEVL LOCATION : J-13</p> <p>UE-25A #1 UE-25A #6 UE-25A #7 UE-25B #1 UE-25C #1 UE-25C #2 UE-25C #3 UE-25P #1 UE-25WT #12 UE-25WT #13 UE-25WT #14 UE-25WT #15 UE-25WT #16 UE-25WT #17 UE-25WT #18 UE-25WT #3 UE-25WT #4 UE-25WT #6 USW G-1 USW G-2 USW G-4 USW GU-3 USW H-1 USW H-3 USW H-4 USW H-5 USW H-6 USW UZ-1 USW UZ-6 USW VH-1 USW VH-2 USW WT-1 USW WT-10 USW WT-11 USW WT-2 USW WT-7</p>	01/01/78-12/31/84	USGS STANDARD COLLECTION METHODS	A N C

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GS920608314213.002	PHYSICAL PROPERTIES OF ASH FLOW TUFF FROM YUCCA MOUNTAIN, NEVADA, PUBLISHED REPORT BY PHILIP H. NELSON AND LENNART 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 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				
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 OBERT, 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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930708314213.001	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 SHEER MODULI. GEOPHYSICAL LOGS WERE RUN FOR GEOLOGIC CORRELATIONS AND LITHOLOGIC CHARACTERIZATIONS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930783114213.001	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 UZ-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 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. ACQN/DEVL LOCATION : USGS USW G-1 USW G-2 USW GU-3 USW VH-1 YUCCA MOUNTAIN VICINITY	01/01/80-12/31/83	USGS STANDARD METHODS.	D N P
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. ACQN/DEVL LOCATION : USGS, DENVER, CO	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
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 ACQN/DEVL LOCATION : USGS, DENVER, CO	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 APPELMAAN, D.E., AND EVANS, H.T., JR., 1973, NTIS DOCUMENT PB-216188. COMPLETE BIBLIOGRAPHIC CITATIONS ARE IN REPORT.	D N P

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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 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
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
ACQN/DEVL LOCATION : USGS, DENVER, CO					

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930508314214.005	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			
*GS930908314214.007	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 N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.4.2.1.5				
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. ACQN/DEVL LOCATION : USGS USW G-1 USW G-2 USW GU-3 USW VH-1 YUCCA MOUNTAIN VICINITY	01/01/80-12/31/83	USGS STANDARD METHODS.	D N P
GS900908314215.009	GEOLOGY OF SYNCLINE RIDGE AREA RELATED TO NUCLEAR WASTE DISPOSAL, NEVADA TEST SITE, NYE COUNTY, NEVADA, BY D.L. HOOVER & J.N. MORRISON. INVESTIGATION OF ARGILLITE IN UNIT J (MISSISSIPPIAN) OF THE ELEANA FORMATION (DEVONIAN AND MISSISSIPPIAN) AS A POSSIBLE REPOSITORY SITE. ACQN/DEVL LOCATION : USGS	01/01/76-12/31/78	USGS STANDARD METHODS. DRILL HOLES, GEOPHYSICAL SURVEYS, MAPPING AND LABORATORY STUDIES WERE USED IN THIS INVESTIGATION.	D N C
GS911108314215.009	MEASUREMENTS OF REMNANT MAGNETIZATION, RAW DATA. ACQN/DEVL LOCATION : 36 57'N 116 20'W	01/01/79-01/01/89	USGS STANDARD COLLECTION METHODS.	A N C

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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 ZIJDERVELD DIAGRAMS (ZIJDERVELD, 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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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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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.4.2.2				
**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				
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				

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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 I N D E X
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 PAVEMENTS, 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

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I T Y P E
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 ACQN/DEVL LOCATION : N762600 (N) E562000 (N) ; N763400 (N) E562600 (N)	07/18/92-09/30/92	GP-01, R2, GEOLOGIC MAPPING; AND GP-12, R1, MAPPING FRACTURES ON PAVEMENTS, OUTCROPS AND ALONG TRAVERSES.	A Y C
GS921208314221.007	GEOLOGIC MAPPING - REGULAR SEQUENCE OF OBSERVATIONS AT FIVE FOOT ALTITUDE INTERVALS ACQN/DEVL LOCATION : 36 53'30"N 116 23'30"W	12/01/92-12/03/92	GP-01, R2, GEOLOGIC MAPPING	A Y P
GS930108314221.001	STRUCTURAL CHARACTER OF THE GHOST DANCE FAULT, YUCCA MOUNTAIN, NEVADA, BY R.W. SPENGLER, C.A. BRAUN, R.M. LINDEN, I.G. MARTIN, D.M. ROSS-BROWN, AND R.L. BLACKBURN. ACQN/DEVL LOCATION : USGS, DENVER, CO	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.	D Y P
GS930108314221.004	X-RAY FLUORESCENCE VALUES ON MAJOR AND MINOR ELEMENTS; PAINTBRUSH CANYON REFERENCE SECTION; UE-25A #1 AND UE-25B-1H (UE-25B #1). ACQN/DEVL LOCATION : USGS, DENVER, CO	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.	A N P

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DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I T Y P E D
GS930108314221.005	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
GS930208314221.006	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
GS930208314221.007	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	
GS910908314222.001	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.	02/20/86-02/28/86	DATA COLLECTED UNDER NWM-USGS-GP-12, R0.	A N P
	ACQN/DEVL LOCATION : 36 52'03"N 116 27'22W			
GS910908314222.002	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 (TOPOPAH 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.	04/01/90-06/30/91	NWM-USGS-GP-12, R1 AND STUDY PLAN 8.3.1.4.2.2	A Y P
	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			

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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, R0	A N P
	ACQN/DEVL LOCATION : 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	T D I F I Y P E	Q U A L I T Y I E D
GS930408314222.004	<p>FRACTAL GEOMETRY OF THE TWO-DIMENSIONAL FRACTURE NETWORKS AT YUCCA MOUNTAIN (SIC), SOUTHWESTERN NEVADA, BY CHRISTOPHER C. BARTON AND ERIC LARSEN.</p> <p>ACQN/DEVL LOCATION : USGS, DENVER, CO</p>	01/01/84-01/01/85	<p>FRACTAL GEOMETRY (MANDELBROT, B.B., 1982, THE FRACTAL GEOMETRY OF NATURE), WAS APPLIED TO QUANTIFY SPATIAL AND TRACE LENGTH DISTRIBUTION. FRACTAL ANALYSIS METHOD, DESCRIBED IN REPORT, USED TO PLOT FRACTURE NETWORKS.</p>	D	N P
*GS930708314222.005	<p>BEDROCK GEOLOGIC MAP OF THE LONE MOUNTAIN PLUTON AREA, ESMERALDA COUNTY, NEVADA, BY FLORIAN MALDONADO.</p> <p>ACQN/DEVL LOCATION : USGS, DENVER, CO</p>	01/01/83-01/01/84	<p>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.</p>	D	N P
*GS930708315142.003	<p>PHYSICAL PROPERTIES AND RADIO-METRIC 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.</p> <p>ACQN/DEVL LOCATION : USGS, DENVER, CO</p>	01/01/87-07/01/88	<p>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.</p>	D	N P

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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	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
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			