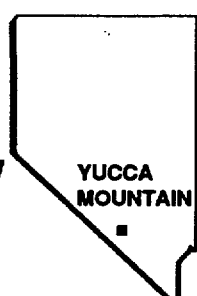


rec'd with letter dtd.

8/4/93

U.S. DEPARTMENT OF ENERGY

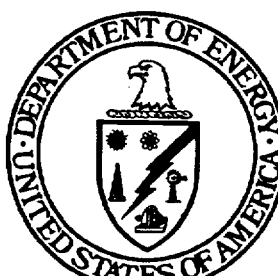
WM
WM
WM



**YUCCA MOUNTAIN
SITE CHARACTERIZATION
PROJECT**

**YUCCA MOUNTAIN
SITE CHARACTERIZATION PROJECT**

**TECHNICAL DATA
CATALOG
(QUARTERLY SUPPLEMENT)**



JUNE 30, 1993

UNITED STATES DEPARTMENT OF ENERGY

102.8

**YUCCA MOUNTAIN
SITE CHARACTERIZATION PROJECT**

**TECHNICAL DATA CATALOG
(QUARTERLY SUPPLEMENT)**

JUNE 30, 1993

Prepared by

Civilian Radioactive Waste Management System
Management and Operating Contractor
Yucca Mountain Site Characterization Project
101 Convention Center Drive
Las Vegas, NV 89109

TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
DESIGN PLAN	4
ENVIRONMENTAL MONITORING AND MITIGATION PLAN	5
METEOROLOGICAL MONITORING PLAN	7
PERFORMANCE ASSESSMENT MANAGEMENT PLAN	8
RADIOLOGICAL MONITORING PLAN	9
SITE CHARACTERIZATION PROGRAM BASELINE	10
SITE CHARACTERIZATION PROGRAM BASELINE-PROTOTYPE	94
SOCIOECONOMIC PLAN	95
 APPENDIX A: SITE CHARACTERIZATION PROGRAM BASELINE ACTIVITY NUMBERS AND NAMES	 A-1
APPENDIX B: GEOLOGIC AND ENGINEERING MATERIALS: BIBLIOGRAPHY OF CHEMICAL SPECIES (GEMBOCHS) SPECIES AND DATA TYPES.	 B-1
APPENDIX C: GEMBOCHS MODIFICATIONS AND ADDITIONS: 2ND QUARTER, 1993.	 C-1
APPENDIX D: GEOGRAPHIC NODAL INFORMATION STUDY AND EVALUATION SYSTEM (GENISES) DATA CATEGORIES, TYPES, AND ITEMS.	 D-1
APPENDIX E: GENISES ADDITIONS: 2ND QUARTER, 1993	E-1

INTRODUCTION

The June 1, 1985, 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 December 31, 1992, should be retained as the baseline document for the supplements until the end-of-year revision is published and distributed in October 1993.

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

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

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

The information contained in the Technical Data Catalog is organized by the governing plan under which the referenced technical data were acquired or developed. The applicable governing plans are identified in the Table of Contents. Site Characterization Program Baseline (SCPB) data items referenced in the Catalog are further grouped by SCPB Activity Number.

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

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

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

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

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

- (8) Data Location - A "P" indicates that the data reside in, and may be examined only at, a Participant Data Archive. A "T" indicates that the data are in the Technical Data Base (TDB) and may be examined there or at the Central Records Facility (CRF). A "C" indicates that the data are in, and may be examined at, the CRF.

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

Appendix A of this document lists the activity numbers and titles of all SCPB related data items referenced in the Catalog. Appendix B outlines the types of data that are available in the Geologic and Engineering Materials Bibliography of Chemical Species (GEMBOCHS) component of the TDB. Appendix C identifies any additions or modifications that were incorporated into the GEMBOCHS data base during the current quarter. Appendices D and E provide similar information for the Geographic Nodal Information Study and Evaluation System (GENISES) component of the TDB.

The ATDT data base and, consequently, the Technical Data Catalog do not contain reference information for all data available in the TDB. This discrepancy, which is in the process of being corrected, is due to the varying implementation dates of the TDB components and ATDT.

DESIGN PLAN

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

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 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

T Q
D U L
I A O
F L C
I A
T E T
Y I I
P E O
E D N

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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				
36 55'20"N 116 37'03"W				
USGS, NWQL, DENVER				

ENVIRONMENTAL MONITORING AND MITIGATION PLAN

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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			
*TM000000000001.035	VISIBLE EMISSIONS AT SITE ACTIVITIES	04/20/93-04/20/93	OBSERVATION BY A TRAINED OBSERVER OF VISIBLE EMISSIONS	A N P
	ACQN/DEVL LOCATION :			
	YUCCA MOUNTAIN AREA			

METEOROLOGICAL MONITORING PLAN

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM000000000001.036	AMBIENT AIR MONITORING REPORT, JANUARY - MARCH 1993	01/01/93-03/31/93	REFORMATING OF DATA ACQUIRED BY DATALOGGERS	D N C
	ACQN/DEVL LOCATION : T&MSS			

PERFORMANCE ASSESSMENT MANAGEMENT PLAN

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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. ACQN/DEVL LOCATION : SNL	01/23/90-02/28/93	YMP EP-0031, REV 0: "UNSATURATED FLOW AND TRANSPORT EXPERIMENTS"	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
*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 ACQN/DEVL LOCATION : SNL	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
*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 ACQN/DEVL LOCATION : SNL	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

RADIOLOGICAL MONITORING PLAN

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM000000001993.003	ENVIRONMENTAL RADON MEASUREMENTS FOR MARCH 1993.	03/02/93-04/08/93	DATA ACQUIRED IN ACCORDANCE WITH TMSS WORK A Y C INSTRUCTION WI-RM-770, REVISION 4, ICN 0.	
	ACQN/DEVL LOCATION : RFPD FAR AND NEAR FIELD SITES.			
*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)			

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.1.1.1				
*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				
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				

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

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.1.3.2				
**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.	05/19/82-11/10/83	LITHOLOGIC SAMPLING, WELL LOGGING, HYDROLOGIC TESTING, AND WATER SAMPLING ACCORDING TO USGS STANDARD METHODS.	D N T
	ACQN/DEVL LOCATION : N766643(N) E558943(N) USGS, DENVER CO			
**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			

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930408312132.006	HYDROLOGIC FRAMEWORK OF THE YUCCA MOUNTAIN AREA, NEVADA, BY W.W. DUDLEY, W.E. WILSON AND D.T. HOKIE.	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.			
*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			

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

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

SITE CHARACTERIZATION PLAN BASELINE

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

SITE CHARACTERIZATION PLAN BASELINE

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 P E D
*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				
*GS930508312132.017	CHARACTERIZATION OF THE SUBREGIONAL GROUNDWATER FLOW SYSTEM AT YUCCA MOUNTAIN AND VICINITY, NEVADA-CALIFORNIA BY JOHN B. CZARNECKI.	01/01/88-12/20/88	AUTHOR'S SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS.		D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.2.1.3.4					
*GS930408312134.001	LATE-WISCONSIN PALEOHYDROLOGY OF THE WEST-CENTRAL AMARGOSA DESERT, NEVADA, U.S.A., BY HANS C. CLAASEN.	01/01/84-01/25/85	AGE OF GROUND WATER SAMPLES WERE DETERMINED BY 14C LEVELS, METHOD DESCRIBED IN REPORT. CONDENSATION TEMPERATURES WERE DETERMINED ON THE BASIS OF ISOTOPE RATIOS (VAN DER STRAATEN, C.M., AND MOOK, W.G., 1983, STABLE ISOTOPIC COMPOSITION AND PRECIPITATION AND CLIMATIC VARIABILITY). COMPLETE BIBLIOGRAPHIC CITATIONS ARE IN REPORT.		D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO				

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

SITE CHARACTERIZATION PLAN BASELINE

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

Activity - 8.3.1.2.1.4.1				
*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				
Activity - 8.3.1.2.1.4.2				
*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				

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
Activity - 8.3.1.2.2.3.1			
*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 P 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 P 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.

SITE CHARACTERIZATION PLAN BASELINE

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

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

ACQN/DEVL LOCATION : USGS, DENVER, CO

Activity - 8.3.1.2.2.3.2

*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 P
---------------------	---	-------------------	--	-------

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I Y P E	Q U I L C A T F T I I O E D N
*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					
*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 P	
ACQN/DEVL LOCATION : USGS, DENVER, CO					

SITE CHARACTERIZATION PLAN BASELINE

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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			
**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.	01/01/89-06/05/90	DESCRIPTION & INTERPRETATION OF GEOHYDROLOGIC DATA.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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
- - -

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.2.6.1				
*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	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
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930508312261.005	STOP 14: GASEOUS PHASE FLOW AND TRANSPORT THROUGH YUCCA MOUNTAIN, BY R.C. TRAUTZ AND E.P. WEEKS	01/01/88-04/18/89	AUTHORS' SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.2.2.7.1				
*GS930108312271.001	HEAT EVACUATION SHEETS FOR GAS STORAGE AND COLLECTION CYLINDERS. EVACUATION PERFORMED PRIOR TO USW UZ-1 BOREHOLE GAS COLLECTION.	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
	ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, NTS			

SITE CHARACTERIZATION PLAN BASELINE

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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
*GS930108312271.004	GAS CHROMATOGRAPH ANALYSIS OF GAS CONCENTRATION OF SYRINGE SAMPLES TAKEN DURING USW UZ-1 BOREHOLE GAS SAMPLING. ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS USW UZ-1	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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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. ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS	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
*GS930108312271.006	LABORATORY RESULTS OF DELTA-180 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-180 ANALYSIS OF SAMPLES BY APPROVED VENDOR.	A Y P
*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

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

SITE CHARACTERIZATION PLAN BASELINE

				T D I F T Y P E D
				Q U L A L C A T I O N
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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
*GS930408312271.012	FLOW METER CALIBRATION RECORD FLOW METER USED TO DETERMINE PUMPING VOLUMES IN SUPPORT OF USW UZ-I 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

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930408312271.013	FIELD PUMPING DATA SHEETS DOCUMENTING PUMPING TIMES, FLOW RATES, SAMPLE COLLECTION, TUBING ADVANCES, FOR USW UZ-1 MAY, 1989 THRU JAN., 1991.	05/22/89-01/31/91	COLLECTED DATA USING PROCEDURES OUTLINED IN HP-56,R0, GENERAL PROCEDURE FOR SOIL GAS SAMPLING IN UNSATURATED-ZONE TEST HOLES, HP-56,R1 AND R2, GAS AND VAPOR SAMPLING FROM UNSATURATED-ZONE TEST HOLES.	A Y P
	ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS USW UZ-1			
*GS930408312271.014	GAS CHROMATOGRAPH ANALYSIS OF GAS CONCENTRATIONS OF SYRINGE SAMPLES TAKEN DURING USW UZ-1 BOREHOLE GAS SAMPLING, MAY, 1989, THRU JAN., 1991.	05/22/89-01/31/91	GAS CHROMATOGRAPH ARE ANALYZED BY PROCEDURES OUTLINED IN HP-160,R0, METHODS FOR COLLECTION AND ANALYSIS OF SAMPLES FOR GAS COMPOSITION BY GAS CHROMATOGRAPHY, AND HP-160,R1, METHODS FOR ANALYSIS OF SAMPLES FOR GAS COMPOSITION BY GAS CHROMATOGRAPHY. SAMPLES ARE DESTROYED IN ANALYSIS. SEVERAL SAMPLES ARE TAKEN AT EACH DEPTH IN HOLE UZ-1. EACH SAMPLING TRIP IS AN AID IN DETERMINING PUMPING EFFICIENCY.	A Y P
	ACQN/DEVL LOCATION : USGS, DENVER USGS, NTS			
*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			

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930408312271.016	LABORATORY RESULTS OF DELTA 18O VALUES FROM WATER VAPOR SAMPLES FROM BOREHOLE USW UZ-1, MAY, 1989, THRU JAN., 1991. ACQN/DEVL LOCATION : USGS NWQL, DENVER USGS, DENVER	05/22/89-01/31/91	DELTA 18O ANALYSIS BY APPROVED VENDOR.	A Y P
*GS930408312271.017	LABORATORY RESULTS OF DELTA D VALUES FROM WATER VAPOR FROM BOREHOLE USW UZ-1, MAY, 1989, THRU JAN., 1991. ACQN/DEVL LOCATION : USGS NWQL, DENVER USGS, DENVER	05/22/89-01/31/91	DELTA-D ANALYSIS BY APPROVED VENDOR.	A Y P
*GS930408312271.018	LABORATORY RESULTS OF TRITIUM VALUES FROM WATER VAPOR SAMPLES FROM BOREHOLE USW UZ-1, MAY, 1989, THRU JAN., 1991. ACQN/DEVL LOCATION : USGS NWQL, DENVER USGS, DENVER	03/22/89-01/31/91	3H ANALYSIS BY APPROVED VENDOR.	A Y P
*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

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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 P
Activity - 8.3.1.2.2.7.2				
*GS930508312272.001	RADIOCARBON DATES V, BY I.C. YANG. RESULTS OF MEASUREMENTS OF 172 RADIOCARBON SAMPLES MADE BETWEEN JANUARY, 1983, AND DECEMBER, 1985. ACQN/DEVL LOCATION : USGS, DENVER, CO	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

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

SITE CHARACTERIZATION PLAN BASELINE

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

SITE CHARACTERIZATION PLAN BASELINE

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

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

SITE CHARACTERIZATION PLAN BASELINE

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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
Activity - 8.3.1.2.3.1.2				
**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. ACQN/DEVL LOCATION : USGS, DENVER, CO	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
**GS930308312312.005	GROUNDWATER LEVEL DATA AND PRELIMINARY POTENTIOMETRIC SURFACE MAPS, YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NEVADA, BY J.H. ROBISON. ACQN/DEVL LOCATION : USGS, DENVER, CO	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
*GS930408312312.012	FIRST QUARTER OF THE 1993 PERIODIC NETWORK LOGBOOK. ACQN/DEVL LOCATION : J-11 J-12 WATER WELL TEST WELL B	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

SITE CHARACTERIZATION PLAN BASELINE

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD
	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		
*GS930508312312.016	RAW TRANSDUCER OUTPUT DATA FROM DATA COLLECTION PLATFORMS, 21X DATALOGGERS AND STRIPCHART RECORDERS, AND CALIBRATION DATA. DATA FROM WELLS USW H-5 AND USW H-6, 5/17 - 5/19, 1993. ACQN/DEVL LOCATION : USW H-5 USW H-6	03/02/93-05/19/93	TRANSDUCER OUTPUT DATA COLLECTED USING HP-60,R2, METHOD FOR MONITORING WATER LEVEL CHANGES USING PRESSURE TRANSDUCERS AND PRESSURE TRANSMITTERS, AND HP-221T,RO, MONITORING THE WELL WATER-LEVEL OR FLUID PRESSURE RESPONSE TO UNDERGROUND NUCLEAR EXPLOSIONS OR EARTHQUAKES.

A Y P

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930508312312.017	WATER-LEVEL AND FLUID-PRESSURE RESPONSE TO EARTHQUAKES OBSERVED IN WELLS USW H-5 AND USW H-6, 5/17 - 5/19, 1993. ACQN/DEVL LOCATION : USGS, DENVER, CO Activity - 8.3.1.2.3.1.3	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
*GS930408312132.010	HYDROLOGY, BY W.E. WILSON -- FY 1982 REPORT ACQN/DEVL LOCATION : USGS, DENVER, CO.	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
*GS930408312132.011	HYDROLOGY, BY W.E. WILSON -- FY 1980 REPORT ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM GEOLOGICAL AND HYDROGEOLOGICAL STUDIES INCLUDING GROUNDWATER CHEMISTRY, MINERALOGY, X-RAY DIFFRACTION, TEMPERATURE AND CLIMATE.	D N P
*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. ACQN/DEVL LOCATION : USGS, DENVER, CO	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

SITE CHARACTERIZATION PLAN BASELINE

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

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
- - -

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.3.1.4				
**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
**GS920408312314.009	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
**GS920408312314.013	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

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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	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
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.2.3.2.2				
**GS900908312322.001	HYDROGEOLOGIC INFERENCES FROM DRILLERS LOGS AND FROM GRAVITY AND RESISTIVITY SURVEYS IN THE AMARGOSA DESERT, SOUTHERN NEVADA, BY WILLIAM J. OATFIELD AND JOHN B. CZARNECKI.	07/01/88-07/31/88	ANALYSIS OF DEPTH-TO-WATER AND HYDROCHEMICAL DATA AND RESISTIVITY DATA TO CHARACTERIZE THE UNDERLYING HYDROGEOLOGIC FRAMEWORK. METHODS ARE MORE FULLY DESCRIBED IN THE REPORT.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				
*GS930508312322.001	SOURCES AND MECHANISMS OF RECHARGE FOR GROUND WATER IN THE WEST-CENTRAL AMARGOSA DESERT, NEVADA - A GEOCHEMICAL INTERPRETATION, BY HANS C. CLAASSEN	01/01/82-03/28/83	ALL AVAILABLE DATA ON GROUND-WATER QUALITY FOR THE WEST-CENTRAL AMARGOSA DESERT WERE APPLIED TO DEVELOPMENT OF A CONCEPTUAL GEOCHEMICAL MODEL OF THAT HYDROLOGIC REGIME. HYDRAULIC, GEOLOGIC, AND LITHOLOGIC DATA FOR THE REGION WERE ALSO INCORPORATED AS NEEDED.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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

SITE CHARACTERIZATION PLAN BASELINE

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.2.3.2.3				
*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			
*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			

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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 ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/89-01/05/90	SUMMARY OF STRONTIUM-ISOTOPE ANALYSES, GATHERED BY STANDARD USGS METHODS.	D N P
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 ACQN/DEVL LOCATION : 36 43'02"N 116 15'00"W ;36 43'49"N 116 13'52"W	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
Activity - 8.3.1.2.3.3.2				
*GS920908312332.001	FRACTURES ORIENTATION AND GEOMETRY - RAVEN CANYON ACQN/DEVL LOCATION : 36 40'30"N 116 32'30"W ;36 42'30"N 116 31 30"W	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
*GS920908312332.002	FRACTURES ORIENTATION AND GEOMETRY - EAST OF LITTLE SKULL ACQN/DEVL LOCATION : 36 43'02"N 116 15'00"W ;36 43'49"N 116 13 52"W	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

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

SITE CHARACTERIZATION PLAN BASELINE

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.3.1.1				
*LA000000000044.001	GROUNDWATER CHEMISTRY AT YUCCA MOUNTAIN, NEVADA, AND VICINITY / SUMMARY AND ANALYSIS OF A VARIETY OF GROUNDWATER DATA FROM PREVIOUS LANL AND USGS MONITORING.	01/01/86-01/30/87	THE CHEMISTRY OF GROUNDWATER AT YUCCA MOUNTAIN AND VICINITY WAS REVIEWED AND COMPARED WITH THE CHEMISTRY OF WATER FROM NEVADA TEST SITE AND SURROUNDING AREAS	D N C
ACQN/DEVL LOCATION : LANL				
Activity - 8.3.1.3.1.1.1				
*LA000000000038.001	GROUNDWATER CHEMISTRY ALONG FLOW PATHS BETWEEN A PROPOSED REPOSITORY SITE AND THE ACCESSIBLE ENVIRONMENT	01/01/90-03/30/90	LITERATURE SEARCH OF WELL-WATER CHEMICAL ANALYSIS DATA FROM YUCCA MOUNTAIN AND VICINITY	D N T
ACQN/DEVL LOCATION : LANL				
Activity - 8.3.1.3.2.1				
*LA000000000045.001	REVISED VOLCANIC STRATIGRAPHY OF DRILL HOLE J-13, 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				

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T D I F I Y P E	Q U A L C A T I O N E D
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				
Activity - 8.3.1.3.2.1.2					
*LA000000000041.001	PRELIMINARY STRATIGRAPHIC AND PETROLOGIC CHARACTERIZATION OF CORE SAMPLES FROM USW-G1, YUCCA MOUNTAIN, NEVADA	09/01/81-11/30/81	ANALYSIS AND DISCUSSION OF PETROGRAPHIC STUDIES	D N C	
	ACQN/DEVL LOCATION : LANL				
Activity - 8.3.1.3.2.1.3					
*LA000000000039.001	MINERALS IN FRACTURES OF THE SATURATED ZONE FROM DRILL CORE USW G-4, YUCCA MOUNTAIN, NYE COUNTY, NEVADA	06/11/86-07/15/86	X-RAY DIFFRACTION ANALYSIS AND MICROPROBE ANALYSIS OF MINERALS	D N T	
	ACQN/DEVL LOCATION : USW G-4				

SITE CHARACTERIZATION PLAN BASELINE

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.3.2.2.1				
*LA0000000000040.001	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				
Activity - 8.3.1.3.4.1				
*LA0000000000037.001	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 P
ACQN/DEVL LOCATION : LANL				
Activity - 8.3.1.3.4.1.1				
*LA0000000000042.001	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				

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.3.5.1.1				
*LA000000000012.002	MEASURED SOLUBILITIES AND SPECIATIONS OF NEPTUNIUM, PLUTONIUM, AND AMERICIUM IN A TYPICAL GROUNDWATER (J-13) FROM THE YUCCA MOUNTAIN REGION	10/01/91-08/24/92	THERMODYNAMIC DATA DETERMINED BY SOLUBILITY MEASUREMENTS FROM OVERSATURATION	D Y P
ACQN/DEVL LOCATION : LBL				
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 CONTAINERS MADE OF TUFF INTO THE FORM OF BEAKERS. A SOLUTION OF J-13 WELL WATER AND RADIONUCLIDES OF INTEREST.	A Y P
ACQN/DEVL LOCATION : LANL				
Activity - 8.3.1.4.2.1.1				
**GS910708314211.011	SR AND ND ISOTOPIC DATA AND RB, SR, ND, AND SM CONCENTRATIONS FROM DRILL CORE 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				
**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	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
ACQN/DEVL LOCATION : USGS, DENVER				

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**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
ACQN/DEVL LOCATION : USGS, DENVER				
**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				

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS930208314211.008	STRATIGRAPHY, STRUCTURE AND SOME PETROGRAPHIC FEATURES OF TERTIARY VOLCANIC ROCKS AT THE USW G-2 DRILLHOLE, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY F. MALDONADO AND S.L. KOETHER.	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 BOREHOLESUE-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			

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

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

SITE CHARACTERIZATION PLAN BASELINE

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

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

SITE CHARACTERIZATION PLAN BASELINE

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. BEYERS, 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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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
*GS930608314211.022	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

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.4.2.1.2				
*GS930108314212.003	ISOSTATIC GRAVITY MAP OF THE NEVADA TEST SITE AND VICINITY, NEVADA, BY D.A. PONCE, R.N. HARRIS, AND H.W. OLIVER.	10/01/88-03/19/90	MAP DEVELOPED USING ISOSTATIC GRAVITY DATA ACQUIRED AT MORE THAN 15,000 GRAVITY STATIONS.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
*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.			

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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			
*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.			
*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)	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS OF GEOLOGICAL AND GEOPHYSICAL STUDIES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*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	01/01/78-01/01/79	CONTOUR MAPS OF SLINGRAM RESPONSE WERE PRODUCED FOR TWO DIFFERENT FREQUENCIES. SELECTED DATA WERE TREATED BY QUANTITATIVE INTERPRETATION PROCEDURES TO DEVELOP A LAYERED EARTH MODEL.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.4.2.1.3				
**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				
**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				

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

SITE CHARACTERIZATION PLAN BASELINE

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			

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.4.2.1.4				
*GS930408314214.001	DISTRIBUTION OF RUBIDIUM, STRONTIUM, AND ZIRCONIUM IN TUFF FROM TWO DEEP COREHOLES (USW G-1 AND USW GU-3/G-3) AT YUCCA MOUNTAIN, NEVADA, BY RICHARD W. SPENGLER AND ZELL E. PETERMAN.	01/01/89-01/08/90	DATA OBTAINED BY ANALYZING BULK ROCK SAMPLES AND GAMMA-RAY SPECTROMETRIC METHODS. RB, SR, AND ZR CONCENTRATIONS ANALYZED BY EDXRF USING KEVEX 5100.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930508314214.002	DISTRIBUTION, CHARACTERIZATION, AND GENESIS OF MORDENITE IN MIOCENE SILICIC TUFFS AT YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY RICHARD A. SHEPPARD, ARTHUR J. GUDE, 3D., AND JOAN FITZPATRICK	01/01/86-09/11/86	RELATIVE ABUNDANCE OF MINERALS WERE VISUALLY ESTIMATED FROM THE DIFFRACTOMETER PATTERNS FOLLOWING PROCEDURE OF SHEPPARD, R.A., AND GUDE A.J., 3D., 1965, USGS PROFESSIONAL PAPER 597. PEAK POSITION AND CELL PARAMETERS WERE REFINED USING ALGORITHM OF APPELMAN, D.E., AND EVANS, H.T., JR., 1973, NTIS DOCUMENT PB-216188. COMPLETE BIBLIOGRAPHIC CITATIONS ARE IN REPORT.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930508314214.003	GRAIN-SIZE DATA FROM FOUR CORES FROM WALKER LAKE, NEVADA, BY JAMES C. YOUNT AND MARY F. QUIMBY	01/01/88-07/11/88	GRAIN SIZE DISTRIBUTIONS DETERMINED BY PHOTO-EXTINCTION METHODS (SIMMONS, G., 1959, THE PHOTO-EXTINCTION METHOD FOR MEASURING SILT-SIZED PARTICLES: JOURNAL OF SEDIMENTARY PETROLOGY, V. 29) USING A HYDROPHOTOMETER. MEAN PARTICLE DIAMETER, PERCENT SAND, AND RATIO OF SILT TO CLAY WERE PLOTTED FOR DIFFERENT DEPTHS. CORES WERE COMPARED FOR TEXTURAL PROPERTIES USING PLOTS OF MEAN GRAIN SIZE, SORTING, AND SKEWNESS. HYDROPHOTOMETER METHOD VALIDATED BY COMPARISON TO PIPETTE METHODS OF FOLK, R.L., (1968, PETROLOGY OF SEDIMENTARY ROCKS) AND GALEHOUSE, J.S. (1971, SEDIMENTATION ANALYSIS, IN PROCEDURES IN SEDIMENTARY PETROLOGY). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P

T Q
U U L
I A O
F L C
I A
T F T
Y I I
P E O
E D N

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
*GS930508314214.004	COMPILATION OF MODAL ANALYSES OF VOLCANIC ROCKS FROM THE NEVADA TEST SITE AREA, NYE COUNTY, NEVADA, BY W.R. PAGE -- COMPUTERIZED DATA BASE OF PETROLOGICALLY ANALYZED VOLCANIC ROCK THIN SECTIONS.	01/01/89-01/26/90	MODAL PETROGRAPHIC DATA OF VOLCANIC ROCK SAMPLES ANALYZED BY THIN SECTION. DATA WAS RECORDED AND ENTERED INTO COMPUTERIZED DATABASE.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*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			

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
- - -

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.4.2.1.5				
*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 REPORT.	D N P
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				

T Q
U U L
I A O
F L C
I A
T F T
Y I I
P E O
E D N

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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			
Activity - 8.3.1.4.2.2				
*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 P
	ACQN/DEVL LOCATION : SNL			

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.4.2.2.1				
*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).	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
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930108314221.005	87SR/86SR STRONTIUM ISOTOPIC RATIO FOR OUT-CROP SAMPLES FROM RAVEN CANYON REFERENCE SECTION.	01/01/92-12/31/92	THESE DATA WERE ACQUIRED PER TECHNICAL PROCEDURE GCP-12,R3, RB-SR ISOTOPE GEOCHEMISTRY.	A Y 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			

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.4.2.2.2				
*GS930408314222.004	FRACTAL GEOMETRY OF THE TWO-DIMENSIONAL FRACTURE NETWORKS AT YUCCA MOUNTAIN (SIC), SOUTHWESTERN NEVADA, BY CHRISTOPHER C. BARTON AND ERIC LARSEN.	01/01/84-01/01/85	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.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.4.2.2.3				
**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				

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.4.2.2.4				
*GS930408314224.001	FIELD DATA NOTEBOOK FOR GEOLOGIC MAPPING OF THE NORTH RAMP PORTAL OF THE EXPLORATORY STUDIES FACILITY CONTAINING POINTS WHERE SIGNIFICANT GEOLOGIC FEATURES ARE LOCATED AND THEIR DESCRIPTIONS, AND ALSO WHERE SAMPLES WERE TAKEN.	01/20/93-03/19/93	USGS TECHNICAL PROCEDURES GP-01,R2, GEOLOGIC MAPPING, AND GP-12,R1 MAPPING FRACTURES ON PAVEMENTS, OUTCROPS, AND ALONG TRAVERSES.	A Y P
ACQN/DEVL LOCATION : NORTH RAMP PORTAL, ESF				
*GS930408314224.002	DATA LOGS OF CHARACTERISTICS OF FRACTURES OR JOINTS ALONG RECONNAISSANCE TRAVERSES.	01/20/93-03/06/93	USGS TECHNICAL PROCEDURE GP-12,R1 MAPPING FRACTURES ON PAVEMENTS, OUTCROPS, AND ALONG TRAVERSES.	A Y P
ACQN/DEVL LOCATION : NORTH RAMP PORTAL, ESF				
Activity - 8.3.1.4.3.1				
*SNSAND89227000.000	POROSITY AND AIR PERMEABILITY DATA FROM SAND89-2270: "ESTIMATES OF SPATIAL CORRELATION IN VOLCANIC TUFF YUCCA MOUNTAIN, NEVADA" NNA.901213.0067	03/11/87-05/08/87	THE SAMPLES OBTAINED WERE ANALYZED FOR POROSITY AND AIR PERMEABILITY BY LITTON CORE LAB. POROSITY WAS CALCULATED FROM THE BULK VOLUME AND GRAIN VOLUME OF THE SAMPLE USING API (AMERICAN PETROLEUM INSTITUTE) RP40. BULK VOLUME WAS DETERMINED BY MERCURY DISPLACEMENT AND THE GRAIN VOLUME BY BOYLE'S LAW GAS PRESSURE MEASUREMENT. PERMEABILITY WAS DETERMINED USING A TECHNIQUE THAT INCORPORATES DARCY'S LAW AND MEASURES THE PRESSURE DROP IN AIR FLOWING THROUGH THE SAMPLE. (FOR MORE DETAIL SEE SAND89-2270).	D N T
ACQN/DEVL LOCATION : SNL				

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.4.3.1.1				
*TM0000000000CL.001	COMPOSITE LOGS FOR DRILLING ACTIVITIES.	09/01/91-10/01/92	GRAPHICAL REPRESENTATION OF BOREHOLES LITHOLOGY AND RELATED DRILLING INFORMATION.	A N C
ACQN/DEVL LOCATION : WITHIN 25 MILE RADIUS AROUND YUCCA MOUNTAIN				
Activity - 8.3.1.5.1.2.1				
*GS930508315121.001	LATE QUATERNARY PALEOLIMNOLOGY OF WALKER LAKE, NEVADA BY J. PLATT BRADBURY, R.M. FORESTER, AND R.S. THOMPSON.	01/01/87-12/22/87	REPORT EVALUATES PALEOLIMNOLOGICAL AND PALEOHYDROLOGICAL CHANGES BY INTERPRETING BIOSTRATIGRAPHIC CORRELATIONS FROM CORES 4,5,8 IN CONJUNCTION WITH DATED SHORELINE TUFAS. MICROFOSSIL ANALYSIS USING METHODS DESCRIBED BY BATTARBEE (1985), POLLEN ANALYSIS USING PALYNOLOGICAL TECHNIQUES BY GRAY (1965), AGES BY RADIOCARBON DATING. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.5.1.3.1				
**GS900908315131.002	PRELIMINARY ASSESSMENT OF CLIMATIC CHANGE DURING LATE WISCONSIN TIME, SOUTHERN GREAT BASIN AND VICINITY, ARIZONA , CALIFORNIA AND NEVADA, BY W.G. SPAULDING, S.W. ROBINSON, AND F.S. PAILLET.	01/01/84-11/13/84	PALEOCLIMATE RECONSTRUCTION USING CONCENTRATION AND RELATIVE ABUNDANCE VALUES OF PLANT MACROFOSSILS FROM PACKRAT MIDDEN RAPID-CARBON ANALYSES, WELLS, 1976; SPAULDING AND OTHERS, 1983. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N C
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930508315131.002	VEGETATION AND CLIMATES OF THE LAST 45,000 YEARS IN THE VICINITY OF THE NEVADA TEST SITE, SOUTH-CENTRAL NEVADA, BY W. GEOFFREY SPAULDING	01/01/84-01/01/85	AUTHOR CHARACTERIZES LONG-TERM CLIMATIC VARIABILITY. PALEOENVIRONMENTAL AND PALEOCLIMATIC RECONSTRUCTION OF THE PAST 45,000 YEARS USED TO CALCULATE POTENTIAL VARIATIONS IN WATER-TABLE LEVELS AND GROUND-WATER RECHARGE, FOLLOWING WINOGRAD, I.J., 1981, SCIENCE V. 212, AND WINOGRAD, I.J., AND DOTY, G.C., 1980, USGS OFR 80-569. RADIO-CARBON DATED PLANT MICROFOSSILS FROM PACKRAT MIDDENS USED FOR PALEOCLIMATIC RECONSTRUCTIONS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.5.1.3.3				
*GS930508315131.002	VEGETATION AND CLIMATES OF THE LAST 45,000 YEARS IN THE VICINITY OF THE NEVADA TEST SITE, SOUTH-CENTRAL NEVADA, BY W. GEOFFREY SPAULDING	01/01/84-01/01/85	AUTHOR CHARACTERIZES LONG-TERM CLIMATIC VARIABILITY. PALEOENVIRONMENTAL AND PALEOCLIMATIC RECONSTRUCTION OF THE PAST 45,000 YEARS USED TO CALCULATE POTENTIAL VARIATIONS IN WATER-TABLE LEVELS AND GROUND-WATER RECHARGE, FOLLOWING WINOGRAD, I.J., 1981, SCIENCE V. 212, AND WINOGRAD, I.J., AND DOTY, G.C., 1980, USGS OFR 80-569. RADIO-CARBON DATED PLANT MICROFOSSILS FROM PACKRAT MIDDENS USED FOR PALEOCLIMATIC RECONSTRUCTIONS.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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

SITE CHARACTERIZATION PLAN BASELINE

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

Activity - 8.3.1.5.1.4.1				
**GS930108315141.002	LATE CENOZOIC EVOLUTION OF THE UPPER AMARGOSA RIVER DRAINAGE SYSTEM, SOUTHWESTERN GREAT BASIN, NEVADA AND CALIFORNIA, BY N. KING HUBER	01/01/87-09/04/87	THIS REPORT IS BASED ON PUBLISHED REPORTS AND GEOLOGIC MAPS, TOPOGRAPHIC MAPS, AND AERIAL PHOTOGRAPHS. FIELD EXAMINATION WAS PRECLUDED.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
*GS930508315141.003	DEVELOPMENT RATES OF LATE QUATERNARY SOILS, SILVER LAKE PLAYA, CALIFORNIA, BY MARITH C. REHEIS, JENNIFER W. HARDEN, LESLIE D. MCFADDEN, AND RALPH R. SHROBA.	01/01/86-05/22/87	FAN UNITS WERE MAPPED USING STRATIGRAPHIC RELATIONS, SURFACE GEOMORPHIC CHARACTERISTICS, AND PRELIMINARY SOIL DATA. SOILS WERE DESCRIBED BY COLOR, PH, TEXTURE, WET AND DRY CONSISTENCE, AND STRUCTURE. SOIL PROPERTIES MEASURED BY SOIL DEVELOPMENT INDEX (HARDEN, J.W., 1982, GEODERMA, AND HARDEN, J.W., AND TAYLOR, E.M., 1983, QUAT. RES.). CURVES WERE PLOTTED FOR VARIOUS CHARACTERISTICS AS A FUNCTION OF SOIL AGE. T-TESTS PERFORMED TO ASSURE ACCURACY IN DISTINGUISHING GROUPS OF SOILS OF DIFFERENT AGES. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930508315141.004	GEOMORPHOLOGY AND PEDOLOGY ON THE KYLE CANYON ALLUVIAL FAN, SOUTHERN NEVADA, EDITED BY J.M. SOWERS.	01/01/87-12/17/87	INTERPRETATION AND CHARACTERIZATION OF DEPOSIT AND SOIL DATING BY 1) GEOMORPHOLOGIC AND STRATIGRAPHIC CONSTRAINTS, 2) C-14 CORRELATIONS, 3) CACO3 PALEOMAGNETISM, 4) C-14 AND U-TH ANALYSES OF CACO3 RINDS. MAJOR OXIDES, ZR AND MINOR ELEMENTS BY XRF, ENERGY-DISPERSIVE XRF, AND WET-CHEMICAL METHODS. MICROMORPHOLOGY BY THIN-SECTION ANALYSIS. LEACHING INDEX BY THORNTWHAITE AND MAYER (1986) COMPUTER MODEL. C ISOTOPE BY PDB STANDARD, CRAIG (1957). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P

SITE CHARACTERIZATION PLAN BASELINE

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, MENLO PARK, CA			
*GS930508315141.005	URANIUM-TREND DATING OF FLUVIAL AND FAN DEPOSITS IN THE BEATTY AREA, NEVADA BY J.N. ROSHOLT, W.C. SWADLEY AND C.A. BUSH.	01/01/85-09/26/85	ANALYSES OF CaCO ₃ RINDS BY CONVENTIONAL CLOSED-SYSTEM URANIUM-SERIES DATING. U AND TH CONCENTRATIONS BY RADIOISOTOPE-DILUTION TECHNIQUE DESCRIBED BY ROSHOLT (1984). CALICHE AGES BY ISOCHRON-PLOT METHOD, SZABO AND STERR (1978). CHARACTERIZATION OF ANALYTICAL RESULTS PLOTTED AS ACTIVITY RATIOS IN GRAPHICAL FORM. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
	Activity - 8.3.1.5.1.5.1			
*GS930408315151.001	LATE HOLOCENE DIATOM PALEOLIMNOLOGY OF WALKER LAKE, NEVADA, BY J. PLATT BRADBURY.	01/01/86-12/18/86	CORRELATIONAL DATES ESTABLISHED FROM RADIOCARBON DATES BY BENSON, L.V., AND MIFFLIN, M.D., 1983, A HYDROCHEMICAL RECONNAISSANCE STUDY OF THE WALKER RIVER BASIN, CA AND NV, USGS OFR 83-740.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.5.2.1.3				
*GS930408315213.014	NWQL WATER CHEMISTRIES FROM WATER SAMPLES COLLECTED DURING FIELD-COLLECTION TRIP OF MARCH 7-12, 1993. ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO	03/18/93-04/02/93	STANDARD USGS NATIONAL WATER QUALITY LAB ANALYTICAL LABORATORY METHODS.	A Y P
*GS930508315213.015	WATER CHEMISTRIES OBTAINED FROM WATER SAMPLES COLLECTED DURING 8-29-88 TO 9-1-88 AND 9-20-88 TO 9-22-88 FIELD TRIPS. ACQN/DEVL LOCATION : USGS-NWQL, DENVER, CO	10/25/88-09/26/89	LAB ANALYSIS BY APPROVED VENDOR; STANDARD USGS-NWQL LAB PROCEDURES AND METHODS.	A N P
*GS930508315213.016	USGS NWQL WATER CHEMISTRIES FOR WATER SAMPLES COLLECTED FROM 09-26-89 TO 09-28-89. ACQN/DEVL LOCATION : USGS NWQL, DENVER	09/30/89-10/30/89	LAB ANALYSIS BY APPROVED VENDOR; STANDARD USGS-NWQL METHODS AND PROCEDURES	A Y P
Activity - 8.3.1.5.2.1.4				
**GS910508315214.002	WEATHER DATA COLLECTED AT THE KAWICH CREEK BASE SITE FROM OCTOBER, 1985, TO MAY, 1989. ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W	11/11/85-05/24/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170,R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC. 107 TEMPERATURE PROBE.	A N P

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS910908315214.004	WEATHER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM JANUARY, 1986, TO MAY, 1989.	01/11/86-05/25/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170,R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC. 107 TEMPERATURE PROBE.	A N P
	ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W			
**GS911108315214.005	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM MAY, 1989, TO SEPTEMBER, 1990. THESE DATA COLLECTED USING A PARSHALL FLUME.	05/03/89-09/30/90	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-54,R0, WATER-FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS, AND HP-57,R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS.	A Y P
	ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W			
**GS911108315214.006	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM SEPTEMBER, 1988, TO MAY, 1989. THESE DATA COLLECTED USING A PARSHALL FLUME.	09/27/88-05/02/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-54.R0, WATER-FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS, AND HP-57.R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS.	A N P
	ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W			
**GS911108315214.007	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM DECEMBER, 1986, TO MAY, 1989. THESE DATA COLLECTED USING A 90 DEGREE V-NOTCH WEIR.	12/02/86-05/02/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-54,R0, WATER-FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS, AND HP-172,R0, WATER LEVEL MEASUREMENT USING A TEN-TURN POTENTIOMETER.	A N P
	ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W			

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

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS911108315214.008	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM MAY, 1989, TO SEPTEMBER, 1990. THESE DATA COLLECTED USING A 90 DEGREE V-NOTCH WEIR.	05/03/89-09/30/90	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-54,R0, WATER FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS, AND HP-172,R0, WATER LEVEL MEASUREMENTS USING A TEN-TURN POTENTIOMETER.	A Y P
ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W				
**GS911108315214.009	CASSETTE TAPES FOR THE STEWART BASIN AND KAWICH BASIN ANALOG RECHARGE SITES FOR THE 1991 WATER YEAR.	09/22/90-09/25/91	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-54,R0, WATER-FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS; HP-57,R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS; HP-97,R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170,R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC. 107 TEMPERATURE PROBE; HP-172,R0, WATER LEVEL MEASUREMENT USING A TEN-TURN POTENTIOMETER; AND HP-198,R1, MEASUREMENT OF WIND SPEED AND WIND DIRECTION USING THE 05103 R.M. YOUNG WIND MONITOR.	A Y P
ACQN/DEVL LOCATION : 37 57'19"N 117 21'37"W ; 38 53'23"N 116 25'23"W				
**GS920908315214.032	ISOTOPE CONTENT AND TEMPERATURE OF PRECIPITATION IN SOUTHERN NEVADA, AUGUST 1983 - AUGUST 1986, BY MILNE, BENSON, AND MCKINLEY.	08/09/83-08/27/86	DATA WERE ACQUIRED PRIOR TO THE APPROVAL OF THE QA PROGRAM BUT THE AQUISITION METHOD WAS THE SAME AS IN THE FOLLOWING HYDROLOGIC PROCEDURES: HP-16,R3, COLLECTION AND PRESERVATION OF ATMOSPHERIC PRECIPITATION SAMPLES FOR DEUTERIUM AND OXYGEN-18 ANALYSIS; HP-91,R3, COLLECTION AND FIELD ANALYSIS OF SURFACE-WATER SAMPLES; HP-170,R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE; AND HP-179, R2, FIELD MEASUREMENT OF PRECIPITATION	D N P

SITE CHARACTERIZATION PLAN BASELINE

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
			USING A TIPPING BUCKET RAIN GAGE. THE METHODS ARE ALSO OUTLINED IN THE DATA REPORT.	
	ACQN/DEVL LOCATION : USGS, DENVER			
Activity - 8.3.1.5.2.1.5				
**GS900908315215.002	URANIUM-SERIES DATING OF SECONDARY CARBONATE AND SILICA PRECIPITATES RELATING TO FAULT MOVEMENTS IN THE NEVADA TEST SITE REGION, BY B.J. SZABO AND P.A. O'MALLEY	01/01/84-12/31/84	USGS STANDARD METHODS.	D N T
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS921108315215.028	URANIUM, THORIUM AND LEAD ANALYSIS OF CALCITE-SILICA SAMPLES FROM BARE MTN. STRIPED HILLS, YUCCA MTN. DRILL CORES	04/06/92-10/02/92	NWM-USGS TECHNICAL PROCEDURE GCP-13,R2, URANIUM, THORIUM, AND LEAD ISOTOPE GEOCHEMISTRY	A Y P
	ACQN/DEVL LOCATION : USGS, DENVER			
**GS930108315215.005	U AND SR IN GROUNDWATER AND CALCITE, YUCCA MOUNTAIN, NEVADA: EVIDENCE AGAINST UPWELLING WATER, BY J.S. STUCKLESS, Z.E. PETERMAN & D.R. MUHS.	10/01/90-02/01/91	SR AND U ISOTOPIC COMPOSITIONS OF HYDROGENIC MATERIALS WERE USED TO TEST WHETHER THE DEPOSITS IN FAULT ZONES AT YUCCA MOUNTAIN COULD HAVE FORMED FROM UPWELLING OF DEEP-SEATED WATERS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

T Q
D U L
I A O
F L C
I A
T E T
Y I I
P E O
E D N

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
**GS930208315215.013	ISOTOPIC DISCONTINUITIES IN GROUNDWATER BENEATH YUCCA MOUNTAIN, NEVADA, BY J.S. STUCKLESS, J.F. WHELAN, AND W.C. STEINKAMPF.	01/01/90-11/27/90	REVIEW AND PRELIMINARY EVALUATIONS OF PREVIOUSLY PUBLISHED AND UNPUBLISHED DATA/INFORMATION OF STABLE ISOTOPIC DATA FOR GROUNDWATER IN THE YUCCA MOUNTAIN AREA AND ADJACENT TO FORTYMILE WASH.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
*GS930408315215.014	SPECIMEN DESCRIPTION WITH PHOTOS FOR CALCITE SILICA STUDIES.	05/01/88-04/09/93	USGS TECHNICAL PROCEDURE GCP-02,R2, LABELING, IDENTIFICATION, AND CONTROL OF SAMPLES FOR GEOCHEMISTRY AND ISOTOPE GEOLOGY.	A Y P
ACQN/DEVL LOCATION : 36 22'N 116 40'W 36 50'N 116 10'W 37 09'N 116 09'W N623000 (N) E688000 (N) N641432 (N) E454777 (N) N740000 (N) E570000 (N) ;N742500 (N) E572500 (N) N746000 (N) E668000 (N) TRENCH 1 TRENCH 14 TRENCH 6 UE-25 RF #3 UE-25 RF #9 UE-25A #1 UE-25A #4 UE-25A #5 UE-25A #6 UE-25B #1 USGS, DENVER USW G-1 USW G-2 USW G-3 USW G-4 USW GU-3 USW H-3 USW UZ-16 USW UZ-N35 USW VH-2				

SITE CHARACTERIZATION PLAN BASELINE

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930508315215.026	STOP 16: TRENCH 14, BY E.M. TAYLOR, J.S. STUCKLESS, AND S.S. LEVY. CHARACTERIZATION OF CALCITE AND OPALINE SILICA DEPOSITS. ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-04/18/89	AUTHORS' INTERPRETATIONS AND SUMMARIES OF PREVIOUSLY PUBLISHED REPORTS.	D N P
Activity - 8.3.1.6.1.1.3				
*GS930408318512.005	TECTONICS, SEISMICITY, VOLCANISM AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1980 REPORT. ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION AND DEPOSITION STUDIES.	D N P
*GS930508318512.007	TECTONICS, SEISMICITY, VOLCANISM, AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1979 REPORT. ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION, AND DEPOSITION STUDIES.	D N P

T Q
U U L
I A O
F L C
I A
T F T
Y I I
P E O
E D N

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E O E D N
Activity - 8.3.1.8.1.1.3				
*LA000000000048.001	STATUS OF VOLCANIC HAZARD STUDIES FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS	01/01/81-02/28/83	PUBLISHED AND UNPUBLISHED VOLCANIC HAZARD STUDIES ARE SUMMARIZED AND DISCUSSED.	D N C
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.8.1.2.1				
*LA000000000048.001	STATUS OF VOLCANIC HAZARD STUDIES FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS	01/01/81-02/28/83	PUBLISHED AND UNPUBLISHED VOLCANIC HAZARD STUDIES ARE SUMMARIZED AND DISCUSSED.	D N C
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.8.3.2.5				
*GS920708318325.001	HYDROGEOLOGIC ANALYSIS OF THE SATURATED-ZONE GROUND-WATER SYSTEM UNDER YUCCA MOUNTAIN, NEVADA, BY C.J. FRIDRICH, W.W. DUDLEY, JR., AND J.S. STUCKLESS	01/02/92-03/31/92	SYNTHESIS OF PREVIOUSLY PUBLISHED SURFACE AND SUBSURFACE GEOLOGIC DATA, AND ISOTOPIC, GEOPHYSICAL AND HYDROLOGIC DATA TO SHOW THE RELATION OF THE LARGE HYDRAULIC GRADIENT UNDER YUCCA MTN TO: A HEAT FLOW LOW, A GRAVITY LOW, AN AEROMAGNETIC HIGH, SUBSURFACE STRATIGRAPHIC CHANGES, LINEAR THERMAL HIGHS AT THE WATER TABLE, GROUND-WATER ISOTOPIC CHANGES, AND A REGIONAL-SCALE ZONE OF LARGE HYDRAULIC GRADIENT.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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
- - -

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.8.5.1.2				
**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				
*GS930408318512.003	LATE TERTIARY AND QUATERNARY GEOLOGY OF THE TECOPA BASIN, SOUTHEASTERN CALIFORNIA, BY JOHN W. HILLHOUSE.	01/01/85-01/01/86	CORRELATIONS FOUNDED ON MINERALOGIC SIMILARITIES, SHARD MORPHOLOGY, MICROBE ANALYSIS OF MAJOR ELEMENTS, SPECTROGRAPHIC ANALYSIS, AND PALEONTOLOGY. DEPOSITS CHEMICALLY CORRELATED WITH ISOTOPICALLY DATED VOLCANIC SOURCE IN YELLOWSTONE (IZETT, G.A., 1981, USGS OFR 81-763 AND SARNA-WOJCIKI, A.M., AND OTHERS, USGS PROFESSIONAL PAPER 1293), AND GEOMAGNETIC CORRELATION (MANKINEN, E.A. AND DALRYMPLE, G.B., 1979, J. OF GEOPHYS. RES., V.84). VOLCANIC SOURCE DATA CALCULATIONS FROM CURRENT DECAY CONSTANTS (STEIGER, R.H., AND JAGER, E., 1977, SUBCOMMISSION ON GEOCHRONOLOGY). OLDER QUATERNARY ALLUVIUM DATED BY URANIUM TREND METHOD (ROSHOLT, J.N., USGS OFR 78-701). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

SITE CHARACTERIZATION PLAN BASELINE

T Q
U L
I A O
F L C
I A
T F T
Y I I
P E O
E D N

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*LA000000000049.001	GEOLOGY AND PETROLOGY OF THE BASALTS OF CRATER FLAT: APPLICATIONS TO VOLCANIC RISK ASSESSMENT FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS.	01/01/79-05/30/81	DESCRIBE DETAILED GEOLOGY, GEOCHRONOLOGY, AND PETROLOGY OF BASALTS OF CRATER FLAT. PRESENT TABLES OF MINERAL ANALYSES.	D N C
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.8.5.1.4				
*LA000000000048.001	STATUS OF VOLCANIC HAZARD STUDIES FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS	01/01/81-02/28/83	PUBLISHED AND UNPUBLISHED VOLCANIC HAZARD STUDIES ARE SUMMARIZED AND DISCUSSED.	D N C
	ACQN/DEVL LOCATION : LANL			
*LA000000000049.001	GEOLOGY AND PETROLOGY OF THE BASALTS OF CRATER FLAT: APPLICATIONS TO VOLCANIC RISK ASSESSMENT FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS.	01/01/79-05/30/81	DESCRIBE DETAILED GEOLOGY, GEOCHRONOLOGY, AND PETROLOGY OF BASALTS OF CRATER FLAT. PRESENT TABLES OF MINERAL ANALYSES.	D N C
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.8.5.1.5				
*LA000000000048.001	STATUS OF VOLCANIC HAZARD STUDIES FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS	01/01/81-02/28/83	PUBLISHED AND UNPUBLISHED VOLCANIC HAZARD STUDIES ARE SUMMARIZED AND DISCUSSED.	D N C
	ACQN/DEVL LOCATION : LANL			

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.8.5.2.1				
*GS930408318521.001	CURIE-TEMPERATURE ISOTHERM ANALYSIS AND TECTONIC IMPLICATIONS OF AEROMAGNETIC DATA FROM NEVADA, BY RICHARD J. BLAKELY.	01/01/87-12/29/87	METHOD USED TO MEASURE BASAL DEPTH OF MAGNETIC SOURCE IS A MODIFICATION OF SMITH, R.B., AND OTHERS, GSA BULLETIN 85, 1974, BOLER, F.M., AEROMAGNETIC MEASUREMENTS, MAGNETIC SOURCE DEPTHS, AND THE CURIE POINT ISOTHERM IN THE VALA-OWYHEE, OREGON, GEOTHERMAL AREA, M.S. THESIS, ORE. ST. UNIV., 1978, AND CONRAD, G.R., AND OTHERS, ANALYSIS OF AEROMAGNETIC MEASUREMENTS FROM THE CASCADE RANGE IN CENTRAL OREGON, GEOPHYSICS, 48, 1983. COMPLETE BIBLIOGRAPHIC CITATIONS IN THE REPORT.	D N P
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.14.2.3				
*SNF29041993002.001	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR BOREHOLE UE-25NRG#2	04/01/93-05/06/93	GEOTECHNICAL CORE LOGGING OF UE-25NRG#2.	A Y P
ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY AND JFT AGAPITO.				
*SNL02030193001.001	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, & UNCONFINED STRENGTH) FOR DRILLHOLE USW NRG-6 SAMPLES FROM DEPTH 22.2 FT. TO 328.7 FT.	04/01/93-05/14/93	STANDARD LABORATORY ROCK MECHANICS PROCEDURES AS PER TP-219 "UNCONFINED COMPRESSION EXPERIMENTS AT 22 DEGREES C AND A STRAIN RATE OF 10E-5 S-1."	A Y C
ACQN/DEVL LOCATION : NER INC., WHITE RIVER JUNCTION, VERMONT				

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930408318512.004	MAJOR-ELEMENT GEOCHEMISTRY OF THE SILENT CANYON - BLACK MOUNTAIN PERALKALINE VOLCANIC CENTERS, NORTHWESTERN NEVADA TEST SITE: APPLICATIONS TO AN ASSESSMENT OF RENEWED VOLCANISM, BY B.M. CROWE AND K.A. SARGENT. ACQN/DEVL LOCATION : LANL USGS, DENVER, CO.	01/01/78-01/01/79	SUMMARY OF GEOLOGIC SETTING, EVOLUTION, AND ROCK AGES. INTERPRETATION AND CHARACTERIZATION OF VOLCANIC ROCK TYPES.	D N P
*GS930408318512.005	TECTONICS, SEISMICITY, VOLCANISM AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1980 REPORT. ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION AND DEPOSITION STUDIES.	D N P
*GS930408318512.006	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR, A.M. ROGERS, AND B.M. CROWE -- FY 1982 REPORT. ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS OF TECTONIC, SEISMIC, AND VOLCANIC STUDIES INCLUDING MAPPING, PALEOZOIC STRUCTURE, AND EARTHQUAKE DATA.	D N P
*GS930508318512.007	TECTONICS, SEISMICITY, VOLCANISM, AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1979 REPORT. ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION, AND DEPOSITION STUDIES.	D N P

T Q
E U L
I A O
F L C
I A
T F T
Y I I
P E O
E D N

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930508318512.008	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR AND A.M. ROGERS -- FY 1981 REPORT.	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, AND VOLCANIC STUDIES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
*LA0000000000048.001	STATUS OF VOLCANIC HAZARD STUDIES FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS	01/01/81-02/28/83	PUBLISHED AND UNPUBLISHED VOLCANIC HAZARD STUDIES ARE SUMMARIZED AND DISCUSSED.	D N C
	ACQN/DEVL LOCATION : LANL			
*LA0000000000049.001	GEOLOGY AND PETROLOGY OF THE BASALTS OF CRATER FLAT: APPLICATIONS TO VOLCANIC RISK ASSESSMENT FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS.	01/01/79-05/30/81	DESCRIBE DETAILED GEOLOGY, GEOCHRONOLOGY, AND PETROLOGY OF BASALTS OF CRATER FLAT. PRESENT TABLES OF MINERAL ANALYSES.	D N C
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.8.5.1.3				
*LA0000000000048.001	STATUS OF VOLCANIC HAZARD STUDIES FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS	01/01/81-02/28/83	PUBLISHED AND UNPUBLISHED VOLCANIC HAZARD STUDIES ARE SUMMARIZED AND DISCUSSED.	D N C
	ACQN/DEVL LOCATION : LANL			

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

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*SNL02030193001.002	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TRIAXIAL STRENGTH, TENSILE STRENGTH, & AVERAGE GRAIN DENSITY) FOR DRILLHOLE USW NRG-6 SAMPLES FROM DEPTH 22.2 FT TO 427.0 FT.	04/01/93-06/23/93	STANDARD LABORATORY ROCK MECHANICS PROCEDURES AS PER TP-219 "UNCONFINED COMPRESSION EXPERIMENTS AT 22 DEGREES C AND A STRAIN RATE OF 10E-5 S-1.", ASTM STM D3967-92 "SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS", ASTM STM D2845-90 "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK".	A Y P
ACQN/DEVL LOCATION : NER INC., WHITE RIVER JUNCTION, VERMONT				
Activity - 8.3.1.15.1.1.1				
*SNSAND88081100.000	SAND88-0811: "SNL YUCCA MOUNTAIN PROJECT DATA REPORT: DENSITY AND POROSITY DATA FOR TUFFS FROM THE UNSATURATED ZONE AT YUCCA MOUNTAIN, NEVADA" NNA.900108.0028	12/10/87-10/18/88	EXPERIMENT RESULTS PRESENTED FOR DENSITY AND POROSITY MEASUREMENTS OF TUFFACEOUS ROCKS FROM THE UNSATURATED ZONE AT YUCCA MOUNTAIN, NEVADA. DATA OBTAINED FOR GRAIN DENSITY AND SATURATED, NATURAL STATE, AND DRY BULK DENSITY. MATRIX POROSITY WAS CALCULATED FROM DRY BULK-DENSITY AND GRAIN-DENSITY VALUES. (FOR MORE DETAIL SEE SAND88-0811).	D N T
ACQN/DEVL LOCATION : SNL				

SITE CHARACTERIZATION PLAN BASELINE

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
- -

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.15.1.1.2				
*SNSAND88088200.000	SAND88-0882: "MINERALOGIC AND CHEMICAL DATA SUPPORTING HEAT CAPACITY DETERMINATION FOR TUFFACEOUS ROCKS" NNA.890928.0125	08/17/85-04/01/89	BULK CHEMICAL, X-RAY DIFFRACTION AND PETROLOGIC DATA ARE PRESENTED FOR 20 SAMPLES OF TUFFACEOUS ROCKS FROM YUCCA MOUNTAIN. THE DATA IN THE REPORT WERE OBTAINED BY THREE DIFFERENT METHODS; CHEMICAL ANALYSIS, X-RAY DIFFRACTION, AND PETROGRAPHIC EXAMINATION. (FOR A DETAILED DESCRIPTION OF EACH METHOD SEE SAND88-0882).	D N T
ACQN/DEVL LOCATION : SNL				
Activity - 8.3.1.15.1.1.3				
*SNSAND88062400.000	SAND88-0624: "THERMAL-CONDUCTIVITY FOR TUFFS FROM THE UNSATURATED ZONE AT YUCCA MOUNTAIN, NEVADA" NNA.890515.0133	06/24/80-12/31/88	THERMAL-CONDUCTIVITY DATA WAS OBTAINED USING A TRANSIENT-LINE-SOURCE TECHNIQUE. THIS TECHNIQUE INVOLVES APPLICATION OF HEAT TO THE CENTER OF A CYLINDRICAL SAMPLE FOR A RELATIVELY SHORT TIME PERIOD AND OBSERVATION OF THE TEMPERATURE RISE AT THE SAMPLE CENTER AS A FUNCTION OF TIME. THE THERMAL CONDUCTIVITY IS CALCULATED USING DATA FOR THE POWER APPLIED TO THE SAMPLE, THE MEASURED RISE IN TEMPERATURE, AND THE TIME. (FOR MORE DETAIL SEE SAND88-0624).	D N T
ACQN/DEVL LOCATION : SNL				

T Q
L U L
I A O
F L C
I A
T F T
Y I I
P E O
E D N

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.15.1.3.1				
*SNL04041990001.001	USW G-1 PROBE DATA TOPOPAH SPRING MEMBER.	04/01/89-03/01/91	CHEMICAL ANALYSES OF MINERALS AND "BULK" ANALYSES OF POLYCRYSTALLINE MATRIX MATERIAL WERE MADE USING AN ELECTRON MICROPROBE. AN AUTOMATED FIVE-SPECTROMETER JEOL 733 SUPERPROBE WAS USED. ANALYSES WERE MADE BY WAVELENGTH DISPERSIVE TECHNIQUES, USING A 15 KV ACCELERATION POTENTIAL AND VARIOUS BEAM CURRENTS. (FOR MORE DETAIL SEE SAND91-7031).	A N C
	ACQN/DEVL LOCATION : UNIVERSITY OF NEW MEXICO			
*SNSAND91703100.000	SAND91-7031: "MINERALOGY, PETROLOGY AND WHOLE-ROCK CHEMISTRY DATA COMPILATION FOR SELECTED SAMPLES OF YUCCA MOUNTAIN TUFFS." NNA.911202.0028	04/01/89-03/01/91	PETROLOGIC, BULK CHEMICAL, AND MINERALOGIC DATA ARE PRESENTED FOR 49 SAMPLES OF TUFFACEOUS ROCKS FROM CORE HOLES USW G-1 AND UE-25A#1 AT YUCCA MOUNTAIN, NEVADA. DATA VARY CONSIDERABLY BETWEEN STRATIGRAPHIC GROUPS OF SAMPLES, AND INCLUDED THIN SECTION DESCRIPTIONS, ELECTRON MICROPROBE ANALYSES OF MINERAL PHASES AND MATRIX, MINERAL IDENTIFICATIONS BY X-RAY DIFFRACTION, AND MAJOR ELEMENT ANALYSES WITH UNCERTAINTY ESTIMATES. (FOR MORE DETAIL SEE SAND91-7031).	D N T
	ACQN/DEVL LOCATION : UNM, ALBUQUERQUE, NM			

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
- - -

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.16.1.1.1				
*GS930583116111.001	FLOOD POTENTIAL OF FORTY MILE WASH AND ITS PRINCIPAL SOUTHWESTERN TRIBUTARIES, NEVADA TEST SITE, SOUTHERN NEVADA, BY ROBERT R. SQUIRES AND RICHARD L. YOUNG	01/01/82-01/10/83	REGIONAL ANALYSIS OF STREAMFLOW RECORDS USED TO ESTIMATE 100- AND 500-YEAR DISCHARGES. WATER-SURFACE ALTITUDES WERE ESTIMATED BY SLOPE-CONVEYANCE COMPUTATION.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.17.3.3.2				
**SNF08000000009.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE BARNWELL.	12/08/89-12/08/89	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	A N P
ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS				
*SNSAND85710400.000	SAND85-7104: "GROUND MOTION EVALUATIONS AT YUCCA MOUNTAIN, NEVADA WITH APPLICATIONS TO REPOSITORY CONCEPTUAL DESIGN AND SITING."	03/01/85-02/01/86	URS/JOHN A. BLUME & ASSOCIATES, ENGINEERS, UNDER CONTRACT TO SNL, HAS EVALUATED THE POTENTIAL SEISMIC GROUND MOTION AT YUCCA MOUNTAIN AND CONSIDERED SOME OF THE ENGINEERING ISSUES THAT GROUND MOTION RAISES REGARDING SITING AND CONCEPTUAL DESIGN OF THE REPOSITORY. (SEE SAND85-7104 FOR MORE DETAIL).	D N P
ACQN/DEVL LOCATION : URS/JOHN A. BLUME & ASSOC., ENGINEERS.				

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*SNSAND88303300.000	UNE EVENT AND STATION INFORMATION, SAND88-3033: "TWO-DIMENSIONAL VELOCITY MODELS FOR PATHS FROM PAHUTE MESA AND YUCCA FLAT TO YUCCA MOUNTAIN" NNA.901005.0051	12/17/80-09/24/87	VERTICAL ACCELERATION RECORDINGS OF 21 UNDERGROUND NUCLEAR EXPLOSIONS RECORDED AT STATIONS AT YUCCA MOUNTAIN PROVIDE THE DATA FOR DEVELOPMENT OF THREE TWO-DIMENSIONAL CRYSTAL VELOCITY PROFILES FOR PORTIONS OF THE NEVADA TEST SITE. (FOR MORE DETAIL SEE SAND88-3033).	D N T
ACQN/DEVL LOCATION : SNL				
Activity - 8.3.1.17.3.5.2				
*GS930583117352.001	A STUDY OF GROUND MOTION ATTENUATION IN THE SOUTHERN GREAT BASIN, NEVADA-CALIFORNIA, USING SEVERAL TECHNIQUES FOR ESTIMATES OF QS, LOG AO, AND CODA Q, BY A.M. ROGERS, S.C. HARMSSEN, R.B. HERRMANN, AND M.E. MEREMONTE	01/01/85-05/21/85	REGRESSION MODEL SIMILAR TO BAKUN AND JOYNER (1984, BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA), USED TO EVALUATE DECAY OF VERTICAL COMPONENT PEAK AMPLITUDES IN THE SOUTHERN GREAT BASIN. ABILITY OF MODEL TO EXTRACT CORRECT ATTENUATION BY STOCHASTIC SIMULATION. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.3.6.2				
*GS930583117362.001	A RECONNAISSANCE ASSESSMENT OF PROBABLISTIC EARTHQUAKE ACCELERATIONS AT THE NEVADA TEST SITE, BY DAVID M. PERKINS, PAUL C. THENHAUS, STANLEY L. HANSON, AND S.T. ALGERMISSEN	01/01/86-04/02/86	CREATION OF AN EARTHQUAKE PROBABILITY MODEL BASED ON HISTORICAL SEISMICITY AND FAULT MAPPING.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.17.4.1.1				
**GS930383117411.001	ANALYSIS OF EARTHQUAKE DATA RECORDED BY DIGITAL FIELD SEISMIC SYSTEMS, JACKASS FLATS, NEVADA, BY A.C. TARR AND A.M. ROGERS.	01/01/85-05/30/86	SUMMARIES OF 1) RESULTS OF SPECTRAL ANALYSES OF 10 EARTHQUAKES OCCURRING IN/NEAR THE NTS AND 2) EVIDENCE SUPPORTING THE VALIDITY OF THE NEW SOUTHERN GREAT BASIN SEISMIC NETWORK (SGBSN) CODA DURATION MAGNITUDE SCALE. ARRIVAL TIMES AND FIRST MOTIONS DETERMINED BY SEISMIC DATA ANALYSIS PKG. (SDAP) PROGRAM. SPECTRA DETERMINED BY SPCJMP ANALYSIS PROGRAM. MOMENT MAGNITUDES DETERMINED USING MOMENT-MAG. RELATIONSHIP ADAPTED FROM BAKUN, W.H., 1984, SEISMIC MOMENTS, LOCAL MAGNITUDES, AND CODA DURATION MAGNITUDES FOR EARTHQUAKES IN CENTRAL CA, BULLETIN SEISMOLOGICAL SOC. OF AMER., V.74. FOCAL MAGNITUDE DETERMINED BY TRANFORMING THE DIGITAL VELOCITY TIME-SERIES INTO A DISPLACEMENT TIME-SERIES FOR A STANDARD WOOD-ANDERSON SEISMOGRAPH AND SCALING THE MAXIMUM DISPLACEMENT AMPLITUDE PEAK GROUND MOTION PARAMETERS DETERMINED BY COMBINING HYPOCENTRAL DISTANCE, DENSITY, PEAK VELOCITY AND PEAK ACCELERATION	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.3.2				
**GS900983117432.001	PRELIMINARY REPORT ON LATE CENOZOIC FAULTING AND STRATIGRAPHY IN THE VICINITY OF YUCCA MOUNTAIN, NYE COUNTY, NV, BY WC SWADLEY, D.L. HOOVER, AND J.N. ROSHOLT.	01/01/84-12/31/84	GEOLOGIC MAPPING OF SURFICIAL DEPOSITS AND EXAMINATION OF FAULTS IN NATURAL AND TRENCHED EXPOSURES IN A 1100 SQ.KM. AREA AROUND YUCCA MOUNTAIN RESULTING IN THE IDENTIFICATION OF 32 FAULTS THAT OFFSET OR FRACTURE QUATERNARY DEPOSITS.	D N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930583117432.003	NEW PERSPECTIVES OF QUATERNARY FAULTING IN THE SOUTHERN WALKER LANE, NEVADA AND CALIFORNIA, BY MARITH C. REHEIS AND JAY S. NOLLER	01/01/87-11/12/87	DESCRIPTIONS AND INTERPRETATIONS OF AERIAL PHOTOGRAPHS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930583117432.004	REGIONAL TERMINATION AND SEGMENTATION OF QUATERNARY FAULT BELTS IN THE GREAT BASIN, NEVADA AND UTAH BY P.C. THENHAUS AND T.P. BARNHARD.	01/01/88-10/12/88	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930583117432.005	GEOLOGIC MAP OF THE QUATERNARY AND TERTIARY DEPOSITS OF THE BIG DUNE QUADRANGLE, NYE COUNTY, NEVADA, AND INYO COUNTY, CALIFORNIA, BY WC SWADLEY AND W.J. CARR	01/01/83-10/19/83	MAP PREPARED USING AERIAL PHOTOGRAPHS, VISUAL INTERPRETATIONS, AND PREVIOUSLY PUBLISHED MATERIAL.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930583117432.006	GEOLOGIC MAP OF THE SURFICIAL DEPOSITS OF THE JACKASS FLATS QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND D.L. HOOVER ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/87-02/01/88	SURFICIAL GEOLOGIC MAP PREPARED USING AERIAL PHOTOGRAPHS, VISUAL INTERPRETATIONS, AND PREVIOUSLY PUBLISHED MATERIAL.	D N P
*GS930583117432.007	SURFICIAL GEOLOGIC MAP OF THE SPECTER RANGE NW QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND H.E. HUCKINS ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/85-02/28/86	SURFICIAL GEOLOGIC MAP PREPARED USING VISUAL INTERPRETATIONS, AERIAL PHOTOGRAPHS, AND PREVIOUSLY PUBLISHED MATERIAL.	D N P
*GS930583117432.008	GEOLOGIC MAP OF THE SURFICIAL DEPOSITS OF THE SKULL MOUNTIAN QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND H.E. HUCKINS. ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/87-01/29/88	SURFICIAL GEOLOGIC MAP PREPARED USING VISUAL INTERPRETATIONS, AERIAL PHOTOGRAPHS, AND PREVIOUSLY PUBLISHED MATERIALS.	D N P
*GS930583117432.009	LOGS OF TRENCHES ACROSS THE BEATTY SCARP, NYE COUNTY, NEVADA, BY WC SWADLEY, H.E. HUCKINS, AND E.M. TAYLOR. ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/85-08/13/85	TRENCHES WERE LOGGED AND STRATIGRAPHY WAS CHARACTERIZED BY VISUAL INTERPRETATIONS, RADIOMETRIC DATING, AND CORRELATION WITH PREVIOUSLY PUBLISHED STRATIGRAPHIC CHARACTERIZATIONS.	D N P

T Q
U L
I A O
F L C
I A
T F T
Y I I
P E O
E D N

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.1.3				
*GS930408318512.005	TECTONICS, SEISMICITY, VOLCANISM AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1980 REPORT.	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION AND DEPOSITION STUDIES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
*GS930408318512.006	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR, A.M. ROGERS, AND B.M. CROWE -- FY 1982 REPORT.	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS OF TECTONIC, SEISMIC, AND VOLCANIC STUDIES INCLUDING MAPPING, PALEOZOIC STRUCTURE, AND EARTHQUAKE DATA.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
*GS930508318512.007	TECTONICS, SEISMICITY, VOLCANISM, AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1979 REPORT.	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION, AND DEPOSITION STUDIES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930508318512.008	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR AND A.M. ROGERS -- FY 1981 REPORT.	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, AND VOLCANIC STUDIES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.2				
*SNSAND90249100.000	SAND90-2491: "SUMMARY AND EVALUATION OF EXISTING GEOLOGICAL AND GEOPHYSICAL DATA NEAR PROSPECTIVE SURFACE FACILITIES IN MIDWAY VALLEY, YUCCA MOUNTAIN PROJECT, NYE COUNTY, NEVADA"	06/01/89-12/01/90	REVIEW AVAILABLE PUBLISHED AND UNPUBLISHED LITERATURE, MAPS, AND DATA THAT ARE RELEVANT TO EVALUATION OF THE STRATIGRAPHY, STRUCTURE, AND TECTONICS OF THE MIDWAY VALLEY AREA. EMPHASIS WAS PLACED ON : (1) INFORMATION PERTAINING TO THE NATURE AND AGES OF THE QUATERNARY DEPOSITS, SOILS, AND GEOMORPHIC SURFACES; AND (2) THE NATURE AND TIMING OF LATE CENOZOIC FAULTING IN THE REGION.	D N P
ACQN/DEVL LOCATION : SNL				
Activity - 8.3.1.17.4.3.1				
**GS911283117431.003	REVISION OF AN AEROMAGNETIC SURVEY OF THE LATHROP WELLS AREA, NEVADA, BY V.E. LANGENHEIM, S.F. CARLE, D.A. PONCE, AND J.D. PHILLIPS.	01/01/90-01/28/91	FLIGHTLINE DATA GAPS RESTORED BY LINEAR INTERPOLATION AND ESTIMATED VALUES OF THE RESIDUAL MAGNETIC FIELD. HORIZONTAL POSITIONING RESTORED BY COMPARISON OF PHOTOGRAPHIC FILMSTRIPS WITH ORTHOPHOTO QUADRANGLES.	D N C
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930583117432.010	SURFICIAL GEOLOGIC MAP OF THE BARE MOUNTAIN QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND L.D. PARRISH ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/84-03/28/85	GEOLOGIC MAP OF AREA CONSTRUCTED USING AERIAL PHOTOGRAPHS COMBINED WITH PREVIOUSLY PUBLISHED MATERIAL.	D N P
*GS930583117432.011	GEOLOGIC MAP OF THE SURFICIAL DEPOSITS OF THE TOPOPAH SPRING QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND D.L. HOOVER ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-07/15/88	SURFICIAL GEOLOGIC MAP PREPARED USING AERIAL PHOTOGRAPHS, VISUAL INTERPRETATIONS, AND PREVIOUSLY PUBLISHED MATERIAL.	D N P
Activity - 8.3.1.17.4.3.4				
*GS930583117434.001	STOP 6: NORTHERN BARE MOUNTAIN, FLUOROSPAR CANYON, BY M.D. CARR ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/88-04/18/89	AUTHOR'S SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS.	D N P
Activity - 8.3.1.17.4.4.1				
*GS930583117441.002	TRENCH LOGS FROM A STRAND OF THE ROCK VALLEY FAULT SYSTEM, NEVADA TEST SITE, NYE COUNTY, NEVADA, BY J.C. YOUNT, R.R. SHROBA, C.R. MCMASTERS, H.E. HUCKINS, AND E.A. RODRIGUEZ. ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/84-03/21/85	INTERPRETATION OF THE NATURE, AMOUNTS, AND AGES OF FAULTING IN TRENCHES RV-1 AND RV-2 USING SEPARATION FACTORS AND CLAST FABRIC ANALYSES. AGES OF LITHOLOGIC UNITS BY URANIUM-TREND DATING. SOIL PROPERTIES USING BIRKELAND METHODS (1984) AND PRESENTED IN TABULAR FORM. LONG-AXIS FABRIC DATA ANALYZED BY EIGENVALUE AND EIGENVECTOR TECHNIQUES. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.5.2				
*GS930483117452.002	DETACHMENT FAULTING IN THE DEATH VALLEY REGION, CALIFORNIA AND NEVADA, BY WARREN HAMILTON.	01/01/85-02/12/86	GENERAL STRUCTURAL STYLE INFERRED FROM FIVE SEISMIC REFLECTION PROFILES RECORDED BY VIBROSEIS BY CONTINENTAL REFLECTION PROFILING OF CORNELL UNIVERSITY.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930583117452.003	STRUCTURAL GEOLOGY OF THE UPPER PLATE OF THE BULLFROG HILLS DETACHMENT FAULT SYSTEM, SOUTHERN NEVADA, BY FLORIAN MALDONADO	01/01/87-12/13/88	SUMMARIES AND INTERPRETATIONS OF OTHER WORKS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS930583117452.004	STOP 5: DETACHMENT FAULTING AND MINERALIZATION AT BULLFROG MOUNTAIN, BULLFROG HILLS AREA, BY FLORIAN MALDONADO	01/01/88-04/18/89	AUTHORS' VISUAL DESCRIPTIONS, INTERPRETATIONS AND SUMMARIES OF PREVIOUSLY PUBLISHED REPORTS.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.6.1				
**GS900983117461.001	PRELIMINARY STUDY OF QUATERNARY FAULTING ON THE EAST SIDE OF BARE MOUNTAIN, NYE COUNTY, NEVADA BY MARITH C. REHEIS.	06/01/85-06/30/85	USGS STANDARD COLLECTION METHODS.	D N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS930283117461.002	GEOLOGY OF DRILL HOLE UE25P#1 (UE-25P #1): A TEST HOLE INTO PRE-TERTIARY ROCKS NEAR YUCCA MOUNTAIN, SOUTHERN NEVADA, BY M.D. CARR, S.J. WADDELL, G.S. VICK, J.M. STOCK, S.A. MONSEN, A.G. HARRIS, B.W. CORK, AND F.M. BYERS, JR.	05/24/83-03/12/86	INTERPRETATIONS OF THE PRE-CENOZOIC STRATIGRAPHY AND CORRELATION WITH A SILURIAN SECTION AT BARE MTN., CENOZOIC STRATIGRAPHY AND PETROGRAPHY, STRUCTURAL GEOLOGY, LITHOLOGIC LOG, CONODONT FAUNAS, AND DESCRIPTION OF THIN SECTIONS FROM THE PALEOZOIC SECTION.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
*GS930408318512.005	TECTONICS, SEISMICITY, VOLCANISM AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1980 REPORT.	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION AND DEPOSITION STUDIES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
*GS930408318512.006	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR, A.M. ROGERS, AND B.M. CROWE -- FY 1982 REPORT.	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS OF TECTONIC, SEISMIC, AND VOLCANIC STUDIES INCLUDING MAPPING, PALEOZOIC STRUCTURE, AND EARTHQUAKE DATA.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930508318512.007	TECTONICS, SEISMICITY, VOLCANISM, AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1979 REPORT. ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION, AND DEPOSITION STUDIES.	D N P
*GS930508318512.008	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR AND A.M. ROGERS -- FY 1981 REPORT. ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, AND VOLCANIC STUDIES.	D N P
Activity - 8.3.1.17.4.6.2				
*GS930483117462.002	PRELIMINARY TRENCH LOG AND ACCOMPANYING LITHOLOGIC AND STRUCTURAL DESCRIPTIONS FOR INNER WALL, NORTH BRANCH, OF TRENCH 14D; PREPARED BY C. MENGES, R. CRESS, AND G. VADURRO. THIS LOG PREPARED FOR THE INNER (SOUTHERN) WALL OF THE NORTH BRANCH OF THE BOX PORTION OF MODIFIED TRENCH 14D. ACQN/DEVL LOCATION : TRENCH 14	07/09/92-03/26/93	TECHNICAL PROCEDURE NWM-USGS GP-07,R1, CONVENTIONAL GEOLOGIC MAPPING OF TRENCH WALLS.	A Y P

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.7.1				
*GS930683117471.001	COMPLETE BOUGUER GRAVITY MAP OF THE NEVADA TEST SITE AND VICINITY, NEVADA, BY D.L. HEALEY, R.N. HARRIS, D.A. PONCE AND H.W. OLIVER.	01/01/87-08/21/87	MAP PRODUCED USING METHODS, CALIBRATIONS, AND CALCULATIONS OF HARRIS AND OTHERS, 1989, USGS OFR 89-628A AND -628B. FREE-AIR GRAVITY ANAMOLY CALCULATIONS BASED ON GEODETIC REFERENCE SYSTEM 1967 FORMULA AND SWICK'S FORMULA, 1942, PENDULUM GRAVITY MEASUREMENTS AND ISOSTATIC REDUCTION. TERRAIN CORRECTIONS BASED ON PROCEDURE OF PLOUFF, 1977, USGS OFR 77-535. COMPLETE BIBLIOGRAPHIC CITATIONS ARE IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.17.4.7.2				
*GS930483117472.003	PRELIMINARY INTERPRETATION OF SEISMIC-REFRACTION AND GRAVITY STUDIES WEST OF YUCCA MOUNTAIN, NEVADA AND CALIFORNIA, BY H.D. ACKERMAN, W.D. MOONEY, D.B. SNYDER, AND V.D. SUTTON.	01/01/85-10/21/85	SUMMARIES AND GEOLOGIC INTERPRETATIONS OF SEISMIC REFRACTION DATA. SEISMIC REFRACTION DATA PROCESSES BY DIRECT COMPUTER INVERSION OF THE DATA METHOD, ACKERMAN AND OTHERS, 1982, A COMPREHENSIVE SYSTEM FOR INTERPRETING SEISMIC REFRACTION ARRIVAL-TIME DATA USING INTERACTIVE COMPUTER METHODS, USGS OFR 82-1065.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				
*GS930483117472.004	HIGH-PRECISION GRAVITY NETWORK TO MONITOR TEMPORAL VARIATIONS IN GRAVITY ACROSS YUCCA MOUNTAIN, NEVADA, BY R.N. HARRIS AND D.A. PONCE.	01/01/87-03/15/88	ANALYSIS OF HIGH-PRECISION GRAVITY-LOOP DATA TAKEN 6/85, 11/85, 6/86. DEVELOPMENT INCLUDES: 1) UNIT CONVERSION USING FACTORY CALIBRATION TABLES AND CORRECTION FACTORS 2) EARTH-TIDE CORRECTIONS BASED UPON LONGMAN, I.M., 1959, FORMULAS FOR COMPUTING THE TIDAL ACCELERATIONS DUE TO THE MOON AND SUN: JOURNAL OF GEOPHYSICAL RESEARCH, V.64 3) CORRECTIONS FOR ABRUPT "TARE" CHANGES 4) LEAST SQUARES. TEXT DETAILS GRAVITY METER CALIBRATION AND SURVEY PROCEDURE METHODS.	D N P
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930583117472.005	GRAVITY AND MAGNETIC EVIDENCE FOR A GRANITIC INTRUSION NEAR WAHMONIE SITE, NEVADA TEST SITE, NEVADA, BY DAVID A. PONCE	01/01/83-06/10/83	TWO DIMENSIONAL GRAVITY MODEL CONSTRUCTED USING MAGNETIC, SEISMIC, AND ELECTRIC DATA.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
*GS930583117472.006	REGIONAL GEOLOGICAL AND GEOPHYSICAL MAPS OF THE SOUTHERN GREAT BASIN BY T.G. HILDENBRAND, A.M. ROGERS, H.W. OLIVER, S.C. HARMSSEN, J.K. NAKATA, D.S. AITKEN, R.N. HARRIS, AND M.D. CARR.	01/01/87-01/01/88	REPORT CONTAINS A COLLECTION OF MAPS DEVELOPED BY USING PREVIOUSLY PUBLISHED DATA. THE MAPS PRESENT AN OVERVIEW OF THE GENERAL GRAVITY, AEROMAGNETIC, AND TERRAIN FEATURES. TEXT DISCUSSES REDUCTION PROCESSES, ASSUMPTIONS, AND APPLIED EQUATIONS WHERE APPLICABLE.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.17.4.7.3				
*GS930583117472.005	GRAVITY AND MAGNETIC EVIDENCE FOR A GRANITIC INTRUSION NEAR WAHMONIE SITE, NEVADA TEST SITE, NEVADA, BY DAVID A. PONCE	01/01/83-06/10/83	TWO DIMENSIONAL GRAVITY MODEL CONSTRUCTED USING MAGNETIC, SEISMIC, AND ELECTRIC DATA.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
*GS930583117472.006	REGIONAL GEOLOGICAL AND GEOPHYSICAL MAPS OF THE SOUTHERN GREAT BASIN BY T.G. HILDENBRAND, A.M. ROGERS, H.W. OLIVER, S.C. HARMSSEN, J.K. NAKATA, D.S. AITKEN, R.N. HARRIS, AND M.D. CARR.	01/01/87-01/01/88	REPORT CONTAINS A COLLECTION OF MAPS DEVELOPED BY USING PREVIOUSLY PUBLISHED DATA. THE MAPS PRESENT AN OVERVIEW OF THE GENERAL GRAVITY, AEROMAGNETIC, AND TERRAIN FEATURES. TEXT DISCUSSES REDUCTION PROCESSES, ASSUMPTIONS, AND APPLIED EQUATIONS WHERE APPLICABLE.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930583117473.001	AEROMAGNETIC MAP OF NEVADA, LAS VEGAS SHEET, BY R.W. SALTUS AND D.A. PONCE ACQN/DEVL LOCATION : USGS, MENLO PARK, CA Activity - 8.3.1.17.4.7.4	01/01/87-12/02/87	MAP WAS PREPARED USING PREVIOUSLY PUBLISHED MATERIALS.	D N P
*GS930583117472.005	GRAVITY AND MAGNETIC EVIDENCE FOR A GRANITIC INTRUSION NEAR WAHMONIE SITE, NEVADA TEST SITE, NEVADA, BY DAVID A. PONCE ACQN/DEVL LOCATION : USGS, MENLO PARK, CA Activity - 8.3.1.17.4.7.5	01/01/83-06/10/83	TWO DIMENSIONAL GRAVITY MODEL CONSTRUCTED USING MAGNETIC, SEISMIC, AND ELECTRIC DATA.	D N P
**GS930383117475.001	TIME-DOMAIN ELECTROMAGNETIC SOUNDINGS AT THE NEVADA TEST SITE, NEVADA, BY F.C. FRISCHKNECHT AND P.V. RAAB. ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/83-01/01/84	DESCRIPTIONS OF WORK DONE NEAR YM TO DEVELOP AND DEMONSTRATE ELECTROMAGNETIC SOUNDING METHODS WHICH WOULD BE EFFECTIVE IN GEOLOGICALLY COMPLICATED REGIONS. EFFORTS FOCUSED ON SHORT-OFFSET (NEAR ZONE) TIME-DOMAIN ELECTROMAGNETIC (TDEM) TECHNIQUES IN WHICH THE RECEIVING LOOP IS INSIDE OR VERY NEAR THE TRANSMITTING LOOP.	D N P
*GS930583117475.002	SOME RECONNAISSANCE-TYPE ELECTRICAL SURVEYS OF TIMBER MOUNTAIN CALDERA, NYE COUNTY, NEVADA, BY J. ZABLOCKI ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/78-01/01/79	TELLURIC PROFILES WERE OBTAINED BY: 1) TELLURIC CURRENT J-MAPPING (METHOD OF KELLER AND FRISCHKNECHT, 1966, ELECTRICAL METHODS IN GEOPHYSICAL PROSPECTING), 2) TELLURIC PROFILING (METHOD OF BEYER, 1977, TELLURIC AND D.C. RESISTIVITY TECHNIQUES...), AND 3) AUDIOMAGNETOTELLURIC (METHOD OF HOOVER, D.B., AND OTHERS, 1978, GEOPHYSICS, V. 43) . COMPLETE BIBLIOGRAPHIC CITATIONS ARE IN REPORT.	D N P

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

SITE CHARACTERIZATION PLAN BASELINE

ION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
OF THE TOPOGRAPHIC STRESSES AT YUCCA VA, BY HENRI S. SWOLFS, AGE, AND WILLIAM L. ELLIS.	01/01/85-07/24/86	SOLUTION FOR TOPOGRAPHICALLY INDUCED STRESSES DERIVED FROM KOLOSOV-MUSKHELISHVILI METHOD OF COMPLEX POTENTIALS FOR PLANE ELASTICITY, SAVAGE, W.Z., AND OTHERS, 1985, GRAVITATION OF STRESSES IN LONG SYMMETRIC RIDGES AND VALLEYS: INTERNATIONAL JOURNAL OF ROCK MECHANICS, MINERAL SCIENCE, AND GEOCHEMICAL ABSTRACTS. CONFORMAL MAPPING FUNCTION USED TO TRANSFORM A SYMMETRIC RIDGE INTO A HALF-PLANE TO OBTAIN GRAVITY-INDUCED STRESSES.	D N P
ION : USGS, DENVER, CO			
UT THE LOCAL STRESS FIELD MECHANISMS: APPLICATIONS TO THE SOUTHERN GREAT BASIN S.C. HARMSSEN AND A.M.	01/01/85-01/13/86	SOURCE DATA USED TO INFER PROPERTIES OF REGIONAL STRESS FIELD. DETERMINATION OF AVERAGE STRESS FIELD IS BY INVERSION OF PALEOSTRAIN OR FOCAL MECHANISM DATA, METHOD OF ANGELIER, J., 1984, TECTONIC ANALYSIS OF FAULT SLIP DATA SETS, J. GEOPHYS. RES., 89. COMPLETE BIBLIOGRAPHIC CITATION IN REPORT.	D N P
ION : USGS, DENVER, CO			
ING AND FRACTURE BEHAVIOR TEST SITE TUFFS, BY C. MYERLEE	01/01/83-03/21/84	DIFFERENTIAL STRESS-AXIAL CURVES WERE PRODUCED TO DETERMINE COEFFICIENT OF FRICTION.	D N P
ION : USGS, MENLO PARK, CA			

SITE CHARACTERIZATION PLAN BASELINE

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930583117481.005	HYDRAULIC FRACTURING STRESS MEASUREMENTS AT YUCCA MOUNTAIN, NEVADA, AND RELATIONSHIP TO THE REGIONAL STRESS FIELDS BY J.M. STOCK, J.H. HEALY, S.H. HICKMAN, AND M.D. ZOBACK.	01/01/84-07/02/84	RESULTS FROM EIGHT TESTS TAKEN IN THE SZ FOR WELLS USW G-1 AND G-2. MAGNITUDES AND DIRECTIONS OF PRINCIPAL STRESSES USING HYDRAULIC FRACTURING DESCRIBED BY HICKMAN AND ZOBACK (1983) AND HAIMSON AND FAIRHURST (1967). FRACTURE PROPERTIES BY INTERPRETATION OF ACOUSTIC BOREHOLE TELEVIEWER-LOGS. FRACTURE DIP DIRECTIONS AND BREAKOUTS CHARACTERIZED BY EQUAL-AREA PROJECTION PLOTS AND ROSE DIAGRAMS. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.17.4.8.2				
*GS930583117482.001	TOPOGRAPHY, STRESSES, AND STABILITY AT YUCCA MOUNTAIN, NEVADA, BY H.S. SWOLFS AND W.Z. SAVAGE	01/01/84-03/05/85	METHOD OF SAVAGE, W.Z. AND OTHERS, 1983, USGS OFR 83-401, USED TO DERIVE SOLUTION FOR TOPOGRAPHICALLY INDUCED STRESS BY KOLOSOV-MUSKHELISHVILI METHOD OF COMPLEX POTENTIALS FOR PLANE ELASTICITY. CONFORMAL MAPPING FUNCTION TRANSFORMED ISOLATED SYMMETRIC RIDGE INTO A HALF-PLANE IN WHICH EXPRESSIONS ARE OBTAINED FOR GRAVITY INDUCED STRESSES IN SYMMETRIC RIDGE. PUMPING RATES VERSUS PRESSURE PLOTS YIELDED ESTIMATE FOR SHUT-IN PRESSURES. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D N P
ACQN/DEVL LOCATION : USGS, DENVER, CO				

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17.4.12.1				
*GS930408318512.005	TECTONICS, SEISMICITY, VOLCANISM AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1980 REPORT.	01/01/81-05/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION AND DEPOSITION STUDIES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
*GS930408318512.006	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR, A.M. ROGERS, AND B.M. CROWE -- FY 1982 REPORT.	01/01/83-01/01/84	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS OF TECTONIC, SEISMIC, AND VOLCANIC STUDIES INCLUDING MAPPING, PALEOZOIC STRUCTURE, AND EARTHQUAKE DATA.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
*GS930431174121.001	VOLCANO-TECTONIC SETTING OF YUCCA MOUNTAIN AND CRATER FLAT, SOUTHWESTERN NEVADA, BY W.J. CARR.	01/01/85-11/08/85	INTERPRETATIONS BASED ON A COMPILATION OF OTHER WORKS.	D N P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
*GS930508318512.007	TECTONICS, SEISMICITY, VOLCANISM, AND EROSION RATES IN THE SOUTHERN GREAT BASIN, BY W.J. CARR AND A.M. ROGERS -- FY 1979 REPORT.	01/01/81-01/01/82	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, VOLCANIC, EROSION, AND DEPOSITION STUDIES.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

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

SITE CHARACTERIZATION PLAN BASELINE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS930508318512.008	TECTONICS, SEISMICITY, AND VOLCANISM OF THE SOUTHERN GREAT BASIN BY W.J. CARR AND A.M. ROGERS -- FY 1981 REPORT. ACQN/DEVL LOCATION : USGS, DENVER, CO.	01/01/82-01/01/83	SUMMARIES/INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND PRELIMINARY RESULTS FROM TECTONIC, SEISMIC, AND VOLCANIC STUDIES.	D N P
*GS930531174121.002	FISSION-TRACK DATING OF THE CLIMAX AND GOLD MEADOWS STOCKS, NYE COUNTY, NEVADA, BY C.W. NAESAR AND FLORIAN MALDONADO ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/79-01/01/80	APATITE DATED BY POPULATION METHOD (NAESAR, C.W., 1976, FISSION-TRACK DATING: USGS OFR 76-190). ZIRCON AND SPHENE DATED BY EXTERNAL-DETECTOR METHOD (NAESAR, C.W., OF CIT.)	D N P
Activity - 8.3.2.4.1.1				
*SNSAND86713000.000	SAND86-7130: "LABORATORY DETERMINATION OF THE MECHANICAL, ULTRASONIC AND HYDROLOGIC PROPERTIES OF WELDED TUFF FROM THE GROUSE CANYON HEATED BLOCK SITE" ACQN/DEVL LOCATION : SNL	01/01/86-07/01/87	BULK DENSITY, MOISTURE CONTENT, PERCENT SATURATION, AND POROSITY WERE DETERMINED FROM SAMPLES COLLECTED FROM A FRESHLY BLASTED MUCK PILE OF GROUSE CANYON WELDED TUFF IN EXTENSOMETER DRIFT IN U12G TUNNEL. PHYSICAL PROPERTY MEASUREMENTS CONDUCTED WITHIN 3 DAYS OF THE SAMPLING. COMPRESSIVE STRENGTH WAS DETERMINED USING STANDARD UNIAXIAL AND TRIAXIAL COMPRESSION METHODS. TENSILE STRENGTH DETERMINED USING BRAZILIAN INDIRECT METHOD. (SEE SAND86-7130 FOR MORE DETAIL).	D N P

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
- - -

SITE CHARACTERIZATION PLAN BASELINE - PROTOTYPE

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*SNSAND82244100.000	SAND82-2441: "EMPIRICALLY DETERMINED UNCERTAINTY IN POTASSIUM-ARGON AGES FOR PLIO-PLEISTOCENE BASALTS FROM CRATER FLAT, NYE COUNTY, NEVADA"	04/01/82-04/01/83	SIX SAMPLES OF BASALT FROM EACH OF FOUR SITES IN CRATER FLAT, NYE COUNTY, NEVADA, WERE DATED BY POTASSIUM-ARGON ISOTOPIC METHODS, BY EACH OF THREE SEPARATE GEOCHRONOLOGY LABORATORIES. THIS REPORT PRESENTS RESULTS, CONCLUSIONS, AND RECOMMENDATIONS FROM THE EXPERIMENTS TO ASSESS UNCERTAINTY IN POTASSIUM-ARGON ISOTOPIC AGE DETERMINATIONS FOR LATE CENOZOIC BASALTS. (SEE SAND82-2441 FOR MORE DETAIL).	D N P

ACQN/DEVL LOCATION : SNL

SOCIOECONOMIC PLAN

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

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*TM00121361T1DB.003	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, JANUARY 1993 THROUGH MARCH 1993 ACQN/DEVL LOCATION : T&MSS	01/01/93-03/31/93	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	A Y C

APPENDIX A

SITE CHARACTERIZATION PROGRAM BASELINE ACTIVITY NUMBERS AND NAMES

ACTIVITY NO.	ACTIVITY NAME
8.3.1.2.1.1.1	Precipitation and meteorological monitoring
8.3.1.2.1.2.1	Surface-water runoff monitoring
8.3.1.2.1.2.2	Transport of debris by severe runoff
8.3.1.2.1.3.1	Assessment of the regional hydrogeologic data needs in the saturated zones
8.3.1.2.1.3.2	Regional potentiometric-level distribution and hydrogeologic framework studies
8.3.1.2.1.3.3	Fortymile Wash recharge study
8.3.1.2.1.3.4	Evapotranspiration studies
8.3.1.2.1.4.1	Conceptualization of regional hydrologic flow models
8.3.1.2.1.4.2	Subregional two-dimensional area hydrologic modeling
8.3.1.2.2.1.1	Characterization of hydrological properties of surficial materials
8.3.1.2.2.1.2	Evaluation of natural infiltration
8.3.1.2.2.3.1	Matrix hydrologic properties testing
8.3.1.2.2.3.2	Site vertical borehole studies
8.3.1.2.2.4.2	Percolation tests in the Exploratory Studies Facility
8.3.1.2.2.4.8	Hydrochemistry tests in the Exploratory Studies Facility
8.3.1.2.2.4.9	Multipurpose-borehole testing
8.3.1.2.2.6.1	Gaseous-phase circulation study
8.3.1.2.2.7.1	Gaseous - phase chemical investigations

ACTIVITY NO.	ACTIVITY NAME
8.3.1.2.2.7.2	Aqueous-phase chemical investigations
8.3.1.2.2.8.1	Development of conceptual and numerical models of fluid flow in unsaturated, fractured rock
8.3.1.2.2.9.1	Conceptualization of the unsaturated-zone hydrogeologic system
8.3.1.2.2.9.3	Simulation of the natural hydrogeologic system
8.3.1.2.3.1.2	Site potentiometric-level evaluation
8.3.1.2.3.1.3	Analysis of single- and multiple-well hydraulic-stress tests
8.3.1.2.3.1.4	Multiple-well interference testing
8.3.1.2.3.1.6	Well testing with conservative tracers throughout the site
8.3.1.2.3.2.1	Assessment of saturated-zone hydrochemical data availability and needs
8.3.1.2.3.2.2	Hydrochemical characterization of water in the upper part of the saturated zone
8.3.1.2.3.2.3	Regional hydrochemical tests and analyses
8.3.1.2.3.3.1	Conceptualization of saturated-zone flow models within the boundaries of the accessible environment
8.3.1.3.1.1	Ground-water chemistry model
8.3.1.3.2.1	Mineralogy, petrology, and chemistry of transport pathways
8.3.1.3.2.1.1	Petrologic stratigraphy of the Topopah Spring Member
8.3.1.3.2.1.2	Mineral distributions between the host rock and the accessible environment
8.3.1.3.2.1.3	Fracture mineralogy
8.3.1.3.2.2.1	History of mineralogic and geochemical alteration of Yucca Mountain

ACTIVITY NO.	ACTIVITY NAME
8.3.1.3.2.2.2	Smectite, zeolite, manganese minerals, glass dehydration, and transformation
8.3.1.3.4.1	Batch sorption studies
8.3.1.3.4.1.1	Batch sorption measurements as a function of solid phase composition
8.3.1.3.4.2	Biological sorption and transport
8.3.1.3.5.1.1	Solubility measurements
8.3.1.3.6.1.1	Crushed tuff column experiments
8.3.1.3.6.2.1	Uptake of radionuclides on rock beakers in a saturated system
8.3.1.3.6.2.2	Diffusion through a saturated tuff slab
8.3.1.4.2.1.1	Surface and subsurface stratigraphic studies of the host rock and surrounding units
8.3.1.4.2.1.2	Surface-based geophysical surveys
8.3.1.4.2.1.3	Borehole geophysical surveys
8.3.1.4.2.1.4	Petrophysical properties testing
8.3.1.4.2.1.5	Magnetic properties and stratigraphic correlations
8.3.1.4.2.1.6	Integration of geophysical activities
8.3.1.4.2.2	Characterization of the structural features within the site area
8.3.1.4.2.2.1	Geologic mapping of zonal features in the Paintbrush Tuff
8.3.1.4.2.2.2	Surface-fracture network studies
8.3.1.4.2.2.3	Borehole evaluation of faults and fractures
8.3.1.4.2.2.4	Geologic mapping of the Exploratory Studies Facility
8.3.1.4.2.2.5	Seismic tomography/vertical seismic profiling

ACTIVITY NO.	ACTIVITY NAME
8.3.1.4.2.3.1	Development of a three-dimensional geologic model of the site area
8.3.1.4.3.1	Systematic acquisition of site-specific subsurface information
8.3.1.4.3.1.1	Systematic drilling program
8.3.1.5.1.1.1	Synoptic characterization of regional climate
8.3.1.5.1.2.1	Paleontologic analyses
8.3.1.5.1.2.2	Analysis of the stratigraphy-sedimentology of marsh lacustrine, and playa deposits
8.3.1.5.1.3.1	Analysis of pack rat middens
8.3.1.5.1.3.3	Determination of vegetation-climate relationships
8.3.1.5.1.4.1	Modeling of soil properties in the Yucca Mountain region
8.3.1.5.1.4.2	Surficial deposits mapping of the Yucca Mountain area
8.3.1.5.1.4.3	Eolian history of the Yucca Mountain region
8.3.1.5.2.1.1	Regional paleoflood evaluation
8.3.1.5.2.1.2	Quaternary unsaturated zone hydrochemical analysis
8.3.1.5.2.1.3	Evaluation of past discharge areas
8.3.1.5.2.1.4	Analog recharge studies
8.3.1.5.2.1.5	Studies of calcite and opaline silica vein deposits
8.3.1.6.1.1.1	Development of a geomorphic map of Yucca Mountain
8.3.1.6.1.1.2	Analysis of the downcutting history of Fortymile Wash and its tributaries
8.3.1.6.1.1.3	An analysis of hillslope erosion at Yucca Mountain
8.3.1.6.2.1.1	Synthesis and data evaluation of impact of future climatic conditions on locations and rates of erosion

<u>ACTIVITY NO.</u>	<u>ACTIVITY NAME</u>
8.3.1.6.3.1.1	Synthesis and data evaluation of the impact of future uplift or subsidence and faulting on erosion at Yucca Mountain and vicinity
8.3.1.8.1.1.3	Presence of magma bodies in the vicinity of the site
8.3.1.8.1.2.1	Eruptive effects
8.3.1.8.3.2.2	Assessment of the effects of igneous intrusions on water-table elevations
8.3.1.8.3.2.5	Effects of faulting on water-table elevation
8.3.1.8.5.1.2	Geochronology studies
8.3.1.8.5.1.3	Field geologic studies
8.3.1.8.5.1.4	Geochemistry of scoria sequences
8.3.1.8.5.1.5	Geochemical cycles of basaltic volcanic fields
8.3.1.8.5.2.1	Evaluation of depth of curie temperature isotherm
8.3.1.8.5.2.3	Heat flow at Yucca Mountain and evaluation of regional ambient heat flow and local heat flow anomalies
8.3.1.9.2.2.1	Projected trends in local and regional ground-water development, and estimated withdrawal rates in southern Nevada, proximal to Yucca Mountain
8.3.1.12.2.1.1	Site meteorological monitoring program
8.3.1.14.2.1.1	Site reconnaissance
8.3.1.14.2.1.2	Preliminary and detailed exploration
8.3.1.14.2.2.1	Physical property and index laboratory tests
8.3.1.14.2.2.2	Mechanical and dynamic laboratory property tests
8.3.1.14.2.3	Field tests and characterization measurements
8.3.1.14.2.3.1	Physical property field tests and characterization measurements

ACTIVITY NO.**ACTIVITY NAME**

- 8.3.1.14.2.3.2 Mechanical property field tests
- 8.3.1.14.2.3.3 Geophysical field measurements
- 8.3.1.15.1.1.1 Density and porosity characterization
- 8.3.1.15.1.2.1 Thermal expansion characterization
- 8.3.1.15.1.3 Laboratory determination of mechanical properties of intact rock
 - 8.3.1.15.1.3.1 Compressive mechanical properties of intact rock at baseline experiment conditions
 - 8.3.1.15.1.3.2 Effects of variable environmental conditions on mechanical properties
- 8.3.1.15.1.4 Laboratory determination of the mechanical properties of fractures
 - 8.3.1.15.1.7.1 Plate loading tests
- 8.3.1.15.2.1.2 Overcore stress experiments in the exploratory studies facility
 - 8.3.1.15.2.2.1 Surface-based evaluation of ambient thermal conditions
- 8.3.1.16.1.1.1 Site flood and debris hazards studies
- 8.3.1.16.2.1.4 Identification and evaluation of potential effects of repository related withdrawals on the local flow system at Yucca Mountain, Nevada
- 8.3.1.17.2.1.2 Assess the potential for displacement on faults that intersect underground facilities
- 8.3.1.17.3.3.2 Select or develop empirical models for ground motion from underground nuclear explosions
- 8.3.1.17.3.5.1 Identify controlling seismic events
- 8.3.1.17.3.5.2 Characterize ground motion from the controlling seismic events
- 8.3.1.17.3.6.2 Evaluate ground motion probabilities

ACTIVITY NO.	ACTIVITY NAME
8.3.1.17.4.1.1	Compile historical earthquake record
8.3.1.17.4.1.2	Monitor current seismicity
8.3.1.17.4.1.3	Evaluate potential for induced seismicity at the site
8.3.1.17.4.2	Location and recency of faulting near prospective surface facilities
8.3.1.17.4.2.1	Identify appropriate trench locations in Midway Valley
8.3.1.17.4.3.1	Conduct and evaluate deep geophysical surveys in an east-west transect crossing the Furnace Creek fault zone, Yucca Mountain, and the Walker Lane
8.3.1.17.4.3.2	Evaluate Quaternary faults within 100 km of Yucca Mountain
8.3.1.17.4.3.4	Evaluate the Bare Mountain fault zone
8.3.1.17.4.3.5	Evaluate structural domains and characterize the Yucca Mountain region with respect to regional patterns of faults and fractures
8.3.1.17.4.4.1	Evaluate the Rock Valley fault system
8.3.1.17.4.5.1	Evaluate the significance of the Miocene-Paleozoic contact in the Calico Hills area to detachment faulting within the site area
8.3.1.17.4.5.2	Evaluate postulated detachment faults in the Beatty-Bare Mountain area
8.3.1.17.4.6.1	Evaluate Quaternary geology and potential Quaternary faults at Yucca Mountain
8.3.1.17.4.6.2	Evaluate age and recurrence of movement on suspected and known Quaternary faults
8.3.1.17.4.7.1	Evaluate intermediate depth (2 to 3 km) reflection and refraction methods and plan potential application of these methods within the site area
8.3.1.17.4.7.2	Detailed gravity survey of the site area

<u>ACTIVITY NO.</u>	<u>ACTIVITY NAME</u>
8.3.1.17.4.7.3	Detailed aeromagnetic survey of the site area
8.3.1.17.4.7.4	Detailed ground magnetic survey of specific features within the site area
8.3.1.17.4.7.5	Evaluate surface geoelectric methods and plan potential application of these methods within the site area
8.3.1.17.4.7.8	Evaluate shallow seismic reflection (mini-sosie) methods and, if appropriate, conduct surveys of selected structures at and proximal to the site area
8.3.1.17.4.8.1	Evaluate present stress field within site area
8.3.1.17.4.8.2	Evaluate and test shallow borehole hydrofrac and triaxial strain recovery methods for the determination of in situ stress and, if appropriate, plan potential application of these methods within and proximal to the site
8.3.1.17.4.9.1	Evaluate age and extent of tectonically stable areas at and near Yucca Mountain
8.3.1.17.4.10.3	Analyze existing releveled data, Yucca Mountain and vicinity
8.3.1.17.4.12.1	Evaluate tectonic processes and tectonic stability at the site
8.3.2.4.1.1	Design activity to verify access and drift usability
8.3.5.4.1.1	Refinement of site data parameters required for Issue 2.2
8.3.5.10.2.1	Characterization of the spent fuel waste form
8.3.5.10.2.2	Characterization of the glass waste form
8.3.5.10.3.2	Develop geochemical speciation and reaction model
8.3.5.10.5.2	Radionuclide transport modeling in the near-field waste package environment
8.3.5.12.1.1	Application of results

ACTIVITY NO.	ACTIVITY NAME
8.3.5.12.2.1	Model development
8.3.5.12.2.1.1	Development of a theoretical framework for calculational models
8.3.5.12.2.2	Verification and validation

APPENDIX B

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

COMPOSITIONAL DATA FOR MINERALS, GASES, OR AQUEOUS SPECIES

Elemental Composition
Common Name

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

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

THERMODYNAMIC DATA FOR MINERALS

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

THERMODYNAMIC DATA FOR GASES

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

THERMODYNAMIC DATA FOR AQUEOUS SPECIES

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

APPENDIX C

GEMBOCHS MODIFICATIONS AND ADDITIONS: 2ND QUARTER, 1993

No modifications or additions were incorporated during this quarter

APPENDIX D

GEOGRAPHIC NODAL INFORMATION STUDY AND EVALUATION SYSTEM (GENISES) DATA CATEGORIES, TYPES AND ITEMS

CATEGORY	TYPE	ITEM
Activities	Activity Level	Distribution of vehicle traffic in the Yucca Mountain area in FY91.
	Biologic	Location of raven survey observation and id.
		Location of small mammal traplines in support of biological studies.
	Biological	Location data for biological study areas.
	Disturbances	Pads and other disturbances located by photo interpretation.
	Ecological Sampling	Location and id of ecological sampling plots.
		Sampling type and period.
	Existing Activities	Existing coordinate information for monitoring stations, drill holes, pits, and trenches. Information includes elevation, activity type, activity id, prime user, location, contractor, date began, date completed, depth, and source.

<u>CATEGORY</u>	<u>TYPE</u>	<u>ITEM</u>
		Borehole runs, borehole bits, core loss, drilling rate, general location, general area, county, WBS, work order, study plan, status, source documents, hole histories, construction time breakdown, rigs uses and logging data.
Facilities		Baseline coordinates of Title 1 alignment of the south ramp and the coordinates for the probable alignment of the south ramp.
		Central Support area buildings, streets, sidewalks, and support areas for the Field Operating Center (FOC).
		G-Tunnel id and elevation.
		Location, area, type, and name of the Exploratory Studies Facility.
		Panel access drifts.
		Ramp and drift subsurface access coordinates.
Geoelectric		Area and type of geoelectric surveys.
		Length, sounding locations, and type of traverse.

<u>CATEGORY</u>	<u>TYPE</u>	<u>ITEM</u>
	Geographic	<p>Coordinate data for drillholes, pits, trenches, monitoring sites, and other surface/subsurface activities.</p> <p>Coordinates and elevation for benchmarks and survey reference points.</p> <p>Gravity-earth system data containing the NTS environmental sampling and monitoring locations (tld, air, noble gas, tritium in air, water) and the activity status of each station.</p> <p>Inventory of material collected, preliminary descriptions, and locality data pertaining to gsp climate project, drilling program in southern Nevada, April 13-20, 1993. These are the sampling localities for the pollen and ostracode studies - paleoclimatology.</p> <p>Location coordinates for surface samples.</p> <p>Reported bottom coordinates for drillholes.</p> <p>USGS active and regional weather stations. Data includes full meteorological stations and precipitation gauges, parameters measured, location, sampling and average frequency.</p>

CATEGORY	TYPE	ITEM
	Groundwater	Site id, elevation, and well depth for groundwater observation wells.
	Groundwater Recharge	Location, elevation, and station id for groundwater recharge monitoring stations.
	Hydrographic	The three-dimensional site-scale unsaturated zone hydrologic model boundary.
	Proposed Activities	<p>Proposed coordinate information for monitoring stations, drill holes, pits, and trenches. Information includes, activity type, activity id, prime user, location, and source.</p> <p>Borehole diameter, study plan, WBS, core sample request, and activity study description.</p> <p>Proposed scent station and routes.</p> <p>Proposed transect with length and id.</p>
	Resistivity	Location of sounding.
	Seismic	Length, id, shot point locations for seismic refraction studies.
	Transportation	<p>NTS road and facility data.</p> <p>Roads, trails, railroads, airfields, pipelines, and transmission lines.</p>

CATEGORY	TYPE	ITEM
Administrative	Demographic	1990 Census data for selected counties and towns in Oregon, Idaho, Utah, and Arizona.
		Populated places, census tract, and census block.
		U.S. Bureau of Census geographic identifiers for selected cities and towns in Arizona, California, Idaho, Nevada, Oregon, and Utah.
	Geographic	Gazetteer for Nevada and California.
	Land Ownership	Land status from map 1:100k.
	Land Withdrawal	BLM land withdraw areas. Includes boundaries, area, perimeters, and id.
	Mining	Active metal and industrial mineral mines in Nevada - 1991.
		Mining Districts of Nevada, 1992.
		Oil and gas wells of Nevada.
	Mining Claims	Boundary, area, perimeter, and claim id.
	Political	Political and administrative boundaries.
		Conceptual controlled area boundary.
	Public Land	Public Land Survey System. Township and range.

<u>CATEGORY</u>	<u>TYPE</u>	<u>ITEM</u>
Biologic	Bats	Total captures of each bat species during mist-net sessions near Yucca Mountain.
	Habitat	Distribution of disturbances inventories by vegetation association.
	Invertebrates	Average number of invertebrates by taxonomic group captured per study plot in black-light traps for each vegetation. Total number of invertebrates by taxonomic group collected from pitfall traps per study plot.
	Predators	Summary of operable stations, visits by predators, and visitations rates.
	Reptile	Number of individual reptiles captured on three plots during two consecutive week trap sessions in 1991.
	Small Mammals	Number of individual Merriam's kangaroo rats and long-tailed pocket mice captured on the radiological monitoring small mammal plots, December 1990- July 1991. Number of individuals collected is in parentheses.
		Number of individual small mammals captured on ecological study plots from December 1990 to September 1991.

CATEGORY	TYPE	ITEM
	Surveys	Results of the FY91 reactivity surveys for Yucca Mountain Site Characterization Program activities. Includes number of requests, number of sites, area, distance, tortoise sign, important plants, important biological resources, recommended altering activity, and post activity survey done.
	Tortoise	Biology id, study area, year, length, and presence of sign. Date, type, and id of desert tortoise sightings.
	Ungulates	Deer forage species collected in July 1991 for analysis of radionuclide levels.
	Vegetation	Vegetation data reported as percent plant cover. Data collected 1989-1991.
Climate	Paleoclimate	Fossil woodrat midden location, date, and ids. Paleoclimate temperature, precipitation, station id, and elevation.
	Precipitation	Maximum, minimum, and mean precipitation amounts at control and treatment environmental sampling plots for the four vegetation associations sampled between September 1990 to October 1991.

<u>CATEGORY</u>	<u>TYPE</u>	<u>ITEM</u>
Geologic	Alluvium	Area of alluvium in the Yucca Mountain area.
	Bedrock	Area of bedrock in the Yucca Mountain area.
	Bulk Density	Bulk density values and test conditions.
	Bulk Modulus	Bulk modulus data and test conditions.
	Conductivity	Thermal conductivity data and test conditions.
	Core-Information	Core information, intervals and percent recovery.
	Elasticity	Elastic properties (Poisson's Ratio & Young's Modulus).
	Faults	Location certainty and fault movement.
		Selected major geologic faults in the vicinity of Yucca Mountain, Nevada, Windy Wash Fault, Solitario Canyon Fault, Ghost Dance Fault, Bow Ridge Fault, Stagecoach Road Fault, and Paintbrush Canyon Fault.
	Fractures	Location and strike.
	Grain Density	Grain density values and test conditions.
	Lithologic	Lithologic unit depths in drillhole.
		At borehole lithology picks and fracture frequency.

CATEGORY	TYPE	ITEM
	Matrix Potential	Matrix potential data and test conditions.
	Mineralogy	Mineralogical samples and test conditions.
	Paleomagnetic	Paleomagnetic data and test conditions.
	Regions	Geologic map of Clark County and Nevada.
	Seismic	Data source, date, time, location of event, focal depth, body-wave value, magnitude, intensity, diastrophism, codes to tsunami, seiche, volcanism, nontectonic, type of wave, surge wave value, Z or H component, and type of damage.
	Stratigraphic	Thermal/mechanical stratigraphic units.
	Tectonic Breccia	Location
	Velocity	Laboratory sonic velocity measurements.
	Volcanic	Pliocene-quaternary volcanic centers.
		Post-caldera basalt miocene-quaternary volcanic centers.
		The preliminary geologic map of the Lathrop Wells volcanic center.
		Volcanic centers of southwestern Nevada.
		Volcanic vent locations and elevations.

CATEGORY	TYPE	ITEM
Hydrographic	Conductivity	Hydraulic conductivity values.
		Relative hydraulic conductivity and test conditions.
		Well test hydraulic conductivity measurements.
	Flood	Flood prone areas. Limits of inundation.
	Fluvial	Streams, and water bodies.
	Permeability	Permeability and test conditions.
	Pore Water	Natural-state porewater content percentages.
	Porosity	Porosity values and test conditions.
	Regions	Administrative waterbasins for White Pine, Nye, Lincoln, and Clark counties.
		Hydrographic areas in Nevada at 1:750,000 scale.
		Locations for selected hot springs.
	Saturation	Pore saturation and test conditions.
	Spring Water Chemistry	Water chemical values for springs and non-drill hole wells.
	Transmissivity	Transmissivity data and pumping conditions.

<u>CATEGORY</u>	<u>TYPE</u>	<u>ITEM</u>
	Water Chemistry	Water chemical constituent values for drillholes.
	Water Level	Water elevations and depths, dates of measurements.
	Water Production	Percent water production in drillhole intervals.
Physiographic	Elevation	Digital Elevation Model (DEM). Point elevation for southern Nevada and California.
		Elevation contours isoline values at 2, 10, 20, 40, 100, and 200 foot intervals.
		The elevations of the post-caldera basalt volcanic centers.
		Two-foot elevation.
	Orthophoto	Aerial photography of the Yucca Mountain area.

APPENDIX E

GENISES ADDITIONS: 2ND QUARTER, 1993

DATA TRACKING NO.	DATA ITEM DESCRIPTION
GS910983116214.001	COMPUTER SIMULATIONS FOR REPORT ENTITLED "SIMULATED EFFECTS OF PUMPING WELLS J-13 AND J-12 IN THE VICINITY OF YUCCA MOUNTAIN" BY JOHN B. CZARNECKI
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
GS921208315122.001	DATA INCLUDE SITE LOCATIONS; PHYSICAL AND CHEMICAL PROPERTIES; MAJOR AND SOME MINOR IONS; AND OSTRACODE FOR 106 SPRING AND WETLAND SITES FROM THE WESTERN PART OF THE UNITED STATES
LA000000000002.001	ELECTRON MICROPROBE ANALYSES OF FRACTURE-LINING MANGANESE OXIDE MINERALS IN THE CRATER FLAT TUFF OF DRILL CORE USW G-4
LA0000000000011.001	CATION RATIO DATA FOR BOULDER DEPOSITS ON YUCCA MOUNTAIN AREA HILLSLOPES
LA0000000000014.002	CALCITE DEPOSITS IN DRILL CORES USW G-2 AND USW GU-3/G-3 AT YUCCA MOUNTAIN, NEVADA
LA0000000000018.001	REVISED MINERALOGIC SUMMARY OF YMP
LA0000000000026.002	ROCK-VARNISH CATION RATIO DATA AND ROCK-VARNISH DATING CURVE CALIBRATION SITES
LA0000000000036.001	CALCITE-SILICA DEPOSITS IN TRENCH 14 AND BUSTED BUTTE
LA0000000000038.001	GROUND WATER CHEMISTRY ALONG FLOW PATHS BETWEEN A PROPOSED REPOSITORY SITE AND THE ACCESSIBLE ENVIRONMENT
LA0000000000039.001	MINERALS IN FRACTURES OF THE SATURATED ZONE FROM DRILL CORE USW G-4, YUCCA MOUNTAIN, NYE COUNTY, NEVADA

DATA TRACKING NO.**DATA ITEM DESCRIPTION**

LLLLYMP9104034.000	UPPER LIMIT STEADY-STATE CONCENTRATION OF RADIONUCLIDES IN J-13 WATER. CALCULATIONS ARE FROM DATA REPORTED IN PNL 7169 AND PNL 7170, AND IN RECORD PACKAGES LLYMP9004172 AND LLYMP8908147.
LLLLYMP9104035.000	LABORATORY DETERMINED SUCTION POTENTIAL OF TOPOPAH SPRINGS TUFF AT HIGH TEMPERATURES
SNSAND82131400.000	DATA FROM SAND82-1314: "UNIAXIAL AND TRIAXIAL COMPRESSION TEST SERIES ON CALICO HILLS TUFF."; 1) LOAD CELL LVDT'S, AND DISK GAGE CALIBRATION DATA; 2) ALUMINUM SAMPLE CALIBRATION DATA; AND 3) EXPERIMENTAL DATA - COMPRESSION TESTS.
SNSAND82172300.000	DEVELOPED DATA FROM SAND82-1723: 1) LOAD CELL LVDT'S AND DISK GAGE CALIBRATION DATA; 2) ALUMINUM SAMPLE CALIBRATION DATA I.D. MN LOAD FRAME; 3) LOAD CELL, LVDT'S AND DISK GAGE CALIBRATION DATA 1.8 MN FRAME; 4) ALUMINUM SAMPLE CALIBRATION DATA - COMPRESSION TESTS
SNSAND83164600.000	DATA FROM SAND83-1646: 1) LOAD CELL LVDT AND DISK GAGE CALIBRATION DATA; 2) ALUMINUM SAMPLE CALIBRATION DATA; 3) SAMPLE DATA; 4) BRIEF SAMPLE DESCRIPTIONS ; 5) BRIEF SAMPLE DESCRIPTIONS - SYMBOLS KEY; 6) EXPERIMENTAL DATA - FULLY SATURATED SAMPLES; 7) EXPERIMENTAL DATA - WET SAMPLES; 8) STATIC MECHANICAL PROPERTIES OF GU-3 760.9 SAMPLES; 9) ULTRASONIC VELOCITY DATA; 10) DYNAMIC ELASTIC MODEL OF GU-3 760.9 SAMPLES COMPRESSION TEST.
SNSAND84086000.000	SAND84-0860: PETROLOGICAL, MINERALOGICAL, MECHANICAL AND BULK PROPERTIES OF LITHOPHYSAL TUFF.
SNSAND84107600.000	CONTACTS OF THERMAL/MECHANICAL STRATIGRAPHIC UNITS, SAND 84-1076: "A THREE-DIMENSIONAL MODEL OF REFERENCE THERMAL/MECHANICAL AND HYDROLOGICAL STRATIGRAPHY AT YUCCA MOUNTAIN, SOUTHERN NEVADA" NNA.890315.0013
SNSAND84110100.000	SAND84-1101: UNIAXIAL AND TRIAXIAL COMPRESSION TEST SERIES ON THE TOPOPAH SPRING TUFF FROM USW G-4, YUCCA MOUNTAIN, NEVADA

DATA TRACKING NO.	DATA ITEM DESCRIPTION
SNSAND84147100.000	SATURATED HYDROLOGIC CONDUCTIVITY DATA FOR DRILL HOLES USW GU-3 AND USW G-4 FROM APPENDIX A TABLES IN SAND84-1471, "FRACTURE AND MATRIX HYDROLOGIC CHARACTERISTICS OF TUFFACEOUS MATERIALS FROM YUCCA MOUNTAIN, NYE COUNTY, NEVADA."
SNSAND85070300.000	BULK DENSITY, GRAIN DENSITY, POROSITY, UNIAXIAL AND TRIAXIAL COMPRESSIVE STRENGTH, POISSONS RATIO, AND YOUNGS MODULUS DATA FROM SAND85-0703: "UNIAXIAL AND TRIAXIAL COMPRESSION TEST SERIES ON THE TOPOPAH SPRING MEMBER FROM USW G-2, YUCCA MOUNTAIN, NEVADA"
SNSAND86113100.000	SAND86-1131: "PETROLOGIC AND MECHANICAL PROPERTIES OF OUTCROP SAMPLES OF THE WELDED, DEVITRIFIED TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFF." HQS.880517.1704
SNSAND87238000.000	HYDRAULIC CONDUCTIVITY, BULK DENSITY, WATER RETENTION, AND CURVE FIT PARAMETER DATA. SAND87-2380: "STATISTICAL ANALYSIS OF HYDROLOGIC DATA FOR YUCCA MOUNTAIN"
SNSAND88062400.000	SAND88-0624: "THERMAL-CONDUCTIVITY FOR TUFFS FROM THE UNSATURATED ZONE AT YUCCA MOUNTAIN, NEVADA" NNA.890515.0133
SNSAND88081100.000	SAND88-0811: "SNL YUCCA MOUNTAIN PROJECT DATA REPORT: DENSITY AND POROSITY DATA FOR TUFFS FROM THE UNSATURATED ZONE AT YUCCA MOUNTAIN, NEVADA" NNA.900108.0028
SNSAND88088200.000	SAND88-0882: "MINERALOGIC AND CHEMICAL DATA SUPPORTING HEAT CAPACITY DETERMINATION FOR TUFFACEOUS ROCKS" NNA.890928.0125
SNSAND88303300.000	UNE EVENT AND STATION INFORMATION, SAND88-3033: "TWO-DIMENSIONAL VELOCITY MODELS FOR PATHS FROM PAHUTE MESA AND YUCCA FLAT TO YUCCA MOUNTAIN" NNA.901005.0051
SNSAND89227000.000	POROSITY AND AIR PERMEABILITY DATA FROM SAND89-2270: "ESTIMATES OF SPATIAL CORRELATION IN VOLCANIC TUFF, YUCCA MOUNTAIN, NEVADA" NNA.901213.0067

DATA TRACKING NO.**DATA ITEM DESCRIPTION**

SNSAND91703100.000	SAND91-7031: "MINERALOGY, PETROLOGY AND WHOLE-ROCK CHEMISTRY DATA COMPILATION FOR SELECTED SAMPLES OF YUCCA MOUNTAIN TUFFS" NNA.911202.0028
TMTPR000000001.001	TOPICAL REPORT - EVALUATION OF THE POTENTIAL ADVERSE CONDITION "EVIDENCE OF EXTREME EROSION DURING THE QUATERNARY PERIOD" AT YUCCA MOUNTAIN, NEVADA