DО AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE ΙΑ TFT YII 9411030124-72 DATA TRACKING NO. PEO TITLE/DESCRIPTION ACQN/DEVL PERIOD ACQN/DEVL METHOD EDN ------GS930508315141.004 GEOMORPHOLOGY AND PEDOLOGY ON THE KYLE 01/01/87-12/17/87 INTERPRETATION AND CHARACTERIZATION OF CANYON ALLUVIAL FAN, SOUTHERN NEVADA, DNC DEPOSIT AND SOIL DATING BY 1) EDITED BY J.M. SOWERS. 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 THORNTHWAITE AND MAYER (1986) COMPUTER MODEL. C ISOTOPE BY PDB STANDARD, CRAIG (1957). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT. ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, MENLO PARK, CA GS930508315141.005 URANIUM-TREND DATING OF FLUVIAL AND FAN 01/01/85-09/26/85 ANALYSES OF CACO3 RINDS BY CONVENTIONAL DEPOSITS IN THE BEATTY AREA, NEVADA BY DNC CLOSED-SYSTEM URANIUM-SERIES DATING. U J.N. ROSHOLT, W.C. SWADLEY AND C.A. AND TH CONCENTRATIONS BY BUSH. 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.

ACQN/DEVL LOCATION : USGS, DENVER, CO

322

	SITE CHARACTERI	ZATION PLAN BASELIN	E	D Q A U L T A O A L C I A T F T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
G5930708312272.005	MEASUREMENTS OF WATER PENETRATION AND VOLUME PERCENTAGE WATER-HOLDING CAPACITY FOR UNDISTURBED, COARSE-TEXTURED SOILS IN SOUTHWESTERN CALIFORNIA, BY JENNIFER W. HARDEN	01/01/86-05/14/87	MOISTURE CONTENT OF SOIL WAS DETERMINED BY FIELD CAPACITY METHOD (VEIHMEYER AND HENDRICKSON, 1949, METHODS OF MEASURING FIELD CAPACITY AND PERMANENT WETTING PERCENTAGE OF SOILS). ANTECEDENT MOISTURE CONTENT DETERMINED BY METHOD OF SALTER AND HAWORTH, (1961, THE AVAILABLE-WATER CAPACITY OF SANDY LOAM SOIL: 2). PARTICLE SIZE DISTRIBUTION FOUND FOR COARSE PARTICLES BY METHOD OF SOIL SURVEY STAFF, 1962, AND FOR FINE PARTICLES BY PIPETTE ANALYSIS (DAY, 1965, PARTICLE FRACTIONATION AND PARTICLE-SIZE ANALYSES). COMPLETE BIBLIOGRAPHIC CITATIONS ARE IN REPORT.	DNC
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
		01/01/06 07/07/97	CAMPLES WERE ANALYZED BY GAS	DNC

ACQN/DEVL LOCATION : USGS, MENLO PARK, CA

		324		
				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	E	IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
Activity - 8.3.1.5.	1.4.2			
GS900908315142.001	CORRELATION CHARACTERISTICS OF SURFICIAL DEPOSITS WITH A DESCRIPTION OF SURFICIAL STATIGRAPHY IN THE NEVADA TEST SITE REGION, BY D.L. HOOVER, WC SWADLEY, AND A.C. GORDON	01/01/80-04/06/81	USGS STANDARD METHODS.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS900908315142.002	URANIUM-TREND DATING OF QUATERNARY DEPOSITS IN THE NEVADA TEST SITE AREA, NEVADA AND CALIFORNIA, BY ROSHOLT, BUSH, CARR, HOOVER, SWADLEY, AND DOOLEY. ANALYSES OF 36 SAMPLE UNITS ARE INCLUDED IN THIS REPORT.	01/01/85-09/16/85	USGS STANDARD METHODS.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930108315142.001	"IMPACT OF TIME AND CLIMATE ON QUATERNARY SOILS IN THE YUCCA MOUNTAIN AREA OF THE NEVADA TEST SITE" BY, E.M. TAYLOR	01/01/84-05/28/86	MAPPING AND INTERPRETATION OF AERIAL PHOTOGRAPHS AND SATELLITE IMAGERY; FIELD MAPPING AND VERIFICATION. (TECHNICAL PROCEDURE GP-01,R0, GEOLOGICAL MAPPING, DESCRIBES THE METHODS USED AT THE TIME OF DATA COLLECTION)	DNP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930708314211.024	MAP SHOWING SURFICIAL GEOLOGY OF THE LATHROP WELLS QUADRANGLE, NYE COUNTY, NEVADA BY W C SWADLEY. SCALE OF 1:48, 000.	01/01/80-01/01/81	DESCRIPTION AND CHARACTERIZATION OF SURFICIAL DEPOSITS INCLUDING STREAM ALLUVIUM, ALLUVIAL FAN, EOLIAN, AND LACUSTRINE DEPOSITS THAT ARE SUBDIVIDED BY AGE, LITHOLOGY, AND DEPOSITIONAL ENVIRONMENT. MAP SCALE IS 1:48,000.	DNC

ACQN/DEVL LOCATION : USGS, DENVER, CO

L

. .

(

(

	SITE CHARACTERI	ZATION PLAN BASELIN	IE	DQ AUL TAO ALC TA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
GS930708315142.003	PHYSICAL PROPERTIES AND RADIOMETRIC AGE ESTIMATES OF SURFICIAL AND FRACTURE-FILL DEPOSITS ALONG A PORTION OF THE CARPETBAG FAULT SYSTEM, NEVADA TEST SITE, NYE COUNTY, NEVADA BY R.R. SHROBA, D.R. MUHS, AND J.N. ROSHOLT.	01/01/87-07/01/88	THIS STUDY CHARACTERIZES SURFICIAL AND FRACTURE-FILL DEPOSITS IN ORDER TO HELP DEFINE THE CHRONOLOGY OF MOVEMENTS ALONG THE CARPETBAG FAULT SYSTEM. METHODS INCLUDE: 1) FIELD STUDIES ACCORDING TO BIRKELAND, 1985 2) URANIUM-TREND AND URANIUM-SERIES ANALYSES TO DETERMINE AGES 3) CHITTICK GASOMETRIC TESTS TO DETERMINE CALCIUM CARBONATE CONTENT AND 4) CORRELATION TECHNIQUES. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	DNC
	ACON/DEVL LOCATION : USGS, DENVER, CO			
GS930708315142.004	GEOLOGIC MAP OF THE SURFICIAL DEPOSITS OF THE YUCCA FLAT AREA, NYE COUNTY, NEVADA BY WC SWADLEY AND D.L. HOOVER.	01/01/89-01/01/90	THIS MAP WAS PREPARED USING AERIAL PHOTOGRAPHS AND LIMITED FIELD OBSERVATIONS. IT COVERS ABOUT 400 SQUARE KILOMETERS AND INCLUDES ALL OR PART OF NINE 7 1/2-MINUTE TOPOGRAPHIC QUADRANGLES. MAPPING WAS CONFINED TO ALLUVIAL AND EOLIAN SURFICIAL DEPOSITS AT A SCALE OF 1:48,000.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS940108315142.001	DATA ON LATE TERTIARY ESTABLISHMENT OF FORTYMILE CANYON INCLUDING SURFICIAL DEPOSITS MAPPING AND ANALYSIS OF PUBLISHED GEOLOGIC QUADRANGLE MAPPING.	10/01/92-12/22/92	GP-01,R2, GEOLOGIC MAPPING, AND SCIENTIFIC NOTEBOOK SN-0056, SEDIMENTARY GRAVEL CLAST COUNTING AND CLASSIFICATION AT SECTION EXPOSURES.	АУС

ACQN/DEVL LOCATION : 36 48'45"N 116 26'15"W ;37 15'00"N 116 15'00"W

		326		
		ZAMION DIAN DACELIN		D Q A U L T A O A L C
	SITE CHARACTERI	ZATION PLAN BASELIN	E.	I A T F T
				YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
GS940108315142.002	LATE TERTIARY ESTABLISHMENT OF FORTYMILE CANYON: DRAINAGE REVERSAL IN THE EAST MOAT OF THE TIMBER MOUNTAIN CALDERA, BY S.C. LUNDSTROM AND R.G. WARREN	09/20/93-12/22/93	ANALYSIS OF THE TIMING OF FORTYMILE CANYON ESTABLISHMENT REPORTED AND FIGURES DESIGNED TO HELP CONVEY TEXT.	DYP
	ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV			
GS940108315142.003	DATA THAT SUPPORTS SURFICIAL GEOLOGIC MAPPING OF THE NORTHERN 1/3 OF THE YUCCA MOUNTAIN REGION DEFINED IN THE STUDY PLAN.	05/01/92-12/22/93	GEOLOGIC MAPPING FOLLOWING TECHNICAL PROCEDURE GP-01,R2, GEOLOGIC MAPPING, INCLUDING AIRPHOTO INTERPRETATION AND FIELD OBSERVATIONS.	АҮР
	ACQN/DEVL LOCATION : 36 48'45"N 116 26'15" 38 52'30"N 116 30'00"	W ;36 52'30"N 116 2 W ;36 56'15"N 116 2	2'30"W 2'30"W	
GS940108315142.004	PRELIMINARY SURFICIAL DEPOSITS MAP OF THE NORTHEAST 1/4 OF THE BUSTED BUTTE QUADRANGLE, 1:12,000 SCALE, BY S.C. LUNDSTROM, J.R. WESLING AND E.M. TAYLOR	05/01/92-12/22/92	COMPILATION AND ANALYSIS OF SURFICIAL DEPOSIT MAPPING DATA FOR THE NORTHERN 1/3 OF YM REGION, INCLUDING AIRPHOTO INTERPRETATION AND FIELD OBSERVATIONS.	DYP
	ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV			
	NET WINNEY OFFETETST DEDOGTED MAD OF			

GS940108315142.005PRELIMINARY SURFICIAL DEPOSITS MAP OF
THE SOUTHWEST 1/4 OF THE TOPOPAH SPRING
NW QUADRANGLE, BY S.C. LUNDSTROM AND05/01/92-12/22/93
DEPOSIT MAPPING DATA FOR THE NORTHERN 1/3
OF YM REGION, INCLUDING AIRPHOTO
INTERPRETATION AND FIELD OBSERVATIONS.

ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV

I.

				D Q A U L
				TAO
			-	ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	E.	
				T F T V T T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACON/DEVL METHOD	EDN

GS940108315142.006	PRELIMINARY SURFICIAL DEPOSITS MAP OF THE SOUTHEAST 1/4 OF THE TOPOPAH SPRING NW QUADRANGLE, BY S.C. LUNDSTROM AND E.M. TAYLOR	05/01/92-12/22/93	COMPILATION AND ANALYSIS OF SURFICIAL DEPOSIT MAPPING DATA FOR THE NORTHERN 1/3 OF YM REGION, INCLUDING AIRPHOTO INTERPRETATION AND FIELD OBSERVATIONS.	DYP
	ACON/DEVL LOCATION : USGS, LAS VEGAS, NV			
	,,,,,,			
*GS940708315142.007	FIELD NOTES AND STATION LOCATION MAP SUPPORTING SURFICIAL DEPOSITS MAPPING OF THE CENTRAL PART OF YUCCA MOUNTAIN, NEVADA, MAY 93 THRU JULY 94	05/01/93-07/22/94	GP-01,R2, GEOLOGIC MAPPING	АҮР
	ACON/DEVIL LOCATION . 36 48/45"N 116 30/00"	W +36 52/30"N 116 2	6/15"W	
	MOXM/DEVE DOMITOR : DO 40 40 M TEO 00 00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0 10 M	
*GS940708315142.008	PRELIMINARY SURFICIAL DEPOSITS MAP OF THE NORTHWEST 1/4 OF THE BUSTED BUTTE 7.5' QUADRANGLE, NYE COUNTY, NEVADA, BY S.C. LUNDSTROM	04/04/94-07/27/94	THE MAP WAS COMPILED FROM A COMBINATION OF AIRPHOTO INTERPRETATION AND FIELD CHECKS AS DOCUMENTED IN FIELD NOTEBOOKS.	DYP
	ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV			
Activity - 8.3.1.5.	1.4.3			
**GS900908315143.001	PALEOHYDROLOGY OF THE SOUTHERN GREAT BASIN WITH SPECIAL REFERENCE TO WATER TABLE FLUCTUATIONS BENEATH THE NEVADA TEST SITE DURING THE LATE (?) PLEISTOCENE, BY I.J. WINOGRAD AND G.C. DOTY	01/01/80-01/01/81	INTERPRETATION OF DATA GATHERED DURING THE PREVIOUS TEN (10) YEARS.	DNT
	ACQN/DEVL LOCATION : USGS, RESTON, VA			

(

		328		
				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	E	I A T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
GS931108315143.001	THERMOLUMINESCENCE AGE DATING FOR MIDWAY VALLEY TRENCHES 4, 5A, AND 14D, STAGECOACH ROAD TRENCH 1, AND BUSTED BUTTE WALL 4	11/19/92-11/16/93	NWM-USGS GCP-29,R0, THERMOLUMINESCENCE DATING	АУС
	ACQN/DEVL LOCATION : TL LAB, USGS, DENVER,	со		
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.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.5.	2.1.1			
GS910908315211.001	SUPPORTING DATA FOR REPORT, "EVIDENCE OF PREHISTORIC FLOODING AND THE POTENTIAL FOR FUTURE FLOODING AT COYOTE WASH, YUCCA MOUNTAIN, NEVADA", BY PATRICK A GLANCY.	08/15/83-12/31/85	TRENCHES WERE DUG BY REECO AT THE DIRECTION OF THE PRINCIPAL INVESTIGATOR. TRENCHES WERE STUDIED IN THE FIELD, PHOTOGRAPHS AND SKETCHES OF TRENCH STRATIGRAPHY WERE PREPARED. SAMPLES WERE COLLECTED FOR PARTICLE-SIZE-DISTRIBUTION FROM SELECT STRATIGRAPHIC UNITS AND WERE SUBSEQUENTLY ANALYZED. ADDITIONAL DATA WERE ACQUIRED BY FIELD PLANE SURVEYING. OTHER DATA WERE OBTAINED FROM TOPOGRAPHIC MAPS. NUMEROUS PHOTOGRAPHS WERE TAKEN OF GENERAL SETTING AND OF THE TRENCHES.	ΑΝΡ

ACQN/DEVL LOCATION : 36 51'18"N 116 26'57"W

Ţ

			_	DQ AUL TAO ALC
	SITE CHARACTERI	LATION PLAN BASELIN.	E.	I A T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS940208315211.001	EVIDENCE OF PREHISTORIC FLOODING AND THE POTENTIAL FOR FUTURE EXTREME FLOODING AT COYOTE WASH, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY PATRICK A. GLANCY.	10/01/87-08/17/92	FLOOD-HAZARD POTENTIAL WAS EVALUATED BY 1) EXAMINATION OF TRENCHED UNCONSOLIDATED DEPOSITS TO CHARACTERIZE AND CHRONICLE PAST FLOOD EVENTS, 2) APPLICATION OF HYDROLOGIC TECHNIQUES TO ESTIMATE PEAK-FLOOD DISCHARGE AND 3) APPLICATION OF EMPIRICAL TECHNIQUES TO ESTIMATE POTENTIAL MAXIMUM DISCHARGE. RESULTS ARE PRESENTED IN SKETCHES AND TABLES.	ЧИД
	ACQN/DEVL LOCATION : USGS, CARSON CITY, NV			
GS940508315211.002	HYDROLOGY OF MODERN AND LATE HOLOCENE LAKES, DEATH VALLEY, CALIFORNIA, BY DENNIS N. GRASSO.	03/02/93-04/22/94	DATA COMPILED AND ANALYZED USING BEST SCIENTIFIC METHODS.	DNP
	ACQN/DEVL LOCATION : USGS, LAS VEGAS, NV			
Activity - 8.3.1.5.	2.1.2			
GS930708315212.001	OSTRACODE ASSEMBLAGES FROM SPRINGS IN THE WESTERN UNITED STATES: IMPLICATIONS FOR PALEOHYDROLOGY, BY RICHARD M. FORESTER	01/01/89-05/03/90	SPRINGS AND SEEPS USED IN STUDIES WERE SELECTED BECAUSE THERE WERE EXISTING CHEMICAL AND TEMPERATURE DATA. CALCITE SATURATION OF INDEX WAS CALCULATED USING WATSPEC PROGRAM (WIGLEY, 1977, WATSPEC: A COMPUTER PROGRAM FOR DETERMINING THE EQUILIBRIUM SPECIATION OF AQUEOUS SOLUTIONS). PRESENCE AND ABSENCE DATA FOR TAXA WERE PLOTTED VERSUS WATER TEMPERATURE AND CONDUCTIVITY. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

 $\overline{}$

		330		
				DQ AUL TAO ALC
	SITE CHARACTERIZ	ATION PLAN BASELIN	E	IA
				T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
Activity - 8.3.1.5.	2.1.3			
GS910508315213.001	GEOCHEMICAL DATA OBTAINED FROM SOIL SAMPLES OF NEVADA AND CALIFORNIA PLAYAS. SAMPLES COLLECTED 1/4/91 TO 1/10/91 AND 1/24/91 TO 3/24/91.	02/01/91-04/01/91	ANALYSIS BY USGS BRANCH OF GEOCHEMISTRY LAB PROCEDURES (SAMPLES WERE COLLECTED WITH A BED MATERIALS SAMPLER TO A DEPTH OF 5 CENTIMETERS.)	АҮР
	ACQN/DEVL LOCATION : USGS BRANCH OF GEOCHEM	MISTRY, DENVER, CO		
GS910508315213.006	WATER AND FAUNAL SAMPLE CHARACTERISTICS AND LAB ANALYSES RESULTS FROM WATER SAMPLES AND FLORA AND FAUNA SAMPLES FROM MODERN SPRINGS IN THE AMARGOSA FLOW SYSTEM INCLUDING WATER PROPERTIES.	02/25/91-02/28/91	HP-91,R2, COLLECTION AND FIELD ANALYSIS OF SURFACE-WATER SAMPLES; AND HP-199T,R0 COLLECTION OF AQUATIC MICRO-ORGANISMS.	АУР
	ACQN/DEVL LOCATION : BIG SPRING BOLE SPRING CANE SPRING GRAPEVINE SPRING NAVARES SPRING NAVEL SPRING SCOTTY'S CASTLE SUPPLY TEXAS SPRING USGS, DENVER, CO	SPRING		
GS911108315213.002	READINGS TAKEN USING AN EM-34 GROUND CONDUCTIVITY METER (GEONICS) IN THE FAIRBANKS SPRING AREA, POINT OF ROCKS SPRING, JACKRABBIT SPRING, BURRO CANYON FAULT, ALL IN NEVADA.	02/06/90-04/13/90	NWM-USGS-HP-187, RO	АУР
	ACQN/DEVL LOCATION : 36 24'06"N 116 16'18" 36 23'24"N 116 16'42" 36 25'48"N 116 18'30" 36 29'24"N 116 20'30"	7 7 7 ;36 25'18"N 116 1 7	9'15"W	

				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	IE	I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
GS911108315213.003	READINGS TAKEN USING AN EM-34 GROUND CONDUCTIVITY METER (GEONICS) IN THE FAIRBANKS SPRING AREA, POINT OF ROCKS SPRING, JACKRABBIT SPRING, BURRO CANYON FAULT, ALL IN NEVADA.	02/06/90-04/13/90	NWM-USGS-HP-187, RO	DYP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS911108315213.004	LAB ANALYSES RESULTS AND CHARACTERISTICS OF SOIL SAMPLES TAKEN FROM VARIOUS PLAYAS IN CALIFORNIA AND NEVADA 10/17/91 TO 10/26/91	08/01/91-08/31/92	ANALYSIS BY USGS BRANCH OF GEOCHEMISTRY LAB PROCEDURES.	АУР
	ACQN/DEVL LOCATION : USGS BRANCH OF GEOCHE	MISTRY, DENVER, CO		
GS911208315213.005	LAB ANALYSIS RESULTS AND CHARACTERISTICS OF SURFICIAL SOIL SAMPLES TAKEN FROM WILLCOX DRY PLAYA AND SOUTH ALKALI FLAT, FROM THE TOP TO 5 CM BELOW SURFACE. SAMPLES COLLECTED 11/12/91 TO 11/14/91.	12/01/91-01/01/92	ANALYSIS BY USGS BRANCH OF GEOCHEMISTRY LAB PROCEDURES.	АҮР
	ACQN/DEVL LOCATION : USGS BRANCH OF GEOCHE	MISTRY, DENVER, CO		
GS920108315213.001	WATER AND FAUNAL CHARACTERISTICS AND LAB ANALYSES RESULTS OF SAMPLES OF BENTHIC MICROORGANISMS LARGER THAN 150 MICROMETERS AND WATER SAMPLES TAKEN FROM SPRING SITES IN CALIFORNIA AND NEVADA. SPECIFIC INFORMATION ON THESE SAMPLES ARE ON SAMPLE COLLECTION SHEETS AT THE SMF.	02/25/91-08/03/91	METHODS ASSOCIATED WITH USGS HP-199T, R0, TITLED "COLLECTION OF BENTHIC AQUATIC MICROORGANISMS LARGER THAN 150 MICROMETERS", AND METHODS INCLUDED IN HP-91, R3 "COLLECTION AND FIELD ANALYSIS OF SURFACE WATER SAMPLES". SCIENTIFIC NOTEBOOK - SNP-006 WAS USED FOR THE COLLECTION.	АУР
,	ACQN/DEVL LOCATION : 36 10'26"N 115 28'45" 36 18'25"N 115 29'27" 36 09'40"N 115 29'48" 36 09'40"N 115 35'52" 36 18'25"N 115 37'58" 36 35'54"N 115 40'12" 37 10'20"N 116 05'30" 36 48'03"N 116 05'39"	W W W W W W		

(

(-)

SITE CHARACTERIZATION PLAN BASELINE			D Q A U L T A O A L C I A T F T Y I I	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
	37 12'09"N 116 07'52" 36 22'27"N 116 16'18" 36 21'48"N 116 16'24" 37 04'25"N 116 41'30" 36 59'40"N 116 42'25" 37 02'17"N 116 42'43" 36 22'48"N 116 42'54" 36 58'26"N 116 42'54" 36 30'39"N 116 49'15" 36 27'24"N 116 50'15" 37 02'06"N 117 19'30" 37 01'12"N 117 23'15"	W W W W W W W W W		
GS920308315213.002	BAILED WATER SAMPLES COLLECTED FOR STRONTIUM AND URANIUM ISOTOPE ANALYSIS.	02/20/91-02/22/91	DATA COLLECTED USING TP GCP-23T, RO.	АҮР
	ACQN/DEVL LOCATION : UE-25 WT #14 UE-25 WT #15 UE-25 WT #17 UE-25 WT #4 USW H-3 USW VH-2 USW WT-1 USW WT-10 USW WT-7			
GS920708315213.004	WATER CHEMISTRY DATA FOR WATER SAMPLES OBTAINED DURING COLLECTION FIELD TRIP OF 3-22-92 TO 3-28-92 FROM THE FOLLOWING SITES: GRAPEVINE SPRINGS, STEWART VALLEY ESTATE, CARSON SLOUGH EAST SPRING, MESQUITE WELL, AMARGOSA DESERT-CARSON SLOUGH EAST FLOWING WELL, AND KING SPRING. RESULTS ARE FROM ANALYSIS BY NWQL. ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO	04/14/92-06/15/92	STANDARD NWQL PROCEDURES AND METHODS ASSOCIATED WITH TECHNICAL PROCEDURE HP-23, R2, COLLECTION AND FIELD ANALYSIS OF GROUND-WATER SAMPLES FROM SATURATED ZONE.	АҮР

Ţ

				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	IE	I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
G\$920808315213.005	ROCK AND SOIL / UNCONSOLIDATED SEDIMENT CHEMICAL DATA RESULTS FROM LAB ANLYSIS (GEOCHEMICAL)	04/14/92-07/09/92	STANDARD GEOCHEMICAL LAB OPERATING PROCEDURES, USGS, GEOLOGIC DIVISION, BRANCH OF GEOCHEMISTRY.	АҮР
	ACON/DEVL LOCATION : USGS, DENVER, CO			
GS930108315213.001	CHANNEL GEOMETRY DATA FROM SCIENTIFIC NOTEBOOK SN-0008, COLLECTED BY WAITE OTERKAMP.	05/07/90-06/14/91	DATA COLLECTED USING HP-205T,R1 "SELECTION OF SITES AND COLLECTION OF DATA FOR CHANNEL GEOMETRY MEASUREMENTS".	АҮС
	ACQN/DEVL LOCATION : T11S R47E, NE/SE/SE OF T11S R47E, SE/NE/NW OF T11S R47E, SE/NE/NW OF T12S R47E, SE/NW/NW OF T12S R47E, SE/SE/NW OF T12S R50E, NE/NE/SE OF T12S R50E, NE/NE/SE OF T12S R50E, NE/NE/SE OF T12S R50E, NE/NE/SE OF T12S R50E, NE/NE/SW OF T12S R50E, NE/NE/SW OF T12S R50E, NE/NE/SW OF T12S R50E, SW/SW/NW OF T12S R50E, SW/SW/NW OF T12S R50E, SW/SW/NW OF T12S R51E, NE/NW/SW OF T12S R51E, NE/NW/SW OF T13S R47E, SW/NE/NE OF T13S R47E, SW/NE/NE OF T13S R50E, NE/NE/SW OF T13S R50E, NE/NE/SW OF T13S R50E, NE/NW/SW OF T13S R50E, NE/NW/SW OF T13S R50E, NE/NW/SW OF T13S R50E, SE/SE/SE OF T13S R50E, NW/NW/SW OF T13S R50E, NW/NW/SW OF T13S R50E, SE/SE/SE OF T13S R50E, SE/SE/SE OF T13S R50E, SW/NW/NW OF T13S R50E, SE/SE/SE OF T13S R50E, SE/SE/SE/SE OF T13S R50E, SE/SE/SE OF T13S R50E, SE/SE/SE OF T13S R50E, SE/SE/SE OF T13S R50E, SE/SE/SE/SE/SE/SE/SE/SE/SE/SE/SE/SE/SE/S	SECTION 28 SECTION 33 SECTION 34 SECTION 20 SECTION 20 SECTION 10 SECTION 28 SECTION 28 SECTION 28 SECTION 28 SECTION 28 SECTION 27 SECTION 27 SECTION 27 SECTION 27 SECTION 19 SECTION 34 SECTION 34 SECTION 33 SECTION 33 SECTION 07 SECTION 07 SECTION 07 SECTION 07 SECTION 07 SECTION 07 SECTION 07 SECTION 07 SECTION 24 F SECTION 13 SECTION 13 SECTION 19 SECTION 03		

_

 $\overline{}$

 $\overline{}$

		334		
				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	E	IA
				TFT
				YII
	/			PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
	T155 B48E SW/NE/NW OF	SECTION 36		
	T155 R49E.NE/NE/SE OF	SECTION 16		
	T15S R49E, NE/NE/SE OF	SECTION 21		
	T15S R49E, NE/NE/SW OF	SECTION 10		
	T15S R49E, NW/NE/NE OF	SECTION 31		
	T15S R49E, NW/NW/SE OF	SECTION 20		
	T15S R49E, NW/NW/SW OF	SECTION 29		
	T15S R49E, SE/SW/SW OF	SECTION 20		
	T15s R49E,SW/NE/SE OF	SECTION 03		
	T15S R49E,SW/SW/NW OF	SECTION 31		
	T15S R50E,NE/NW/SE OF	SECTION 05		
	T15S R50E, NE/SW/SE OF	SECTION 18		
	T15S R50E, SE/SW/SW OF	SECTION 24		
	T15S R50E, SW/SW/SW OF	SECTION 19		
	T16S R48E, SE/SE/NE OF	SECTION 06		
	T16S R52E, SE/SW/NW OF	SECTION 14		
	T21/22S R6E, SW/SW OF	SECTION 24		
	T22S R6E, NW/SE/SW OF	SECTION UI		
	TZ4S RO6E, NW/SE/SW OF	SECTION 18		
	TZ4S RU6E, NW/SE/SW OF	SECTION 28		
	TZ6S RUSE, NE/NW/NE OF	SECTION 22		
GS930108315213.002	WATER CHEMISTRY AND SAMPLE DOCUMENTATION FOR TWO SAMPLES ANALYZED BY USGS-NWQL: 1) LATHROP WELLS CONE, 2) USW VH-2.	10/15/92-01/06/93	STANDARD USGS CENTRAL LABORATORY ANALYZING PROCEDURES.	АҮР
	ACON /DEVIL LOCATION . USCS CENTRAL TAR ARV	00 404		
	ACANADEAN FOCULION : 0202 CENTRAL TWB' WKA			
GS930108315213.003	234U/238U RATIOS AS A GROUND-WATER FLOW TRACER, SW NEVADA - SE CALIFORNIA, BY K.R. LUDWIG, Z.E. PETERMAN, K.R. SIMMONS & E.D. GUTENTAG.	12/10/92-01/08/93	THIS REPORT SUMMARIZES RESULTS OF URANIUM ISOTOPIC ANALYSES OF GROUND WATER BY THERMAL IONIZATION MASS SPECTROMETRY.	DNC

ACQN/DEVL LOCATION : USGS, DENVER, CO

l

(

1

	SITE CHARACTERI	ZATION PLAN BASELIN	IE	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
GS930108315213.004	URANIUM ISOTOPIC ANALYSES OF GROUNDWATERS FROM SW NEVADA - SE CALIFORNIA.	12/10/92-01/08/93	DATA WERE ACQUIRED PER GCP-28,R0, "URANIUM ISOTOPIC GEOCHEMISTRY".	АҮС
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930108315213.005	ISOTOPIC EVIDENCE OF COMPLEX GROUND-WATER FLOW AT YUCCA MOUNTAIN, NEVADA, BY Z.E. PETERMAN & J.S. STUCKLESS.	11/17/92-12/31/92	COMPILATION OF OBSERVATIONS, TO DATE, FROM THE ONGOING STRONTIUM ISOTOPE STUDY OF GROUND WATER IN THE TERTIARY AQUIFER OF THE OASIS VALLEY AND ALKALI FLAT - FURNACE CREEK RANCH SUBBASINS.	ANC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS930108315213.006	RECHARGE ESTIMATES USING GEOMORPHIC/DISTRIBUTED-PARAMETER SIMULATION APPROACH, AMARGOSA RIVER BASIN, BY W.R. OSTERKAMP, L.J. LANE, AND C.S. SAVARD. INCLUDES WATER BALANCE ESTIMATES AT SELECTED STREAM CHANNEL SITES.	12/01/91-08/30/92	USE OF DISTRIBUTED PARAMETER RUNOFF SIMULATION MODEL AND MODIFICATION OF A FIELD-SCALE MODEL FOR INTERCHANNEL RUNOFF AND RECHARGE.	DNP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930108315213.009	WATER DATA INCLUDING PHYSICAL WATER PROPERTIES AND CHEMISTRIES FOR SAMPLES COLLECTED IN COLORADO, KANSAS AND NEW MEXICO, ALSO COMPUTER INPUT/OUTPUT	01/01/80-12/31/88	STANDARD USGS-NWQL LAB METHODS, AND STANDARD OR PRE QA COLLECTION/SAMPLING METHODS FOR OBTAINING FIELD WATER PROPERTY MEASUREMENTS.	ANP
	ACQN/DEVL LOCATION : 37 14'26"N 99 58'52" 37 15'33"N 100 23'20" 37 10'32"N 100 27'30" 38 40'01"N 100 55'10" 37 00'04"N 102 46'33" 37 00'56"N 102 50'10" 37 06'55"N 103 17'54" 37 07'03"N 103 18'50" 37 34'23"N 103 19'48" 37 45'12"N 103 48'06" 37 41'30"N 103 54'40"	W W W W W W W W		

_

(The second sec

(-)

	SITE CHARACTERIZATION PLAN BASELINE				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E O E D N	
	37 41'40"N 10 37 08'58"N 10 37 44'04"N 10 37 41'57"N 10 34 38'42"N 10 35 05'57"N 10 37 44'06"N 10 37 44'06"N 10 37 44'06"N 10 37 44'05"N 10 37 28'43"N 10 37 58'49"N 10 37 58'49"N 10 37 51'05"N 10 37 51'05"N 10 37 50'32"N 10 34 27'00"N 10 USGS, DENVER, USGS, NWQL, D	3 57'21"W 4 28'45"W 5 30'24"W 5 31'23"W 6 20'58"W 6 52'35"W 6 55'03"W 6 55'03"W 6 57'16"W 7 32'35"W 7 45'31"W 8 17'31"W 8 17'41"W 8 45'40"W CO ENVER			
GS930208315213.008	VEGETATION TRANSECT DATA FOR AMARG VALLEY INCLUDING VEGETATION SPECIE NAMES, COVERAGES, LENGTH, HEIGHT A WIDTH. COLLECTED BY L. DEMARCO, J EMERICK AND OTHERS. ACQN/DEVL LOCATION : 36 47'25"N 11 36 25'25"N 11 36 37'47"N 11 36 38'04"N 11 36 38'04"N 11 36 24'36"N 11 36 36'30"N 11 36 36'30"N 11 36 36'30"N 11 36 38'11"N 11 36 38'11"N 11 36 46'04"N 11 36 14'35"N 11 36 49'07"N 11 36 28'42"N 11 36 28'42"N 11 36 14'25"N 11	04/08/90-04/24/90 S ND 6 17'31"W 6 18'01"W 6 18'02"W 6 18'02"W 6 18'06"W 6 18'11"W 6 18'15"W 6 18'15"W 6 18'21"W 6 18'27"W 6 19'27"W 6 20'20"W 6 20'36"W 6 20'36"W 6 20'40"W 6 21'41"W 6 21'55"W 6 22'5"W	HP-173,R0, DATA COLLECTION PROTOCOL FOR PLANT COMMUNITY ANALYSIS, USED TO COLLECT RAW VEGETATION DATA MEASUREMENTS.	AYP	

(

(

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

SITE CHARACTERIZATION PLAN BASELINE

_

(

DATA TRACKING NO.	TITLE/DESCRIPTION			ACQN/DEVL PERIOD	ACQN/DEVL METHOD	E
		36 14'55"N 116 26 29/02"N 116	22'25"	7		
		20'03"N 110	22/31/1	7 7		
		36 JO IJ N 110 36 47/32"N 116	22 31 1	4 7		
		36 24/14"N 116	23/17"	*		
		36 45'16"N 116	23/38"	3		
		36 45'19"N 116	23' 38"	7		
	:	36 45'14"N 116	23'40"	7		
		36 49'09"N 116	23' 50"	4		
	:	36 17'17"N 116	24'36"	7		
		36 25'32"N 116	25'23"	7		
		36 47'08"N 116	25'45"	4		
		36 35'03"N 116	26'03"	4		
		36 25'43"N 116	26'50"	7		
		36 39'33"N 116	26'51"	-		
		36 25'43"N 116	26' 55"	Y		
		36 33/15"N 116	27'32"	v त		
		36 39'45"N 116	29/30"	* J		
		36 36'38"N 116	29'31"	, 7		
		36 29'30"N 116	29'59"	7		
	:	36 29'30"N 116	30'01"	7		
	:	36 33'13"N 116	30'05"	7		
		36 33'20"N 116	30'05"1	7		
		36 27'01"N 116	30'17"	7		
		36 21'36"N 116	30'35"	7		
		36 26'48"N 116	30'40"	1		
		36 21'00"N 116	31/03"	7		
		26 47 40 N 110	31/310	7		
		36 20/04"N 136	31/38"	• 7		
		36 47'15"N 116	32'08"	7		
		36 39'48"N 116	32'34"	7		
		36 47'43"N 116	33' 36"	7		
		36 47'44"N 116	33' 38"	7		
	:	36 47'53"N 116	34'03"	7		
		36 48'03"N 116	34'34"	1		

(

		338		DQ
				AUL TAO
	SITE CHARACTERI	ZATION PLAN BASELIN	E	IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
GS930208315213.010	WATER CHEMISTRIES FOR WATER SAMPLES COLLECTED FROM 11/4/92 TO 11/8/92 BY E. GUTENTAG AND J. WATSON.	11/01/92-02/28/93	STANDARD USGS-NWQL (APPROVED VENDOR) LAB ANALYSIS METHODS	АҮР
	ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO			
GS930308315213.013	SOIL CHEMISTRIES OF SAMPLES FROM PLAYAS COLLECTED 3/22/92 - 3/28/92.	04/01/92-07/08/92	LAB ANALYSIS BY APPROVED VENDOR; STANDARD USGS BRANCH OF GEOCHEMISTRY LAB PROCEDURES AND METHODS.	АҮР
	ACQN/DEVL LOCATION : USGS BRANCH OF GEOCHE	MISTRY, DENVER, CO		
GS930408315213.014	NWQL WATER CHEMISTRIES FROM WATER SAMPLES COLLECTED DURING FIELD-COLLECTION TRIP OF MARCH 7-12, 1993.	03/18/93-04/02/93	STANDARD USGS NATIONAL WATER QUALITY LAB ANALYTICAL LABORATORY METHODS.	АҮР
	ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO			
G\$930508315213.015	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.	10/25/88-09/26/89	LAB ANALYSIS BY APPROVED VENDOR; STANDARD USGS-NWQL LAB PROCEDURES AND METHODS.	ANP
	ACQN/DEVL LOCATION : USGS-NWQL, DENVER, CO			
GS930508315213.016	USGS NWQL WATER CHEMISTRIES FOR WATER SAMPLES COLLECTED FROM 09-26-89 TO 09-28-89.	09/30/89-10/30/89	LAB ANALYSIS BY APPROVED VENDOR; STANDARD USGS-NWQL METHODS AND PROCEDURES	АУР
	ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO			

· · (

	STTE CUNDACTED	ZATION DIAN DACEITN	τ ε	DQ AUL TAO ALC
		ARTION FILM DADEDIN		TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	YII PEO EDN
GS930708315213.007	BEDLOAD AND BED MATERIAL SAMPLE ANALYSIS FORMS/DATA FOR GROUNDWATER RECHARGE ESTIMATES, AMARGOSA RIVER BASIN. ACQN/DEVL LOCATION : USGS, DENVER, CO	01/01/90-01/01/92	YMP-USGS HP-205T,R0, SELECTION OF SITES AND COLLECTION OF DATA FOR CHANNEL GEOMETRY MEASUREMENTS	АУР
GS930708315213.017	CALCULATIONS OF DISCHARGE FROM CHANNEL GEOMETRY MEASUREMENTS, INPUT DATA TO MODEL TRANSMISSION LOSSES, AVERAGE PRECIPITATION DATA, DISCHARGE DATA, CHANNEL LENGTH AND AREA DATA, RECHARGE DATA, FLOOD DISCHARGE DATA, AND WATER BALANCE DATA FOR VARIOUS STREAM CHANNEL SITES IN THE VICINITY OF YUCCA MOUNTAIN, NEVADA.	12/10/91-03/30/92	SIMPLE CHANNEL GEOMETRY CALCULATIONS AND DISTRIBUTED PARAMETER RUNOFF SIMULATION MODEL USED TO MODIFY A FIELD-SCALE MODEL FOR INTERCHANNEL RUNOFF AND RECHARGE.	D N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930708315213.018	WATER CHEMISTRY AND OSTRACODE OCCURRENCE FROM SPRINGS IN COLORADO, KANSAS, AND NEW MEXICO: BASIC DATA, BY E.D. GUTENTAG, J.S. DOWNEY, R.M. FORESTER, K.L. CONRAD AND J.M. WATSON.	01/01/92-10/01/93	DETERMINE AND PRESENT THE RELATIONSHIP BETWEEN OSTRACODE OCCURRENCE AND PHYSICAL/CHEMICAL HYDROLOGIC PARAMETERS. SOME OSTRACODE SPECIES NAMES WERE REVISED WHERE APPROPRIATE.	DNP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930808315213.019	USGS NWQL-DERIVED WATER CHEMISTRIES FROM SAMPLES COLLECTED 4/23/93 TO 5/3/93, CALIFORNIA AND NEVADA.	06/01/93-08/01/93	STANDARD USGS-NWQL LAB METHODS	АУР
	ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO			

.

		340		
				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	E	I A T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
GS930908315213.020	USGS NWQL WATER CHEMISTRIES DERIVED FROM SAMPLES COLLECTED 6-1-93 TO 6-8-93. ACQN/DEVL LOCATION : USGS NWQL, ARVADA, CO	06/01/93-09/12/93	STANDARD USGS NATIONAL WATER QUALITY LAB METHODS AND PROCEDURES.	 A Y P
GS930908315213.021	PHYSICAL WATER PROPERTIES OBTAINED IN FIELD DURING SAMPLING TRIPS FROM 1988 THROUGH 5/2/89. DATA RECORDED ON SAMPLE COLLECTION FORMS.	01/01/88-05/02/89	YMP-USGS TECHNICAL PROCEDURES HP-59,R0, METHOD FOR CALIBRATING DIGITAL THERMOMETERS; HP-23,R0, COLLECTION AND FIELD ANALYSIS OF GROUND-WATER SAMPLES FROM SATURATED ZONE; AND HP-91,R0, COLLECTION AND FIELD ANALYSIS OF SURFACE-WATER SAMPLES	ΑΝΡ
	ACQN/DEVL LOCATION : 35 00'00"N 118 00'00"	W ;38 00'00"N 115 0	00'00'W	
GS931208315213.022	PHYSICAL WATER PROPERTIES OBTAINED IN FIELD DURING SAMPLING TRIPS FROM 5/3/89 THROUGH 6/30/93. DATA RECORDED ON SAMPLE COLLECTION FORMS.	05/03/89-06/30/93	YMP-USGS TECHNICAL PROCEDURES HP-59, RO, METHOD FOR CALIBRATING DIGITAL THERMOMETERS; HP-23, RO R2 &R3, COLLECTION AND FIELD ANALYSIS OF GROUND-WATER SAMPLES FROM SATURATED ZONE; AND HP-91, RO R1 R2 &R3, COLLECTION AND FIELD ANALYSIS OF SURFACE-WATER SAMPLES.	АҮР
	ACON/DEVL LOCATION : 35 00'00"N 118 00'00"	w ;38 00'00"N 115 0	00'00"W	

*GS940808315213.001 CHARACTERIZING THE DISTRIBUTION OF 06/01/91-07/15/94 USED COMPUTER SIMULATIONS AND GIS TO D N P PEDOGENIC CARBONATES USING A GEOGRAPHIC INFORMATION SYSTEM AND COMPUTER AMARGOSA DESERT, NEVADA, BY C.C. FAUNT, K.E. KOLM AND E.D. GUTENTAG

ACQN/DEVL LOCATION : USGS, DENVER, CO

(

SITE CHARACTERIZATION PLAN BASELINE				DQ AUL TAO ALC IA	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN	
*GS940908315213.002	U-TH ISOTOPIC DATA AND U-SERIES DISEQUILIBRIUM DATING OF SPRING DISCHARGE DEPOSITS NEAR THE SOUTHERN END OF CRATER FLAT. DATA INCLUDE SAMPLE PREPARATION DESCRIPTIONS, ALPHA SPECTROMETRIC RESULTS, MASS SPECTROMETRIC RESULTS, A SUMMARY OF ISOTOPIC DATA INCLUDING THE PERTINENT RATIOS, ERRORS AND ERROR CORRELATIONS OF THE ISOTOPES OF INTEREST (238U, 236U, 234U, 232TH, 230TH, 229TH), AND RESULTS OF REGRESSION ANALYSIS TO OBTAIN 230TH/U AGES.	11/01/92-09/08/94	YMP-USGS GCP-03,R2, U-SERIES DATING AND GCP-03,R3, URANIUM-THORIUM DISEQUILIBRIUM STUDIES	АУР	
	ACQN/DEVL LOCATION : USGS U-SERIES LABS,	DENVER, CO			
*GS940908315213.003	RADIOCARBON DATE BY ACCELERATOR MASS SPECTROMETRY OF INORGANIC CARBON FROM A CALCIFIED RHIZOLITH: PALEOSPRING DEPOSITS, SOUTHERN END OF CRATER FLAT. DATA INCLUDE SAMPLE AND PRETREATMENT DESCRIPTIONS, MEASURED RADIOCARBON AGES, DELTA 13C, CONVENTIONAL 14C AGE, AND CALIBRATED 14C AGE.	07/01/94-09/08/94	ACCELERATOR MASS SPECTROMETRY USGS-QA APPROVED VENDOR, BETA ANALYTIC, INC	АҮР	
	ACQN/DEVL LOCATION : BETA ANALYTIC, INC.,	MIAMI, FL			
*GS940908315213.004	PRELIMINARY AGE ESTIMATES FOR LATE PLEISTOCENE GROUND-WATER DISCHARGE DEPOSITS NEAR YUCCA MOUNTAIN, NEVADA, BY J.B. PACES, S.A. MAHAN, L. KWAK, L.A. NEYMARK, T.A. MCCONNAUGHEY AND C.A. BUSH	07/01/94-09/21/94	U-SERIES DISEQUILIBRIUM, THERMOLUMINESCENCE, AND RADIOCARBON DATA ARE USED TO ESTIMATE AGES OF PALEOSPRING DEPOSITS NEAR SOUTHERN CRATER FLAT.	DYP	
	ACQN/DEVL LOCATION : USGS, DENVER, CO				

		342		
				DQ AUL TAO
	SITE CHARACTERI	ZATION PLAN BASELIN	E	IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
*GS940908315213.005	U CONCENTRATIONS AND 234U/238U RATIOS FOR WATERS IN YUCCA MOUNTAIN REGION. DATA WERE OBTAINED 1/1/93 TO 9/10/93 AND INCLUDE SAMPLE WEIGHTS, URANIUM CONCENTRATIONS, MASS SPECTROMETRIC RESULTS FOR 234U/235U AND CALCULATED 234U/238U ACTIVITY RATIOS.	01/01/93-09/10/94	YMP USGS GCP-28,R0 AND R1, URANIUM ISOTOPE GEOCHEMISTRY	АҮР
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS941008315213.006	WATER CHEMISTRY DATA FOR WATER SAMPLES COLLECTED FROM 2/25/91 THROUGH 2/28/91 IN NEVADA AND CALIFORNIA.	04/23/91-04/29/91	SAMPLES ANALYZED USING STANDARD NWQL PROCEDURES.	АУР
	ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO			
GS941008315213.007	WATER CHEMISTRY DATA FROM WATER SAMPLES COLLECTED 7/29/91 THROUGH 8/2/91 IN NEVADA.	08/19/91-10/24/91	SAMPLES ANALYZED USING STANDARD NWQL TECHNIQUES.	АУР
	ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO			
GS941008315213.008	WATER CHEMISTRY DATA OBTAINED FROM SAMPLES COLLECTED BETWEEN 7/8/90 AND 7/13/90 IN NEVADA AND UTAH.	10/29/90-10/29/90	WATER SAMPLES ANALYZED USING STANDARD USGS NWQL TECHNIQUES. SAMPLES COLLECTED ACCORDING TO HP-23,R1 "COLLECTION AND FIELD ANALYSIS OF GROUND-WATER SAMPLES FROM THE SATURATED ZONE," AND HP-91,R1 "COLLECTION AND FIELD ANALYSIS OF SURFACE-WATER SAMPLES."	АҮР

ACQN/DEVL LOCATION : USGS NWQL, DENVER, CO

Ĺ

(

SITE CHARACTERIZATION PLAN BASELINE				DQ AUL TAO ALC IA TFT	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		
GS941008315213.009	URANIUM-234 IN GROUND WATER, SW NEVADA - NE CALIFORNIA, BY K. LUDWIG, Z. PETERMAN, K. SIMMONS AND S. MAHAN	07/01/94-09/22/94	234U HAS THE POTENTIAL FOR USE AS A HYDROLOGIC TRACER, AS WELL AS AN INDICATOR OF FLOW RATES & GROUND-WATER PHYSICAL-CHEMICAL ENVIRONMENT. IN HOPE OF APPLYING THIS POTENTIAL, 234U/238U AND URANIUM CONCENTRATION WERE DETERMINED ON MOST OF THE MAJOR SPRINGS AND ACTIVE WELLS IN THE YUCCA MOUNTAIN AREA, AS WELL AS MUCH OF THE SURROUNDING REGION.	DNP	
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.5.	2.1.4				
GS910208315214.001	RAW DATA FROM CHLORIDE LEACHING TEST. THE COLLECTION PERIOD IS FROM 7/30/87 TO 11/90. THE RAW DATA IS IN THE FORM OF LOG BOOKS, STRIP CHARTS, LABORATORY DATA SHEETS.	07/30/87-11/30/90	PLEASE REFER TO TECHNICAL PROCEDURE HP-183, REVISION 1 FOR DETAILS CONCERNING TEST AND COLLECTION METHODS.	АҮС	
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS910508315214.002	WEATHER DATA COLLECTED AT THE KAWICH CREEK BASE SITE FROM OCTOBER, 1985, TO MAY, 1989.	11/11/85-05/24/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170,R0, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC. 107 TEMPERATURE PROBE.	ΑΝΡ	
	ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"	W			

•

		344		DQ AU TA AL	L C
	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	I TF YI	A T I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		, N
**GS910908315214.003	METEOROLOGICAL, STREAM-DISCHARGE, AND WATER-QUALITY DATA FOR 1986 THROUGH 1991 FROM TWO SMALL BASINS IN CENTRAL NEVADA, BY P.W. MCKINLEY AND T.A. OLIVER	09/01/90-08/31/93	DATA WAS DEVELOPED INTO DAILY VALUE TABLES USING THE NATIONAL WATER INFORMATION SYSTEM (NWIS) DATABASE.	DN	I C
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
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,R0, 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.	АУ	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	I P

ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W

Ţ

	SITE CHARACTERIZATION PLAN BASELINE			I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
GS911108315214.007	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM DECEMBER, 1986, TO MAY, 1989. THESE DATA COLLECTED USING A 90 DEGREE V-NOTCH WEIR.	12/02/86-05/25/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-54, RO, WATER-FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS, AND HP-172, RO, WATER LEVEL MEASUREMENT USING A TEN-TURN POTENTIOMETER.	ANP
	ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"	7		
GS911108315214.008	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM MAY, 1989, TO SEPTEMBER, 1990. THESE DATA COLLECTED USING A 90 DEGREE V-NOTCH WEIR.	05/25/89-09/22/90	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-54, RO, WATER FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS, AND HP-172, RO, WATER LEVEL MEASUREMENTS USING A TEN-TURN POTIENTIOMETER.	АҮР
	ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"	7		
GS920108315214.001	SCIENTIFIC NOTEBOOK FOR ESTIMATION OF LEAF AREA INDEX IN PLANT CANOPIES FOR STEWART BASIN AND KAWICH BASIN FOR THE PERIOD OF JUNE 1991 TO DECEMBER 1991.	06/02/91-10/07/91	DATA WAS ACQUIRED USING HP-217T, RO.	АҮР
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"V 38 53'01"N 117 21'10"V	7;37 57′43"N 116 2 7;38 53′24"N 117 2	5'28"W 1'36"W	
GS920108315214.002	SCIENTIFIC NOTEBOOK FOR THE MEASUREMENT OF EVAPOTRANSPIRATION USING EDDY CORRELATION METHODS IN STEWART BASIN AND KAWICH BASIN FOR THE PERIOD FROM JUNE 1991 TO DECEMBER 1991.	06/10/91-10/24/91	DATA WAS ACQUIRED USING HP-215T, RO.	АҮР
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W 38 53'01"N 117 21'10"W	7 ;37 57′43"N 116 25 7 ;38 53′24"N 117 23	5'28"W 1'36"W	

((. (
		346		DQ AUL TAO
	SITE CHARACTERI	ZATION PLAN BASELIN	E	ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
GS920108315214.003	SCIENTIFIC NOTEBOOK FOR THE MEASUREMENT OF EVAPOTRANSPIRATION USING BOWEN RATIO METHODS IN STEWART BASIN AND KAWICH BASIN FOR THE PERIOD FROM JUNE 1991 TO DECEMBER 1991.	06/02/91-10/07/91	DATA WAS ACQUIRED USING HP-214T, RO.	АҮР
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00" 38 53'01"N 117 21'10"	W ;37 57′43"N 116 2 W ;38 53′24"N 117 2	5'28"W 1'36"W	
GS920108315214.004	SCIENTIFIC NOTEBOOK FOR THE MEASUREMENT OF TRANSFIRATION USING CHAMBER METHODS IN STEWART BASIN AND KAWICH BASIN FOR THE PERIOD FROM JUNE 1991 TO DECEMBER 1991.	06/06/91-10/07/91	DATA WAS ACQUIRED USING HP-226T, RO.	АУР
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00" 38 53'01"N 117 21'10"	W ;37 57′43"N 116 2 W ;38 53′24"N 117 2	5'28"W 1'36"W	
GS920408315214.005	WEATHER DATA FROM KAWICH PEAK INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION AND HUMIDITY FROM SEPTEMBER, 1990 TO SEPTEMBER, 1991.	09/22/90-09/25/91	THESE DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-97, RC AND R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168, RO, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	АУР

ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W

SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AUL TAO ALC IA TFT
TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
WEATHER DATA FROM VEG SPRING WEATHER EQUIPMENT IN STEWART BASIN INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION AND HUMIDITY FROM SEPTEMBER, 1990 TO SEPTEMBER, 1991.	09/25/90-09/24/91	THESE DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-97, RO AND R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168, RO, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	АҮР
ACQN/DEVL LOCATION : 38 53'94"N 117 21'13"	W		
WEATHER DATA INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, HUMIDITY, WIND SPEED AND WIND DIRECTION FROM STEWART CREEK FROM SEPTEMBER, 1990 TO SEPTEMBER, 1991.	09/24/90-09/24/91	THESE DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-97, RO AND R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168, RO, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE; AND HP-198, RO, RO-MOD1, AND R1, MEASUREMENT OF WIND SPEED AND WIND DIRECTION USING THE 05103 R.M. YOUNG WIND MONITOR.	А Ү Р
ACQN/DEVL LOCATION : 38 53'18"N 117 21'36"	W		
WEATHER DATA FROM KAWICH BASE WEATHER SITE, INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, HUMIDITY, WIND SPEED AND WIND DIRECTION FROM SEPTEMBER, 1990 TO SEPTEMBER, 1991.	09/22/90-09/25/91	THESE DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-97, RO AND R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168, RO, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE; AND HP-198, RO, RO-MOD1, AND R1, MEASUREMENT OF WIND SPEED AND WIND DIRECTION USING THE 05103 R.M. YOUNG WIND	А У Р
	SITE CHARACTERI TITLE/DESCRIPTION WEATHER DATA FROM VEG SPRING WEATHER EQUIPMENT IN STEWART BASIN INCLUDING AIR RADIATION AND HUMIDITY FROM SEPTEMBER, 1990 TO SEPTEMBER, 1991. ACQN/DEVL LOCATION : 38 53'94"N 117 21'13" WEATHER DATA INCLUDING AIR TEMPERATURE, SOLI TEMPERATURE, SOLAR RADIATION, HUMIDITY, WIND SPEED AND WIND DIRECTION FROM STEWART CREEK FROM SEPTEMBER, 1990 TO SEPTEMBER, 1991. ACQN/DEVL LOCATION : 38 53'18"N 117 21'36" WEATHER DATA FROM KAWICH BASE WEATHER STIE, INCLUDING AIR TEMPERATURE, SOLI TEMPERATURE, SOLAR RADIATION, HUMIDITY, WIND SPEED AND WIND DIRECTION FROM SEPTEMBER, 1990 TO SEPTEMBER, 1991.	SITE CHARACTERIZATION PLAN BASELIN TITLE/DESCRIPTION ACQN/DEVL PERIOD WEATHER DATA FROM VEG SPRING WEATHER EQUIPMENT IN STEWART BASIN INCLUDING AIR TEMPERATURE, SOLI TEMPERATURE, SOLAR RADIATION AND HUMDIDITY FROM SEPTEMBER, 1990 TO SEPTEMBER, 1991. 09/25/90-09/24/91 ACQN/DEVL LOCATION : 38 53'94"N 117 21'13"W O9/24/90-09/24/91 WEATHER DATA INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, HUMIDITY, WIND SPEED AND WIND DIRECTION FROM STEWART CREEK FROM SEPTEMBER, 1990 TO SEPTEMBER, 1991. 09/24/90-09/24/91 ACQN/DEVL LOCATION : 38 53'18"N 117 21'36"W 09/22/90-09/25/91 MEATHER DATA FROM KAWICH BASE WEATHER STEE, INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, HUMIDITY, WIND SPEED AND WIND DIRECTION FROM SEPTEMBER, 1990 TO SEPTEMBER, 1991. 09/22/90-09/25/91	SITE CHARACTERIZATION PLAN BASELINE TITLE/DESCRIPTION ACQN/DEVL PERIOD ACQN/DEVL METHOD WEATHER DATA FROM VEC SPRING WEATHER ESUPERATURE, NOL THE BEAST NICLODIAR ESUPERATURE, NOL THE BEAST NICLODIAR ESUPERATURE, NOL THE BEAST NICLODIAR PENDIATION AND HUNDITY FROM SEPTEMBER, 1990 TO SEPTEMBER, 1991. 0/25/90-09/24/91 THESE DATA WERE ACQUIRED USING THE FROM SEPTEMBER, 1991. ACQN/DEVL LOCATION : 38 53'94'N 117 21'13'W 0/24/90-09/24/91 THESE DATA WERE ACQUIRED USING THE FOLDATION TEMPERATURE, SOLI EMPERATURE, SOLAR RADIATION, HUNDITY: WINO SPRED AND WIND DIBECTION FROM STEWART CREEF FROM SEPTEMBER, 1990 0/24/90-09/24/91 THESE DATA WERE ACQUIRED USING THE FOLDATION TEMPERATURE, SOLI EMPERATURE, SOLAR RADIATION, HUNDITY: WINO SPRED AND WIND DIBECTION FROM STEWART CREEF FROM SEPTEMBER, 1990 0/22/90-09/24/91 THESE DATA WERE ACQUIRED USING THE FOLDATION FROM SEPTEMBER, 1990. ACQN/DEVL LOCATION : 38 53'18'H 117 21'13'W 0/22/90-09/24/91 THESE DATA WERE ACQUIRED USING THE FOLDATION SEPTEMBER, 1991. ACQN/DEVL LOCATION : 38 53'18'H 117 21'13'W 0/22/90-09/24/91 THESE DATA WERE ACQUIRED USING THE FOLDATION SEPTEMBER, 1991. ACQN/DEVL LOCATION : 38 53'18'H 117 21'13'W 0/22/90-09/24/91 THESE DATA WERE ACQUIRED USING THE FOLDATION SAND WIND DIRED THEREFORD FROM STEWART CREEF FROM SEPTEMBER, 1991. 0/22/90-09/25/91 THESE DATA WERE ACQUIRED USING THE FOLDATION SAND WIND DIRECTION FROM STEWART CREEF FROM SEPTEMBER, 1991. 0/22/90-09/25/91 THESE DATA WERE ACQUIRED USING A FRE FOLDATION USING THE BEADATION HUNDING

(-)

		348		
	SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AUL TAO ALC IA
			_	TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
			MINITOR.	
	ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"	W		
GS920508315214.009	PRECIPITATION DATA FROM KAWICH BASE WEATHER STATION FROM SEPTEMBER 1985 TO MAY 1989.	09/25/85-05/24/89	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING BELFORT WEIGHING RAIN GAGE.	ΑΝΡ
	ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"	W		
GS920508315214.010	PRECIPITATION DATA FROM KAWICH BASE WEATHER STATION FROM MAY 1989 TO SEPTEMBER 1990.	05/24/89-09/23/90	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	АҮР
	ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"	W		
GS920508315214.011	PRECIPITATION DATA FROM KAWICH BASE WEATHER STATION FROM SEPTEMBER 1990 TO SEPTEMBER 1991.	09/23/90-09/25/91	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	АҮР
	ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"	W		
GS920508315214.012	PRECIPITATION DATA FROM KAWICH PEAK WEATHER STATION FROM SEPTEMBER 1988 TO MAY 1989.	09/24/88-05/24/89	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	ANP
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"	W		

(

Ţ

	SITE CHARACTERIZATION PLAN BASELINE				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	YII PEC EDN	1 C R
GS920508315214.013	PRECIPITATION DATA FROM KAWICH PEAK WEATHER STATION FROM MAY 1989 TO SEPTEMBER 1990.	05/24/89-09/23/90	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	ΑΥF	?
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00'	'W			
GS920508315214.014	PRECIPITATION DATA FROM KAWICH PEAK WEATHER STATION FROM SEPTEMBER 1990 TO SEPTEMBER 1991.	09/23/90-09/25/91	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	АҮР	>
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"	W			
GS920508315214.015	PRECIPITATION DATA FROM STEWART BASE WEATHER STATION FROM SEPTEMBER 1985 TO MAY 1989.	09/27/85-05/25/89	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	ANP	>
	ACQN/DEVL LOCATION : 38 53'18"N 117 21'37"	W			
GS920508315214.016	PRECIPITATION DATA FROM STEWART BASE WEATHER STATION FROM MAY 1989 TO SEPTEMBER 1990.	05/25/89-09/24/90	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	АҮР	,
	ACQN/DEVL LOCATION : 38 53'18"N 117 21'37"	W			
GS920508315214.017	PRECIPITATION DATA FROM STEWART BASE WEATHER STATION FROM SEPTEMBER 1990 TO SEPTEMBER 1991.	09/24/90-09/24/91	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	АҮР	>
	ACQN/DEVL LOCATION : 38 53'18"N 117 21'37"	W			

 $(\$

1	((
		350		DQ AUL TAO
	SITE CHARACTERI	ZATION PLAN BASELIN	Έ	ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
GS920508315214.018	PRECIPITATION DATA FROM VEG SPRING WEATHER STATION FROM OCTOBER 1986 TO MAY 1989	10/09/86-05/25/89	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	ANP
	ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"	W		
GS920508315214.019	PRECIPITATION DATA FROM VEG SPRING WEATHER STATION FROM MAY 1989 TO SEPTEMBER 1990.	05/25/89-09/25/90	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	АХР
	ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"	W		
GS920508315214.020	PRECIPITATION DATA FROM VEG SPRING WEATHER STATION FROM SEPTEMBER 1990 TO SEPTEMBER 1991.	09/25/90-09/24/91	DATA WERE ACQUIRED USING HP-167,R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	АҮР
	ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"	W		
GS920508315214.021	SNOW SURVEY NOTES FOR VEG SPRING FOR THE 1988 WATER YEAR AND THE 1989 WATER YEAR.	04/05/88-02/22/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165,R0, METHOD FOR MEASURING SNOW WATER CONTENT	ANC
	ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"	W		
GS920508315214.022	SNOW SURVEY NOTES FOR VEG SPRING FOR THE 1990 WATER YEAR.	01/30/90-04/30/90	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	AYC
	ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"	W		

				DQ AUL TAO ALC	
SITE CHARACTERIZATION PLAN BASELINE					
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N	
GS920508315214.023	SNOW SURVEY NOTES FOR VEG SPRING FOR THE 1991 WATER YEAR.	01/29/91-01/29/91	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	АУС	
	ACQN/DEVL LOCATION : 38 53'04"N 117 21'13'	W			
GS920508315214.024	SNOW SURVEY NOTES FOR STEWART BASE FOR THE 1988 WATER YEAR AND THE 1989 WATER YEAR.	04/05/88-02/22/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	ANC	
	ACQN/DEVL LOCATION : 38 53'18"N 117 21'37'	W			
GS920508315214.025	SNOW SURVEY NOTES FOR STEWART BASE FOR THE 1990 WATER YEAR.	01/31/90-04/03/90	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	АУС	
	ACON/DEVL LOCATION : 38 53'18"N 117 21'37"W				
GS920508315214.026	SNOW SURVEY NOTES FOR STEWART BASE FOR THE 1991 WATER YEAR.	01/29/91-01/29/91	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	АУС	
	ACON/DEVL LOCATION : 38 53'18"N 117 21'37"	W			
GS920508315214.027	SNOW SURVEY NOTES FOR KAWICH BASE FOR THE 1989 WATER YEAR.	02/23/89-02/23/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	ANC	
	ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"	W			

	352		
SITE CHARACTER	IZATION PLAN BASELIN	E	DQ AUL TAO ALC IA
/			T F T Y I I P E O
TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNOW SURVEY NOTES FOR KAWICH BASE FOR THE 1990 WATER YEAR.	01/30/90-01/30/90	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	АҮС
ACQN/DEVL LOCATION : 37 57'37"N 116 25'23	'W		
SNOW SURVEY NOTES FOR KAWICH PEAK FOR THE 1989 WATER YEAR.	02/23/89-02/23/89	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	ANC
ACQN/DEVL LOCATION : 37 57'19"N 116 27'00	"W		
SNOW SURVEY NOTES FOR KAWICH PEAK FOR THE 1990 WATER YEAR.	01/30/90-01/30/90	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	АҮС
ACQN/DEVL LOCATION : 37 57'19"N 116 27'00	"W		
SNOW SURVEY NOTES FOR KAWICH PEAK FOR THE 1991 WATER YEAR.	01/30/91-01/30/91	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165, R0, METHOD FOR MEASURING SNOW WATER CONTENT.	AYC
ACQN/DEVL LOCATION : 37 57'19"N 116 27'00	"₩		
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 USING A TIPPING BUCKET RAIN GAGE. THE METHODS ARE ALSO OUTLINED IN THE DATA	D N T
	SITE CHARACTER: TITLE/DESCRIPTION SNOW SURVEY NOTES FOR KAWICH BASE FOR THE 1990 WATER YEAR. ACQN/DEVL LOCATION : 37 57'37"N 116 25'23' SNOW SURVEY NOTES FOR KAWICH PEAK FOR THE 1989 WATER YEAR. ACQN/DEVL LOCATION : 37 57'19"N 116 27'00' SNOW SURVEY NOTES FOR KAWICH PEAK FOR THE 1990 WATER YEAR. ACQN/DEVL LOCATION : 37 57'19"N 116 27'00' SNOW SURVEY NOTES FOR KAWICH PEAK FOR THE 1991 WATER YEAR. ACQN/DEVL LOCATION : 37 57'19"N 116 27'00' ISOTOPE CONTENT AND TEMPERATURE OF PRECIPITATION IN SOUTHERN NEVADA, AUGUST 1983 - AUGUST 1986, BY MILNE, BENSON, AND MCKINLEY.	352 SITE CHARACTERIZATION FLAN BASELIN <u>TITLE/DESCRIPTION</u> <u>ACQN/DEVL FERIOD</u> SNOW SURVEY NOTES FOR KAWICH BASE FOR 01/30/90-01/30/90 THE 1990 WATER YEAR. ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W SNOW SURVEY NOTES FOR KAWICH PEAK FOR 02/23/89-02/23/89 THE 1989 WATER YEAR. ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W SNOW SURVEY NOTES FOR KAWICH PEAK FOR 01/30/90-01/30/90 THE 1990 WATER YEAR. ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W SNOW SURVEY NOTES FOR KAWICH PEAK FOR 01/30/91-01/30/91 THE 1991 WATER YEAR. ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W SNOW SURVEY NOTES FOR KAWICH PEAK FOR 01/30/91-01/30/91 THE 1991 WATER YEAR. ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W ISOTOPE CONTENT AND TEMPERATURE OF 08/09/83-08/27/86 PRECIPITATION IN SOUTHERN NEVADA, AUGUST 1983 - AUGUST 1986, BY MILNE, BENSON, AND MCKINLEY.	352 SITE CHARACTERIZATION PLAN BASELINE TITLE/DESCRIPTION ACON/DEVL PERIOD ACON/DEVL METHOD SINOW SORVEY NOTES FOR KAWICH BASE FOR 01/30/90-01/30/90 DATA WERE ACQUIRED USING THE FOLLOWING HUDROLOGIC FROCEDURE: HE-165, R0, METHOD FOR MEASURING SNOW WATER VEAR. SNOW SORVEY NOTES FOR KAWICH PEAK FOR 02/23/89-02/23/89 SNOW SORVEY NOTES FOR KAWICH PEAK FOR 01/30/90-01/30/90 SNOW SORVEY NOTES FOR KAWICH PEAK FOR 01/30/90-01/30/90 SNOW SORVEY NOTES FOR KAWICH PEAK FOR 01/30/90-01/30/90 SNOW SORVEY NOTES FOR KAWICH PEAK FOR 01/30/91-01/30/91 SON SOR CATION : 37 57'19"N 116

				D Q A U L
	SITE CHARACTER	ZATION PLAN BASELIN	E	TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	YII PEO EDN
			REPORT.	
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS921208315214.033	WEATHER DATA FROM KAWICH PEAK WEATHER STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, AND HUMIDITY.	09/25/91-09/17/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-97,R1, MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A	АҮС

PYRANOMETER; AND HP-170,R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.

ACON/DEVL LOCATION : 37 57'19"N 116 27'00"W

GS921208315214.034 WEATHER DATA FROM KAWICH BASE WEATHER 09/25/91-09/17/92 DATA WERE ACQUIRED USING THE FOLLOWING AYC STATION INCLUDING AIR TEMPERATURE, SOIL TECHNICAL PROCEDURES: HP-97, R1, MEASUREMENT OF TEMPERATURE AND RELATIVE TEMPERATURE, SOLAR RADIATION, HUMIDITY, WIND SPEED, AND WIND DIRECTION. HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168, RO, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE; AND HP-198, R1, MEASUREMENT OF WIND SPEED AND WIND DIRECTION USING THE 05103 R.M. YOUNG WIND METER.

ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W

353

354 DO AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE ΙA ТЕТ YII PEO DATA TRACKING NO. TITLE/DESCRIPTION ACON/DEVL PERIOD ACON/DEVL METHOD EDN GS921208315214.035 WEATHER DATA FROM VEG SPRING WEATHER 09/24/91-09/16/92 DATA WERE ACQUIRED USING THE FOLLOWING AYC STATION INCLUDING AIR TEMPERATURE, SOIL HPS: HP-97, R1, MEASUREMENT OF TEMPERATURE TEMPERATURE, SOLAR RADIATION, AND AND RELATIVE HUMIDITY USING A CSI 207 HUMIDITY. TEMPERATURE AND RELATIVE HUMIDITY PROBE: HP-168, RO, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE. ACON/DEVL LOCATION : 38 53'04"N 117 21'13"W GS921208315214.036 WEATHER DATA FROM STEWART CREEK WEATHER 09/24/91-09/16/92 DATA WERE ACQUIRED USING THE FOLLOWING AYC STATION INCLUDING AIR TEMPERATURE, SOIL TECHNICAL PROCEDURES: HP-97, R1, TEMPERATURE, SOLAR RADIATION, HUMIDITY, MEASUREMENT OF TEMPERATURE AND RELATIVE WIND SPEED, AND WIND DIRECTION. HUMIDITY USING A CSI 207 TEMPERATURE AND RELATIVE HUMIDITY PROBE; HP-168, RO, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE; AND HP-198, R1, MEASUREMENT OF WIND SPEED AND WIND DIRECTION USING THE 05103 R.M. YOUNG WIND MONITOR. ACON/DEVL LOCATION : 38 53'18"N 117 21'36"W

GS930108315214.003 CHEMICAL ANALYSIS OF SURFACE-WATER, 09/19/84-04/12/89 STANDARD USGS NATIONAL WATER OUALITY ANP SPRING, AND PRECIPITATION SAMPLES LABORATORY ANALYSIS PROCEDURES. COLLECTED FROM KAWICH AND STEWART CREEK BASINS FROM SEPTEMBER, 1984, TO APRIL, 1989. SAMPLES ANALYZED FOR ANIONS, CATIONS, STABLE ISOTOPES, PHYSICAL PARAMETERS.

ACQN/DEVL LOCATION : USGS NWQL, ARVADA, CO

J

	SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AU TA AI TF	LOCAT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I P E E C 	I O N -
GS930108315214.004	CHEMICAL ANALYSIS OF SURFACE-WATER, SPRING, AND PRECIPITATION SAMPLES COLLECTED FROM KAWICH AND STEWART CREEK BASINS FROM MAY, 1989, TO SEPTEMBER, 1991. SAMPLES ANALYZED FOR ANIONS, CATIONS, STABLE ISOTOPES, PHYSICAL PARAMETERS.	05/24/89-09/25/91	STANDARD USGS WATER QUALITY LABORATORY ANALYSIS PROCEDURES.	ΑY	P
	ACQN/DEVL LOCATION : USGS NWQL, ARVADA, CO)			
GS930408315214.005	SURFACE WATER DATA COLLECTED AT THE KAWICH CREEK BASE SITE FROM DECEMBER 1986 TO MAY 1989. THESE DATA WERE COLLECTED USING A 90 DEGREE V-NOTCH WEIR.	12/03/86-05/24/89	DATA WERE ACQUIRED USING HP-54,R0, WATER-FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS AND HP-172,R0, WATER LEVEL MEASUREMENT USING A TEN-TURN POTENTIOMETER.	AN	P
	ACQN/DEVL LOCATION : 37 57'37"N 116 25'23	W			
GS930408315214.006	SURFACE WATER DATA COLLECTED AT THE KAWICH CREEK BASE SITE FROM MAY 1989 TO SEPTEMBER 1991. THESE DATA WERE COLLECTED USING A 90 DEGREE V-NOTCH WEIR.	05/24/89-09/30/91	DATA WERE ACQUIRED USING HP-54,R0, WATER-FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS AND HP-172,R0, WATER LEVEL MEASUREMENT USING A TEN-TURN POTENTIOMETER.	АУ	Υ Ρ
	ACQN/DEVL LOCATION : 37 57'37"N 116 25'23	'W			
GS930408315214.007	SURFACE WATER DATA COLLECTED AT THE KAWICH CREEK BASE SITE FROM SEPTEMBER 1988 TO MAY 1989. THESE DATA WERE COLLECTED USING A FLUME.	09/24/88-05/24/89	DATA WERE ACQUIRED USING HP-54,R0, WATER-FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS AND HP-57,R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS.	AN	IP
	ACQN/DEVL LOCATION : 37 57'05"N 116 27'02	'W			

(

÷

 $(\overline{})$

SOU A A T SITE CHARACTERIZATION PLAN BASELINE				DQ AUL TAO ALC IA
T F Y I				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
GS930408315214.008	SURFACE WATER DATA COLLECTED AT THE KAWICH CREEK BASE SITE FROM MAY 1989 TO SEPTEMBER 1991. THESE DATA WERE COLLECTED USING A FLUME.	05/24/89-09/30/91	DATA WERE ACQUIRED USING HP-54,RO, WATER-FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS AND HP-57,R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS.	АҮР
	ACQN/DEVL LOCATION : 37 57'05"N 116 27'02"	W		
GS930708312291.003	MULTIDISCIPLINARY HYDROLOGIC INVESTIGATIONS AT YUCCA MOUNTAIN, NEVADA, BY WILLIAM W. DUDLEY, JR.	01/01/89-02/05/90	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED MATERIAL.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930708315214.001	WEATHER DATA FROM KAWICH BASE WEATHER STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE AND SOLAR RADIATION FROM MAY 1989 TO SEPTEMBER 1990.	05/24/89-09/22/90	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170,R0 AND R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	АУР
	ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"	W		
GS930708315214.002	WEATHER DATA FROM STEWART BASE WEATHER STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE AND SOLAR RADIATION FROM MAY 1989 TO SEPTEMBER 1990.	05/25/89-09/24/90	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-168,R0, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170,R0 AND R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	АҮР

. . .

1

· (

)

ACQN/DEVL LOCATION : 38 53'18"N 117 21'36"W

	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	D Q A U T A A L T F Y I	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PE ED 	O N
GS930708315214.009	WEATHER DATA FROM KAWICH PEAK WEATHER STATION INCLUDING AIR TEMPERATURE AND SOIL TEMPERATURE FROM SEPTEMBER 1988 TO MAY 1989. ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"	09/24/88-05/24/89 W	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURE: HP-170,R0, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	A N	Р
GS930708315214.010	WEATHER DATA FROM KAWICH PEAK WEATHER STATION INCLUDING AIR TEMPERATURE AND SOIL TEMPERATURE FROM MAY 1989 TO SEPTEMBER 1990.	05/24/89-09/22/90	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-170,R0 AND R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	АУ	P
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"	W			
GS930708315214.011	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM SEPTEMBER 1990 TO SEPTEMBER 1991. THESE DATA WERE COLLECTED USING A 90 DEGREE V-NOTCH WEIR.	09/22/90-09/30/91	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-54,RO, WATER FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS; AND HP-172,RO, WATER LEVEL MEASUREMENT USING A TEN-TURN POTENTIOMETER.	АУ	Ρ
	ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"	WI Construction			
GS930708315214.012	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM OCTOBER 1990 TO SEPTEMBER 1991. THESE DATA WERE COLLECTED USING A PARSHALL FLUME.	10/01/90-09/30/91	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-54,R0, WATER FLOW MEASUREMENTS USING WEIRS, FLUMES, AND BARRELS; AND HP-57,R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS.	АУ	P
	ACON/DEVL LOCATION : 38 53'23"N 117 21'37"N	7			

I

(_____
N.	A A A A A A A A A A A A A A A A A A A	250	$\sim 10^{-10}$ M $_{\odot}$		
		358) JI A C
	SITE CHARACTERI	ZATION PLAN BASELIN	E	A I I T F Y J	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Р Е Е [5 C) N
GS930708315214.013	WEATHER DATA FROM VEG SPRING WEATHER STATION INCLUDING AIR TEMPERATURE AND SOIL TEMPERATURE FROM SEPTEMBER 1988 TO MAY 1989.	09/27/88-05/25/89	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURE: HP-170,R0, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	AN	1 E
	ACQN/DEVL LOCATION : 38 53'04"N 117 21'13'	W			
GS930708315214.014	WEATHER DATA FROM VEG SPRING WEATHER STATION INCLUDING AIR TEMPERATURE AND SOIL TEMPERATURE FROM MAY 1989 TO SEPTEMBER 1990.	05/25/89-09/25/90	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-170,R0 AND R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE.	АY	ſF
	ACQN/DEVL LOCATION : 38 53'04"N 117 21'13'	W			
GS930808315214.016	FIELD NOTES FOR THE ANALOG RECHARGE PROJECT FROM NOVEMBER 1989 TO APRIL 1992.	11/07/89-04/27/92	DATA ACQUIRED USING THE FOLLOWING HPS: HP-16,R3, COLLECTION OF ATM PRECIP SAMPLES FOR H-2 AND O-18 ANALYSIS; HP-54,R0 AND R1, WATER-FLOW MMT USING WEIRS, FLUMES, AND BARRELS; HP-57, R1, USING WATER-LEVEL RECORDERS; HP-91,R2 AND R3, COLLECTION AND ANALYSIS OF SURFACE-WATER SAMPLES; HP-97, R0 AND R1, MMT OF TEMP AND RH USING A CSI 207 PROBE; HP-165,R0, MEASURING SNOW WATER CONTENT; HP-166,R0 AND R1, STREAM DISCHARGE MMT USING A PYGMY CURRENT METER; HP-167,R0, PRECIP MMT USING A BELFORT WEIGHING RAIN GAGE; HP-168,R0, MMT OF ENREGY FLUX DENSITY BY A PYRANOMETER; HP-170,R0 AND R1, MEASURING TEMP USING A CSI 107 PROBE; HP-171,R0 AND R1, LOW TENSION VADOSE MOISTURE SAMPLING; HP-172, R0, WATER LEVEL MMT USING A TEN-TURN POT; HP-184,R0 AND R1, COLLECTION OF ATM PRECIP SAMPLES FOR CHEMICAL ANALYSIS; AND HP-198, R0, R0-MOD 1, AND R1, MMT OF WIND SPEED AND DIRECTION USING A RM YOUNG WIND MONITOR.	Ϋ́	

1

(

(

ACQN/DEVL LOCATION : 37 57'19"N 117 21'37"W ;38 53'23"N 116 25'23"W

				DQ AUL TAO
	SITE CHARAC	TERIZATION PLAN BASELIN	IE	ALC IA TFT
			ACON (DEVID MERINOD	Y I I P E O
DATA TRACKING NO.				E D N
GS930808315214.029	FIELD NOTES FOR THE ANALOG RECHARGE PROJECT FROM SEPTEMBER 1984 TO SEPTEMB 1989.	09/18/84-09/28/89 ER	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURES: HP-16,R1 AND R2, COLLECTION AND PRESERVATION OF ATMOSPHERIC PRECIP SAMPLES FOR H-2 AND 0-18; HP-54,R0, WATER-FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS; HP-57, R0 AND R1, USING GRAPHIC AND DIGITAL WATER-FLEVEL DECORDERS, HP-01 P0	A N P C ,

WATER-LEVEL RECORDERS; HP-91, RO, COLLECTION AND FIELD ANALYSIS OF SURFACE-WATER SAMPLES; HP-165, RO, MEASURING SNOW WATER CONTENT; HP-166, RO, STREAM DISCHARGE MEASUREMENT USING A PYGMY CURRENT METER; HP-167, RO, PRECIP MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE; HP-168, RO, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170, RO, MEASURING TEMPERATURE USING A CSI 107 TEMPERATURE PROBE; HP-171, RO, LOW TENSION VADOSE MOISTURE SAMPLING; HP-172, RO, WATER LEVEL MEASUREMENT USING A TEN-TURN POTENTIOMETER; HP-184, RO COLLECTION AND PRESERVATION OF ATMOSPHERIC PRECIP SAMPLES FOR CHEMICAL ANALYSIS.

ACQN/DEVL LOCATION : 37 57'19"N 117 21'37"W ;38 53'23"N 116 25'23"W

ACQN/DEVL LOCATION : 32 05'24"N 112 44'21"W

360 DQ AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE ΙΑ TFT YII PEO DATA TRACKING NO. TITLE/DESCRIPTION ACON/DEVL PERIOD ACON/DEVL METHOD EDN _____ 09/17/92-09/30/92 DATA WERE ACOUIRED USING THE FOLLOWING GS930908315214.017 WEATHER DATA FROM KAWICH BASE WEATHER AYC TECHNICAL PROCEDURES: HP-97, R1, STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, HUMIDITY, MEASUREMENT OF TEMPERATURE AND RELATIVE WIND SPEED, AND WIND DIRECTION FOR HUMIDITY USING A CSI 207 TEMPERATURE AND SEPTEMBER, 1992. RELATIVE HUMIDITY PROBE; HP-168, RO, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE; AND HP-198, R1, MEASUREMENT OF WIND SPEED AND WIND DIRECTION USING THE 05103 R.M. YOUNG WIND METER. ACON/DEVL LOCATION : 37 57'37"N 116 25'23"W 09/17/92-09/30/92 DATA WERE ACQUIRED USING THE FOLLOWING AYC GS930908315214.018 WEATHER DATA FROM KAWICH PEAK WEATHER TECHNICAL PROCEDURES: HP-97, R1, STATION INCLUDING AIR TEMPERATURE, SOIL TEMPERATURE, SOLAR RADIATION, AND MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY USING A CSI 207 TEMPERATURE AND HUMIDITY FOR SEPTEMBER, 1992. RELATIVE HUMIDITY PROBE; HP-168, RO, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; AND HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE. ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"W GS930908315214.019 WEATHER DATA FROM STEWART CREEK WEATHER 09/16/92-09/30/92 DATA WERE ACQUIRED USING THE FOLLOWING AYC STATION INCLUDING AIR TEMPERATURE, SOIL TECHNICAL PROCEDURES: HP-97, R1, TEMPERATURE, SOLAR RADIATION, HUMIDITY, MEASUREMENT OF TEMPERATURE AND RELATIVE WIND SPEED, AND WIND DIRECTION FOR HUMIDITY USING A CSI 207 TEMPERATURE AND SEPTEMBER, 1992. RELATIVE HUMIDITY PROBE: HP-168, RO, MEASUREMENT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170, R1, METHOD FOR MEASURING TEMPERATURE USING A CAMPBELL SCIENTIFIC, INC., 107 TEMPERATURE PROBE; AND HP-198, R1, MEASUREMENT OF WIND SPEED AND WIND DIRECTION USING THE 05103 R.M. YOUNG WIND METER.

DO AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE ΙA TFT YII PEO TITLE/DESCRIPTION DATA TRACKING NO. ACON/DEVL PERIOD ACON/DEVL METHOD EDN _____ -----

**GS930908315214.021 SURFACE WATER DATA COLLECTED AT THE 10/01 KAWICH CREEK BASE SITE FROM OCTOBER, 1991, TO SEPTEMBER, 1992. THESE DATA COLLECTED USING A 90 DEGREE V-NOTCH

WEIR.

10/01/91-09/30/92 DATA WERE ACQUIRED USING THE FOLLOWING A Y C TECHNICAL PROCEDURES: HP-54, RO AND R1, WATER FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS; AND HP-172, RO, WATER LEVEL MEASUREMENTS USING A TEN-TURN POTENTIOMETER.

DIGITAL WATER-LEVEL RECORDERS.

ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"W

ACON/DEVL LOCATION : 38 53'18"N 117 21'36"W

**GS930908315214.022 SURFACE WATER DATA COLLECTED AT THE KAWICH CREEK BASE SITE FROM OCTOBER, 1991, TO SEPTEMBER, 1992. THESE DATA COLLECTED USING A PARSHALL FLUME. 10/01/91-09/30/92 DATA WERE ACQUIRED USING THE FOLLOWING A Y C TECHNICAL PROCEDURES: HP-54, RO AND R1, WATER FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS; AND HP-57, R1, METHOD FOR USING GRAPHIC AND

ACQN/DEVL LOCATION : 37 57'05"N 116 27'02"W

**GS930908315214.023 SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM OCTOBER, 1991, TO SEPTEMBER, 1992. THESE DATA COLLECTED USING A 90 DEGREE V-NOTCH WEIR. **GS930908315214.023 SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM OCTOBER, 10/01/91-09/30/92 DATA WERE ACQUIRED USING THE FOLLOWING A Y C TECHNICAL PROCEDURES: HP-54, RO AND R1, WATER FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS; AND HP-172, RO, WATER LEVEL MEASUREMENTS USING A TEN-TURN POTENTIOMETER.

ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"W

		362		
	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
**GS930908315214.024	SURFACE WATER DATA COLLECTED AT THE STEWART CREEK BASE SITE FROM OCTOBER, 1991, TO SEPTEMBER, 1992. THESE DATA COLLECTED USING A PARSHALL FLUME.	10/01/91-09/30/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURES: HP-54, RO AND R1, WATER FLOW MEASUREMENTS USING 90 DEGREE V-NOTCH WEIRS, FLUMES, AND BARRELS; AND HP-57, R1, METHOD FOR USING GRAPHIC AND DIGITAL WATER-LEVEL RECORDERS.	АҮС
	ACQN/DEVL LOCATION : 38 53'23"N 117 21'37"	W		
GS930908315214.025	PRECIPITATION DATA FROM KAWICH BASE WEATHER STATION FROM SEPTEMBER, 1991, TO DECEMBER, 1992.	09/25/91-12/03/92	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURE: HP-167, R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	АҮС
	ACQN/DEVL LOCATION : 37 57'37"N 116 25'23"	W		
GS930908315214.026	PRECIPITATION DATA FROM KAWICH PEAK WEATHER STATION FROM SEPTEMBER, 1991, TO FEBRUARY, 1993.	09/25/91-02/03/93	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURE: HP-167, R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	АҮС
	ACQN/DEVL LOCATION : 37 57'19"N 116 27'00"	W		
G5930908315214.027	PRECIPITATION DATA FROM STEWART BASE WEATHER STATION FROM SEPTEMBER, 1991, TO FEBRUARY, 1993.	09/24/91-02/02/93	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURE: HP-167, R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	АУС

ACQN/DEVL LOCATION : 38 53'18"N 117 21'37"W

SITE CHARACTERIZATION PLAN BASELINE			DQ AUL TAO ALC IA TET	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
GS930908315214.028	PRECIPITATION DATA FROM VEG SPRING WEATHER STATION FROM SEPTEMBER, 1991, TO FEBRUARY, 1993.	09/24/91-02/02/93	DATA WERE ACQUIRED USING THE FOLLOWING TECHNICAL PROCEDURE: HP-167, R0, PRECIPITATION MEASUREMENT USING A BELFORT WEIGHING RAIN GAGE.	АУС
	ACQN/DEVL LOCATION : 38 53'04"N 117 21'13"	W		
**GS930908315214.030	CHEMICAL ANALYSIS OF SURFACE-WATER, SPRING, AND PRECIPITATION SAMPLES COLLECTED FROM KAWICH AND STEWART CREEK BASINS FROM FEBRUARY, 1992, TO SEPTEMBER, 1992. SAMPLES ANALYZED FOR ANIONS, CATIONS, STABLE ISOTOPES, AND PHYSICAL PARAMETERS.	02/18/92-01/22/93	STANDARD USGS NATIONAL WATER QUALITY LABORATORY ANALYSIS PROCEDURES.	АҮС
	ACQN/DEVL LOCATION : USGS NWQL, ARVADA, CO			
GS931008315214.031	FIELD NOTES FOR THE ANALOG RECHARGE PROJECT FROM JUNE, 1992, TO SEPTEMBER, 1992.	06/09/92-09/30/92	DATA ACQUIRED USING THE FOLLOWING PROCEDURES: HP-16,R3, COLLECTION OF ATM PRECIP SAMPLES FOR H-2 AND 0-18 ANALYSIS; HP-54,R1, WATER-FLOW MMT USING WEIRS, FLUMES, AND BARRELS; HP-57,R1, USING WATER-LEVEL RECORDERS; HP-91,R3, COLLECTION AND ANALYSIS OF SURFACE-WATER SAMPLES; HP-97,R1, MMT OF TEMP AND RH USING A CSI 207 PROBE; HP-165,R0, MEASURING SNOW WATER CONTENT; HP-166,R1, STREAM DISCHARGE MEASUREMENT USING A PYGMY CURRENT METER; HP-167,R0, PRECIP MMT USING A BELFORT WEIGHING RAIN GAGE; HP-168,R0, MMT OF ENERGY FLUX DENSITY BY A PYRANOMETER; HP-170,R1, MEASURING TEMP USING A CSI 107 PROBE; HP-171,R1, LOW TENSION VADOSE MOISTURE SAMPLING; HP-172, R0, WATER LEVEL MMT USING A TEN-TURN POT; HP-184,R1, COLLECTION OF ATM PRECIP SAMPLES FOR CHEMICAL ANALYSIS; AND HP-198, R1, MMT OF WIND SPEED AND DIRECTION USING AN RM YOUNG WIND MONITOR.	ΑΥC

ACQN/DEVL LOCATION : 37 57'19"N 117 21'37"W ;38 53'23"N 116 25'23"W

 $\overline{}$

((364	(
	SITE CHARACTERT	ZATION PLAN BASELIN	2	DQ AU TA AL I	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TF YI PE D	T I O N
**GS931008315214.032	METEOROLOGICAL, DISCHARGE, AND WATER-QUALITY DATA FOR 1992 FROM TWO BASINS IN CENTRAL NEVADA, BY P.W. MCKINLEY AND THOMAS OLIVER	12/01/92-10/08/93	DATA WERE DEVELOPED INTO DAILY VALUE TABLES USING THE NATIONAL WATER INFORMATION SYSTEM (NWIS) DATABASE. MISSING DATA WERE ESTIMATED BY REGRESSION TO OTHER METEOROLOGICAL DATA USING MINITAB RELEASE 7.2 OR WERE ESTIMATED BY INTERPOLATION.	DУ	Ρ
GS931108315214.033	ACQN/DEVL LOCATION : USGS, DENVER, CO AN ESTIMATE OF THE ROUGHNESS LENGTH AND DISPLACEMENT HEIGHT OF SONORAN DESERT VEGETATION, SOUTH-CENTRAL ARIZONA, BY H.C. CLAASSEN AND A.C. RIGGS	02/15/89-01/16/91	WINDSPEED, WIND DIRECTION, TEMPERATURE AND RELATIVE HUMIDITY DATA USED TO ESTIMATE THE ROUGHNESS LENGTH FOR MOMENTUM AND DISPLACEMENT HEIGHT FOR TYPICAL SONORAN DESERT VEGETATION.	DN	с
GS940108315214.001	ACQN/DEVL LOCATION : USGS, DENVER, CO SNOW SURVEY NOTES FOR KAWICH BASIN AND STEWART BASIN FOR THE 1992 WATER YEAR.	02/18/92-04/09/92 W -38 53/23"N 116 2	DATA WERE ACQUIRED USING THE FOLLOWING HYDROLOGIC PROCEDURE: HP-165,R0, METHOD FOR MEASURING SNOW WATER CONTENT. 5/23"W	АY	c
GS940308315214.002	ESTIMATES OF GROUND-WATER RECHARGE RATES FOR TWO SMALL BASINS IN CENTRAL NEVADA, BY ROBERT W. LICHTY AND PATRICK W. MCKINLEY.	10/01/93-03/31/94	DATA WERE DEVELOPED USING THE PRECIPITATION-RUNOFF MODELING SYSTEM (PRMS) AND THE CHLORIDE-ION MODEL (CHLORO) MODELING SOFTWARE.	DN	P

ACQN/DEVL LOCATION : USGS, DENVER, CO

SITE CHARACTERIZATION PLAN BASELINE				I A T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	EDN
*GS940908315214.003	METEOROLOGICAL DATA FROM THREE HEIGHTS AT A SITE IN ORGAN PIPE CACTUS NATIONAL MONUMENT, ARIZONA, AUGUST 1992 THROUGH MARCH, 1994, BY A.C. RIGGS, H.C. CLAASSEN AND D.J. BURKHARDT.	04/01/94-08/15/94	THIS REPORT PRESENTS A 20-MONTH RECORD OF METEOROLOGICAL DATA COLLECTED AT ORGAN PIPE CACTUS NATIONAL MONUMENT IN ARIZONA. THE DATA WERE ASSEMBLED INTO TABLES AND GRAPHS FOR EASY USE. DATA PRESENTED INCLUDE SOLAR RADIATION, BAROMETRIC PRESSURE, AIR TEMPERATURE, RELATIVE HUMIDITY AND WIND VELOCITY.	DNP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.5.	2.1.5			
GS900908315215.001	URANIUM THORIUM, ISOTOPIC ANALYSES AND URANIUM-SERIES AGES OF CALCITE AND OPAL, AND STABLE ISOTOPIC COMPOSITIONS OF CALCITE FROM DRILL CORES UE25A#1 (UE-25A #1), USW G-2, AND USW G-3/GU-3, YUCCA MOUNTAIN, NEVADA.	01/01/83-12/31/83	USGS STANDARD COLLECTION METHODS.	DNT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
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.	DNT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

((266	(
		366	_	DQ AUL TAO ALC
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	IA TFT YII PEO EDN
GS910508315215.005	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 5/3/89 TO 5/9/91 ACQN/DEVL LOCATION : USGS, DENVER, CO	05/03/89-05/09/91	NWM-USGS-GCP-12,R1-3, RB-SR ISOTOPE GEOCHEMISTRY.	АҮС
GS910508315215.006	CALCITE-SILICA DATA FROM 9/19/89 TO 10/12/89. ROCKS FROM TOPOPAH SPRINGS, CALICO HILLS, PROW PASS, BULLFROG, TRAIN FORMATION, UNIT A, B, AND C, LITHIC RIDGE TUFF, FLOW BRECCIA, HD-32-1, HD-29, 5-4-89D, 5-489F.	09/19/89-10/12/89	USGS TECHNICAL PROCEDURE NWM-USUS-GCP-13, REV 2, URANIUM THORIUM AND LEAD GEOCHEMISTRY (ISOTOPE GEOLOGY).	АУР
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS910508315215.007	CALCITE-SILICA DATA FROM 5/88-12/88. TRENCH 14 - ISOTOPIC DATA FOR PB, U, TH, TRENCH 14A AND BUSTED BUTTE.	05/01/88-12/01/88	USGS TECHNICAL PROCEDURE NWM-USGS-GCP-13, REV 2, URANIUM, THORIUM, AND LEAD GEOCHEMISTRY (ISOTOPE GEO).	АҮР
	ACON/DEVL LOCATION : USGS, DENVER, CO			
GS910508315215.008	CALCITE-SILICA DATA FROM 1-90 TO 3-90 FOR TRENCH 14. ISOTOPIC DATA FOR LEAD, URANIUM AND THRORIUM.	01/01/90-03/01/90	USGS TECHNICAL PROCEDURE NWM-USGS-GCP-13, REVISION 2, URANIUM, THORIUM, AND LEAD GEOCHEMISTRY (ISOTOPE GEOLOGY).	АҮР
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

				DQ AUL TAO ALC
	SITE CHARACTER	IZATION PLAN BASELIN	IE	I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS910508315215.009	CALCITE-SILICA DATA FROM 3-90 TO 7-90 FOR LEAD, URANIUM, AND THORIUM ISOTOPES. DATA FROM TRENCH 14, TRENCH 14A, AND BUSTED BUTTE.	03/01/90-07/01/90	USGS TECHNICAL PROCEDURE NWM-USGS-GCP-13, REVISION 2, URANIUM, THORIUM, AND LEAD GEOCHEMISTRY (ISOTOPE GEOLOGY).	АҮР
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS910608315215.010	TABLE OF STRONTIUM ISOTOPE DATA IN SUPPORT OF PUBLICATION.	12/01/90-12/31/90	USGS STANDARD COLLECTION METHODS.	DYT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS910908315215.012	RAW DATA FOR FISSION-TRACK COUNTING AND CALIBRATION FOR TUFF SAMPLES COLLECTED BY W. CARR.	01/26/89-02/08/91	FISSION-TRACK DATING OF CALIBRATION STANDARDS (ZIRCON FC-3) AND GEOLOGIC MATERIAL COLLECTED FOR YMP.	АУР
	ACQN/DEVL LOCATION : BUSTED BUTTE TRENCH 14			
GS911008315215.013	87SR/86SR ANALYSIS OF BAILED WATER SAMPLE FROM DRILL HOLE UE25P#1, YUCCA MOUNTAIN NEVADA.	06/12/90-06/19/90	NWM-USGS-GCP-12, RB-SR ISOTOPE GEOCHEMISTRY	АУС
	ACQN/DEVL LOCATION : UE25P#1			
GS911008315215.014	ANALYTICAL RESULTS OF URANIUM AND URANIUM ACTIVITY RATIOS IN WELDED TUFF AND QUATERNARY ALLUVIUM AQUIFERS.	02/13/89-02/13/89	NWM-USGS-GCP-03	ANC
	ACQN/DEVL LOCATION : FRENCHMAN FLAT JACKASS FLAT			

		368	× *	
	SITE CHARACTERI	ZATION PLAN BASELIN	E	D Q A U L T A O A L C I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	
GS911108315215.015	ANALYTICAL RESULTS OF URANIUM, THORIUM, AND URANIUM ACTIVITY RATIOS IN WATER SAMPLES FROM J-12, J-13, WT-1, WT-7, WT-10, WT-17, VH-2. SAMPLES WT-1, WT-7, WT-10, AND WT-17 ARE SUSPECT. THEY ARE SCOPING SAMPLES AS WELL.	06/01/90-06/01/91	ANALYTICAL RESULTS WERE OBTAINED PER NWM-USGS-GCP-03, R2. URANIUM-SERIES DATING. SAMPLES WERE COLLECTED PER NWM-USGS-GCP-23T, R0, BAILED WATER SAMPLING PROCEDURE.	АҮР
	ACQN/DEVL LOCATION : J-12 J-13 VH-2 WT-1 WT-10 WT-17 WT-7			
GS911208315215.016	CALCITE VALUES OF SAMPLES FROM DRILL HOLES USW G-2, G-3/GU-3, USW G-1, USW G-4, UE25 A#1, UE25 B#1, AND P#1	12/01/90-05/31/91	STABLE ISOTOPIC AND U-SERIES AGE DATA FROM CALCITE SAMPLES COLLECTED PER TECHNICAL PROCEDURE USGS GCP-16	атс
	ACQN/DEVL LOCATION : UE25 A#1, UE25 B#1 UE25 P#1 USW G-1 USW G-2 USW G-3 USW G-4 USW GU-3			

.

	SITE CHARACTERI	SITE CHARACTERIZATION PLAN BASELINE		
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
GS920208315215.003	87SR/86SR RATIOS ON WATER SAMPLES OBTAINED FROM WELLS WT-17, -15, -14, -10, -7, -4, -1.	04/22/91-05/08/91	NWM-USGS-GCP-12, R3	АҮР
	ACQN/DEVL LOCATION : USW WT-1 USW WT-10 USW WT-14 USW WT-15 USW WT-17 USW WT-4 USW WT-7			
GS920208315215.004	"ISOTOPIC STUDIES OF FRACTURE COATINGS AT YUCCA MOUNTAIN, NEVADA" BY B. MARSHALL, J. WHELAN, Z. PETERMAN, K. FUTA, S. MAHAN, AND J. STUCKLESS	01/06/92-02/18/92	ANALYTICAL AND INTERPRETIVE METHODS BASED ON THE AUTHORS' COMBINED EDUCATION AND WORK EXPERIENCE WERE USED TO DEVELOP THIS REPORT.	DNC
	ACON/DEVL LOCATION : USGS, DENVER, CO			
GS920208315215.005	PB,U, AND TH ISOTOPIC DATA ON CALCITE-SILICA SAMPLES FROM TRENCH 14 AND BUSTED BUTTE.	06/01/90-05/31/91	NWM-USGS-GCP-13, R2 AND R3.	АҮР
	ACQN/DEVL LOCATION : BUSTED BUTTE TRENCH 14			
GS920208315215.008	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 5/10/91 TO 2/28/92	05/10/91-02/28/92	NWM-USGS GCP-12,R3, RB-SR ISOTOPE GEOCHEMISTRY	AYC
	ACON/DEVL LOCATION : SOLID SOURCE MASS SPE CO	CTROMETER BAY, USGS	, DENVER,	

(((
		370		
				D Q A U L
				TAO
	STTE CHARACTERT	ZATTON PLAN BASELIN	E	ALC
		DATION PLAN DADDDIN.	-	TFT
				YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920208315215.009	"STRONTIUM ISOTOPE GEOCHEMISTRY OF CALCITE FRACTURE FILLING IN DEEP CORE, YUCCA MOUNTAIN, NEVADA - A PROGRESS REPORT" BY Z. PETERMAN, J. STUCKLESS, B. MARSHALL, S. MAHAN, AND K. FUTA.	01/06/92-02/14/92	ANALYTICAL AND INTERPRETIVE METHODS BASED ON THE AUTHORS' COMBINED EDUCATION AND WORK EXPERIENCE WERE USED TO DEVELOP THE REPORT.	DYC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS920208315215.012	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 4/8/88 TO 5/2/89	04/08/88-05/02/89	NWM-USGS GCP-12,R0, RB-SR ISOTOPE GEOCHEMISTRY.	ANC
	ACON/DEVL LOCATION : SOLID SOURCE MASS SPE	CTROMETER BAY, USGS	, DENVER,	
	CO			
GS920208315215.013	87 SR/86 SR MASS SPECTROMETER DATA AS OBTAINED BY THE 54E MICROMASS MULTIPLE SAMPLE COLLECTOR AND THE NBS#2 6" SINGLE SAMPLE COLLECTOR.	03/18/91-12/24/91	THIS IS A SUBSET EXTRACTED FROM A TWO SETS OF DATA. SEE ATTACHMENT 1 FOR A LISTING OF THE SELECTED DATA SET.	DYC
	ACQN/DEVL LOCATION : SOLID SOURCE MASS SPE CO	CTROMETER BAY, USGS	, DENVER,	
GS920308315215.014	DELTA 87 SR VALUES ON ALL OF THE SAMPLES FROM SPRINGS AND WELLS IN THE ASH MEADOWS FLOW SYSTEM COLLECTED BY ISOTOPE GEOLOGY.	02/10/92-02/10/92	THIS IS A SUBSET OF DATA EXTRACTED FROM A SET OF MASS SPECTROMETER DATA PREVIOUSLY DOCUMENTED ON ACQUIRED DATA TDIFS.	DNC

.

ACON/DEVL LOCATION : SOLID SOURCE MASS SPECTROMETER BAY, USGS, DENVER, CO .

SITE CHARACTERIZATION PLAN BASELINE				D A T A T	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E -	
GS920308315215.015	"STRONTIUM ISOTOPE CHARACTERIZATION OF THE ASH MEADOWS GROUND-WATER SYSTEM, SOUTHERN NEVADA" BY Z. PETERMAN, J. STUCKLESS, S. MAHAN, B. MARSHALL, E. GUTENTAG AND J. DOWNEY.	02/10/92-03/04/92	ANALYTICAL AND INTERPRETIVE METHODS BASED ON THE AUTHORS' COMBINED EDUCATION AND WORK EXPERIENCE WERE USED TO DEVELOP THE REPORT.	D	NC
GS920608315215.016	ACON/DEVL LOCATION : USGS, DENVER, CO PB, U, AND TH ISOTOPIC DATA ON CALCUTE CILLCA AND VOLCANIC BOCK SAMPLES	05/01/88-05/31/91	ANALYTICAL AND INTERPRETIVE METHODS BASED	D	NP
	FROM YUCCA MOUNTAIN, NEVADA, AND VICINITY ACQN/DEVL LOCATION : USGS, DENVER, CO		EXPERIENCE WERE USED TO DEVELOP THE DATA		
GS920708315215.017	CARBONATE CARBON AND OXYGEN ISOTOPE ANALYSES OF SAMPLES FROM TRENCH 14, BUSTED BUTTE, AND DRILL HOLE USW G-4	06/20/88-05/02/89	GCP-16,R0, R1, R2, CARBONATE CARBON AND OXYGEN ISOTOPE ANALYSES.	A	NC
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS920708315215.018	CARBONATE CARBON AND OXYGEN ISOTOPE ANALYSES OF SAMPLES FROM TRENCH 14 AND BUSTED BUTTE.	05/03/89-10/01/89	SELECTION OF SOURCE DATA FOR THESE ANALYSES OF THESE SAMPLES.	A	хс
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS920708315215.019	CARBONATE CARBON AND OXYGEN ISOTOPE ANALYSES OF SAMPLES FROM TRENCH 14, BUSTED BUTTE, AND DRILL HOLE USW G-4	06/20/88-10/01/89	SELECTION OF DATA FOR SAMPLES LISTED.	D	NC
	ACQN/DEVL LOCATION : USGS, DENVER, CO				

_

_

 $\overline{}$

371

(₁	((
		372		DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	Έ	I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E O E D N
GS920708315215.020	STABLE ISOTOPE GEOCHEMISTRY OF FAULT- AND FRACTURE-HOSTED CALCITE AND GROUND-WATER CARBONATE, YUCCA, MOUNTAIN AREA, NEVADA	01/02/90-03/31/90	ANALYSIS OF STABLE ISOTOPE GEOCHEMISTRY OF FAULT- AND FRACTURE-HOSTED CALCITE AND GROUND WATER CARBONATE	DNP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS920708315215.021	CALCAREOUS MICROFOSSIL STUDIES OF TRENCH 14 AND BUSTED BUTTE, NYE COUNTY, NEVADA	06/24/88-06/24/88	HP-78,R1, NONMARINE CALCAREOUS MICROFOSSIL SAMPLE PREPARATION AND DATA ACQUISITION PROCEDURES.	ANC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS920708315215.022	CALCAREOUS MICROFOSSIL STUDIES OF TRENCH 14 AND BUSTED BUTTE, NYE COUNTY, NEVADA	09/24/90-11/02/91	HP-78,R1, NONMARINE CALCEREOUS MICROFOSSIL SAMPLE PREPARATION AND DATA ACQUISITION PROCEDURES.	АҮС
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS920708315215.023	CHRYSOPHYTE CYSTS - MICROFOSSIL STUDIES OF TRENCH 14 AND BUSTED BUTTE, NYE COUNTY, NEVADA	06/24/88-12/31/88	HP-76,R0, DIATOM ENUMERATION STUDIES.	ANC
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
GS920708315215.024	URANIUM CONCENTRATIONS, ISOTOPIC ACTIVITY RATIOS, AND AGES OF CARBONATE DEPOSITS	07/03/86-07/15/86	METHODS DESCRIBED IN GCP-03,RO & R1, URANIUM-SERIES DATING, & GCP-04,RO & R1 URANIUM-TREND DATING.	ANC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

	SITE CHARACTERI	ZATION PLAN BASELIN	Е	DQ AU TA AL TF YI	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PE ED	0 N
GS920708315215.025	URANIUM CONCENTRATIONS, ISOTOPIC ACTIVITY RATIOS, AND AGES OF CARBONATE DEPOSITS AND YUCCA MOUNTAIN AREA GROUND WATER	06/22/89-04/10/92	METHODS DESCRIBED IN GCP-03,R1, URANIUM-SERIES DATING, & GCP-04,R1 URANIUM-TREND DATING.	ΑY	c
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS920708315215.026	U, TH, AND PB CONCENTRATIONS AND PB ISOTOPIC COMPOSITIONS OF CARBONATE-SILICATE VEINS, CALCRETE, & VOLCANIC ROCKS FROM YUCCA MOUNTAIN, NV.	09/01/89-05/31/91	SELECTION OF DATA FROM SOURCES. AVERAGE CONCENTRATIONS AND CARBONATE AND SILICATE PERCENTAGES CALCULATED BY LEACHING AND WEIGHING METHOD DESCRIBED IN THE DATA TABLES.	DΥ	c
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS920708315215.027	87SR/86SR RATIOS IN SAMPLES FROM YUCCA MOUNTAIN VICINITY	07/01/92-07/27/92	NWM-USGS GCP-12,R3, RB-SR ISOTOPE GEOCHEMISTRY.	DN	c
	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	АҮ	P
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS921208315215.028	PALEOHYDROLOGIC IMPLICATIONS OF THE STABLE ISOTOPIC COMPOSITION OF SECONDARY CALCITE WITHIN THE TERTIARY VOLCANIC ROCKS OF YUCCA MOUNTAIN, NEVADA BY JOSEPH F. WHELAN AND JOHN S. STUCKLESS.	05/31/91-04/10/92	DATA FROM CARBON AND OXYGEN ISOTOPIC COMPOSITION STUDIES OF CALCITE SAMPLED THROUGHOUT THE VOLCANIC SECTION WERE USED TO DETERMINE THE TEXTURAL, PARAGENETIC, AND GEOCHEMICAL DIFFERENCES WHICH DISTINGUISH CALCITE DEPOSITED BELOW THE WATER TABLE FROM THAT DEPOSITED IN THE UNSATURATED ZONE.	ΡY	с
	ACQN/DEVL LOCATION : USGS, DENVER, CO				

_

373

•

(((
		374		DQ AUL TAO ALC
	SITE CHARACTER	RIZATION PLAN BASELIN	E	I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
GS921208315215.029	U-SERIES RAW DATA FROM QUATERNARY SPRING DEPOSITS, CRATER FLAT & AMARGOSA VALLEY, NV.	12/10/91-12/24/92	YMP-USGS-GCP-03,R2 URANIUM-SERIES DATING	AYC
	ACQN/DEVL LOCATION : USGS U-SERIES LABS,	DENVER, CO		
GS921208315215.030	U-SERIES RAW DATA FROM 236U-229TH MIXED SPIKE CALIBRATION, BOTTLE #7, OBTAINED BEFORE 5/2/89.	01/15/88-07/04/88	YMP-USGS-GCP-03,R2 URANIUM-SERIES DATING ; YMP-USGS-GCP-22,R0: SPIKE CALIBRATION FOR URANIUM-SERIES AND URANIUM-TREND ANALYSIS	ANC
	ACQN/DEVL LOCATION : USGS U-SERIES LABS,	DENVER, CO		
GS921208315215.031	U-SERIES RAW DATA FROM 236U-229TH MIXED SPIKE CALIBRATION, BOTTLE #7.	01/03/90-01/31/91	YMP-USGS-GCP-03,R2 URANIUM-SERIES DATING ; YMP-USGS-GCP-22,R0: SPIKE CALIBRATION FOR URANIUM-SERIES AND URANIUM-TREND ANALYSIS	АҮС
	ACQN/DEVL LOCATION : USGS U-SERIES LABS,	DENVER, CO		-
GS921208315215.032	U-SERIES RAW DATA FROM 236U-229TH MIXED SPIKE CALIBRATION, BOTTLE #7.	02/20/92-09/14/92	YMP-USGS-GCP-03,R2 URANIUM-SERIES DATING ; YMP-USGS-GCP-22,R0: SPIKE CALIBRATION FOR URANIUM-SERIES AND URANIUM-TREND ANALYSIS	АҮС
	ACQN/DEVL LOCATION : USGS U-SERIES LABS,	DENVER, CO		
GS921208315215.034	REDUCED SPIKE #7 CALIBRATION DATA WITH FINAL CONCENTRATION CALIBRATION CALCULATIONS	01/12/92-12/14/92	APPROPRIATE DATA REDUCTION AND ASSESSMENT AS DICTATED BY SCIENTIFIC REASONING AND EXPERIENCE OF THE PRINCIPAL INVESTIGATOR. FINAL CALIBRATION INCLUDES DATA COLLECTED PRIOR TO MAY 1989.	DNC

ACQN/DEVL LOCATION : USGS, U-SERIES LABS, DENVER

	SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
GS921208315215.036	DATA REDUCTION CALCULATIONS FOR DETERMINING CORRECTED CONCENTRATIONS, ISOTOPIC RATIOS AND AGES FOR QUATERNARY SPRING DISCHARGE DEPOSITS FROM CRATER FLAT, AND AMARGOSA VALLEY, NV.	08/01/92-12/30/92	APPROPRIATE DATA REDUCTION AND ASSESSMENT AS DICTATED BY SCIENTIFIC REASONING AND EXPERIENCE OF THE PRINCIPAL INVESTIGATOR.	DNC
	ACQN/DEVL LOCATION : USGS U-SERIES LABS, D	ENVER, CO		
GS921208315215.037	LATE QUATERNARY HISTORY AND URANIUM ISOTOPIC COMPOSITIONS OF GROUND WATER DISCHARGE DEPOSITS, CRATER FLAT, NEVADA: BY JAMES B. PACES, EMILY M. TAYLOR, CHARLES A. BUSH.	08/12/92-12/30/92	INTERPRETATIONS AND CONCLUSIONS FROM DATA ARE BASED ON THE SCIENTIFIC REASONING AND EXPERIENCE OF THE PRINCIPAL INVESTIGATOR.	DNC
	ACQN/DEVL LOCATION : USGS U-SERIES LABS, D	ENVER, CO		
GS930108315215.001	STRONTIUM ISOTOPIC EVIDENCE FOR A HIGHER WATER TABLE AT YUCCA MOUNTAIN, BY B.D. MARSHALL, Z.E. PETERMAN, AND J.S. STUCKLESS.	11/01/92-01/19/93	THIS REPORT SUMMARIZES STRONTIUM DATA PREVIOUSLY ANALYZED AND LINKS THOSE DATA TO OTHER STUDIES WHICH SUPPORT THE PRESENCE OF A HIGHER WATER TABLE AT YUCCA MOUNTAIN DURING THE QUATERNARY.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930108315215.002	ISOTOPIC STUDIES OF CAVITY FILLING AND FRACTURE COATING MINERALS AS AN AID TO UNDERSTANDING PALEOHYDROLOGY, YUCCA MOUNTAIN, NEVADA, USA, BY B.D. MARSHALL, J.S. STUCKLESS, Z.E. PETERMAN, AND J.F. WHELAN	10/01/92-12/08/92	THE STUDY OF FRACTURE COATINGS & OTHER OPEN-SPACE FILLINGS IN THE VOLCANIC ROCKS SUMMARIZED IN THE PUBLICATION IS AN EXTENSION OF PREVIOUS WORK EMPHASIZING SECONDARY MINERALS IN THE CALCAREOUS SOIL HORIZONS SURROUNDING THE SITE & A RECONNAISSANCE STUDY OF THE DEEPER FRACTURE FILLINGS THROUGHOUT THE ROCK MASS. THIS EARLY WORK FOCUSED ON THE ORIGIN OF THE LARGE CALCITE-SILICA DEPOSITS WHICH ARE PARTICULARLY WELL DEVELOPED ALONG FAULTS IN ORDER TO ESTABLISH THE NATURE OF THE FLUID FLUX WHICH LED TO THEIR DISPOSITION. OF PARTICULAR INTEREST IN THE CURRENT STUDY ARE QUESTIONS OF WHETHER CERTAIN MINERALS	DNC

376 DΩ AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE ΙΑ тгт ΥΙΙ PEO ACQN/DEVL PERIOD ACQN/DEVL METHOD EDN DATA TRACKING NO. TITLE/DESCRIPTION _____ _____ _____ AND/OR THEIR ISOTOPIC COMPOSITIONS PROVIDE EVIDENCE FOR THEIR HYDROLOGIC ORIGINS. ACON/DEVL LOCATION : USGS, DENVER, CO 04/06/92-10/02/92 USGS TECHNICAL PROCEDURE NWM-USGS-GCP-13, A Y C GS930108315215.003 URANIUM, THORIUM AND LEAD ANALYSIS OF R2, URANIUM, THORIUM, AND LEAD ISOTOPE CALCITE- SILICA SAMPLES FROM BARE MTN., GEOCHEMISTRY STRIPED HILLS, YUCCA MTN. DRILL CORES ACON/DEVL LOCATION : USGS, DENVER, CO 10/01/92-12/08/92 THIS REPORT WAS DEVELOPED TO ASSIST IN DYC GS930108315215.004 LEAD ISOTOPIC COMPOSITION OF PALEOZOIC DETERMINING WHETHER SECONDARY AND LATE PROTEROZOIC CARBONATE ROCKS IN CARBONATE-BEARING COMPOUNDS, SUCH AS FOUND THE VICINITY OF YUCCA MOUNTAIN, NV, BY UBIQUITOUSLY IN CALCRETES AND SHALLOW VEIN R.E. ZARTMAN AND L.M. KWAK. DEPOSITS, HAVE BEEN INTRODUCED INTO THE SURFACE AND NEAR SURFACE ENVIRONMENT ENTIRELY BY PEDOGENIC PROCESSES OR, IN PART, BY THE UPWARD MOVEMENT OF THE HYDROTHERMAL FLUIDS. ACQN/DEVL LOCATION : USGS, DENVER, CO GS930108315215.005 U AND SR IN GROUNDWATER AND CALCITE, 10/01/90-02/01/91 SR AND U ISOTOPIC COMPOSITIONS OF DNC YUCCA MOUNTAIN, NEVADA: EVIDENCE AGAINST HYDROGENIC MATERIALS WERE USED TO TEST UPWELLING WATER, BY J.S. STUCKLESS, Z.E. WHETHER THE DEPOSITS IN FAULT ZONES AT

YUCCA MOUNTAIN COULD HAVE FORMED FROM

UPWELLING OF DEEP-SEATED WATERS.

ACQN/DEVL LOCATION : USGS, DENVER, CO

PETERMAN & D.R. MUHS.

SITE CHARACTERIZATION PLAN BASELINE				DQ AUL TAO ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930108315215.006	CHARACTERIZATION OF FAULT-FILLING DEPOSITS IN THE VICINITY OF YUCCA MOUNTAIN, NEVADA, BY J.S. STUCKLESS, Z.E. PETERMAN, R.L. FORESTER, J.F. WHELAN, D.T. VANIMAN, B.D. MARSHALL AND E.M. TAYLOR	10/01/91-12/31/91	CHARACTERIZATION OF CALCITE AND OPALINE SILICA VEIN-LIKE DEPOSITS THAT INFILL FAULTS AND FRACTURES IN THE VICINITY OF YUCCA MOUNTAIN.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930108315215.007	RECONNAISSANCE CARBONATE CARBON AND OXYGEN ISOTOPE DATA FROM TRENCH 14, BUSTED BUTTE, AND DRILL HOLE (USW) G-4 YUCCA MOUNTAIN, NEVADA, TEST SITE, BY J. WHELAN AND J.S. STUCKLESS	11/01/89-12/31/89	ANALYSIS OF CARBONATE CARBON AND OXYGEN ISOTOPE VALUES OF CALCITE FROM THE YUCCA MOUNTAIN AREA TO DETERMINE TRENDS AND VARIATIONS ON THE TEMPERATURE OF CALCITE PRECIPITATION.	DNC
	ACON/DEVL LOCATION : USGS, DENVER, CO			
GS930108315215.008	PRELIMINARY STUDY OF LEAD ISOTOPES IN THE CARBONATE-SILICA VEINS OF TRENCH 14, YUCCA MOUNTAIN, BY R.E. ZARTMAN AND L.M. KWAK	09/01/89-05/31/91	ANALYSIS OF SOURCE MATERIALS THAT HAVE CONTRIBUTED TO THE TRENCH-14 CARBONATE-SILICATE VEINS BASED ON A LEAD ISOTOPE CHARACTERIZATION OF THE VEIN & OTHER ROCKS FROM WHICH THE LEAD MAY HAVE BEEN DERIVED.	DYC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930108315215.009	URANIUM-SERIES DATING OF SECONDARY CARBONATES NEAR YUCCA MOUNTAIN, NEVADA: APPLICATIONS TO TECTONIC, PALEOCLIMATIC AND PALEOHYDROLOGIC PROBLEMS BY D.R. MUHS, J.W. WHITNEY, R.R. SHROBA, E.M. TAYLOR, AND C.A. BUSH	11/01/89-02/21/90	IN THE YUCCA MTN. NV AREA SOILS & SURFICIAL GEOLOGIC DEPOSITS ARE OFTEN THE HOST FOR ACCUMULATIONS OF SECONDARY CALCIUM CARBONATE. SUCH CARBONATES ARE OFTEN USEFUL FOR GEOCHRONOLOGIC STUDIES BECAUSE THEY FORMED AFTER DEPOSITION OF THE HOST SEDIMENT. THEREFORE, THEY PROVIDE USEFUL MINIMUM AGES FOR THE HOST SEDIMENT OR SOIL. THE CARBONATES WERE DATED USING THE URANIUM-SERIES DISEQUILIBRIUM METHOD (230TH / 234U) BECAUSE URANIUM BUT NO THORIUM IS COPRECIPITATED WITH THE CARBONATE.	D N C
		377		

(_____

•

		378		D Q A U L T A O
	SITE CHARACTER.	ACTERIZATION PLAN BASELINE		ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
GS930108315215.010	AGES AND STABLE-ISOTOPE COMPOSITIONS OF SECONDARY CALCITE AND OPAL IN DRILL CORES FROM TERTIARY VOLCANIC ROCKS OF THE YUCCA MOUNTAIN AREA, NEVADA, BY B.J. SZABO AND T.K. KYSER.	04/01/87-05/23/89	AGES OF CALCITE, FREE OF ACID-INSOLUBLE RESIDUE, AND OF OPAL SAMPLES ARE CALCULATED FROM THEIR MEASURED 230TH/234U ACTIVITY RATIOS USING STANDARD RADIOACTIVE GROWTH AND DECAY EQUATIONS ASSUMING THAT THE AUTHIGENIC CALCITE AND OPAL HAD REMAINED IDEAL CLOSED SYSTEMS WITH RESPECT TO ISOTOPES OF U AND TH SINCE THEIR FORMATION. THE DATES FOR IMPURE CALCITE SAMPLES WERE CALCULATED USING THE RESULTS FOR THE ACID-SOLUBLE AND ACID INSOLUBLE FRACTIONS IN A PSEUDO-ISOCHRON-PLOT METHOD DESCRIBED BY SZABO AND OTHERS (1981) AND SZABO AND ROSHOLT (1982).	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
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.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS930308315215.015	WATER TABLE DECLINE IN THE SOUTH-CENTRAL GREAT BASIN DURING THE QUATERNARY: IMPLICATIONS FOR TOXIC WASTE DISPOSAL, BY I.J. WINOGRAD AND B.J. SZABO	01/01/85-12/31/85	DATA FROM WATER TABLE ALTITUDES AND EXTRAPOLATION OF GROWTH RATE, BASED ON URANIUM-SERIES DATING, WERE USED TO DEVELOP CONCLUSIONS REGARDING THE CLIMATIC FLUCTUATIONS AND CHANGES IN HYDROGEOLOGIC AND TECTONIC CONDITIONS DURING THE QUATERNARY PERIOD.	DNT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

	SITE CHARACTERT	ZATION DIAN BACETIN	TE .	DQ AUI TAC ALC	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		
GS930408315215.017	FIELD LOGS OF THE NORTH AND SOUTH WALLS EXPOSED IN TRENCH 14 ON THE BOW RIDGE FAULT AT EXILE HILL, NYE COUNTY, NEVADA.	08/01/84-12/31/85	TRENCH 14 WALLS WERE MAPPED BY PLACING ONE-METER GRIDS OVER THE TRENCH WALLS. DATA POINTS WERE MEASURED OFF THE GRID AND DRAWN ON GRID PAPER AT A SCALE OF $1" = 1$ METER AND $2" = 2$ METERS.	ANP	
	ACQN/DEVL LOCATION : TRENCH 14, NTS				
GS930408315215.018	FRACTURE ORIENTATIONS IN BEDROCK AND ALLUVIUM, NORTH AND SOUTH WALLS OF TRENCH 14.	10/01/84-10/01/84	FAULT ORIENTATIONS MEASURED WITH A BRUNTON COMPASS.	ANP	
	ACQN/DEVL LOCATION : NORTH AND SOUTH WALLS	, TRENCH 14, NTS			
GS930408315215.019	FIELD LOG OF THE SOUTH WALL OF TRENCH 14D, EXILE HILL, NEVADA.	07/20/90-07/22/90	TRENCH WALL WAS MAPPED BY PLACING A ONE METER GRID OVER THE TRENCH WALL. DATA POINTS WERE MEASURED OFF THE GRID AND DRAWN ON GRID PAPER AT A SCALE OF $2" = 1$ METER.	АҮР	
	ACQN/DEVL LOCATION : TRENCH 14D, NTS				
**GS930408315215.020	FIELD DESCRIPTION OF A CHARACTERISTIC SOIL EXPOSED IN THE SLOPE-WASH ALLUVIUM AT TRENCH 14.	10/13/85-10/13/85	DESCRIBE SOIL IN THE FIELD USING STANDARD SOIL DESCRIPTION TECHNIQUES AND NOMENCLATURE.	ANP	

ACQN/DEVL LOCATION : TRENCH 14, NTS

	Α	380		
				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	I A T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
GS930408315215.021	SELECTED GRAIN-SIZE DATA, BULK DENSITY,	02/01/86-03/31/86	STANDARD LABORATORY ANALYSIS - CENTRAL	 A N P
	AND CALCIUM CARBONATE CONTENT FROM A CHARACTERISTIC SOIL EXPOSED IN THE SLOPE-WASH ALLUVIUM IN TRENCH 14, EXILE HILL, NEVADA.		REGION GEOLOGY SEDIMENTOLOGY LAB, CO.	
	ACQN/DEVL LOCATION : USGS CENTRAL REGIONAL USGS, DENVER, CO	GEOLOGY LAB, DENVE	R, CO	
GS930408315215.022	X-RAY DIFFRACTION TRACE OF OPALINE SILICA FROM TRENCH 14.	12/01/84-12/31/84	MINIFRAX X-RAY DIFFRACTOMETER.	ANP
	ACQN/DEVL LOCATION : USGS CENTRAL REGIONAL	GEOLOGY LAB, DENVE	R, CO	
**GS930408315215.023	DOMINANT PHYSICAL CHARACTERISTICS AND PERCENTAGES OF CALCIUM CARBONATE IN THE DEPOSITS EXPOSED IN TRENCH 14D.	11/13/90-11/21/90	PHYSICAL CHARACTERISTICS DETERMINED USING STANDARD SOIL DESCRIPTIONS IN THE FIELD AT TRENCH 14D. PERCENT OF CALCIUM CARBONATE AND PARTICLE SIZE DISTRIBUTION DETERMINED AT THE CENTRAL REGION GEOLOGY SEDIMENTOLOGY LAB.	АУР
	ACQN/DEVL LOCATION : TRENCH 14D, NTS USGS, DENVER, CO			
GS930408315215.024	LITHOLOGY, FAULT DISPLACEMENT, AND ORIGIN OF SECONDARY CALCIUM CARBONATE AND OPALINE SILICA AT TRENCHES 14 AND 14D ON THE BOW RIDGE FAULT AT EXILE HILL, NYE COUNTY, NEVADA, BY E.M. TAYLOR AND H.E. HUCKINS.	01/01/88-12/01/90	RAW PHYSICAL, CHEMICAL, MINERALOGIC, BIOLOGIC, PETROGRAPHIC AND ISOTOPIC DATA WERE ANALYZED TO DETERMINE THE GENERAL PROPERTIES THAT ARE CHARACTERISTIC OF PEDOGENIC DEPOSITS. THE GOAL WAS TO DETERMINE THE ORIGIN OF THE CALCIUM CARBONATE AND OPALINE SILICA IN VEINS AND ALLUVIUM AT TRENCH 14.	D"N P

ACQN/DEVL LOCATION : USGS, DENVER, CO

SITE CHARACTERIZATION PLAN BASELINE				D Q A U L T A O A L C I A T F T Y I I P F O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
**GS930508315215.026	STOP 16: TRENCH 14, BY E.M. TAYLOR, J.S. STUCKLESS, AND S.S. LEVY. CHARACTERIZATION OF CALCITE AND OPALINE SILICA DEPOSITS.	01/01/88-04/18/89	AUTHORS' INTERPRETATIONS AND SUMMARIES OF PREVIOUSLY PUBLISHED REPORTS.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO		х х	
GS930908315215.027	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 3/2/92 TO 11/18/92	03/02/92-11/18/92	GCP-12,R3, RB-SR ISOTOPE GEOCHEMISTRY.	АУС
	ACQN/DEVL LOCATION : SOLID SOURCE MASS SPE CO	CTROMETER BAY, USGS	, DENVER,	
GS931008315215.029	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 11/19/92 TO 12/3/93.	11/19/92-12/03/93	USGS TECHNICAL PROCEDURE GCP-12,R3, RB-SR ISOTOPE GEOCHEMISTRY	AYC
	ACQN/DEVL LOCATION : SOLID SOURCE MASS SPE CO	CTROMETER BAY, USGS	, DENVER,	
GS931008315215.030	CARBON AND OXYGEN ISOTOPE ANALYSES OF CAVITY- AND FRACTURE-COATING CALCITE AND SOIL CARBONATE FROM DRILL HOLES AND OUTCROPS, MAY '89 - OCT. '93.	05/15/89-10/31/93	NWM-USGS GCP-16,R3, CARBONATE CARBON AND OXYGEN ISOTOPE ANALYSES.	AYC

ACQN/DEVL LOCATION : USGS, DENVER, CO

~

		382		
				DQ AUL TAO ALC
	SITE CHARACTERIZATION PLAN BASELINE Y P			I A T F T Y I I P F O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS931108315215.031	STRONTIUM ISOTOPES IN CARBONATE DEPOSITS AT CRATER FLAT, NV, BY B.D. MARSHALL, K. FUTA, Z.E. PETERMAN, AND J.S. STUCKLESS.	01/01/90-12/31/90	TO HELP CHARACTERIZE THE ORIGINS AND ESTIMATE THE AGES OF SOME HYDROGENIC DEPOSITS, DATA FROM STRONTIUM ISOTOPE ANALYSES OF CARBONATES ARE COMPARED. SAMPLE DATA FROM SOILS, VEINS, EOLIAN DUST, AND PALEOZOIC BASEMENT TAKEN SOUTH AND WEST OF YM ARE COMPARED TO SIMILAR SAMPLE DATA FROM EAST OF YM AND TO TERTIARY AQUIFER WATER. SR ISOTOPE RATIOS VS FREQUENCY ARE PRESENTED IN HISTOGRAMS.	D N C
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
*GS931108315215.032	SR AND ND ISOTOPIC DATA AND RB, SR, ND, AND SM CONCENTRATIONS FROM DRILL CORE SPECIMENS FROM UE-25A #1.	07/01/90-11/30/90	GCP-12, RB-SR ISOTOPE GEOCHEMISTRY AND GCP-21, SM-ND ISOTOPE GEOCHEMISTRY	DYP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS931108315215.033	FLUID INCLUSION TEMPERATURES FROM DRILL HOLES USW G-1 AND G-2, OCT. 92 - SEPT. 93.	10/01/92-09/30/93	NWM-USGS GCP-27,R0, DETERMINATION OF TEMPERATURE AND SALINITY FROM MINERAL-HOSTED FLUID INCLUSIONS.	АУС
	ACQN/DEVL LOCATION : HARVARD UNIV., CAMBR	IDGE, MA		
GS931108315215.034	CARBON 14 AGES FROM DRILL HOLES USW G-1, G-2, GU-3, AND G-4, APRIL 92 - JAN. 93.	04/01/92-01/31/93	DATA WERE ACQUIRED BY DR. T. STAFFORD OF THE UNIVERSITY OF COLORADO. CARBONATE CARBON WAS EXTRACTED BY STANDARD 14C PROCEDURES AND THE 14C CONTENT WAS DETERMINED BY AMS AT LAWRENCE LIVERMORE NATIONAL LABORATORIES.	ANC
	ACQN/DEVL LOCATION : LLNL, LIVERMORE, CA UNIV. OF COLORADO, BO	OULDER, CO		

				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	Έ	I A T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
GS931108315215.035	OXYGEN STABLE ISOTOPE ANALYSES OF OPAL FROM DRILL HOLES AND OUTCROPS, JUNE 92 - AUG. 92.	06/01/92-08/31/92	DATA WERE ACQUIRED BY DR. L. KNAUTH OF ARIZONA STATE UNIV. DR. KNAUTH IS AN APPROVED QA VENDOR. DATA ACQUIRED BY STEPWISE FLUORINATION OF OPALINE SILICA TO REMOVE EXTRANEOUS WATER PRIOR TO EXTRACTION OF THE SILICATE OXYGEN.	AYC
	ACQN/DEVL LOCATION : ASU, TEMPE, AZ			
GS931208315215.036	STABLE ISOTOPE COMPOSITION OF SOIL CO2, MARCH 93 - SEPT. 93.	03/01/93-09/30/93	NWM-USGS GCP-33,R0, EXTRACTION OF SOIL GAS CO2 FOR STABLE ISOTOPE ANALYSIS AND GCP-16,R3, CARBONATE CARBON AND OXYGEN STABLE ISOTOPE ANALYSES.	АҮС
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS931208315215.037	ISOTOPIC STUDIES OF YUCCA MOUNTAIN SOIL FLUIDS AND CARBONATE PEDOGENESIS, BY T. MCCONNAUGHEY, K. WICKLAND, AND J. WHELAN.	09/01/93-12/17/93	STUDY OF ISOTOPIC COMPOSITIONS OF SECONDARY MINERALS PRECIPITATED FROM FLUIDS PERCOLATING THROUGH SOILS, FRACTURES, AND FAULTS, AND ORGANISMS LIVING IN THOSE FLUIDS, TO INFER THE ISOTOPIC COMPOSITIONS OF THE PARENT FLUIDS. TO INCREASE ACCURACY OF THIS PROCESS ISOTOPIC COMPOSITIONS OF MODERN SOIL FLUIDS ARE COMPARED, WHERE POSSIBLE, WITH MODERN CARBONATE PRECIPITATES.	DΥΡ
	ACON/DEVL LOCATION : USGS, DENVER, CO			

Ŀ

	N.	384		
				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	IE	IÀ
				TFT YII
	/			PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	E D N
GS940108315215.001	PALEOCLIMATIC AND PALEOHYDROLOGIC RECORDS FROM SECONDARY CALCITE, YUCCA MOUNTAIN, NEVADA, BY J.F. WHELAN, D.T. VANIMAN, J.S. STUCKLESS, AND R.M. MOSCATI.	09/24/93-12/29/93	ANALYSIS OF SECONDARY CALCITE THROUGH STABLE ISOTOPE ANALYSES OF CALCITE AND OPAL, FLUID INCLUSION FORMATION CONDITIONS AND GAS COMPOSITIONS, SR ISOTOPE RATIOS, AND REE COMPOSITIONS TO SUGGEST PALEOCLIMATIC AND PALEOHYDROLOGIC RECORDS.	DNP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS940108315215.002	FLUID INCLUSION STUDIES OF CALCITE VEINS FROM YUCCA MOUNTAIN, NEVADA, TUFFS: ENVIRONMENT OF FORMATION, BY E. ROEDDER, J.F. WHELAN, AND D.T. VANIMAN.	08/24/93-12/30/93	THE CRUSHING TEST PROVIDES A QUALITATIVE ESTIMATE OF THE GAS PRESSURE WITHIN A VAPOR INCLUSION AT THE TIMES OF CRUSHING. OPTICAL MEASUREMENTS ARE MADE TO ESTABLISH THE APPROXIMATE VOLUME OF THE INCLUSION BEFORE CRUSHING AND THE VOLUME PERCENT OF THE ORIGINAL VOLUME. THE VOLUME DECREASE IS A FUNCTION OF VAPOR PRESSURE OF WATER IN THE VAPOR PHASE AT THE TIME OF TRAPPING (AND HENCE, THE TEMPERATURE OF TRAPPING).	DYP
	ACQN/DEVL LOCATION : HARVARD UNIV., CAMBRI	IDGE, MA		
GS940108315215.003	U-TH ISOTOPIC DATA FOR U-SERIES DISEQUILIBRIUM DATA FROM CARBONATES ASSOCIATED WITH EARLY HOLOCENE TO LATE PLEISTOCENE GROUND-WATER DISCHARGE AT PAHRUMP AND DEATH VALLEY. DATA INCLUDE SAMPLE AND SPIKE WEIGHTS, AND CUMULATIVE ALPHA DECAY COUNTS FOR EACH OF THE ISOTOPES OF INTEREST (238U, 236U, 234U, 232TH, 230TH, 229TH) AS WELL AS CALCULATED U AND TH CONCENTRATIONS, ACTIVITY RATIOS, AND CORRELATION	10/23/92-12/15/93	YMP-USGS GCP-03,R2, U-SERIES DATING	АУС

ACQN/DEVL LOCATION : USGS U-SERIES LABS, DENVER, CO

	старастер	IZATTON PLAN BASELIN	т.	DQ AUL TAO ALC
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T F T Y I I P E O E D N
GS940108315215.004	STRONTIUM ISOTOPE GEOCHEMISTRY OF SOIL AND PLAYA DEPOSITS NEAR YUCCA MOUNTAIN, NEVADA, BY B.D. MARSHALL AND S.A. MAHAN ACON/DEVL LOCATION : USGS, DENVER, CO	09/01/93-01/27/94	INTERPRETATION OF LAND DEVELOPMENT OF MODEL BASED ON SOURCE DATA	DNP
**GS940208315215.005	AN EVALUATION OF EVIDENCE PERTAINING TO THE ORIGIN OF VEIN DEPOSITS EXPOSED IN TRENCH 14, NEVADA TEST SITE, NEVADA, BY J.S. STUCKLESS	01/01/90-08/30/90	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED WORK.	DNC
GS940308315215.006	ACQN/DEVL LOCATION : USGS, DENVER, CO URANIUM, THORIUM, AND LEAD ANALYSES OF CALCITE-SILICA DRILL CORES USW G-1, G-2, G-3 AND G-4 AND WATER SAMPLES FROM YUCCA MOUNTAIN VICINITY.	09/01/92-12/14/93	TECHNICAL PROCEDURE NWM-USGS GCP-13,R2, URANIUM, THORIUM, AND LEAD ISOTOPE GEOCHEMISTRY.	АУР
*GS940608315215.006	ACQN/DEVL LOCATION : USGS, DENVER, CO OXYGEN STABLE ISOTOPE ANALYSES OF OPAL FROM DRILL HOLES AND OUTCROP, JUNE 1994.	06/08/94-06/14/94	DATA WAS ACQUIRED AT THE USGS BY STEPWISE FLUORINATION OF OPALINE SILICA TO REMOVE EXTRANEOUS WATER PRIOR TO EXTRACTION OF THE SILICATE OXYGEN. GCP-15,R3: OXYGEN ISOTOPE ANALYSIS OF OPAL, CHALCEDONY, AND QUARTZ	АУР
	ACON/DEVL LOCATION : USGS, DENVER, CO			

		386		
DATA TRACKING NO.	SITE CHARACTER TITLE/DESCRIPTION	IZATION PLAN BASELIN ACQN/DEVL PERIOD	E ACQN/DEVL METHOD	D Q A U L T A O A L C I A T F T Y I I P E O E D N
*GS940608315215.007	OXYGEN AND HYDROGEN STABLE ISOTOPE ANALYSES OF SPRING WATERS, FEB-JUNE, 1994	02/02/94-06/20/94	DATA WAS ACQUIRED AT THE USGS. OXYGEN DATA WERE COLLECTED BY REACTING A KNOWN AMOUNT OF CO2 WITH THE WATER, AND THE DEUTERIUM DATA WAS COLLECTED BY EXTRACTING H2 USING THE ZINC SHOT METHOD. GCP-17, R2 AND R3 - DETERMINATION OF THE ISOTOPE RATIO OF H/D IN H2O AND SN-0058, EXTRACTION TECHNIQUE FOR DETERMINATION OF DELTA O18 IN H2O	АУР
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
*GS940908315215.008	OXYGEN AND HYDROGEN STABLE ISOTOPE ANALYSES OF SOUTHERN NEVADA SPRINGS, JULY - AUGUST, 1994	07/01/94-08/26/94	OXYGEN DATA WERE COLLECTED BY EQUILIBRATING A KNOWN AMOUNT OF CO2 WITH THE WATER, AND THE DEUTERIUM DATA WAS COLLECTED BY EXTRACTING H2 USING THE ZINC SHOT METHOD. SN-0058, EXTRACTION TECHNIQUES FOR DETERMINATION OF DELTA 180 IN H2O, GCP-17,R3, DETERMINATION OF THE ISOTOPIC RATIO OF H/D IN H2O	А У Р
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS941008315215.009	STRONTIUM ISOTOPE RATIOS AND ISOTOPE DILUTION DATA FOR RUBIDIUM AND STRONTIUM COLLECTED 12/6/93 TO 8/17/94	12/06/93-08/17/94	USGS TECHNICAL PROCEDURE GCP-12,R3, RB-SR ISOTOPE GEOCHEMISTRY	АУР

ACQN/DEVL LOCATION : USGS, DENVER, CO

	SITE CHARACTERI	ZATION PLAN BASELIN		DQ AUL TAO ALC IA TFT YII PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	E D N
Activity - 8.3.1.6.	1.1			
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	DNT
	ACON/DEVIL LOCATION : USGS, MENLO PARK, CA			
Activity - 8.3.1.6.	1.1.1			
GS921208316111.001	FIELD NOTEBOOKS RELATING TO SAMPLING OF BOULDERS FOR ROCK VARNISH (CATION RATIO) DATING, HILLSLOPE DEGRADATION RATES, AND CHARACTERISTICS OF COLLUVIAL BOULDER DEPOSITS IN THE YUCCA MOUNTAIN AREA. ACQN/DEVL LOCATION : NTS; AREA 18 NTS; AREA 25	06/09/84-07/15/87	FIELD MEASUREMENTS, OBSERVATIONS, AND SAMPLING BASED ON INVESTIGATOR'S EDUCATION AND EXPERIENCE.	АҮС
GS921208316111.002	RELICT COLLUVIAL BOULDER DEPOSITS AS PALEOCLIMATIC INDICATORS IN THE YUCCA MOUNTAIN REGION, SOUTHERN NEVADA, BY JOHN W. WHITNEY AND CHARLES D. HARRINGTON. ACQN/DEVL LOCATION : USGS, DENVER, CO	09/01/92-12/01/92	INTERPRETIVE ANALYSES BASED ON EDUCATION AND EXPERIENCE.	DYC

j,

(-)

		388		
				DQ AUL TAO
	SITE CHARACTERI	ZATION PLAN BASELIN	E	IA
				TFT YII PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	EDN
GS930108316111.001	"PRELIMINARY DESCRIPTION OF QUATERNARY AND LATE PLIOCENE SURFICIAL DEPOSITS AT YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NEVADA" BY D.L. HOOVER	01/01/87-06/14/89	COMPILATION OF EXISTING DATA RESULTING IN A DESCRIPTION OF QUATERNARY AND LATE PLIOCENE SURFICIAL DEPOSITS AT YUCCA MOUNTAIN AND VICINITY.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930208316111.002	FIELD NOTES FROM OBSERVATIONS OF THE SOUTH-FACING HILLSLOPE OF JAKE RIDGE, ABOUT 6 KM EAST OF YUCCA MOUNTAIN, WHERE DEBRIS FLOWS OCCURRED IN JULY, 1984.	10/25/89-11/24/92	FIELD NOTES WERE RECORDED ACCORDING TO SPECIFICATIONS IN USGS TECHNICAL PROCEDURE GP-01,R1 & R2, GEOLOGIC MAPPING.	ANP
	ACQN/DEVL LOCATION : N236550(N) E176850(N)			
GS930208316111.003	PRE- AND POST-DEBRIS-FLOW DIGITAL ELEVATION MODELS (WITH 2M SPATIAL RESOLUTION) OF THE SOUTH-FACING HILLSLOPE OF JAKE RIDGE, ABOUT 6 KM EAST OF YUCCA MOUNTAIN.	07/01/91-10/25/91	DIGITAL ELEVATION MODELS (DEM'S) WERE MEASURED FROM PRE-FLOW (1982) AND POST-FLOW (1991) AERIAL PHOTOGRAPHS USING AN ANALYTICAL STEREO PLOTTER AND A PREVIOUSLY EXISTING SET OF GROUND CONTROL POINTS.	ΑΝΡ
	ACQN/DEVL LOCATION : N236420(N) E176730(N) USGS, DENVER, CO	;N236750(N) E17697	0 (N)	
GS930208316111.004	VOLUMETRIC ANALYSIS OF DEBRIS ERODED FROM A HILLSLOPE NEAR YUCCA MOUNTAIN DURING A CONVECTIVE STORM, BY J.A. COE, P.A. GLANCY, & J.W. WHITNEY.	07/01/91-02/05/93	VOLUMES OF DEBRIS ERODED WERE CALCULATED BY NUMERICAL INTEGRATION OF A DIFFERENCE DEM CREATED BY SUBTRACTING THE PRE-DEBRIS-FLOW DEM FROM THE POST-DEBRIS-FLOW DEM. INTER-CHANNEL AREAS AND DIFFERENCE VALUES THAT FELL WITHIN THE 2 SIGMA MEASUREMENT ERROR (+/- 0.3M) WERE	DNP

NOT INCLUDED IN THE VOLUMETRIC CALCULATION.

ACQN/DEVL LOCATION : USGS, DENVER, CO

	SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AUL TAO ALC IA
				T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
TMTPR000000001.001	TOPICAL REPORT - EVALUATION OF THE POTENTIAL ADVERSE CONDITION "EVIDENCE OF EXTREME EROSION DURING THE QUATERNARY PERIOD" AT YUCCA MOUNTAIN, NEVADA	03/01/92-03/08/93	NEW DATA WAS DEVELOPED BY ANALYSIS AND EVALUATION OF EXISTING DATA.	DYT
	ACQN/DEVL LOCATION : T&MSS			
Activity - 8.3.1.6.	1.1.2			
GS921208316111.001	FIELD NOTEBOOKS RELATING TO SAMPLING OF BOULDERS FOR ROCK VARNISH (CATION RATIO) DATING, HILLSLOPE DEGRADATION RATES, AND CHARACTERISTICS OF COLLUVIAL BOULDER DEPOSITS IN THE YUCCA MOUNTAIN AREA.	06/09/84-07/15/87	FIELD MEASUREMENTS, OBSERVATIONS, AND SAMPLING BASED ON INVESTIGATOR'S EDUCATION AND EXPERIENCE.	АҮС
	ACQN/DEVL LOCATION : NTS; AREA 18 NTS; AREA 25			
GS921208316111.002	RELICT COLLUVIAL BOULDER DEPOSITS AS PALEOCLIMATIC INDICATORS IN THE YUCCA MOUNTAIN REGION, SOUTHERN NEVADA, BY JOHN W. WHITNEY AND CHARLES D. HARRINGTON.	09/01/92-12/01/92	INTERPRETIVE ANALYSES BASED ON EDUCATION AND EXPERIENCE.	DYC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
TMTPR00000001.001	TOPICAL REPORT - EVALUATION OF THE POTENTIAL ADVERSE CONDITION "EVIDENCE OF EXTREME EROSION DURING THE QUATERNARY PERIOD" AT YUCCA MOUNTAIN, NEVADA	03/01/92-03/08/93	NEW DATA WAS DEVELOPED BY ANALYSIS AND EVALUATION OF EXISTING DATA.	DYT
	ACQN/DEVL LOCATION : T&MSS			

		390		
				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	E	IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
Activity - 8.3.1.6.	1.1.3			
GS921208316111.001	FIELD NOTEBOOKS RELATING TO SAMPLING OF BOULDERS FOR ROCK VARNISH (CATION RATIO) DATING, HILLSLOPE DEGRADATION RATES, AND CHARACTERISTICS OF COLLUVIAL BOULDER DEPOSITS IN THE YUCCA MOUNTAIN AREA.	06/09/84-07/15/87	FIELD MEASUREMENTS, OBSERVATIONS, AND SAMPLING BASED ON INVESTIGATOR'S EDUCATION AND EXPERIENCE.	АҮС
	ACQN/DEVL LOCATION : NTS; AREA 18 NTS; AREA 25			
GS921208316111.002	RELICT COLLUVIAL BOULDER DEPOSITS AS PALEOCLIMATIC INDICATORS IN THE YUCCA MOUNTAIN REGION, SOUTHERN NEVADA, BY JOHN W. WHITNEY AND CHARLES D. HARRINGTON.	09/01/92-12/01/92	INTERPRETIVE ANALYSES BASED ON EDUCATION AND EXPERIENCE.	DYC
	ACON/DEVL LOCATION : USGS, DENVER, CO			
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.	DNC
	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.	DNC

ACON/DEVL LOCATION : USGS, DENVER, CO

	SITE CHARACTERI	ZATION PLAN BASELIN	Е	DQ AUL TAO ALC IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
LA00000000011.001	ROCK VARNISH CATION-RATIO DATA ACQN/DEVL LOCATION : YUCCA MOUNTAIN AND VI	06/30/84-07/31/88 CINITY	FIELD SAMPLING, SEM ANALYSIS	АҮТ
LA00000000019.001	SAMPLE DATA FOR MANGANESE ACCUMULATION IN ROCK VARNISH FOR CLASTS COLLECTED FROM ALLUVIAL SURFACES ON THE SODA MOUNTAIN PIEDMONT IN THE MOJAVE DESERT, CALIFORNIA.	01/01/91-01/01/92	MANGANESE OXIDES WERE DISSOLVED OFF VARNISHED CLASTS COLLECTED FROM ALLUVIAL SURFACES, AND THE AMOUNT OF MANGANESE WAS MEASURED USING INDUCTIVELY-COUPLED PLASMA EMISSION SPECTROSCOPY. DP 114 WAS FOLLOWED.	АУТ
	ACQN/DEVL LOCATION : LANL			
LA00000000019.002	MANGANESE ACCUMULATION IN ROCK VARNISH ON A DESERT PIEDMONT, MOJAVE DESERT, CALIFORNIA, AND APPLICATION TO EVALUATING VARNISH DEVELOPMENT.	01/01/92-12/01/92	THE DATA WERE REVIEWED AND FURTHER STATISTICAL ANALYSIS WAS PERFORMED.	DYT
	ACQN/DEVL LOCATION : LANL			
LA00000000026.001	SCANNING ELECTRON MICROSCOPE METHOD FOR ROCK-VARNISH DATING	06/30/84-06/30/86	FIELD SAMPLING, SEM ANALYSIS	DYC
	ACQN/DEVL LOCATION : LANL			
LA00000000026.002	ROCK-VARNISH CATION RATIO DATA AND ROCK-VARNISH DATING CURVE CALIBRATION SITES DATA	07/01/86-06/30/91	FIELD SAMPLING, SEM ANALYSIS	DҮТ
	ACQN/DEVL LOCATION : LANL			

((392		D 0
	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	DQ AUL TAO ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVI. METHOD	PEO EDN
LA00000000029.001	"BARIUM CONCENTRATION IN ROCK VARNISH: IMPLICATIONS FOR CALIBRATED ROCK VARNISH DATING CURVES"	05/01/89-11/30/89	SCANNING ELECTRON MICROSCOPE METHOD FOR ROCK VARNISH DATING.	DYC
	ACQN/DEVL LOCATION : LANL			
LA00000000030.001	"BARIUM CONCENTRATION IN ROCK VARNISH: IMPLICATIONS FOR CALIBRATED ROCK-VARNISH DATING CURVES"; SCANNING MICROSCOPY.	11/30/89-01/30/91	SCANNING ELECTRON MICROSCOPE METHOD FOR ROCK-VARNISH DATING.	DΥC
	ACQN/DEVL LOCATION : LANL			
TMTPR00000001.001	TOPICAL REPORT - EVALUATION OF THE POTENTIAL ADVERSE CONDITION "EVIDENCE OF EXTREME EROSION DURING THE QUATERNARY PERIOD" AT YUCCA MOUNTAIN, NEVADA	03/01/92-03/08/93	NEW DATA WAS DEVELOPED BY ANALYSIS AND EVALUATION OF EXISTING DATA.	DY'T
	ACQN/DEVL LOCATION : T&MSS			
Activity - 8.3.1.6.	2.1.1			
GS910708316211.001	DATA IS BASED ON GEOLOGIC FIELD MAPPING, INFORMATION OBTAINED FROM DRILL HOLES AS WELL AS PUBLISHED DATA.	01/01/79-01/01/85	FIELD MAPPING AS WELL AS INFORMATION OBTAINED FROM DRILL HOLES.	ANP

ACQN/DEVL LOCATION : USW G-3 USW GU-3

	SITE CHARACTER	IZATION PLAN BASELIN	IE.	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.6.	.3.1.1			
GS900908316311.001	PRELIMINARY ASSESSMENT OF THE RISK OF VOLCANISM AT A PROPOSED NUCLEAR WASTE REPOSITORY IN THE SOUTHERN GREAT BASIN, BY BRUCE M. CROWE AND W.J. CARR	01/01/78-12/13/80	USGS STANDARD COLLECTION METHODS. REPORT SUMMARIZES THE STATUS OF THE VOLCANIC HAZARD STUDY.	DYC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.8.	.1.1.3			
LA00000000048.001	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.	DNC
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.8.	.1.1.4			
LA00000000070.001	SIMULATION MODELING OF THE PROBABILITY OF MAGMATIC DISRUPTION OF THE POTENTIAL YUCCA MOUNTAIN SITE	08/01/93-09/15/93	RISK SIMULATION MODELING WAS COMPLETED FOR THE PROBABILITY OF MAGMATIC DISRUPTION OF A POTENTIAL REPOSITORY AT YUCCA MOUNTAIN.	RDYP
	ACQN/DEVL LOCATION : LANL, LAS VEGAS, NV			
LA00000000070.002	SIMULATION MODELING: COMPUTER CODE WAS USED TO RUN MULTIPLE SIMULATIONS OF RECURRENCE RATE AND DISRUPTION PROBABILITY FOR ALTERNATIVE MODELS. THE SIMULATION RESULTS WERE USED TO CALCULATE THE PROBABILITY OF MAGMA DISRUPTION OF THE REPOSITORY. ACQN/DEVL LOCATION : LANL, LAS VEGAS, NV	06/15/93-08/01/93	ALTERNATIVE MODELS ASSEMBLED IN EXCEL SPREADSHEETS. SIMULATIONS RUN FOR RECURRENCE RATE USED TRIGEN DISTRIBUTION MODEL; SIMULATIONS FOR DISRUPTION. DATA SETS WERE DEVELOPED FOR PRESENTATION AS CUMULATIVE PROBABILITY DISTRIBUTIONS.	АУР
((394	(
----------------------	---	---------------------	---	--------------------------------------
	SITE CHARACTERI	ZATION PLAN BASELIN	Έ	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.8.	1.2.1			
LA00000000048.001	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.	DNC
	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.	DNC

ACQN/DEVL LOCATION : USGS, DENVER, CO

SITE CHARACTERIZATION PLAN BASELINE				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
Activity - 8.3.1.8.	5.1.2			
GS930208318512.001	NEOTECTONICS AND VOLCANISM AT YUCCA MOUNTAIN AND VICINITY, NEVADA, BY K.F. FOX, JR., AND M.D. CARR.	06/28/87-06/28/88	INTERPRETATIONS OF VOLCANISM, FAULTS, AND SEISMICITY IN THE YUCCA MOUNTAIN AREA.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, MENLO PARK, CA			
GS930308318512.002	VOLCANO-TECTONIC HISTORY OF CRATER FLAT, SOUTHWESTERN NEVADA, AS SUGGESTED BY NEW EVIDENCE FROM DRILL HOLE USW-VH-1 (USW VH-1) AND VICINITY, BY W.J. CARR.	01/01/81-03/16/82	SUMMARIES AND INTERPRETATIONS OF THE DRILL-HOLE LOCATION, HISTORY, LITHOLOGIC LOG, AND STRATIGRAPHY; AND THE STRUCTURAL FRAMEWORK, AEROMAGNETIC ANOMALIES, AND VOLCANO-TECTONIC HISTORY OF CRATER FLAT.	DNT
	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 ALLUVIUN DATED BY URANIUM TREND METHOD (ROSHOLT, J.N., USGS OFR 78-701). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	В N С :
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

	396				
SITE CHARACTERIZATION PLAN BASELINE T Y P					
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	EDN	
GS930408318512.004	MAJOR-ELEMENT GEOCHEMISTRY OF THE SILENT CANYON - BLACK MOUNTAIN PERALKALINE VOLCANIC CENTERS, NORTHWESTERN NEVADA TEST SITE: APPLICATIONS TO AN ASSESSMENT OF RENEWED VOLCANISM, BY B.M. CROWE AND K.A. SARGENT.	01/01/78-01/01/79	SUMMARY OF GEOLOGIC SETTING, EVOLUTION, AND ROCK AGES. INTERPRETATION AND CHARACTERIZATION OF VOLCANIC ROCK TYPES.	DNC	
	ACQN/DEVL LOCATION : LANL USGS, DENVER, CO.				
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.	DNC	
	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.	DNC	
	ACON/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.	DNC	
	ACON/DEVL LOCATION : USGS, DENVER, CO				

396

(

	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.	DNC	
	ACQN/DEVL LOCATION : USGS, DENVER, CO.				
GS930708312291.003	MULTIDISCIPLINARY HYDROLOGIC INVESTIGATIONS AT YUCCA MOUNTAIN, NEVADA, BY WILLIAM W. DUDLEY, JR.	01/01/89-02/05/90	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED MATERIAL.	DNC	
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS931008318512.009	40AR/39AR AGE OF THE LATHROP WELLS VOLCANIC CENTER, YUCCA MOUNTAIN, NEVADA, BY BRENT D. TURRIN, DUANE CHAMPION, AND ROBERT J. FLECK	01/01/88-10/31/89	PALEOMAGNETIC AND 40AR/39AR ANALYSES WERE USED TO PRODUCE ISOCHRON AND INVERSE-ISOCHRON PLOTS AND IDEOGRAMS SHOWING INTEGRATED PROBABILITY DISTRIBUTION OF 40AR/39AR.	DNC	
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
LA00000000027.001	"THE LATHROP WELLS VOLCANIC CENTER: STATUS OF FIELD AND GEOCHRONOLOGY STUDIES"	01/30/88-12/30/91	CONVENTIONAL K-AR AGE DETERMINATIONS. 40AR/39AR FOR AGE DETERMINATIONS. U-TH DISEQUILIBRIUM AGE DETERMINATIONS USING SOLID SOURCE MASS SPECTROMETRY. COSMOGENIC HELLIUM AGE DETERMINATIONS AND THERMOLUMINESCENCE.	DNC	
	ACQN/DEVL LOCATION : LANL, LAS VEGAS, NV				

((200	(
				DQ AUL TAO ALC
SITE CHARACTERIZATION PLAN BASELINE T				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
LA00000000048.001	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.	DNC
	ACQN/DEVL LOCATION : LANL			
LA00000000049.001	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.	DNC
	ACON/DEVL LOCATION : LANL			
Activity - 8.3.1.8.	5.1.3			
LA00000000013.001	PRELIMINARY GEOLOGIC MAP OF THE SLEEPING BUTTE VOLCANIC CENTERS	01/30/80-08/30/90	STANDARD FIELD MAPPING WITH AIR PHOTOS	АҮР
	ACQN/DEVL LOCATION : LANL			
LA00000000013.002	PRELIMINARY GEOLOGIC MAP OF THE SLEEPING BUTTE VOLCANIC CENTERS	09/30/90-12/30/90	STANDARD FIELD MAPPING WITH AIR PHOTOS	DΥP
	ACQN/DEVL LOCATION : LANL			
LA00000000048.001	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.	DNC

ACQN/DEVL LOCATION : LANL

				DQ AUL TAO ALC
SITE CHARACTERIZATION PLAN BASELINE				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
LA00000000049.001	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.	DNC
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.8.	5.1.4			
LA00000000048.001	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.	DNC
	ACQN/DEVL LOCATION : LANL			
LA00000000049.001	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.	DNC
	ACQN/DEVL LOCATION : LANL			
Activity - 8.3.1.8.	5.1.5			
LA00000000048.001	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.	DNC

ACQN/DEVL LOCATION : LANL

-

((400	(
		100		DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	Æ	I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
Activity - 8.3.1.8.	5.2			
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	DNT
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
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.	DNC
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			

	SITE CHARACTERI	ZATION PLAN BASELIN	JF.	D A T A	Q U L A O L C
				T Y	FT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E	E O D N
Activity - 8.3.1.8.	.5.2.3				
GS930208318523.001	TEMPERATURE, THERMAL CONDUCTIVITY, AND HEAT FLOW NEAR YUCCA MOUNTAIN, NEVADA: SOME TECTONIC AND HYDROLOGIC IMPLICATIONS, BY J.H. SASS, A.H. LACHENBRUCH, W.W. DUDLEY, JR., S.S. PRIEST, AND R.J. MUNROE.	01/01/87-12/01/87	HEAT FLOW ESTIMATES BY 1) LEAST-SQS. GRADIENT X HARMONIC MEAN OF MEASURED CONDUCTIVITIES OVER SAME INTERVAL, 2) LEAST-SQS. GRADIENT X CONDUCTIVITY CALCULATED FROM FORMATION MEANS, AND 3) LEAST-SQS. GRADIENT X HARMONIC MEAN OF CONDUCTIVITIES INFERRED FROM K VS. VP RELATION. TEMP. MEASUREMENTS IN AIR BY 1) SASS,J.H.&OTHERS, 1971, HEAT FLOW IN THE WESTERN U.S.:JNL. OF GEOPHYSICAL RESEARCH, V.76,P.6376-6413, AND 2) TECH. PROCEDURE NWM USGS GPF-02,R0, HEAT-FLOW STUDIES RELATED TO NUCLEAR WASTE STORAGE INVESTIGATIONS. THERMAL CONDUCTIVITY BY 1) SASS,J.H.&OTHERS, 1984, LABORATORY LINE-SOURCE METHODS FOR THE MEASUREMENT OF TH. CONDUCT. OF ROCKS NEAR ROOM TEMP.:USGS OFR 84-91, AND 2) SASS &OTHERS, 1971, OP.CIT. 3) SASS,J.H.&OTHERS, 1980, ANALYSIS OF THERMAL DATA FROM DRILL HOLES UE25A-3 AND UE25A-1, CALICO HILLS & YM,NTS: USGS OFR 80-826 AND 4) NWM USGS GPP-05,R1 HEAT-FLOW STUDIES CALIBRATION PROCEDURES	ום	N T

ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, FLAGSTAFF, AZ USGS, MENLO PARK, CA

GS930708312291.003 MULTIDISCIPLINARY HYDROLOGIC INVESTIGATIONS AT YUCCA MOUNTAIN, NEVADA, BY WILLIAM W. DUDLEY, JR. 01/01/89-02/05/90 SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED MATERIAL. DNC

ACQN/DEVL LOCATION : USGS, DENVER, CO

402 DО AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE ΙA TFT YII PEO DATA TRACKING NO. TITLE/DESCRIPTION ACQN/DEVL PERIOD ACQN/DEVL METHOD EDN Activity - 8.3.1.9.2.1 **GS900908314211.007 A SUMMARY OF GEOLOGIC STUDIES THROUGH 01/01/83-11/06/84 USGS STANDARD METHODS. DNT JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY, GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING ACON/DEVL LOCATION : USGS, MENLO PARK, CA Activity - 8.3.1.9.2.1.1 01/01/86-12/31/90 AGE ANALYSIS OF K-AR AND 40AR/39AR DATA GS930908319211.001 NEW RADIOMETRIC AGES RELATED TO DNP ALTERATION AND MINERALIZATION IN THE AND DESCRIPTION OF THE GEOLOGIC SETTING. VICINITY OF YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY EDWIN H. MCKEE AND JOEL R. BERGOUIST. ACON/DEVL LOCATION : USGS, MENLO PARK, CA 09/01/93-01/27/94 PRESENTATION OF SR ISOTOPE DATA AND GS940108319211.001 ISOTOPIC TRACERS OF GOLD DEPOSITION IN DNP PALEOZOIC LIMESTONES OF SOUTHERN NEVADA. PRELIMINARY CONCLUSIONS REGARDING EFFECTS BY Z.E. PETERMAN, B.L. WIDMANN, B.D. OF HYDROTHERMAL ALTERATIONS ON SR ISOTOPE MARSHALL, J.D. ALEINKOFF, K. FUTA AND COMPOSITIONS. S.A. MAHAN

ACQN/DEVL LOCATION : USGS, DENVER, CO

SITE CHARACTERIZATION PLAN BASELINE				D Q A U T A A I T F Y I	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E E D	l O N
Activity - 8.3.1.9.	2.1.4				
GS931208319214.001	THERMAL AND PETROLEUM GENERATION HISTORY IN THE ELEANA FORMATION AND TERTIARY SOURCE ROCKS, YUCCA MOUNTAIN AREA, SOUTHERN NYE COUNTY, NEVADA, BY CHARLIE BARKER.	07/01/93-11/08/93	WELL SAMPLES COLLECTED FROM THE USGS CORE LIBRARY (NOT YMP) WERE ANALYZED FOR ORGANIC GEOCHEMICAL AND GEOLOGIC ASSESSMENT, THERMAL MATURATION MEASUREMENTS, AND THERMAL HISTORY RECONSTRUCTION TO EVALUATE PETROLEUM POTENTIAL.	DN	IP
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS931208319214.002	OIL AND GAS EXPLORATION NEAR YUCCA MOUNTAIN, SOUTHERN NEVADA, BY J. GROW, C. BARKER, AND A. HARRIS.	10/01/92-12/15/93	NON-YMP INFORMATION WAS REVIEWED INCLUDING INFORMATION OBTAINED FROM WILDCAT WELLS DRILLED IN 1991 IN THE AMARGOSA VALLEY, CONODONT ALTERATION INDICES, THERMAL MATURITY, AND ORGANIC GEOCHEMICAL ASSESSMENTS, TO COMPARE THE OIL AND GAS POTENTIAL OF YUCCA MOUNTAIN WITH THE PRODUCING AREA IN RAILROAD VALLEY.	DN	IP
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.14	.2.1.1				
GS930383114211.001	PRELIMINARY ENGINEERING GEOLOGY RECONNAISSANCE FOR SOUTH RAMP ALIGNMENT, EXPLORATORY STUDIES FACILITY, YUCCA MOUNTAIN PROJECT, BY M.H. MCKEOWN AND S.C. BEASON	01/01/90-07/31/91	GEOLOGIC LOGGING; CONTOUR PLOTTING; INFORMAL TESTING OF ROCK AND SOIL FOR PHYSICAL PROPERTIES, TRIAXIAL SHEAR, AND STATIC ELASTIC PROPERTIES; GRADATION ANALYSIS, PRELIMINARY DRAWING OF CROSS SECTION.	A N	P
	ACQN/DEVL LOCATION : USBR ROCK & SOILS LAB USBR, DENVER	, DENVER			

Χ.	Χ	404	× *	
	SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.14	.2.1.2			
GS930283114212.001	DYNAMIC MODULI FOR THE YMP NORTH PORTAL.	11/17/92-12/14/92	THESE DATA WERE COLLECTED PER SCIENTIFIC NOTEBOOK PLAN NWM-USGS GPP-28T,R0, GEOPHYSICAL BOREHOLE LOGGING AND CHECKSHOTS IN DRILL HOLES	АҮС
	ACQN/DEVL LOCATION : UE-25 NRG-1			
**GS930383114212.002	DRAFT LOGS PREPARED FROM ACCESS ROAD, GROUND SURFACE FACILITIES, GENERAL TEST PIT LOCATION YMP NORTH PORTAL	09/15/92-09/19/92	THESE DATA WERE COLLECTED PER TECHNICAL PROCEDURE EGP-5005-86,R2, DETERMINING UNIFIED SOIL CLASSIFIICATION (VISUAL METHOD)	АҮС
	ACQN/DEVL LOCATION : NRG-1			
Activity - 8.3.1.14	.2.1.3			
SNF29041993002.013	ESF NORTH RAMP YUCCA MOUNTAIN PROJECT SITE CHARACTERIZATION CROSS SECTION	05/01/93-12/10/93	GEOLOGIC LOGGING OF CORE FROM NORTH RAMP BOREHOLES.	DYC

SITE CHARACTERIZATION CROSS SECTION THROUGH EXILE HILL NORTH RAMP 0+00 TO 6+00M THIS DATA HAS BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN: SNF29041993002.021.

ACQN/DEVL LOCATION : J.F.T.AGAPITO

.

SITE CHARACTERIZATION PLAN BASELINE			DQ AUL TAO ALC IA	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
Activity - 8.3.1.14	.2.2			
SNL01B05059301.001	THERMAL EXPANSION DATA (MEAN COEFFICIENTS OF THERMAL EXPANSION (CTE'S)), (MINIMUM AND MAXIMUM INSTANTANEOUS CTE, SAMPLE DIMENSIONS, SAMPLE VOLUME, PRE-TEST AND POST-TEST SAMPLE MASSES) FOR DRILLHOLE NRG-6, SAMPLES FROM DEPTH 28.8 TO 416.0 FEET, AMBIENT TO 100 DEG. C.	05/04/93-07/21/93	SINGLE PUSH ROD DILATOMETER. SEE WORK AGREEMENT WA-0083 REV. 00.	АҮР
	ACON/DEVL LOCATION : HOLOMETRIX, INC., BED	FORD, MA		
Activity - 8.3.1.14	.2.2.1			
**GS900983114221.003	ROCK PROPERTY ANALYSIS OF CORE SAMPLES FROM THE CALICO HILLS UE25A-3 (UE-25A #3) BOREHOLE, NEVADA TEST SITE, BY L.A. ANDERSON	01/01/81-07/27/81	USGS STANDARD COLLECTION METHODS. CORE SAMPLES FROM THE CALICO HILLS UE-25A #3 BOREHOLE WERE MEASURED FOR DENSITY, POROSITY, RESISTIVITY, INDUCED POLARIZATION, COMPRESSIONAL SONIC VELOCITY, AND MAGNETIC PROPERTIES.	DNT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS920983114220.001	LOG OF TEST PIT OR AUGER HOLE, PHYSICAL PROPERTIES SUMMARY, GRADATION TEST, AND SUMMARY OF PHYSICAL PROPERTIES TEST RESULTS FOR HOLE NUMBERS NRSF-TP-11, TP-19, TP-21, TP-25, TP-28, TP-29, AND TP-30.	04/01/92-05/27/92	TECHNICAL PROCEDURES YMP USBR-7000-89, R0, PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS AND TUNNELS; USBR-7250-89, R0, DETERMINATION OF PERCENT RELATIVE DENSITY; USBR-7221-89, R0, DETERMINING UNIT WEIGHT OF SOILS IN-PLACE BY THE WATER REPLACEMENT METHOD IN A TEST PIT; AND USBR-5000-86, R0, DETERMINING UNIFIED SOIL CLASSIFICATION (LABORATORY METHOD).	АУС

ACQN/DEVL LOCATION : NORTH RAMP SURFACE FACILITY

-1

×	X X	406			
	SITE CHARACTERI	ZATION PLAN BASELIN	E	D (A (T) A] T]	2 JL AO LC IA FT
				Y	II
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		20 2N
GS920983114220.002	DRILL HOLE UE-25 NRG-1 ROCK CORE TESTS: SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS, DIRECT SHEAR TEST RESULTS - OPEN JOINT SLIDING FRICTION, PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS, UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS; IRSM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974; ASTM D 2845-90, STANDARD TEST METHOD FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK; ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	A	YС
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER			
GS921283114220.003	RELATIVE DENSITY DETERMINATION, LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	04/02/92-11/20/92	U.S.BUREAU OF RECLAMATION EARTH MANUAL PROCEDURE USBR 5205-89, APPENDIX X3[4], PREPARING SOIL SAMPLES BY SPLITTING OR QUARTERING, SYNTHETIC GRADATION ANALYSIS.	A	YС
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER			
GS921283114220.004	SUMMARY ACCESS ROAD TEST PIT DATA, LOGS OF VISUAL OBSERVATIONS OF SITE AND TEST PIT. FIELD TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	09/15/92-09/19/92	YMP-USGS TECHNICAL PROCEDURES EGP-7000-89, R1, PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS, AND TUNNELS; EGP-5005-86,R1, DETERMINING UNIFIED SOIL CLASSIFICATION (VISUAL METHOD).	A	ΥС

1

ACQN/DEVL LOCATION : UE-25 NRG-1

(

	STAR CHARACTER	ZAWION DI NU DACET IN		DQ AU TA AL	L O C
	T H				
				ΥI	I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	PE ED 	N -
GS921283114220.005	PHYSICAL PROPERTIES AND DIMENSIONAL TOLERANCE CONFORMANCE OF ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/15/92-11/30/92	ASTM C 97-83, ISRM PART 1: SUGGESTED METHODS FOR DETERMINING WATER CONTENT, POROSITY, DENSITY, AND RELATED PROPERTIES.	ΑY	с
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER			
GS921283114220.006	PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-11/19/92	ASTM D 2845-90 STANDARD TEST METHODS FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANCY OF ROCK.	ΑY	с
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER			
GS921283114220.007	DIRECT SHEAR TEST RESULTS - INTACT ROCK AND SLIDING FRICTION. LAB TESTS OF MECHANICAL PROPERTIES.	10/01/91-11/27/92	ISRM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974.	АУ	с
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER			
GS921283114220.008	UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	ΑY	с

ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER

(((
		408		DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	E	I A T F T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	YII PEO EDN
GS921283114220.009	TRIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/10/92-11/27/92	ASTM D 2664-86, TEST METHOD FOR TRIAXIAL COMPRESSION STRENGTH OF UNDRAINED ROCK CORE SPECIMANS WITHOUT PORE PRESSURE MEASUREMENTS.	АҮС
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
GS921283114220.010	SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENTS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.	AYC
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
GS921283114220.014	SOIL AND ROCK GEOTECHNICAL INVESTIGATIONS, FIELD AND LABORATORY STUDIES, NORTH RAMP SURFACE FACILITY, EXPLORATORY STUDIES FACILITY, YUCCA MOUNTAIN PROJECT, NEVADA, BY MARK H. MCKEOWN AND STEVE C. BEASON	04/01/92-11/30/92	THIS REPORT IS DERIVED FROM GEOLOGIC MAPPING, PAVEMENT MAPPING, TEST PITS, AND LABORATORY DATA FROM TEST PITS, AND DRILL HOLES.	DYC
	ACQN/DEVL LOCATION : USBR, DENVER, CO			
SNL02030193001.012	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, & UNCONFINED STRENGTH) FOR DRILLHOLE UE25 NRG-5 SAMPLES FROM DEPTH 847.2 FT. TO 896.5 FT.	08/13/93-11/30/93	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 D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC CONSTANTS OF ROCK."	АҮС

ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT

				D A	Q U	L
	SITE CHARACTERI	ZATION PLAN BASELIN	E	A T	A L I F	C A T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y P E -	I E D -	1 0 N
SNL02030193001.013	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TENSILE STRENGTH, & POROSITY) FOR DRILLHOLE UE25 NRG-2B SAMPLES FROM DEPTH 2.7 FT. TO 87.6 FT.	09/23/93-11/30/93	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.", & ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF	A	Y	С

SOILS."

METHOD).

PIT; AND USBR-5000-86,R0, DETERMINING UNIFIED SOIL CLASSIFICATION (LABORATORY

ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.

ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT

Activity - 8.3.1.14.2.2.2

GS920983114220.001LOG OF TEST PIT OR AUGER HOLE, PHYSICAL
PROPERTIES SUMMARY, GRADATION TEST, AND
SUMMARY OF PHYSICAL PROPERTIES TEST
RESULTS FOR HOLE NUMBERS NRSF-TP-11,
TP-19, TP-21, TP-25, TP-28, TP-29, AND
TP-30.04/01/92-05/27/92
TECHNICAL PROCEDURES YMP USBR-7000-89,R0, A Y C
PERFORMING DISTURBED SOIL SAMPLING IN TEST
PITS, TRENCHES, ACCESSIBLE BORINGS AND
TUNNELS; USBR-7250-89,R0, DETERMINATION OF
PERCENT RELATIVE DENSITY; USBR-7221-89,R0,
DETERMINING UNIT WEIGHT OF SOILS IN-PLACE
BY THE WATER REPLACEMENT METHOD IN A TEST

ACQN/DEVL LOCATION : NORTH RAMP SURFACE FACILITY

GS920983114220.002 DRILL HOLE UE-25 NRG-1 ROCK CORE TESTS: 10/01/92-10/13/92 ASTM D 3967-86, STANDARD TEST METHOD FOR AYC SPLITTING TENSILE STRENGTH OF INTACT SPLITTING TENSILE STRENGTH OF INTACT ROCK ROCK CORE SPECIMENS, DIRECT SHEAR TEST CORE SPECIMENS; IRSM SUGGESTED METHODS FOR RESULTS - OPEN JOINT SLIDING FRICTION, DETERMINING SHEAR STRENGTH, PART 2, PULSE VELOCITIES AND ULTRASONIC ELASTIC LABORATORY DETERMINATION OF DIRECT SHEAR CONSTANTS OF INTACT ROCK CORE TEST STRENGTH, FEBRUARY 1974; ASTM D 2845-90, SPECIMENS, UNIAXIAL COMPRESSION AND STANDARD TEST METHOD FOR LABORATORY ELASTIC PROPERTIES OF INTACT ROCK CORE DETERMINATION OF PULSE VELOCITIES AND TEST SPECIMENS ULTRASONIC ELASTIC CONSTANTS OF ROCK; ASTM D 3148-86, STANDARD TEST METHOD FOR

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

	SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AUL TAO ALC
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T F T Y I I P E O E D N
GS921283114220.007	DIRECT SHEAR TEST RESULTS - INTACT ROCK AND SLIDING FRICTION. LAB TESTS OF MECHANICAL PROPERTIES.	10/01/91-11/27/92	ISRM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974.	AYC
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
GS921283114220.008	UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	АУС
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
G5921283114220.009	TRIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/10/92-11/27/92	ASTM D 2664-86, TEST METHOD FOR TRIAXIAL COMPRESSION STRENGTH OF UNDRAINED ROCK CORE SPECIMANS WITHOUT PORE PRESSURE MEASUREMENTS.	AYC
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
GS921283114220.010	SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENTS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.	AYC
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
GS921283114220.014	SOIL AND ROCK GEOTECHNICAL INVESTIGATIONS, FIELD AND LABORATORY STUDIES, NORTH RAMP SURFACE FACILITY, EXPLORATORY STUDIES FACILITY, YUCCA MOUNTAIN PROJECT, NEVADA, BY MARK H. MCKEOWN AND STEVE C. BEASON	04/01/92-11/30/92	THIS REPORT IS DERIVED FROM GEOLOGIC MAPPING, PAVEMENT MAPPING, TEST PITS, AND LABORATORY DATA FROM TEST PITS, AND DRILL HOLES.	DYC
	ACQN/DEVL LOCATION : USBR, DENVER, CO			

411

(-

		412				
				D Q A U T A A I		;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
	SITE CHARACTER	IZATION PLAN BASELIN	NE			· ! : : :
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Ē [1 -
SNF29041993002.010	SCHMIDT HAMMER TEST DATA FROM NRG DRILLHOLES CORE.	10/01/93-12/01/93	SCIENTIFIC NOTEBOOK IN ACCORDANCE WITH: 1. ISRM (1978), SUGGESTED METHODS FOR DETERMINING HARDNESS AND ABRASIVENESS OF ROCKS, "INTERNATIONAL JOURNAL OF ROCK MECHANICS. MINING SCIENCES & GEOMECHANICS ABSTRACTS", 15:89-98, PERGAMON PRESS LTD., GREAT BRITIAN. 2. GOKTAN, R. M. AND C. AYDAY (1993), A SUGGESTED IMPROVEMENT TO THE SCHMIDT REBOUND HARDNESS ISRM SUGGESTED METHOD WITH PARTICULAR REFERENCE TO ROCK MACHINEABILITY, "INTERNATIONAL JOURNAL OF ROCK MECHANICS, MINING SCIENCES & GEOMECHANICS ABSTRACTS", 39(3):321-322, PERGAMON PRESS LTD., GREAT BRITIAN.	ΑX	rc	:
	ACQN/DEVL LOCATION : SAIC & JFT AGAPITO					
**SNF29041993002.024	SCHMIDT HAMMER TEST DATA FROM USW NRG-7/7A DRILLHOLE.	03/01/94-04/18/94	SCIENTIFIC NOTEBOOK IN ACCORDANCE WITH: 1. ISRM (1978), SUGGESTED METHODS FOR DETERMINING HARDNESS AND ABRASIVENESS OF ROCKS, INTERNATIONAL JOURNAL OF ROCK MECHANICS. MINING SCIENCES & GEOMECHANICS ABSTRACTS, 15:89-98, PERGAMON PRESS LTD., GREAT BRITIAN. 2. GOKTAN, R. M. AND C. AYDAY (1993), A SUGGESTED IMPROVEMENT TO THE SCHMIDT REBOUND HARDNESS ISRM SUGGESTED METHOD WITH PARTICULAR REFERENCE TO ROCK MACHINEABILITY, INTERNATIONAL JOURNAL OF ROCK MECHANICS. MINING SCIENCES & GEOMECHANICS ABSTRACTS, 39(3) :321-322, PERGAMON PRESS LTD., GREAT BRITIAN.	ΑY	r c	:
	ACQN/DEVL LOCATION : J. F. T. AGAPITO					

	SITE CHARACTERI	ZATION PLAN BASELIN	Е	D Q A U T A A U T A I T E		
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I P E E I		
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."	AY	ťC	
	ACQN/DEVL LOCATION : NER INC., WHITE RIVER	JUNCTION, VERMONT				
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".	ΑY	εc	
	ACON/DEVL LOCATION : NER INC., WHITE RIVER	JUNCTION, VERMONT				
SNL02030193001.003	MECHANICAL PROPERTIES DATA (ULTRASONIC	04/01/93-07/07/93	STANDARD LABORATORY ROCK MECHANICS	ΑJ	čС	

VELOCITIES, STATIC ELASTIC PROPERTIES,PROCEDURES AS PER TP-219: "UNCONFINEDUNCONFINED STRENGTH, TENSILE STRENGTH, &COMPRESSION EXPERIMENTS AT 22 DEGREES CAVERAGE GRAIN DENSITY) FOR DRILLHOLEAND A STRAIN RATE OF 10E-5 S-1.", ASTM STMUE-25NRG#2 SAMPLES FROM DEPTH 170.4 FT.D3967-92: "SPLITTING TENSILE STRENGTH OFTO 200.0 FT.INTACT ROCK CORE SPECIMENS", ASTM STMD2845-90: "LABORATORY DETERMINATION OFPULSE VELOCITIES AND ULTRASONIC ELASTIC

CONSTANTS OF ROCK".

ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT

414 DQ AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE ΙΑ ጥፑጥ YII PEO DATA TRACKING NO. TITLE/DESCRIPTION ACON/DEVL PERIOD ACON/DEVL METHOD EDN SNL02030193001.004 MECHANICAL PROPERTIES DATA (ULTRASONIC 04/27/93-08/04/93 STANDARD LABORATORY ROCK MECHANICS AYP VELOCITIES, STATIC ELASTIC PROPERTIES, PROCEDURES AS PER TP-219: "UNCONFINED UNCONFINED STRENGTH, & AVERAGE GRAIN COMPRESSION EXPERIMENTS AT 22 DEGREES C DENSITY) FOR DRILLHOLE USW NRG-6 SAMPLES AND A STRAIN RATE OF 10E-5 S-1.", ASTM STM FROM DEPTH 462.3 FT. TO 1085.0 FT. 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. " ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT SNL02030193001.005 MECHANICAL PROPERTIES DATA (ULTRASONIC 06/18/93-09/13/93 STANDARD LABORATORY ROCK MECHANICS AYC VELOCITIES, STATIC ELASTIC PROPERTIES, PROCEDURES AS PER TP-219: "UNCONFINED UNCONFINED STRENGTH, TENSILE STRENGTH, & COMPRESSION EXPERIMENTS AT 22 DEGREES C AVERAGE GRAIN DENSITY) FOR DRILLHOLE AND A STRAIN RATE OF 10E-5 S-1.", ASTM UE-25NRG#3 SAMPLES FROM DEPTH 15.4 FT. STM D3967-92: "SPLITTING TENSILE STRENGTH TO 297.1 FT. OF INTACT ROCK CORE SPECIMENS", ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK." ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT SNL02030193001.006 MECHANICAL PROPERTIES DATA (ULTRASONIC 08/13/93-10/08/93 STANDARD LABORATORY ROCK MECHANICS AYC VELOCITIES, STATIC ELASTIC PROPERTIES, PROCEDURES AS PER TP-219: "UNCONFINED UNCONFINED STRENGTH, TENSILE STRENGTH, & EXPERIMENTS AT 22 DEGREES C AND A STRAIN AVERAGE GRAIN DENSITY) FOR DRILL HOLE RATE OF 10E-5 S-1.", ASTM STM D3967-92: UE-25NRG#2A SAMPLES FROM DEPTH 90.0 FT.

"SPLITTING TENSILE STRENGTH OF INTACT ROCK

CORE SPECIMENS.", ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC

CONSTANTS OF ROCK."

ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT

TO 254.5 FT.

				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	3	IA TFT YII PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	E D N
SNL02030193001.007	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, & AVERAGE GRAIN DENSITY) FOR DRILL HOLE UE-25NRG#3 SAMPLES FROM DEPTH 263.3 FT. TO 265.7 FT.	06/18/93-09/20/93	ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK.", ISRM "SUGGESTED METHODS FOR DETERMINING THE STRENGTH OF ROCK MATERIALS IN TRIAXIAL COMPRESSION: REVISED VERSION", 1983	АҮС
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVE	R JUNCTION, VERMONT		
SNL02030193001.008	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, & AVERAGE GRAIN DENSITY) FOR DRILL HOLE USW NRG-6 SAMPLE 416.0 FT.	04/01/93-06/18/93	ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK.", ISRM "SUGGESTED METHODS FOR DETERMINING THE STRENGTH OF ROCK MATERIALS IN TRIAXIAL COMPRESSION: REVISED VERSION", 1983	AYC
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVE	R JUNCTION, VERMONT		
SNL02030193001.009	MECHANICAL PROPERTIES DATA (TENSILE STRENGTH, AVERAGE GRAIN DENSITY, & POROSITY) FOR DRILLHOLE UE25 NRG-5 SAMPLES FROM DEPTH 781.0 FT. TO 991.9 FT.	08/13/93-11/04/93	ASTM STM D3967-92: "SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.", AND ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	AYC
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVE	R JUNCTION, VERMONT		
SNL02030193001.010	MECHANICAL PROPERTIES DATA (AVERAGE GRAIN DENSITY) FOR DRILLHOLE UE25 NRG-2B SAMPLES FROM DEPTH 2.7 FT. TO 87.6 FT.	09/23/93-11/02/93	ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	AYC
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVE	ER JUNCTION, VERMONT	2	

. .

(((
		416		DQ
	SITE CHARACTERI	ZATION PLAN BASELIN	Е	AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	YII PEO EDN
SNL02030193001.011	MECHANICAL PROPERTIES DATA (POROSITY) FOR DRILLHOLE UE25 NRG-2A SAMPLES FROM DEPTH 135.3 FT. TO 166.5 FT.	08/13/93-11/02/93	ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	AYC
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVE	R JUNCTION, VERMONT		
SNL02030193001.012	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, & UNCONFINED STRENGTH) FOR DRILLHOLE UE25 NRG-5 SAMPLES FROM DEPTH 847.2 FT. TO 896.5 FT.	08/13/93-11/30/93	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 D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC CONSTANTS OF ROCK."	АҮС
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVE	R JUNCTION, VERMONT		
SNL02030193001.013	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TENSILE STRENGTH, & POROSITY) FOR DRILLHOLE UE25 NRG-2B SAMPLES FROM DEPTH 2.7 FT. TO 87.6 FT.	09/23/93-11/30/93	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	А УС

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.", & ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."

ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT

	SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AU TA AL	
				ΤF	Т ст
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		
Activity - 8.3.1.14	.2.3				
SNF29041993001.001	PERCOLATION TEST DATA, NORTH PORTAL.	04/07/93-04/19/93	STANDARD PERCOLATION TEST PROCEDURES IN ACCORDANCE WITH STATE OF NEVADA ADMINISTRATIVE CODE CHAPTER 444, SECTION 444.796.	АУ	c :
	ACQN/DEVL LOCATION : NEVADA TEST SITE, ARE	A 25			
SNF29041993002.001	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-2.	04/01/93-05/06/93	GEOTECHNICAL CORE LOGGING OF UE25 NRG-2. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	АУ	c
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT	FACILITY AND JFT A	GAPITO.		
SNF29041993002.002	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE RF #8.	06/01/93-06/30/93	SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	A N	C
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT	FACILITY			
SNF29041993002.003	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-1.	05/01/93-05/30/93	GEOTECHNICAL CORE LOGGING OF UE25 NRG-1. SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURAL LOGS.	АY	C
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT	FACILITY			

.

		418		
	SITE CHARACTERI	ZATION PLAN BASELIN	E	D Q A U L T A O A L C I A T F T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
SNF29041993002.004	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-2A.	08/01/93-08/31/93	GEOTECHNICAL CORE LOGGING OF UE25 NRG-2A. SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL CORE LOGGING BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURAL LOGS.	А Y C
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT	FACILITY		
SNF29041993002.005	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-3.	06/01/93-06/30/93	GEOTECHNICAL CORE LOGGING OF UE25 NRG-3. SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURAL LOGS.	АУС
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT	FACILITY		
SNF29041993002.006	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE USW NRG-6.	05/01/93-05/30/93	GEOTECHNICAL CORE LOGGING OF USW NRG-6. SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURAL LOGS.	АҮС
	ACQN/DEVL LOCATION : YMP SAMPLE MANAGEMENT	FACILITY		
SNF29041993002.007	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-5.	08/01/93-08/30/93	GEOTECHNICAL CORE LOGGING OF UE25 NRG-5. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	АҮС

[

ACON/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY AND JFT AGAPITO

				υQ
				AUL
				TAO
				ALC
	SIT	E CHARACTERIZATION PLAN BASELIN	IE	IA
				TFT
				YII
				PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACON/DEVL METHOD	EDN

SNF29041993002.008 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-4.

10/01/93-10/29/93 GEOTECHNICAL CORE LOGGING OF UE25 NRG-4. AYC PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON TEMSS ROCK STRUCTURE LOGS.

ROCK STRUCTURE LOGS.

ACON/DEVL LOCATION : YMP SAMPLE MANAGEMENT FACILITY AND JFT AGAPITO

11/01/93-11/30/93 GEOTECHNICAL CORE LOGGING OF NRG-1, NRG-2, D Y T YUCCA MOUNTAIN SITE CHARACTERIZATION **SNF29041993002.009 NRG-2A, NRG-3, NRG-4, NRG-5 & NRG-6. PROJECT CORE HOLE ROCK STRUCTURAL DATA PREPARED IN ACCORDANCE WITH SCIENTIFIC SUMMARY FOR HOLE UE25 NRG-1, UE25 NRG-2, UE25 NRG-2A, UE25 NRG-3, UE25 NRG-4, NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE UE25 NRG-5, USW NRG-6, & RF #8. BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG HOLES AND INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS

ACON/DEVL LOCATION : J. F. T. AGAPITO

11/01/93-12/16/93 Q AND RMR ESTIMATED USING ROCK STRUCTURAL D Y C SNF29041993002.011 YUCCA MOUNTAIN SITE CHARACTERIZATION DATA SUMMARIES DEVELOPED FROM STRUCTURAL PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA HOLES LOGGING OF CORE (TDIF NO. 302241), OBSERVATIONS OF ROCK CONDITIONS IN THE UE25 NRG-1, -2, -2A, -3, -4, -5, AND USW NORTH RAMP STARTER TUNNEL AND LABORATORY NRG-6. TEST DATA ON CORE.

ACON/DEVL LOCATION : J. F. T. AGAPITO

		420		
				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	E	IA
				TFT
				PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
•••••••••				
SNF29041993002.012	YUCCA MOUNTAIN SITE CHARACTERIZATION ROCK MASS MECHANICAL PROPERTIES ESTIMATES BOREHOLES NRG-1, -2, -2A, -3, -4, -5, AND USW NRG-6.	11/01/93-12/16/93	BASED ON STRUCTURAL CORE LOGS FOR NRG HOLES AND MECHANICAL LABORATORY TEST RESULTS.	DYC
	ACQN/DEVL LOCATION : J. F. T. AGAPITO			
SNF29041993002.014	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-2B.	01/15/94-02/15/94	GEOLOGIC LOG BY U.S.G.S REFERENCE GS931108314211.041. STRUCTURAL LOG PER SNL SCIENTIFIC NOTEBOOK PROCEDURE.	DYC
	ACQN/DEVL LOCATION : MATERIAL TEST LAB, ME	RCURY, NV		
SNF29041993002.015	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE USW NRG-7/7A.	01/03/94-03/25/94	GEOTECHNICAL CORE LOGGING OF USW NRG-7/7A. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG-7/7A HOLE. INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	АҮС
	ACQN/DEVL LOCATION : J. F. T. AGAPITO AND FACILITY	YMP SAMPLE MANAGEME	NT	

SNF29041993002.016 YUCCA MOUNTAIN SITE CHARACTERIZATION 03/15/94-03/25/94 GEOTECHNICAL CORE LOGGING OF USW NRG-7/7A. D Y C PROJECT CORE HOLE ROCK STRUCTURAL DATA PREPARED IN ACCORDANCE WITH SCIENTIFIC SUMMARY FOR HOLE USW NRG-7/7A. NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG-7/7A HOLE. INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON TEMSS ROCK STRUCTURE LOGS.

ACQN/DEVL LOCATION : J.F.T. AGAPITO

7

•

SITE CHARACTERIZATION PLAN BASELINE				DQ AUL TAO ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
SNF29041993002.017	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA FOR HOLE USW NRG-7/7A.	03/15/94-03/26/94	Q AND RMR ESTIMATED USING ROCK STRUCTURAL DATA SUMMARY DEVELOPED FROM STRUCTURAL LOGGING OF CORE USW NRG-7/7A DRILLHOLE. OBSERVATIONS OF ROCK CONDITIONS IN THE NORTH RAMP STARTER TUNNEL AND LABORATORY TEST DATA ON CORE.	DYC
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			
SNF29041993002.018	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CORE HOLE ROCK STRUCTURAL DATA SUMMARY FOR HOLE UE25 NRG-2B.	03/10/94-03/18/94	GEOTECHNICAL CORE LOGGING OF UE25 NRG-2B. PREPARED IN ACCORDANCE WITH SCIENTIFIC NOTEBOOK FOR GEOTECHNICAL LOGGING OF CORE BY EXAMINATION OF CORE AND VIDEO RECORDS FROM NRG-2B HOLE. INSTRUCTIONS FOR ESTABLISHING QA RECORDS BASED UPON T&MSS ROCK STRUCTURE LOGS.	DYC
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			
SNF29041993002.019	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA FOR HOLE UE25 NRG-2B.	03/10/94-03/18/94	Q AND RMR ESTIMATED USING ROCK STRUCTURAL DATA SUMMARY DEVELOPED FROM STRUCTURAL LOGGING OF CORE UE25 NRG-2B DRILLHOLE. OBSERVATIONS OF ROCK CONDITIONS IN THE NORTH RAMP STARTER TUNNEL AND LABORATORY TEST DATA ON CORE.	DҮС
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			
SNF29041993002.020	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ROCK MASS QUALITY ESTIMATES FOR TCW, PTN, TSW1, & TSW2 UNITS.	03/15/94-03/26/94	Q AND RMR ESTIMATED USING ROCK STRUCTURAL DATA SUMMARY DEVELOPED FROM STRUCTURAL LOGGING OF CORE NRG-1, -2, -2A, -3, -4, -5, AND -6 DRILLHOLES. OBSERVATION OF ROCK CONDITIONS IN THE NORTH RAMP STARTER TUNNEL AND LABORATORY TEST DATA ON CORE.	DYC
	ACQN/DEVL LOCATION : J.F.T. AGAPITO			

(--)

(--

(-)

422 DΟ AUL TAO SITE CHARACTERIZATION PLAN BASELINE ALC ΙΑ TFT DATA TRACKING NO. TITLE/DESCRIPTION ΥĪΤ ACQN/DEVL PERIOD ACQN/DEVL METHOD PEO ------------EDN **SNF29041993002.021 ESF NORTH RAMP YUCCA MOUNTAIN SITE 02/01/94-04/06/94 GEOLOGIC INTERPRETATION FROM LITHOLOGIC CHARACTERIZATION PROJECT CROSS SECTION DYC THROUGH EXILE HILL NORTH RAMP 0+00 TO LOGS, GEOPHYSICAL LOGS, & SURFACE MAPPING. 6+00M. DRAWING NO: 88-60-08, VERSION: QA1.2. THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.013. ACQN/DEVL LOCATION : J. F. T. AGAPITO **SNF29041993002.022 BEDROCK GEOLOGY OF EXILE HILL. 01/05/94-03/31/94 GEOLOGIC MAPPING PER SCIENTIFIC NOTEBOOK A Y C PROCEDURE ACQN/DEVL LOCATION : J. F. T. AGAPITO / GEOMATRIX CONSULTANTS, INC. **SNF29041993002.023 ESF NORTH RAMP YUCCA MOUNTAIN SITE 01/05/94-04/12/94 GEOLOGIC INTERPRETATION FROM LITHOLOGIC CHARACTERIZATION PROJECT CROSS SECTION DYC LOGS, GEOPHYSICAL LOGS, & SURFACE MAPPING. THROUGH BOW RIDGE FAULT NORTH RAMP 1+75 TO 3+25M. DRAWING NO: EX-DTAIL, VERSION: QA1 ACQN/DEVL LOCATION : J. F. T. AGAPITO **SNF29041993002.025 ESF NORTH RAMP YUCCA MOUNTAIN SITE 04/01/93-04/19/94 GEOLOGIC INTERPRETATION FROM LITHOLOGIC CHARACTERIZATION PROJECT CROSS SECTION DYC ALONG RAMP FROM 0+00 TO 28+00.38M (PT). LOGS, GEOPHYSICAL LOGS & SURFACE MAPPING.

DRAWING NO: 88-60-09, VERSION: QA1.5 ACQN/DEVL LOCATION : J. F. T. AGAPITO

				DQ
				ТАОЦ
				ALC
			_	IA
	SITE CHARACTERI	ZATION PLAN BASELIN	E .	TFT
				YII
				PEO
		ACON/DEVL PERIOD	ACQN/DEVL METHOD	EDN
DATA TRACKING NO.	TITLE/DESCRIPTION			
		12/15/93-06/15/94	THIS REPORT PRESENTS THE RESULTS OF	DYP
*SNF29041993002.026	SLTR94-0001: "YUCCA MOUNTAIN SITE	12/15/95/00/20/01	GEOLOGICAL AND GEOTECHNICAL	
	CHARACTERIZATION OF NONLITHIFIED TUFFS		CHARACTERIZATION OF NONLITHIFIED TOFF	
	CHARACTERIZATION OF NONBITURE AND WEST		MATERIALS THAT WILL BE ENCOUNTHIND DI THE	
	OF THE BOW RIDGE FAULT" REV. 7		TONNEL BORING INCOLLED	
	THE THE CEOM	TRIX. & RSN MTL		
	ACQN/DEVL LOCATION : SNL, JFTA, ONR, GEOM			
			DATE D 1106-03. "STANDARD TEST METHOD FOL	RAYP
	GEOTECHNICAL ENGINEERING INVESTIGATION	08/23/94-09/01/94	NONREPETITIVE STATIC PLATE LOAD TESTS OF	
*SNF29041993002.027	FOR THE PROPOSED BOOSTER PUMP STATION		SOILS AND FLEXIBLE PAVEMENT COMPONENTS,	
			FOR USE IN EVALUATION AND DESIGN OF	
			AIRPORT & HIGHWAY PAVEMENT"	
	ACON/DEVL LOCATION : RAYTHEON SERVICES NET	VADA & SNL		

Activity - 8.3.1.14.2.3.1

04/01/92-05/27/92 TECHNICAL PROCEDURES YMP USBR-7000-89,R0, A Y C GS920983114220.001 LOG OF TEST PIT OR AUGER HOLE, PHYSICAL PERFORMING DISTURBED SOIL SAMPLING IN TEST PROPERTIES SUMMARY, GRADATION TEST, AND PITS, TRENCHES, ACCESSIBLE BORINGS AND SUMMARY OF PHYSICAL PROPERTIES TEST TUNNELS; USBR-7250-89, RO, DETERMINATION OF PERCENT RELATIVE DENSITY; USBR-7221-89, RO, RESULTS FOR HOLE NUMBERS NRSF-TP-11, TP-19, TP-21, TP-25, TP-28, TP-29, AND DETERMINING UNIT WEIGHT OF SOILS IN-PLACE BY THE WATER REPLACEMENT METHOD IN A TEST TP-30. PIT; AND USBR-5000-86, R0, DETERMINING UNIFIED SOIL CLASSIFICATION (LABORATORY

METHOD).

ACQN/DEVL LOCATION : NORTH RAMP SURFACE FACILITY

N .		40.4	(
	SITE CHARACTERT	424 ZATION PLAN BASELIN	E	D Q A U T 2 A J	2 JL AO LC
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T H Y J P H E I	T I I D N
GS920983114220.002	DRILL HOLE UE-25 NRG-1 ROCK CORE TESTS: SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS, DIRECT SHEAR TEST RESULTS - OPEN JOINT SLIDING FRICTION, PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS, UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS; IRSM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974; ASTM D 2845-90, STANDARD TEST METHOD FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK; ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	A	Ϋ́C
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER			
GS921283114220.003	RELATIVE DENSITY DETERMINATION, LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	04/02/92-11/20/92	U.S.BUREAU OF RECLAMATION EARTH MANUAL PROCEDURE USBR 5205-89, APPENDIX X3[4], PREPARING SOIL SAMPLES BY SPLITTING OR QUARTERING, SYNTHETIC GRADATION ANALYSIS.	A	ΥC
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER			
GS921283114220.004	SUMMARY ACCESS ROAD TEST PIT DATA, LOGS OF VISUAL OBSERVATIONS OF SITE AND TEST PIT. FIELD TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	09/15/92-09/19/92	YMP-USGS TECHNICAL PROCEDURES EGP-7000-89, R1, PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS, AND TUNNELS; EGP-5005-86,R1, DETERMINING UNIFIED SOIL CLASSIFICATION (VISUAL METHOD).	A	YС

(

ł

ACQN/DEVL LOCATION : UE-25 NRG-1

(

				D Q A U L T A O A L C	
	SITE CHARACTERIZATION PLAN BASELINE				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN	
GS921283114220.005	PHYSICAL PROPERTIES AND DIMENSIONAL TOLERANCE CONFORMANCE OF ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/15/92-11/30/92	ASTM C 97-83, ISRM PART 1: SUGGESTED METHODS FOR DETERMINING WATER CONTENT, POROSITY, DENSITY, AND RELATED PROPERTIES.	AYC	
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER			
GS921283114220.006	PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-11/19/92	ASTM D 2845-90 STANDARD TEST METHODS FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANCY OF ROCK.	АҮС	
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER			
GS921283114220.007	DIRECT SHEAR TEST RESULTS - INTACT ROCK AND SLIDING FRICTION. LAB TESTS OF MECHANICAL PROPERTIES.	10/01/91-11/27/92	ISRM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974.	АҮС	
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER			
GS921283114220.008	UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	АУС	

ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER

(-

		426		
SITE CHARACTERIZATION PLAN BASELINE			DQ AUL TAO ALC IA TFT	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
GS921283114220.009	TRIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/10/92-11/27/92	ASTM D 2664-86, TEST METHOD FOR TRIAXIAL COMPRESSION STRENGTH OF UNDRAINED ROCK CORE SPECIMANS WITHOUT PORE PRESSURE MEASUREMENTS.	АУС
	ACON/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
GS921283114220.010	SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENTS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.	АҮС
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
GS921283114220.014	SOIL AND ROCK GEOTECHNICAL INVESTIGATIONS, FIELD AND LABORATORY STUDIES, NORTH RAMP SURFACE FACILITY, EXPLORATORY STUDIES FACILITY, YUCCA MOUNTAIN PROJECT, NEVADA, BY MARK H. MCKEOWN AND STEVE C. BEASON	04/01/92-11/30/92	THIS REPORT IS DERIVED FROM GEOLOGIC MAPPING, PAVEMENT MAPPING, TEST PITS, AND LABORATORY DATA FROM TEST PITS, AND DRILL HOLES.	D Y C

ACQN/DEVL LOCATION : USBR, DENVER, CO

(

1

Ŋ

	SITE CHARACTER	IZATION PLAN BASELIN	IE	AUL TAO ALC IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
Activity - 8.3.1.14	.2.3.2			
GS920983114220.001	LOG OF TEST PIT OR AUGER HOLE, PHYSICAL PROPERTIES SUMMARY, GRADATION TEST, AND SUMMARY OF PHYSICAL PROPERTIES TEST RESULTS FOR HOLE NUMBERS NRSF-TP-11, TP-19, TP-21, TP-25, TP-28, TP-29, AND TP-30.	04/01/92-05/27/92	TECHNICAL PROCEDURES YMP USBR-7000-89, R0, PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS AND TUNNELS; USBR-7250-89, R0, DETERMINATION OF PERCENT RELATIVE DENSITY; USBR-7221-89, R0, DETERMINING UNIT WEIGHT OF SOILS IN-PLACE BY THE WATER REPLACEMENT METHOD IN A TEST PIT; AND USBR-5000-86, R0, DETERMINING UNIFIED SOIL CLASSIFICATION (LABORATORY METHOD).	АУС
	ACQN/DEVL LOCATION : NORTH RAMP SURFACE F	ACILITY		
GS920983114220.002	DRILL HOLE UE-25 NRG-1 ROCK CORE TESTS:	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR	AYC

GS9 SPLITTING TENSILE STRENGTH OF INTACT SPLITTING TENSILE STRENGTH OF INTACT ROCK ROCK CORE SPECIMENS, DIRECT SHEAR TEST CORE SPECIMENS; IRSM SUGGESTED METHODS FOR RESULTS - OPEN JOINT SLIDING FRICTION, DETERMINING SHEAR STRENGTH, PART 2, PULSE VELOCITIES AND ULTRASONIC ELASTIC LABORATORY DETERMINATION OF DIRECT SHEAR CONSTANTS OF INTACT ROCK CORE TEST STRENGTH, FEBRUARY 1974; ASTM D 2845-90, SPECIMENS, UNIAXIAL COMPRESSION AND STANDARD TEST METHOD FOR LABORATORY ELASTIC PROPERTIES OF INTACT ROCK CORE DETERMINATION OF PULSE VELOCITIES AND TEST SPECIMENS ULTRASONIC ELASTIC CONSTANTS OF ROCK; ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE

ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER

GS921283114220.003 RELATIVE DENSITY DETERMINATION, LAB 04/02/92-11/20/92 U.S.BUREAU OF RECLAMATION EARTH MANUAL A Y C TESTS OF PHYSICAL PROPERTIES, NORTH RAMP. PREPARING SOIL SAMPLES BY SPLITTING OR QUARTERING, SYNTHETIC GRADATION ANALYSIS.

SPECIMENS IN UNIAXIAL COMPRESSION.

ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER

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

ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER

f

Ļ

{

	SITE CHARACTERI	ZATION PLAN BASELINI	E	DQ AUL TAO ALC IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
GS921283114220.008	UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	АУС
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
GS921283114220.009	TRIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/10/92-11/27/92	ASTM D 2664-86, TEST METHOD FOR TRIAXIAL COMPRESSION STRENGTH OF UNDRAINED ROCK CORE SPECIMANS WITHOUT PORE PRESSURE MEASUREMENTS.	АУС
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
GS921283114220.010	SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENTS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.	АҮС
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
GS921283114220.014	SOIL AND ROCK GEOTECHNICAL INVESTIGATIONS, FIELD AND LABORATORY STUDIES, NORTH RAMP SURFACE FACILITY, EXPLORATORY STUDIES FACILITY, YUCCA MOUNTAIN PROJECT, NEVADA, BY MARK H. MCKEOWN AND STEVE C. BEASON	04/01/92-11/30/92	THIS REPORT IS DERIVED FROM GEOLOGIC MAPPING, PAVEMENT MAPPING, TEST PITS, AND LABORATORY DATA FROM TEST PITS, AND DRILL HOLES.	DΥC

ACQN/DEVL LOCATION : USBR, DENVER, CO
X.		430	,		
	SITE CHARACTER	RIZATION PLAN BASELIN	IE	DQ AU TA AL I TF	L O C A T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I P E E D	I O N -
Activity - 8.3.1.14	4.2.3.3				
GS920983114220.001	LOG OF TEST PIT OR AUGER HOLE, PHYSICAL PROPERTIES SUMMARY, GRADATION TEST, AND SUMMARY OF PHYSICAL PROPERTIES TEST RESULTS FOR HOLE NUMBERS NRSF-TP-11, TP-19, TP-21, TP-25, TP-28, TP-29, AND TP-30.	04/01/92-05/27/92	TECHNICAL PROCEDURES YMP USBR-7000-89,R0, PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS AND TUNNELS; USBR-7250-89,R0, DETERMINATION OF PERCENT RELATIVE DENSITY; USBR-7221-89,R0, DETERMINING UNIT WEIGHT OF SOILS IN-PLACE BY THE WATER REPLACEMENT METHOD IN A TEST PIT; AND USBR-5000-86,R0, DETERMINING UNIFIED SOIL CLASSIFICATION (LABORATORY METHOD).	АУ	с
	ACQN/DEVL LOCATION : NORTH RAMP SURFACE F	ACILITY			

1

ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.

10/01/92-10/13/92 ASTM D 3967-86, STANDARD TEST METHOD FOR A Y C GS920983114220.002 DRILL HOLE UE-25 NRG-1 ROCK CORE TESTS: SPLITTING TENSILE STRENGTH OF INTACT ROCK SPLITTING TENSILE STRENGTH OF INTACT CORE SPECIMENS; IRSM SUGGESTED METHODS FOR ROCK CORE SPECIMENS, DIRECT SHEAR TEST RESULTS - OPEN JOINT SLIDING FRICTION, DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR PULSE VELOCITIES AND ULTRASONIC ELASTIC STRENGTH, FEBRUARY 1974; ASTM D 2845-90, CONSTANTS OF INTACT ROCK CORE TEST STANDARD TEST METHOD FOR LABORATORY SPECIMENS, UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK; ASTM TEST SPECIMENS D 3148-86, STANDARD TEST METHOD FOR

ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER

				DQ AU TA	r o c
SITE CHARACTERIZATION PLAN BASELINE				I TF YI	A T I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PE ED	0 N -
GS921283114220.003	RELATIVE DENSITY DETERMINATION, LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	04/02/92-11/20/92	U.S.BUREAU OF RECLAMATION EARTH MANUAL PROCEDURE USBR 5205-89, APPENDIX X3[4], PREPARING SOIL SAMPLES BY SPLITTING OR QUARTERING, SYNTHETIC GRADATION ANALYSIS.	АY	С
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER			
GS921283114220.004	SUMMARY ACCESS ROAD TEST PIT DATA, LOGS OF VISUAL OBSERVATIONS OF SITE AND TEST PIT. FIELD TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	09/15/92-09/19/92	YMP-USGS TECHNICAL PROCEDURES EGP-7000-89, R1, PERFORMING DISTURBED SOIL SAMPLING IN TEST PITS, TRENCHES, ACCESSIBLE BORINGS, AND TUNNELS; EGP-5005-86,R1, DETERMINING UNIFIED SOIL CLASSIFICATION (VISUAL METHOD).	АҮ	с
	ACQN/DEVL LOCATION : UE-25 NRG-1				
GS921283114220.005	PHYSICAL PROPERTIES AND DIMENSIONAL TOLERANCE CONFORMANCE OF ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/15/92-11/30/92	ASTM C 97-83, ISRM PART 1: SUGGESTED METHODS FOR DETERMINING WATER CONTENT, POROSITY, DENSITY, AND RELATED PROPERTIES.	ΑY	с
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER			
GS921283114220.006	PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-11/19/92	ASTM D 2845-90 STANDARD TEST METHODS FOR LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANCY OF ROCK.	АY	с
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER			

ί –

(-

		432		
	SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AUL TAO ALC IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
GS921283114220.007	DIRECT SHEAR TEST RESULTS - INTACT ROCK AND SLIDING FRICTION. LAB TESTS OF MECHANICAL PROPERTIES.	10/01/91-11/27/92	ISRM SUGGESTED METHODS FOR DETERMINING SHEAR STRENGTH, PART 2, LABORATORY DETERMINATION OF DIRECT SHEAR STRENGTH, FEBRUARY 1974.	АҮС
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
GS921283114220.008	UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3148-86, STANDARD TEST METHOD FOR ELASTIC MODULI OF INTACT ROCK CORE SPECIMENS IN UNIAXIAL COMPRESSION.	АҮС
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
GS921283114220.009	TRIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.	10/10/92-11/27/92	ASTM D 2664-86, TEST METHOD FOR TRIAXIAL COMPRESSION STRENGTH OF UNDRAINED ROCK CORE SPECIMANS WITHOUT PORE PRESSURE MEASUREMENTS.	АҮС
	ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB,	DENVER		
GS921283114220.010	SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENTS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.	10/01/92-10/13/92	ASTM D 3967-86, STANDARD TEST METHOD FOR SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.	АУС

ť

1

Ĺ

ACQN/DEVL LOCATION : USBR SOIL & ROCK LAB, DENVER

				DQ AUL TAO ALC
	SITE CHARACTERIZATION PLAN BASELINE			
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
GS921283114220.014	SOIL AND ROCK GEOTECHNICAL INVESTIGATIONS, FIELD AND LABORATORY STUDIES, NORTH RAMP SURFACE FACILITY, EXPLORATORY STUDIES FACILITY, YUCCA MOUNTAIN PROJECT, NEVADA, BY MARK H. MCKEOWN AND STEVE C. BEASON	04/01/92-11/30/92	THIS REPORT IS DERIVED FROM GEOLOGIC MAPPING, PAVEMENT MAPPING, TEST PITS, AND LABORATORY DATA FROM TEST PITS, AND DRILL HOLES.	DҮС
	ACQN/DEVL LOCATION : USBR, DENVER, CO			
GS930283114233.001	RESISTIVITY DATA FOR THE YMP NORTH PORTAL	05/28/92-06/04/92	THESE DATA WERE COLLECTED PER TECHNICAL PROCEDURE USBR GPP-01,R0, ELECTRICAL RESISTIVITY MEASUREMENT USING THE ABEM TERRAMETER SAS SYSTEM, EXCEPT AS NOTED IN COMMENTS.	АУС
	ACON/DEVL LOCATION : UE-25 NRG-1			
Activity - 8.3.1.15	.1.1			
**SNSAND85076200.000	SAND85-0762: "BULK, THERMAL, AND MECHANICAL PROPERTIES OF THE TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFF, YUCCA MOUNTAIN, NEVADA." NNA.871013.0012	01/01/85-09/01/87	EXPERIMENTAL DATA ON MATRIX POROSITY, GRAIN DENSITY, THERMAL EXPANSION; COMPRESSIVE STRENGTH, YOUNG'S MODULUS, POISSON'S RATIO, AND AXIAL STRAIN AT FAILURE FOR SAMPLES FROM THE TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFF ARE COMPILED. HEAT CAPACITY AND EMISSIVITY ALSO ARE DISCUSSED. DATA HAVE BEEN ANALYZED FOR SPATIAL VARIABILITY; SLIGHT VARIABILITY IS OBSERVED FOR MATRIX POROSITY, GRAIN DENSITY, AND THERMAL EXPANSION COEFFICIENT. ESTIMATES OF IN-SITU VALUES FOR SOME PROPERTIES ARE PRESENTED. VERTICAL IN-SITU STRESS AS A FUNCTION OF HORIZONTAL AND VERTICAL LOCATION HAS BEEN CALCULATED. (FOR MORE DETAIL SEE SAND85-0762).	DNT
	ACQN/DEVL LOCATION : SNL			

<u>í</u>

		434		DQ	
			_	A U I T A C A L C	
SITE CHARACTERIZATION PLAN BASELINE T					נ נ ב
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E C E D N 	- 1)
Activity - 8.3.1.15	5.1.1.1				
SNL0300000001.000	GRAIN DENSITY MEASUREMENTS OF USW GU-3 AND USW G-4 SAMPLES IN SUPPORT OF HYDROLOGIC PROPERTY ANALYSIS, THE DATA IS USED TO DETERMINE POROSITIES AND SATURATION OF SAMPLES.	11/20/84-12/13/84	DATA COLLECTED USING A MICROMERETICS MODEL 1310 HELIUM GAS PYCOMETER.	ΑΝΟ	3
	ACQN/DEVL LOCATION : SNL				
SNL0300000003.000	DETERMINATION OF DRY BULK DENSITIES AND GRAIN DENSITIES USED IN SUPPORT OF HYDROLOGIC CALCULATIONS AND IN POROSITY AND SATURATION CALCULATIONS	07/07/82-10/21/83	DATA COLLECTED USING A PCYNOMETER BULK DENSITY WAS CALCULATED BY DETERMINING THE VOLUME OF CORE AND WEIGHT $(D=M/V)$. THE POROSITY EQUATION IS 1-BULK DENSITY/PARTICLE DENSITY. THE PARTICLE DENSITY CALCULATION IS P_P=P_W (W_S-W_A) /[W_S-W_A)-(W_S_W-W_W)].	ΑΝΟ	
	ACQN/DEVL LOCATION : PACIFIC NORTHWEST LA	BORATORY			
SNL03042594001.001	AVERAGE GRAIN DENSITY FOR THERMAL PROPERTIES TEST SAMPLES FROM BOREHOLES USW G-1, USW G-2, USW GU-3, & USW G-4.	04/19/94-04/21/94	ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	AYF	?
	ACQN/DEVL LOCATION : NER, WHITE RIVER JUN	CTION, VERMONT			
SNL03042594001.002	AVERAGE GRAIN DENSITY FOR THERMAL PROPERTIES TEST SAMPLES FROM BOREHOLES UE25 NRG-4, UE25 NRG-5, & USW NRG-6.	01/18/94-03/29/94	ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	АУБ	?
	ACQN/DEVL LOCATION : NER, WHITE RIVER JUN	CTION, VERMONT			

(

(

	SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AUL TAO ALC
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
SNL03042594001.003	AVERAGE GRAIN DENSITY FOR THERMAL PROPERTIES TEST SAMPLES FROM BOREHOLE UE25 NRG-7/7A.	06/13/94-06/15/94	ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	АҮР
	ACQN/DEVL LOCATION : NER, WHITE RIVER JUNC	TION, VERMONT		
*SNL03042594001.004	AVERAGE GRAIN DENSITY FOR THERMAL PROPERTIES TEST SAMPLES FROM BOREHOLES USW G-2 & USW G-4.	07/15/94-07/21/94	ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS".	АYР
	ACON/DEVL LOCATION : NER, WHITE RIVER JUNC	TION, VERMONT		
SNL03071183001.001	MECHANICAL TESTING DATA ON TOPOPAH SPRING MEMBER SAMPLES FROM BUSTED BUTTE. BULK PROPERTIES TESTING ON 28 BUSTED BUTTE OUTCROP SAMPLES.	07/26/83-12/06/83	BEFORE MECHANICAL TESTING, ALL OF THE TEST SAMPLES WERE WATER SATURATED. SATURATED WEIGHTS WERE COMBINED WITH MEASURED VOLUMES TO PROVIDE SATURATED BULK DENSITIES OF THE SAMPLES. BULK SAMPLE GRAIN DENSITY, MATRIX GRAIN DENSITY, AND MATRIX POROSITY WERE MEASURED ON PIECES OF SCRAP TAKEN FROM THE END OF EACH SAMPLE DURING THE MACHINING PROCESS. THE REMAINDER OF THE BULK PROPERTIES WERE CALCULATED FROM THESE MEASURED PROPERTIES AND THE MODAL PERCENTAGES OBTAINED FROM POINT COUNTING. (FOR MORE DETAIL SEE SAND84-0860 APPENDIX C). TECHNICAL PROCEDURE: "QUALITY ASSURANCE PLAN, TERRA TEK RESEARCH AND DEVELOPMENT SERVICES. ROCK MECHANICS GROUP, HIGH TEMP., HIGH PRESSURE TEST AREA."	A N C

ACQN/DEVL LOCATION : TERRA TEK/SANDIA NATIONAL LABORATORY (SNL)

(______.

	(· · · · · · · · · · · · · · · · · · ·		
		436			
				DQ AUL TAO ALC	
	SITE CHARACTERI	ZATION PLAN BASELIN	E	IA	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN	
SNL03071183002.001	MECHANICAL TESTING DATA, BULK PROPERTIES TESTING ON TWELVE BUSTED BUTTE TOPOPAH SPRING MEMBER 10AE SAMPLES.	07/26/83-12/06/83 DNAL LABORATORY (SN	BEFORE MECHANICAL TESTING, ALL OF THE TEST SAMPLES WERE WATER SATURATED. SATURATED WEIGHTS WERE COMBINED WITH MEASURED VOLUMES TO PROVIDE SATURATED BULK DENSITIES OF THE SAMPLES. BULK SAMPLE GRAIN DENSITY, MATRIX GRAIN DENSITY, AND MATRIX POROSITY WERE MEASURED ON PIECES OF SCRAP TAKEN FROM THE END OF EACH SAMPLE DURING THE MACHINING PROCESS. L)	ANC	
SNL03120178001.001	INITIAL CHARACTERIZATION OF UE-25A#1 DRILL HOLE. ACQN/DEVL LOCATION : HOLMES & NARVER, INC.	12/01/78-11/30/79	PHYSICAL PROPERTIES INCLUDING NATURAL STATE BULK DENSITY, GRAIN DENSITY USING A WATER PYCNOMETER TECHNIQUE AND POROSITY USING HELIUM POROSITY/GAS PERMEABILITY TECHNIQUE. (SEE ASTM D 1188-71, ASTM D 2216-71, ASTM D 854-58, & API RP40.)	ANC	
SNL04020984001.001	PETROGRAPHIC DESCRIPTION OF LITHOPHYSAL TUFFS.	11/01/83-01/01/84	NINETEEN POLISHED THIN-SECTIONS WERE PREPARED FROM TEN SAMPLES TAKEN FROM THE ENDS OF THE LARGE DIAMETER CORES. PETROGRAPHIC DATA WAS OBTAINED FROM EXAMINATION OF THIN-SECTIONS, USING A PETROGRAPHIC MICROSCOPE.	ANC	
ACQN/DEVL LOCATION : UNIVERSITY OF NEW MEXICO, GEOLOGY DEPARTMENT					

!

				DQ
				TÃO
				ALC
	SITE CHARACTER	RIZATION PLAN BASELIN	E	IA
				TFT
				YII
				PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
CNCAND88081100 000	SAND88-0811 . "SNL YUCCA MOUNTAIN	12/10/87-10/18/88	EXPERIMENT RESULTS PRESENTED FOR DENSITY	ה א ד

 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 D N 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).

SAND88-0882).

DESCRIPTION OF EACH METHOD SEE

ACON/DEVL LOCATION : SNL

Activity - 8.3.1.15.1.1.2

SNSAND88088200.000 SAND88-0882: "MINERALOGIC AND CHEMICAL 08/17/85-04/01/89 BULK CHEMICAL, X-RAY DIFFRACTION AND D N T DATA SUPPORTING HEAT CAPACITY DETERMINATION FOR TUFFACEOUS ROCKS" NNA.890928.0125 NNA.890928.0125 DETERMINATION CHEMICAL 08/17/85-04/01/89 DETERMINATION FOR TUFFACEOUS ROCKS" NNA.890928.0125 DETERMINATION FOR TUFFACEOUS ROCKS DETERMINATION FOR TUFFACEOUS ROCKS NNA.890928.0125 DETERMINATION CHEMICAL 08/17/85-04/01/89 DETERMINATION FOR TUFFACEOUS ROCKS DETERMINATION FOR TUFFACEOUS ROCKS DETERMINATION FOR TUFFACEOUS ROCKS DETERMINATION FOR TUFFACEOUS ROCKS NNA.890928.0125 DETERMINATION FOR TUFFACEOUS ROCKS NNA.890928.0125 DETERMINATION FOR TUFFACEOUS ROCKS DETERMINATION FOR TUFFACEOUS ROCKS DETERMINATION FOR TUFFACEOUS ROCKS NNA.890928.0125 DETERMINATION FOR TUFFACEOUS ROCKS DETERMINATION FOR TUFFACEOUS ROCKS

ACQN/DEVL LOCATION : SNL

		438		
		100		DQ AUL TAO
	STUE CHARACTER	TZATTON PLAN BASELIN	E	ALC TA
	brin omderen.			TFT
				YII
DAMA MDAGUTNG NA		ACON DEVI DEDIOD	ACON /DEVA METHOD	PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACON/DEVI MEIROD	
Activity - 8.3.1.15	5.1.1.3			
SNL01A05059301.001	THERMAL CONDUCTIVITY DATA FROM USW NRG-6 DRILLHOLE FROM DEPTH OF 28.8 FT. TO 416.0 FT. THESE DATA SUPERSEDED BY DATA IDENTIFIED BY DTN: SNL01A05059301.002	05/01/93-11/01/93	GUARDED-HEAT-FLOW-METER METHOD.	AYC
	ACQN/DEVL LOCATION : HOLOMETRIX, BEDFORD,	МА		
*SNL01A05059301.002	THERMAL CONDUCTIVITY DATA FROM USW NRG-6 DRILLHOLE SAMPLES FROM DEPTH OF 28.8 FT. TO 987.0 FT. THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNL01A05059301.001	06/10/93-05/16/94	MEASUREMENT OF THERMAL CONDUCTIVITY OF GEOLOGIC SAMPLES BY THE GUARDED-HEAT-FLOW-METER METHOD AS PER TP-202; VACUUM SATURATION OF SAMPLES PER TP-065; VOLUME, CALCULATIONAL METHOD PER TP-200. SATURATION LEVEL IS CALCULATED BY DIVIDING (TEST WEIGHT-DRY WEIGHT) BY (SATURATED WEIGHT-DRY WEIGHT). POROSITY EQUALS (SATURATED WEIGHT-DRY WEIGHT) DIVIDED BY VOLUME.	АУР
	ACQN/DEVL LOCATION : HOLOMETRIX; BEDFORD,	МА		
SNL01A07019101.001	THERMAL CONDUCTIVITY DATA AT DIFFERENT SATURATIONS AND TEMPERATURES FOR WELDED DEVITRIFIED AND NON-WELDED ZEOLITIC TUFFS FROM YUCCA MOUNTAIN.	08/07/93-03/29/94	MEASUREMENT OF THERMAL CONDUCTIVITY OF GEOLOGIC SAMPLES BY THE GUARDED-HEAT-FLOW-METER METHOD AS PER TP-202.	АҮР
	ACQN/DEVL LOCATION : HOLOMETRIX, BEDFORD,	MA		

SITE CHARACTERIZATION PLAN BASELINE			D Q A U L T A O A L C I A	
				T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
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 FOWER APPLIED TO THE SAMPLE, THE MEASURED RISE IN TEMPERATURE, AND THE TIME. (FOR MORE DETAIL SEE SAND88-0624).	DNT
	ACQN/DEVL LOCATION : SNL			
Activity - 8.3.1.15	5.1.2.1			
SNL01B00000001.000	UNCONFINED LINEAR THERMAL EXPANSION DATA	02/01/78-01/26/87	DUAL PUSH ROD DILATOMETRY	ANC
	ACQN/DEVL LOCATION : SNL			
SNL01B00000002.000	UNCONFINED LINEAR THERMAL EXPANSION DATA ACQN/DEVL LOCATION : SNL	02/01/78-01/26/87	DUAL PUSH ROD DILATOMETRY	ANC
SNL01B00000003.000	CONFINED LINEAR THERMAL EXPANSION DATA	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	ANC
	ACQN/DEVL LOCATION : TERRA TEK, INC.			
SNL01B00000004.000	CONFINED LINEAR THERMAL EXPANSION DATA	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	ANC

-

t -

	SITE CHARACTERI	440 ZATION PLAN BASELIN	E	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNL01B00000005.000	CONFINED LINEAR THERMAL EXPANSION DATA ACQN/DEVL LOCATION : TERRA TEK, INC.	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	ANC
SNL01B0000006.000	CONFINED LINEAR THERMAL EXPANSION DATA ACQN/DEVL LOCATION : TERRA TEK, INC.	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	ANC
SNL01B00000007.000	CONFINED LINEAR THERMAL EXPANSION DATA ACQN/DEVL LOCATION : TERRA TEK, INC.	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	ANC
SNL01B0000008.000	CONFINED LINEAR THERMAL EXPANSION DATA ACQN/DEVL LOCATION : TERRA TEK, INC.	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	ANC
SNL01B00000009.000	CONFINED LINEAR THERMAL EXPANSION DATA ACQN/DEVL LOCATION : TERRA TEK, INC.	02/01/78-01/26/87	SINGLE PUSH ROD DILATOMETRY	ANC
**SNL01B00000010.000	CONFINED AND UNCONFINED LINEAR THERMAL EXPANSION DATA ACQN/DEVL LOCATION : SNL	02/01/78-01/26/87	SINGLE AND DUAL PUSH ROD DILATOMETRY	DNT

	SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AUL TAO ALC IA
				T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
SNL01B05059301.002	THERMAL EXPANSION DATA FROM USW NRG-6 DRILLHOLE FROM DEPTH OF 28.8 FT. TO 416.0 FT. THIS DATA HAS BEEN SUPERSEDED BY DATA IDENTIFIED BY DTN: SNL01B05059301.003.	05/21/93-11/11/93	SINGLE PUSH-ROD DILATOMETER.	АҮС
	ACQN/DEVL LOCATION : HOLOMETRIX, BEDFORD,	MA		
SNL01B05059301.003	THERMAL EXPANSION CURVES FOR SAMPLES FROM USW NRG-6 DRILLHOLE FROM DEPTH 28.8 FT. TO 1081.5 FT. THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNL01B05059301.002	09/27/93-03/17/94	SINGLE PUSH-ROD DILATOMETER.	АҮР
	ACQN/DEVL LOCATION : HOLOMETRIX, BEDFORD,	ма		
*SNL01B05289301.001	THERMAL EXPANSION CURVES FOR THE STUDY ON THE EFFECTS OF SAMPLE SIZE ON THERMAL EXPANSION BEHAVIOR.	12/17/93-06/13/94	SINGLE PUSH ROD DILATOMETER.	АҮР
	ACQN/DEVL LOCATION : HOLOMETRIX, BEDFORD M	IA		
*SNL01B06189301.001	THERMAL EXPANSION CURVES FOR THE STUDY ON THE EFFECTS OF SAMPLE SATURATION ON THERMAL EXPANSION BEHAVIOR.	08/01/94-08/30/94	SINGLE PUSH ROD DILATOMETER ACQUISITION SYSTEM	АҮР

ACQN/DEVL LOCATION : HOLOMETRIX, BEDFORD, MA

ſ

(((
		442		DQ AUL TAO
	SITE CHARACTER	IZATION PLAN BASELIN	IE	ALC IA TFT YII PFO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
SNL03042594001.001	AVERAGE GRAIN DENSITY FOR THERMAL PROPERTIES TEST SAMPLES FROM BOREHOLES USW G-1, USW G-2, USW GU-3, & USW G-4.	04/19/94-04/21/94	ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	АУР
	ACQN/DEVL LOCATION : NER, WHITE RIVER JUN	CTION, VERMONT		
SNL03042594001.002	AVERAGE GRAIN DENSITY FOR THERMAL PROPERTIES TEST SAMPLES FROM BOREHOLES UE25 NRG-4, UE25 NRG-5, & USW NRG-6.	01/18/94-03/29/94	ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	АҮР
	ACQN/DEVL LOCATION : NER, WHITE RIVER JUN	CTION, VERMONT		
SNL03042594001.003	AVERAGE GRAIN DENSITY FOR THERMAL PROPERTIES TEST SAMPLES FROM BOREHOLE UE25 NRG-7/7A.	06/13/94-06/15/94	ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	АУР
	ACQN/DEVL LOCATION : NER, WHITE RIVER JUN	CTION, VERMONT		
*SNL03042594001.004	AVERAGE GRAIN DENSITY FOR THERMAL PROPERTIES TEST SAMPLES FROM BOREHOLES USW G-2 & USW G-4.	07/15/94-07/21/94	ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS".	АУР
	ACQN/DEVL LOCATION : NER, WHITE RIVER JUN	CTION, VERMONT		
SNL0400000001.000	DATA DISKETTES (REFLEX AND LOTUS 123) USED SPDD 91-7031.	04/01/89-03/01/91	STANDARD MICROPROBE ANALYSIS.	ANP
	ACQN/DEVL LOCATION : USW G-1			

SITE CHARACTERIZATION PLAN BASELINE				DQ AU TA AL TF YI	L O C A T I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PE ED	0 N
Activity - 8.3.1.15	.1.3				
SNSAND86113100.000	SAND86-1131: "PETROLOGIC AND MECHANICAL PROPERTIES OF OUTCROP SAMPLES OF THE WELDED, DEVITRIFIED TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFF." HQS.880517.1704	04/04/85-05/31/87	MORE THAN FIFTY OUTCROP SAMPLES OF THE TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFF HAVE BEEN ANALYZED FOR THEIR PETROLOGIC OR MECHANICAL PROPERTIES. BOTH SATURATED AND OVEN DRIED SAMPLES WERE DEFORMED IN COMPRESSION AT EFFECTIVE CONFINING PRESSURES OF 0,5 AND 10 MPA; TEMPERATURES OF 22 AND 150 DEGREES C.; AND NOMINAL STRAIN RATES OF 10-7, 10-5, AND 10-3 S-1. (FOR MORE DETAIL SEE SAND86-1131 AND TDIF'S FOR SOURCE DATA.)	DN	т
	ACQN/DEVL LOCATION : SNL				
Activity - 8.3.1.15	.1.3.1				
SNL0200000011.000	MATRIX COMPRESSIVE TESTS OF THE TOPOPAH SPRING MEMBER IN USW GU-3	04/20/83-05/17/83	THE MECHANICAL EXPERIMENTS WERE PERFORMED ON A LOAD FRAME HAVING A MAXIMUM LOAD CAPACITY OF 1.8MN (400KIP). A CONSTANT DISPLACEMENT RATE OF THE LOADING PISTON IS ACHIEVED BY SERVO-CONTROL OF THE HYDRAULIC RAM WHILE MONITORING AN LVDT (LINEAR VARIABLE DISPLACEMENT TRANSFORMER) AT THE BASE OF THE LOADING COLUMN.	A N	с
	ACQN/DEVL LOCATION : USW GU-3, YUCCA MOUNT	AIN, NEVADA TEST SI	TE		
SNL0200000012.000	UNIAXIAL AND TRIAXIAL COMPRESSION TEST SERIES ON TOPOPAH SPRING TUFF	06/24/82-10/31/82	MECHANICAL EXPERIMENTS WERE PERFORMED ON LOAD FRAMES HAVING MAXIMUM LOAD CAPACITIES OF 1.0 MN (220 KIP) AND 1.8 MN (400 KIP) FOR UNIAXIAL AND TRIAXIAL TESTS, RESPECTIVELY.	A N	с
	ACON/DEVIL LOCATION · USW-G1 YUCCA MOUNTAT	N NEVADA TEST STTE			

		444			
SITE CHARACTERIZATION PLAN BASELINE			IE	AUL TAC ALC IA TFI	.):
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		
SNL02030180001.001	MATRIX COMPRESSIVE TESTS TO CHARACTERIZE TUFFS FROM UE-25A#1 AND THE LASER DRIFT IN G-TUNNEL.	11/01/78-11/01/80	MATERIAL FROM G-TUNNEL HAS BEEN TESTED IN OVEN-DRIED AND SATURATED STATES. SPECIMEN DIAMETERS ARE 25MM FOR THE GROUSE CANYON TUFF AND 48 OR 64MM FOR THE YUCCA MOUNTAIN ROCK, ALL WITH A 2 TO 1 OR GREATER LENGTH TO DIAMETER RATIO. TESTING IS ACCOMPLISHED IN A 1.8 GN ULTRA-STIFF, ELECTRO-HYDRAULIC, SERVO-CONTROLLED COMPRESSION TESTING MACHINE. AXIAL DISPLACEMENT IS MEASURED BY LINEAR VARIABLE DIFFERENTIAL TRANSDUCERS MOUNTED AT TWO POINTS ALONG THE LENGTH OF THE SPECIMEN. FOR TRIAXIAL TESTS THE SPECIMEN. FOR TRIAXIAL TESTS THE SPECIMENS ARE JACKETED WITH A 2-PART BRUSH-ON RUBBER COMPOUND OR HEAT-SHRINK POLYOLEFIN TUBING. A DIGITAL PDP-11 COLLECTS AND REDUCES FORCES. (SEE SAND80-1453 FOR A MORE DETAILED DESCRIPTION OF METHOD.)	ANC	:
	ACQN/DEVL LOCATION : SNL				
SNL02030193001.014	MECHANICAL PROPERTIES DATA (GRAIN DENSITY, POROSITY, UNCONFINED STRENGTH, ELASTIC PROPERTIES, & INDIRECT TENSILE	10/01/93-01/27/94	STANDARD LABORATORY ROCK MECHANICS PROCEDURES AS PER TP-219: "UNCONFINED COMPRESSION EXPERIMENTS AT 22 DEGREES C	ΑΥΟ	;

AND A STRAIN RATE OF 10-E 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.", & ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF

SOILS."

ACON/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT

STRENGTH) FOR DRILLHOLE UE25 NRG-4

FT.

SAMPLES FROM DEPTH 378.1 FT. TO 695.8

1

ţ

SITE CHARACTERIZATION PLAN BASELINE) JL O LC IA FT	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E C	E O N C	
SNL02030193001.015	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, DRY BULK DENSITY, & POROSITY) FOR DRILLHOLE UE25 NRG-4 SAMPLES FROM DEPTH 527.0 FT.	10/01/93-02/16/94	ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK"., ISRM "SUGGESTED METHODS FOR DETERMINING THE STRENGTH OF ROCK MATERIALS IN TRIAXIAL COMPRESSION: REVISED VERSION", 1983.	Υ	ΥC	
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVE	R JUNCTION, VERMONT				
SNL02030193001.016	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, & UNCONFINED STRENGTH) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 18.0 FT TO 472.9 FT.	01/13/94-03/16/94	ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK.", ISRM "SUGGESTED METHODS FOR DETERMINING THE STRENGTH OF ROCK MATERIALS IN TRIAXIAL COMPRESSION: REVISED VERSION", 1983.	АУ	(P	
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVE	R JUNCTION, VERMONT				
SNL02030193001.017	MECHANICAL PROPERTIES DATA (TENSILE STRENGTH, AVERAGE GRAIN DENSITY, & POROSITY) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 18.0 FT. TO 495.0 FT.	01/13/94-03/18/94	ASTM STM D3967-92: "SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.", AND ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	АУ	2 C	
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVE	R JUNCTION, VERMONT				
SNL02030193001.018	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, DRY BULK DENSITY & POROSITY) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 344.4 FT.	01/13/94-04/07/94	ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK.", ISRM "SUGGESTED METHODS FOR DETERMINING THE STRENGTH OF ROCK MATERIALS IN TRIAXIAL COMPRESSION: REVISED VERSION", 1983.	AY	ζC	
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVE	R JUNCTION, VERMONT				

(-)

(-

		446			
		110		D Q A U T A A L	L O C
	SITE CHARACTERI	ZATION PLAN BASELIN	E	I TF YI	A T I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PE ED 	N -
SNL02030193001.019	MECHANICAL PROPERTIES DATA (GRAIN DENSITY, POROSITY, UNCONFINED STRENGTH, CONFINED STRENGTH, ELASTIC PROPERTIES, AND INDIRECT TENSILE STRENGTH) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 507.4 FT. TO 881.0 FT.	03/15/94-06/28/94	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"; AND ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS".	АУ	Ρ
	ACQN/DEVL LOCATION : NER, INC.; WHITE RIVE	R JUNCTION, VERMONT			
*SNL02030193001.020	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TRIAXIAL STRENGTH, DRY BULK DENSITY & POROSITY) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 554.7 FT. TO 1450.1 FT.	03/15/94-07/22/94	ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK.", ISRM "SUGGESTED METHODS FOR DETERMINING THE STRENGTH OF ROCK MATERIALS IN TRIAXIAL COMPRESSION: REVISED VERSION", 1983. ASTM STM D3967-92: "SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.", AND ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	АЧ	Ρ
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVE	R JUNCTION, VERMONT			
SNL02033084001.001	MATRIX COMPRESSIVE TESTS OF THE TOPOPAH SPRING MEMBER IN USW G-2.	06/21/84-06/21/85	THIRTY-SIX UNIAXIAL AND TRIAXIAL COMPRESSION EXPERIMENTS WERE PERFORMED ON CYLINDRICAL SAMPLES TAKEN FROM THE TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFF FROM CORE HOLE USW G-2 AT YUCCA MOUNTAIN IN SOUTHERN NEVADA. THE MECHANICAL EXPERIMENTS WERE PERFORMED ON A LOAD FRAME HAVING A MAXIMUM CAPACITY OF 1.1 MN (235 KIP). FOR MORE DETAIL SEE SAND85-0703 & "QUALITY ASSURANCE PLAN, TERRA TEK RESEARCH AND DEVELOPMENT SERVICES. ROCK MECHANICS GROUP, HIGH TEMPERATURE, HIGH PRESSURE TEST AREA."	AN	С

	DQ		
	AUL		
	ТАО		
	ALC		
SITE CHARACTERIZATION PLAN BASELINE			
	тғт		
	YII		
	PEO		
DATA TRACKING NO. TITLE/DESCRIPTION ACQN/DEVL PERIOD ACQN/DEVL METHOD	EDN		

ACON/DEVL LOCATION : TERRA TEK RESEARCH, SALT LAKE CITY, UTAH.

04/04/85-08/12/87 RSI/LPM-1: "RE/SPEC LABORATORY PROCEDURES A N C SNL02033084002.001 PARAMETER EFFECTS ON MATRIX COMPRESSIVE PROPERTIES OF THE TOPOPAH SPRING MEMBER MANUAL". & TP-05 DOCUMENTATION FOR TUFF TESTING IN RSI/TLM-144 AT BUSTED BUTTE.

ACQN/DEVL LOCATION : RE/SPEC INC., ALBUQUERQUE, NM

SNL02040184001.001 EFFECTS OF LITHOPHYSAE ON THE MATRIX 09/26/83-02/13/84 ROCKS FOR THIS STUDY WERE COLLECTED AS ANC LARGE (6 CUBIC METERS) IRREGULAR BLOCKS COMPRESSIVE PROPERTIES. PHYSICAL FROM AN OUTCROP ON THE SOUTHEASTERN FLANK PROPERTIES AND LITHOPHYSAL DETERMINATION FOR LARGE DIAMETER SAMPLES OF THE OF BUSTED BUTTE. CYLINDRICAL SAMPLES WITH DIAMETERS OF 12 INCHES WERE CORED FROM THE TOPOPAH SPRING MEMBER AT BUSTED BUTTE. LARGE BLOCKS. THESE SAMPLES WERE THEN CUT AND MACHINED TO RIGHT-CIRCULAR CYLINDERS 266.7MM (PLUS OR MINUS .25MM) IN DIAMETER AND 533.4MM (PLUS OR MINUS 2.0MM) IN LENGTH. PIECES CUT FROM THE SAMPLES ENDS WERE USED IN THE MINERALOGY AND BULK PROPERTY STUDIES, AND THE FINISHED

CYLINDERS WERE THE MECHANICAL TEST SPECIMENS, MECHANICAL EXPERIMENTS WERE PERFORMED ON A LOAD FRAME. (SEE SAND 84-0860 PG8-23 FOR MORE DETAIL). TESTING PROCEDURES: ASTM D 3148-80, ASTM D

2938-79, & ASTM D 2664-80

ACON/DEVL LOCATION : SANDIA NATIONAL LABORATORY (SNL)

448 SITE CHARACTERIZATION PLAN BASELINE			₹E	DQ AUI TAC ALC IF TFT YIJ	202465
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		- 1)
SNL02062685001.001	DETERMINATIONS OF THE EFFECT OF SAMPLE SIZE ON THE MECHANICAL PROPERTIES OF THE WELDED TOPOPAH SPRING MEMBER, BUSTED BUTTE.	07/29/85-10/25/85	IN THIS TEST A RIGHT CIRCULAR CYLINDER IS PRESSED BETWEEN TWO STEEL PLATENS SO THE LOAD IS DIRECTED ALONG THE SPECIMEN AXIS. APPLIED STRESS IS DETERMINED BY A LOAD CELL PLACED IN LINE WITH THE SPECIMEN. STRAINS ARE MEASURED BY TRANSDUCERS AFFIXED TO EITHER THE SPECIMEN OR THE LOADING PLATENS AT THE ENDS. UNIAXIAL COMPRESSION TESTS WERE PERFORMED IN 1.0 MN OR 5.0 MN MTS SERVO-CONTROLLED MACHINES. (SEE, DATASET SECTION 9 "ANALYSIS OF RESULTS" LETTER DATED 5/20/87 TO: RON PRICE; SECTION 6 "TECHNICAL PROCEDURES" LETTER DATED 2/24/84 TO: J. R. TILLERSON & LETTER DATED 2/24/84 TO: F. B. NIMICK; SAND86-1131 FOR MORE DETAIL).	ΑΝΟ	
	ACQN/DEVL LOCATION : SNL				
SNL02072983001.001	LABORATORY COMPARISON OF MECHANICAL COMPRESSIVE DATA FROM MATRIX COMPRESSIVE TESTS USING BUSTED BUTTE OUTCROP SAMPLES.	09/16/83-03/20/84	1) TRIAXIAL COMPRESSION TESTS OF NINE BUSTED BUTTE OUTCROP SAMPLES, CONDUCTED BY TERRATEK. 2) MECHANICAL TESTS OF ALUMINUM AND PLASTIC SAMPLES. THESE TESTS WERE PERFORMED AS PART OF AN EXPERIMENT DESIGNED TO ASSESS THE INFLUENCE OF INDIVIDUAL TESTING LABORATORIES ON TEST RESULTS. (SEE ACTIVITY 2 & 3 DATA FROM DRMS DATASET 51/L02-7/29/83). (FOR MORE DETAIL SEE TECHNICAL PROCEDURES SECTION OF DRMS DATASET 51/L02-7/29/83).	ANC	:

ACQN/DEVL LOCATION : TERRATEK RESEARCH, SALT LAKE CITY, UTAH

1

	SITE CHARACTERIZATION PLAN BASELINE				L O C A T I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PE ED	0 N
SNL02072983002.001	LABORATORY COMPARISON OF MECHANICAL COMPRESSIVE DATA FROM MATRIX COMPRESSIVE TESTS USING BUSTED BUTTE OUTCROP SAMPLES.	08/10/83-08/23/83	MECHANICAL EXPERIMENTS WERE PERFORMED ON A LOAD FRAME WITH CAPACITIES OF 0.9, 1.8 & 4.9 MN. CONFINING PRESSURE AND PORE PRESSURE WERE MEASURED WITH STANDARD GAGES. (FOR MORE DETAIL SEE SOP NO. 45100 8210 "THE 1.8 MN (400 KIP) TRIAXIAL TESTING SYSTEM IN BUILDING 849, ROOM 1" AND ASTM D 2664-80 OR TECHNICAL PROCEDURES SECTION FROM DRMS 51/L02-7/29/83).	A N	с
	ACQN/DEVL LOCATION : SNL				
SNL02072983003.001	LABORATORY COMPARISON OF MECHANICAL COMPRESSIVE DATA FROM MATRIX COMPRESSIVE TESTS USING THE BUSTED BUTTE OUTCROP SAMPLES.	09/06/83-02/22/84	EIGHT TRIAXIAL COMPRESSION TESTS PERFORMED ON SATURATED SPECIMENS OF THE PAINTBRUSH TUFF AT BUSTED BUTTE. THE SPECIMENS WERE LOADED TO FAILURE AT 20 DEGREES C AND AT A CONSTANT AXIAL STRAIN RATE OF 1 X 10-5 S-1 AND AT ZERO PORE PRESSURE. TESTS PERFORMED AS PART OF AN EXPERIMENT DESIGNED TO ASSESS THE INFLUENCE OF INDIVIDUAL TESTING LABORATORIES ON TEST RESULTS. (SEE DRMS 51/L02-07/29/83 FOR MORE DETAIL).	A N	с
	ACQN/DEVL LOCATION : RE/SPEC INC., ALBUQUE	RQUE, NM			
SNL02100181001.001	LABORATORY COMPARISON OF MATRIX COMPRESSIVE TESTS USING THE CALICO HILLS MEMBER IN USW G-1.	11/13/81-04/01/82	FORTY-FOUR UNIAXIAL AND TRIAXIAL COMPRESSION EXPERIMENTS WERE PERFORMED ON SATURATED AND ROOM DRY SAMPLES AT NOMINAL STRAIN RATES; CONFINING PRESSURES OF 0.1, 10 AND 20 MPA; AND ROOM TEMPERATURE. THE MECHANICAL EXPERIMENTS WERE PERFORMED ON A LOAD FRAME HAVING A MAXIMUM LOAD CAPACITY OF 1.8 MN (400 KIP). THE UNCONFINED SAMPLES DEFORMED IN A BRITTLE MODE, WHILE THE CONFINED SAMPLES EXHIBITED MACROSCOPIC DUCTILE BEHAVIOR. (FOR A MORE DETAILED DESCRIPTION SEE SAND82-1314).	AN	с
	ACON/DEVL LOCATION : SNL				

	45U STUR CUADACURDIZATION DIAN DASRIINE			DQ AUL TAO ALC TA
			-	TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
SNL02120584001.001	MATRIX COMPRESSIVE TESTS TO DETERMINE PARAMETER EFFECTS. TEMPERATURE, PRESSURE, STRAIN RATE AND SATURATION ON MECHANICAL PROPERTIES OF THE TOPOPAH SPRING MEMBER.	04/05/85-03/21/86	MECHANICAL EXPERIMENTS WERE PERFORMED ON A LOAD FRAME WITH CAPACITIES OF 0.9, 1.8 & 4.9 MN. CONFINING PRESSURE, AND PORE PRESSURE WERE MEASURED WITH STANDARD GAGES. EFFECTIVE PRESSURE WAS CACULATED FROM THESE VALUES. TESTS WERE RUN DRAINED AND PORE PRESSURE WAS ASSUMED TO BE ATMOSPHERIC (ABOUT 0.1 MPA). DIFFERENTIAL STRESS AND AXIAL STRAIN WERE ALSO CALCULATED. LATERAL STRAIN & VOLUMETRIC STRAIN WERE ALSO CALCULATED. AXIAL FORCE, AXIAL DISPLACEMENT, LATERAL DISPLACEMENT AND TIME DATA WERE COLLECTED. (SEE SAND86-1131 FOR MORE DETAIL).	ANC
	ACQN/DEVL LOCATION : SNL			
SNL04021384001.001	CHARACTERIZATION OF SAMPLES IN SUPPORT OF MECHANICAL TESTING ON DENSELY WELDED SAMPLES OF THE TOPOPAH SPRING MEMBER FROM BUSTED BUTTE.	06/01/84-01/12/87	THE MINERALOGY AND PETROLOGY OF ELEVEN CORE SAMPLES OF WELDED TUFF WERE STUDIED IN SUPPORT OF ROCK MECHANICS TESTS. TWO PRIMARY PURPOSES OF THE PETROLOGIC STUDY. FIRST, DETERMINE IF THERE ARE ANY SIGNIFICANT MINERALOGIC OR TEXTURAL VARIATIONS BETWEEN SAMPLES WHICH MIGHT BE REFLECTED IN MECHANICAL TEST RESULTS. SECOND, DETERMINE MINERALOGIC DIFFERENCES BETWEEN THESE SURFACE SAMPLES AND EQUIVALENT HORIZONS PRESENT BENEATH YUCCA MTN. AS SAMPLED IN DRILL HOLES. (FOR MORE DETAIL SEE, DATASET SECTION 13 "REPORTS" LETTER TO: FRAN NIMICK DATED 7/8/85; SAND86-1131).	ANC

ACQN/DEVL LOCATION : UNM, ALBUQUERQUE, NM

l,

450

1

DATA TRACKING NO.	SITE CHARACTERI TITLE/DESCRIPTION	ZATION PLAN BASELIN ACQN/DEVL PERIOD	E ACQN/DEVL METHOD	D Q A U T A A I T H Y I P H E I	
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).	ΑΙ	1 C
	ACQN/DEVL LOCATION : UNIVERSITY OF NEW MEX	ICO			
SNSAND80145300.000	SAND80-1453: "ROCK MECHANICS PROPERTIES OF VOLCANIC TUFFS FROM THE NEVADA TEST SITE." NNA.870406.0497	11/01/78-07/01/80	UNIAXIAL AND TRIAXIAL COMPRESSION TEST AT CONSTANT STRAIN-RATE WERE RUN ON SAMPLES OF VOLCANIC TUFF FROM HOLE UE25A#1 AND G-TUNNEL, BOTH LOCATED ON THE NEVADA TEST SITE. TESTING IS ACCOMPLISHED IN A 1.8 GN ULTRA-STIFF, ELECTRO-HYDRAULIC, SERVO-CONTROLLED COMPRESSION TESTING MACHINE. RAM DISPLACEMENT IS USED AS THE PROGRAMMED FEEDBACK VARIABLE. (FOR MORE DETAIL SEE SAND80-1453)	Dł	τ,
	ACQN/DEVL LOCATION : SNL				
SNSAND82131400.000	DATA FROM SAND82-1314: "UNIAXIAL AND TRIAXIAL COMPRESSION TEST SERIES ON CALICO HILLS TUFF."; 1) LOAD CELL LVDT'S, AND DISK GAGE CALIBRATION DATA; 2) ALUMINUM SAMPLE CALIBRATION DATA; AND 3) EXPERIMENTAL DATA - COMPRESSION TESTS.	11/13/81-10/01/82	FORTY-FOUR UNIAXIAL AND TRIAXIAL COMPRESSION EXPERIMENTS WERE PERFORMED ON SATURATED AND ROOM DRY SAMPLES AT NOMINAL STRAIN RATES; CONFINING PRESSURES OF 0.1, 10 AND 20 MPA; AND ROOM TEMPERATURE. THE MECHANICAL EXPERIMENTS WERE PERFORMED ON A LOAD FRAME HAVING A MAXIMUM LOAD CAPACITY OF 1.8 MN (400 KIP). THE UNCONFINED SAMPLES DEFORMED IN A BRITTLE MODE, WHILE THE CONFINED SAMPLES EXHIBITED MACROSCOPIC DUCTILE BEHAVIOR. (SEE SAND82-1314 FOR MORE DETAIL)	Dŀ	1 Т

ACQN/DEVL LOCATION : SNL

452 DO AUT. TAO ALC ΙΑ SITE CHARACTERIZATION PLAN BASELINE TFT YII ΡΕΟ ACON/DEVL PERIOD ACON/DEVL METHOD DATA TRACKING NO. TITLE/DESCRIPTION EDN _____ SNSAND82172300.000 DEVELOPED DATA FROM SAND 82-1723: 1) 06/24/82-10/31/82 MECHANICAL EXPERIMENTS WERE PERFORMED ON D N T LOAD CELL LVDT'S AND DISK GAGE LOAD FRAMES HAVING MAXIMUM LOAD CAPACITIES OF 1.0 MN (220 KIP) AND 1.8 MN (400 KIP) CALIBRATION DATA; 2) ALUMINUM SAMPLE CALIBRATION DATA I.D. MN LOAD FRAME; 3) FOR THE UNIAXIAL AND TRIAXIAL TESTS. A LOAD CELL, LVDT'S AND DISK GAGE CONSTANT DISPLACEMENT RATE OF THE LOADING CALIBRATION DATA 1.8 MN FRAME; 4) PISTON IS ACHIEVED BY SERVO-CONTROL OF THE ALUMINUM SAMPLE CALIBRATION DATA -HYDRAULIC LOADING RAM WHILE MONITORING AN LVDT (LINEAR VARIABLE DISPLACEMENT COMPRESSION TESTS TRANSFORMER) AT THE BASE OF THE LOADING COLUMN. (SEE SAND82-1723, PAGE 7-9 FOR A MORE DETAILED DESCRIPTION.) USW-G1 SAMPLES. ACON/DEVL LOCATION : SNL, ALBUQUERQUE, NM SNSAND83164600.000 DATA FROM SAND83-1646: 1) LOAD CELL 04/14/83-02/29/84 MECHANICAL EXPERIMENTS WERE PERFORMED ON A D N T LVDT AND DISK GAGE CALIBRATION DATA; 2) LOAD FRAME HAVING A MAXIMUM LOAD CAPACITY OF 1.8 MN (400 KIP). A CONSTANT ALUMINUM SAMPLE CALIBRATION DATA; 3) DISPLACEMENT RATE OF THE LOADING PISTON IS SAMPLE DATA: 4) BRIEF SAMPLE ACHIEVED BY SERVO-CONTROL OF THE HYDRAULIC DESCRIPTIONS; 5) BRIEF SAMPLE LOADING RAM WHILE MONITORING AN LVDT DESCRIPTIONS - SYMBOLS KEY; 6) EXPERIMENTAL DATA - FULLY SATURATED (LINEAR VARIABLE DISPLACEMENT TRANSFORMER) SAMPLES: 7) EXPERIMENTAL DATA - WET AT THE BASE OF LOADING COLUMN. THE THIRTY-FIVE TEST SPECIMENS WERE ALL RIGHT SAMPLES; 8) STATIC MECHANICAL PROPERTIES OF GU-3 760.9 SAMPLES; 9) ULTRASONIC CIRCULAR CYLINDERS MACHINED FROM DRILLHOLE USW GU-3 CORE MATERIAL. SAMPLES WERE VELOCITY DATA; 10) DYNAMIC ELASTIC MODEL SATURATED OR PARTIALLY SATURATED. (SEE OF GU-3 760.9 SAMPLES COMPRESSION TEST. SAND83-1646, PAGES 5-9 FOR MORE DETAIL) ACON/DEVL LOCATION : SNL, ALBUQUERQUE, NM

					A U L T A O
	si	TE CHARACTERI	ZATION PLAN BASELIN	E	ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION		ACON/DEVL PERIOD	ACQN/DEVL METHOD	YII PEO EDN
SNSAND84086000.000	PETROLOGICAL, MINERALOGICAL,	MECHANICAL	08/30/83-02/28/85	DATA FOR MECHANICAL PROPERTIES WAS	DNT

AND BULK PROPERTIES OF LITHOPHYSAL TUFF. OBTAINED FROM TESTS PERFORMED IN COMPRESSION AT ATMOSPHERIC PRESSURE AND ROOM TEMPERATURE (23 DEGREES C.), AND A NOMINAL STRAIN RATE. THESE TESTS WERE PERFORMED ON A LOAD FRAME. PETROLOGIC DATA TABLES WERE OBTAINED FROM INDIVIDUAL STUDIES ON THE TOPOPAH SPRING MEMBER LITHOPHYSAL SAMPLES. CALIBRATION DATA WAS OBTAINED FROM MEASUREMENT GAGES USED IN THE MECHANICAL EXPERIMENTS. STRAIN & STRESS DATA RESULTS FROM THE MECHANICAL EXPERIMENTS ON THE TOPOPAH SPRING MEMBER LITHOPHYSAL SAMPLES. (SEE SAND84-0860 FOR MORE DETAIL).

n

ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM

SNSAND84110100.000 SAND84-1101: "UNIAXIAL AND TRIAXIAL 06/01/83-09/01/83 FIFTY-SEVEN UNIAXIAL AND TRIAXIAL DNT COMPRESSION TEST SERIES ON TOPOPAH COMPRESSION EXPERIMENTS WERE PERFORMED ON SPRING TUFF FROM USW G-4, YUCCA CYLINDRICAL SAMPLES TAKEN FROM THE TOPOPAH MOUNTAIN, NEVADA." NNA.890804.0032 SPRING MEMBER OF THE PAINTBRUSH TUFF FROM DRILLHOLE USW G-4 AT YUCCA MOUNTAIN. ALL SAMPLES WERE 25.4 MM IN DIAMETER, 50.8 MM IN LENGTH, AND 100% WATER SATURATED. ALL SAMPLES DEFORMED IN COMPRESSION AT ROOM TEMPERATURE UNDER CONFINING PRESSURES RANGING FROM ATMOSPHERIC TO 10 MPA AND NOMINAL STRAIN RATES. (FOR MORE DETAIL SEE SAND84-1101).

ACQN/DEVL LOCATION : SNL

454				DÇ	2
SITE CHARACTERIZATION PLAN BASELINE		AU TA AI TF	AO LC IA FT		
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E E C	
SNSAND85070300.000	BULK DENSITY, GRAIN DENSITY, POROSITY, UNIAXIAL AND TRIAXIAL COMPRESSIVE STRENGTH, POISSONS RATIO, AND YOUNGS MODULUS DATA FROM SAND85-0703: "UNIAXIAL AND TRIAXIAL COMPRESSION TEST SERIES ON THE TOPOPAH SPRING MEMBER FROM USW G-2, YUCCA MOUNTAIN, NEVADA"	06/21/85-03/01/87	MECHANICAL TESTS CONDUCTED ON INTACT SAMPLES OF THE TOPOPAH SPRING MEMBER OBTAINED FROM USW G-2 CORE HOLE AT 13 DIFFERENT STRATIGRAPHIC LEVELS. BULK DENSITY DATA OBTAINED VOLUMETRICALLY. GRAIN DENSITIES AND POROSITIES CALCULATED FROM BULK DENSITIES. (FOR MORE DETAIL SEE SAND85-0703)	DN	ч т
	ACQN/DEVL LOCATION : SNL				
SNSAND91703100.000	SAND91-7031: "MINERALOGY, PETROLOGY AND WHOLE-ROCK CHEMISTRY DATA COMPILATION FOR SELECTED SAMPLES OF YUCCA MOUNTAIN TUFFS." NNA.911202.0028	04/01/89-03/01/91	PETROLOGIC, BULK CHEMICAL, AND MINERALOGIC DATA ARE PRESENTED FOR 49 SAMPLES OF TUFFACEOUS ROCKS FROM CORE HOLES USW G-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).	DY	чT

ACQN/DEVL LOCATION : UNM, ALBUQUERQUE, NM

ļ

			ТЪО
			ALC
	SI	TE CHARACTERIZATION PLAN BASELINE	IA
			тгт
			YII
			PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD ACQN/DEVL METHOD	EDN

SNL02030193001.014 MECHANICAL PROPERTIES DATA (GRAIN 10/01/93-01/27/94 STANDARD LABORATORY ROCK MECHANICS AYC DENSITY, POROSITY, UNCONFINED STRENGTH, PROCEDURES AS PER TP-219: "UNCONFINED ELASTIC PROPERTIES, & INDIRECT TENSILE COMPRESSION EXPERIMENTS AT 22 DEGREES C STRENGTH) FOR DRILLHOLE UE25 NRG-4 AND A STRAIN RATE OF 10-E S-1.", ASTM STM SAMPLES FROM DEPTH 378.1 FT. TO 695.8 D3967-92: "SPLITTING TENSILE STRENGTH OF FT. INTACT ROCK CORE SPECIMENS.", ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK.", & ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."

ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT

 SNL02030193001.015
 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, DRY BULK DENSITY, & POROSITY) FOR DRILLHOLE UE25 NRG-4 SAMPLES FROM DEPTH 527.0 FT.
 10/01/93-02/16/94
 ASTM STM D2845-90: "LABORATORY A Y C DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK"., ISRM "SUGGESTED METHODS FOR DETERMINING THE STRENGTH OF ROCK MATERIALS IN TRIAXIAL COMPRESSION: REVISED VERSION", 1983.

ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT

 SNL02030193001.016
 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, & UNCONFINED STRENGTH) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 18.0 FT TO
 01/13/94-03/16/94
 ASTM STM D2845-90: "LABORATORY A Y P DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK.", ISRM "SUGGESTED METHODS FOR DETERMINING 472.9 FT.

ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT

Activity - 8.3.1.15.1.3.2

		456		
	SITE CHARACTER	IZATION PLAN BASELIN	E	D Q A U L T A O A L C I A
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	T F T Y I I P E O E D N
SNL02030193001.017	MECHANICAL PROPERTIES DATA (TENSILE STRENGTH, AVERAGE GRAIN DENSITY, & POROSITY) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 18.0 FT. TO 495.0 FT.	01/13/94-03/18/94	ASTM STM D3967-92: "SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.", AND ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS."	АУС
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVE	ER JUNCTION, VERMONI	2	
SNL02030193001.018	MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, DRY BULK DENSITY & POROSITY) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 344.4 FT.	01/13/94-04/07/94	ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK.", ISRM "SUGGESTED METHODS FOR DETERMINING THE STRENGTH OF ROCK MATERIALS IN TRIAXIAL COMPRESSION: REVISED VERSION", 1983.	АУС
	ACQN/DEVL LOCATION : NER, INC., WHITE RIVE	ER JUNCTION, VERMONI	2	

1

03/15/94-06/28/94 STANDARD LABORATORY ROCK MECHANICS SNL02030193001.019 MECHANICAL PROPERTIES DATA (GRAIN AYP DENSITY, POROSITY, UNCONFINED STRENGTH, CONFINED STRENGTH, ELASTIC PROPERTIES, PROCEDURES AS PER TP-219: "UNCONFINED COMPRESSION EXPERIMENTS AT 22 DEGREES C AND INDIRECT TENSILE STRENGTH) FOR AND A STRAIN RATE OF 10E-5 S-1"; ASTM STM DRILLHOLE USW NRG-7/7A SAMPLES FROM D3967-92: "SPLITTING TENSILE STRENGTH OF DEPTH 507.4 FT. TO 881.0 FT. INTACT ROCK CORE SPECIMENS"; ASTM STM D2845-90: "LABORATORY DETERMINATION OF PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF ROCK"; AND ASTM STM D854-92: "TEST METHOD FOR SPECIFIC GRAVITY OF SOILS".

ACON/DEVL LOCATION : NER, INC.; WHITE RIVER JUNCTION, VERMONT

				μQ
				AUL
				ТАО
SITE CHARACTERIZATION PLAN BASELINE				ALC
				IA
				TFT
				YII
	· _ · _ · _ · _ · _ · _ · · · · ·			PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
* * * * * * * · · · · · ·				

*SNL02030193001.020 MECHANICAL PROPERTIES DATA (ULTRASONIC 03/15/94-07/22/94 ASTM STM D2845-90: "LABORATORY AYP VELOCITIES, STATIC ELASTIC PROPERTIES, DETERMINATION OF PULSE VELOCITIES AND UNCONFINED STRENGTH, TRIAXIAL STRENGTH, ULTRASONIC ELASTIC CONSTANTS OF ROCK." DRY BULK DENSITY & POROSITY) FOR ISRM "SUGGESTED METHODS FOR DETERMINING DRILLHOLE USW NRG-7/7A SAMPLES FROM THE STRENGTH OF ROCK MATERIALS IN TRIAXIAL DEPTH 554.7 FT. TO 1450.1 FT. COMPRESSION: REVISED VERSION", 1983. ASTM STM D3967-92: "SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS.", AND ASTM STM D854-92: "TEST METHOD FOR

SPECIFIC GRAVITY OF SOILS."

ACQN/DEVL LOCATION : NER, INC., WHITE RIVER JUNCTION, VERMONT

 SNL02040687003.001
 MECHANICAL PROPERTY DATA TO ANALYZE THE RESPONSE OF SAMPLES OF UNIT TSW2 TO HIGH TEMPERATURE AND/OR LOW STRAIN RATES. COMPRESSIVE TESTS AT 22 DEGREES CENTIGRADE, 10-9 S-1, PC=PP=0.1 MPA.
 12/14/90-01/22/92
 EP-0002 REV. B: "EFFECTS OF VARIABLE A N C ENVIRONMENTAL CONDITIONS ON COMPRESSIVE MECHANICAL PROPERTIES - HIGH TEMPERATURE/LOW STRAIN RATE EXPERIMENTS." DATED 07/20/88. TP-91, REV. A: "UNCONFINED COMPRESSION EXPERIMENTS AT 22 DEGREES CENTIGRADE AND A STRAIN RATE OF 10-9 S-1." DATED 4/2/90

ACQN/DEVL LOCATION : NEW ENGLAND RESEARCH INC, WHITE RIVER JUNCTION, VT

*SNSAND92011900.000 SAND92-0119 "AN EXPERIMENTAL COMPARISON 09/01/89-12/01/93 EXPERIMENTAL COMPARISONS OF LABORATORY D N P OF LABORATORY TECHNIQUES IN DETERMINING BULK PROPERTIES OF TUFFACEOUS ROCKS." DULK PROPERTIES OF TUFFACEOUS ROCKS." DILK PROPER

ACQN/DEVL LOCATION : NER, WHITE RIVER JUNCTION, VT & SNL

		458	Ĩ	DQ
	SITE CHARACTERI	ZATION PLAN BASELIN	E	A Ũ L I A O A L C I A T F T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	YII PEO EDN
SNSAND92084700.000	SAND92-0847: "THE EFFECT OF FREQUENCY ON YOUNG'S MODULUS AND SEISMIC WAVE ATTENUATION."	05/01/93-07/01/94	EP-002: "EFFECTS OF VARIABLE ENVIRONMENTAL I CONDITIONS ON COMPRESSIVE MECHANICAL PROPERTIES - HIGH TEMPERTURE/LOW STRAIN RATE EXPERIMENTS."	DNP
	ACON/DEVL LOCATION : NER, WHITE RIVER JUNC	CTION, VT & SNL		
Activity - 8.3.1.15	5.1.4			
SNL02060183001.001	MATRIX COMPRESSIVE TESTS TO CHARACTERIZE THE TOPOPAH SPRING MEMBER IN USW G-4.	07/01/83-08/01/83	TESTS PERFORMED ON A LOAD FRAME HAVING A MAXIMUM LOAD CAPACITY OF 1.0 MN (200 KIP). A CONSTANT DISPLACEMENT RATE OF THE LOADING PISTON IS ACHIEVED BY SERVO-CONTROL OF THE HYDRAULIC LOADING RAM WHILE MONITORING A LINEAR VARIABLE DISPLACEMENT TRANSFORMER (LVDT) AT THE BASE OF THE LOADING COLUMN. AXIAL FORCE WAS CALCULATED BY DIVIDING THE FORCE MEASURED ON A STANDARD LOAD CELL BY THE ORIGINAL CROSS-SECTIONAL AREA OF THE SAMPLE. AXIAL & LATERAL STRAIN WERE ALSO CALCULATED. AXIAL FORCE, AXIAL DISPLACEMENT, TRANSVERSE DISPLACEMENT, RAM DISPLACEMENT, AND TIME DATA WERE COLLECTED, REDUCED, AND FLOTTED BY A MINI-COMPUTER, AND STORED ON FLOPPY DISKS. (SEE SAND84-1101 FOR A MORE DETAILED DESCRIPTION.)	ANC

ACQN/DEVL LOCATION : SNL

(

	SITE CHARACTER	IZATION PLAN BASELIN	IE	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	YII PEO EDN
SNL02101283001.001	MATRIX COMPRESSIVE TESTS TO CHARACTERIZE THE TOPOPAH SPRING MEMBER IN USW G-4.	11/07/83-10/05/84	EXPERIMENTS WERE PERFORMED ON A LOAD FRAME WITH A MAXIMUM CAPACITY OF 1.1 MN. CONSTANT DISPLACEMENT RATE OF THE LOADING PISTON WAS ACHIEVED BY SERVO-CONTROL OF THE HYDRAULIC LOADING RAM WITH SERVO-FEEDBACK FROM AN LVDT MOUNTED AT THE TOP OF THE LOADING COLUMN. AXIAL STRESS AND STRAIN WERE CALCULATED. AVERAGE LATERAL STRAIN WAS THEN OBTAINED BY DIVIDING THE AVERAGE DISPLACEMENT BY THE AVERAGE VALUE OF THE ORIGINAL DIAMETER OF THE SAMPLE. AXIAL FORCE, AXIAL DISPLACEMENT, TRANSVERSE DISPLACEMENT, RAM DISPLACEMENT, AND TIME DATA WERE COLLECTED, REDUCED, AND STORED ON MAGNETIC TAPES. (FOR MORE DETAIL SEE SAND84-1101.)	A N C
	ACQN/DEVL LOCATION : TERRA TEK, SALT LAKE	CITY, UT		

*SNL02112293001.001 RESULTS FROM SHEAR STRESS EXPERIMENTS ON 11/01/93-08/17/94 SCIENTIFIC NOTEBOOK FOR NRG FRACTURE A Y P NATURAL FRACTURES FROM NRG-4 & NRG-6. TESTS.

ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM

		460				
				D A T	Q U A	L O
			17	A	L	C
	SITE CHARACTERI	IZATION PLAN BASELIN	1E	-	I.	A
				T V	r T	T T
				P	н Е	ō
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Ē	D	Ň
					-	-
Activity - 8.3.1.15	.1.4.1					
SNSAND80145300.000	SAND80-1453: "ROCK MECHANICS PROPERTIES OF VOLCANIC TUFFS FROM THE NEVADA TEST SITE." NNA.870406.0497	11/01/78-07/01/80	UNIAXIAL AND TRIAXIAL COMPRESSION TEST AT CONSTANT STRAIN-RATE WERE RUN ON SAMPLES OF VOLCANIC TUFF FROM HOLE UE25A#1 AND G-TUNNEL, BOTH LOCATED ON THE NEVADA TEST SITE. TESTING IS ACCOMPLISHED IN A 1.8 GN ULTRA-STIFF, ELECTRO-HYDRAULIC, SERVO-CONTROLLED COMPRESSION TESTING MACHINE. RAM DISPLACEMENT IS USED AS THE PROGRAMMED FEEDBACK VARIABLE. (FOR MORE	D	И	Т

ACQN/DEVL LOCATION : SNL

Activity - 8.3.1.15.1.4.2

1

DETAIL SEE SAND80-1453)

FOR MORE DETAIL.

PRIMED AND (2) UNPRIMED. SEE SAND REPORT

ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM

	SITE CHARACTERI	ZATION PLAN BASELIN	E	D Q A U L T A O A L C I A T F T Y I I P E D
DATA TRACKING NO.	TITLE/DESCRIPTION			
Activity - 8.3.1.15	.1.7.1			
SNF15062689001.001	HIGH PRESSURE FLATJACK EVALUATION, PART OF THE ONGOING G-TUNNEL EQUIPMENT AND INSTRUMENT DEVELOPMENT AND DEMONSTRATION PER EP-0026.	08/03/89-01/10/90	SAFE OPERATING PROCEDURE FOR HIGH PRESSURE FLATJACK TESTING AT G-TUNNEL UNDERGROUND FACILITY, NTS (SOP 11700 8705) & DEVELOPMENTAL FIELD TESTING (DRAFT 06/26/89 - YMP EP-0026 REV 0.). THE FLATJACK CANCELLATION (FC) METHOD IS USED TO MEASURE STRESSES NEAR THE SURFACES OF ROCK MASSES. THE METHOD INVOLVES DISTANCE MEASUREMENTS BEFORE AND AFTER A SLOT IS CUT IN THE ROCK SURFACE. AS THE SLOT IS CUT, THE ROCK CONVERGES SLIGHTLY, A FLATJACK IS INSTALLED IN THE SLOT AND PRESSURIZED TO RETURN THE SLOT DIMENSIONS TO THE PRE-SLOT CUTTING VALUES. FC PRESSURE CAN BE MATHMATICALLY RELATED TO THE STRESS ACTING NORMAL TO THE SLOT. MEASURMENTS WERE TAKEN IN CYCLES.	ANC
	ACQN/DEVL LOCATION : G-TUNNEL, YUCCA MOUNT	CAIN, NEVADA		
Activity - 8.3.1.15	.1.8.1			
SNF28021693001.001	SLTR93-7001, ESTIMATION OF ROCK MASS QUALITY OF THE NORTH RAMP STARTER TUNNEL. (ROCK MASS CLASSIFICATION USING THE "Q" SYSTEM).	04/15/93-07/16/93	PRELIMINARY ROCK MASS QUALITY WAS ASSESSED BASED ON EXAMINATION OF THE TUNNEL USING THE "Q" SYSTEM. (SEE SNL WA-0065 FOR A MORE DETAILED DESCRIPTION).	АУС
	ACQN/DEVL LOCATION : TOP HEADING OF THE NO	ORTH RAMP STARTER TU	NNEL	
**SNF28021693001.004	ANALYSIS OF BLASTING DATA FROM THE NORTH RAMP STARTER TUNNEL - TOP HEADING	04/08/93-03/24/94	THE RELATIONSHIP OF PEAK PARTICLE VELOCITY (PPV) TO SCALED DISTANCE (SD), WHERE SD IS DISTANCE NORMALIZED FOR EXPLOSIVE CHARGE WEIGHT, WAS DEVELOPED. ONLY DATA FROM THE TOP HEADING OF THE NORTH RAMP STARTER TUNNEL, PILOT DRIFT, AND THE NORTH AND SOUTH SLASH ROUNDS WERE USED.	АҮТ
	ACQN/DEVL LOCATION : NTS-FOC/JFT AGAPITO (DFFICE		

(

(

		462				
	SITE CHARACTERI	ZATION PLAN BASELIN	Е	D A T A	2 U I A (I / F /	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Ŷ P E		2 2 7 7
**SNF31120393001.001	ANALYSIS OF BLASTING DATA FROM THE NORTH RAMP STARTER TUNNEL: ALCOVE-1 NEAR-FIELD BLAST PROJECT.	08/01/93-03/25/94	THIS WORK WAS PERFORMED TO SUPPORT BLASTING DESIGN EVALUATIONS, AND INCLUDED MONITORING NEAR-FIELD BLAST VIBRATIONS AND MAKING VIDEO OBSERVATIONS OF BOREHOLES TO DETERMINE THE EXTENT OF DAMAGE FROM THE BLASTING. A QUANTITATIVE CORRELATION OF PEAK PARTICLE VELOCITY WITH ROCK DAMAGE IS GIVEN.	A	YJ	Г
	ACQN/DEVL LOCATION : NTS-FOC/JFT AGAPITO O	FFICE				
Activity - 8.3.1.15	.1.8.2					
SNF28021693001.002	ROCK MASS CLASSIFICATION DATA FOR THE ALCOVE/NORTH RAMP STARTER TUNNEL.	12/09/93-12/09/93	MADE ENGINEERING ESTIMATES IN THE FIELD USING Q SYSTEM AND RMR PARAMETERS.	A	ΥC	2

ACQN/DEVL LOCATION : NTS-YUCCA MTN, ALCOVE/NORTH RAMP STARTER TUNNEL

**SNF28021693001.003 ROCK MASS CLASSIFICATION RESULTS FOR THE 12/13/93-12/16/93 REDUCED DATA FROM ENGINEERING ESTIMATES DҮТ ALCOVE/NORTH RAMP STARTER TUNNEL. USING THE Q AND RMR METHODS.

.

ACQN/DEVL LOCATION : NTS-YUCCA MTN, ALCOVE/NORTH RAMP STARTER TUNNEL

	SITE CHARACTERI	ZATION PLAN BASELIN	Е	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	YII PEO EDN
Activity - 8.3.1.15	9.2.1.2			
**GS900983115212.001	REPORT ON TELEVIEWER LOG AND STRESS MEASUREMENTS IN CORE HOLE USW G-1, NEVADA TEST SITE, DECEMBER 13-22, 1981, J.H. HEALY, S.H. HICKMAN, M.D. ZOBACK, AND W.L. ELLIS	01/01/82-03/21/83	USGS STANDARD COLLECTION METHODS.	DNT
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
**GS900983115212.002	REPORT ON TELEVIEWER LOG AND STRESS MEASUREMENTS IN CORE HOLE USW G-2, NEVADA TEST SITE, OCTOBER-NOVEMBER 1982, BY J.M. STOCK, J.H. HEALY, AND S.H. HICKMAN	01/01/83-01/12/84	USGS STANDARD COLLECTION METHODS.	DNT
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
**GS900983115212.003	REPORT ON TELEVIEWER LOG AND STRESS MEASUREMENTS IN HOLES USW G-3 AND UE-25P1(UE-25P #1), YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY J.M. STOCK, J.H. HEALY, J. SVITEK, AND L. MASTIN	01/01/84-05/10/85	USGS STANDARD COLLECTION METHODS.	DNT
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			

(· ((
		464		DQ AUL TAO
	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.15	.2.2.1			
**GS900983115221.001	ANALYSIS OF THERMAL DATA FROM DRILL HOLES UE25A-3 (UE-25A #3) AND UE25A-1 (UE-25A #1), CALICO HILLS AND YUCCA MOUNTAIN, NEVADA TEST SITE, BY J.H. SASS, A.H. LACHENBRUCH, AND C.W. MASE	01/01/80-06/13/80	USGS STANDARD COLLECTION METHODS.	DNT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS900983115221.002	PRELIMINARY INTERPRETATION OF THERMAL DATA FROM THE NEVADA TEST SITE, BY J.H. SASS AND A.H. LACHENBRUCH	01/01/80-06/13/80	USGS STANDARD COLLECTION METHODS. ANALYSIS OF DATA FROM 60 WELLS IN AND AROUND THE NEVADA TEST SITE, INCLUDING 16 IN THE YUCCA MOUNTAIN AREA	DNT
	ACON/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.16	.1.1.1			
**GS900983116111.001	FLOOD POTENTIAL OF TOPOPAH WASH AND TRIBUTARIES, EASTERN PART OF JACKASS FLATS, NEVADA TEST SITE, SOUTHERN NEVADA,BY R.C. CHRISTENSEN AND N.E. SPAHR	01/01/79-07/31/80	USGS STANDARD TEST METHODS.	DNT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS900983116111.002	PROBABLE MAXIMUM FLOOD STUDY - 1986, BY . U.S. BUREAU OF RECLAMATION.	01/01/83-12/31/86	USGS STANDARD COLLECTION METHODS.	DNC

ACQN/DEVL LOCATION : USGS, DENVER, CO

				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	E	I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
GS910783116111.003	PEAK FLOW ESTIMATE, DATA INCLUDE STREAM CHANNEL MEASUREMENTS AND DISCHARGE ESTIMATES. RECORD INCLUDES SLOPE CONVEYANCE FIELD FORM (NV-300-03 (1989)) , SITE LOCATION MAP, AND ACCOMPANYING PHOTOGRAPH (S) FOR EACH SITE.	08/02/90-08/01/91	INDIRECT METHOD FOR DETERMINING PEAK DISCHARGE OF A STREAM. THIS METHOD USES STREAM CHANNEL MEASUREMENTS AND ESTIMATED FLOW VELOCITY TO COMPUTE THE PEAK DISCHARGE OF A STREAM AFTER THE STREAMFLOW HAS RECEDED. THIS METHOD IS DESCRIBED IN DETAIL IN HP 114, R0, "ESTIMATING STREAMFLOW DISCHARGE", EFFECTIVE DATE 6/8/88, SECTION 4.2.2.	АҮР
	ACQN/DEVL LOCATION : AMARGOSA R. AT HWY 12	7 CXING 50' UPSTREA	M FROM HWY	
GS920183116111.001	UNNAMED TRIBUTARY FROM PINE NUT MTS. TO CARSON RIVER AT FREMONT DRIVE. PEAK FLOW ESTIMATES. DATA INCLUDE STREAM-CHANNEL MEASUREMENTS AND DISCHARGE ESTIMATES. RECORDS INCLUDES SLOPE CONVEYANCE FIELD FORM (NV-300-03, 1989), SITE LOCATION MAP, AND PHOTOGRAPH(S) OF DATA COLLECTION SITE. ACON/DEVL LOCATION : 39 01'32"N 119 42'31"	08/07/91-08/07/91 W	INDIRECT METHOD FOR DETERMINING PEAK DISCHARGE OF A STREAM. THIS METHOD USES STREAM CHANNEL MEASUREMENTS AND ESTIMATED FLOW VELOCITY TO COMPUTE THE PEAK DISCHARGE OF A STREAM AFTER THE STREAMFLOW HAS RECEDED. THIS METHOD IS DESCRIBED IN DETAIL IN HP-114, RO, SECTION 4.2.2.	АҮР
GS920183116111.002	REESE RIVER CANYON NEAR SCHURZ, NV. PEAK FLOW ESTIMATES. DATA INCLUDE STREAM-CHANNEL MEASUREMENTS AND DISCHARGE ESTIMATES. RECORDS INCLUDES SLOPE CONVEYANCE FIELD FORM (NV-300-03, 1989), SITE LOCATION MAP, AND PHOTOGRAPH(S) OF DATA COLLECTION SITE. ACQN/DEVL LOCATION : 38 51'00"N 118 46'54"	 07/01/91-07/01/91 ₩	INDIRECT METHOD FOR DETERMINING PEAK DISCHARGE OF A STREAM. THIS METHOD USES STREAM CHANNEL MEASUREMENTS AND ESTIMATED FLOW VELOCITY TO COMPUTE THE PEAK DISCHARGE OF A STREAM AFTER THE STREAMFLOW HAS RECEDED. THIS METHOD IS DESCRIBED IN DETAIL IN HP-114, R0, SECTION 4.2.2.	АУР
		465		

(---)

(-)

(_____
DΩ AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE IA тгт YII PEO DATA TRACKING NO. TITLE/DESCRIPTION ACON/DEVL PERIOD ACON/DEVL METHOD EDN GS920183116111.003 UNNAMED TRIBUTARY TO JUMBO CREEK AT NEW 08/05/91-08/05/91 INDIRECT METHOD FOR DETERMINING PEAK AYP WASHOE CITY, NV. PEAK FLOW ESTIMATES. DISCHARGE OF A STREAM. THIS METHOD USES DATA INCLUDE STREAM-CHANNEL MEASUREMENTS STREAM CHANNEL MEASUREMENTS AND ESTIMATED AND DISCHARGE ESTIMATES. RECORDS FLOW VELOCITY TO COMPUTE THE PEAK INCLUDES SLOPE CONVEYANCE FIELD FORM DISCHARGE OF A STREAM AFTER THE STREAMFLOW (NV-300-03, 1989), SITE LOCATION MAP, HAS RECEDED. THIS METHOD IS DESCRIBED IN AND PHOTOGRAPH (S) OF DATA COLLECTION DETAIL IN HP-114, R0, SECTION 4.2.2. SITE. ACON/DEVL LOCATION : 39 17'09"N 119 45'04"W GS920183116111.004 JUMBO CREEK AT NEW WASHOE CITY, NV. PEAK 08/05/91-08/05/91 INDIRECT METHOD FOR DETERMINING PEAK AYP FLOW ESTIMATES. DATA INCLUDE DISCHARGE OF A STREAM. THIS METHOD USES STREAM-CHANNEL MEASUREMENTS AND STREAM CHANNEL MEASUREMENTS AND ESTIMATED DISCHARGE ESTIMATES. RECORDS INCLUDES FLOW VELOCITY TO COMPUTE THE PEAK SLOPE CONVEYANCE FIELD FORM (NV-300-03, DISCHARGE OF A STREAM AFTER THE STREAMFLOW 1989), SITE LOCATION MAP, AND HAS RECEDED. THIS METHOD IS DESCRIBED IN PHOTOGRAPH(S) OF DATA COLLECTION SITE. DETAIL IN HP-114, R0, SECTION 4.2.2. ACON/DEVL LOCATION : 39 16'58"N 119 44'50"W GS920183116111.005 UNNAMED WASH JUST SOUTH OF HOT SPRINGS 08/07/91-08/07/91 INDIRECT METHOD FOR DETERMINING PEAK AYP MTN., CARSON VALLEY, NV. PEAK FLOW DISCHARGE OF A STREAM. THIS METHOD USES ESTIMATES. DATA INCLUDE STREAM-CHANNEL STREAM CHANNEL MEASUREMENTS AND ESTIMATED MEASUREMENTS AND DISCHARGE ESTIMATES. FLOW VELOCITY TO COMPUTE THE PEAK RECORDS INCLUDES SLOPE CONVEYANCE FIELD DISCHARGE OF A STREAM AFTER THE STREAMFLOW FORM (NV-300-03, 1989), SITE LOCATION HAS RECEDED. THIS METHOD IS DESCRIBED IN

DETAIL IN HP-114, RO, SECTION 4.2.2.

ACON/DEVL LOCATION : 39 02'46"N 119 42'51"W

MAP .

				DQ AUL TAO	
	SITE CHARACTERI	ZATION PLAN BASELIN	E		
DATA TRACKING NO.	DATA TRACKING NO. TITLE/DESCRIPTION ACON/DEVL PERIOD ACON/DEVL METHOD				
GS920183116111.006	UNNAMED TRIBUTARY TO WASHOE LAKE FROM VIRGINIA RANGE NEAR NEW WASHOE CITY, NV. PEAK FLOW ESTIMATES. DATA INCLUDE STREAM-CHANNEL MEASUREMENTS AND DISCHARGE ESTIMATES. RECORDS INCLUDES SLOPE CONVEYANCE FIELD FORM (NV-300-03, 1989), SITE LOCATION MAP, AND PHOTOGRAPH(S) OF DATA COLLECTION SITE.	08/05/91-08/05/91	INDIRECT METHOD FOR DETERMINING PEAK DISCHARGE OF A STREAM. THIS METHOD USES STREAM CHANNEL MEASUREMENTS AND ESTIMATED FLOW VELOCITY TO COMPUTE THE PEAK DISCHARGE OF A STREAM AFTER THE STREAMFLOW HAS RECEDED. THIS METHOD IS DESCRIBED IN DETAIL IN HP-114, R0, SECTION 4.2.2.	АУР	
	ACQN/DEVL LOCATION : 39 17'35"N 119 46'06"	W			
GS930583116111.001	FLOOD POTENTIAL OF FORTYMILE WASH AND ITS PRINCIPAL SOUTHWESTERN TRIBUTARIES, NEVADA TEST SITE, SOUTHERN NEVADA, BY ROBERT R. SQUIRES AND RICHARD L. YOUNG	01/01/82-01/10/83	REGIONAL ANALYSIS OF STREAMFLOW RECORDS USED TO ESTIMATE 100- AND 500-YEAR DISCHARGES. WATER-SURFACE ALTITUDES WERE ESTIMATED BY SLOPE-CONVEYANCE COMPUTATION.	DNT	
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS931183116111.002	NEVADA TEST SITE FLOOD INUNDATION STUDY - PART OF U.S. GEOLOGICAL SURVEY FLOOD POTENTIAL AND DEBRIS HAZARD STUDY, YUCCA MOUNTAIN SITE, BY JAMES O. BLANTON III.	06/07/91-05/24/92	DEVELOPED USING PROBABLE MAXIMUM FLOOD TECHNIQUE AND METHOD DEFINED IN RECLAMATION TECHNICAL PROCEDURE YMP-USBR HP-03,R0, SPECIAL PROCESS FOR DETERMINING WATER SURFACE PROFILES AND FLOOD INUNDATED SURFACE AREAS.	DNC	
	ACQN/DEVL LOCATION : USBR, DENVER, CO				
GS931183116111.003	NEVADA TEST SITE PROBABLE MAXIMUM FLOOD STUDY - PART OF U.S. GEOLOGICAL SURVEY FLOOD POTENTIAL AND DEBRIS HAZARD STUDY, YUCCA MOUNTAIN SITE, BY KENNETH L. BULLARD.	06/07/91-05/24/92	DEVELOPED USING PROBABLE MAXIMUM FLOOD TECHNIQUE WHICH COMPLIES WITH ANSI STANDARD FOR DETERMINING DESIGN BASIS FLOODING AT POWER REACTOR SITES.	DNC	
	ACQN/DEVL LOCATION : USBR, DENVER, CO				

(-)

(_____

		468		
	STWE CUARACTER	TANTON DI MU DACET IN		DQ AUL TAO ALC
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	IA TFT YII PEO EDN
Activity - 8.3.1.16	5.2.1.4			
GS910983116214.001	COMPUTER SIMULATIONS FOR REPORT ENTITLED "SIMULATED EFFECTS OF PUMPING WELLS J-13 AND J-12 IN THE VICINITY OF YUCCA MOUNTAIN" BY JOHN B. CZARNECKI	08/01/91-08/31/91	COMPUTER SIMULATION MODELING USING MODFE. SIMULATION OF VARIOUS WITHDRAWAL RATES USING A TWO-DIMENSIONAL, SUBREGIONAL, FINITE-ELEMENT MODEL OF GROUND-WATER FLOW.	DNT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.17	.2.1.2			
**GS900983117212.001	A SLINGRAM SURVEY AT YUCCA MOUNTAIN ON THE NEVADA TEST SITE, BY VINCENT J. FLANIGAN.	01/01/80-12/31/80	USGS STANDARD COLLECTION METHODS. ELECTROMAGNETIC (EM) DATA PRESENTED IN THIS REPORT IS PART OF A STUDY BY THE USGS AIMED AT EVALUATING THE MIOCENE (?) AND PLIOCENE YUCCA MOUNTAIN MEMBER OF VARIOUS UNITS OF THE PAINTBRUSH TUFF IN THE VICINITY OF YUCCA MOUNTAIN AS A POSSIBLE REPOSITORY FOR NUCLEAR WASTES.	DNT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.17	.3.1			
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL	01/01/83-11/06/84	USGS STANDARD METHODS.	DNT

STABILITY, SUBSURFACE DRILLING & MINING

(

ACQN/DEVL LOCATION : USGS, MENLO PARK, CA

DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		
Activity - 8.3.1.17	.3.1.1				
*GS940783117312.001	PRELIMINARY TABLE OF PARAMETERS FOR KNOWN AND SUSPECTED QUATERNARY FAULTS IN THE YUCCA MOUNTAIN REGION	01/10/94-06/30/94	PARAMETERS FOR FAULTS WITHIN 25 KM OF YUCCA MTN. ARE BASED ON PRELIMINARY RESULTS OF PALEOSEISMIC INVESTIGATIONS AND SITE CHARACTERIZATION ACTIVITIES, WHEREAS THE ACTIVITIES AND PARAMETERS OF REGIONAL FAULTS ARE BASED MOSTLY ON LITERATURE REVIEWS AND RECONNAISSANCE INVESTIGATIONS	DNP	
	ACON/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.17	.3.1.2				
*GS940783117312.001	PRELIMINARY TABLE OF PARAMETERS FOR KNOWN AND SUSPECTED QUATERNARY FAULTS IN THE YUCCA MOUNTAIN REGION	01/10/94-06/30/94	PARAMETERS FOR FAULTS WITHIN 25 KM OF YUCCA MTN. ARE BASED ON PRELIMINARY RESULTS OF PALEOSEISMIC INVESTIGATIONS AND SITE CHARACTERIZATION ACTIVITIES, WHEREAS THE ACTIVITIES AND PARAMETERS OF REGIONAL FAULTS ARE BASED MOSTLY ON LITERATURE REVIEWS AND RECONNAISSANCE INVESTIGATIONS	D N P	
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
*GS940883117312.002	THERMOLUMINESCENCE DATA FOR SAMPLES ASSIGNED LAB NUMBERS OF TL-01 THROUGH TL-21, OBTAINED APRIL '93 TO MAY '94	04/12/93-05/20/94	USGS TECHNICAL PROCEDURE GCP-29,R0, THERMOLUMINESCENCE DATING	АҮР	
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
*GS940983117312.003	X-RAY FLUORESCENCE ELEMENTAL COMPOSITIONS (9/16/94) IN SUPPORT OF THERMOLUMINESCENCE DATING.	09/16/94-09/16/94	USGS TECHNICAL PROCEDURE GCP-25,R0, DETERMINATION OF CHEMICAL COMPOSITION BY ENERGY DISPERSIVE X-RAY FLUORESCENCE SPECTROMETRY.	АҮР	
	ACON/DEVL LOCATION : USGS, DENVER, CO				

(____

(-)

		470		ро
				A Ũ L T A O A L C
	SITE CHARACTERI	ZATION PLAN BASELIN	E	I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
Activity - 8.3.1.17	.3.3			
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	DNT
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
Activity - 8.3.1.17	.3.3.2			
SNF0800000001.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE CONTACT.	06/22/89-06/22/89	TEST WAS UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	AN P
	ACQN/DEVL LOCATION : NRDA FIRE STATION - A	REA 25/NTS		
SNF0800000002.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE AMARILLO.	06/27/89-06/27/89	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	AN P

ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS

SITE CHARACTERIZATION PLAN BASELINE					
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PE EC	:0)N
SNF0800000003.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE ALAMO.	07/07/88-07/07/88	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	A N	IP
	ACQN/DEVL LOCATION : NRDA FIRE STATION -	AREA 25/NTS			
SNF08000000004.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE DAHLHART.	10/13/88-10/13/88	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	A N	I P
	ACQN/DEVL LOCATION : NRDA FIRE STATION -	AREA 25/NTS			
SNF0800000005.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE KEARSARGE.	08/17/88-08/17/88	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE ON AN ANALOG TAPE.	AN	P
	ACON/DEVL LOCATION : NRDA FIRE STATION -	AREA 25/NTS			

-

(-

(_____

472					
				D Q A U T J A I	} J L A O L C
	SITE CHARACTERI	ZATION PLAN BASELIN	E	J	I A
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACON/DEVI. METHOD	T F Y J P F E I	FT LI EO DN
SNF0800000006.000	DIGITIZING/DATA REDUCTION PLOTS AND DATA FROM UNE BULLION.	06/13/90-03/18/91	DATA REDUCED AND DIGITIZED USING TECHNICAL PROCEDURE (TP) 82, REV. C: PROCEDURE FOR ACQUIRING, DITIGIZING, PROCESSING, STORING GROUND MOTION DATA FROM UNDERGROUND NUCLEAR EXPLOSIONS.	DN	1 P
	ACQN/DEVL LOCATION : SNL				
SNF08000000007.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE BULLION.	06/13/90-06/13/90	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	A N	1 P
	ACON/DEVL LOCATION : NRDA FIRE STATION - A	REA 25/NTS			
SNF0800000008.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE COMSTOCK.	06/02/88-06/02/88	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	AN	1 P
ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS					

	SITE CHARACTERIZATION PLAN BASELINE				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD		
SNF0800000009.000	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.	ΑΝΡ	
	ACQN/DEVL LOCATION : NRDA FIRE STATION -	AREA 25/NTS			
SNF0800000010.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE DELAMAR.	04/18/87-04/18/87	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	ANP	
	ACQN/DEVL LOCATION : NRDA FIRE STATION -	AREA 25/NTS			
SNF0800000011.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE KERNVILLE.	02/15/88-02/15/88	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	A N P	
	ACQN/DEVL LOCATION : NRDA FIRE STATION -	AREA 25/NTS			

 $(\$

		474			
				DQ AUL TAO ALC	
SITE CHARACTERIZATION PLAN BASELINE T Y				I A T F T Y I I	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN	
SNF0800000012.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE LOCKNEY.	09/24/87-09/24/87	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	A N P	
	ACQN/DEVL LOCATION : NRDA FIRE STATION -	AREA 25/NTS			
SNF0800000013.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE HARDIN.	04/30/87-04/30/87	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	ΑΝΡ	
	ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS				
SNF0800000014.000	9 TRACK MAGNETIC TAPE OF UNE-GENERATED GROUND MOTION DATA FROM UNE TAHOKA.	08/13/87-08/13/87	TEST WAS AN UNDERGROUND NUCLEAR EXPLOSION (UNE). COLLECTION METHOD CONSISTS OF SENSING UNE-GENERATED GROUND MOTIONS WITH ACCELEROMETERS WHICH CONVERT MOTION TO ELECTRICAL SIGNALS WHICH ARE AMPLIFIED, MULTIPLEXED AND TRANSMITTED VIA FM SIGNAL TO CENTRAL SITE WHERE SIGNALS ARE RECORDED ON AN ANALOG TAPE.	ANP	

ACQN/DEVL LOCATION : NRDA FIRE STATION - AREA 25/NTS

{

SITE CHARACTERIZATION PLAN BASELINE				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
SNF08000000015.000	COMPONENT GROUND MOTION AT THE NEVADA TEST SITE FROM PAHUTE MESA UNDERGROUND NUCLEAR EXPLOSIONS	01/01/70-12/31/89	ACQUISITION, DIGITIZING, PROCESSING, STORAGE, AND RETRIEVAL OF GROUND MOTION DATA IS DESCRIBED IN EP-0038: "EXPERIMENT PROCEDURE (EP) FOR ACQUIRING, DIGITIZING, PROCESSING, STORING AND RETRIEVING GROUND MOTION DATA FROM UNDERGROUND NUCLEAR EXPLOSIONS". THIS EP CROSS-REFERENCES TECHNICAL PROCEDURE: TP-209 AND TP-211 THROUGH TP-214.	ANC
	ACQN/DEVL LOCATION : TESTING SOURCE AREAS:	PAHUTE MESA AND Y	UCCA FLAT	
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).	DNC
	ACQN/DEVL LOCATION : URS/JOHN A. BLUME & A	SSOC., ENGINEERS.		
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).	DNT
	ACQN/DEVL LOCATION : SNL			

(-)

DΩ AUL TAO ALC ΙΑ SITE CHARACTERIZATION PLAN BASELINE TFT YII PEO EDN ACQN/DEVL PERIOD ACQN/DEVL METHOD DATA TRACKING NO. TITLE/DESCRIPTION ------ - - -_____ Activity - 8.3.1.17.3.5 01/01/83-11/06/84 USGS STANDARD METHODS. DNT **GS900908314211.007 A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING ACON/DEVL LOCATION : USGS, MENLO PARK, CA Activity - 8.3.1.17.3.5.2 01/01/85-05/21/85 REGRESSION MODEL SIMILAR TO BAKUN AND GS930583117352.001 A STUDY OF GROUND MOTION ATTENUATION IN DNC JOYNER (1984, BULLETIN OF THE THE SOUTHERN GREAT BASIN, SEISMOLOGICAL SOCIETY OF AMERICA), USED TO NEVADA-CALIFORNIA, USING SEVERAL TECHNIQUES FOR ESTIMATES OF QS, LOG AO, EVALUATE DECAY OF VERTICAL COMPONENT PEAK AMPLITUDES IN THE SOUTHERN GREAT BASIN. AND CODA Q, BY A.M. ROGERS, S.C. ABILITY OF MODEL TO EXTRACT CORRECT HARMSEN, R.B. HERRMANN, AND M.E. ATTENUATION BY STOCHASTIC SIMULATION. MEREMONTE COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.

ACQN/DEVL LOCATION : USGS, DENVER, CO

1

DATA TRACKING NO.	SITE CHARACTERI	ZATION PLAN BASELIN ACON/DEVL PERIOD	ACON/DEVI. METHOD	D Q A U L T A O A L C I A T F T Y I I P E O

Activity - 8.3.1.17	.3.6			
**G5900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/83-11/06/84	USGS STANDARD METHODS.	DNT
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.	DNC

ACQN/DEVL LOCATION : USGS, DENVER, CO

_

(

DО AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE ΙΑ ТЕТ YII PEO DATA TRACKING NO. TITLE/DESCRIPTION ACON/DEVL PERIOD ACON/DEVL METHOD EDN _____ -----Activity - 8.3.1.17.4.1 01/01/83-11/06/84 USGS STANDARD METHODS. **GS900908314211.007 A SUMMARY OF GEOLOGIC STUDIES THROUGH DNT JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING ACON/DEVL LOCATION : USGS, MENLO PARK, CA Activity - 8.3.1.17.4.1.1 GS900983117411.001 SOUTHERN GREAT BASIN SEISMOLOGICAL DATA 01/01/81-06/21/81 USGS STANDARD COLLECTION METHODS. DNC REPORT FOR 1980 AND PRELIMINARY DATA EARTHQUAKE DATA FOR THE CALENDAR YEAR 1980 ANALYSIS, BY A.M. ROGERS, S.C. HARMSEN, AND EARTHQUAKES OCCURING WITHIN AND AND W.J. CARR. ADJACENT TO THE SOUTHERN NEVADA SEISMOGRAPH NETWORK. ACQN/DEVL LOCATION : USGS, DENVER, CO **GS900983117411.002 A STUDY OF SURFACE AND SUBSURFACE GROUND 01/01/80-12/31/80 USGS STANDARD COLLECTION METHODS. DNT MOTIONS AT CALICO HILLS, NEVADA TEST SITE, BY KENNETH W. KING

ACON/DEVL LOCATION : USGS, DENVER, CO

478

.

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

_

 $(\$

480					
	SITE CHARACTERIZATION PLAN BASELINE				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I P E E C 	I O N
**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	DN	T

ACQN/DEVL LOCATION : USGS, DENVER, CO

	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	DQ AUL TAO ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
Activity - 8.3.1.17	.4.1.2			
GS900983117411.001	SOUTHERN GREAT BASIN SEISMOLOGICAL DATA REPORT FOR 1980 AND PRELIMINARY DATA ANALYSIS, BY A.M. ROGERS, S.C. HARMSEN, AND W.J. CARR.	01/01/81-06/21/81	USGS STANDARD COLLECTION METHODS. EARTHQUAKE DATA FOR THE CALENDAR YEAR 1980 AND EARTHQUAKES OCCURING WITHIN AND ADJACENT TO THE SOUTHERN NEVADA SEISMOGRAPH NETWORK.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS900983117412.003	A SEISMIC STUDY OF YUCCA MOUNTAIN AND VICINITY, SOUTHERN NEVADA, DATA REPORT AND PRELIMINARY RESULTS, BY LYNN R. HOFFMAN AND WALTER D. MOONEY	01/01/83-06/23/83	SIESMIC REFRACTION AND SHOTPOINT DEPLOYMENT RECORDINGS.	DNT
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
GS900983117412.047	LOCATION REFINEMENT OF EARTHQUAKES IN THE SOUTHWESTERN GREAT BASIN, 1931-1974, AND SEISMOTECTONIC CHARACTERISTICS OF SOME OF THE IMPORTANT EVENTS, BY G.W. GAWTHROP AND W.J. CARR	01/01/87-01/01/88	USGS STANDARD COLLECTION METHODS.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS901283117412.008	EARTHQUAKE DATA - DECEMBER 3 TO DECEMBER 7, 1990. DEVELOCORDER FILM.	12/03/90-12/07/90	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			

((482	. (
	SITE CHARACTERI	ZATION PLAN BASELIN	IE	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
GS910183117412.007	SEISMIC DATA - REGIONAL - NOVEMBER 20, 1990 TO JANUARY 13, 1991. MAGNETIC TAPES.	11/20/90-01/13/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
GS910183117412.009	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN EARTHQUAKE DATA - DECEMBER 7, 1990 - JANUARY 22, 1991. DEVELOCORDER FILM.	12/07/90-01/22/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
GS910283117412.005	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVES TAPES. NOVEMBER 31, 1990 - FEBRUARY 16, 1991.	11/30/90-02/16/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АУС
GS910283117412.006	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN EARTHQUAKE DEVELOCORDER FILMS. DECEMBER 11-DECEMBER 15, 1990, DECEMBER 19-DECEMBER 25, 1990, DECEMBER 29-DECEMBER 31, 1990, JANUARY 22-JANUARY	12/11/90-02/13/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АУР
GS910383117412.010	28, 1991, FEBRUARY 1-FEBRUARY 13, 1991. ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES: L1092B-L1094B, DATES: FEBRUARY 17-MARCH 3, 1991.	02/17/91-03/03/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АУР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			

SITE CHARACTERIZATION PLAN BASELINE				DQ AUL TAO ALC IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T F T Y I I P E O E D N
GS910383117412.011	EARTHQUAKE DEVELOCORDER FILMS (33 BOXES) . DATES: OCTOBER 2-4, 1990, NOVEMBER 3-5, 1990, NOVEMBER 7-9, 1990, FEBRUARY 3-5, 1991, FEBRUARY 27-MARCH 7, 1991.	10/02/90-03/07/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АХР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910383117412.012	DEVELOCODER FILMS, 27 BOXES, MARCH 7 TO MARCH 25, 1991 - EARTHQUAKE DEVELOCODER FILM.	03/07/91-03/25/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АУР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910383117412.013	DIGITAL ARCHIVE TAPES, 4 TAPES, L1095B-L1098B, MARCH 1 TO MARCH 14, 1991, SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES.	03/01/91-03/14/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910483117412.014	42 EARTHQUAKE DEVELOCORDER FILMS. DATES: 03/29/-04/24.	03/29/91-04/24/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910483117412.015	7 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. NUMBERED: L1099-L1105. DATES: 03/15/91-04/25/91.	03/15/91-04/25/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АУР
	ACON/DEVL LOCATION : SOUTHERN GREAT BASIN			

_

(

(

(-)

(((
		484		
				DQ AUL TAO
	SITE CHARACTERI	ZATION PLAN BASELIN	₹E.	IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
GS910583117412.016	20 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L033-L041, L043, L044, L045, L091, L095, L460, L461, L480, L490, L491, L492. DATES: 1/10/83 TO 12/28/84.	01/10/83-12/28/84	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANP
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.017	31 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L501-L504, L506-L532. DATES: 1/1/85-1/1/86.	01/01/85-01/01/86	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ΑΝΡ
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.018	40 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L600-L639. DATES: 1/2/86-12/31/86.	01/02/86-12/31/86	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ΑΝΡ
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.019	29 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L640-L642, L643-L645, L647-L669. DATES: 1/01/87 - 12/31/87.	01/01/87-12/31/87	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANC
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			

				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
GS910583117412.020	57 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L800-L856. DATES: 1/01/88-8/29/88.	01/01/88-08/29/88	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANC
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.021	44 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: 1857-1900. DATES: 8/29/88-12/30/88.	08/29/88-12/30/88	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANC
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.022	129 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L901-L1029. DATES: 12/30/88-12/30/89.	12/30/88-12/30/89	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANC
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.023	51 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L1030-L1080. DATES: 01/02/90-12/04/90.	01/02/90-12/04/90	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANC
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.024	1419 EARTHQUAKE DEVELOCORDER FILMS. DATES 4/1/73-1/2/80.	04/01/73-01/02/80	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANP

×

ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN

 $(\overline{}$

485

		486		
				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	E	I A T F T
				YII
		NON (DRIFT DEDICO		PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL MEIHOD	E D N
GS910583117412.025	549 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/80-1/2/81.	01/02/80-01/02/81	SOUTHERN GREAT BASIN SEISMIC NETWORK	ANP
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.026	546 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/81-1/2/82.	01/02/81-01/02/82	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANP
	ACON/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.027	549 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/82-1/2/83.	01/02/82-01/02/83	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ΑΝΡ
	ACON/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.028	546 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/83-1/2/84.	01/02/83-01/02/84	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANP
	ACON/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.029	545 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/84-1/2/85.	01/02/84-01/02/85	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANP
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.030	545 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/85-1/2/86.	01/02/85-01/02/86	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANP

ł

Ļ

. 878

ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN

t

	SITE CHARACTERI	ZATION PLAN BASELIN	E	D Q A U L T A O A L C I A T F T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVI. METHOD	Y I I P E O E D N
GS910583117412.031	521 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/86-1/1/87.	01/02/86-01/01/87	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANP
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.032	521 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/1/87-1/2/88.	01/01/87-01/02/88	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANC
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.033	549 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/88-1/2/89.	01/02/88-01/02/89	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANC
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.034	543 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/2/89-12/30/89.	01/02/89-01/01/90	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANC
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.035	552 EARTHQUAKE DEVELOCORDER FILMS. DATES 1/1/90-1/2/91.	01/01/90-01/01/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANC
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.036	EARTHQUAKE DEVELOCORDER FILMS. DATES: MAY 2, 1991-MAY 12, 1991 (18 BOXES).	05/02/91-05/12/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			

(

(-)

 \leftarrow

		488		D 0
				A U L T A O A L C
SITE CHARACTERIZATION PLAN BASELINE				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	
GS910583117412.037	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. L1106B, DATES: APRIL 18, 1991-MAY 2, 1991.	04/18/91-05/02/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АУР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910583117412.044	34 SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES NUMBERED: L001-L032, L054, AND L059. DATES: 9/16/81-12/30/82.	09/16/81-12/30/82	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANP
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910683117412.038	EARTHQUAKE DEVELOCORDER. DATES: MAY 16, 1991 - MAY 30, 1991, JUNE 1, 1991-JUNE 11, 1991.	05/16/91-06/11/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АУР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910683117412.039	SOUTHERN GREAT BASIN LOCAL EARTHQUAKES ARCHIVE TAPES. DATES: APRIL 30, 1991-MAY 28, 1991, L1107B-L1111B, 5 TAPES.	04/30/91-05/28/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910783117412.040	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATES: MAY 28, 1991 - JUNE 12, 1991, 6 TAPES L1112B-L1117B.	05/28/91-06/12/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР

ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN

SITE CHARACTERIZATION PLAN BASELINE			DQ AUL TAO ALC IA TFT	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS910783117412.041	EARTHQUAKE DEVELOCORDER FILMS. DATES - JUNE 13, 1991 - JUNE 27, 1991, 21 BOXES.	06/13/91-06/27/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АУР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910883117412.042	EARTHQUAKE DEVELOCORDER FILMS. 60 BOXES. DATES: JULY 3, 1991 - AUGUST 12, 1991.	07/03/91-08/12/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANP
	ACON/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910883117412.043	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATES: JUNE 12, 1991 - JULY 27, 1991. (L1118B-L1129B).	06/12/91-07/27/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	ANP
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910883117412.048	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR DATES AUG. 16, 1991 TO AUG. 29, 1991. L1135B-L1137B.	08/16/91-08/29/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	АУР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910983117412.045	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATES: JULY 16 - AUGUST 16, 1991. (L1130B-L1134B).	07/16/91-08/16/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АУР

ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN

		490		
				D Q A U L T A O
	SITE CHARACTERI	ZATION PLAN BASELIN	E	IA
				TFT
				PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
GS910983117412.046	EARTHQUAKE DEVELOCORDER FILMS. 27 BOXES. DATES: AUGUST 12-AUGUST 30, 1991.	08/12/91-08/30/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910983117412.049	EARTHQUAKE DEVELOCORDER FILMS FOR DATES AUGUST 30, 1991 TO SEPTEMBER 9, 1991.	08/30/91-09/09/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACON/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS910983117412.050	EARTHQUAKE DEVELOCORDER FILMS FOR DATES SEPTEMBER 9, 1991 TO SEPTEMBER 27, 1991.	09/09/91-09/27/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN.			
GS911083117412.051	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN FOR DATES SEPTEMBER 27 THROUGH OCTOBER 11, 1991.	09/27/91-10/11/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACON/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS911083117412.052	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN FOR DATES OCTOBER 11 THROUGH OCTOBER 25, 1991.	10/11/91-10/25/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	АУР
	ACON/DEVL LOCATION : SOUTHERN GREAT BASIN			

SITE CHARACTERIZATION PLAN BASELINE				DQ AUL TAO ALC IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
GS911083117412.053	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR DATES AUGUST 29, THROUGH SEPTEMBER 17, 1991. NUMBERED L1138B-L1142B.	08/29/91-09/17/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS911183117412.054	EARTHQUAKE DEVELOCORDER FILM OF THE SOUTHERN GREAT BASIN FOR THE DATES OCTOBER 29 THROUGH NOVEMBER 14, 1991.	10/29/91-11/14/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS911183117412.055	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR THE DATES SEPTEMBER 17 THROUGH SEPTEMBER 27, 1991.	09/17/91-09/27/91	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
	ACON/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS911183117412.056	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR DATES SEPTEMBER 27 THROUGH NOVEMBER 7, 1991. NUMBERED L1149B-L1156B.	09/27/91-11/07/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS911183117412.057	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN FOR DATES NOVEMBER 16 THROUGH NOVEMBER 26, 1991.	11/16/91-11/26/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			

		492		
				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	IE	IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
GS911283117412.058	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR DATES NOVEMBER 6 THROUGH NOVEMBER 26, 1991.	11/06/91-11/26/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS911283117412.059	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN FOR DATES NOVEMBER 26 THROUGH DECEMBER 12, 1991.	11/26/91-12/12/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920183117412.001	EARTHQUAKE DEVELOCORDER FILM OF THE SOUTHERN GREAT BASIN DATED FROM DECEMBER 12, 1991 TO JANUARY 1, 1992 AND JANUARY 9, 1992 TO JANUARY 15, 1992.	12/12/91-01/01/92 01/09/92-01/15/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920183117412.002	EARTHQUAKE DEVELOCORDER FILM OF THE SOUTHERN GREAT BASIN DATED JANUARY 15 THROUGH JANUARY 29, 1992.	01/15/92-01/29/92	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920283117412.003	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATED JANUARY 29, 1992 THROUGH FEBRUARY 20, 1992.	01/29/92-02/20/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР

ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN

(

(

. (

1 S

DATA TRACKING NO.	SITE CHARACTERI TITLE/DESCRIPTION	ZATION PLAN BASELIN ACQN/DEVL PERIOD	E ACQN/DEVL METHOD	IA TFT YII PEO EDN

**GS920283117412.004	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATED: NOVEMBER 26, 1991 THROUGH JANUARY 31, 1992.	11/26/91-01/31/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮС
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
**GS920383117412.005	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATES: JANUARY 24, 1992 THROUGH FEBRUARY 29, 1992.	01/24/92-02/29/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮС
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920383117412.006	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: APRIL 26 THROUGH MAY 2, 1991.	04/26/91-05/02/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	АУР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920383117412.007	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: MAY 14-16, 1991 AND MAY 30 - JUNE 1, 1991.	05/14/91-05/16/91 05/30/91-06/01/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACON/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920383117412.008	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: JUNE 11 - 13, 1991 AND JUNE 27 - 29, 1991.	06/11/91-06/13/91 06/27/91-06/29/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACON/DEVL LOCATION : SOUTHERN GREAT BASIN			

· · · · · · · · ·

, I

		494		DQ AUL TAO
SITE CHARACTERIZATION PLAN BASELINE				ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVI. METHOD	
GS920383117412.009	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: JULY 1 - 3, 1991.	07/01/91-07/03/91	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920383117412.010	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: JANUARY 1 - 9, 1992.	01/01/92-01/09/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920383117412.011	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: FEBRUARY 20 THROUGH MARCH 17, 1992.	02/20/92-03/17/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920483117412.012	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN DATED MARCH 17 THROUGH AFRIL 12, 1992.	03/17/92-04/02/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
*GS920483117412.013	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES DATED FEBRUARY 29 - MARCH 23, 1992. L1179B - L1183B.	02/29/92-03/23/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮС

ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN

(

*

. (

	SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AUL TAO ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
GS920483117412.014	SEISMICITY AND FOCAL MECHANISMS FOR THE SOUTHERN GREAT BASIN OF NEVADA AND CALIFORNIA.	02/01/91-07/23/91	METHODS OF ANALYSES ARE FOUND IN PROCEDURES SP-01, SP-04, SP-06, SP-11.	DNT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS920483117412.015	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR DATES MARCH 23 THROUGH APRIL 17, 1992. NUMBERED L1184B - L1187B.	03/23/92-04/17/92	SOUTHERN GREAT BASIN SEISMIC NETWORK. ALL PRELIMINARY P-ARRIVALS, S-ARRIVALS AND OTHER MEASUREMENTS WERE MADE USING THE COMPUTER PROGRAM PING.C VERSION 1.003, CID:YMP-USGS/GDD0012.02.	АУС
	ACON/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920483117412.016	SOUTHERN GREAT BASIN EARTHQUAKE DEVELOCORDER FILMS FOR THE DATES APRIL 2 THROUGH APRIL 24, 1992.	04/03/92-04/24/92	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920583117412.018	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN DATED APRIL 24, 1992 THROUGH MAY 14, 1992.	04/24/92-05/14/92	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920583117412.019	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN DATED MAY 14 THROUGH MAY 28, 1992.	05/14/92-05/28/92	SOUTHERN GREAT BASIN SEISMIC NETWORK.	АУР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			

((
		496		
				DQ AUL TAO
	SITE CHARACTERI	ZATION PLAN BASELIN	IE	ALC IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
GS920683117412.020	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: MAY 28 - JUNE 19, 1992 (33 BOXES)	05/28/92-06/19/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	АУР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920783117412.021	EARTHQUAKE DEVELOCORDER FILMS AND SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR EARTHQUAKES RECORDED BETWEEN JAN. 1, 1991 AND DEC. 31, 1991	02/01/92-06/01/92	THIS IS EARTHQUAKE DATA FROM 1991 THAT WERE SELECTED OUT FROM TDIFS COVERING A COMBINATION OF 1990-1991 OR 1991-1992 EARTHQUAKE DATA.	DYP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS920783117412.022	SEISMICITY AND FOCAL MECHANISMS FOR THE SOUTHERN GREAT BASIN OF NEVADA AND CALIFORNIA IN 1991.	02/01/92-06/01/92	METHODS OF ANALYSES AND EXTRAPOLATION ARE AS FOUND IN NWM-USGS TECHNICAL PROCEDURES: SP-01, PRELIMINARY EARTHQUAKE LOCATION PROCEDURE; SP-04, PRELIMINARY EARTHQUAKE MAGNITUDE DETERMINATION PROCEDURE; SP-06, PRELIMINARY DETERMINATION OF EARTHQUAKE FOCAL MECHANISM FROM P-WAVE POLARITIES AND SV/P AMPLITUDES; SP-11, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY	DYT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS920783117412.023	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES JUNE 25-27, 1992, JUNE 29-JULY 17, 1992	06/25/92-07/17/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	AYP

ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN

				DQ AUL TAO ALC
SITE CHARACTERIZATION PLAN BASELINE				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
**GS920783117412.024	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATED: 4/15/92 - 6/24/92 NUMBERED:L1188B - L1200B	04/15/92-06/24/92	ALL PRELIMINARY P-ARRIVALS, S-ARRIVALS, AND OTHER MEASUREMENTS WERE MADE USING THE COMPUTER PROGRAM PING.C VERSION 1.003, CID:YMP-USGS/GDD0012.02. THE PHASE ARRIVALS AND OTHER MEASUREMENTS ARE CONTAINED IN THE "PFILES", I.E., THE FILES HAVING NAMES ENDING IN THE LETTER "P".	АҮС
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920783117412.025	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: JUNE 19-25, JUNE 27-29, 1992	06/19/92-06/29/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
GS920883117412.026	SEISMIC AFTERSHOCK RECORDINGS OF THE LITTLE SKULL MOUNTAIN EARTHQUAKE OF JUNE 29, 1992 (M-5.6)	06/30/92-07/14/92	DEPLOYMENT OF PORTABLE SEISMOGRAPHS	AYC
	ACQN/DEVL LOCATION : 36 43.1'N 116 16.35'W AREA 25 NTS AROUND EP	ICENTER COORDINATES	GIVEN	
GS920883117412.027	SEISMIC AFTERSHOCK RECORDINGS OF THE LITTLE SKULL MOUNTAIN EARTHQUAKE OF JUNE 29, 1992 (M-5.6)	06/30/92-07/14/92	DEPLOYMENT OF PORTABLE SEISMOGRAPHS	AYC
	ACQN/DEVL LOCATION : AREA 25 NTS AROUND EP	ICENTER, 36 43.1'N 1	16 16.35'W	

		498		
				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	NE.	ΪĂ
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
GS920883117412.028	THE LITTLE SKULL MOUNTAIN EARTHQUAKE OF JUNE 29, 1992 - PRELIMINARY REPORT	07/17/92-07/22/92	PRELIMINARY INTERPRETATION OF SEISMOLOGICAL DATA.	DYC
	ACQN/DEVL LOCATION : UNRSL RENO USGS/BGRA			
GS920983117412.029	SEISMIC AFTERSHOCK RECORDINGS OF THE LITTLE SKULL MOUNTAIN EARTHQUAKE OF JUNE 29, 1992 (M=5.6)	07/15/92-08/05/92	DEPLOYMENT OF PORTABLE SEISMOGRAPHS	АҮС
	ACQN/DEVL LOCATION : AREA 25, NTS, AROUND	EPICENTER, 36 43.1N	116 16.35W	
*GS920983117412.031	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES DATED: JUNE 29, 1992 - AUG 7, 1992 NUMBERED: L1201B - L1216B	06/29/92-09/03/92	ALL PRELIMINARY P-ARRIVALS, S-ARRIVALS AND OTHER MEASUREMENTS WERE MADE USING THE COMPUTER PROGRAM PING.C VERSION 1.003, CID: YMP-USGS/GDD0012.02. THE PHASE ARRIVALS AND OTHER MEASUREMENTS ARE CONTAINED IN THE "PFILES", I.E., THE FILES HAVING NAMES ENDING IN THE LETTER "P"	АҮС
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	SEISMIC NETWORK		
GS920983117412.032	SEISMICITY AND FOCAL MECHANISMS FOR THE SOUTHERN GREAT BASIN OF NEVADA AND CALIFORNIA: 1987 THROUGH 1989 BY S.C. HARMSEN AND C.G.BUFE	01/01/90-02/13/91	FOCAL MECHANISMS FROM THIRTY-ONE SGB EARTHQUAKES ARE PRESENTED IN THIS REPORT. PRELIMINARY HYPOCENTER LISTINGS AND SEISMICITY DATA ANALYSIS FROM DATA COLLECTED BY THE SGBSN FOR THE PERIOD AUGUST 1978 THROUGH DECEMBER 1986 ARE PRESENTED IN ROGERS AND OTHERS (1987) AND HARMSEN AND ROGERS (1987). THIS REPORT IS AN ADDENDUM/UPDATE TO THOSE REPORTS.	DNT

ACQN/DEVL LOCATION : USGS/BGRA

(

	F	DQ AUL TAO ALC TA		
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T F T Y I I P E O E D N
GS920983117412.033	EARTHQUAKE DEVELOCORDER FILMS OF THE SOUTHERN GREAT BASIN. DATES: SEPT. 3 - SEPT. 15, 1992	09/03/92-09/15/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
**GS920983117412.034	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES. DATED: JULY 1992 - SEPT. 1992, NUMBERED L1218B - L1234B	07/01/92-09/25/92	ALL PRELIMINARY P-ARRIVALS, S-ARRIVALS AND OTHER MEASUREMENTS WERE MADE USING THE COMPUTER PROGRAM PING.C VERSION 1.003, CID:YMP-USGS/GDD0012.02. THE PHASE ARRIVALS AND OTHER MEASUREMENTS ARE CONTAINED IN THE "P FILES", I.E. THE FILES HAVING NAMES ENDING IN THE LETTER "P".	ΑΥC
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN			
**GS921083117412.035	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES DATED AUG 6, 1992 - SEP 30, 1992. NUMBERED L1217B, L1235B, L1236B, L1237B, L1238B, AND L1239B.	08/06/92-09/30/92	ALL PRELIMINARY P-ARRIVALS, S-ARRIVALS AND OTHER MEASUREMENTS WERE MADE USING THE COMPUTER PROGRAM PING.C VERSION 1.003, CID: YMP-USGS/GDD0012.02. THE PHASE ARRIVALS AND OTHER MEASUREMENTS ARE CONTAINED IN THE "PFILES", I.E., THE FILES HAVING NAMES ENDING IN THE LETTER "P".	АҮС
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	SEISMIC NETWORK		
**GS930183117412.001	SOUTHERN GREAT BASIN LOCAL EARTHQUAKE ARCHIVE TAPES FOR 6/29/92 THROUGH 9/19/92, NUMBERED L1240B-L1246B ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	06/29/92-09/19/92	SOUTHERN GREAT BASIN SEISMIC NETWORK	AYC

ŝ

499

		500		D Q A U L T A O
	SITE CHARACTERI	ZATION PLAN BASELIN	E	ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
GS931083117412.002	SGB LOCAL EARTHQUAKE ARCHIVE TAPES CONTAINING DATA FROM JUNE 1993 THROUGH SEPTEMBER 1993, TAPES L1247 THROUGH L1256.	06/01/93-09/30/93	SP-11,R3, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY	АҮР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	SEISMIC NETWORK		
**GS931083117412.003	PRELIMINARY SEISMICITY AND FOCAL MECHANISMS FOR THE SOUTHERN GREAT BASIN OF NEVADA AND CALIFORNIA: JANUARY 1992 THROUGH SEPTEMBER 1992, BY S.C. HARMSEN	05/01/93-10/13/93	REDUCTION OF SEISMOGRAMS OBTAINED FROM THE SGBSN USING COMPUTER MODEL HYPO71.	DYC
	ACQN/DEVL LOCATION : USGS BELH, GOLDEN, CO)		
GS940183117412.001	SEISMIC EVENT WAVEFORMS FOR THE SOUTHERN GREAT BASIN SEISMIC NETWORK: OCTOBER 1, 1992, TO DECEMBER 31, 1992.	10/01/92-12/31/92	PERMANENT NETWORK OF 62 SEISMIC STATIONS WERE RECORDED AT UNRSL USING CUSP RT (GSP0009.01) NWM-USGS SP-11,R3, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY AND ANALYZED USING TECHNICAL PROCEDURES: NWM-USGS SP-01,R5, EARTHQUAKE LOCATION PROCEDURE, NWM-USGS-SP-04,R3, EARTHQUAKE MAGNITUDE DETERMINATION PROCEDURE.	АУР
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	SEISMIC NETWORK		
GS940283117412.002	DATA PACKAGE ON THE SEISMOLOGICAL FIELD INVESTIGATIONS OF THE 29 JUNE, 1992, LITTLE SKULL MOUNTAIN EARTHQUAKE	07/15/92-12/31/92	APPROXIMATELY 20 PORTABLE SEISMIC STATIONS WHICH USED DIGITAL ACQUISITION HARDWARE TO RECORD SEISMIC DATA. SP-16T,R0, TWO-DIMENSIONAL SEISMIC ARRAY MEASUREMENTS AT YUCCA MTN.	АҮС

(

(

ACQN/DEVL LOCATION : WITHIN A 10-KM RADIUS OF EPICENTER COORDINATES: 36 43.1'N 116 16.35'W

DATA TRACKING NO.	SITE CHARACTERI TITLE/DESCRIPTION	ZATION PLAN BASELIN ACQN/DEVL PERIOD	E ACQN/DEVL METHOD	D Q A U L T A O A L C I A T F T Y I I P E C E D N	
					•
GS940383117412.003	THE 29 JUNE, 1992, LITTLE SKULL MOUNTAIN EARTHQUAKE AND ITS AFTERSHOCK SEQUENCE, BY K. SMITH, ET AL.	06/29/92-02/28/94	DATA FROM PERMANENT SGBSN SITES, UNR PORTABLE SITES, AND USGS PORTABLE SITES WAS COMBINED TO CHARACTERIZE THE LITTLE SKULL MOUNTAIN SEISMIC ACTIVITY	DYP	,
	ACQN/DEVL LOCATION : UNR SEISMOLOGICAL LAB	, RENO, NEVADA			
**GS940683117412.004	SEISMIC EVENT WAVEFORMS FOR THE SOUTHERN GREAT BASIN SEISMIC NETWORK, JANUARY 1, 1993, TO DECEMBER 31, 1993	01/01/93-12/31/93	PERMANENT NETWORK OF 62 SEISMIC STATIONS WERE RECORDED AT UNR SEISMOLOGIC LABS USING CUSP RT (GSP0009.01) AND ANALYZED USING TECHNICAL PROCEDURES: NWM-USGS SP-01,R4 AND R5, PRELIMINARY EARTHQUAKE LOCATION PROCEDURE; SP-04,R2 AND R3, PRELIMINARY EARTHQUAKE MAGNITUDE DETERMINATION PROCEDURE; AND SP-11,R3, OPERATION AND CALIBRATION OF REMOTE TELEMETERED SEISMIC ARRAY	АУС	
	ACQN/DEVL LOCATION : SOUTHERN GREAT BASIN	SEISMIC NETWORK			
*GS940683117412.005	NPE/RYAN REVERSED REFRACTION PROFILE DATA	09/22/93-09/22/93	APPROXIMATELY 50 PORTABLE SEISMIC STATIONS WHICH USED DIGITAL ACQUISITION HARDWARE REFTEK AND EDA TO RECORD SEISMIC DATA. SN-0051 RAINER MESA FIELD BOOK FOR NPE - RYAN - REVERSED REFRACTION EXPERIMENT AND SN-0052, JACKASS FLATS FIELD BOOK FOR NPE - RYAN - REVERSED REFRACTION EXPERIMENT	АУР	F

ACQN/DEVL LOCATION : 36.31N 116.88W ;37.35N 116.21W
(((
		502		D Q A U L T A O
	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	
*GS940983117412.006	YUCCA MOUNTAIN AND CRATER FLAT REFRACTED ARRIVALS FROM LITTLE SKULL MOUNTAIN AFTERSHOCK, BY J.N. BRUNE, L. LI AND R. ANOOSHEHPOOR.	01/01/94-07/29/94	EVALUATION OF REFRACTED TRAVEL TIMES FROM THE LITTLE SKULL MOUNTAIN EARTHQUAKE	DYP
	ACQN/DEVL LOCATION : UNR, RENO, NV			
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.	DNC
	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.	DNC
	ACON/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.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

	SITE CHARACTERI	ZATION PLAN BASELIN	E	D Q A U T A A L T F Y I	L O C A T I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PE ED	0 N -
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.	DN	с
	ACON/DEVL LOCATION : USGS, DENVER, CO.				
Activity - 8.3.1.17	.4.2				
SNSAND892099C0.000	SAND89-2099C: "SYNTHESIS OF STUDIES FOR THE POTENTIAL OF FAULT RUPTURE AT THE PROPOSED SURFACE FACILITIES, YUCCA MOUNTAIN, NEVADA"	06/01/88-12/01/89	SYNTHESIS OF EXISTING DATA. (SEE SAND89-2099C FOR A LIST OF REFERENCES).	DN	с
	ACQN/DEVL LOCATION : SNL				
SNSAND90249100.000	SAND90-2491: "SUMMARY AND EVALUATION OF EXISTING GEOLOGICAL AND GEOPHYSICAL DATA NEAR PROSPECTIVE SURFACE FACILITIES IN MIDWAY VALLEY, YUCCA MOUNTAIN PROJECT, NYE COUNTY, NEVADA"	06/01/89-12/01/90	REVIEW AVAILABLE PUBLISHED AND UNPUBLISHED LITERATURE, MAPS, AND DATA THAT ARE RELEVANT TO EVALUATION OF THE STRATIGRAPHY, STRUCTURE, AND TECTONICS OF THE MIDWAY VALLEY AREA. EMPHASIS WAS PLACED ON : (1) INFORMATION PERTAINING TO THE NATURE AND AGES OF THE QUATERNARY DEPOSITS, SOILS, AND GEOMORPHIC SURFACES; AND (2) THE NATURE AND TIMING OF LATE CENOZOIC FAULTING IN THE REGION.	D N	с

ACQN/DEVL LOCATION : SNL

_

-

t

504 DO AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE ΙΑ TFT YII PEO DATA TRACKING NO. TITLE/DESCRIPTION ACON/DEVL PERIOD ACON/DEVL METHOD EDN _____ -----Activity - 8.3.1.17.4.2.1 **GS900983117421.001 STRATIGRAPHIC AND VOLCANO-TECTONIC 01/01/83-01/27/84 USGS STANDARD COLLECTION METHODS. DNT RELATIONS OF CRATER FLAT TUFF AND SOME OLDER VOLCANIC UNITS, NYE COUNTY, NEVADA, BY W.J. CARR, F.M. BYERS, JR., AND PAUL P. ORKILD ACON/DEVL LOCATION : USGS, DENVER, CO **GS900983117421.002 PRELIMINARY ANALYSIS OF GEOPHYSICAL LOGS 01/01/84-08/20/84 USGS STANDARD COLLECTION METHOD. DNT FROM DRILL HOLE UE-25P#1, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY D.C. MULLER AND J.E. KIBLER ACON/DEVL LOCATION : USGS, DENVER, CO GS930883117421.001 PRELIMINARY TRENCH MAP OF MIDWAY VALLEY 07/01/91-08/13/93 GP-07, R1, CONVENTIONAL MAPPING OF TRENCH A Y C TRENCH 4, EAST WALL ACROSS THE WALLS AND GP-17, R1, DESCRIBING AND PAINTBRUSH CANYON FAULT INCLUDING SOIL SAMPLING SOILS IN THE FIELD. DESCRIPTIONS AND UNIT DESCRIPTIONS (FORMERLY TRENCH 17). ACQN/DEVL LOCATION : MWV-T4 **GS930883117421.002 OUATERNARY DEPOSITS SUBSURFACE SOIL DATA 04/05/92-11/18/93 PROCEDURE GP-17.R1. DESCRIBING AND AYP FROM SOIL PITS MWV-P1 THROUGH MWV-P7. SAMPLING SOILS IN THE FIELD. MWV-P12 THROUGH MWV-P17, MWV-P22 THROUGH MWV-P26, MWV-P28 THROUGH MWV-P33 AND MWV-P37 THROUGH MWV-P40 AT MIDWAY VALLEY. ACQN/DEVL LOCATION : MWV-P1 MWV-P12 MWV-P13 MWV-P14 MWV-P15 MWV-P16 MWV-P17 MWV-P2

DATA TRACKING NO	SITE CHARACTER	IZATION PLAN BASELIN	NE	D Q A U L T A O A L C I A T F T Y I I P E O
	MWV-P22 MWV-P23 MWV-P25 MWV-P26 MWV-P28 MWV-P29 MWV-P30 MWV-P31 MWV-P31 MWV-P33 MWV-P33 MWV-P37 MWV-P38 MWV-P38 MWV-P39 MWV-P40 MWV-P40 MWV-P5 MWV-P7			
GS931183117421.004	SURFICIAL GEOLOGIC MAP OF MIDWAY VALLEY, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA, BY J. WESLING, F. SWAN, T. BULLARD, AND A. THOMAS.	08/01/93-09/30/93	THE SURFICIAL GEOLOGY OF THE MIDWAY VALLEY AREA WAS MAPPED BY DELINEATING MAP UNITS ON AERIAL PHOTOGRAPHS AND EXAMINING THOSE UNITS IN THE FIELD. STEREOSCOPIC PAIRS OF 1:6000-SCALE COLOR AND COLOR-INFRARED AERIAL PHOTOGRAPHS WERE INTERPRETED, AND THE GEOLOGIC CONTACTS WERE TRANSFERRED TO 1:6000-SCALE TOPOGRAPHIC BASE MAPS. FIELD INVESTIGATIONS WERE CONDUCTED TO CHECK THE GEOLOGIC CONTACTS AND TO COLLECT DATA ON THE SURFACE CHARACTERISTICS, SOILS, AND DEPOSITS ASSOCIATED WITH IDENTIFIED MAP UNITS.	DYP
	ACQN/DEVL LOCATION : GEOMATRIX, SAN FRANC	ISCO, CA		

(_____

	N N	506		
	SITE CHARACTER	IZATION PLAN BASELIN	IE	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
*GS940783117421.001	QUATERNARY DEPOSITS SUBSURFACE SOIL DATA FROM MIDWAY VALLEY SOIL PITS MWV-P9, MWV-P19, MWV-P20, AND MWV-P21 (COLLECTED BY S. LUNDSTROM)	08/09/93-08/12/93	GP-17,R1 DESCRIBING AND SAMPLING SOILS IN THE FIELD	АҮР
	ACQN/DEVL LOCATION : MWV-P19 MWV-P20 MWV-P21 MWV-P9			
SNF12000000001.000	PRELIMINARY MAPPING OF SURFICIAL GEOLOGY OF MIDWAY VALLEY, YUCCA MOUNTAIN PROJECT, NYE COUNTY, NEVADA	05/01/89-07/31/91	EXPERIMENT PROCEDURE (EP) 0001, REVISION B: GEOLOGIC SURFACE MAPPING NEAR THE PROSPECTIVE SURFACE FACILITIES	ANC
	ACQN/DEVL LOCATION : MIDWAY VALLEY, NYE CO	DUNTY, NV		
SNF27091592001.001	FRACTURE AND FAULT LOG DESCRIPTIONS FOR DRILL HOLES AT YUCCA MOUNTAIN.	11/16/89-09/20/90	VISUAL EXAMINATION OF DRILL HOLE CORES.	ANC

(

ACQN/DEVL LOCATION : SAMPLE MANAGEMENT FACILITY

				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	Έ	I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17	7.4.2.2			
GS930883117421.001	PRELIMINARY TRENCH MAP OF MIDWAY VALLEY TRENCH 4, EAST WALL ACROSS THE PAINTBRUSH CANYON FAULT INCLUDING SOIL DESCRIPTIONS AND UNIT DESCRIPTIONS (FORMERLY TRENCH 17).	07/01/91-08/13/93	GP-07,R1, CONVENTIONAL MAPPING OF TRENCH WALLS AND GP-17,R1, DESCRIBING AND SAMPLING SOILS IN THE FIELD.	АҮС
	ACQN/DEVL LOCATION : MWV-T4			
GS940183117422.001	PRELIMINARY GEOLOGIC MAP OF EXILE HILL, OCTOBER 1993; LOCATIONS AND ORIENTATION OF BOW RIDGE FAULT, THE NORTHWEST-TRENDING FAULT AND THE CONTACTS BETWEEN CCR, CUC, AND CUL IN THE AREA EAST OF BOREHOLE UE-25 #8	12/01/91-08/31/93	GP-01,R2, GEOLOGIC MAPPING	АҮС
	ACQN/DEVL LOCATION : N762500(N) E569000(N)	;N767500(N) E57050	00 (N)	
*GS940983117422.001	MAPS OF MIDWAY VALLEY TRENCHES MWV-T4, MWV-T5, MWV-T6, AND MWV-T7	06/01/92-11/20/92	NWM-USGS GP-07, R1, CONVENTIONAL MAPPING OF TRENCH WALLS.	7 A Y P
	ACQN/DEVL LOCATION : MWV-T4 MWV-T5 MWV-T6 MWV-T7			

_

(

.

DATA TRACKING NO.	SITE CHARACTERI	SOU ZATION PLAN BASELIN ACON/DEVL PERIOD	ie ACQN/DEVL METHOD	D Q A U L T A O A L C I A T F T Y I I P E O E D N
Activity $- 8 3 1 17$	· 4 3			
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/83-11/06/84	USGS STANDARD METHODS.	DNT
GS940783117462.004	PROFILE DATA ON SCARP MORPHOLOGY FROM STUDY OF TRENCHES AND EXPOSURES, 11/93 - 5/94 ACQN/DEVL LOCATION : A1 BBW-E1 BBW-E2 MWV-T3 MWV-T4 SCR-T1 SCR-T1 SCR-T2 SCR-T3 T-14D T4	11/16/93-05/04/94	GP-52,R0, TOPOGRAPHIC PROFILING OF GEOMORPHIC FEATURES - FIELD MEASUREMENTS	А Ү Р

	SITE CHARACTERIZATION PLAN BASELINE			DQ AUL TAO ALC IA	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN	
Activity - 8.3.1.17	7.4.3.1				
GS900983117431.001	DATA REPORT FOR THE 1985 SEISMIC REFRACTION EXPERIMENT AT YUCCA MOUNTAIN AND VICINITY, SOUTHWESTERN NEVADA, BY VICKIE D. SUTTON.	02/01/85-12/31/85	USGS STANDARD METHODS.	DNC	
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS900983117431.002	RECONNAISSANCE SEISMIC REFRACTION STUDIES AT CALICO HILLS, WAHMONIE, AND YUCCA MOUNTAIN, SOUTHWEST NEVADA TEST SITE, NYE COUNTY, NEVADA, BY LEE PANKRATZ.	12/01/78-12/31/78 09/01/79-09/30/79 01/01/81-12/31/81	REFRACTION SEISMIC EXPERIMENTS.	DNP	
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS900983117431.003	DATA REPORT FOR THE 1983 SEISMIC-REFRACTION EXPERIMENT AT YUCCA MOUNTAIN, BEATTY AND VICINITY, SOUTHWESTERN NEVADA, BY V.D. SUTTON.	01/01/84-08/02/84	USGS STANDARD METHOD. INCLUDES RECORD SECTIONS FROM THE TEN SHOTPOINTS, A LIST OF SHOTPOINT LOCATIONS AND TIMES, DKDAT DATA FILES AND TAPE GRADE CODE AND A LIST OF FIRST-ARRIVAL TRAVEL TIME PICKS.	DNC	
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
GS910983117431.002	LINEAMENTS STUDIES FOR QUATERNARY AND LATE TERTIARY DEPOSITS.	03/01/87-03/31/87	USGS STANDARD COLLECTION METHOD.	ANC	
	ACQN/DEVL LOCATION : WALKER LAKE				

(-

(((
		510		
				D Q A U L T A O A L C
	SITE CHARACTERI	ZATION PLAN BASELIN	E	IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
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.	DNC
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
GS920883117431.001	AERIAL PHOTOGRAPHIC INTERPRETATION OF LINEAMENTS AND FAULTS IN LATE CENOZOIC DEPOSITS IN THE EASTERN PART OF THE BENTON RANGE 1:100,000 QUADRANGLE AND THE GOLDFIELD, LAST CHANCE RANGE, BEATTY AND DEATH VALLEY JUNCTION 1:100,000 QUADRANGLES, NEVADA AND CALIFORNIA BY MARITH C. REHEIS AND JAY S. NOLLER	01/01/88-05/25/89	THIS REPORT SUMMARIZES THE EXISTING KNOWLEDGE ABOUT THE LINEAMENTS AND FAULTS BASED ON EXTENSIVE AERIAL-PHOTO INTERPRETATION, LIMITED FIELD INVESTIGATIONS, AND PUBLISHED GEOLOGIC MAPS.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
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 OF FRACTURE QUATERNARY DEPOSITS.	DNT

(

1

ACQN/DEVL LOCATION : USGS, DENVER, CO

.

	SITE CHARACTERI	ZATION PLAN BASELIN	E	AU TA AL I TF YI	L O C A T I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E E D 	0 N -
GS930208318512.001	NEOTECTONICS AND VOLCANISM AT YUCCA MOUNTAIN AND VICINITY, NEVADA, BY K.F. FOX, JR., AND M.D. CARR.	06/28/87-06/28/88	INTERPRETATIONS OF VOLCANISM, FAULTS, AND SEISMICITY IN THE YUCCA MOUNTAIN AREA.	DN	с
	ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, MENLO PARK, CA				
GS930283117432.002	TECTONIC SETTING OF YUCCA MOUNTAIN, SOUTHWEST NEVADA, BY R.B. SCOTT	01/01/83-06/19/84	INTERPRETATION OF TECTONIC DEVELOPMENT BASED ON DETAILED GEOLOGIC MAPPING AND RELATED INVESTIGATIONS. STANDARD METHODS FOR GEOLOGIC MAPPING AND RELATED STUDIES USED IN COLLECTION OF DATA.	DN	с
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
**GS930283117452.001	A FIELD TRIP GUIDE TO THE GEOLOGY OF BARE MOUNTAIN, BY M.D. CARR AND S.A. MONSEN.	01/01/87-11/18/87	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND INFORMATION AND INTERPRETATIONS OF THE STRATIGRAPHY, STRUCTURAL GEOLOGY, AND FAULT CHARACTERISTICS OF THE BARE MOUNTAIN AREA.	DN	с
	ACON/DEVL LOCATION : USGS, MENLO PARK, CA				
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.	DN	с
	ACQN/DEVL LOCATION : USGS, DENVER, CO				

DQ

(-)

(((
		512		DQ AUL TAO		
	SITE CHARACTERIZATION PLAN BASELINE T I Y					
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN		
GS930583117432.004	REGIONAL TERMINATION AND SEGMENTATION OF QUARTERNARY 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.	DNC		
	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.	DNC		
	ACQN/DEVL LOCATION : USGS, DENVER, CO					
GS930583117432.006	GEOLOGIC MAP OF THE SURFICIAL DEPOSITS OF THE JACKASS FLATS QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND D.L. HOOVER	01/01/87-02/01/88	SURFICIAL GEOLOGIC MAP PREPARED USING AERIAL PHOTOGRAPHS, VISUAL INTERPRETATIONS, AND PREVIOUSLY PUBLISHED MATERIAL.	DNC		
	ACON/DEVL LOCATION : USGS, DENVER, CO					
GS930583117432.007	SURFICIAL GEOLOGIC MAP OF THE SPECTER RANGE NW QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND H.E. HUCKINS	01/01/85-02/28/86	SURFICIAL GEOLOGIC MAP PREPARED USING VISUAL INTERPRETATIONS, AERIAL PHOTOGRAPHS, AND PREVIOUSLY PUBLISHED MATERIAL.	DNC		

ACQN/DEVL LOCATION : USGS, DENVER, CO

SITE CHARACTERIZATION PLAN BASELINE			Ε	DQ AU TA AL I TF		
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD) [-
GS930583117432.008	GEOLOGIC MAP OF THE SURFICIAL DEPOSITS OF THE SKULL MOUNTIAN QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND H.E. HUCKINS.	01/01/87-01/29/88	SURFICIAL GEOLOGIC MAP PREPARED USING VISUAL INTERPRETATIONS, AERIAL PHOTOGRAPHS, AND PREVIOUSLY PUBLISHED MATERIALS.	DÌ	J C	:
	ACQN/DEVL LOCATION : USGS, DENVER, CO					
GS930583117432.009	LOGS OF TRENCHES ACROSS THE BEATTY SCARP, NYE COUNTY, NEVADA, BY WC SWADLEY, H.E. HUCKINS, AND E.M. TAYLOR.	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.	DN	4 C	:
	ACQN/DEVL LOCATION : USGS, DENVER, CO					
GS930583117432.010	SURFICIAL GEOLOGIC MAP OF THE BARE MOUNTAIN QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND L.D. PARRISH	01/01/84-03/28/85	GEOLOGIC MAP OF AREA CONSTRUCTED USING AERIAL PHOTOGRAPHS COMBINED WITH PREVIOUSLY PUBLISHED MATERIAL.	D¥	1 C	:
	ACQN/DEVL LOCATION : USGS, DENVER, CO					
GS930583117 4 32.011	GEOLOGIC MAP OF THE SURFICIAL DEPOSITS OF THE TOPOPAH SPRING QUADRANGLE, NYE COUNTY, NEVADA, BY WC SWADLEY AND D.L. HOOVER	01/01/88-07/15/88	SURFICIAL GEOLOGIC MAP PREPARED USING AERIAL PHOTOGRAPHS, VISUAL INTERPRETATIONS, AND PREVIOUSLY PUBLISHED MATERIAL.	DN	4 C	:
	ACQN/DEVL LOCATION : USGS, DENVER, CO					

(

		514			
				DQ AU TA	i I I I I I I I I I
	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	I	À
				YI	I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	РЕ ЕС) N
GS930708315142.004	GEOLOGIC MAP OF THE SURFICIAL DEPOSITS OF THE YUCCA FLAT AREA, NYE COUNTY, NEVADA BY WC SWADLEY AND D.L. HOOVER.	01/01/89-01/01/90	THIS MAP WAS PREPARED USING AERIAL PHOTOGRAPHS AND LIMITED FIELD OBSERVATIONS. IT COVERS ABOUT 400 SQUARE KILOMETERS AND INCLUDES ALL OR PART OF NINE 7 1/2-MINUTE TOPOGRAPHIC QUADRANGLES. MAPPING WAS CONFINED TO ALLUVIAL AND EOLIAN SURFICIAL DEPOSITS AT A SCALE OF 1:48,000.	DN	IC
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
**GS930783117432.012	COMPILATION OF KNOWN AND SUSPECTED QUATERNARY FAULTS WITHIN 100 KM OF YUCCA MOUNTAIN, BY L.A. PIETY.	10/01/92-06/01/93	COMPILATION OF PUBLISHED LITERATURE AND READILY AVAILABLE DATA.	DN	IP
	ACON/DEVL LOCATION : USBR, DENVER, CO				
GS930783117432.013	AERIAL PHOTOGRAPHIC INTERPRETATION OF LINEAMENTS AND FAULTS IN LATE CENOZOIC DEPOSITS IN THE EASTERN PARTS OF THE SALINE VALLEY 1:100,000 QUADRANGLE, NEVADA AND CALIFORNIA, AND THE DARWIN HILLS 1:100,000 QUADRANGLE, CALIFORNIA BY MARITH C. REHEIS.	01/01/90-08/30/90	TWO MAPS SUMMARIZE INFORMATION ABOUT LINEAMENTS AND FAULTS BASED ON EXTENSIVE AERIAL-PHOTO INTERPRETATIONS, LIMITED FIELD INVESTIGATIONS, AND PREVIOUSLY PUBLISHED GEOLOGIC MAPS.	DN	ιc
	ACON/DEVL LOCATION : USGS, DENVER, CO				
GS930983117432.014	FLUVIAL ORIGIN OF THE BEATTY SCARP, NYE COUNTY, NEVADA, BY L.W. ANDERSON.	10/01/92-12/31/93	SYNTHESIS AND REVIEW OF THE SOURCE DATA ALONG WITH THE ADDITION OF A NEW SCARP PROFILE	DN	IC
	ACQN/DEVL LOCATION : USGS, DENVER, CO				

				μQ	
				AUL	
				TAO	
SITE CHARACTERIZATION PLAN BASELINE				ALC	
				IA	
				ТГТ	
				YII	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN	

- -

GS931083117432.001 TOPOGRAPHIC PROFILES OF THE BEATTY SCARP 06/17/93-06/19/93 GP-52,R0, TOPOGRAPHIC PROFILING OF A Y C GEOMORPHIC FEATURES -- FIELD MEASUREMENT

ACQN/DEVL LOCATION : 36 48'00"N 116 45'00"W ;36 52'30"N 116 42'00"W

GS940683117432.001 SCARP PROFILE DATA AND GEOLOGIC MAP FOR 03/20/93-03/20/93 TECHNICAL PROCEDURE NWM-USGS GP-52, RO. AYP THE DEATH VALLEY AND FURNACE CREEK FAULT 03/23/93-03/23/93 TOPOGRAPHIC PROFILING OF GEOMORPHIC ZONES, DEATH VALLEY, CALIFORNIA 03/25/93-03/25/93 FEATURES - FIELD MEASUREMENTS (PROFILES 03/01/94-05/05/94 WERE MEASURED USING THE DIFFERENTIAL LEVELING METHOD.); GP-01, R2, GEOLOGIC MAPPING, AND GP-50, RO, IDENTIFICATION OF GEOMORPHIC FEATURES OF POSSIBLE TECTONIC ORIGIN USING CONVENTIONAL AND LOW-SUN-ANGLE VERTICAL AERIAL PHOTOGRAPHS.

ACQN/DEVL LOCATION : 36 04'N 117 15'W ;36 52'N 116 45'W

*GS940883117432.002 LATE QUATERNARY SLIP RATE ESTIMATES FOR 01/01/94-07/29/94 ANALYSIS AND INTERPRETATION OF THE DEATH D Y P THE DEATH VALLEY AND FURNACE CREEK FAULT SYSTEM, BY R. KLINGER AND L. PIETY VALLEY AND FURNACE CREEK FAULT SYSTEM.

ACQN/DEVL LOCATION : USGS, DENVER, CO

		516		
	SITE CHARACTER	IZATION PLAN BASELIN	IE	DQ AUL TAO ALC IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
Activity - 8.3.1.17	.4.3.4			
**GS930583117434.001	STOP 6: NORTHERN BARE MOUNTAIN, FLUOROSPAR CANYON, BY M.D. CARR	01/01/88-04/18/89	AUTHOR'S SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED REPORTS.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS940183117434.001	PRELIMINARY TRENCH LOGS OF BMT-1 AND BMT-2, BARE MOUNTAIN. FAULT, NYE COUNTY, NEVADA, JAN. 1994.	06/27/93-01/10/94	GP-07,R1, CONVENTIONAL GEOLOGIC MAPPING OF TRENCH WALLS, GP-17,R1, DESCRIBING AND SAMPLING SOILS IN THE FIELD, GP-39,R0, GEOPHOTOGRAMMETRIC MAPPING OF TRENCH WALLS - FIELD WORK, AND GP-53,R0, GEOLOGIC MAPPING OF TRENCH WALLS WITH A TOTAL STATION.	АУС
	ACQN/DEVL LOCATION : BMT-1 BMT-2			
GS940683117434.002	BARE MOUNTAIN FAULT SCARP PROFILE DATA, 10/24/93 - 10/29/93	10/24/93-10/29/93	TECHNICAL PROCEDURE NWM-USGS GP-52,R0, TOPOGRAPHIC PROFILING OF GEOMORPHIC FEATURES - FIELD MEASUREMENTS. PROFILES WERE MEASURED USING THE TRIGONOMETRIC LEVELING OR TRIANGULATION METHOD. COMPUTER PRINT-OUTS WERE PRODUCED USING NON-SES-BASED SOFTWARE CALLED GRAPHER V4.5E.	АҮР

ACQN/DEVL LOCATION : 36 47'00"N 116 38'00"W ;36 52'00"N 116 37'00"W

DATA TRACKING NO TITLE/DESCRIPTION ACON/DEVI. PERIOD ACON/DEVI. METHOD				T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*GS940883117434.002	PRELIMINARY EVALUATION ON THE BARE MOUNTAIN FAULT ZONE, NYE COUNTY, NEVADA, BY L. ANDERSON AND R. KLINGER.	01/01/94-07/29/94	ANALYSIS AND INTERPRETATION OF THE BARE MOUNTAIN FAULT ZONE	DYP
	ACON/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.17	7.4.3.5			
GS900983117435.001	REGIONAL STRUCTURAL SETTING OF YUCCA MOUNTAIN, SOUTHWESTERN NEVADA, AND LATE CENOZOIC RATES OF TECTONIC ACTIVITY IN PART OF THE SOUTHWESTERN GREAT BASIN, NEVADA AND CALIFORNIA, BY W.J. CARR	01/01/83-01/01/84	USGS STANDARD COLLECTION METHODS.	DNT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.17	7.4.4			
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N T
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			

(

518 SITE CHARACTERIZATION PLAN BASELINE			DQ AUL TAO ALC IA	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
GS940783117462.004	PROFILE DATA ON SCARP MORPHOLOGY FROM STUDY OF TRENCHES AND EXPOSURES, 11/93 - 5/94	11/16/93-05/04/94	GP-52,R0, TOPOGRAPHIC PROFILING OF GEOMORPHIC FEATURES - FIELD MEASUREMENTS	АҮР
	ACQN/DEVL LOCATION : A1 BBW-E1 BBW-E2 MWV-T3 MWV-T4 SCR-T1 SCR-T2 SCR-T3 T-14D T4			
Activity - 8.3.1.17	2.4.4.1			
GS900983117441.001	GEOLOGY OF FAULTS EXPOSED IN TRENCHES IN CRATER FLAT, NYE COUNTY, NEVADA, BY W C SWADLEY AND D.L. HOOVER	01/01/82-07/14/83	USGS STANDARD COLLECTION METHODS.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS910983117441.002	FIELD NOTES AND ACCOMPANYING LOCALITY MAPS OR AIRPHOTOS COLLECTED DURING PRE STOP WORK ACTIVITIES, OR DURING FIELD TRIPS, DATA REVIEWS, OR RECONNAISSANCE TRIPS TO THE YUCCA MOUNTAIN AREA, FROM LATE 1983 TO PRESENT.	10/01/83-09/17/91	USGS STANDARD COLLECTION METHODS.	ANP

(

ACQN/DEVL LOCATION : YUCCA MTN AREA

	SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AUL TAO ALC IA
				TFT
				PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	EDN
GS910983117441.003	ORIGINAL FIELD SHEETS AT A SCALE OF APPROXIMATELY 1:20 OF THE TRENCH LOGS FOR A FAULT TRENCH LOCATED AT THE NORTH END OF THE ROCK VALLEY FAULT, SOUTH OF FRENCHMAN FLAT.	01/01/84-12/31/84	USGS STANDARD COLLECTION METHODS.	ΑΝΡ
	ACQN/DEVL LOCATION : ROCK VALLEY			
GS910983117441.004	TRAVEL-TIME PLOTS AND DETAILED LOCALITY MAPS FOR EACH OF THE LINES RELATED TO APPROXIMATELY 40 SHALLOW SEISMIC REFRACTION PROFILES (SLEDGE-HAMMER SOURCE) THAT WERE COLLECTED FROM THE ROCK VALLEY, 40 MILE WASH, WINDY WASH, AND BEATTY AREAS TO LOOK FOR SUBSURFACE EVIDENCE OF FAULTING ACROSS SUSPECTED FAULT ZONES.	01/01/85-12/31/86	USGS STANDARD COLLECTION METHOD	ΑΝΡ
	ACQN/DEVL LOCATION : 40 MILE WASH BEATTY ROCK VALLEY WINDY WASH			
GS930383117441.001	INTERIM REPORT: A RECONNAISSANCE STUDY OF STRIKE-SLIP FAULTING NEAR YUCCA MOUNTAIN, NEVADA, BY D.W. O'LEARY	01/01/92-09/30/92	THOROUGH EVALUATION OF THE FAULT ZONES BASED ON NUMEROUS DETAILED FIELD OBSERVATIONS AND REVIEW OF PUBLISHED DATA OF LOCAL AND REGIONAL SCALE.	DNC

ACQN/DEVL LOCATION : USGS, DENVER, CO

_

(-

519

	520			D /	^
					ĴL A O
			-	A	5 L
	SITE CHARACTERI	ZATION PLAN BASELIN	E	T	ET
				Y I P I	I I E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EI	и с
GS930583117441.002	TRENCH LOGS FROM A STRAND OF THE ROCK VALLEY FAULT SYSTEM, NEVADA TEST SITE, NYE COUNTY, NEVADA, BY J.C. YOUNT, R.R. SHROBA, C.R. MCMASTERS, H.E. HUCKINS, AND E.A. RODRIGUEZ.	01/01/84-03/21/85	INTERPRETATION OF THE NATURE, AMOUNTS, AND AGES OF FAULTING IN TRENCHES RV-1 AND RV-2 USING SEPARATION FACTORS AND CLAST FABRIC ANALYSES. AGES OF LITHOLOGIC UNITS BY URANIUM-TREND DATING. SOIL PROPERTIES USING BIRKELAND METHODS (1984) AND PRESENTED IN TABULAR FORM. LONG-AXIS FABRIC DATA ANALYZED BY EIGENVALUE AND EIGENVECTOR TECHNIQUES. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	DI	ЯC
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
*GS940983117441.001	TECTONIC SIGNIFICANCE OF THE ROCK VALLEY FAULT ZONE, NEVADA TEST SITE, BY D.W. O'LEARY	01/01/94-07/29/94	ANALYSIS AND INTERPRETATION OF THE ROCK VALLEY FAULT ZONE.	D	NP
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.17	2.4.5.1				
GS930283117451.001	ISOSTATIC UPLIFT, CRUSTAL ATTENUATION, AND THE EVOLUTION OF AN EXTENSIONAL DETACHMENT SYSTEM IN SOUTHWESTERN NEVADA, BY R.B. SCOTT	01/01/87-01/29/88	INTERPRETATIONS OF A REGIONAL DETACHMENT SYSTEM IN SOUTHWESTERN NEVADA.	D	NC
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
*GS940483117451.001	THE MIOCENE/PALEOZOIC CONTACT AT THE CALICO HILLS, BY F. WILLIAM SIMONDS	09/01/93-09/29/93	THIS REPORT WAS DEVELOPED FROM GEOLOGIC FIELD MAPPING, AIR PHOTO INTERPRETATIONS AND REVIEW OF PUBLISHED LITERATURE	D	NP
	ACON/DEVL LOCATION : USGS, DENVER, CO				

	STTE CHARACTERIZATION PLAN BASELINE				
T I Y					
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN	
*GS940783117451.002	GEOLOGY AND HYDROTHERMAL ALTERATION OF THE CALICO HILLS, NYE COUNTY, NEVADA, BY F. WILLIAM SIMONDS AND R.B. SCOTT (EXCLUDING APPENDICES, SEE COMMENTS)	07/15/93-06/30/94	STRATIGRAPHIC, STRUCTURAL AND HYDROTHERMAL HISTORY OF THE CALICO HILLS BASED ON GEOLOGIC MAPPING AND CHEMICAL ANALYSIS OF SAMPLES. MAPPING WAS DONE ON AERIAL PHOTOGRAPHS AND COMPILED ON A 1:12,000 SCALE TOPOGRAPHIC BASE MAP	Д Ү Р	
	ACON/DEVL LOCATION : USGS, DENVER, CO				
Activity - 8.3.1.17	.4.5.2				
GS910931174121.001	GEOLOGIC MAP OF BARE MOUNTAIN, NYE COUNTY, NEVADA, BY SUSAN A. MONSEN, MICHAEL D. CARR, MARITH C. REHEIS, AND P.P. ORKILD	01/01/89-01/01/90	REPORT CONTAINS STRATIGRAPHIC DESCRIPTIONS SUPPORTED BY ISOTOPICALLY DATED SAMPLES.	DNC	
	ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, MENLO PARK, CA				
**GS930283117452.001	A FIELD TRIP GUIDE TO THE GEOLOGY OF BARE MOUNTAIN, BY M.D. CARR AND S.A. MONSEN.	01/01/87-11/18/87	SUMMARIES AND INTERPRETATIONS OF PREVIOUSLY PUBLISHED DATA AND INFORMATION AND INTERPRETATIONS OF THE STRATIGRAPHY, STRUCTURAL GEOLOGY, AND FAULT CHARACTERISTICS OF THE BARE MOUNTAIN AREA.	DNC	
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
GS930483117452.002	DETACHMENT FAULTING IN THE DEATH VALLEY REGION, CALIFORNIA AND NEVADA, BY WARREN HAMILTON.	01/01/85-02/12/86	GENERAL STRUCTURAL STYLE INFERRED FROM FIVE SEISMIC REFLECTION PROFILES RECORDED BY VIBROSEIS BY CONTINENTAL REFLECTION PROFILING OF CORNELL UNIVERSITY.	DNC	
	ACQN/DEVL LOCATION : USGS, DENVER, CO				

(

 \leftarrow

		522		
				AUL TAO ALC
SITE CHARACTERIZATION PLAN BASELINE				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
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.	DNC
	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.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS931283117452.005	GEOLOGIC MAPPING IN CRATER FLAT, IN AND AROUND FOUR 7.5 MINUTE QUADRANGLES: 1) EAST OF BEATTY MOUNTAIN, 2) BEATTY MOUNTAIN, 3) CRATER FLAT, 4) BIG DUNE.	03/14/93-05/15/93	TECHNICAL PROCEDURE GP-01,R2, GEOLOGIC MAPPING.	АҮС
	ACQN/DEVL LOCATION : 36 52'30"N 116 37'30"	W ;37 00'00"N 116 3	0′00"₩	
GS931283117452.006	GEOLOGIC MAP OF THE EAST OF BEATTY MOUNTAIN 7.5 MINUTE QUADRANGLE, NYE COUNTY, NEVADA, BY C.J. FRIDRICH, P.P. ORKILD, M. MURRAY, J.R. PRICE, R.L. CHRISTIANSEN, P.W. LIPMAN, W.J. CARR, W.D. QUINLIVAN, AND R.B. SCOTT.	05/15/93-10/12/93	USGS GP-01,R2, GEOLOGIC MAPPING	DYP

ACQN/DEVL LOCATION : USGS, DENVER, CO

	SITE CHARACTERIZATION PLAN BASELINE			
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E O E D N
GS940383117452.001	ORIENTATION DATA FOR KINEMATIC ANALYSIS OF MYLONITES OR OTHER SAMPLES FROM BULLFROG HILLS.	03/01/92-03/01/92	SN-0035 "THERMOBAROMETRIC AND KINEMATIC STUDIES OF METAMORPHIC ROCKS AT BARE MOUNTAIN AND PROXIMAL SITES".	AYC
	ACQN/DEVL LOCATION : T12S R45E SECTION 13 T12S R45E SECTION 21			
GS940383117452.002	ELECTRON MICROPROBE ANALYSIS OF MINERALS FROM BULLFROG HILLS AND BARE MOUNTAIN	08/09/93-02/18/94	SN-0035 "THERMOBAROMETRIC AND KINEMATIC STUDIES OF METAMORPHIC ROCKS AT BARE MOUNTAIN AND PROXIMAL SITES".	АҮС
	ACQN/DEVL LOCATION : NORTHERN ARIZONA UNIV LABORATORY	ERSITY ELECTRON MIC	ROPROBE	
GS940383117452.003	FREEZING AND HOMOGENIZATION TEMPERATURE MEASUREMENTS ON FLUID INCLUSION IN QUARTZ VEINS FROM BARE MOUNTAIN.	12/12/93-12/18/93	SN-0035 "THERMOBAROMETRIC AND KINEMATIC STUDIES OF METAMORPHIC ROCKS AT BARE MOUNTAIN AND PROXIMAL SITES"	АУС
	ACQN/DEVL LOCATION : NORTHERN ARIZONA UNIV	ERSITY, FLAGSTAFF,	AZ	
GS940683117452.004	ELECTRON MICROPULSE ANALYSIS OF MINERALS FROM BARE MOUNTAIN, APRIL '94	04/05/94-04/27/94	SN-0035 "THERMOBAROMETRIC AND KINEMATIC STUDIES OF METAMORPHIC ROCKS AT BARE MOUNTAIN AND PROXIMAL SITES"	АҮР
	ACQN/DEVL LOCATION : NORTHERN ARIZONA UNIV.	ERSITY, FLAGSTAFF,	AZ	
*GS940883117452.005	CONDITIONS OF METAMORPHISM IN LOWER PLATE ROCKS AT BARE MOUNTAIN, NEVADA: IMPLICATIONS FOR EXTENSIONAL FAULTING, BY T. HOISCH	01/01/94-07/29/94	ANALYSIS AND INTERPRETATION OF SAMPLES TAKEN AT THE BULLFROG HILLS AND BARE MOUNTAINS: ANALYSIS OF MYLONITES (KINEMATIC ANALYSIS), AND ELECTRON MICROBE ANALYSIS OF SAMPLES	DYP
	ACON/DEVL LOCATION : USGS, DENVER, CO			

_

(--

523

(-)

ı.

·	×	524			
				DQ AUL TAO ALC	
SITE CHARACTERIZATION PLAN BASELINE					
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	E D N	
Activity - 8.3.1.17	.4.6				
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	DNT	
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.17	.4.6.1				
GS900983117461.001	PRELIMINARY STUDY OF QUATERNARY FAULTING ON THE EAST SIDE OF BARE MOUNTAIN, NYE COUNTY, NEVADA BY MARITH C. REHEIS.	06/01/85-06/30/85	USGS STANDARD COLLECTION METHODS.	DNC	
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS920783117461.001	FIELD MEASUREMENTS AND OBSERVATIONS AND STRUCTURAL INTERPRETATIONS FROM AERIAL PHOTOGRAPHS OF THE YUCCA MOUNTAIN AREA.	03/12/91-05/10/91	GP-01, GEOLOGIC MAPPING	АҮР	
	ACQN/DEVL LOCATION : 36 44'N 116 31'W ;36	55' 10"N 116 23'W			
GS920783117461.002	PHOTOGEOLOGIC AND KINEMATIC ANALYSIS OF LINEAMENTS AT YUCCA MOUNTAIN, NEVADA: IMPLICATIONS FOR STRIKE-SLIP FAULTING AND OROCLINAL BENDING, BY J.M. O'NEILL, J.W. WHITNEY, & M.R. HUDSON.	03/19/91-12/13/91	PHOTOGEOLOGIC AND KINEMATIC ANALYSIS	DYC	
	ACQN/DEVL LOCATION : USGS, DENVER, CO				

	SITE CHARACTER	ZATION PLAN BASELIN	IE	DQ AUL TAO ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVI. METHOD	PEO EDN
GS930283117461.001	PRELIMINARY GEOLOGIC MAP OF YUCCA MOUNTAIN, NYE COUNTY, NEVADA, WITH GEOLOGIC SECTIONS, SCALE 1:12,000, BY R.B. SCOTT AND J. BONK.	01/01/88-12/31/89	DETAILED GEOLOGIC MAP AND STRUCTURE SECTIONS BASED ON STANDARD USGS GEOLOGIC MAPPING PROCEDURES.	DNC
	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.	DNT
	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.	DNC
	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.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			

 $\langle -$

(-

		526			
	STWE CUADACWEDT	ZATTON DIAN BACETIN	F	DQ AUL TAO ALC	
		ATION FLAN BASELIN	C	TFT	
				PEO	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	E D N	
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.	DNC	
	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.	DNC	
	ACON/DEVL LOCATION : USGS, DENVER, CO.				
GS931183117461.003	GEOLOGIC MAPPING AND FIELD OBSERVATIONS PERTAINING TO QUATERNARY FAULTING	03/29/91-07/22/93	THE DATA WERE COLLECTED UNDER NWM-USGS GP-01,R1 AND R2, GEOLOGIC MAPPING.	АҮР	
	ACQN/DEVL LOCATION : 36 56'15"N 116 22'30" 36 41'15"N 116 33'45"	ਮ ਸ			
GS931183117461.004	FAULT MAP OF THE YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA BY F.W. SIMONDS, J. WHITNEY, K. FOX, A. RAMELLI, J. YOUNT, M. CARR, C. MENGES, R. DICKERSON AND R. SCOTT.	07/01/93-08/31/93	MAP WAS PLOTTED FROM THE INFORMATION OBTAINED THROUGH FIELD OBSERVATIONS.	DYP	

(

ACQN/DEVL LOCATION : USGS, DENVER, CO

	SITE CHARACTER:	IZATION PLAN BASELIN	JE	DQ AUL TAO ALC IA
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
GS940783117462.004	PROFILE DATA ON SCARP MORPHOLOGY FROM STUDY OF TRENCHES AND EXPOSURES, 11/93 - 5/94	11/16/93-05/04/94	GP-52,R0, TOPOGRAPHIC PROFILING OF GEOMORPHIC FEATURES - FIELD MEASUREMENTS	АҮР
	ACQN/DEVL LOCATION : A1 BBW-E1 BBW-E2 MWV-T3 MWV-T4 SCR-T1 SCR-T2 SCR-T3 T-14D T4			
Activity - 8.3.1.17	4.6.2			
GS920883117462.001	K.S. KELLOG'S FIELD NOTES CONCERNING DEATH VALLEY AND FURNACE CREEK FAULTS.	01/01/69-03/31/89	FIELD NOTES AND WORK PERFORMED TO STANDARD USGS PROCEDURES	ANC
	ACQN/DEVL LOCATION : 35 00'N 119 00'W ;38	00'N 116 00'W		
GS920983117462.002	LATE QUATERNARY FAULTING ALONG THE DEATH VALLEY-FURNACE CREEK FAULT SYSTEM, CALIFORNIA AND NEVADA BY GEORGE E. BROGAN, KARL S. KELLOGG, D. BURTON SLEMMONS, AND CHRISTINA L. TERHUNE. MAP SCALE 1:62,500.	03/01/89-04/15/91	VERIFICATION, REVISION, AND CONDENSATION OF TEXT AND MAP BASED ON AERIAL PHOTOGRAPHS AND FIELD NOTES. COMPARISON OF SCARP HEIGHTS, HORIZONTAL OFFSET OF STREAM CHANNELS AND AGES OF GEOMORPHIC SURFACES.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, MENLO PARK, CA		-	

Í.

f

	× ·	528		
				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	I A T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	E D N
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.	07/09/92-03/26/93	TECHNICAL PROCEDURE NWM-USGS GP-07,R1, CONVENTIONAL GEOLOGIC MAPPING OF TRENCH WALLS.	АЧС
	ACQN/DEVL LOCATION : TRENCH 14			
GS930783117462.003	PRELIMINARY TRENCH LOG FOR OUTER WALL, NORTH BRANCH, OF TRENCH 14D; PREPARED BY C. MENGES, G. VADURRO, AND J. OSWALD. PREPARED FOR OUTER (NORTHERN) WALL OF THE NORTH BRANCH OF THE BOX PORTION OF MODIFIED TRENCH 14D; INCLUDES DETAILED DESCRIPTIONS OF UNITS AND STRUCTURES IN TRENCH LOG OF ADJACENT WALL (INNER WALL, NORTH BRANCH, TRENCH 14D), WITH EXCEPTION OF FISSURE-FILL DESCRIPTIONS ALONG MAIN FAULT ZONE.	12/21/92-06/18/93	TECHNICAL PROCEDURE NWM-USGS GP-07,R1, CONVENTIONAL GEOLOGIC MAPPING OF TRENCH WALLS.	АҮС
	ACQN/DEVL LOCATION : TRENCH 14D, NTS			
GS930983117462.005	SHALLOW SEISMIC REFRACTION SURVEY DATA ACROSS THE WINDY WASH FAULT IN CRATER FLAT.	06/24/93-06/29/93	NWM-USGS SP-18,RO, SHALLOW SEISMIC REFRACTION TECHNIQUES.	АҮС

(

1

ACQN/DEVL LOCATION : SE 1/4 SECTION 1, T14S, R48E SECT 12, T14S, R48E

DO AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE IA TFT YII PEO DATA TRACKING NO. TITLE/DESCRIPTION ACON/DEVL PERIOD ACON/DEVL METHOD EDN _____ GS931283117462.006 PRELIMINARY TRENCH LOG, AND ACCOMPANYING 05/01/93-10/31/93 TECHNICAL PROCEDURE NWM-USGS GP-07, R1, AYC DESCRIPTIONS AND DATA SHEETS FOR CONVENTIONAL GEOLOGIC MAPPING OF TRENCH LITHOLOGIC UNITS, SOILS, AND WALLS, AND TECHNICAL PROCEDURES NWM-USGS DEFORMATION, FOR TRENCHES SCR-T1 AND GP-39, R0, GEOPHOTOGRAMMETRIC MAPPING OF SCR-T3 (PARTS OF BOTH NORTH AND SOUTH TRENCH WALLS: FIELDWORK; AND NWM-USGS WALLS IN EACH TRENCH). LOGS AND DATA GP-40, R0, GEOPHOTOGRAMMETRIC MAPPING OF PREPARED BY C. MENGES, J. OSWALD AND J. TRENCH WALLS - LABORATORY METHODS. COE. EACH LOG INCLUDES CEILING MAPPED PHOTOGRAMMETRICALLY AND MANUALLY (WITH CONVENTIONAL METHOD). ACQN/DEVL LOCATION : N718620(N) E556680(N) N721790(N) E559700(N) GS931283117462.007 U-TH ISOTOPIC DATA FOR U-SERIES 11/01/93-12/15/93 YMP-USGS GCP-03, R2, U-SERIES DATING AYC DISEQUILIBRIUM DATING OF PEDOGENIC CARBONATE ASSOCIATED WITH QUATERNARY FAULTING ON THE EAST SIDE OF YUCCA MOUNTAIN. DATA INCLUDE SAMPLE AND SPIKE WEIGHTS, AND CUMULATIVE ALPHA DECAY COUNTS FOR 238U, 236U, 232TH, 230TH, AND 229TH AS WELL AS CALCULATED U AND TH CONCENTRATIONS, ACTIVITY RATIOS AND CORRELATION COEFFICIENTS. ACON/DEVL LOCATION : USGS U-SERIES LABS, DENVER, CO GS931283117462.008 AGE CALCULATED FROM ACQUIRED U-TH 11/01/93-12/15/93 230TH/238U CALCULATIONS DETERMINED BY DYC ISOTOPIC DATA. MIXING LINE REGRESSION USING MAXIMUM LIKELIHOOD ESTIMATION ALGORITHMS (LUDWIG AND TITTERINGTON, MAXIMUM LIKELIHOOD ESTIMATION OF U-TH ERRORS, IN REVIEW FOR PUB. IN GEOCHEMICA ET COSMOCHEMICA ACTA) ACON/DEVL LOCATION : USGS U-SERIES LABS, DENVER, CO

530 DO AUL TAO ALC ΙΑ SITE CHARACTERIZATION PLAN BASELINE ጥዋጥ YII PEO ACON/DEVL PERIOD ACON/DEVL METHOD EDN DATA TRACKING NO. TITLE/DESCRIPTION ______ 11/01/93-12/28/93 DATA INCLUDE U-SERIES DISEQUILIBRIUM AND D Y P GS940183117462.001 U-SERIES DISEQUILIBRIUM AND THERMOLUMINESCENCE AGES DETERMINED ON THERMOLUMINESCENCE AGES OF PALEOSOLS PEDOGENIC MATERIALS ASSOCIATED WITH FAULTS ASSOCIATED WITH QUATERNARY FAULTS, EAST ON THE EAST SIDE OF YUCCA MOUNTAIN. SIDE OF YUCCA MOUNTAIN, BY J.B. PACES, B. WIDMANN, C.M. MENGES, J.R. WESLING, C.A. BUSH, K. FUTA, H.T. MILLARD, P.B. MAAT, AND J.W. WHITNEY. ACON/DEVL LOCATION : USGS U-SERIES LABS, DENVER, CO 03/12/93-11/20/93 DATA WERE COLLECTED USING GP-07, R1, AYC GS940183117462.002 PRELIMINARY LOG OF WALL 4 OF BUSTED CONVENTIONAL GEOLOGIC MAPPING OF TRENCH BUTTE AND ACCOMPANYING FIELD NOTES AND WALLS; GP-17, R1, DESCRIBING AND SAMPLING SOIL PROFILE DESCRIPTION SHEETS. LOGS SOILS IN THE FIELD; AND GP-39, RO, AND DATA PREPARED BY J. WESLING, C. GEOPHOTOGRAMMETRIC MAPPING OF TRENCH WALLS MENGES, J. OSWALD, AND J. COE. - FIELD WORK; AND GP-40, RO, GEOPHOTOGRAMMETRIC MAPPING OF TRENCH WALLS - LABORATORY ACON/DEVL LOCATION : N739796.0(N) E570559.0(N) 09/24/93-01/05/94 TRENCH WALL OR NATURAL EXPOSURE DYP GS940183117462.003 PRELIMINARY RESULTS OF PALEOSEISMIC DEFORMATION FEATURES, STRATIGRAPHIC UNITS, INVESTIGATIONS OF QUATERNARY FAULTS ON AND SOILS WERE DESCRIBED AND WHERE EASTERN YUCCA MOUNTAIN, NYE COUNTY, POSSIBLE, CRITICAL UNITS AND SOILS NEVADA, BY C. MENGES, J. WESLING, J. BRACKETING FAULT EVENTS WERE SAMPLED FOR WHITNEY, F. SWAN, J. COE, A. THOMAS, AND GEOCHRONOLOGIC DATING. ALL THESE DATA J. OSWALD. WERE USED TO INTERPRET THE STRATIGRAPHIC POSITIONS, SIZES, AND TO THE EXTENT POSSIBLE, AGES OF SURFACE RUPTURES ON THE FAULT ZONE.

ACON/DEVL LOCATION : USGS, LAS VEGAS, NV

	SITE CHARACTER	ZATION PLAN BASELIN	NE	DQ AUL TAO ALC
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
GS940783117462.004	PROFILE DATA ON SCARP MORPHOLOGY FROM STUDY OF TRENCHES AND EXPOSURES, 11/93 - 5/94	11/16/93-05/04/94	GP-52,R0, TOPOGRAPHIC PROFILING OF GEOMORPHIC FEATURES - FIELD MEASUREMENTS	АҮР
	ACQN/DEVL LOCATION : A1 BBW-E1 BBW-E2 MWV-T3 MWV-T4 SCR-T1 SCR-T2 SCR-T3 T-14D T4			
Activity - 8.3.1.17	.4.7			
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	DΝΤ
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			

(______

(

 \leftarrow

		532		
				DQ AUL TAO ALC
	SITE CHARACTER	IZATION PLAN BASELIN	E	IA
				Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17	.4.7.1			
GS900983117471.001	AN EVALUATION OF SEISMIC REFLECTION STUDIES IN THE YUCCA MOUNTAIN AREA, NEVADA TEST SITE, BY T.F. MCGOVERN WITH AN INTRODUCTION BY L.W. PANKRATZ AND H.D. ACKERMANN.	01/01/82-01/01/83	MULTIFOLD CDP RECORDINGS.	рис
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS910683117471.002	PRIMARY FIELD DATA FOR TELESEISMIC TOMOGRAPHY OF THE YUCCA MOUNTAIN AREA AND SOUTHERN NEVADA.	01/01/82-12/31/82	TELESEISMIC P-RESIDUAL STUDY OF THE TECTONIC ENVIRONMENT AS DESCRIBED IN SP-07,R0.	ANC
	ACQN/DEVL LOCATION : #1 JACKASS FLATS #2 YUCCA MOUNTAIN EA #3 YUCCA MOUNTAIN WE #4 BUFFER #5 CAVE #6 THOMPSON MINE #7 YUCCA MTN #8 YUCCA MTN #8 YUCCA MTN #9 SAND BOX #A YUCCA MTN #8 YUCCA MTN #8 YUCCA MTN #8 YUCCA MTN #0 CALICO HILLS FAN #E THE PROWE #F WASHINGTON MOUNTA #G PINYON PASS #H BEATTY WASH #I 40 MILE CANYON #J BUGGY #K TIMBER MOUNTAIN PANAMA MINE SITE	ST		

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

 $(\$

		534		DQ
	SITE CHARACTERI	ZATION PLAN BASELIN	E	A Ū L T A O A L C I A T F T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
GS911083117471.007	"DISTAZRES" PROGRAM (SOFTWARE) INPUT AND OUTPUT - CALCULATION OF RELATIVE RESIDUALS. ALSO, STATISTICS AND DEBUGGING OF THESE DATA ("RSTATS" AND "RST" SOFTWARE OUTPUTS) AND DR-100 CLOCK CALIBRATION DATA AND COMPUTATIONS.	04/01/82-06/30/82	TELESEISMIC P-RESIDUAL STUDY OF THE TECTONIC ENVIRONMENT AS DESCRIBED IN NWM-USGS-SP-07,R0.	ANC
	ACQN/DEVL LOCATION : MENLO PARK LABS, USGS	•		
GS911083117471.008	CORE DATA SET. FIELD STATION LOCATION MAPS; SMOKE DRUM MONITORS OF PORTABLE DEPLOYMENT; SUN 3/50 "TAR" TAPES OF CRITICAL DATA, LESS SEISMOGRAMS, AND INVERSION RESULTS; QUALITY DEMONSTRATIONS; COLOR PLOTS OF INVERSION RESULTS; AND HARD COPY OF INVERSION RESULTS. THESE DATA SUPPORT TELESEISMIC TOMOGRAPHY OF THE YUCCA MOUNTAIN AREA WITH A DENSE ARRAY WITHIN 15 KM OF YUCCA MOUNTAIN AND A COARSER ARRAY.	04/01/82-06/30/82	TELESEISMIC P-RESIDUAL STUDY OF THE TECTONIC ENVIRONMENT AS DESCRIBED IN NWM-USGS-SP-07,R0.	ΑΝΟ
	ACQN/DEVL LOCATION : MENLO PARK LABS, USGS			
GS920183117471.001	TELESEISMIC TOMOGRAPHY OF THE YUCCA MOUNTAIN REGION: VOLCANICS AND TECTONISM, BY JOHN R. EVANS AND MOSES SMITH III	01/01/81-12/31/91	NWM USGS SP-07 GEOPHYSICS: TELESEISMIC P-RESIDUAL STUDY OF THE TECTONIC ENVIRONMENT.	DNC

(

ACQN/DEVL LOCATION : USGS, MENLO PARK, CA

SITE CHARACTERIZATION PLAN BASELINE			D Q A U L T A O A L C I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD ACQN/DEVL METHOD	P E O E D N
GS920283117471.002	VIBROSEIS AND EXPLOSIVE SOURCE SEISMIC REFLECTION DATA. ACQN/DEVL LOCATION : T16S R49-52E	01/03/88-01/24/88 NWM-USGS-SP-10, R0	A N C

GS920283117471.003 FEASIBILITY STUDY OF THE SEISMIC 01/28/88-02/10/89 ANALYTICAL AND INTERPRETIVE METHODS BASED D N C REFLECTION METHOD IN THE AMARGOSA ON THE AUTHORS' COMBINED EDUCATION AND DESERT, NYE COUNTY, NEVADA, BY T.M. BROCHER, P.E. HART, AND S.F. CARLE. REPORT.

ACQN/DEVL LOCATION : USGS, DENVER, CO

 GS920283117471.004
 COMPARISON OF VIBROSEIS AND EXPLOSIVE SOURCE METHODS FOR DEEP CRUSTAL SEISMIC REFLECTION PROFILING IN THE BASIN AND RANGE PROVINCE, BY T.M. BROCHER AND P.E. HART.
 06/06/89-06/21/91 ANALYTICAL AND INTERPRETIVE METHODS BASED D N C ON THE AUTHORS' COMBINED EDUCATION AND WORK EXPERIENCES WERE USED TO DEVELOP THIS ARTICLE

ACQN/DEVL LOCATION : USGS, MENLO PARK, CA

GS920283117471.005SEISMIC REFLECTION PROFILING ACROSS
TERTIARY EXTENSIONAL STRUCTURES IN THE
EASTERN AMARGOSA DESERT, SOUTHERN NEVADA
BASIN AND RANGE PROVINCE, USA, BY T.M.
BROCHER, M.D. CARR, K.F. FOX, JR. AND
P.E. HART09/22/89-05/14/92
ANALYSIS AND INTERPRETATION OF SEISMIC
REFLECTION DATA. METHODS BASED ON THE
AUTHORS' COMBINED EDUCATION AND WORK
EXPERIENCE.BROCHER, M.D. CARR, K.F. FOX, JR. AND
P.E. HART09/22/89-05/14/92
REFLECTION DATA. METHODS BASED ON THE
AUTHORS' COMBINED EDUCATION AND WORK
EXPERIENCE.

ACQN/DEVL LOCATION : USGS, MENLO PARK, CA

	SITE CHARACTERI	536 ZATION PLAN BASELIN	Ε	D Q A U L T A O A L C I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
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.	DNC
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
Activity - 8.3.1.17	.4.7.2			
**GS900983117472.001	CHARLESTON PEAK GRAVITY CALIBRATION LOOP, NEVADA, BY D.A. PONCE AND H.W. OLIVER	01/01/81-07/17/81	USGS STANDARD COLLECTION METHODS. A NEW GRAVITY CALIBRATION LOOP HAS BEEN ESTABLISHED IN SOUTHERN NEVADA IN SUPPORT OF USGS RESPONSIBILITY TO NNWSI. THE PURPOSE OF THE LOOP IS TO PROVIDE ACCURATELY KNOWN OBSERVED GRAVITY VALUES OVER THE GRAVITY RANGE FOUND IN SOUTHERN NEVADA, TO PERIODICALLY TEST THE PERFORMANCE OF THE GRAVITY METERS, AND TO CHECK OR ADJUST THEIR CALIBRATION FACTORS.	DNT
	ACON/DEVL LOCATION : USGS, MENLO PARK, CA			
**GS900983117472.002	PRELIMINARY RESULTS OF GRAVITY INVESTIGATIONS OF THE CALICO HILLS, NEVADA TEST SITE, NYE COUNTY, NEVADA, BY D.B. SNYDER AND H.W. OLIVER	01/01/80-01/01/81	USGS STANDARD COLLECTION METHODS. A TOTAL OF 211 RECENTLY ESTABLISHED GRAVITY STATIONS SUPPLEMENT 128 EXISTING STATIONS IN PROVIDING DATA FOR A DETAILED GRAVITY INTERPRETATION OF THE CALICO HILLS AREA OF THE NEVADA TEST SITE.	DNT
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			

	SITE CHARACTERI	ZATION PLAN BASELIN	F	DQ AUL TAO ALC
			_	T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	E D N
**GS900983117472.003	PRELIMINARY RESULTS OF GRAVITY INVESTIGATIONS AT YUCCA MOUNTAIN, AND VICINITY, SOUTHERN NYE COUNTY, NEVADA, BY D.B. SNYDER AND W.J. CARR	01/01/80-01/01/81	USGS STANDARD COLLECTION METHODS. EXPLORATION FOR A NUCLEAR WASTE REPOSITORY RESULTED IN THE ADDITION OF 423 NEW GRAVITY STATIONS TO THE 934 EXISTING STATIONS TO FORM THE DATA BASE FOR THIS STUDY.	DNT
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
GS900983117472.004	PRINCIPAL FACTS OF GRAVITY STATIONS WITH GRAVITY AND MAGNETIC PROFILES FROM THE SOUTHWEST NEVADA TEST SITE, NYE COUNTY, NEVADA, AS OF JANUARY, 1982, BY P.E. JANSMA, D.B. SNYDER, AND D.A. PONCE	01/01/82-10/22/82	USGS STANDARD COLLECTION METHODS.	DNC
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
GS900983117472.005	A PRELIMINARY ANALYSIS OF GRAVITY AND AEROMAGNETIC SURVEYS OF THE TIMBER MOUNTAIN AREA, SOUTHERN NEVADA, BY M.F. KANE, M.W. WEBRING, AND B.K. BHATTACHARYYA	01/01/81-12/31/81	USGS STANDARD METHODS AND LIBRARY RESEARCH. 1977-1978 GRAVITY AND AEROMAGNETIC SURVEYS OF THE TIMBER MOUNTAIN REGION, SOUTHERN NEVADA, HAVE REVEALED NEW DETAILS OF SUBSURFACE STRUCTURE AND LITHOLOGY. THE DATA SHOWS DEFORMATION CAUSED BY VOLCANIC EVENTS, ROCK UNITS MAY HAVE BEEN ALTERED AND THAT PART OF SILENT CANYON CALDERA MAY UNDERLIE MUCH OF TIMBER MOUNTAIN.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

 \leftarrow

.
		538		
				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	E	IA
				TFT YII PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	E D N
GS930283117472.001	INTERPRETATION OF GRAVITY DATA IN A COMPLEX VOLCANO-TECTONIC SETTING, SOUTHWESTERN NEVADA, BY D.B. SNYDER AND W.J. CARR.	01/01/83-06/17/83	SUMMARIES AND INTERPRETATIONS BY THE PI OF PREVIOUSLY PUBLISHED DATA AND INFORMATION INCLUDING: GEOLOGY, STRATIGRAPHY, ROCK DENSITIES (USING GAMMA-GAMMA DENSITY LOGS AND BOREHOLE GRAVITY MEASUREMENTS), STRUCTURE, VOLCANO-TECTONIC HISTORY, GRAVITY DATA (BOUGUER ANOMALIES REDUCED BY R.W. SALTUS METHOD), AND GRAVITY FIELDS.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO USGS, MENLO PARK, CA			
GS930383117472.002	GRAVITY DATA FOR THE STATE OF NEVADA ON MAGNETIC TAPE, BY R.W. SALTUS.	01/01/88-06/07/88	THIS REPORT IS BASED UPON A COMPILATION OF DATA NOT ACQUIRED BY THE YMP. THE FIRST 18 FILES OF THE TAPE CONTAIN PRINCIPAL FACTS FOR INDIVIDUAL DATA POINTS. EACH DATA RECORD CONTAINS GEOGRAPHIC POSITION, OBSERVED GRAVITY, TERRAIN CORRECTION, BOUGUER GRAVITY ANOMALY, AND ISOSTATIC RESIDUAL ANOMALY.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
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 REFRACTON 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.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

SITE CHARACTERIZATION PLAN BASELINE				D Q A U L T A O A L C I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
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.	DNC
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
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.	DNC
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
GS930583117472.006	REGIONAL GEOLOGIC AND GEOPHYSICAL MAPS OF THE SOUTHERN GREAT BASIN BY T.G. HILDENBRAND, A.M. ROGERS, H.W. OLIVER, S.C. HARMSEN, J.K. NAKATA, D.S. AITKEN, R.N. HARRIS, AND M.D. CARR.	01/01/87-01/01/88	REPORT CONTAINS A COLLECTION OF MAPS DEVELOPED BY USING PREVIOUSLY PUBLISHED DATA. THE MAPS PRESENT AN OVERVIEW OF THE GENERAL GRAVITY, AEROMAGNETIC, AND TERRAIN FEATURES. TEXT DISCUSSES REDUCTION PROCESSES, ASSUMPTIONS, AND APPLIED EQUATIONS WHERE APPLICABLE.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

_

(-

(

(((
		540			
				DQ AU TA	LOC
	SITE CHARACTER	ZATION PLAN BASELIN	E	I TF YI	Ă T I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	РЕ Е D 	0 N -
GS930783117472.007	COMPLETE BOUGUER GRAVITY MAP OF THE TONOPAH 1 X 2 QUADRANGLE, NEVADA, BY D.L. HEALEY, R.R. WAHL, AND F.E. CURREY.	01/01/79-01/01/80	A COMPILATION OF 3,346 GRAVITY STATIONS THAT WERE MACHINE CONTOURED USING "CONTOUR" (EVENDEN, 1975) AT A SCALE OF 1:250,000. DATA ARE REDUCED BY STANDARD REDUCTION PROCEDURES (NETTLETON, 1976). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	DN	с
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
G\$930783117472.008	GRAVITY ANOMALY MAPS OF NEVADA. BOUGUER GRAVITY ANOMALY MAP OF NEVADA AND REGIONAL, RESIDUAL, AND DERIVATIVE GRAVITY MAPS OF NEVADA, BY R.W. SALTUS.	01/01/85-10/15/85	BOUGUER GRAVITY ANOMALIES COMPUTED USING 1967 GEODETIC REFERENCE SYSTEM FORMULA FOR THEORETICAL GRAVITY AT SEA LEVEL AS IMPLEMENTED ON A DIGITAL COMPUTER (CORDELL AND OTHERS, 1982). DATA CORRECTIONS INCLUDE 1) TERRAIN CORRECTIONS USING A DIGITAL TERRAIN MODEL, HAND CALCULATED, OR COMPUTER APPROXIMATION, 2) CURVATURE CORRECTIONS. ISOSTATIC RESIDUAL MAP PRODUCED BY SUBTRACTION OF INTERPOLATED VALUES OF COMPENSATING ROOTS FROM VALUES OF BOUGUER ANOMALIES. VERTICAL DERIVATIVE MAP PRODUCED BY CALCULATING THE FIRST VERTICAL DERIVATIVE FROM THE BOUGUER GRAVITY GRID USING A FOURIER TRANSFORM ALGORITHM (HILDENBRAND, 1983). HORIZONTAL DERIVATIVE MAP PRODUCED BY CALCULATING THE MAGNITUDE OF THE HORIZONTAL GRADIENT (R.W. SIMPSON, 1983). COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	DN	с

ACQN/DEVL LOCATION : USGS, DENVER, CO

Ì

				DQ AUL TAO ALC
SITE CHARACTERIZATION PLAN BASELINE T Y P				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	E D N
Activity - 8.3.1.17	.4.7.3			
GS900983117472.005	A PRELIMINARY ANALYSIS OF GRAVITY AND AEROMAGNETIC SURVEYS OF THE TIMBER MOUNTAIN AREA, SOUTHERN NEVADA, BY M.F. KANE, M.W. WEBRING, AND B.K. BHATTACHARYYA	01/01/81-12/31/81	USGS STANDARD METHODS AND LIBRARY RESEARCH. 1977-1978 GRAVITY AND AEROMAGNETIC SURVEYS OF THE TIMBER MOUNTAIN REGION, SOUTHERN NEVADA, HAVE REVEALED NEW DETAILS OF SUBSURFACE STRUCTURE AND LITHOLOGY. THE DATA SHOWS DEFORMATION CAUSED BY VOLCANIC EVENTS, ROCK UNITS MAY HAVE BEEN ALTERED AND THAT PART OF SILENT CANYON CALDERA MAY UNDERLIE MUCH OF TIMBER MOUNTAIN.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS900983117473.001	INVESTIGATION OF AN AEROMAGNETIC ANOMALY ON WEST SIDE OF YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY G.D. BATH AND C.E. JAHREN	01/01/84-07/05/85	USGS STANDARD COLLECTION METHODS.	DNT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
G S9 30583117472.005	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.	DNC
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
GS930583117472.006	REGIONAL GEOLOGIC AND GEOPHYSICAL MAPS OF THE SOUTHERN GREAT BASIN BY T.G. HILDENBRAND, A.M. ROGERS, H.W. OLIVER, S.C. HARMSEN, J.K. NAKATA, D.S. AITKEN, R.N. HARRIS, AND M.D. CARR.	01/01/87-01/01/88	REPORT CONTAINS A COLLECTION OF MAPS DEVELOPED BY USING PREVIOUSLY PUBLISHED DATA. THE MAPS PRESENT AN OVERVIEW OF THE GENERAL GRAVITY, AEROMAGNETIC, AND TERRAIN FEATURES. TEXT DISCUSSES REDUCTION PROCESSES, ASSUMPTIONS, AND APPLIED EQUATIONS WHERE APPLICABLE.	DNC
	ACON/DEVL LOCATION : USGS, DENVER, CO			

(

((
		542		D Q A U L T A O
	SITE CHARACTERI	ZATION PLAN BASELIN	E	
				YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVI. METHOD	
GS930583117473.001	AEROMAGNETIC MAP OF NEVADA, LAS VEGAS SHEET, BY R.W. SALTUS AND D.A. PONCE	01/01/87-12/02/87	MAP WAS PREPARED USING PREVIOUSLY PUBLISHED MATERIALS.	DNC
	ACON/DEVL LOCATION : USGS, MENLO PARK, CA			
GS930783117473.002	AEROMAGNETIC MAP OF PART OF THE LAS VEGAS 1 X 2 QUADRANGLE, NEVADA, BY PATRICIA L. HILL.	01/01/82-01/01/83	CONTOUR MAP OF THE REDUCED RESIDUAL MAGNETIC FIELD DATA AT A SCALE OF 1:62, 500.	DNP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930783117473.004	AEROMAGNETIC MAP OF THE YUCCA MOUNTAIN AREA, NEVADA, BY PATRICIA L. HILL.	01/01/83-01/01/84	REDUCED RESIDUAL MAGNETIC DATA ARE PRESENTED AS A CONTOURED MAP AT A SCALE OF 1:62,500.	DNP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930783117473.005	AEROMAGNETIC MAP OF YUCCA MOUNTAIN AND SURROUNDING REGIONS, SOUTHWEST NEVADA BY M.F. KANE AND R.E. BRACKEN.	01/01/82-01/01/83	MAP COMPILED USING DATA FROM SURVEYS FLOWN IN 1977 AND 1978; CONTOURED AT 20 GAMMA INTERVALS AT A SCALE OF 1:48000. ASSOCIATED REPORT DETAILS RESULTS OF DEVELOPED DATA	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			
GS930783117473.006	AEROMAGNETIC MAP OF THE MERCURY AREA, NEVADA, BY PATRICIA L. HILL.	01/01/83-01/01/84	REDUCED RESIDUAL MAGNETIC DATA ARE PRESENTED AS A CONTOURED MAP AT A SCALE OF 1:62,500.	DNP

ACQN/DEVL LOCATION : USGS, DENVER, CO

SITE CHARACTERIZATION PLAN BASELINE				
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
GS930983117473.008	AEROMAGNETIC MAP OF THE BEATTY QUADRANGLE, NEVADA-CALIFORNIA, BY J.M. GLEN AND D.A. PONCE	01/01/90-01/28/91	AEROMAGNETIC MAP WAS PREPARED FROM SIX SEPARATE AEROMAGNETIC SURVEYS. THE MAP WAS CREATED USING BOTH A MOSAIC AND A MERGING TECHNIQUE IN WHICH THE SURVEYS ARE ANALYTICALLY CONTINUED TO A COMMON LEVEL, DATUM ADJUSTED AND MERGED.	DNC
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
Activity - 8.3.1.17	2.4.7.4			
GS930583117472.005	GRAVITY AND MAGNETIC EVIDENCE FOR A GRANITIC INTRUSION NEAR WAHMONIE SITE, NEVADA TEST SITE, NEVADA, BY DAVID A. PONCE	01/01/83-06/10/83	TWO DIMENSIONAL GRAVITY MODEL CONSTRUCTED USING MAGNETIC, SEISMIC, AND ELECTRIC DATA.	DNC
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
Activity - 8.3.1.17	2.4.7.5			
GS900983117475.001	PRELIMINARY ASSESSMENT OF IN-SITU GEOMECHANICAL CHARACTERISTICS IN DRILL-HOLE USW-G1, YUCCA MOUNTAIN, NEVADA, BY W.L. ELLIS AND HENRI S. SWOLFS	01/01/82-08/05/82	HYDRAULIC FRACTURING STRESS MEASUREMENTS TESTING. OBSERVATIONS MADE DURING DRILLING AND SUBSEQUENT TESTING OF THE USW G-1 DRILL HOLE, YUCCA MOUNTAIN, PROVIDE QUALITATIVE INSIGHTS INTO THE IN-SITU GEOMECHANICAL CHARACTERISTICS OF THE LAYERED TUFF UNITS PENETRATED BY THE HOLE.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS900983117475.002	PRELIMINARY ANALYSIS OF GEOPHYSICAL LOGS FROM THE WT SERIES OF DRILL HOLES, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY D.C. MULLER AND J.E. KIBLER	01/01/85-10/31/85	USGS STANDARD COLLECTION METHODS.	D N T
	ACON/DEVL LOCATION : USGS, DENVER, CO			

543

		544			
	SITE CHARACTERI	ZATION PLAN BASELIN	E	D A T A	Q U L A O L C I A
				T	FT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	P E	
GS930383117475.001	TIME-DOMAIN ELECTROMAGNETIC SOUNDINGS AT THE NEVADA TEST SITE, NEVADA, BY F.C. FRISCHKNECHT AND P.V. RAAB.	01/01/83-01/01/84	DESCRIPTIONS OF WORK DONE NEAR YM TO DEVELOP AND DEMONSTRATE ELECTROMAGNETIC SOUNDING METHODS WHICH WOULD BE EFFECTIVE IN GEOLOGICALLY COMPLICATED REGIONS. EFFORTS FOCUSED ON SHORT-OFFSET (NEAR ZONE) TIME-DOMAIN ELECTROMAGNETIC (TDEM) TECHNIQUES IN WHICH THE RECEIVING LOOP IS INSIDE OR VERY NEAR THE TRANSMITTING LOOP.	D	NC
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS930583117475.002	SOME RECONNAISSANCE-TYPE ELECTRICAL SURVEYS OF TIMBER MOUNTAIN CALDERA, NYE COUNTY, NEVADA, BY J. ZABLOCKI	01/01/78-01/01/79	TELLURIC PROFILES WERE OBTAINED BY: 1) TELLURIC CURRENT J-MAPPING (METHOD OF KELLER AND FRISCHNECHT, 1966, ELECTRICAL METHODS IN GEOPHYSICAL PROSPECTING), 2) TELLURIC PROFILING (METHOD OF BEYER, 1977, TELLURIC AND D.C. RESISTIVITY TECHNIQUES), AND 3) AUDIOMAGNETOTELLURIC (METHOD OF HOOVER, D.B., AND OTHERS, 1978, GEOPHYSICS, V. 43) . COMPLETE BIBLIOGRAPHIC CITATIONS ARE IN REPORT.	D	NC

ACQN/DEVL LOCATION : USGS, DENVER, CO

				D Q A U L
				T A O A L C
	SITE CHARACTER	IZATION PLAN BASELIN	1E	IĂ
				ТЕТ
				YII
		<i>•</i>		PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
Activity - 8.3.1.17	.4.7.8			
G\$930383117478.001	PRELIMINARY RESULTS OF HIGH-RESOLUTION	01/01/85-08/20/85	PRELIMINARY RESULTS AND INT	ERPRETATIONS OF D N C

TECHNIQUE.

SUPPOSES IN A RESULTS OF HIGH-RESOLUTION OF A RESOLTS OF HIGH-RESOLUTION OF A RESOLTS AND INTERPRETATIONS OF A RESOLT OF A RESOLUTION SURVEYS CONDUCTED SURVEYS CONDUCTED ACROSS THE BEATTY AND CRATER FLAT FAULT ARRON SURVEY ACROSS THE BEATTY AND CRATER FLAT FAULT SCARPS, NEVADA, BY S.T. HARDING. FAULT SCARPS THAT USED THE MINI-SOSIE HIGH-SOLUTION SEISMIC-REFLECTION SURVEYS ARRON SURVEYS ARRON SURVEYS CONDUCTED THE HIGH-RESOLUTION SUBJECT AND INTERPRETATIONS OF A RESOLTS AND INTERPRETATIONS OF A RESOLUTION SEISMIC-REFLECTION A RESOLTS AND INTERPRETATIONS OF A RESOLUTION SEISMIC-REFLECTION A RESOLUTION RESOLUTION SEISMIC-REFLECTION A RESOLUTI

ACQN/DEVL LOCATION : USGS, DENVER, CO

Activity - 8.3.1.17.4.8

**GS900908314211.007 A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING

ACQN/DEVL LOCATION : USGS, MENLO PARK, CA

((
	SITE CHARACTER:	546 Ization plan baselin	IE.	DQ AU TA AI	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	T F Y I P F E C 	
Activity - 8.3.1.17	.4.8.1				
GS930283117481.001	STRESS FIELD AT YUCCA MOUNTAIN, BY J.M. STOCK AND J.H. HEALEY.	01/01/85-10/21/85	DESCRIPTIONS & INTERPRETATIONS OF DATA/INFO. INCLUDING STRESS MAGNITUDES, STRESS DIRECTIONS AND TOPOGRAPHIC EFFECTS ON STRESS LEVELS. METHOD IN HICKMAN,S.H. & M.D.ZOBACK,1983, THE INTERPRETATION OF HYDRAULIC FRACTURING PRESSURE-TIME DATA FOR IN-SITU STRESS DETERMINATION, IN HYDRAULIC FRACTURING STRESS MEASUREMENTS, NAT'L ACADEMY PRESS, WASH.D.C.,44-54, USED TO DETERMINE STRESS MAGNITUDES. TEST PROCEDURES & EQUIPMENT SETUP IN 1) HEALY, J.H.,& OTHERS,1984, REPORT ON TELEVIEWER LOG AND STRESS MEASUREMENTS IN CORE HOLE USW-G1,NTS,DEC.13-22,1981, USGS OFR 84-15; 2) STOCK,J.M.,& OTHERS,1984, REPORT ON TELEVIEWER LOG AND STRESS MEASUREMENTS IN CORE HOLE USW G-2,NTS,OCT-NOV.1982, USGS OFR 84-172; AND 3) STOCK,J.M.,& OTHERS, 1986, REPORT ON TELEVIEWER LOG AND STRESS MEASUREMENTS IN HOLES USW G-3 AND UE-25P#1,YM,NYE CO.,NV, USGS OFR 86-369. STRESS DIRECTION DETERMINED USING TELEVIEWER LOGS.	אס	ıc
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
GS930483117481.002	AN EVALUATION OF THE TOPOGRAPHIC MODIFICATION OF STRESSES AT YUCCA MOUNTAIN, NEVADA, BY HENRI S. SWOLFS, WILLIAM Z. SAVAGE, AND WILLIAM L. ELLIS.	01/01/85-07/24/86	SOLUTION FOR TOPOGRAPHICALLY INDUCED STRESSES DERIVED FROM KOLOSOV-MUSKHELISHVILI METHOD OF COMPLEX POTENTIALS FOR PLANE ELASTICITY, SAVAGE, W.Z., AND OTHERS, 1985, GRAVITATION OF STRESSES IN LONG SYMMETRIC RIDGES AND VALLEYS: INTERNATIONAL JOURNAL OF ROCK MECHANICS, MINERAL SCIENCE, AND GEOCHEMICAL ABSTRACTS. CONFORMAL MAPPING	Dŀ	∮ C

(

FUNCTION USED TO TRANSFORM A SYMMETRIC RIDGE INTO A HALF-PLANE TO OBTAIN GRAVITY-INDUCED STRESSES.

ACQN/DEVL LOCATION : USGS, DENVER, CO

SITE CHARACTERIZATION PLAN BASELINE				D A T A		- -
DAMA MDACUINC NO				T Y P	F 1 I J E (
		ACQN/DEVL PERIOD		Е -	D 1 	-
GS930483117481.003	INFERENCES ABOUT THE LOCAL STRESS FIELD FROM FOCAL MECHANISMS: APPLICATIONS TO EARTHQUAKES IN THE SOUTHERN GREAT BASIN OF NEVADA, BY S.C. HARMSEN AND A.M. ROGERS.	01/01/85-01/13/86	SOURCE DATA USED TO INFER PROPERTIES OF REGIONAL STRESS FIELD. DETERMINATION OF AVERAGE STRESS FIELD IS BY INVERSION OF PALEOSTRAIN OR FOCAL MECHANISM DATA, METHOD OF ANGELIER, J., 1984, TECTONIC ANALYSIS OF FAULT SLIP DATA SETS, J. GEOPHYS. RES., 89. COMPLETE BIBLIOGRAPHIC CITATION IN REPORT.	D	N C	;
	ACQN/DEVL LOCATION : USGS, DENVER, CO					
GS930583117481.004	FRICTIONAL SLIDING AND FRACTURE BEHAVIOR OF SOME NEVADA TEST SITE TUFFS, BY C. MORROW AND J. BYERLEE	01/01/83-03/21/84	DIFFERENTIAL STRESS-AXIAL CURVES WERE PRODUCED TO DETERMINE COEFFICIENT OF FRICTION.	D	NC	;
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA					
GS930583117481.005	HYDRAULIC FRACTURING STRESS MEASUREMENTS AT YUCCA MOUNTAIN, NEVADA, AND RELATIONSHIP TO THE REGIONAL STRESS FIELD BY J.M. STOCK, J.H. HEALY, S.H. HICKMAN, AND M.D. ZOBACK.	01/01/84-07/02/84	RESULTS FROM EIGHT TESTS TAKEN IN THE SZ FOR WELLS USW G-1 AND G-2. MAGNITUDES AND DIRECTIONS OF PRINCIPAL STRESSES USING HYDRAULIC FRACTURING DESCRIBED BY HICKMAN AND ZOBACK (1983) AND HAIMSON AND FAIRHURST (1967). FRACTURE PROPERTIES BY INTERPRETATION OF ACOUSTIC BOREHOLE TELEVIEWER-LOGS. FRACTURE DIP DIRECTIONS AND BREAKOUTS CHARACTERIZED BY EQUAL-AREA PROJECTION PLOTS AND ROSE DIAGRAMS. COMPLETE BIBLIOGRAPHIC CITATIONS IN REPORT.	D	N C	:
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA					

(--

	SITE CHARACTERI	548 ZATION PLAN BASELIN	E	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
Activity - 8.3.1.17	.4.8.2			
GS900983117475.001	PRELIMINARY ASSESSMENT OF IN-SITU GEOMECHANICAL CHARACTERISTICS IN DRILL-HOLE USW-G1, YUCCA MOUNTAIN, NEVADA, BY W.L. ELLIS AND HENRI S. SWOLFS	01/01/82-08/05/82	HYDRAULIC FRACTURING STRESS MEASUREMENTS TESTING. OBSERVATIONS MADE DURING DRILLING AND SUBSEQUENT TESTING OF THE USW G-1 DRILL HOLE, YUCCA MOUNTAIN, PROVIDE QUALITATIVE INSIGHTS INTO THE IN-SITU GEOMECHANICAL CHARACTERISTICS OF THE LAYERED TUFF UNITS PENETRATED BY THE HOLE.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
**GS900983117482.001	COMPARISON OF SURVEY AND PHOTOGRAMMETRY METHODS TO POSITION GRAVITY DATA, YUCCA MOUNTAIN, NEVADA, BY D.A. PONCE, S.S.C WU,AND J.B. SPIELMAN	01/01/84-01/01/85	USGS STANDARD COLLECTION METHODS.	DNT
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
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.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

	SITE CHARACTERI	ZATION PLAN BASELIN	E	DQ AUL TAO ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.1.17	2.4.9			
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	D N T
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA			
Activity - 8.3.1.17	.4.9.1			
GS900983117491.001	URANIUM-THORIUM DATING OF QUATERNARY CARBONATE ACCUMULATIONS IN THE NEVADA TEST SITE REGION, SOUTHERN NEVADA, BY B.J. SZABO, W.J. CARR, AND W.C. GOTTSCHALL.	01/01/80-06/18/80	USGS STANDARD COLLECTION METHODS.	DNT
	ACQN/DEVL LOCATION : USGS, DENVER, CO.			

_

(-

 $\overline{}$

.

		550		DQ AILT.
	SITE CHARACTERIZATION PLAN BASELINE			
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	TFT YII PEO EDN
Activity - 8.3.1.17	2.4.10.1			
GS930731174101.001	YMP LEVEL DATA: 11/90 - 07/91 - SECTION OBSERVATIONS.	11/01/90-07/01/91	GP-06,R2 & R3, GEODETIC LEVELING AND TRILATERATION SURVEYS	AYC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930731174101.002	GPS DATA (FOR QUADRILATERAL SURVEYS) CALIBRATION (I.E. CHECK AGAINST KNOWN BASELINE) FOR GPS RECEIVERS - DATA AND COMPUTATIONS, 11/90 - 07/91.	03/01/91-06/01/91	GP-06,R2 & R3, GEODETIC LEVELING AND TRILATERATION SURVEYS	АҮС
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930731174101.003	1983 - 1988 LEVELING RESULTS, 1983 - 1988 QUADRILATERAL RESULTS AND VARIOUS EARLIER DATA	01/01/83-12/31/88	STANDARD USGS METHODS FOR GEODETIC LEVELING AND SECTION OBSERVATIONS.	ANT
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930731174101.004	FINAL (1990 - 1991) DATA ACQUISITION REPORT OF YMP GEODETIC LEVELING ACTIVITY: INCLUDES REPORTS, HEIGHT DATA, DESCRIPTIONS, NGS ELEVATIONS, AND QUADRALATERALS	11/01/90-07/01/91	GP-06,R2&R3 GEODETIC LEVELING AND TRILATERATION SURVEYS	АУР

ACQN/DEVL LOCATION : USGS, DENVER, CO

1

	SITE CHARACTERI	ZATION PLAN BASELIN	IE	D Q A U T J A I	2 JL AO LC IA	
				TI	ΕŢ	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I P F E I		
**GS930731174101.005	YMP LEVEL DATA: GEODETIC LEVELING AND SECTION OBSERVATIONS, 1992 - 1993	11/01/92-04/01/93	GP-06,R3, GEODETIC LEVELING AND TRILATERATION SURVEYS	A 3	YT	
	ACQN/DEVL LOCATION : USGS, DENVER, CO					
Activity - 8.3.1.17	2.4.10.2					
**GS931031174102.001	STRAIN ACCUMULATION NEAR YUCCA MOUNTAIN, NEVADA, 1983 - 1993, BY J.C. SAVAGE, M. LISOWSKI, W.K. GROSS, N.E. KING, AND J.L. SVARC.	07/01/93-07/30/93	INTERPRETATIONS AND SUMMARIES OF A 50-KM TRILATERATION NETWORK CENTERED ON YUCCA MOUNTAIN USING DATA FROM GEODOLITE AND GPS SURVEYS OVER THE LAST DECADE (1983-1993).	DN	ΊT	
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA					
**GS931031174102.002	SURVEY OF DEFORMATION OF 50-KM-APERTURE TRILATERATION NETWORK USING A GEODOLITE, CENTERED ON YUCCA MOUNTAIN, 1983-1984.	06/01/83-06/30/83 06/01/84-07/31/84	THE PROCEDURES USED AND THE ACCURACY ATTAINED FOR THESE SURVEYS ARE DESCRIBED IN SAVAGE AND PRESCOTT (1973), PRECISION OF GEODOLITE DISTANCE MEASUREMENTS FOR DETERMINING FAULT MOVEMENTS, J. GEOPHYS. RES., 78, 6001-6008.	AN	ΙT	
	ACQN/DEVL LOCATION : 36 35'00"N 116 45'00"	W ;37 10'00"N 116 0	0′00"W			

**GS931031174102.003 SURVEY OF DEFORMATION OF 50-KM-APERTURE 04/01/93-05/30/93 TECHNICAL PROCEDURE NWM-USGS GP-43,R0, A Y T TRILATERATION NETWORK USING GPS AND A GEODETIC TRILATERATION AND GLOBAL GEODOLITE, CENTERED ON YUCCA MOUNTAIN, POSITIONING SYSTEM (GPS) SURVEYS. 1993

ACQN/DEVL LOCATION : 36 35'00"N 116 45'00"W ;37 10'00"N 116 00'00"W

551

		552		DQ AU TA AL	L O C
SITE CHARACTERIZATION PLAN BASELINE				I TF YI	A T T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PE ED	0 N
Activity - 8.3.1.17	.4.10.3				
GS920931174103.002	GEODETIC LEVELING DATA USED TO DEFINE HISTORICAL HEIGHT CHANGES BETWEEN TONOPAH JUNCTION AND LAS VEGAS, NEVADA BY THOMAS D. GILMORE	01/01/87-08/03/92	PROFILE HISTORICAL HEIGHT CHANGES BASED ON COMPARISONS OF REPEATED GEODETIC LEVELINGS ALONG THE SURVEY ROUTE. STANDARD USGS METHODOLOGY. COMPUTER PROGRAMS PROCESSED VERTICAL CONTROL DATA FROM TWO SOURCES: DIGITAL FILES FROM THE NATIONAL GEODETIC SURVEY AND HANDWRITTEN SUMMARY BOOKS FROM U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION ARCHIVES.	DN	ſĊ
	ACON/DEVL LOCATION : USGS, MENLO PARK, CA				
GS920931174103.003	GEODETIC EVIDENCE FOR VERTICAL TECTONIC MOVEMENT DURING THE TWENTIETH CENTURY IN THE CRATER FLAT/YUCCA MOUNTAIN AREA, SOUTHERN NEVADA, BY T.D. GILMORE AND M.D. CARR	01/01/89-02/21/90	DATA FROM 1907, 1915, AND 1980-1985 BENCH MARKS WERE COMPARED TO CREATE THIS REPORT AS A PARTIAL TEST OF THE HYPOTHESIS THAT AN ACTIVE STRUCTURAL TROUGH EXTENDS SOUTHWARD.	DN	IP
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA				
Activity - 8.3.1.17	.4.11				
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING	01/01/83-11/06/84	USGS STANDARD METHODS.	DN	ΙT

ACQN/DEVL LOCATION : USGS, MENLO PARK, CA

	SITE CHARACTERI	ZATION PLAN BASELIN	E	D Q A U L T A O A L C I A T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACON/DEVL METHOD	EDN
Activity - 8.3.1.17	.4.12			
**GS900908314211.007	A SUMMARY OF GEOLOGIC STUDIES THROUGH JANUARY 1, 1983, OF A POTENTIAL HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY SITE AT YUCCA MOUNTAIN, SOUTHERN NYE COUNTY, NEVADA, BY U.S. GEOLOGICAL SURVEY. GEOMORPHOLOGY, PHYSIOGRAPHY, TOPOGRAPHY, STRATIGRAPHY, TECTONIC AND VOLCANIC FRAMEWORK, STRUCTURAL GEOLOGY, SEISMICITY, LONG-TERM REGIONAL STABILITY, SUBSURFACE DRILLING & MINING ACQN/DEVL LOCATION : USGS, MENLO PARK, CA	01/01/83-11/06/84	USGS STANDARD METHODS.	DNT
Activity - 8.3.1.17	.4.12.1			
GS910931174121.001	GEOLOGIC MAP OF BARE MOUNTAIN, NYE COUNTY, NEVADA, BY SUSAN A. MONSEN, MICHAEL D. CARR, MARITH C. REHEIS, AND P.P. ORKILD	01/01/89-01/01/90	REPORT CONTAINS STRATIGRAPHIC DESCRIPTIONS SUPPORTED BY ISOTOPICALLY DATED SAMPLES.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO 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.	DNC

ACQN/DEVL LOCATION : USGS, DENVER, CO.

(-

553

 $(\$

		554		DQ AU TA AI	
SITE CHARACTERIZATION PLAN BASELINE					A T I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Е Г) N -
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.	DN	IС
	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.	DN	i C
	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.	Dł	a c
	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.	Dł	1 C

ACQN/DEVL LOCATION : USGS, DENVER, CO.

(

				D Q A U L T A O
	SITE CHARACTERIZATION PLAN BASELINE			ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS930531174121.002	FISSION-TRACK DATING OF THE CLIMAX AND GOLD MEADOWS STOCKS, NYE COUNTY, NEVADA, BY C.W. NAESAR AND FLORIAN MALDONADO	01/01/79-01/01/80	APATITE DATED BY POPULATION METHOD (NAESAR, C.W., 1976, FISSION-TRACK DATING: USGS OFR 76-190). ZIRCON AND SPHENE DATED BY EXTERNAL-DETECTOR METHOD (NAESAR, C.W., OP CIT.)	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
Activity - 8.3.1.19	.1.1			
*LL940800204241.000	ONGOING STUDIES OF MINEROLOGY AND FLUID CHEMISTRY FROM NEW ZEALAND HYDROTHERMAL SYSTEMS.	07/01/93-07/29/94	DATA ACQUIRED UNDER SUBCONTRACT TO INSTITUTE OF GEOLOGY AND NUCLEAR SCIENCES, WAIRAKEI RESEARCH CENTER, TAUPO, NEW ZEALAND. ALSO OBTAINED DURING SAMPLING TRIPS TO NEW ZEALAND. DATA ACQUIRED BY LITERATURE SEARCH AND THEIR OWN CHEMICAL, MINERALOGICAL, AND PETROLOGICAL ANALYSES.	ΑΝΡ
	ACQN/DEVL LOCATION : TAUPO VOLCANIC ZONE I	IN NEW ZEALAND		
Activity - 8.3.1.19	.1.4			
*LL940800404241.001	HYDROTHERMAL INTERACTION OF SOLID WAFERS OF TOPOPAH SPRING TUFF WITH J-13 WATER AT 90 AND 150 C, LONG-TERM EXPERIMENTS.	01/01/84-09/06/86	SOLID POLISHED WAFERS FROM DRILLCORE SAMPLES FROM USW G-1 (1232 FT BELOW SURFACE) WERE EXPOSED TO 50 BAR J-13 WATER FOR 304 DAYS AT 90 AND 150 C IN DICKSON-TYPE, GOLD BAG, ROCKING AUTOCLAVES. FLUID SAMPLES WERE TAKEN AT 0, 8, 15, 30, 121, 241, 303, AND 304 DAYS AND ANALYZED FOR CARBONATE ALKALINITY, PH, AND A COMPLETE SUITE OF CATIONS AND ANIONS. THE WAFERS WERE ANALYZED WITH SEM/EMP, WDS, XRD, AND IR SPECTROSCOPY.	A N P
	ACQN/DEVL LOCATION : LLNL, LIVERMORE, CA			

.

i.

(_____

555

(

 \leftarrow

556 SITE CHARACTERIZATION PLAN BASELINE		Е	D Q A U T A L T F	L O C A T	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		о N -
*LL940800904241.002	HYDROTHERMAL INTERACTION OF SOLID WAFERS OF TOPOPAH SPRING TUFF WITH J-13 WATER AT 90 AND 150 C, LONG-TERM EXPERIMENTS. THE FORMAL REPORT DESCRIBES THE DATA ANALYSIS AND COMPARISON WITH SHORT-TERM EXPERIMENTS.	01/01/84-09/06/86	SOLID POLISHED WAFERS FROM DRILLCORE SAMPLES FROM USW G-1 (1232 FT BELOW SURFACE) WERE EXPOSED TO 50 BAR J-13 WATER FOR 304 DAYS AT 90 AND 150 C IN DICKSON-TYPE, GOLD BAG, ROCKING AUTOCLAVES. FLUID SAMPLES WERE TAKEN AT 0, 8, 15, 30, 121, 241, 303, AND 304 DAYS AND ANALYZED FOR CARBONATE ALKALINITY, PH, AND A COMPLETE SUITE OF CATIONS AND ANIONS. THE WAFERS WERE ANALYZED WITH SEM/EMP, WDS, XRD, AND IR SPECTROSCOPY. THE FORMAL REPORT DESCRIBES THE ANALYSIS OF THE DATA AND COMPARISON WITH SHORT-TERM EXPERIMENTS.	DN	Ρ
	ACQN/DEVL LOCATION : LLNL, LIVERMORE, CA				
Activity - 8.3.1.19	0.2.1				
*LL940800604242.001	CHANGES IN PERMEABILITY AND FLUID CHEMISTRY OF THE TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFF (NTS) WHEN HELD IN A TEMPERATURE GRADIENT.	01/01/83-12/31/84	SURFACE SAMPLES OF TOPOPAH SPRING TUFF WERE MACHINED INTO HOLLOW CYLINDERS, HEATED TO 90, 150, AND 250C AT THE CENTER, AND J-13 WATER WAS FORCED THROUGH RADIALLY AT CONFINING PRESSURES OF 300 BARS AND PORE PRESSURES OF 100 BARS. PERMEABILITIES AND FLUID COMPOSITIONS WERE MEASURED OVER APPROXIMATELY 20 DAY PERIODS.	A N	P
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA.				

	SITE CHARACTERI	ZATION PLAN BASELIN	IE	DQ AU TA AL I	L O C A
				T F Y I	T I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACON/DEVL PERIOD	ACQN/DEVL METHOD	PE ED	0 N -
*LL940801004242.003	CHANGES IN PERMEABILITY AND FLUID CHEMISTRY OF THE TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFF (NTS) WHEN HELD IN A TEMPERATURE GRADIENT. SUMMARY OF RESULTS.	01/01/83-12/31/84	SURFACE SAMPLES OF TOPOPAH SPRING TUFF WERE MACHINED INTO HOLLOW CYLINDERS, HEATED TO 90, 150, AND 250C AT THE CENTER, AND J-13 WATER WAS FORCED THROUGH RADIALLY AT CONFINING PRESSURES OF 300 BARS AND PORE PRESSURES OF 100 BARS. PERMEABILITIES AND FLUID COMPOSITIONS WERE MEASURED OVER APPROXIMATELY 20 DAY PERIODS. THE RESULTS WERE PUBLISHED AND COMPARED WITH EARLIER EXPERIMENTS ON BULLFROG (CRATER FLAT) TUFF.	DN	Ρ
	ACQN/DEVL LOCATION : USGS, MENLO PARK, CA.				
Activity - 8.3.1.19	0.2.2				
*LL940803304242.004	DAILY LOG OF ACTIVITIES LEADING TO ELECTRICAL IMPEDANCE MEASUREMENTS USED TO DETERMINE SATURATION OF TOPOPAH	08/03/92-03/16/93	ELECTRICAL RESISTANCE MEASUREMENTS WERE USED TO DETERMINE SATURATION OF TOPOPAH SPRING TUFF. POROSITY WAS ALSO MEASURED.	A N	P

ACQN/DEVL LOCATION : LLNL, LIVERMORE, CA

SPRING TUFF.

*LL940803404242.005 DAILY LOG OF IMBIBITION AND 03/17/93-11/03/93 MEASUREMENTS OF IMBIBITION AND A N P CHARACTERIZATION OF ROCK WAFERS INCLUDES HYDROLOGICAL PROPERTIES AND IMPEDANCE MEASUREMENTS TO DETERMINE SATURATION. 3/17/93-11/03/93 MEASUREMENTS OF IMBIBITION AND A N P HYDROLOGICAL PROPERTIES OF TOPOPAH SPRING TUFF WAFERS.

ACQN/DEVL LOCATION : LLNL, LIVERMORE, CA

(X	558			_
				D Q A U T F A I	7 C 7 C
	SITE CHARACTERIZATION PLAN BASELINE		T F Y J	CA TI II	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD) N
*LL940803504242.006	ELECTRICAL PROPERTIES INCLUDING IMPEDANCE MAGNITUDE AND PHASE ANGLE AS FUNCTIONS OF FREQUENCY AND SATURATION IN TUFF CORES.	08/05/92-05/22/94	SATURATION LEVELS WERE DETERMINED BY WEIGHING THE SAMPLES AND COMPARING THOSE WEIGHTS TO DRY AND SATURATED WEIGHTS (FOR COMPARISON TO ELECTRICAL MEASUREMENTS).	DN	1 P
	ACQN/DEVL LOCATION : LLNL, LIVERMORE, CA				
Activity - 8.3.1.19	.4.1				
*LL940800504242.000	HYDROLOGICAL PROPERTIES OF TOPOPAH SPRING TUFF UNDER A THERMAL GRADIENT. LABORATORY RESULTS.	05/27/86-10/25/86	A NATURALLY FRACTURED DRILLCORE SAMPLE FROM USW H-6, 338 M DEPTH, WAS DRIED AND SATURATED IN J-13 WATER; ITS SATURATED AND DRY DENSITIES AND APPARENT FOROSITY WERE THEN MEASURED. THE SAMPLE WAS INSTRUMENTED WITH THERMOCOUPLES AND ELECTRODES, JACKETED, CONFINED AT 5 MPA, AND HEATED TO 160 C AT ONE END. J-13 FLUID WAS FORCED THROUGH IT FOR 5 MONTHS. ELECTRICAL RESISTANCE, TEMPERATURES, AND PORE PRESSURES WERE MEASURED. A DEHYDRATION/REHYDRATION CYCLE WAS INDUCED, AND FLOW REVERSAL WAS ALSO CONDUCTED. THE J-13 WATER CONTAINED A TRACER TO DETECT SILICA DEPOSITION. SATURATION PROFILES AND PERMEABILITIES WERE MEASURED. FRACTURE HEALING WAS OBSERVED.	Α	1 P
	ACQN/DEVL LOCATION : LLNL, LIVERMORE, CA				

*LL940800704242.002 HYDROLOGICAL PROPERTIES OF TOPOPAH SPRING TUFF UNDER A THERMAL GRADIENT. LABORATORY RESULTS. EXPERIMENTAL RESULTS WERE ANALYZED AND FORMALLY REFORTED. (5/27/86-10/25/86 D-13 FLUID WAS FORCED THROUGH A DRILLCORE D N P FOR 5 MONTHS. SATURATION PROFILES AND PERMEABILITIES WERE MEASURED. FRACTURE HEALING WAS OBSERVED. ANALYSIS OF THE RESULTS WAS DOCUMENTED IN A FORMAL REPORT.

ACQN/DEVL LOCATION : LLNL, LIVERMORE, CA

	SITE CHARACTERI	ZATION PLAN BASELIN	IE	DQ AUI TAC ALC	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACON/DEVL METHOD		I N
					-
*LL940800804244.001	PRELIMINARY CHARACTERIZATION DATA FOR THE LARGE BLOCK TEST. OBTAINED PRIMARILY TO SUPPORT CONSTRUCTION DECISIONS. INCLUDES PERMEABILITY, FRACTURE DENSITY AND INITIAL MOISTURE CONTENT.	03/03/93-02/25/94	FRACTURES WERE MANUALLY MAPPED. AIR PERMEABILITY OBTAINED BY SINGLE BOREHOLE AIR INJECTION TESTS. INITIAL MOISTURE CONTENT WAS DETERMINED BY NEUTRON LOGGING.	ΆΝΙ	₽
	ACQN/DEVL LOCATION : FRAN RIDGE				
Activity - 8.3.1.19	0.4.2				
*LL940800104244.000	COMPILATION OF INSULATING MATERIAL PROPERTIES FOR USE IN THE LARGE BLOCK TEST. DATA PROVIDED BY BNZ MATERIALS, INC.	04/05/93-05/29/94	DATA OBTAINED FROM THE MANUFACTURER. ALSO USED RIB DATA (CHAPTER 1 OF GEOPHYSICS SECTION 2, ITEMS 3 & 4). DATA USED TO CALCULATE BOUNDARY CONDITIONS FOR THE LARGE BLOCK TEST.	ANI	?
	ACQN/DEVL LOCATION : LLNL				
Activity - 8.3.1.19	.5.1				
*LL940800304245.000	DIESEL FUEL HYDROUS PYROLYSIS EXPERIMENTS. CONTAINS SAMPLING PROTOCOL AND EXPERIMENTAL SETUP ON EXPERIMENT DF.1. INFORMATION RECORDS TIME AND DATA AND AMOUNT OF THE TYPE OF SAMPLES TAKEN.	07/09/93-06/09/94	DICKSON-TYPE AUTOCLAVES ARE USED TO INVESTIGATE THE DESTRUCTION OF ORGANIC COMPOUNDS AT ELEVATED TEMPERATURES, TO DETERMINE THE CONSEQUENCE OF DIESEL SPILLS IN THE ESF OR REPOSITORY.	ANI	?
	ACQN/DEVL LOCATION : LLNL, LIVERMORE, CA				

_

 \leftarrow

(

((
Υ.		560		DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	I A T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
Activity - 8.3.2.2.	1.4			
SNL02040792001.001	EXPERIMENTAL MEASUREMENTS OF FRICTIONAL SLIDING IN A POLYCARBONATE ROCK MASS MODEL.	12/02/91-08/10/94	THE GEOMETRIC MOIRE METHOD IS IMPLEMENTED ON THE COMPUTER FOR THE ANALYSIS OF DISPLACEMENTS IN TWO DIMENSIONS.	ANP
	ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM			
*SNSAND86101500.000	SAND86-1015: "SUMMARY OF GEOMECHANICAL MEASUREMENTS TAKEN IN AND AROUND THE G-TUNNEL UNDERGROUND FACILITY, NTS". NNA.870526.0015	02/01/81-05/01/87	FIVE FIELD TESTING PROGRAMS WERE INITIATED IN THE GTUF, THESE ARE; GEOTECHNICAL MEASUREMENTS, SMALL-DIAMETER HEATER EXPERIMENTS, HEATED BLOCK EXPERIMENT, PRESSURIZED SLOT EXPERIMENT, AND WELDED TUFF MINING EVALUATIONS.	DNP
	ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM			
SNSAND92045000.000	SAND92-0450: "ROCK MASS MECHANICAL PROPERTY ESTIMATIONS FOR THE YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT"	10/15/91-06/01/93	ROCK MASS QUALITIES WERE ESTIMATED FROM REPRESENTATIVE INTACT ROCK AND JOINT MECHANICAL PROPERTIES SELECTED FOR WELDED AND NONWELDED TUFFS. THESE QUALITIES WERE ESTIMATED USING BOTH THE NORWEGIAN GEOTECHNICAL INSTITUTE (Q) AND GEOMECHANICS RATING (RMR) SYSTEMS. ROCK MASS MECHANICAL PROPERTIES WERE DEVELOPED BASED ON ESTIMATES OF ROCK MASS QUALITY, CURRENT KNOWLEDGE OF INTACT PROPERTIES, AND FRACTURE/JOINT CHARACTERISTICS. (SEE SAND92-0450 FOR MORE DETAIL).	D N C

ACON/DEVL LOCATION : SNL-SANDIA NATIONAL LABORATORY

DO AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE ΙA TFT YII PEO DATA TRACKING NO. TITLE/DESCRIPTION ACON/DEVL PERIOD ACON/DEVL METHOD EDN -----SNSAND93115700.000 SAND93-1157: "GEOMETRIC MOIRE METHOD OF 01/01/93-08/01/94 THE GEOMETRIC MOIRE METHOD IS IMPLEMENTED D N P STRAIN ANALYSIS WITH DISPLACEMENT ON THE COMPUTER FOR THE ANALYSIS OF DISCONTINUITIES." DISPLACEMENTS IN TWO DIMENSIONS. ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM SNSAND93236500.000 SAND93-2365: "LABORATORY MEASUREMENTS 01/01/93-08/01/94 GEOMETRICAL METHOD OF ANALYSIS OF MOIRE DNP OF FRICTIONAL SLIP ON INTERFACES IN A FRINGE ANALYSIS WAS USED TO EVALUATE THE POLYCARBONATE ROCK MASS MODEL." MAGNITUDE & EXTENT OF FRICTIONAL SLIDING IN A LAYERED POLYCARBONATE ROCK MASS MODEL

CONTAINING A CIRCULAR HOLE. SLIPS WERE OBSERVED IN CONFINED ZONES AROUND THE HOLE AND MICRON RESOLUTIONS WERE OBTAINED. A DIGITAL VIDEO IMAGE CAPTURE SYSTEM WAS USED TO RECORD IMAGES OF THE FRINGE PATTERNS DIRECTLY ONTO THE COMPUTER.

ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM

Activity - 8.3.2.4.1.1

SNF05110184001.001 G-TUNNEL MINING EVALUATION OF WELDED 09/17/82-04/29/88 KEYSTONE 6310-85-7: G-TUNNEL WELDED TUFF A N C TUFF TO REPOSITORY SCALE EXCAVATIONS FOR MODEL EVALUATIONS; INSTRUMENT PLACEMENT AND MEASUREMENT TECHNIQUES DURING MINING ACTIVITIES; AND MINING AND DRIFT STABILIZING TECHNIQUES TO SERVE AS PROTOTYPE FOR ES TESTING.

ACQN/DEVL LOCATION : G-TUNNEL, YUCCA MOUNTAIN, NEVADA

561

		562		D Q A U L
	SITE CHARACTERI	ZATION PLAN BASELIN	E	T A O A L C I A T F T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
SNL02021391002.001	DIRECT SHEAR TEST WITH DIFFERENT BOUNDARY CONDITIONS. NORMAL COMPRESSION AND SHEAR TESTS.	04/17/91-06/19/92	EP-44, "NORMAL COMPRESSION AND SHEAR TESTS ON ROCK JOINTS."	ANC
	ACQN/DEVL LOCATION : UNIVERSITY OF COLORAD	O AT BOULDER		
**SNSAND86713000.000	SAND86-7130: "LABORATORY DETERMINATION OF THE MECHANICAL, ULTRASONIC AND HYDROLOGIC PROPERTIES OF WELDED TUFF FROM THE GROUSE CANYON HEATED BLOCK SITE"	01/01/86-07/01/87	BULK DENSITY, MOISTURE CONTENT, PERCENT SATURATION, AND POROSITY WERE DETERMINED FROM SAMPLES COLLECTED FROM A FRESHLY BLASTED MUCK FILE 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 T
	ACQN/DEVL LOCATION : SNL			
SNSAND92185300.000	SAND92-1853: "EFFECT OF BOUNDARY CONDITIONS ON THE STRENGTH AND DEFORMABILITY OF REPLICAS OF NATURAL FRACTURES IN WELDED TUFF: DATA REPORT"	06/19/92-08/01/93	EP-44, "NORMAL COMPRESSION AND SHEAR TESTS ON ROCK JOINTS." FOUR SERIES OF CYCLIC DIRECT-SHEAR EXPERIMENTS WERE CONDUCTED ON SEVERAL REPLICAS OF THREE NATURAL FRACTURES AND A TENSILE FRACTURE OF WELDED TUFF FROM YUCCA MOUNTAIN. OBJECTIVE WAS TO EXAMINE THE EFFECT OF CYCLIC LOADING ON JOINT SHEAR BEHAVIOR UNDER DIFFERENT BOUNDARY CONDITIONS. SHEAR TESTS WERE PERFORMED UNDER EITHER DIFFERENT LEVELS OF CONSTANT NORMAL LOAD RANGING BETWEEN 0.6 AND 25.6 KIPS OR CONSTANT NORMAL STIFFNESS RANGING BETWEEN 14.8 AND 187.5 KIPS/IN. (FOR MORE DETAIL SEE SAND92-1853)	DNC

ACQN/DEVL LOCATION : UNIVERSITY OF COLORADO, BOULDER, CO

(

(

1

	SITE CHARACTERIZATION PLAN BASELINE			D Q A U T A A I T F Y I P F	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	E [N -
SNSAND92224700.000	SAND92-2247 "EFFECT OF BOUNDARY CONDITIONS ON THE STRENGTH AND DEFORMABILITY OF REPLICAS OF NATURAL FRACTURES IN WELDED TUFF. COMPARISON BETWEEN PREDICTED & OBSERVED SHEAR BEHAVIOR USING A GRAPHICAL METHOD."	08/01/90-06/01/93	FOUR SERIES OF CYCLIC DIRECT-SHEAR EXPERIMENTS CONDUCTED ON REPLICAS OF 3 NATURAL FRACTURES & A LABORATORY-DEVELOPED TENSILE FRACTURE OF WELDED TUFF FROM YUCCA MTN., NV TO TEST THE GRAPHICAL-LOAD-DISPLACEMENT ANALYSIS METHOD. BASED ON RESULTS OF SHEAR TESTS CONDUCTED ON JOINT REPLICAS UNDER DIFFERENT LEVELS OF CONSTANT NORMAL LOAD RANGING FROM 0.6 & 25.6 KIPS, THE SHEAR BEHAVIOR OF JOINT REPLICAS UNDER CONSTANT NORMAL STIFFNESS (14.8 & 187.5 KIPS/IN) WAS PREDICTED USING THE GRAPHICAL METHOD. PREDICTIONS WERE COMPARED TO THE RESULTS OF ACTUAL SHEAR TESTS CONDUCTED FOR THE SAME RANGE OF CONSTANT NORMAL STIFFNESS.	DN	1 5
	ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM UNIVERSITY OF COLORAD	O, BOULDER, CO			
SNSAND93707900.000	SAND93-7079: "EFFECT OF BOUNDARY CONDITIONS ON THE STRENGTH AND DEFORMABILITY OF REPLICAS OF NATURAL FRACTURES IN WELDED TUFF: DATA ANALYSIS."	08/01/90-06/01/93	CYCLIC DIRECT SHEAR EXPERIMENTS WERE CONDUCTED ON REPLICAS OF THREE NATURAL FRACTURES AND A LABORATORY-DEVELOPED TENSILE FRACTURE OF WELDED TUFF. TESTS WERE CARRIED OUT UNDER CONSTANT NORMAL LOADS OR CONSTANT NORMAL STIFFNESS WITH DIFFERENT INITIAL LOAD LEVELS. EACH TEST CONSISTED OF 5 CYCLES OF FORWARD AND REVERSE MOTION.	DN	IP

ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM UNIVERSITY OF COLORADO, BOULDER, CO

(

563

 $\overline{}$

(((
ζ.		564		DQ AUL TAO
	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
Activity - 8.3.3.2.	2.3			
*SNL10012694001.001	TEMPERATURES ALONG PROBES 1,3 AND 6 DURING THE HEATED BACKFILL EXPERIMENT.	03/01/94-04/01/94	LARGE STEEL CYLINDER WAS FILLED WITH CRUSHED TUFFACEOUS ROCK. THERMOCOUPLES PLACED ALONG PROBES IN THE ROCK RECORDED TEMPERATURES THROUGHOUT THE EXPERIMENT.	ANP
	ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM			
Activity - 8.3.5.4.	1.1			
**LLLLYMP9107104.000	SPENT FUEL HARDWARE ACTIVITIES AS A FUNCTION OF TIME (TO 1,000,000 YEARS)	10/01/89-09/30/90	CALCULATIONAL.	DNT
	ACQN/DEVL LOCATION : PNL			
Activity - 8.3.5.10	.2.1			
LLLLYMP9011018.000	RADIOCHEMICAL DATA FROM SPENT FUEL DISSOLUTION TESTS AT PNL (SERIES 2: CYCLES 3, 4 AND 5 AND SERIES 3.	08/01/85-08/31/87	RADIOCHEMICAL, CHEMICAL ANALYSES OF J-13 WATER FOLLOWING SATURATED SEMISTATIC DISSOLUTION TESTS WITH BARE AND CLAD SPENT FUEL AT 25 DEGREES AND 85 DEGREES C. ALSO, ANALYSES OF THE SPENT FUEL FOLLOWING THE TESTING.	ANC
	ACQN/DEVL LOCATION : LLNL			
LLLLYMP9104034.000	UPPER LIMIT STEADY-STATE CONCENTRATIONS OF RADIONUCLIDES IN J-13 WATER.	05/01/87-06/30/90	LABORATORY MEASUREMENTS OF STEADY STATE CONCENTRATIONS.	DNT

CALCULATIONS ARE FROM DATA REPORTED IN PNL 7169 AND PNL 7170, AND IN RECORD PACKAGES LLYMP9004172 AND LLYMP8908147.

ACQN/DEVL LOCATION : LLNL

DATA TRACKING NO. TITLE/DESCRIPTION ACON/DEVL PERIOD ACON/DEVL METHOD D LLLLYNP9110169.000 RATE OF GRAIN VOLUME FROMT PROPAGATION DO(3) TO U(100)69) AND ACTIVATION ENERGY FOR THIS RATE. 10/01/90-09/30/91 OPTICAL AND SCANNING ELECTRON D N C Activity - 6.3.5.10.2.2 ACON/DEVL LOCATION : FNL 04/01/85-10/08/85 SRL-165 GLASS MAS LEACHED WITH ERDITATION IN A SATURATED TOFF ENVIRONMENT. LONG-TERM ENFERIMENTS AT 10,000 RAD FER HOUR. 04/01/85-10/08/85 SRL-165 GLASS MAS LEACHED WITH EQUILIBRATED J-13 WATER AT 90C AND 10,000 FLUS OR MINUS 2,000 RAD FER HOUR. GAMMA FOR TIRES UP TO 182 DATS. A N P *LL940803251022.002 REACTION OF GLASS DURING GAMMA IRRADIATION IN A SATURATED TOFF ENVIRONMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD FER HOUR. FORMAL REPORT CONTAINS ANALISIS OF DATA. 04/01/85-10/08/85 SRL-165 GLASS WAS LEACHED WITH EQUILIBRATED J-13 WATER AT 90C AND 10,000 FLUS OR MINUS 2,000 RAD FER HOUR GAMMA FOR TIMES UP TO 182 DATS. FORMAL REPORT HAS DATA ANALYSIS. D N P *LL940803251022.002 REACTION OF GLASS AUTRATED TOFF ENVIRONMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD PER BOUR. FORMAL REPORT ALL SECONDARY PHASES IDENTIFIED. 04/01/85-10/08/95 SRL-165 GLASS MAS LEACHED WITH EQUILIBRATED J-13 WATER AT 90C AND 10,000 TIMES UP TO 182 DATS. FORMAL REPORT HAS DATA ANALYSIS. D N P LLLLYNF9108066.000 RATES OF NUCLEAR WASTE GLASS ALTERATION CAUSED BY DRIPPING GROUNDATER INTO MARTE FORMA TO C. THE DRIP THE GLASS ALTERATION CAUSED BY DRIPPING ROUNDATER INTO WASTER FORM AT 9 C. INCLUSS TABLE AT ALL SECO	SITE CHARACTERIZATION PLAN BASELINE			DQ AUL TAO ALC IA TFT YIJ	
LLLLYMP9110169.000 RATE OF GRAIN VOLUME FRONT PROPAGATION D0(2) TO U(4)O(9) AND ACTIVATION ENERGY FOR THIS RATE. 10/01/30-09/30/91 OPTICAL AND SCANNING ELECTRON MICROSCOPY (SEM). D N C ACQN/DEVL LOCATION : FNL ACQN/DEVL LOCATION : FNL ACQN/DEVL LOCATION : SATURATED TUFF INFADIATION IN A SATURATED TUFF INFADIATION IN A SATURATED TUFF ENVIRONMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD PER ROUR. 04/01/85-10/08/85 SEL-165 GLASS WAS LEACHED WITH SQUILIBRATED J-13 WATER AT 90C AND 10,000 PLUS OR MINUS 2,000 RAD PER HOUR GAMMA INFADIATION IN A SATURATED TUFF ENVIRONMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD PER ROUR. 04/01/85-10/08/85 SEL-165 GLASS WAS LEACHED WITH ROULIBRATED J-13 WATER AT 90C AND 10,000 PLUS OR MINUS 2,000 RAD PER HOUR GAMMA INFADIATION OF GLASS DURING GAMMA INFADIATION OF GLASS DURING GAMMA IN A SATURATED TUFF ENVIRONMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD PER HOUR. TORMAL REPORT ACQN/DEVL LOCATION : LINL 04/01/85-10/08/85 SEL-165 GLASS WAS LEACHED WITH ROULIBRATED J-13 WATER AT 90C AND 10,000 PLUS OR MINUS 2,000 RAD PER HOUR GAMMA FOR TIMES UP TO 182 DAYS. FORMAL REPORT HAS CONTAINS ANALYSIS OF DATA. 04/01/85-10/08/85 SEL-165 GLASS WAS LEACHED WITH ROULIBRATED MINI 90 CON RAD PER HOUR GAMMA FOR TIMES UP TO 182 DAYS. FORMAL REPORT HAS CONTAINS ANALYSIS OF DATA. 01/01/84-09/01/91 THE NUCLEAR WASTE GLASS ALTERATION CAUSED BY DRIPPING GROUNDWATE INTO CAUSED BY	DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACON/DEVL METHOD	
ACQN/DEVL LOCATION : FNL Activity - 8.3.5.10.2.2 *LI940803151022.001 REACTION OF GLASS DURING GAMMA IRADIATION IN A SATURATED TUFF ENVIRONMENT, LONG-TERM EXPERIMENTS AT 10,000 RAD FER HOUR. ACQN/DEVL LOCATION : ARGONNE NATIONAL LABORATORY *LI940803251022.002 REACTION OF GLASS DURING GAMMA IRRADIATION IN A SATURATED TUFF ENVIRONMENT, LONG-TERM EXPERIMENTS AT 10,000 RAD FER HOUR. AGMMA FOR IRRADIATION IN A SATURATED TUFF ENVIRONMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD FER HOUR. FORMAL REPORT ACQN/DEVL LOCATION : LINL LLLLYMP9108066.000 RATES OF NUCLEAR WASTE GLASS ALTERATION CAUSED BY DRIPPING GROUNDMATER INTO WASTE FORM AT 90 C. INCLUDES TABLE AT ALL SECONDARY PHASES IDENTIFIED. ACQN/DEVL LOCATION : LINL LLLYMP9108066.000 RATES OF NUCLEAR WASTE GLASS ALTERATION ACQN/DEVL LOCATION : LINL LLLYMP9108066.000 RATES OF NUCLEAR WASTE GLASS ALTERATION CAUSED BY DRIPPING GROUNDMATER INTO WASTE FORM AT 90 C. INCLUDES TABLE AT ALL SECONDARY PHASES IDENTIFIED. ACQN/DEVL LOCATION : LINL	LLLYMP9110169.000	RATE OF GRAIN VOLUME FRONT PROPAGATION UO(2) TO U(4)O(9) AND ACTIVATION ENERGY FOR THIS RATE.	10/01/90-09/30/91	OPTICAL AND SCANNING ELECTRON MICROSCOPY (SEM).	DNC
Activity - 8.3.5.10.2.2 *LL940803151022.001 REACTION OF GLASS DURING GAMMA IRRADIATION IN A SATURATED TUFF ENVIRONMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD PER HOUR. 04/01/85-10/08/85 SRL-165 GLASS WAS LEACHED WITH EQUILIBRATED J-13 WATER AT 90C AND 10,000 TIMES UP TO 182 DAYS. A N P *LL940803251022.002 REACTION OF GLASS DURING GAMMA IRRADIATION IN A SATURATED TUFF ENVIRONMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD PER HOUR. 04/01/85-10/08/85 SRL-165 GLASS WAS LEACHED WITH EQUILIBRATED J-13 WATER AT 90C AND 10,000 FUN KOMMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD PER HOUR. FORMAL REPORT ACQN/DEVL LOCATION : LINL 04/01/85-10/08/85 SRL-165 GLASS WAS LEACHED WITH EQUILIBRATED J-13 WATER AT 90C AND 10,000 FUN KOMMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD PER HOUR. FORMAL REPORT ACQN/DEVL LOCATION : LINL 04/01/85-10/08/85 SRL-165 GLASS WAS LEACHED WITH EQUILIBRATED J-13 WATER AT 90C AND 10,000 FUN KOMMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD PER HOUR. FORMAL REPORT ACQN/DEVL LOCATION : LINL 04/01/85-00/08/85 SRL-165 GLASS WAS LEACHED WITH EQUILIBRATED WASTE GLASS IS CONTACTED EVERY A Y C 3.5 DAYS BY 0.075 DROPS AT J-13 WALL WATER THAT WAS PRE-EQUILIBRATED WITH TOPOPAH SCHWING THE TOPO C. THE DRIP TEST IS ALSO FERFORMED AT 90 C. THE DRIP TEST IS ALSO FERFORMED AT 90 C. C. THE DRIP TEST IS ALSO FERFORMED AT 90 C. C. THE DRIP TEST IS ALSO FERFORMED AT 90 C. C. THE DRIP TEST IS ALSO FERFORMED BY CREMICAL ANALYSES AT THE WASTER THAT HAS CONTACTED THE GLASS. THE SUFFACE ALTERATION PRECIPITATES ARE CHARACTERLIZED BY SEXPERIMENTED SINCLUDING SCANNING AND ANALYTICAL ELECTRON MICROSCOPY.		ACQN/DEVL LOCATION : PNL			
 *LL940803151022.001 REACTION OF GLASS DURING GAMMA IRRADIATION IN A SATURATED TUFF IRRADIATION IN A SATURATED TUFF IRRADIATION IN A SATURATED TUFF IRRADIATION IN A SATURATED TUFF IRRADIATION IN A SATURATED TUFF ACON/DEVL LOCATION : ARGONNE NATIONAL LABORATORY *LL940803251022.002 REACTION OF GLASS DURING GAMMA IRRADIATION IN A SATURATED TUFF ENVIRONMENT, LONG-TERM EXPERIMENTS AT 10,000 RAD PER HOUR. FORMAL REPORT IRRADIATION IN A SATURATED TUFF ENVIRONMENT, LONG-TERM EXPERIMENTS AT 10,000 RAD PER HOUR. FORMAL REPORT IO,000 RAD PER HOUR. FORMAL REPORT CONTAINS ANALYSIS OF DATA. ACQN/DEVL LOCATION : LINL LLLLYMF9108066.000 RATES OF NUCLEAR WASTE GLASS ALTERATION CAUSED BY DRIPPING GROUNDWATER INTO CAUSED BY DRIPPING GROUNDWATER INTO ALL SECONDARY PHASES IDENTIFIED. 02/01/84-09/01/91 THE NUCLEAR WASTE GLASS IS CONTACTED EVERY A Y C 3.5 DAYS BY 0.075 DROPS AT J-13 WELL WATER ALL SECONDARY PHASES IDENTIFIED. 02/01/84-09/01/91 THE NUCLEAR WASTE GLASS INTERTION CAUSED BY DRIPPING GROUNDWATER INTO ALL SECONDARY PHASES IDENTIFIED. 02/01/84-09/01/91 THE NUCLEAR WASTE GLASS IS CONTACTED EVERY A Y C 3.5 DAYS BY 0.075 DROPS AT J-13 WELL WATER ALL SECONDARY PHASES IDENTIFIED. 02/01/84-09/01/91 THE NUCLEAR WASTE GLASS IS CONTACTED EVERY A Y C 3.5 DAYS BY 0.075 DROPS AT J-13 WELL WATER ALL SECONDARY PHASES IDENTIFIED. 02/01/84-09/01/91 THE NUCLEAR WASTE GLASS IS CONTACTED HERE) IS ALSO PERFORMED AT 90 C. INCLUDES TABLE AT ALL SECONDARY PHASES IDENTIFIED. 02/01/84-09/01/91 02/01/84-09/01/91 THAT WAS PRE-EQUILIBRATED WHEN AND ANALYTICAL ELECTRON MICROSCOPY. ACQN/DEVL LOCATION : LINL 	Activity - 8.3.5.10	0.2.2			
ACQN/DEVL LOCATION : ARGONNE NATIONAL LABORATORY **LL940803251022.002 REACTION OF GLASS DURING GAMMA IRRADIATION IN A SATURATED TUFF ENVIRONMENT. LONG-TERM EXPERIMENTS AT IO.000 RAD PER HOUR. FORMAL REPORT CONTAINS ANALYSIS OF DATA. ACQN/DEVL LOCATION : LLNL LLLLYMP9108066.000 RATES OF NUCLEAR WASTE GLASS ALTERATION CAUSED BY DRIPPING GROUMWATER INTO WASTE FORM AT 90 C, INCLUDES TABLE AT ALL SECONDARY PHASES IDENTIFIED. O2/01/84-09/01/91 THE NUCLEAR WASTE GLASS IS CONTACTED EVERY A Y C 3.5 DAYS BY 0.075 DROPS AT J-13 WATER AT 90 C, THE DRIPT REST IS ALL SECONDARY PHASES IDENTIFIED. ACQN/DEVL LOCATION : LLNL ACQN/DEVL LOCATION : LLNL	*LL940803151022.001	REACTION OF GLASS DURING GAMMA IRRADIATION IN A SATURATED TUFF ENVIRONMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD PER HOUR.	04/01/85-10/08/85	SRL-165 GLASS WAS LEACHED WITH EQUILIBRATED J-13 WATER AT 90C AND 10,000 PLUS OR MINUS 2,000 RAD PER HOUR GAMMA FOR TIMES UP TO 182 DAYS.	ANP
 *LL940803251022.002 REACTION OF GLASS DURING GAMMA IRRADIATION IN A SATURATED TUFF ENVIRONMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD FER HOUR. FORMAL REPORT CONTAINS ANALYSIS OF DATA. ACQN/DEVL LOCATION : LLNL LLLLYMP9108066.000 RATES OF NUCLEAR WASTE GLASS ALTERATION CAUSED BY DRIPPING GROUNDWATER INTO WASTE FORM AT 90 C, INCLUDES TABLE AT ALL SECONDARY PHASES IDENTIFIED. O2/01/84-09/01/91 THE NUCLEAR WASTE GLASS IS CONTACTED EVERY A Y C 3.5 DAYS BY 0.015 DROPS AT J-13 WELL WATER THAT WAS PRE-EQUILIBRATED WITH TOPOPAH ALL SECONDARY PHASES IDENTIFIED. O2/01/84-09/01/91 THE NUCLEAR WASTE GLASS IS CONTACTED EVERY A Y C 3.5 DAYS BY 0.015 DROPS AT J-13 WELL WATER THAT WAS PRE-EQUILIBRATED WITH TOPOPAH ALL SECONDARY PHASES IDENTIFIED. O2/01/84-09/01/91 THE NUCLEAR WASTE GLASS IS CONTACTED EVERY A Y C 3.5 DAYS BY 0.015 DROPS AT J-13 WELL WATER THAT WAS PRE-EQUILIBRATED WITH TOPOPAH ALL SECONDARY PHASES IDENTIFIED. O2/01/84-09/01/91 THE NUCLEAR WASTE GLASS IS CONTACTED THE GLASS. THE SUFFORMED AT 90 C. THE DRIP TEST IS ALSO PERFORMED AT 90 C. ELEMENTAL RELEASE FROM THE GLASS (REPORTED HEREY IS ALSO PERFORMED AT 90 C. ELEMENTAL RELEASE FROM THE GLASS (REPORTED HERE) IS DETERMINED BY CHEMICAL ANALYSES AT THE WATER THAT HAS CONTACTED THE GLASS. THE SUFFACE ALTERATION PRECIPITATES ARE CHARACTERIZED BY SEVERAL METHODS INCLUDING SCANNING AND ANALYTICAL ELECTRON MICROSCOPY. 		ACQN/DEVL LOCATION : ARGONNE NATIONAL LABO	DRATORY		
ACQN/DEVL LOCATION : LLNL LLLLYMP9108066.000 RATES OF NUCLEAR WASTE GLASS ALTERATION CAUSED BY DRIPPING GROUNDWATER INTO WASTE FORM AT 90 C, INCLUDES TABLE AT ALL SECONDARY PHASES IDENTIFIED. D2/01/84-09/01/91 THE NUCLEAR WASTE GLASS IS CONTACTED EVERY A Y C 3.5 DAYS BY 0.075 DROPS AT J-13 WELL WATER THAT WAS PRE-EQUILIBRATED WITH TOPOPAH SPRINGS TUFF AT 90 C. THE DRIP TEST IS ALSO PERFORMED AT 90 C. LEMEMENTAL RELEASE FROM THE GLASS (REPORTED HERE) IS DETERMINED BY CHEMICAL ANALYSES AT THE WATER THAT HAS CONTACTED THE GLASS. THE SUFFACE ALTERATION PRECIPITATES ARE CHARACTERIZED BY SEVERAL METHODS INCLUDING SCANNING AND ANALYTICAL ELECTRON MICROSCOPY.	*LL940803251022.002	REACTION OF GLASS DURING GAMMA IRRADIATION IN A SATURATED TUFF ENVIRONMENT. LONG-TERM EXPERIMENTS AT 10,000 RAD PER HOUR. FORMAL REPORT CONTAINS ANALYSIS OF DATA.	04/01/85-10/08/85	SRL-165 GLASS WAS LEACHED WITH EQUILIBRATED J-13 WATER AT 90C AND 10,000 PLUS OR MINUS 2,000 RAD PER HOUR GAMMA FOR TIMES UP TO 182 DAYS. FORMAL REPORT HAS DATA ANALYSIS.	DNP
LLLLYMP9108066.000 RATES OF NUCLEAR WASTE GLASS ALTERATION CAUSED BY DRIPPING GROUNDWATER INTO WASTE FORM AT 90 C, INCLUDES TABLE AT ALL SECONDARY PHASES IDENTIFIED. 02/01/84-09/01/91 THE NUCLEAR WASTE GLASS IS CONTACTED EVERY A Y C 3.5 DAYS BY 0.075 DROPS AT J-13 WELL WATER THAT WAS PRE-EQUILIBRATED WITH TOOPOPAH SPRINGS TUFF AT 90 C. THE DRIP TEST IS ALSO PERFORMED AT 90 C. ELEMENTAL RELEASE FROM THE GLASS (REPORTED HERE) IS DETERMINED BY CHEMICAL ANALYSES AT THE WATER THAT HAS CONTACTED THE GLASS. THE SURFACE ALTERATION PRECIPITATES ARE CHARACTERIZED BY SEVERAL METHODS INCLUDING SCANNING AND ANALYTICAL ELECTRON MICROSCOPY.		ACON/DEVL LOCATION : LLNL			
ACQN/DEVL LOCATION : LLNL	LLLLYMP9108066.000	RATES OF NUCLEAR WASTE GLASS ALTERATION CAUSED BY DRIPPING GROUNDWATER INTO WASTE FORM AT 90 C, INCLUDES TABLE AT ALL SECONDARY PHASES IDENTIFIED.	02/01/84-09/01/91	THE NUCLEAR WASTE GLASS IS CONTACTED EVERY 3.5 DAYS BY 0.075 DROPS AT J-13 WELL WATER THAT WAS PRE-EQUILIBRATED WITH TOPOPAH SPRINGS TUFF AT 90 C. THE DRIP TEST IS ALSO PERFORMED AT 90 C. ELEMENTAL RELEASE FROM THE GLASS (REPORTED HERE) IS DETERMINED BY CHEMICAL ANALYSES AT THE WATER THAT HAS CONTACTED THE GLASS. THE SURFACE ALTERATION PRECIPITATES ARE CHARACTERIZED BY SEVERAL METHODS INCLUDING SCANNING AND ANALYTICAL ELECTRON MICROSCOPY.	А Y С
		ACQN/DEVL LOCATION : LLNL			

565

(

(

 \leftarrow

1 566 DΩ AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE ΙΑ TFT YII PEO DATA TRACKING NO. TITLE/DESCRIPTION ACQN/DEVL PERIOD ACQN/DEVL METHOD EDN -----Activity - 8.3.5.10.5.1 *LL940803751051.000 LOGBOOK FOR ION MICROPROBE. DOCUMENTS 06/01/89-05/23/94 DATA ACQUIRED USING LLNL-YMP-TIP-PA-01, ANP DAY-TO-DAY ACTIVITIES IN THE LABORATORY AND 02 (TECHNICAL IMPLEMENTING PROCEDURES) INCLUDING SAMPLE MEASUREMENTS, . MAINTENANCE, TROUBLE-SHOOTING, AND SYSTEM CHANGES. ACQN/DEVL LOCATION : LLNL, LIVERMORE, CA LLLLYMP9305206.000 DRY BULK DENSITY, GRAIN DENSITY, 03/01/85-09/01/86 SOLID WAFERS OF GLASSY TUFF WERE REACTED DNT POROSITY. REACTION OF VITRIC TOPOPAH WITH A DILUTE GROUND WATER FOR SEVERAL SPRING TUFF AND J-13 GROUND WATER UNDER MONTHS AT 250, 250 AND 90 DEGREES C AT 100 HYDROTHERMAL CONDITIONS BAR PRESSURE IN DICKSON-TYPE, GOLD-BAG ROCKING AUTOCLAVES. THE IN SITU CHEMISTRY OF THE HYDROTHERMAL FLUIDS WAS MODELED AND THE CHEMICAL AFFINITIES FOR ALL POSSIBLE MINERAL PRECIPITATION REACTIONS FOR SPECIES CONTAINED WITHIN THE DATABASE WERE CALCULATED USING THE EQ3/6 PROGRAM.

ACQN/DEVL LOCATION : LLNL

				DQ AUL TAO ALC
	SITE CHARACTERI	ZATION PLAN BASELIN	Ε	I A T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
Activity - 8.3.5.10	0.5.2			
LLLLYMP9104035.000	LABORATORY DETERMINED SUCTION POTENTIAL OF TOPOPAH SPRINGS TUFF AT HIGH TEMPERATURES.	01/01/81-12/13/89	LABORATORY MEASUREMENTS OF SUCTION POTENTIAL.	DNT
	ACQN/DEVL LOCATION : LLNL			
LLLLYMP9108114.000	TWO PHASE FLOW MEASUREMENTS CONTAINED ON RECORD PACKAGE LLYMP9107074 (MAGNETIC TAPE).	01/01/84-05/31/91	TWO PHASE FLOW MEASUREMENTS MADE USING LLNL COMPUTER CONTROLLED TEST APPARATUS.	ANP
	ACQN/DEVL LOCATION : LLNL			
LLLLYMP9109192.000	DISSOLUTION AND PRECIPITATION KINETICS OF GIBBSITE AT 80 DEGREES C AND PH3: THE DEPENDENCE ON SOLUTION SATURATION STATE.	10/01/89-09/30/90	LABORATORY WET CHEMISTRY.	DNC
	ACQN/DEVL LOCATION : YALE UNIVERSITY			
LLLLYMP9305204.000	DRY BULK DENSITY AND POROSITY TRANSPORT PROPERTIES ON TOPOPAH SPRING TUFF	01/01/83-03/31/84	ELECTRICAL RESISTIVITY, ULTRASONIC P-WAVE VELOCITY AND WATER PERMEABILITY WERE MEASURED SIMULTANEOUSLY ON BOTH INTACT AND FRACTURED TOPOPAH SPRING TUFF SAMPLES AT A CONFINING PRESSURE OF 5.0 MPA, PORE PRESSURES TO 215 MPA, AND TEMPERATURES TO 140 DEGREES C. THE TESTED SAMPLES WERE SUBJECTED TO THREE DEHYDRATION AND REHYDRATION CYCLES.	DNT

ACQN/DEVL LOCATION : LLNL

(

567

		568			
				D Q A U T A	L O
	SITE CHARACTER	ZATTON PLAN BASELTN		A L T	ک م
DAMA MDACUTNO NO		ACON /DEVI. DEDIOD		T F Y I P E F D	T I O N
DATA TRACKING NO.					-
LLLLYMP9305205.000	DRY BULK DENSITY, GRAIN DENSITY, POROSITY. HYDROTHERMAL INTERACTION OF SOLID WAFERS OF TOPOPAH SPRING TUFF WITH J-13 WATER AND DISTILLED WATER AT 90, 150, AND 250 DEGREES C	03/01/84-06/01/85	THESE ROCK-WATER INTERACTIONS WERE CONDUCTED WITH SOLID POLISHED WAFERS CUT FROM BOTH DRILLCORE AND OUTCROP SAMPLES OF TOPOPAH SPRING TUFF USING BOTH A NATURAL GROUND WATER AND DISTILLED WATER AS THE REACTING FLUID. ALL EXPERIMENTS WERE RUN IN DICKSON-TYPE, GOLD BAG ROCKING AUTOCLAVES THAT WERE PERIODICALLY SAMPLED AT IN SITU CONDITIONS.	DN	т
	ACQN/DEVL LOCATION : LLNL				
Activity - 8.3.5.12	.2.1				
SNL19000000001.000	"SUBMITTAL OF LOGBOOK FOR POINT SOURCE MILLER SCALING EXPERIMENTS" WITH COVER LETTER.	02/16/90-04/19/90	POINT SOURCE MILLER SCALING EXPERIMENTS: LOGBOOK PAGE 1 (51/L19-1/15/90).	A N	P
	ACQN/DEVL LOCATION : SNL				
SNL19000000002.000	"SUBMITTAL OF LOGBOOK FOR POINT SOURCE MILLER SCALING EXPERIMENTS" WITH COVER LETTER.	02/16/90-04/19/90	POINT SOURCE MILLER SCALING EXPERIMENTS: LOGBOOK PAGE 1 (51/L19-1/15/90).	A N	P
	ACQN/DEVL LOCATION : SNL				
SNL1900000003.000	"SUBMITTAL OF LOGBOOK FOR POINT SOURCE MILLER SCALING EXPERIMENTS," WITH COVER LETTER.	04/19/90-06/29/90	POINT SOURCE MILLER SCALING EXPERIMENTS: LOGBOOK PAGE 1 (51/L19-1/15/90).	A N	P

ACQN/DEVL LOCATION : SNL

	SITE CHARACTER:	ZATION PLAN BASELIN	IE	D Q A U L T A O A L C I A T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
Activity - 8.3.5.12	.2.1.1			
SNL05110584001.001	DETERMINATION OF SATURATED PERMEABILITIES FROM USW G-1, USW GU-3, AND USW G-4 SAMPLES IN SUPPORT OF HYDROLOGIC PROPERTY VARIABILITY INVESTIGATIONS.	08/05/80-09/01/85	MEASUREMENTS WERE MADE ON TUFF SAMPLES OBTAINED FROM DRILL HOLES AT YUCCA MOUNTAIN. TESTS WERE CONDUCTED ON SAMPLES WITH A RANGE IN VOLUME FROM 2 TO 40 CUBIC METERS. DATA WAS COLLECTED USING A RUSKA LIQUID PERMEAMETER AND SC-10 PSYCHROMETER. (SEE LOGBOOK 4042 PG1 FOR MORE DETAIL)	ANC
	ACQN/DEVL LOCATION : PACIFIC NORTHWEST LAN	BORATORY		
SNL07110584001.001	DETERMINATION OF WATER RETENTION CHARACTERISTICS FROM USW G-1, USW GU-3, AND USW G-4 IN SUPPORT OF HYDROLOGIC PROPERTY VARIABILITY INVESTIGATIONS.	08/05/80-09/01/85	MEASUREMENTS WERE MADE ON TUFF SAMPLES OBTAINED FROM DRILL HOLES AT YUCCA MOUNTAIN. TESTS WERE CONDUCTED ON SAMPLES WITH A RANGE IN VOLUME FROM 2 TO 40 CUBIC METERS. DATA WAS COLLECTED USING A RUSKA LIQUID PERMEAMETER AND SC-10 PSYCHROMETER. (SEE LOGBOOK 4042 PG1 FOR MORE DETAIL)	ANC
	ACQN/DEVL LOCATION : PACIFIC NORTHWEST LAN	BORATORY		
SNL1900000004.000	TITLE/DESCRIPTION OF DATA: EVALUATION OF X-RAY ABSORPTION AND TRANSMITTED LIGHT AS FULL-FIELD, TWO-DIMENSIONAL MOISTURE-SENSING TECHNIQUES. EXPERIMENTS CONDUCTED BY V.C. TIDWELL AND R.J. GLASS; ASSISTED BY L. OREAR AND C.W. GINN. EXPERIMENT TITLES: 1) CALIB: GENERAL EXPERIMENT PROCEDURE, COMPILIATION OF COMPUTER CODES FOR DATA ACQUISITION-DATA ADJUSTMENT, SCALING, AND ANALYSIS; 2) CALIB 1: DATA FOR THE 0.42 - 0.30 MM SAND; 3) CALIB 2: DATA FOR THE 0.42 - 0.32 MM SAND; 4) CALIB 3: DATA FOR THE 0.59 - 0.21 MM SAND; 5) CALIB 4: DATA FOR THE 0.84 - 0.149 MM SAND.	05/05/91-08/31/91	IN BOTH THE X-RAY AND LIGHT TECHNIQUES, ELECTROMAGNETIC ENERGY IN THE FORM OF EITHER X-RAYS OR VISIBLE LIGHT IS PASSED THROUGH THE TEST MEDIA, AND THE MOISTURE-CONTENT DISTRIBUTION INTEGRATED OVER THE MEDIA'S THICKNESS IS MEASURED AS VARIATIONS IN THE TRANSMITTED X-RAY OR LIGHT INTENSITY FIELD.	A N C
	ACQN/DEVL LOCATION : SNL			

(

(-

		570				
	SITE CHARACTERI	ZATION PLAN BASELIN	E	D Q A U T A A I I T F		5) 2 4 6
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD			1
SNL19011590001.001	LOGBOOK FOR FULL FIELD INSTABILITY IN UNSATURATED FRACTURE EXPERIMENT	11/10/91-06/10/92	AN EXPERIMENTAL APPARATUS COMPOSED OF A ROTATING TEST STAND (RTS), FRACTURE TEST CELL, AND TRANSMITTED-LIGHT VISUALIZATION SYSTEM WAS DESIGNED TO FACILITATE OBSERVATION OF WETTING-FRONT ADVANCE IN TRANSPARENT ANALOGUE FRACTURES. DATA IS ACQUIRED BY A CHARGE-COUPLED-DEVICE (CCD) VIDEO CAMERA ATTACHED TO THE SUPERSTRUCTURE OF THE RTS AND FOCUSED ON THE FRACTURE PLANE. (SEE LOGBOOK PAGE 2 FOR A MORE DETAILED DESCRIPTION).	A N	IC	:
	ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM					
SNL19011590001.002	SCOPING STUDIES: GAS PERMEAMETER LABORATORY DATA	10/15/91-11/22/91	A GAS PERMEAMETER HAS BEEN BUILD THAT ALLOWS RAPID, PRECISE MEASUREMENT OF ROCK PERMEABILITY AT SCALES SPANNING FOUR ORDER OF MAGNITUDE ON A PER-VOLUME BASIS. THE PERMEAMETER CONSISTS OF A SERIES OF VALVED FLOW METERS AND A PRESSURE GAUGE WHICH ARE CONNECTED TO A SOURCE OF NITROGEN. A SPECIALLY ADAPTED NOZZLE, THE DIAMETER OF WHICH DEFINES THE SCALE OF MEASUREMENT, IS USED TO ESTABLISH A KNOWN BOUNDARY CONDITION ON THE ROCK SURFACE. DATA WAS COLLECTED FROM A SLAB OF DENSELY WELDED VOLCANIC TUFF MEASURING 0.9M BY 0.9M BY 2.5CM (SEE STANDARD OPERATING PROCEDURE FOR LABORATORY GAS PERMEAMETER TESTING, PG 1 OF SCOPING STUDY FOR GAS PERMEAMETER LABORATORY DATA).	AN	IC	:

l

(

ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM

ł

				AUL	
	SITE CHARACTERI	ZATION PLAN BASELIN	IF.	TAO ALC TA	
			_	T F T Y I I	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN	
SNSAND87238000.000	HYDRAULIC CONDUCTIVITY, BULK DENSITY,	08/21/82-12/01/87	THE DATA ANALYZED IN THIS REPORT CONSIST	DNT	

WATER RETENTION, AND CURVE FIT PARAMETER OF MEASUREMENTS MADE ON TUFF SAMPLES DATA. SAND87-2380: "STATISTICAL OBTAINED FROM CORES TAKEN FROM THREE DRILL ANALYSIS OF HYDROLOGIC DATA FOR YUCCA HOLES AT YUCCA MOUNTAIN. THE CYLINDRICAL MOUNTAIN" CORES WERE ABOUT 6 CM IN DIAMETER AND 6 TO 20 CM LONG. SAMPLES WERE TAKEN FROM EACH OF THE FUNCTIONAL UNITS WITHIN EACH DRILL HOLE, AT VARIOUS DEPTHS WITHIN EACH UNIT, USUALLY 10 M OR MORE APART. STATISTICAL ANALYSES WERE MADE FROM FOUR HYDRAULIC VARIABLES: SATURATED-MATRIX HYDRAULIC CONDUCTIVITY; MAXIMUM MOISTURE CONTENT; SUCTION HEAD; AND GROUNDWATER TRAVEL TIME.

ACON/DEVL LOCATION : SANDIA NATIONAL LABORATORIES, ALBUQUERQUE, NM

Activity - 8.3.5.12.2.2

SNL1900000001.000 "SUBMITTAL OF LOGBOOK FOR POINT SOURCE 02/16/90-04/19/90 POINT SOURCE MILLER SCALING EXPERIMENTS: A N P MILLER SCALING EXPERIMENTS" WITH COVER LETTER. 02/16/90-04/19/90 POINT SOURCE MILLER SCALING EXPERIMENTS: A N P

ACQN/DEVL LOCATION : SNL

SNL1900000002.000 "SUBMITTAL OF LOGBOOK FOR POINT SOURCE 02/16/90-04/19/90 POINT SOURCE MILLER SCALING EXPERIMENTS: A N P MILLER SCALING EXPERIMENTS" WITH COVER LETTER. 02/16/90-04/19/90 POINT SOURCE MILLER SCALING EXPERIMENTS: A N P

ACQN/DEVL LOCATION : SNL

		572			
				DΩ	
				ΑU	L
				ТА	0
				A L	С
	SITE CHARACTERI	ZATION PLAN BASELIN	E	I	Α
				ΤF	т
				ΥI	I
				PE	0
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	ΕD	N
					-
SNL1900000003.000	"SUBMITTAL OF LOGBOOK FOR POINT SOURCE MILLER SCALING EXPERIMENTS," WITH COVER LETTER.	04/19/90-06/29/90	POINT SOURCE MILLER SCALING EXPERIMENTS: LOGBOOK PAGE 1 (51/L19-1/15/90).	A N	P

(

ACQN/DEVL LOCATION : SNL

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

(

(--
		574		
				DQ AUL TAO ALC
	SITE CHARACTERIZATION	I PLAN BASELINE - PR	OTOTYPE	I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
GS920908312244.001	AIR-INJECTION TESTING/PRESSURES AND TEMPERATURES AT APACHE LEAP TUFF SITE, SUPERIOR, AZ	12/11/90-05/20/91	PROTOTYPE DATA WERE COLLECTED USING BEST SCIENTIFIC PRACTICES AND RECORDED IN A NOTEBOOK OR RECORDED AS INSTRUMENT READINGS ON FLOPPY DISKS AND REDUCED USING THE PROGRAM WHICH IS INCLUDED ON THE DISKS.	ΑΝΟ
	ACQN/DEVL LOCATION : 33 18'00"N 111 04'10"	W		
GS920912331210.002	A PRELIMINARY STUDY OF THE CHEMISTRY OF FORE WATER EXTRACTED FROM TUFF BY ONE-DIMENSIONAL COMPRESSION BY C.A. PETERS, I.C. YANG, J.D. HIGGINS, AND P.A. BURGER	07/01/91-07/01/92	WATEQF, FREELANCE AND MINITAB COMPUTER PROGRAMS WERE USED TO DETERMINE GEOCHEMICAL SATURATION STATES, PRODUCE GRAPHS AND ANALYZE DATA STATISTICALLY, RESPECTIVELY.	DNC
	ACQN/DEVL LOCATION : USGS, DFC, DENVER, CO)		
GS930201233124.001	WET AND DRY DRILLING DATA & LITHOLOGIC DATA FROM BOREHOLES DRILLED IN THE G-TUNNEL UNDERGROUND FACILTY (GTUF) AND G-TUNNEL	11/14/88-12/20/88	PROTOTYPE TESTING.	ANP
	ACQN/DEVL LOCATION : U12G DD-2 U12G WD2 U12G12 DD1 U12G12 WD1			
GS930201233124.002	THE EFFECTS OF WET AND DRY DRILLING FLUIDS ON IN-SITU HYDROLOGIC CONDITIONS OF TUFFACEOUS ROCK: 1. BOREHOLE DRILLING AND LITHOLOGY, BY M.P. CHORNACK AND ALAN A. FLINT	01/01/89-02/03/93	DATA COLLECTED DURING DRILLING OPERATIONS WAS COMPILED AND REPORTED.	DNP
	ACQN/DEVL LOCATION : USGS HRF, NTS, NV USGS, DENVER, CO			

	SITE CHARACTERIZATION	I PLAN BASELINE - PR	ROTOTYPE	D Q A U L T A O A L C I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*G\$930312331210.001	PORE-WATER EXTRACTION FROM UNSATURATED TUFF BY TRIAXIAL AND ONE-DIMENSIONAL COMPRESSION METHODS, NEVADA TEST SITE, NEVADA, BY T.E. MOWER, J.D. HIGGINS, I.C. YANG AND C.A. PETERS	05/01/93-12/31/93	INTERPRETATION OF PLOTS OF PORE WATER EXTRACTION DATA THAT ARE INCLUDED IN THE REFORT	DNP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS930912331210.002	PORE-WATER EXTRACTION FROM UNSATURATED TUFFS USING ONE-DIMENSIONAL COMPRESSION, BY TIMOTHY E. MOWER, J.D. HIGGINS AND IN CHE YANG	01/01/90-12/27/90	ONE DIMENSIONAL COMPRESSION FOR EXTRACTING PORE-WATER WAS TESTED USING A THICK STEEL CYLINDER TO CONFINE THE CORE. RESULTING MECHANICAL DATA ARE SUMMARIZED IN TABULAR FORM.	DNC
	ACQN/DEVL LOCATION : USGS, DENVER, CO			
GS940201236221.001	SEASONAL OCCURRENCES OF OSTRACODES IN LAKES AND STREAMS OF THE SAN FRANCISCO PENINSULA, CALIFORNIA, BY CLAIRE CARTER	05/01/89-05/01/90	FRESH WATER OSTRACODES WERE SAMPLED, PICKED ONTO MICROPALEONTOLOGICAL SLIDES, IDENTIFIED, AND COUNTED. WATER SURFACE, AIR, AND SEDIMENT TEMPERATURES WERE MEASURED AND COMPARED TO FAUNA LEVELS.	ANC
	ACQN/DEVL LOCATION : SAN FRANCISCO PENINSU	ULA, CA		
*GS940812331210.003	FRACTURE DENSITY ANALYSIS - UE-25 UZ#4	07/01/89-09/30/89	MICROSCOPIC EXAMINATION OF THIN SECTIONS TO DETERMINE FRACTURE DENSITY WITHIN PHENOCRYSTS.	ANP
	ACQN/DEVL LOCATION : USGS, DENVER, CO			

 $\overline{}$

		576		D (A U	лг 5
				T Z A I	A O L C
	SITE CHARACTERIZATION	PLAN BASELINE - PR	OTOTYPE	т	I A F T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y P 1 E 1	II EO DN
*GS940812331210.004	TRIAXIAL- AND UNIAXIAL-COMPRESSION TESTING METHODS DEVELOPED FOR EXTRACTION OF PORE WATER FROM UNSATURATED TUFF, YUCCA MOUNTAIN, NEVADA, BY T.E. MOWER, J.D. HIGGINS AND I.C. YANG	01/01/89-12/05/89	MECHANICAL DATA FROM PORE EXTRACTION TESTS WERE CATEGORIZED ACCORDING TO DEGREE OF WELDING. PORE-WATER VOLUME EXTRACTED WAS PLOTTED VERSUS INITIAL MOISTURE CONTENT FOR BOTH UNIAXIAL AND TRIAXIAL COMPRESSION. TO COMPARE METHODS, INITIAL MOISTURE CONTENT WAS PLOTTED VERSUS PORE-WATER VOLUME EXTRACTED FOR NON-WELDED TUFF.	DI	N P
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
GS940912331210.005	PNEUMATIC TESTING IN 45-DEGREE INCLINED BOREHOLES IN ASH-FLOW TUFF NEAR SUPERIOR, AZ	06/01/92-03/01/93	HAND CALCULATIONS OF RAW DATA	DI	NP
	ACQN/DEVL LOCATION : USGS, DENVER, CO				
SNF0400000001.000	G-TUNNEL PRESSURIZED SLOT-TESTING DATA	12/09/85-04/29/88	TEST PLAN: G-TUNNEL PRESSURIZED SLOT TESTING; FEBRUARY 1986; SNL KEYSTONE DOCUMENT 6310-85-6	A	NC
	ACQN/DEVL LOCATION : G-TUNNEL UNDER GROUND	FACILITY, NTS			
SNF20000000001.000	MISTY ECHO TUNNEL DYNAMICS EXPERIMENT DATA REPORT VOLUME I, VOLUME II	12/10/88-12/10/88	DATA WAS ACQUIRED BY VARIOUS GEOTECHNICAL MEASUREMENT METHODS, AND BY RECORDING VISUAL IMAGES ON HIGH SPEED CAMERAS. SEE SAND89-0972 FOR DETAILED DESCRIPTION	A	NC

ACQN/DEVL LOCATION : "N" TUNNEL, NTS

(

DO AUL TAO ALC SITE CHARACTERIZATION PLAN BASELINE - PROTOTYPE ΙA TFT YII PEO DATA TRACKING NO. TITLE/DESCRIPTION ACQN/DEVL PERIOD ACQN/DEVL METHOD EDN SNF30050393001.001 SNL NORTH RAMP STARTER TUNNEL ROCK-MASS 05/03/93-07/14/93 MAKE DISPLACEMENT MEASUREMENTS USING A ANC MONITORING DATA: PLOTS OF DRIFT TAPE EXTENSOMETER; CHECK ROCK BOLT LOAD CONVERGENCE AND CONVERGENCE RATE FOR ESF CELL DATA BY READINGS WITH A VOLTMETER. STARTER TUNNEL; AND PLOTS OF ROCK BOLT LOAD CELLS. ACON/DEVL LOCATION : NEVADA TEST SITE - NORTH PORTAL/ESF STARTER TUNNEL SNF30050393001.002 SNL NORTH RAMP STARTER TUNNEL ROCK-MASS 06/01/93-09/30/93 MAKE DISPLACEMENT MEASUREMENTS USING A ANC MONITORING DATA: PLOTS OF DRIFT TAPE EXTENSOMETER; CHECK ROCK BOLT LOAD CONVERGENCE AND CONVERGENCE RATE FOR ESF CELL DATA BY READINGS WITH A VOLTMETER. STARTER TUNNEL; AND PLOTS OF ROCK BOLT LOAD CELLS. ACON/DEVL LOCATION : NEVADA TEST SITE-NORTH PORTAL/ESF STARTER TUNNEL SNF30050393001.003 SNL NORTH RAMP STARTER TUNNEL ROCK-MASS 06/01/93-12/14/93 MAKE DISPLACEMENT MEASUREMENTS USING A ANC MONITORING DATA: PLOTS OF DRIFT TAPE EXTENSOMETER; CHECK ROCK BOLT LOAD CONVERGENCE AND CONVERGENCE RATE FOR ESF CELL DATA BY READINGS WITH A VOLTMETER. STARTER TUNNEL; AND PLOTS OF ROCK BOLT LOAD CELLS. ACON/DEVL LOCATION : NEVADA TEST SITE-NORTH PORTAL/ESF STARTER TUNNEL **SNF30050393001.004 SNL NORTH RAMP STARTER TUNNEL ROCK-MASS 06/01/93-03/29/94 MAKE DISPLACEMENT MEASUREMENTS USING A ANC MONITORING DATA: PLOTS OF DRIFT TAPE EXTENSOMETER; CHECK ROCK BOLT LOAD CONVERGENCE AND CONVERGENCE RATE FOR ESF CELL DATA BY READINGS WITH A VOLTMETER. STARTER TUNNEL; AND PLOTS OF ROCK BOLT

ACQN/DEVL LOCATION : NEVADA TEST SITE-NORTH PORTAL/ESF STARTER TUNNEL

LOAD CELLS.

577

		578		DO
				A Ũ L T A O A L C
	SITE CHARACTERIZATION	V PLAN BASELINE - PR	OTOTYPE	I A T F T Y I I P F O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*SNF30050393001.005	SNL NORTH RAMP STARTER TUNNEL ROCK-MASS MONITORING DATA: PLOTS OF DRIFT CONVERGENCE AND CONVERGENCE RATE FOR ESF STARTER TUNNEL; AND PLOTS OF ROCK BOLT LOAD CELLS.	06/01/93-07/06/94	MAKE DISPLACEMENT MEASUREMENTS USING A TAPE EXTENSOMETER; CHECK ROCK BOLT LOAD CELL DATA BY READINGS WITH A VOLTMETER. A PORTION OF THIS DATA WAS COLLECTED ON A DATA LOGGER, MODEL: CAMPBELL CR-10.	ANP A
	ACQN/DEVL LOCATION : NEVADA TEST SITE-NOR: YUCCA MTN	TH PORTAL/ESF STARTE	R TUNNEL,	
SNL0200000001.000	LINEAR CUTTING TEST RESULTS FOR CUTTER 84HCT.	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	ANC
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF M	INES, GOLDEN, CO		
SNL0200000002.000	LINEAR CUTTING TEST RESULTS FOR CUTTER AM1723.	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	ANC
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF M	INES, GOLDEN, CO		
SNL0200000003.000	LINEAR CUTTING TEST RESULTS FOR CUTTER A30581.	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	ANC
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF M	INES, GOLDEN, CO		
SNL0200000004.000	LINEAR CUTTING TEST RESULTS FOR CUTTER SYS35.	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR TEST CUTTING/COLLECT METHOD MANUAL AND ELECTRONIC	ANC
	ACON/DEVL LOCATION : COLORADO SCHOOL OF MI	INES, GOLDEN, CO		

ł

(

	SITE CHARACTERIZATION	PLAN BASELINE - PR	OTOTYPE	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	YII PEO EDN
SNL0200000005.000	LINEAR CUTTING TEST SIEVE ANALYSIS RESULTS FOR CUTTER 84HCT	07/19/91-09/30/91	EARTH MECHANIC INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	ANC
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MI	NES, GOLDEN, CO		
SNL0200000006.000	LINEAR CUTTING TEST FOR SIEVE ANALYSIS RESULTS FOR CUTTER AM1723	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	ANC
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MI	NES, GOLDEN, CO		
SNL0200000007.000	LINEAR CUTTING TEST SIEVE ANALYSIS RESULTS FOR CUTTER A30581	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	ANC
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MI	NES, GOLDEN, CO		
SNL0200000008.000	LINEAR CUTTING TEST SIEVE ANALYSIS RESULTS FOR CUTTER SYS35	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL OR ELECTRONIC	ANC
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MI	NES, GOLDEN, CO		
SNL0200000009.000	LINEAR CUTTER MACHINE LABORATORY LOGBOOKS (3)	07/19/91-09/30/91	EARTH MECHANICS INSTITUTE LINEAR CUTTING TEST/COLLECT METHOD MANUAL AND ELECTRONIC	ANC
	ACQN/DEVL LOCATION : COLORADO SCHOOL OF MI	NES, GOLDEN, CO		
SNL05000000002.000	DETERMINATION OF MATRIX SATURATED CONDUCTIVITIES AND FRACTURE SATURATED PERMEABILITIES IN SUPPORT OF HYDROLOGY CALCULATIONS	09/20/83-01/04/84	DATA COLLECTED USING A RUSKA LIQUID PERMEAMETER	ANC
	ACQN/DEVL LOCATION : PACIFIC NORTHWEST LAB	ORATORY		

 \leftarrow

(((
		580		
	SITE CHARACTERIZATION	PLAN BASELINE - PR	OTOTYPE	D Q A U L T A O A L C I A T F T Y I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
SNL0500000003.000	MEASUREMENTS OF SATURATED HYDRAULIC CONDUCTIVITIES FROM USW G-1, USW G-4 AND BUSTED BUTTE SAMPLES IN SUPPORT OF HYDROLOGIC CALCULATIONS AND TO DETERMINE PERMEABILITY VARIATION	09/01/84-09/30/84	DATA WAS COLLECTED USING A RUSK LIQUID PERMEAMETER AND A SAMPLE CHANGER (SC-10) PSYCHROMETER	ANC
	ACQN/DEVL LOCATION : PACIFIC NORTHWEST LAB	ORATORY		
SNL0500000004.000	DETERMINATION OF SATURATED MATRIX PERMEABILITY IN SUPPORT OF HYDROLOGIC CALCULATIONS DATA USED FOR PRELIMINARY ESTIMATION OF HYDROLOGY OF UNITS ABOVE THE WATER TABLE	07/05/83-07/05/83	PERMEABILITY MEASUREMENTS WERE CONDUCTED ON WAFERS 3/4" (1.9CM) THICK - 2 1/8" (5.4CM) DIAMETER. THE SAMPLE WAS PLACED BETWEEN 2 METAL END CAPS AND JACKETED WITH SILICION RUBBER AND TEFLON TUBING. THE SAMPLE WAS THEN VACUUM SATURATED WITH WATER PROVIDED BY SANDIA AND THEN SATURATED SAMPLE WAS PLACED IN A PRESSURE VESSEL.	ANC
	ACQN/DEVL LOCATION : PACIFIC NORTHWEST LAB	ORATORY		
SNL07000000002.000	DETERMINATION OF WATER CHARACTERISTICS	09/01/84-09/30/84	DATA COLLECTED USING A RUSKA LIQUID	ANC

1

SNL0700000002.000 DETERMINATION OF WATER CHARACTERISTICS 09/01/84-09/30/84 DATA COLLECTED USING A RUSKA LIQUID OF MATRIX FROM G-1 AND BUSTED BUTTE IN PERMEAMETER AND SC-10 PSYCHROMETER SUPPORT OF UNSATURATED HYDROLOGIC CALCULATIONS AND TO INVESTIGATE EXPERIMENTAL SATURATION PROCEDURES

ACQN/DEVL LOCATION : PACIFIC NORTHWEST LABORATORY

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

.....

581

(

Ć

		582		D Q A U L
	SITE CHARACTERIZATION	PLAN BASELINE - PR	OTOTYPE	TAO ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
SNL12011393001.003	NICKEL SORPTION ONTO DIFFERENT SUBSTRATE. SUBSTRATES USED WERE WEDRON 510 SAND, SYNTHETIC GOETHITE, AND ACID-WASHED MIN-U-SIL QUARTZ.	03/26/93-09/20/93	DATA OBTAINED BY BATCH SORPTION METHODS; NICKEL ANAYLZED BY ATOMIC ABSORPTION; DATA REDUCED USING EXCEL SPREAD SHEET.	ANC
	ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM			
*SNL12011393001.004	SORPTION PROPERTIES OF WEDRON 510 SAND, NICKEL (NI), BROMIDE (BR), & LITHIUM (LI) (DATA COLLECTION AND ANALYSES)	06/01/92-03/04/94	NICKEL SORPTION WAS MEASURED IN BATCH EXPERIMENTS AT SOLID:SOLUTION RATIOS OF APPROXIMATELY 1:1 OVER THE PH RANGE 5 TO 9.5. EXPERIMENTS WERE CARRIED OUT UNDER ATMOSPHERIC OR CARBON-DIOXIDE-FREE CONDITIONS IN 0.01 OR 0.001 M SODIUM-CHLORIDE IN 40ML POLYCARBONATE (PC) OR PA CENTRIFUGE TUBES. BATCH STUDIES OF SORPTION OF LITHIUM & BROMIDE BY WEDRON 510 SAND IN 0.001 M SODIUM-CHLORIDE UNDER ATMOSPHERIC CONDITIONS WERE CARRIED OUT IN 40ML PC CENTRIFUGE TUBES. AFTER ALLOWING SAMPLES TO PRE-EQUILIBRATE FOR SIX DAYS, THEY WERE ANALYZED FOR LITHIUM BY ATOMIC ADSORPTION & FOR BROMIDE BY ION-SPECIFIC ELECTRODE.	A N C
	ACQN/DEVL LOCATION : SNL, ALBUQUERQUE, NM			

SNL12072193001.001 NOTEBOOK MIT-SAND-AC-6869-1 IN SUPPORT OF "DEVELOPMENT OF METHODS TO EVALUATE URANIUM DISTRIBUTION COEFFICIENTS IN UNSATURATED MEDIA". 12/01/92-10/01/93 UNSATURATED SORPTION MEASUREMENTS USING A N C TURBULA MIXER, ANALYSIS BY ICP.

ACQN/DEVL LOCATION : MIT, CAMBRIDGE, MA

t

	SITE CHARACTERIZATION	PLAN BASELINE - PR	ototype	DQ AUL TAO ALC IA TFT
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N
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).	DNC
	ACQN/DEVL LOCATION : SNL			
**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."	06/30/82-12/31/84	TUFFACEOUS CORE MATERIALS TAKEN FROM DRILL HOLES USW GU-3 AND USW G-4 AT YUCCA MOUNTAIN, NEVADA TEST SITE. DEVELOPED DATA WAS TAKEN FROM TEST'S THAT WERE RUN ON CYLINDERS 1.4 BY 1.2 CM (DIAMETER BY LENGTH) THAT WERE SUBCORED FROM THE ORIGINAL CORE SAMPLES. WATER SOLUTION USED IN TESTING THE HYDRAULIC PROPERTIES WAS OF LOW IONIC STRENGTH AND HAD A COMPOSITION SIMILAR TO THE GROUND WATER NEAR THE TEST WELL.	D N T
	ACQN/DEVL LOCATION : PACIFIC NORTHWEST LABOR SANDIA NATIONAL LABOR	ORATORIES ATORIES		
TMUSWG20000091.001	BOREHOLE LOGGING (1991) USW G-2 AT YUCCA MOUNTAIN NEVADA. LOGGER'S LOG.	01/03/91-01/21/91	A DIVERSE GEOPHYSICAL LOGGING PROGRAM WAS CONDUCTED IN BOREHOLE USW G-2 AT YUCCA MOUNTAIN, NEVADA. THE PURPOSE OF THE OPERATION WAS TO COLLECT A VARIETY OF DENSITY LOG DATA IN SUPPORT OF A USGS CALIBRATION STUDY AND TO COLLECT GEOCHEMICAL LOGGING DATA TO SUPPORT YMPO EVALUATION OF THE NEW GEOCHEMICAL LOGGING DEVICES.	ΑΝС
	ACQN/DEVL LOCATION : WELL # USW G-2 LOCATIO	ON AREA 25		

 $\overline{}$

 $(\$

(

		584				
				DÇ	2	
				ΑÜ	JΙ	Ĺ.
				ΤA	¥ C	S
				AI	٦ c	С
	SITE CHARACTERIZATI	ON PLAN BASELINE - PF	OTOTYPE	I	í P	A
				ΤF	(T	Г
				ΥI	1 I	ſ
				ΡE	s c	С
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACON/DEVL METHOD	ΕD) N	N
						-

l

				DQ AUL TAO ALC
	SOCIOEC	ONOMIC PLAN		I A T F T V T T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
TM00012561T1AB.006	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECCNOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, OCTOBER 1990 THROUGH DECEMBER 1990	10/01/90-12/31/90	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 1 OF THE SMMP	АΝТ
	ACQN/DEVL LOCATION : T&MSS			
TM00012561T1AB.007	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, JANUARY 1991 THROUGH MARCH 1991	01/01/91-03/31/91	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 1 OF THE SMMP	ANT
	ACQN/DEVL LOCATION : T&MSS			
TM00012561T1AB.008	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, APRIL 1991 THROUGH JUNE 1991	04/01/91-06/30/91	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SP	АΝТ
	ACQN/DEVL LOCATION : T&MSS			
TM00012561T1BA.005	RAW DATA OF LAS VEGAS GAMING REVENUES AND TOURISM.	02/01/90-02/01/90	STATISTICAL ANALYSIS OF HISTORIC CHANGES IN LAS VEGAS TOURISM AND GAMING REVENUE BASED ON SECONDARY DATA.	ANP
	ACQN/DEVL LOCATION : T&MSS			
TM00012561T1BB.001	YUCCA MOUNTAIN PROJECT SOCIOECONOMIC MONITORING PROGRAM DATA REPORT, JUNE 1986 THROUGH SEPTEMBER 1989.	06/01/86-09/30/89	MONITORING OF PROJECT CHARACTERIZATION AS DESCRIBED IN REVISION 1 OF THE SMMP.	ANT
	ACQN/DEVL LOCATION : T&MSS			

(-

(-

N	X.		C. C	
		586		
				DQ AUL TAO ALC
	SOCIOE	CONOMIC PLAN		ΙA
DAMA MDACKING NO		ACON DENT DEDIOD	ACON (DEUZ MERUOD	T F T Y I I P E O
DATA TRACKING NO.		ACQN/DEVE FERIOD		
TM00012561T1BB.002	YUCCA MOUNTAIN PROJECT SOCIOECONOMIC MONITORING PROGRAM DATA REPORT, OCTOBER	10/01/89-12/31/89	MONITORING OF PROJECT CHARACTERIZATION AS DESCRIBED IN REVISION 1 OF THE SMMP	ANT
	ACON/DEVL LOCATION : T&MSS			
TM00012561T1BB.003	YUCCA MOUNTAIN PROJECT SOCIOECONOMIC MONITORING PROGRAM DATA REPORT, JANUARY 1990 THROUGH MARCH 1990.	01/01/90-03/31/90	MONITORING OF PROJECT CHARACTERIZATION AS DESCRIBED IN REVISION 1 OF THE SMMP	АМТ
	ACQN/DEVL LOCATION : T&MSS			
TM00012561T1BB.004	YUCCA MOUNTAIN PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, APRIL 1990 THROUGH JUNE 1990.	04/01/90-06/30/90	MONITORING OF PROJECT CHARACTERIZATION AS DESCRIBED IN REVISION 1 OF THE SMMP	АМТ
	ACQN/DEVL LOCATION : T&MSS			
TM00012561T1BB.005	YUCCA MOUNTAIN PROJECT SOCIOECONOMIC MONITORING PROGRAM, QUARTERLY DATA REPORT, JULY 1990 THROUGH SEPTEMBER 1990.	07/01/90-09/30/90	MONITORING OF PROJECT CHARACTERIZATION AS DESCRIBED IN REVISION 1 OF THE SMMP.	АНТ
	ACQN/DEVL LOCATION : T&MSS			
TM00012561T1BB.009	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, JULY 1991 THROUGH SEPTEMBER 1991	07/01/91-09/30/91	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SP	АУТ
	ACQN/DEVL LOCATION : T&MSS			

1

SOCIOECONOMIC PLAN			D Q A U L T A O A L C I A T F T Y I I	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
TM00012561T1BB.010	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, OCTOBER 1991 THROUGH DECEMBER 1991	10/01/91-12/31/91	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SP	АҮТ
	ACQN/DEVL LOCATION : T&MSS			
TM00012561T1BB.011	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, JANUARY 1992 THROUGH MARCH 1992	01/01/92-03/31/92	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SP	АҮТ
	ACQN/DEVL LOCATION : T&MSS			
TM00012561T1BB.012	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, APRIL 1992 THROUGH JUNE 1992	04/01/92-06/30/92	MONITORING OF PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SP	АҮТ
	ACQN/DEVL LOCATION : T&MSS			
TM00121361T1DB.001	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, JULY 1992 THROUGH SEPTEMBER 1992	07/01/92-09/30/92	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SP	АУТ

ACQN/DEVL LOCATION : T&MSS

_

-

(-

 $\overline{}$

 $\overline{}$

	```	588		
SOCIOECONOMIC PLAN		DQ AUL TAO ALC IA TFT YII		
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
TM00121361T1DB.002	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, OCTOBER 1992 THROUGH DECEMBER 1992 ACQN/DEVL LOCATION : T&MSS	10/01/92-12/31/92	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	АҮТ
TM00121361T1DB.003	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT, JANUARY 1993 THROUGH MARCH 1993	01/01/93-03/31/93	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	АҮТ
TM00121361T1DB.004	ACQN/DEVL LOCATION : T&MSS YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY DATA REPORT (EMPLOYMENT CHARACTERISTICS), APRIL 1993 THROUGH JUNE 1993 ACQN/DEVL LOCATION : T&MSS	04/01/93-06/30/93	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	АҮТ
TM00121361T1DB.005	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM	01/01/93-09/30/93	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS	AYC

AS DESCRIBED IN REVISION 0 OF THE

SOCIOECONOMIC PLAN

ACON/DEVL LOCATION : T&MSS

1993 EMPLOYEE SURVEY DATA REPORT, STATE & COUNTY DATA, SEPTEMBER 1993

ţ

	SOCIOE	CONOMIC PLAN		I A T F T Y I I P E O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
TM00121361T1EB.001	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY EMPLOYMENT DATA REPORT, JULY 1993 THROUGH SEPTEMBER 1993	07/01/93-09/30/93	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	АҮТ
	ACQN/DEVL LOCATION : T&MSS			
TM00121361T1EB.002	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY EMPLOYMENT DATA REPORT, OCTOBER 1993 THROUGH DECEMBER 1993	10/01/93-12/31/93	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	АУТ
	ACQN/DEVL LOCATION : T&MSS			
**TM00121361T1EB.003	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY EMPLOYMENT DATA REPORT, JANUARY 1994 THROUGH MARCH 1994	01/01/94-03/31/94	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	АҮТ
	ACQN/DEVL LOCATION : T&MSS			
*TM00121361T1EB.004	YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY EMPLOYMENT DATA REPORT, APRIL 1994 THROUGH JUNE 1994	04/01/94-06/30/94	MONITORING OF YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CHARACTERISTICS AS DESCRIBED IN REVISION 0 OF THE SOCIOECONOMIC PLAN	АҮР
	ACQN/DEVL LOCATION : T&MSS			

_____

(

 $\leftarrow$ 

(	(	590		
	REFERENCE 1	INFORMATION BASE		DQ AUL TAO ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*M09206RIB00001.003	RIB ITEM#1/REV3: SURFACE MORPHOLOGY: SITE TOPOGRAPHY	06/15/92-06/15/92	ORTHOPHOTOGRAPHS AT 1:6,000 (1"-500') AND 1:12,000 (1"=1,000') SCALE WERE USED TO PRODUCE MAPS WITH 10' AND 20' ELEVATION CONTOURS, RESPECTIVELY, FOR THE VICINITY OF REPOSITORY BLOCK.	DNR
	ACQN/DEVL LOCATION : SNL			
*M08902RIB00002.003	RIB ITEM#2/REV3: STRATIGRAPHY: GEOLOGIC/LITHOLOGIC STRATIGRAPHY	02/01/89-02/01/89	A GEOLOGIC STRATIGRAPHY WAS DEFINED TO DESCRIBE THE GEOLOGY OF YUCCA MOUNTAIN	DNR
	ACQN/DEVL LOCATION : SNL			
*M09204RIB00003.003	RIB ITEM#3/REV3: STRATIGRAPHY:THERMAL/MECHANICAL STRATIGRAPHY	04/13/92-04/13/92	TWO STRATIGRAPHIES HAVE BEEN DEFINED TO DESCRIBE THE GEOLOGY OF YUCCA MOUNTAIN. THE MAJOR DIFFERENCE BETWEEN THE FORMAL GEOLOGIC STRATIGRAPHY AND THE INFORMAL THERMAL/MECHANICAL STRATIGRAPHY IS THAT A GEOLOGIC UNIT MAY CONTAIN TWO OR MORE LAYERS OF ROCK TYPES, EACH OF WHICH HAS DIFFERENT THERMAL AND MECHANICAL PROPERTIES, WHEREAS THE THERMAL/MECHANICAL GROUPING STRIVES TO IDENTIFY UNITS THAT EXHIBIT LITTLE VARIABILITY OF THESE PROPERTIES. THE ESTIMATED THICKNESSES OF THE THERMAL/MECHANICAL UNITS AT THE ORIGINAL EXPLORATORY SHAFT (ES-1) LOCATION; HAVE BEEN ESTIMATED, BASED ON A THREE-DIMENSIONAL MODEL.	D N R

(

ACQN/DEVL LOCATION : SNL

	REFERENCE INFORMATION BASE			D Q A U L T A O A L C I A T F T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	Y I I P E O E D N 
*M09212RIB00004.003	RIB ITEM#4/REV3: SOIL AND ROCK CHARACTERISTICS: SOIL CHARACTERISTICS: SOIL HYDROLOGIC PROPERTIES: STATIC SOIL HYDROLOGIC PROPERTIES	12/14/92-12/14/92	THE SUBSURFACE EXPLORATORY PROGRAM CONSISTED OF EXCAVATING AND LOGGING ONE TEST PIT AT EACH OF FOUR POTENTIAL SITES TO OBTAIN A REPRESENTATIVE SAMPLE OF LOCAL SOIL, OBTAINING BULK SAMPLES FOR LABORATORY TESTING, AND PERFORMING FIELD DENSITY TESTING. ALL PROPERTIES WERE MEASURED UTILIZING AMERICAN SOCIETY FOR TESTING AND MATERIALS PROCEDURES.	DNR
	ACQN/DEVL LOCATION : SNL			
*M09212RIB00005.003	RIB ITEM#5/REV3: SOIL AND ROCK CHARACTERISTICS: SOIL MECHANICAL PROPERTIES: DYNAMIC SOIL MECHANICAL PROPERTIES	12/14/92-12/14/92	THE SUBSURFACE EXPLORATORY PROGRAM CONSISTED OF EXCAVATING AND LOGGING ONE TEST PIT AT EACH OF FOUR POTENTIAL SITES TO OBTAIN A REPRESENTATIVE SAMPLE OF LOCAL SOIL, OBTAINING BULK SAMPLES FOR LABORATORY TESTING, AND PERFORMING FIELD DENSITY TESTING, ALL PROPERTIES WERE MEASURED UTILIZING AMERICAN SOCIETY FOR TESTING AND MATERIALS PROCEDURES.	DNR
	ACQN/DEVL LOCATION : SNL			
*M09212RIB00006.003	RIB ITEM#6/REV3: SOIL AND ROCK CHARACTERISTICS: SOIL CHARACTERISTICS: SOIL MECHANICAL PROPERTIES: SOIL COMPACTION AND RUPTURE PROPERTIES	12/14/92-12/14/92	THE SUBSURFACE EXPLORATORY PROGRAM CONSISTED OF EXCAVATING AND LOGGING ONE TEST PIT AT EACH OF FOUR POTENTIAL SITES TO OBTAIN A REPRESENTATIVE SAMPLE OF LOCAL SOIL, OBTAINING BULK SAMPLES FOR LABORATORY TESTING, AND PERFORMING FIELD DENSITY TESTING. ALL PROPERTIES WERE MEASURED UTILIZING AMERICAN SOCIETY FOR TESTING AND MATERIALS PROCEDURES.	DNR
	ACON/DEVL LOCATION : SNL			

.

_

-

 $\leftarrow$ 

(

l	(		(		
		592		Dς	Σ
				A U T J	) L A O
	REFERENCE	INFORMATION BASE		AI	C A
				TF	° T r T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		5 0 5 N
*MO9212RIB00007.003	RIB ITEM#7/REV3: SOIL AND ROCK CHARACTERISTICS: SOIL MECHANICAL PROPERTIES: SOIL FOUNDATION PARAMETERS	12/14/92-12/14/92	THE SUBSURFACE EXPLORATORY PROGRAM CONSISTED OF EXCAVATING AND LOGGING ONE TEST PIT AT EACH OF FOUR POTENITAL SITES TO OBTAIN A REPRESENTATIVE SAMPLE OF LOCAL SOIL, OBTAINING BULK SAMPLES FOR LABORATORY TESTING, AND PERFORMING FIELD DENSITY TESTING. ALL PROPERTIES WERE MEASURED UTILIZING AMERICAN SOCIETY FOR TESTING AND MATERIALS PROCEDURES.	DN	IR
	ACQN/DEVL LOCATION : SNL				
*MO9212RIB00008.003	RIB ITEM#8/REV3: SOIL AND ROCK CHARACTERISTICS: SOIL PHYSICAL PROPERTIES: STATIC SOIL PHYSICAL PROPERTIES	12/14/92-12/14/92	THE SUBSURFACE EXPLORATORY PROGRAM CONSISTED OF EXCAVATING AND LOGGING ONE TEST PIT AT EACH OF FOUR POTENTIAL SITES TO OBTAIN A REPRESENTATIVE SAMPLE OF LOCAL SOIL, OBTAINING BULK SAMPLES FOR LABORATORY TESTING, AND PERFORMING FIELD DENSITY TESTING. INVESTIGATORS PERFORMED IN SITU DENSITY TESTS AT SELECTED DEPTHS IN THE TEST PITS, USING AMERICAN SOCIETY FOR TESTING AND MATERIALS STANDARD SAND CONE AND NUCLEAR METHODS.	DN	J R
	ACQN/DEVL LOCATION : SNL				
*M08902RIB00009.003	RIB ITEM#9/REV3: SOIL AND ROCK CHARACTERISTICS: ROCK CHARACTERISTICS: ROCK HYDROLOGIC PROPERTIES: POROSITY	02/01/89-02/01/89	BULK PROPERTY MEASUREMENTS HAVE BEEN MADE ON SAMPLES FROM SEVERAL DRILLHOLES AND THERMAL/MECHANICAL STRATIGRAPHIC UNITS AT YUCCA MOUNTAIN. SATURATED BULK DENSITIES (PSB), DRY BULK DENSITIES (PDB), AND GRAIN DENSITIES (PG) WERE MEASURED USING ESTABLISHED TECHNIQUES.	DN	1 R

ACQN/DEVL LOCATION : SNL

l

				D Q A U L
				TAO
				ALC
	REFERENC	CE INFORMATION BASE		IA
				ΤFΤ
				YII
				PEO
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	EDN
••••••				
*M09303RIB00010.003	RIB ITEM#10/REV3: SOIL AND ROCK	03/08/93-03/08/93	SATURATED HYDRAULIC CONDUCTIVITY WAS	DNR

CHARACTERISTICS: ROCK HYDROLOGIC PROPERTIES: PERMEABILITY (WATER FLOW) FOR A GIVEN VOLUME OF LIQUID AT SOME TEMPERATURE TO PASS THROUGH A SAMPLE THAT HAS A CONSTANT CROSS-SECTIONAL AREA UNDER A FIXED PRESSURE GRADIENT. ISOTROPY IN THE SAMPLES WAS NOT ASSUMED; THEREFORE, VALUES

WERE REPORTED FOR BOTH HORIZONTAL AND

FOR MANY CASES BECAUSE THE SATURATION STATE OF A SAMPLE IS CONTROLLED BY VARIABLES SUCH AS LOCAL BOUNDARY

STRATIGRAPHY. THEREFORE, THE MEAN AND STANDARD DEVIATION VALUES ARE HIGHLY UNCERTAIN AND MAY NOT REPRESENT THE TRUE MEANS AND STANDARD DEVIATIONS. HOWEVER, BECAUSE THIS IS THE ONLY PUBLISHED INFORMATION AVAILABLE, IT IS CURRENTLY BEING USED FOR SATURATION VALUES.

PROPERTIES, NOT MERELY BY THE

CONDITIONS, LOCAL GEOLOGY, AND HYDROLOGIC

VERTICAL CONDUCTIVITIES.

ACQN/DEVL LOCATION : SNL

ACON/DEVL LOCATION : SNL

593

		594		
				DQ AUL TAO ALC
	REFERENCE I	NFORMATION BASE	· · · · · · · · · · · · · · · · · · ·	I A T F T Y I I P F O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	
*M09008RIB00012.003	RIE ITEM#12/REV3: SOIL AND ROCK CHARACTERISTICS: ROCK CHARACTERISTICS ROCK MECHANICAL PROPERTIES: STATIC ROCK MECHANICAL PROPERTIES	08/06/90-08/06/90	MEASUREMENTS OF THE STRESS/STRAIN RESPONSE TO AXIAL LOADS WERE MADE ON SAMPLES FROM SEVERAL DRILLHOLES AND THERMAL/MECHANICAL STRATIGRAPHIC UNITS AT YUCCA MOUNTAIN. EACH SAMPLE WAS TESTED IN UNCONFINED COMPRESSION; AXIAL STRAIN WAS INCREASED AT A CONSTANT RATE. THE TESTS WERE CONDUCTED AT AMBIENT PRESSURE AND TEMPERATURE IN A NOMINALLY FULLY SATURATED STATE.	DNR
	ACQN/DEVL LOCATION : SNL			
*M09008RIB00013.003	RIB ITEM#13/REV3: SOIL AND ROCK CHARACTERISTICS: ROCK CHARACTERISTICS: ROCK MECHANICAL PROPERTIES: ROCK COHESION ACQN/DEVL LOCATION : SNL	08/06/90-08/06/90	ROCK COHESIVE STRENGTH WAS EMPIRICALLY DERIVED FROM LIMITED LABORATORY DATA DEVELOPED FROM YUCCA MOUNTAIN SAMPLES COLLECTED PRIOR TO 1989.	DNR
*******	DID THEM#14/DEVI3. SAIL AND DACK	12/14/92-12/14/92	VALUES FOR DIFFERENTIAL STRESS AVIAL	ר א ד
~M09212K1B00014.003	CHARACTERISTICS: ROCK CHARACTERISTICS: ROCK MECHANICAL PROPERTIES: ROCK QUALITY AND ROCK STRENGTH	12, 14, 52 - 12, 14, 52	STRAIN, AND LATERAL STRAIN WERE COLLECTED IN THE LABORATORY AT VARIOUS CONFINING PRESSURES AND TEMPERATURES. TSW2 SAMPLES WERE STATISTICALLY ANALYZED TO DEVELOP EMPIRICAL ROCK MASS STRENGTH/FAILURE RELATIONSHIPS.	5 N K
	ACQN/DEVL LOCATION : SNL			

	REFERENCE INFORMATION BASE			DQ AUL TAO ALC IA TFT YII
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PEO EDN
*M08902RIB00015.003	RIB ITEM#15/REV3: SOIL AND ROCK CHARACTERISTICS: ROCK CHARACTERISTICS: ROCK MINERALOGY: ROCK MINERALOGY	02/01/89-02/01/89	THE MINERAL ABUNDANCE OF INDIVIDUAL ROCK SAMPLES IS DETERMINED BY QUANTITATIVE X-RAY DIFFRACTION. THE ROCK SAMPLES WERE CRUSHED AND POWDERED IN A SHATTER BOX. AN ALIQUOT OF THE POWDER WAS MIXED WITH A KNOWN AMOUNT OF 1.0-MICROMILLIMETERS CORUNDUM (AL2O3) AS AN INTERNAL STANDARD. ALL DIFFRACTION PATTERNS WERE OBTAINED USING CU-KOC RADIATION. DATA WERE COLLECTED IN THE STEP-SCAN MODE WITH A STEP SIZE OF 0.02 DEGREES 2-THETA AND COUNT TIMES OF AT LEAST 2.0S PER STEP. MINERAL IDENTIFICATION WAS ACCOMPLISHED BY COMPARING THE OBSERVED PATTERNS WITH PATTERNS OF PURE STANDARDS, PUBLISHED PATTERNS FROM THE JOINT COMMITTEE ON POWDERED DIFFRACTION STANDARDS (JCPS, 1986) OR CALCULATED MINERAL PATTERNS OBTAINED FROM THE PROGRAM POWDIO (SMITH, ET AL., 1983). QUANTITATIVE ANALYSES WERE COMPUTER PROGRAM, QUANT5, DISCUSSED IN BISH AND CHIFERA (1989).	DNR
	ACQN/DEVL LOCATION : SNL			
*M08902RIB00016.003	RIB ITEM#16/REV3: SOIL AND ROCK CHARACTERISTICS: ROCK CHARACTERISTICS: ROCK PHYSICAL PROPERTIES: ROCK DENSITY	02/01/89-02/01/89	BULK PROPERTY MEASUREMENTS WERE MADE ON SAMPLES FROM SEVERAL DRILLHOLES AND THERMAL/MECHANICAL STRATIGRAPHIC UNITS AT YUCCA MOUNTAIN. SATURATED BULK DENSITIES, DRY BULK DENSITIES, AND GRAIN DENSITIES WERE MEASURED USING ESTABLISHED TECHNIQUES. BECAUSE THE BULK PROPERTIES OFTEN VARIED AS A FUNCTION OF LOCATION, SAMPLES FROM DIFFERENT WELLS WERE GROUPED TOGETHER ONLY IF THEY WERE STATISTICALLY SIMILAR.	DNR

ACQN/DEVL LOCATION : SNL

(---)

 $\overline{}$ 

l	(		(	
		596		
	REFERENCE	INFORMATION BASE		D Q A U L T A O A L C I A T F T
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	YII PEO EDN
*M09212RIB00017.003	RIB ITEM#17/REV3: SOIL AND ROCK CHARACTERISTICS: ROCK CHARACTERISTICS: ROCK THERMAL PROPERTIES: ROCK THERMAL PROPERTIES	12/14/92-12/14/92	THERMAL CONDUCTIVITY WAS MEASURED IN SAMPLES FROM SEVERAL DRILLHOLES AND THERMAL/MECHANICAL STRATIGRAPHIC UNITS AT YUCCA MOUNTAIN. THE TRANSIENT-LINE-SOURCE TECHNIQUE WAS USED FOR THESE MEASUREMENTS. AN ELECTRIC CURRENT WAS APPLIED TO AN AXIAL HEATER WITHIN A THICK-WALLED CYLINDRICAL SAMPLE, AND THE TEMPERATURE/TIME RESPONSE WAS MONITORED. MEASUREMENTS OF THIS TYPE WERE MADE AT DIFFERENT TEMPERATURES FOR EACH SAMPLE. AN EMPIRICAL MODEL WAS THEN USED TO ANALYZE THERMAL CONDUCTIVITY DATA.	D N R
	ACQN/DEVL LOCATION : SNL			
*MO9104RIB00018.003	RIB ITEM#18/REV3: FRACTURE CHARACTERISTICS: FRACTURE PHYSICAL PROPERTIES: FRACTURE PHYSICAL PROPERTIES	04/01/91-04/01/91	FRACTURE CHARACTERISTICS ARE DEFINED IN TERMS OF FRACTURE ATTITUDE (DIP AND STRIKE), FREQUENCY, APERATURE (FRACTURE OPENING SIZE) AND FILLING (HEALING/MINERALOGY). THESE CHARACTERISTICS WERE MEASURED ON THE SURFACE IN OUTCROP EXPOSURE AND IN ACQUIRED ORIENTED CORE SAMPLES. FRACTURE CHARACTERISTICS CAN BE PRESENTED STATISTICALLY, IN TABULAR FORM, OR GRAPHICALLY AS ROSE DIAGRAMS.	DNR

ACQN/DEVL LOCATION : SNL

J

	REFERENCE I	NFORMATION BASE		D ( A ( T ) A ] A ] T ] Y ] P ]	〕L A O L A F T I O
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	E 1	D N 
*M08902RIB00019.003	RIB ITEM#19/REV3: SEISMIC ENVIRONMENT: GROUND MOTION DESIGN BASIS	02/01/89-02/01/89	AN ESTIMATE FOR VERTICAL AND HORIZONTAL MOMENTS OF ACCELERATION AT THE LOCATION FOR YUCCA MOUNTAIN SURFACE SUPPORT FACILITIES AND AN ESTIMATE OF THE TEMPORAL MOTIONS FORMS THE BASIS FOR EARTHQUAKE DESIGN. REGIONAL SEISMIC DATA PROVIDES AN INPUT TO ESTABLISHING PROBABILISTIC EVENT THRESHOLDS. THE DESIGN BASIS IS CONSERVATIVE AND IS SOME MULTIPLE GREATER THAN THE OBSERVED EVENTS.	D	NR
	ACQN/DEVL LOCATION : SNL				
*M09303RIB00020.003	RIB ITEM#20/REV3: SEISMIC ENVIRONMENT: EARTHQUAKE CHARACTERISTICS	03/08/93-03/08/93	EARTHQUAKE CHARACTERISTICS IN THE VICINITY OF YUCCA MOUNTAIN ARE DERIVED FROM GEOLOGIC EVIDENCE OF PAST EVENTS AND OBSERVATIONS OF CURRENT SEISMIC ACTIVITY IN AND AROUND THE GREAT BASIN. THE RESULTS ARE PRESENTED AS A SERIES OF PROBABILITIES FOR EVENTS AT VARIOUS RICHTER MAGNITUDES, AERIAL DISTANCES FROM YUCCA MOUNTAIN, AND DEPTHS BELOW THE SURFACE.	D	NR
	ACQN/DEVL LOCATION : SNL				
*M09104RIB00021.003	RIB ITEM#21/REV3: FAULTING: FAULTING CHARACTERISTICS	04/01/91-04/01/91	FAULTING CHARACTERISTICS IN THE YUCCA MOUNTAIN AREA ARE DERIVED FROM DIRECT OBSERVATIONS MADE AT THE SURFACE AND IN DRILLHOLES, LINEAMENTS IDENTIFIED ON AERIAL PHOTOGRAPHS, AND INDIRECT EVIDENCE RESULTING FROM THE INTERPRETATION OF GEOPHYSICAL DATA, FAULT CHARACTERISTICS ARE PRESENTED IN DESCRIPTIVE FORM, IN TABLES, AND ON MAPS.	D	NR
	ACQN/DEVL LOCATION : SNL				

ł

(

 $( \neg$ 

		598			
	REFERENCE I	NFORMATION BASE		D ( A ( T ) A (	
				T J Y	F T I I
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	PI EI	20 2N 
*M09007RIB00022.003	RIB ITEM#22/REV3: IN SITU STRESS & STRAIN FIELDS: IN SITU STRESS	07/09/90-07/09/90	THE IN SITU STRESS AND STRAIN FIELDS WITHIN YUCCA MOUNTAIN WERE ESTIMATED FROM A LIMITED DATA SET CONSISTING OF AVERAGE ROCK FORMATION DENSITIES AND FORMATION THICKNESSES. TOPOGRAPHY, LOCAL STRATIGRAPHIC ATTITUDE, AND THERMAL/MECHANICAL CHARACTERISTICS ARE TAKEN INTO CONSIDERATION.	DI	I R
	ACQN/DEVL LOCATION : SNL				
*M09303RIB00023.003	RIB ITEM#23/REV3: AMBIENT ATMOSPHERIC CONDITIONS	03/08/93-03/08/93	AMBIENT YUCCA MOUNTAIN CLIMATE VALUES ARE ESTIMATED FROM 17 YEARS OF CLIMATOLOGICAL DATA GATHERED FROM THE YUCCA FLAT WEATHER STATION AND SUPPLEMENTED WITH LONG-TERM REGIONAL OBSERVATIONS. THE DATA ARE REPORTED AS AVERAGE VALUES, EXTREMES (MAXIMUM AND MINIMUM OBSERVED VALUES) OVER GIVEN PERIODS OF TIME.	Dł	IR
	ACQN/DEVL LOCATION : SNL				
*M09101RIB00024.003	RIB ITEM#24/REV3: STORM CHARACTERISTICS	01/08/91-01/08/91	STORM CHARACTERISTICS FOR YUCCA MOUNTAIN ARE ESTIMATED FROM OVER 40 YEARS OF REGIONAL AND LOCAL WEATHER OBSERVATIONS. PROBABILITIES FOR EXTREME STORM EVENTS SUCH AS TORNADOES ARE BASED ON THESE HISTORICAL OBSERVATIONS AND ARE PRESENTED AS ANNUAL EVENT LIKELIHOOD AND REOCCURRENCE INTERVAL.	Dŀ	I R
	ACQN/DEVL LOCATION : SNL				

	REFERENCE	INFORMATION BASE		D Q A U T A A I J T F Y J	
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD		) N
*MO9303RIB00025.003	RIB ITEM#25/REV3: PRECIPITATION CHARACTERISTICS	03/08/93-03/08/93	MOST OF METEOROLOGICAL INFORMATION WAS TAKEN FROM THE 17-YR CLIMATOLOGICAL SUMMARY OF REGIONAL DATA FROM THE YUCCA FLAT WEATHER STATION. THE MEASUREMENTS WERE TAKEN USING STANDARD WEIGHING RAIN GAGES AND TIPPING BUCKET GAGES DESIGNED TO IDENTIFY THE LEVEL OF TOTAL PRECIPITATION, INCLUDING THE WATER CONTENT OF MELTED SNOW. AVERAGE AND EXTREME PRECIPITATION VALUES, INCLUDING THE VALUES FOR SNOW WERE CALCULATED FROM THESE MEASUREMENTS.	DN	IR
	ACQN/DEVL LOCATION : SNL				
*M09303RIB00026.003	RIB ITEM#26/REV3: FLOODING: FLOODING PROBABILITY	03/08/93-03/08/93	DATA RELATED TO STORM FREQUENCY, QUANTITY OF WATER RUNOFF, AND AMOUNT OF DEBRIS MOVED WERE GATHERED FROM THE AREA WITHIN 200 MILES RADIUS FROM YUCCA MOUNTAIN. THESE DATA WERE USED AS INPUT TO THE PROBABLE MAXIMUM FLOOD MODEL.	DN	IR
	ACQN/DEVL LOCATION : SNL				
*M09303RIB00027.003	RIB ITEM#27/REV3: SUBSURFACE HYDROLOGY: SATURATED ZONE HYDROLOGY: SATURATED ZONE GROUNDWATER CHEMISTRY	03/08/93-03/08/93	GROUNDWATER SAMPLES WERE COLLECTED FROM VARIOUS WELLS IN THE YUCCA MOUNTAIN AREA. WELLHEAD DATA CONSISTING OF DEPTH-TO-WATER, TEMPERATURE, EH AND PH WERE RECORDED AT THE TIME OF SAMPLE COLLECTION. TOTAL DISSOLVED SOLIDS (HARDNESS) AND SELECTED ANION/CATION ABUNDANCES WERE DETERMINED IN THE LABORATORY. GROUNDWATER AGE DETERMINATIONS WERE MADE BY EVALUATING NATURALLY-OCCURRING ISOTOPES.	אס	R

ACQN/DEVL LOCATION : SNL

_

•

(

599

(

 $\overline{}$ 

		600				
	REFERENCE I	NFORMATION BASE		D Q A T T A T Y P	Q U L C L C I P I I I I I I	•>>+
DATA TRACKING NO.	TITLE/DESCRIPTION	ACQN/DEVL PERIOD	ACQN/DEVL METHOD	E I		!
*M09212RIB00028.003	RIB ITEM#28/REV3: WASTE PACKAGE PROPERTIES & ENVIRONMENT: WASTE PACKAGE THERMAL PROPERTIES	12/14/92-12/14/92	PERFORMANCE CRITERIA WERE DEVELOPED BASED ON THE NATURAL SYSTEM AND OPERATIONAL CONSIDERATIONS. PROJECTED CHARACTERISTICS OF THE WASTE FORM WERE USED AS INPUT TO THERMAL MODELS TO CALCULATE THE THERMAL IMPACTS TO THE SYSTEM AT VARIOUS CONCENTRATIONS OF HEAVY METAL (MTU/ACRE).	DI	N R	t
	ACQN/DEVL LOCATION : SNL					
*M09212RIB00029.003	RIB ITEM#29/REV3: REPOSITORY LOCATION	12/14/92-12/14/92	THE PROPOSED REPOSITORY LOCATION WAS SELECTED BY EXPERT JUDGEMENT AND WAS BASED ON LIMITS DEFINED IN FEDERAL REGULATIONS.	D	N P	Ł
	ACQN/DEVL LOCATION : SNL					
*MO9008RIB00030.003	RIB ITEM#30/REV3: REPOSITORY VENTILATION CHARACTERISTICS	08/06/90-08/06/90	REPOSITORY VENTILATION CHARACTERISTICS WERE DEVELOPED FROM CALCULATIONS BASED ON PROPOSED REPOSITORY DESIGN, NUMBER OF PEOPLE PROJECTED TO BE WORKING UNDERGROUND, TYPES OF EQUIPMENT USED, REPOSITORY DEVELOPMENT AND WASTE LOADING SCHEDULE, SEALING PRACTICES, DUEL VENTILATION NEEDS, AND FEDERAL SAFETY REQUIREMENTS.	D	N R	t

١.

Λ.

ACQN/DEVL LOCATION : SNL

X

## APPENDIX A

A and containing 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	
8.3.1.2.1.4.4	Regional three-dimensional areal 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	
8.3.1.2.2.1.3	Evaluation of artificial infiltration	
8.3.1.2.2.2.1	Chloride and chlorine-36 measurements of percolation at Yucca Mountain	
8.3.1.2.2.3.1	Matrix hydrologic properties testing	
8.3.1.2.2.3.2	Site vertical borehole studies	
8.3.1.2.2.4.2	Percolation tests in the Exploratory Studies Facility	
8.3.1.2.2.4.8	Hydrochemistry tests in the Exploratory Studies Facility	

ACTIVITY NO.	ACTIVITY NAME
8.3.1.2.2.4.9	Multipurpose-borehole testing
8.3.1.2.2.6.1	Gaseous-phase circulation study
8.3.1.2.2.7.1	Gaseous - phase chemical investigations
8.3.1.2.2.7.2	Aqueous-phase chemical investigations
8.3.1.2.2.8.1	Development of conceptual and numerical models of fluid flow in unsaturated, fractured rock
8.3.1.2.2.9.1	Conceptualization of the unsaturated-zone hydrogeologic system
8.3.1.2.2.9.3	Simulation of the natural hydrogeologic system
8.3.1.2.3.1.2	Site potentiometric-level evaluation
8.3.1.2.3.1.3	Analysis of single- and multiple-well hydraulic-stress tests
8.3.1.2.3.1.4	Multiple-well interference testing
8.3.1.2.3.1.6	Well testing with conservative tracers throughout the site
8.3.1.2.3.1.7	Testing of the C-hole sites with conservative tracers
8.3.1.2.3.2.1	Assessment of saturated-zone hydrochemical data availability and needs
8.3.1.2.3.2.2	Hydrochemical characterization of water in the upper part of the saturated zone
8.3.1.2.3.2.3	Regional hydrochemical tests and analyses
8.3.1.2.3.3.1	Conceptualization of saturated-zone flow models within the boundaries of the accessible environment
8.3.1.2.3.3.2	Development of fracture network model
8.3.1.3.1.1	Ground-water chemistry model
8.3.1.3.2.1	Mineralogy, petrology, and chemistry of transport pathways

~

~

~

ACTIVITY NO.	ACTIVITY NAME
8.3.1.3.2.1.1	Petrologic stratigraphy of the Topopah Spring Member
8.3.1.3.2.1.2	Mineral distributions between the host rock and the accessible environment
8.3.1.3.2.1.3	Fracture mineralogy
8.3.1.3.2.2.1	History of mineralogic and geochemical alteration of Yucca Mountain
8.3.1.3.2.2.2	Smectite, zeolite, manganese minerals, glass dehydration, and transformation
8.3.1.3.4.1	Batch sorption studies
8.3.1.3.4.1.1	Batch sorption measurements as a function of solid phase composition
8.3.1.3.4.1.2	Sorption as a function of sorbing element concentrations (isotherms)
8.3.1.3.4.1.3	Sorption as a function of ground-water composition
8.3.1.3.4.2	Biological sorption and transport
8.3.1.3.5.1.1	Solubility measurements
8.3.1.3.6.1.1	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
8.3.1.4.1.2	Integration of geophysical activities
8.3.1.4.2.1	Characterization of the vertical and lateral distribution of stratigraphic units within the site area
8.3.1.4.2.1.1	Surface and subsurface stratigraphic studies of the host rock and surrounding units
8.3.1.4.2.1.2	Surface-based geophysical surveys
8.3.1.4.2.1.3	Borehole geophysical surveys

1

1 1

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

A-4

/

/

ACTIVITY NO.	ACTIVITY NAME
8.3.1.5.1.5.1	Paleoclimate-paleoenvironmental synthesis
8.3.1.5.2.1.1	Regional paleoflood evaluation
8.3.1.5.2.1.2	Quaternary unsaturated zone hydrochemical analysis
8.3.1.5.2.1.3	Evaluation of past discharge areas
8.3.1.5.2.1.4	Analog recharge studies
8.3.1.5.2.1.5	Studies of calcite and opaline silica vein deposits
8.3.1.6.1.1	Distribution and characteristics of present and past erosion
8.3.1.6.1.1.1	Development of a geomorphic map of Yucca Mountain
8.3.1.6.1.1.2	Analysis of the downcutting history of Fortymile Wash and its tributaries
8.3.1.6.1.1.3	An analysis of hillslope erosion at Yucca Mountain
8.3.1.6.2.1.1	Synthesis and data evaluation of impact of future climatic conditions on locations and rates of erosion
8.3.1.6.3.1.1	Synthesis and data evaluation of the impact of future uplift or subsidence and faulting on erosion at Yucca Mountain and vicinity
8.3.1.8.1.1.3	Presence of magma bodies in the vicinity of the site
8.3.1.8.1.1.4	Probability calculations and assessment
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

1

ACTIVITY NO.	ACTIVITY NAME
8.3.1.8.5.1.5	Geochemical cycles of basaltic volcanic fields
8.3.1.8.5.2	Characterization of igneous intrusive features
8.3.1.8.5.2.1	Evaluation of depth of curie temperature isotherm
8.3.1.8.5.2.3	Heat flow at Yucca Mountain and evaluation of regional ambient heat flow and local heat flow anomalies
8.3.1.8.5.2	Characterization of igneous intrusive features
8.3.1.8.5.2.1	Evaluation of depth of curie temperature isotherm
8.3.1.8.5.2.3	Heat flow at Yucca Mountain and evaluation of regional ambient heat flow and local heat flow anomalies
8.3.1.9.2.1	Natural resource assessment of Yucca Mountain, Nye County, Nevada
8.3.1.9.2.1.1	Geochemical assessment of Yucca Mountain in relation to the potential for mineralization
8.3.1.9.2.1.4	Assessment of hydrocarbon resources at and near the site
8.3.1.9.2.2.1	Projected trends in local and regional ground- water development, and estimated withdrawal rates in southern Nevada, proximal to Yucca Mountain
8.3.1.12.2.1.1	Site meteorological monitoring program
8.3.1.14.2.1.1	Site reconnaissance
8.3.1.14.2.1.2	Preliminary and detailed exploration
8.3.1.14.2.1.3	Detailed exploration
8.3.1.14.2.2	Laboratory tests and material property measurements
8.3.1.14.2.2.1	Physical property and index laboratory tests
8.3.1.14.2.2.2	Mechanical and dynamic laboratory property tests
8.3.1.14.2.3	Field tests and characterization measurements

~

ACTIVITY NO.	ACTIVITY NAME
8.3.1.14.2.3.1	Physical property field tests and characterization measurements
8.3.1.14.2.3.2	Mechanical property field tests
8.3.1.14.2.3.3	Geophysical field measurements
8.3.1.15.1.1	Laboratory thermal properties
8.3.1.15.1.1.1	Density and porosity characterization
8.3.1.15.1.1.2	Volumetric heat capacity characterization
8.3.1.15.1.1.3	Thermal conductivity characterization
8.3.1.15.1.2.1	Thermal expansion characterization
8.3.1.15.1.3	Laboratory determination of mechanical properties of intact rock
8.3.1.15.1.3.1	Compressive mechanical properties of intact rock at baseline experiment conditions
8.3.1.15.1.3.2	Effects of variable environmental conditions on mechanical properties
8.3.1.15.1.4	Laboratory determination of the mechanical properties of fractures
8.3.1.15.1.4.1	Mechanical properties of fractures at baseline experiment conditions
8.3.1.15.1.7.1	Plate loading tests
8.3.1.15.1.8.1	Evaluation of mining methods
8.3.1.15.1.8.2	Monitoring of ground-support systems
8.3.1.15.2.1.2	Overcore stress experiments in the exploratory studies facility
8.3.1.15.2.2.1	Surface-based evaluation of ambient thermal conditions
8.3.1.16.1.1.1	Site flood and debris hazards studies

~

~

~

## ACTIVITY NO. ACTIVITY NAME

8.3.1.16.2.1.4	Identification and evaluation of potential effects of repository related withdrawals on the local flow system at Yucca Mountain, Nevada
8.3.1.17.2.1.2	Assess the potential for displacement on faults that intersect underground facilities
8.3.1.17.3.1	Relevant earthquake sources
8.3.1.17.3.1.1	Identify relevant earthquake sources
8.3.1.17.3.1.2	Characterize 10,000-yr cumulative slip earthquakes for relevant seismogenic sources
8.3.1.17.3.3	Ground motion from regional earthquake and underground nuclear explosions
8.3.1.17.3.3.2	Select or develop empirical models for ground motion from underground nuclear explosions
8.3.1.17.3.5	Ground motion at the site from controlling seismic events
8.3.1.17.3.5.1	Identify controlling seismic events
8.3.1.17.3.5.2	Characterize ground motion from the controlling seismic events
8.3.1.17.3.6	Probabilistic seismic hazards analyses
8.3.1.17.3.6.2	Evaluate ground motion probabilities
8.3.1.17.4.1	Historical and current seismicity
8.3.1.17.4.1.1	Compile historical earthquake record
8.3.1.17.4.1.2	Monitor current seismicity
8.3.1.17.4.1.3	Evaluate potential for induced seismicity at the site
8.3.1.17.4.2	Location and recency of faulting near prospective surface facilities
8.3.1.17.4.2.1	Identify appropriate trench locations in Midway Valley
8.3.1.17.4.2.2	Conduct exploratory trenching in Midway Valley

ACTIVITY NO.	ACTIVITY NAME
8.3.1.17.4.3	Quaternary faulting within 100km of Yucca Mountain, including the Walker Lane
8.3.1.17.4.3.1	Conduct and evaluate deep geophysical surveys in an east-west transect crossing the Furnace Creek fault zone, Yucca Mountain, and the Walker Lane
8.3.1.17.4.3.2	Evaluate Quaternary faults within 100 km of Yucca Mountain
8.3.1.17.4.3.4	Evaluate the Bare Mountain fault zone
8.3.1.17.4.3.5	Evaluate structural domains and characterize the Yucca Mountain region with respect to regional patterns of faults and fractures
8.3.1.17.4.4	Quaternary faulting proximal to the site within northeast-trending fault zones
8.3.1.17.4.4.1	Evaluate the Rock Valley fault system
8.3.1.17.4.5.1	Evaluate the significance of the Miocene-Paleozoic contact in the Calico Hills area to detachment faulting within the site area
8.3.1.17.4.5.2	Evaluate postulated detachment faults in the Beatty-Bare Mountain area
8.3.1.17.4.6	Quaternary faulting within the site area
8.3.1.17.4.6.1	Evaluate Quaternary geology and potential Quaternary faults at Yucca Mountain
8.3.1.17.4.6.2	Evaluate age and recurrence of movement on suspected and known Quaternary faults
8.3.1.17.4.7	Subsurface geometry and concealed extensions of Quaternary faults at Yucca Mountain
8.3.1.17.4.7.1	Evaluate intermediate depth (2 to 3 km) reflection and refraction methods and plan potential application of these methods within the site area
8.3.1.17.4.7.2	Detailed gravity survey of the site area
8.3.1.17.4.7.3	Detailed aeromagnetic survey of the site area

A-9

1 1
#### ACTIVITY NO.

ACTIVITY NAME

- 8.3.1.17.4.7.4 Detailed ground magnetic survey of specific features within the site area
- 8.3.1.17.4.7.5 Evaluate surface geoelectric methods and plan potential application of these methods within the site area
- 8.3.1.17.4.7.8 Evaluate shallow seismic reflection (mini-sosie) methods and, if appropriate, conduct surveys of selected structures at and proximal to the site area
- 8.3.1.17.4.8. Stress field within and proximal to the site area
- 8.3.1.17.4.8.1 Evaluate present stress field within site area
- 8.3.1.17.4.8.2 Evaluate and test shallow borehole hydrofrac and triaxial strain recovery methods for the determination of in situ stress and, if appropriate, plan potential application of these methods within and proximal to the site
- 8.3.1.17.4.9 Tectonic geomorphology of the Yucca Mountain region
- 8.3.1.17.4.9.1 Evaluate age and extent of tectonically stable areas at and near Yucca Mountain
- 8.3.1.17.4.10.1 Relevel base-station network, Yucca Mountain and vicinity
- 8.3.1.17.4.10.2 Survey selected base stations, Yucca Mountain and vicinity, using global positioning satellite
- 8.3.1.17.4.10.3 Analyze existing releveling data, Yucca Mountain and vicinity
- 8.3.1.17.4.11 Characterization of regional lateral crustal movement
- 8.3.1.17.4.12 Tectonic models and synthesis
- 8.3.1.17.4.12.1 Evaluate tectonic processes and tectonic stability at the site
- 8.3.1.19.1.1 Rock-water interactions at elevated temperatures

ACTIVITY NO.	ACTIVITY NAME
8.3.1.19.1.4	Dissolution of phases in the waste package environment
8.3.1.19.2.1	Single-phase fluid system properties
8.3.1.19.2.2	Two-phase fluid system properties
8.3.1.19.4.1	Repository horizon near-field hydrologic properties
8.3.1.19.5.1	Effect of grout, concrete, and other repository materials on water composition
8.3.2.4.1.1	Design activity to verify access and drift usability
8.3.5.4.1.1	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
8.3.5.10.5.1	Determine radionuclide transport parameters
8.3.5.10.5.2	Radionuclide transport modeling in the near-field waste package environment
8.3.5.12.1.1	Application of results
8.3.5.12.2.1	Model development
8.3.5.12.2.1.1	Development of a theoretical framework for calculational models
8.3.5.12.2.2	Verification and validation

1

A-11

## APPENDIX B

~

~

/

.

GENISES ADDITIONS: 4th QUARTER, FY 1994

DATA TRACKING NO.	DATA ITEM DESCRIPTION		
EGESD930709000.000	RAVEN SURVEYS AT YUCCA AND BARE MOUNTAINS, 1991 - 1993		
GS930308312312.008	WATER LEVELS IN CONTINUOUSLY MONITORED WELLS IN THE YUCCA MOUNTAIN AREA, NEVADA, 1985-88 (USGS OFR 91-493)		
GS900908314213.008	BOREHOLE GRAVITY METER SURVEY IN DRILL HOLE USW G-4, YUCCA MOUNTAIN, NYE COUNTY, NEVADA		
GS900908314215.008	PRELIMINARY INTERPRETATION OF PALEOMAGNETIC AND MAGNETIC PROPERTY DATA FROM DRILL HOLES USW G-1, G-2, GU-3, AND G-3, AND VH-1 AND SURFACE LOCALITIES IN THE VICINITY OF YUCCA MOUNTAIN, NYE COUNTY, NEVADA		
GS900908314212.003	PRELIMINARY GRAVITY INVESTIGATIONS OF THE WAHMONIE SITE, NEVADA TEST SITE, NYE COUNTY, NEVADA		
GS910708314211.011	SR AND ND ISOTOPIC DATA AND RB, SR, ND, AND SM CONCENTRATIONS FROM DRILL CORE SPECIMENS FROM UE25A#1		
GS900908315133.002	CLIMATIC CHANGES INFERRED FROM ANALYSES OF LAKE-SEDIMENT CORES, WALKER LAKE, NEVADA		
GS900908312232.001	GEOHYDROLOGIC DATA FROM TEST HOLE USW UZ-7, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA		
GS900908314221.005	THIS REPORT PRESENTS THE RESULTS OF AN AERIAL STUDY OF PART OF THE NORTHERN HALF OF YUCCA MOUNTAIN		
GS900983115212.003	DATA ON TELEVIEWER LOG AND STRESS MEASUREMENTS IN HOLES USW G-3 AND UE-25P1, YUCCA MOUNTAIN, NYE COUNTY, NEVADA		
GS920108312231.006	PRELIMINARY PERMEABILITY AND WATER-RETENTION DATA FOR NONWELDED AND BEDDED TUFF SAMPLES, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA		

B-1

DATA TRACKING NO. DATA ITEM DESCRIPTION

- 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
- GS940108312212.001 NEUTRON MOISTURE METER COUNTS COLLECTED FROM UE-29 UZN #91 AND UE-29 UZN #92 NEAR YUCCA MOUNTAIN, NEVADA, FROM 10/01/91 AND 09/30/93
- GS931208312133.002 DEPTH-TO-WATER DATA FOR UE-29A #1 AND #2 AND UE-29 UZN #91 COLLECTED IN WATER YEAR 1992
- GS930108312111.003 PRECIPITATION DEPTH IN INCHES FOR EVENTS BETWEEN 10/01/91 AND 09/30/92
- GS931208312133.003 DEPTH-TO-WATER DATA FOR UE-29A #1 AND #2 AND UE-29 UZN #91 COLLECTED IN WATER YEAR 1993
- GS931031174102.001 STRAIN ACCUMULATION NEAR YUCCA MOUNTAIN, NEVADA, 1983 - 1993
- GS920808312232.001 GEOHYDROLOGICAL DATA FROM DRILL-BIT CUTTINGS AND ROTARY CORES FROM TEST HOLE USW UZ-13, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA
- GS930108312312.003 EARTHQUAKE-INDUCED WATER-LEVEL FLUCTUATIONS AT YUCCA MOUNTAIN, NEVADA, JUNE, 1992
- GS930908312313.014 SN-0027, PULSE FLOWMETER SURVEY AT THE UE-25 C-HOLE COMPLEX, NEVADA
- GS930808312332.003 POROSITIES OF CORE SAMPLES FROM BULLFROG MEMBER FORMATION (EAST OF LITTLE SKULL MOUNTAIN)
- GS930708314211.030 PRELIMINARY LITHOLOGY WELL REPORTS: UE-25 WT #4, USW WT-11, AND UE-25 WT #12
- GS931008312132.004 GROUND-WATER ALTITUDES AND WELL DATA, NYE COUNTY, NEVADA AND INYO COUNTY, CALIFORNIA
- GS931008314211.034 PRELIMINARY LITHOLOGY WELL REPORT FOR UE-25WT#14
- GS931008314224.006 DETAILED LINE SURVEY DATA FOR EXPLORATORY STUDIES FACILITY, NORTH RAMP STARTER TUNNEL, RIGHT SLASH

DATA TRACKING NO. DATA ITEM DESCRIPTION

- GS931108312132.019 SPREADSHEETS OF HYDROCHEMICAL ANALYSES
- GS931031174102.002 SURVEY OF DEFORMATION OF 50-KM-APERTURE TRILATERATION NETWORK USING GPS AND A GEODOLITE, CENTERED ON YUCCA MOUNTAIN, 1983 -1984
- GS931031174102.003 SURVEY OF DEFORMATION OF 50-KM-APERTURE TRILATERATION NETWORK USING GPS AND A GEODOLITE, CENTERED ON YUCCA MOUNTAIN, 1993
- GS940308314211.015 PRELIMINARY LITHOLOGY WELL REPORTS: UE-25 WT #13 AND UE-25 WT #15
- GS930308312312.009 WATER LEVELS IN PERIODICALLY MEASURED WELLS IN THE YUCCA MOUNTAIN AREA, NEVADA, 1989
- GS900908314211.013 GEOPHYSICAL STUDIES OF THE SYNCLINE RIDGE AREA NEVADA TEST SITE, NYE COUNTY, NEVADA
- GS900908314212.016 INTERPRETATION OF RESISTIVITY AND INDUCED POLARIZATION PROFILES WITH SEVERE TOPOGRAPHIC EFFECTS, YUCCA MOUNTAIN AREA, NEVADA TEST SITE, NEVADA
- GS930408312121.002 STREAMFLOW AND SELECTED PRECIPITATION DATA FOR YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NEVADA, WATER YEARS 1983-85
- GS900908315131.002 PRELIMINARY ASSESSMENT OF CLIMATIC CHANGE DURING LATE WISCONSIN TIME, SOUTHERN GREAT BASIN AND VICINITY, ARIZONA, CALIFORNIA AND NEVADA
- GS940208312312.006 WATER-LEVEL ALTITUDE DATA, 1993
- GS930308315215.015 WATER TABLE DECLINE IN THE SOUTH-CENTRAL GREAT BASIN DURING THE QUATERNARY: IMPLICATIONS FOR TOXIC WASTE DISPOSAL
- GS930731174101.005 YMP LEVEL DATA: GEODETIC LEVELING AND SECTION OBSERVATIONS, 1992 - 1993
- GS900983117411.006 EVALUATION OF THE SEISMICITY OF THE SOUTHERN GREAT BASIN AND ITS RELATIONSHIP TO THE TECTONIC FRAMEWORK OF THE REGION

### DATA TRACKING NO. DATA ITEM DESCRIPTION

- GS90090123344G.001 TRIAXIAL-COMPRESSION EXTRACTION OF PORE WATER FROM UNSATURATED TUFF, YUCCA MOUNTAIN, NYE COUNTY, NEVADA
- GS940408312232.010 ELASTIC WAVE VELOCITY MEASUREMENTS IN THE PLUG CORE SAMPLES FROM BOREHOLE UE-25 UZ#16, YUCCA MOUNTAIN, NYE COUNTY, NEVADA
- LLLLYMP9107104.000 SPENT FUEL HARDWARE ACTIVITIES AS A FUNCTION OF TIME - TO 1,000,000 YEARS
- SNF29041993002.009 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CORE HOLE ROCK STRUCTURAL DATA SUMMARY FOR HOLE UE25 NRG-1, -2, -2A, -3, -4, -5, USW NRG-6, AND RF#8
- SNF31120393001.001 ANALYSIS OF BLASTING DATA FROM THE NORTH RAMP STARTER TUNNEL: ALCOVE-1 NEAR-FIELD BLAST PROJECT
- SNF28021693001.004 ANALYSIS OF BLASTING DATA FROM THE NORTH RAMP STARTER TUNNEL: TOP HEADING
- SNSAND86713000.000 MECHANICAL, ULTRASONIC AND HYDROLOGIC PROPERTIES OF WELDED TUFF FROM THE GROUSE CANYON HEATED BLOCK SITE
- TM00121361T1EB.003 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT SOCIOECONOMIC MONITORING PROGRAM QUARTERLY EMPLOYMENT DATA REPORT, JANUARY 1994 THROUGH MARCH 1994

## APPENDIX C

. . . . . . . . . . . . . . . .

# SUPERSEDED DATA ITEMS

DTN	SUPERSEDING DTN	CHANGE DESCRIPTION
SNT01122093001.001	SNT01122093001.002	Includes additional data
SNF29041993002.013	SNF29041993002.021	Includes additional data
SNL01B05059301.002	SNL01B05059301.003	Converts digital data to graphical format
*GS940108312212.005	GS940708312212.011	Updates equation for calculating volumetric water content
*GS930108312212.004	GS940708312212.011	Updates equation for calculating volumetric water content
*GS940108312212.006	GS940708312212.011	Updates equation for calculating volumetric water content
*SNL01A05059301.001	SNL01A05059301.002	Additional data based on expanded sample size
*GS900908312232.001	GS930708314211.031	Converts data measurements to metric in Lithologic Log, Table 3

* Indicates data items superseded during current quarter.

#### DISTRIBUTION LIST

Thomas Bindokas, CH W. L. Belke, NRC, Las Vegas, NV (2) William Hinze, Purdue University, West Lafayette, IN J. N. Brune, UNR, Reno, NV J. A. Epps, UNR, Reno, NV James Hendrix, UNR, Reno, NV D. H. Von Seggern, UNR, Reno, NV Klaus Stetzenbach, UNLV, Las Vegas, NV D. L. Weide, UNLV, Las Vegas, NV W. R. Wells, UNLV, Las Vegas, NV Lloyd Levy, Planning Information Corporation, Denver, CO F. H. Swan, Geomatrix, San Francisco, CA Benjamin Ross, DSI, Washington, DC C. E. Russell, DRI, Las Vegas, NV P. E. Wigand, DRI, Reno, NV C. E. Ezra, EG&G/EM, Las Vegas, NV Judy Kuenle, EG&G/EM, Las Vegas, NV D. T. Purvance, IT Corporation, Las Vegas, NV J. A. Canepa, LANL, Los Alamos, NM J. T. Fabryka-Martin, LANL, Los Alamos, NM Carl Gable, LANL, Los Alamos, NM B. A. Robinson, LANL, Los Alamos, NM Sid Weaver, LANL, Los Alamos, NM B. M. Crowe, LANL, Las Vegas, NV N. Z. Elkins, LANL, Las Vegas, NV R. D. Oliver, LANL, Las Vegas, NV D. C. Guerin, LATA, Albuquerque, NM G. S. Bodvarsson, LBL, Berkeley, CA T. N. Narasimhan, LBL, Berkeley, CA Karsten Preuss, LBL, Berkeley, CA Chin-Fu Tsang, LBL, Berkeley, CA J. S. Wang, LBL, Berkeley, CA E. F. Campbell, LLNL, Livermore, CA W. L. Clarke, LLNL, Livermore, CA (3) J. W. Johnson, LLNL, Livermore, CA M. A. Revelli, LLNL, Livermore, CA J. A. Blink, LLNL, Las Vegas, NV P. W. Eslinger, PNL, Richland, WA W. C. Kopatich, RSN, Las Vegas, NV (2) G. W. Heitland, SAIC, Golden, CO T. A. Grant, SAIC, Las Vegas, NV S. P. Hans, SAIC, Las Vegas, NV J. A. Hartley, SAIC, Las Vegas, NV L. S. Linden, SAIC, Las Vegas, NV S. K. Majewski, SAIC, Las Vegas, NV C. A. Matthews, SAIC, Las Vegas, NV K. J. Shenk, SAIC, Las Vegas, NV J. K. Statler, SAIC, Las Vegas, NV L. E. Thompson, SAIC, Las Vegas, NV Reference Center, SAIC, Las Vegas, NV Gerard Heaney, QATSS, Las Vegas, NV L. S. Costin, SNL, Albuquerque, NM, M/S 1325 S. A. Edmund, SNL, Albuquerque, NM, M/S 1330 M. L. Jones, SNL, Albuquerque, NM, M/S 1343 R. P. Sandoval, SNL, 6641, Albuquerque, NM, M/S 0726 Matthew Shain, SNL, Albuquerque, NM, M/S 1330

L. E. Shephard, SNL, Albuquerque, NM, M/S 1333 C. M. Steele, SNL, Albuquerque, NM, M/S 1343 Peggy Warner, SNL, Albuquerque, NM, M/S 1330 D. L. Eley, SNL, Albuquerque, NM, M/S 1343 J. E. Grant, SNL, Mercury, NV, M/S 714 D. S. Kessel, SNL, Las Vegas, NV H. A. Benton, M&O/B&W, Las Vegas, NV T. M. Williamson, M&O/Duke, Las Vegas, NV P. A. Pimentel, M&O/Fluor, Las Vegas, NV R. W. Andrews, M&O/INTERA, Vienna, VA R. W. Nelson, M&O/INTERA, Las Vegas, NV D. C. Sassani, M&O/INTERA, Las Vegas, NV A. E. Van Luik, M&O/INTERA, Las Vegas, NV S. J. Bodnar, M&O/TRW, Las Vegas, NV L. D. Foust, M&O/TRW, Las Vegas, NV R. F. Lewis, M&O/TRW, Las Vegas, NV Scott Sinnock, M&O/TRW, Las Vegas, NV H. C. Stafford, M&O/TRW, Las Vegas, NV R. N. Datta, M&O/WCC, Las Vegas, NV S. T. Nelson, M&O/WCC, Las Vegas, NV C. T. Statton, M&O/WCC, Las Vegas, NV (2) P. W. McKie, M&O/M-K, Las Vegas, NV K. K. Bhattacharyya, M&O/M-K, Las Vegas, NV J. L. Naaf, M&O/M-K, Las Vegas, NV D. L. Koss, REECo, Las Vegas, NV J. A. Krulik, USBR, Denver, CO A. L. Flint, USGS, Mercury, NV, M/S 721 Timothy Libermann, USGS, Carson City, NV H. W. Oliver, USGS, Menlo Park, CA D. H. Appel, USGS, Denver, CO M. S. Boucher, USGS, Denver, CO M. S. Boucher, USGS, Denver, CO M. P. Chornack, USGS, Denver, CO R. M. Forester, USGS, Denver, CO D. C. Gillies, USGS, Denver, CO F. L. Hennessy, USGS, Denver, CO K. A. Larsen, USGS, Denver, CO R. R. Luckey, USGS, Denver, CO P. W. McKinley, USGS, Denver, CO T. M. Mendez-Vigo, USGS, Denver, CO Z. E. Peterman, USGS, Denver, CO R. W. Spengler, USGS, Denver, CO J. S. Stuckless, USGS, Denver, CO James Watson, USGS, Denver, CO J. W. Whitney, USGS, Denver, CO J. B. Woolverton, USGS, Denver, CO D. A. Beck, USGS, Las Vegas, NV D. C. Buesch, USGS, Las Vegas, NV R. W. Craig, USGS, Las Vegas, NV L. R. Hayes, USGS, Las Vegas, NV D. T. Hoxie, USGS, Las Vegas, NV D. W. Duncan, AMEM, NV J. R. Dyer, YMSCO, NV S. J. Brocoum, YMSCO, NV (2) T. W. Bjerstedt, YMSCO, NV (21) W. R. Dixon, YMSCO, NV S. B. Jones, YMSCO, NV D. R. Williams, YMSCO, NV T. I. Fortner, YMSCO, NV J. M. Replogle, YMSCO, NV R. E. Spence, YMQAD (RW-3.2) YMSCO, NV

<u>ج</u>ک،

137