Appendix A

Uranium Occurrence Table of the

Socorro Quadrangle

Compiled by

Brian J. Hannigan

1979

Appendix A:--Uranium Occurrences in the Socorro Quadrangle

Compiled by Brian J. Hinnigan

Occurrence no.	Name	Location	Host rock Formation/member	Deposit class[1]	Production[2]	Reference[3]
1	Sandy Mine Sandy Area So. Laguna Mines	S27 T09N R05W 34°59'13"N 107°20'55"W	Entrada Sandstone	Epigenetic Sandstone (240)	a	USGS PP 603 PRR-ED-R-477 USGS PP 519
2	Unnamed Deposit So. Laguna Mines	S27 T09N R05W 34°59'15"N 107°20'45"W	Todilto Limestone	Epigenetic Limestone (230)	a	USGS PP 603
3	Unnamed Deposit So. Laguna Mines	S27 T09N R05W 34°59'10"N 107°20'50"W	Todilto Limestone	Epigenetic Limestone (230)	a	USGS PP 603
4	Balo Mining Co.	S18 T08N R06W 34°55'05"N 107°30'10"W	Todilto Limestone	Epigenetic Limestone (230)	a	PRR-ED-R-383
5	Paisano Mine Balo Mining Co.	S16 T08N R06W 34°55'20"N 107°28'28"W	Todilto Limestone	Epigenetic Limestone (230)	a	USGS PP 603 PPR-ED-R-286
6	Crack Pot Mine Anaconda Co.	S08 T08N R05W 34°56'20"N 107°23'36"W	Todilto Limestone	Epigenetic Limestone (230)	a	USGS PP 603 USGS PP 519
7	Sonora 1-4 Windy Claims	S12 T07N R05W 34°51'20"N 107°18'30"W	Chinle fm	Contact Metasomatic (340)	a	PRR-ED-R-392 USGS PP 603
8	Brownlow-Heath Prospect	S04 T06N R04W 34°46'50"N 107°15'40"W	Chinle fm	Epigenetic Sandstone (240)	a	USGS PP 603
9	Unnamed Deposit	S11 T02N R11W 34°25'05"N 107°57'25"W	Crevasse Canyon Fm	Epigenetic Sandstone (240)	a	USGS PP 603
10	Midnight #2 Mine	S12 T02N R11W 34°25'00"N 107°57'05"W	Crevasse Canyon Fm	Epigenetic Sandstone (240)	a	USGS PP 603
11	McPhaul Adit	S14 T02N R11W 34°24'07"N 107°57'15"W	Crevasse Canyon Fm	Epigenetic Sandstone (240)	a	USGS PP 603 PRR-F-1129

Appendix A:--Uranium Occurrences in the Socorro Quadrangle - continued

Occurrence no.	Name	Location	Host rock Formation/member	Deposit class[1]	Production[2]	Reference[3]
12	Tietzen-Red Basin Claims Unnamed Deposit	S19 T02N R10W 34°23'20"N 107°55'40"W	Baca Fm	Epigenetic Sandstone (240)	a	PRR-DEB-RRA 1186 USGS PP 603
13	Red Basin #2 Unnamed Deposit	S20 T02N R10W 34°23'00"N 107°54'30"W	Crevasse Canyon Fm	Epigenetic Sandstone (240)	a	USGS PP 603
14	Unnamed Deposit	S27 T02N R10W 34°22'15"N 107°52'50"W	Crevasse Canyon Fm	Epigenetic Sandstone (240)	a	USGS PP 603
15	Unnamed Deposit	S35 T02N R10W 34°21'15"N 107°51'00"W	Crevasse Canyon Fm	Epigenetic Sandstone (240)	a	USGS PP 603
16	Drag A Ranch Occurrence	S31 T02N R09W 34°21'10"N 107°49'15"W	Baca Fm	Epigenetic Sandstone (240)	a	USGS PP 603 PRR-F-1102
17	Southwest Minerals Area	S01 T01N R10W 34°20'25"N 107°50'20"W	Baca Fm	Epigenetic Sandstone (240)	a	DBO-4-TM-6
18	Rayborn Prospect	S06 T02N R08W 34°25'20"N 107°42'37"W	Gallup Sandstone	Epigenetic Sandstone (240)	a	USGS PP 603
19	Blue Mesa #1	S08 T02N R08W 34°24'50"N 107°42'00"W	Baca Fm	Epigenetic Sandstone (240)	a	PRR "Unnumbered"
20	Nicolls-Higgins-Jones	S02 T01N R06W 34°20'15"N 107°26'30"W	Baca Fm	Epigenetic Sandstone (240)	a	PRR-ASO-5
21	Hot Shot Mine Hot Spot Mine	S18 T01N R05W 34°19'00"N 107°24'15"W	Baca Fm	Epigenetic Sandstone (240)	a	USGS PP 603 PRR-DEB-RRA 1406
22	Unknown	S07 T01N R05W 34°19'15"N 107°24'20"W	Mesaverde Group	Epigenetic Sandstone (240)	a	RME 1054
23	Unknown	S13 T01N R06W 34°18'15"N 107°25'15"W	Baca Fm	Epigenetic Sandstone (240)	a	RME-1054

Appendix A:--Uranium Occurrences in the Socorro Quadrangle - continued

Occurrence no.	Name	Location	Host rock Formation/member	Deposit class[1]	Production[2]	Reference[3]
24	Hogsett, Hust, Henderson Claims Air Anomalies #2&3 Hook Ranch, Jaralosa	S24 T01N R06W 34°18'10"N 107°25'10"W	Baca Fm	Epigenetic Sandstone (240)	a	PRR-DEB-RRA 1176 USGS PP 603
25	Unknown Hust-McDonald-Brown (?)	S24 T01N R06W 34°17'40"N 107°25'15"W	Baca Fm	Epigenetic Sandstone (240)	a	PRR-DEB-RRA 1154 USGS PP 603
26	Rusty Atom Claims #1-5	S26 T01N R06W 34°16'45"N 107°26'00"W	Baca Fm	Epigenetic Sandstone (240)	a	PRR-DEB-RRA 1407
27	Hook Ranch Deposit	S26 T01N R06W 34°16'45"N 107°26'10"W	Baca Fm	Epigenetic Sandstone (240)	a	GJOO Monthly Report July 1955
28	Unknown	S14 T01S R06W 34°13'20"N 107°26'10"W	Mesaverde Group	Epigenetic Sandstone (240)	a	PRR-DEB-RRA
29	Unknown	S ? T01S ? R06W ? 34°11'10"N 107°28'00"W	Datil Fm	Volcanogenic (500)	a	PRR-DEB-RRA 800
30	King Mining Claim	S04 T01N R04W 34°20'30"N 107°15'30"W	Baca Fm	Epigenetic Sandstone (240)	a	USGS PP 603 PRR-DEB-RRA 1413
31	Riley Area	S15 T01N R04W 34°18'50"N 107°15'00"W	Baca Fm	Epigenetic Sandstone (240)	a	RME1073
32	Luciel Claims #1-8	S13 T01N R04W 34°18'50"N 107°13'00"W	Baca Fm	Epigenetic Sandstone (240)	a	PRR-DAO-PU 1500
33	Charles Jeeter Mine Charley #2	S35 T03N R02W 34°26'20"N 107°01'00"W	Popotosa Fm	Vein-type deposit in sedimentary rocks (730)	b	PRR-ED-R368 USGS PP 603
34	Silver Creek Prospect	S15 T01N R02W 34°18'45"N 107°02'00"W	Popotosa Fm	Volcanogenic (500)	a	USGS PP 603
35	Unknown	S21 T01N R01W 34°17'40"N 106°57'00"W	Santa Fe Group	Epigenetic Sandstone (240)	a	TEI 198

Appendix A:--Uranium Occurrences in the Socorro Quadrangle - continued

Occurrence no.	Name	Location	Host rock Formation/member	Deposit class[1]	Production[2]	Reference[3]
36	Unknown	S28 T01N R01W 34°17'00"N 106°56'30"W	Santa Fe Group	Epigenetic Sandstone (240)	a	TEI 198
37	Unknown	S02 T01S R02W 34°15'30"N 107°01'00"W	Popotosa Fm	Volcanogenic (500)	a	TEM 290
38	Unknown	S02 T01S R02W 34°15'25"N 107°01'00"W	Popotosa Fm	Volcanogenic (500)	a	TEM 290
39	Polvadera Mtn Claim	S19 T01S R01W 34°12'00"N 106°59'00"W	Popotosa Fm	Epigenetic Sandstone (?) (240) ?	a	RME 1073
40	Four Jokes	S19 T01S R01W 34°12'40"N 106°58'30"W	Popotosa Fm	Epigenetic Sandstone (240)?	a	Monthly Report 5-55 AEC-DEM DEB p. 22
41	San Lorenzo #1	S18 T01S R01W 34°13'20"N 106°59'00"W	Unknown	Volcanogenic (500)	a	AEC Property Card 10/64
42	Carter-Tolliver-Cook Claims	S06 T02S R01W 34°09'50"N 106°58'50"W	Unnamed Precambrian unit	Magmatic-Hydrothermal (230)	a	PRR-DEB-RRA 1410
43	Vulcan Claims	S07 T02S R01W 34°09'20"N 106°59'00"W	Unnamed Precambrian unit	Magmatic-Hydrothermal (230)	a	This report
44	Unknown	S28 T03S R01W 34°01'30"N 106°56'30"W	Santa Fe Group	Pneumatogenic (520)	a	RME 1054
45	Unknown	S14 T03S R01E 34°03'00"N 106°48'10"W	Unnamed Precambrian unit	Magmatic-Hydrothermal (230)	a	RME 1054
46	Minas Del Chupadero	S26 T02S R01W 34°06'40"N 106°48'50"W	Madera Group	Vein-type deposits in sedimentary rocks (730)	a	PRR-DEB-RRA 1148
47	Lucky Don (Bonanza)	S35 T02S R02E 34°05'55"N 106°42'00"W	San Andres Limestone	Vein-type deposits in sedimentary rocks (730)	a	USGS PP 603

Appendix A:--Uranium Occurrences in the Socorro Quadrangle - continued

Occurrence no.	Name	location	Host rock Formation/member	Deposit class[1]	Production[2]	Reference[3]
48	Little Davie Claim	S35 T02S R02E 34°05'50"N 106°42'00"W	San Andres Limestone	Vein-type deposits in sedimentary rocks (730)	a	USGS PP 603
49	Unknown	S23 T01N R01E 34°17'30"N 106°48'45"W	Madera Group (?)	Magmatic-Hydrothermal (330)	a	PRR-DEB-RRA 1159
50	Unknown	S31 T01N R02E 34°16'00"N 106°46'30"W	Unnamed Precambrian unit	Magmatic-Hydrothermal (330) ?	a	RME 1054
51	T. D. Cambell	S22 T01N R02E 34°17'24"N 106°43'24"W	Chinle Fm	Epigenetic Sandstone (240)	a	USGS PP 603 PRR-DEB-P-4-1452
52	Marie Prospect Mary Ball #1	S01 T01S R02E 34°14'40"N 106°40'40"W	Madera Group	Vein-type deposits in sedimentary rocks (730)	a	USGS PP 603
53	Aqua Torres	S13 T01S R02E 34°13'45"N 106°40'45"W	Madera Group	Vein-type deposits in sedimentary rocks (730)	a	USGS PP 603
54	Black Butte Occurrence	S12 T02N R02E 34°24'40"N 106°40'50"W	Unnamed Tertiary Rhyolite	Volcanogenic (500)	a	PRR-DEB-RRA 1412
55	Antonio Sanchez Ranch Claim	S09 T01N R04E 34°19'30"N 106°31'40"W	Abo Fm	Epigenetic Sandstone (240)	a	RMO 890
56	Scholle	S10 T02N R05E 34°24'30"N 106°24'30"W	Abo Fm	Epigenetic Sandstone (240)	a	TEM 198
57	Contreras Mining Co	S05 T02N R05E 34°25'35"N 106°26'30"W	Abo Fm	Epigenetic Sandstone (240)	a	RMO 890
58	Unknown	S05 T02N R05E 34°25'35"N 106°26'25"W	Abo Fm	Epigenetic Sandstone (240)	a	PRR-RG-2-51
59	Uranium Prospect Tom Arnett Prospect Abo Mine	S03 T02N R05E 34°25'15"N 106°24'15"W	Abo Fm	Epigenetic Sandstone (240)	a	PRR-RG-1-51 RMO 890 USGS PP 603

Appendix A:--Uranium Occurrences in the Socorro Quadrangle - continued

Occurrence no.	Name	Location	Host rock Formation/member	Deposit class[1]	Production[2]	Reference[3]
60	Unknown	S22 T03N R05E 34°28'00"N 106°24'20"W	Abo Fm	Epigenetic Sandstone (240)	a	PRR-DEB-RRA 569
61	Miners Dream McTerry Mines Thelma-Ann Mines	S22 T03N R05E 34°28'15"N 106°24'15"W	Abo Fm	Epigenetic Sandstone (240)	a	PRR-DEB-RRA 568
62	Abo Mining Claims	S23 T03N R05E 34°28'30"N 106°24'20"W	Abo Fm	Epigenetic Sandstone (240)	a	PRR-DEB-RRA 1401 USGS PP 603
63	Rattlesnake #1-4	S15 T03N R05E 34°28'55"N 106°24'30"W	Abo Fm	Epigenetic Sandstone (240)	a	PRR-DEB-RRA 1180 USGS PP 603
64	Pioneer Claim	S15 T03N R05E 34°29'10"N 106°24'00"W	Abo Fm	Epigenetic Sandstone (240)	a	PRR-DEB-RRA 464 USGS PP 603
65	Copper Girl	S28 T04N R05E 34°32'20"N 106°25'13"W	Abo Fm	Epigenetic Sandstone (240)	a	PRR-DEB-MR 4/55
66	Thomas & Melbourn	S15 T04N R05E 34°34'20"N 106°24'30"W	Abo Fm	Epigenetic Sandstone (240)	a	Mineral Report Form Submitted by owner 2/26/51

FOOTNOTES

1 Use of the term "Volcanogenic" implies that the occurrence is in volcanic rocks, but that not enough data are available to place it in the NURE classification scheme

2 Production categories when used

- a 0-20,000 lb U_3O_8
- b 20,000 - 200,000 lb U_3O_8
- c 200,000 - 2 million lb U_3O_8
- d 2 million - 20 million lb U_3O_8
- e >20 million lb U_3O_8

FOOTNOTES - continued

3

PRR: U.S. Atomic Energy Commission Reconnaissance Report

USGS PP: U.S. Geological Survey Professional Paper

RME: U.S. Atomic Energy Commission Raw Material Evaluation Report

GJOO: U.S. Atomic Energy Commission Grand Junction Operations Office

TEI: U.S. Geological Survey Trace Elements Investigations Report

RMO: U.S. Atomic Energy Commission Raw Materials Observations Report

TEM: U.S. Geological Survey Trace Elements Memorandum

Appendix B-1 - Chemical Analyses of Rock Samples, Socorro

A. Location and Description of Rock Samples. Data compiled by Charles T. Pierson and Karen J. W[...]ch-Verbeek.

The geochemical information in this report was retrieved from the Rock Analysis Storage System (RASS) maintained by the Branch of Regional Geochemistry.

* *

* The data from which this retrieval was made constitute a miscellaneous collection of analyses from a variety of field and laboratory investigations. The U. S. Geological Survey makes no guarantee of the accuracy or completeness of these data. *

* *

The geochemical data are listed by the standard symbols for the chemical element or compound in percent (%) or in parts per million (ppm). Properties not chemical in nature are given in conventional units. Properties which may appear in this listing, but which are not readily interpreted are defined here:

T-Fe2O3	= total iron as ferric oxide	N-org	= organic nitrogen
T-H2O	= total water	T-P	= total phosphorus
T-S	= total sulfur as sulfur	WSSalts	= water soluble salts
T-RE2O3	= total rare earths	T-C/A	= total carbon as carbon in ash
T-C	= total carbon as carbon	CO3C/A	= carbonate carbon in ash
Orgnc C	= organic carbon	Pow Den	= powder density (grams per cubic centimeter)
Crbnt C	= carbonate carbon	Bulk Den	= bulk density (grams per cubic centimeter)
Grpht C	= graphitic carbon	Sp Grav	= specific gravity
eTh	= equivalent thorium	LOI	= loss on ignition
eU	= equivalent uranium	A Insol	= acid insoluble
Alkl	= alkalinity, as calcium carbonate	Oil/OS	= oil by fischer assay
Hrdn	= hardness, as calcium carbonate	H2O/OS	= water by fischer assay
Hd-c	= carbonate hardness	Sp Sh	= spent shale by fischer assay
Hd-nc	= non-carbonate hardness	Gas+Los	= gas plus loss by fischer assay
DSol	= dissolved solids	Oil G/T	= oil, gallons per ton by fischer assay
SSol	= suspended solids	H2O G/T	= water , gallons per ton by fischer assay
Sp Cndct	= specific conductance, micromhos per centimeter	Oil Grav	= specific gravity of oil
DOx	= dissolved oxygen	Coking	= tendency to coke; 1=none, 2=slight, 3=medium, 4=heavy
T-N	= total nitrogen		

A label containing "-S" means the element concentration was measured by emission spectrography. A label containing a "/A" means the sample was ashed prior to analysis. Some of the data listed herein may carry with them qualifying codes whose meanings are:

- N = constituent not detected at lower limit of determination
- H = constituent not determined because of interference
- L = constituent less than given value, or if given value is zero, constituent less than lower limit of determination
- G = constituent greater than given value, or if given value is zero, constituent greater than upper limit of determination
- B = blank, no data available
- T = constituent present in trace amounts

If all data for a sample are qualified by the symbol B, it means that the sample has been submitted but not yet analyzed. Very likely, much of the data in this listing will consist of a number in the ascending series 0.0001, 0.00015, 0.0002, 0.0003, 0.0005, 0.0007, 0.0010, 0.0015, 0.0020, ..., 0.1- 0.15, 0.2, 0.3, 0.5, 0.7, 1.0, 1.5, 2.0, 3.0, 5.0, 7.0, 10.0, 15.0, 20.0, ..., 10,000, 15,000, 20,000, 30,000, 50,000, 70,000, and 100,000. These numbers represent approximate midpoints of geometric classes devised for a semi-quantitative scheme of spectrographic analysis described in U. S. Geological Survey Bulletin 1084-I (Myers, Havens and Dunton 1961). The analytical precision may vary from constituent to constituent. Regardless of the apparent number of significant digits given, all data should be rounded to one or two significant digits, and never more than three.

The sample location is given by latitude and longitude in degrees, minutes, and seconds. Some or all of the given locations may be approximate. Zero latitudes and longitudes mean no such information was supplied. The area of collection is given as the state if the sample was collected in the United States and as the general part of the world if the sample was collected outside of the United States. Samples collected from the oceans are identified by oc as, for example, "pacific oc".

Mineral names listed under "sample material" are given as a five-letter code consisting of the first letter followed by the next four consonants (excluding y), unless the name has five or fewer letters in which case the name is fully spelled out. For example, pyroxene is listed as "prxn," orthoclase as "orthc" and mica as "mica."

Three asterisks (***) preceding sample category means sample is mineralized. Two asterisks (**) means sample is altered. One asterisk (*) means sample is otherwise economically important or was collected in a mineralized area.

Sample ID	Submitter Name	Submittal Date		Sample Category	Sample Material
D209384	HENRICH KAREN	78-12-15		IGNEOUS ROCK	
D209385	HENRICH KAREN	78-12-15		IGNEOUS ROCK	DIABASE INTRUSIVE
D209386	HENRICH KAREN	78-12-15		IGNEOUS ROCK	RHYOLITE EXTRUSIVE
D209387	HENRICH KAREN	78-12-15		IGNEOUS ROCK	RHYOLITE EXTRUSIVE
D211028	PIERSON CHARLES T	79- 2- 1	***	MISCELLANEOUS	GOSSAN
D211029	PIERSON CHARLES T	79- 2- 1		SEDIMENTARY ROCK	LIMESTONE AND/OR DOLOMITE
D211030	PIERSON CHARLES T	79- 2- 1	***	SEDIMENTARY ROCK	LIMESTONE AND/OR DOLOMITE
D211031	PIERSON CHARLES T	79- 2- 1	*	SEDIMENTARY ROCK	MUDSTONE
D211032	PIERSON CHARLES T	79- 2- 1	*	SEDIMENTARY ROCK	SANDSTONE
D211033	PIERSON CHARLES T	79- 2- 1	*	SEDIMENTARY ROCK	SANDSTONE
D211034	PIERSON CHARLES T	79- 2- 1	*	SEDIMENTARY ROCK	SANDSTONE
D211035	PIERSON CHARLES T	79- 2- 1	*	SEDIMENTARY ROCK	MUDSTONE
D211036	PIERSON CHARLES T	79- 2- 1	*	IGNEOUS ROCK	GRANITE
D211037	PIERSON CHARLES T	79- 2- 1	*	MISCELLANEOUS	FAULT BRECCIA, MYLONITE OR GOUGE
D211038	PIERSON CHARLES T	79- 2- 1	*	SEDIMENTARY ROCK	MUDSTONE
D211039	PIERSON CHARLES T	79- 2- 1	*	SEDIMENTARY ROCK	MUDSTONE
D211040	PIERSON CHARLES T	79- 2- 1	*	MISCELLANEOUS	FAULT BRECCIA, MYLONITE OR GOUGE
D211041	PIERSON CHARLES T	79- 2- 1	***	IGNEOUS ROCK	ANDESITE
D211042	PIERSON CHARLES T	79- 2- 1	*	SEDIMENTARY ROCK	SILTSTONE
D211043	PIERSON CHARLES T	79- 2- 1	*	SEDIMENTARY ROCK	SILTSTONE
D211045	PIERSON CHARLES T	79- 2- 1	*	SEDIMENTARY ROCK	MUDSTONE
D211046	PIERSON CHARLES T	79- 2- 1	*	SEDIMENTARY ROCK	SILTSTONE
D211537	HENRICH K J	79- 4-17	**	METAMORPHIC ROCK	MEDIUM GRADE HORNFELS
D211538	HENRICH K J	79- 4-17	***	METAMORPHIC ROCK	SKARN
D211539	HENRICH K J	79- 4-17	**	METAMORPHIC ROCK	SKARN
D211540	HENRICH K J	79- 4-17		IGNEOUS ROCK	RHYOLITE FLOW
D211541	HENRICH K J	79- 4-17		IGNEOUS ROCK	
D211542	HENRICH K J	79- 4-17		SEDIMENTARY ROCK	SILTSTONE
D211543	HENRICH K J	79- 4-17	**	SEDIMENTARY ROCK	MUDSTONE
D211544	HENRICH K J	79- 4-17	**	METAMORPHIC ROCK	
D211545	HENRICH K J	79- 4-17		IGNEOUS ROCK	ANDESITE
D211546	HENRICH K J	79- 4-17	***	SEDIMENTARY ROCK	SILTSTONE
D211547	HENRICH K J	79- 4-17	***	METAMORPHIC ROCK	QUARTZITE
D211548	HENRICH K J	79- 4-17		IGNEOUS ROCK	EXTRUSIVE
D211549	HENRICH K J	79- 4-17		IGNEOUS ROCK	RHYOLITE FLOW
D213609	PIERSON CHARLES T	79- 5- 7			
D213610	PIERSON CHARLES T	79- 5- 7		SEDIMENTARY ROCK	SANDSTONE
D213611	PIERSON CHARLES T	79- 5- 7		SEDIMENTARY ROCK	SANDSTONE
D213612	PIERSON CHARLES T	79- 5- 7		SEDIMENTARY ROCK	SANDSTONE
D213613	PIERSON CHARLES T	79- 5- 7		SEDIMENTARY ROCK	SILTSTONE
D213614	PIERSON CHARLES T	79- 5- 7		SEDIMENTARY ROCK	SILTSTONE
D213615	PIERSON CHARLES T	79- 5- 7		SEDIMENTARY ROCK	CONGLOMERATE
D213616	PIERSON CHARLES T	79- 5- 7		SEDIMENTARY ROCK	CONGLOMERATE
D213617	PIERSON CHARLES T	79- 5- 7		SEDIMENTARY ROCK	CONGLOMERATE
D213618	PIERSON CHARLES T	79- 5- 7		SEDIMENTARY ROCK	CONGLOMERATE
D213619	PIERSON CHARLES T	79- 5- 7		SEDIMENTARY ROCK	SANDSTONE
D214896	PIERSON CHARLES T	79- 7-17	***	SEDIMENTARY ROCK	LIMESTONE AND/OR DOLOMITE
D214897	PIERSON CHARLES T	79- 7-17	***	SEDIMENTARY ROCK	LIMESTONE AND/OR DOLOMITE
D214898	PIERSON CHARLES T	79- 7-17	***	SEDIMENTARY ROCK	SANDSTONE
D214899	PIERSON CHARLES T	79- 7-17		METAMORPHIC ROCK	

Sample ID	Formation Name	Comments
D209384	UN-NAMED PRECAMBRIAN UNIT	ALTERED BASIC IGNEOUS ROCK, OCC. #42
D209385	UN-NAMED PRECAMBRIAN UNIT	DIABASE, OCC. #42
D209386	HELLS MESA TUFF	RHYOLITE TUFF
D209387	A-L PEAK TUFF	RHYOLITE
D211028	MADERA GP.	MINERALIZED LIMESTONE, OCC. #53
D211029	MADERA GP.	RADIOACTIVE LIMESTONE FLOAT, OCC. #46
D211030	SAN ANDRES LS.	MINERALIZED LIMESTONE, OCC. #47
D211031	CHEVASSE CANYON FM.	SILT-MUDSTONE IRON-STAINED FROM 2"-3" BED, OCC. #11
D211032	CHEVASSE CANYON FM.	GREEN SANDSTONE. LOCATED JUST BELOW MDQ 128
D211033	BACA FM.	CARBONACEOUS MATERIAL IN SANDSTONE, OCC. #31
D211034	BACA FM.	RADIOACTIVE SANDSTONE, OCC. #31
D211035	BACA FM.	REDDISH BROWN MUDSTONE BED ON FLOAT BLOCK, OCC. #12
D211036	UN-NAMED PRECAMBRIAN UNIT	GRANITE FROM ORE STOCK PILE, OCC. #33
D211037	POPOTOSA FM.	FAULT GOUGE(?) TAKEN FROM STOCK PILE, OCC. #33
D211038	POPOTOSA FM.	TOP OF 3 SAMPLES IN PLACE. RED MUDSTONE, OCC. #33
D211039	POPOTOSA FM.	MIDDLE OF 3 SAMPLES. PURPLE MUDSTONE, OCC. #33
D211040	POPOTOSA FM.	BOTTOM OF THREE SAMPLES IN PLACE. CLAYEY ARKOSE, OCC. #33
D211041	POPOTOSA FM.	FRACTURE COATINGS ON ANDESITE, OCC #34
D211042	POPOTOSA FM.	BLEACHED SILTSTONE ALONG FAULT
D211043	POPOTOSA FM.	SEMI BLEACHED SILTSTONE ALONG FAULT
D211045	POPOTOSA FM.	REPLICATE SPLIT OF SAMPLE MDQ135
D211046	POPOTOSA FM.	REPLICATE SPLIT OF SAMPLE MDQ139
D211537		HORNFELS, OCC. #7
D211538		GARNET-EPIDOTE SKARN, OCC. #7
D211539		METAMORPHOSED LIMESTONE, OCC. #7
D211540	UN-NAMED TERTIARY RHYOLITE	RHYOLITE, OCC. #54
D211541	UN-NAMED TERTIARY RHYOLITE	CHALCEDONY, OCC. #54
D211542	ABO FM.	ABO SANDSTONE
D211543	POPOTOSA FM.	RADIOACTIVE SHALE/SILTSTONE, OCC. #33
D211544	POPOTOSA FM.	GOUGE FROM FAULT CONTACT ZONE, OCC. #33
D211545	UN-NAMED TERTIARY ANDESITE	ANDESITE, OCC. #37
D211546	MADERA GP.(?)	SHALE/SILTSTONE, OCC. #49
D211547	MADERA GP.(?)	RADIOACTIVE QUARTZITE, OCC. #49
D211548	UN-NAMED TERT. VOLC. UNIT	VITROPHYRE
D211549		REPLICATE OF MDQ-008
D213609	UN-NAMED PRECAMBRIAN UNIT	DRILL CUTTINGS FROM DIABASE(?) DIKE, OCC. #42
D213610	BACA FM.	SANDSTONE WITH HIGHEST ANOMALOUS READINGS IN AREA, OCC. #23
D213611	BACA FM.	SANDSTONE ABOVE CONGLOMERATE LAYER, OCC. #23
D213612	BACA FM.	CARBONACEOUS TRASH IN SANDSTONE >10,000CPS, OCC. #23
D213613	ABO FM.	SILTSTONE SAMPLE AT ADIT MOUTH, OCC. #62
D213614	ABO FM.	SILTSTONE SAMPLE 15M INTO ADIT, OCC. #62
D213615	ABO FM.	UNMINERALIZED LIMESTONE FROM DOZER PIT, OCC. #62
D213616	ABO FM.	LIMESTONE PEBBLE CONGLOMERATE IN PLACE, OCC. #62
D213617	ABO FM.	LIMESTONE PEBBLE CONGLOMERATE FLOAT, OCC. #62
D213618	ABO FM.	RADIOACTIVE LIMESTONE PEBBLE CONGLOMERATE, OCC. #62
D213619	ABO FM.	RADIOACTIVE COPPER-MINERALIZED PETRIFIED LOG, OCC. #62
D214896	SAN ANDRES LS.	RADIOACTIVE MINERALIZED LIMESTONE, OCC. #47
D214897	SAN ANDRES LS.	RADIOACTIVE MINERALIZED LIMESTONE, OCC. #47
D214898	CHINLE FM.	SANDSTONE AT BROWNLOW HEATH PROSPECT, OCC. #8
D214899	UN-NAMED PRECAMBRIAN UNIT	SAMPLE OF INCLUSIONS OF METASEDIMENTS, OCC. #43

Sample ID	Field No.	Area	Latitude	Longitude	Sample Type	Sample Source	Geologic Age	
D209384	MDQ001	NEW MEXICO	34- 9-50N	106-58-50W	SINGLE	UNDERGROUND MINE	PRECAMBRIAN	- TERTIARY
D209385	MDQ002	NEW MEXICO	34- 9-50N	106-58-50W	SINGLE	UNDERGROUND MINE	PRECAMBRIAN	- TERTIARY
D209386	MDQ003	NEW MEXICO	34-20- 0N	107-16-45W	SINGLE	FLOAT		
D209387	MDQ004	NEW MEXICO	34-20- 0N	107-16-45W	SINGLE	FLOAT		
D211028	MDQ125	NEW MEXICO	34-13-45N	106-40-45W	SINGLE	OPEN PIT MINE	PENNSYLVANIAN	- PERMIAN
D211029	MDQ126	NEW MEXICO	34- 6-40N	106-48-50W	SINGLE	OPEN PIT MINE	PENNSYLVANIAN	- PERMIAN
D211030	MDQ127	NEW MEXICO	34- 5-55N	106-42- 0W	SINGLE	OPEN PIT MINE	PERMIAN	
D211031	MDQ128	NEW MEXICO	34-24- 0N	107-57-15W	SINGLE	OUTCROP	CRETACEOUS	
D211032	MDQ129	NEW MEXICO	34-24- 0N	107-57-15W	SINGLE	OUTCROP	CRETACEOUS	
D211033	MDQ130	NEW MEXICO	34-18-50N	107-15- 0W	SINGLE	PROSPECT PIT	TERTIARY	
D211034	MDQ131	NEW MEXICO	34-18-50N	107-15- 0W	SINGLE	PROSPECT PIT	TERTIARY	
D211035	MDQ132	NEW MEXICO	34-23-20N	107-55-40W	SINGLE	PROSPECT PIT	TERTIARY	
D211036	MDQ133	NEW MEXICO	34-26-20N	107- 1- 0W	SINGLE	OPEN PIT MINE	TERTIARY	
D211037	MDQ134	NEW MEXICO	34-26-20N	107- 1- 0W	SINGLE	OPEN PIT MINE	TERTIARY	
D211038	MDQ135	NEW MEXICO	34-26-20N	107- 1- 0W	SINGLE	OPEN PIT MINE	TERTIARY	
D211039	MDQ136	NEW MEXICO	34-26-20N	107- 1- 0W	SINGLE	OPEN PIT MINE	TERTIARY	
D211040	MDQ137	NEW MEXICO	34-26-20N	107- 1- 0W	SINGLE	OPEN PIT MINE	TERTIARY	
D211041	MDQ138	NEW MEXICO	34-18-45N	107- 2- 0W	SINGLE	PROSPECT PIT	TERTIARY	
D211042	MDQ139	NEW MEXICO	34-21-40N	106-59-20W	SINGLE	OUTCROP	TERTIARY	
D211043	MDQ140	NEW MEXICO	34-21-40N	106-59-20W	SINGLE	OUTCROP	TERTIARY	
D211045	MDQ142	NEW MEXICO	34-26-20N	107- 1- 0W	SINGLE	OPEN PIT MINE	TERTIARY	
D211046	MDQ143	NEW MEXICO	34-21-40N	106-59-20W	SINGLE	OUTCROP	TERTIARY	
D211537	MDQ005	NEW MEXICO	34-51-20N	107-18-30W	SINGLE	PROSPECT PIT	PERMIAN	- PLEISTOCENE
D211538	MDQ006	NEW MEXICO	34-51-20N	107-18-30W	SINGLE	PROSPECT PIT	PERMIAN	- PLEISTOCENE
D211539	MDQ007	NEW MEXICO	34-51-20N	107-18-30W	SINGLE	OUTCROP	PERMIAN	- PLEISTOCENE
D211540	MDQ008	NEW MEXICO	34-24-40N	106-40-50W	SINGLE	OUTCROP	TERTIARY	- PLEISTOCENE
D211541	MDQ009	NEW MEXICO	34-24-40N	106-40-50W	SINGLE	PROSPECT PIT	TERTIARY	- PLEISTOCENE
D211542	MDQ010	NEW MEXICO	34-25-10N	106-25-10W	SINGLE	OUTCROP	PERMIAN	
D211543	MDQ011	NEW MEXICO	34-26-20N	107- 1- 0W	SINGLE	PROSPECT PIT	MIOCENE	
D211544	MDQ012	NEW MEXICO	34-26-20N	107- 1- 0W	SINGLE	OPEN PIT MINE	MIOCENE	- PLEISTOCENE
D211545	MDQ013	NEW MEXICO	34-15-30N	107- 1- 0W	SINGLE	OUTCROP	TERTIARY	- PLEISTOCENE
D211546	MDQ014	NEW MEXICO	34-17-30N	106-48-45W	SINGLE	PROSPECT PIT	PERMIAN	- PLEISTOCENE
D211547	MDQ015	NEW MEXICO	34-17-30N	106-48-45W	SINGLE	PROSPECT PIT	PERMIAN	- PLEISTOCENE
D211548	MDQ016	NEW MEXICO	34-14-40N	107- 0-15W	SINGLE	OUTCROP	TERTIARY	- PLEISTOCENE
D211549	MDQ017	NEW MEXICO	34-24-40N	106-40-50W	SINGLE	OUTCROP	TERTIARY	- PLEISTOCENE
D213609	MDQ151	NEW MEXICO	34- 9-50N	106-58-50W	COMPOSITE	DRILL CUTTINGS	PRECAMBRIAN	- HOLOCENE
D213610	MDQ152	NEW MEXICO	34-18-15N	107-25-15W	COMPOSITE	OPEN PIT MINE	TERTIARY	
D213611	MDQ153	NEW MEXICO	34-18-15N	107-25-15W	COMPOSITE	OPEN PIT MINE	TERTIARY	
D213612	MDQ154	NEW MEXICO	34-18-15N	107-25-15W	COMPOSITE	OPEN PIT MINE	TERTIARY	
D213613	MDQ155	NEW MEXICO	34-28-30N	106-24-20W	COMPOSITE	UNDERGROUND MINE	PERMIAN	
D213614	MDQ156	NEW MEXICO	34-28-30N	106-24-20W	COMPOSITE	UNDERGROUND MINE	PERMIAN	
D213615	MDQ157	NEW MEXICO	34-28-30N	106-24-20W	COMPOSITE	OPEN PIT MINE	PERMIAN	
D213616	MDQ158	NEW MEXICO	34-28-30N	106-24-20W	COMPOSITE	OPEN PIT MINE	PERMIAN	
D213617	MDQ159	NEW MEXICO	34-28-30N	106-24-20W	COMPOSITE	OPEN PIT MINE	PERMIAN	
D213618	MDQ160	NEW MEXICO	34-28-30N	106-24-20W	COMPOSITE	OPEN PIT MINE	PERMIAN	
D213619	MDQ161	NEW MEXICO	34-28-30N	106-24-20W	COMPOSITE	OPEN PIT MINE	PERMIAN	
D214896	MDQ144	NEW MEXICO	34- 5-55N	106-42- 0W	COMPOSITE	OPEN PIT MINE	PERMIAN	
D214897	MDQ145	NEW MEXICO	34- 5-55N	106-42- 0W	COMPOSITE	OPEN PIT MINE	PERMIAN	
D214898	MDQ146	NEW MEXICO	34-46-50N	107-15-40W	COMPOSITE	PROSPECT PIT	TRIASSIC	
D214899	MDQ147	NEW MEXICO	34- 9-20N	106-59- 0W	COMPOSITE	OUTCROP		

Sample ID	Submitter Name	Submittal Date		Sample Category	Sample Material
D214900	PIERSON CHARLES T	79- 7-17	***	SEDIMENTARY ROCK	LIMESTONE AND/OR DOLOMITE
D214901	PIERSON CHARLES T	79- 7-17	***	SEDIMENTARY ROCK	LIMESTONE AND/OR DOLOMITE
D214902	PIERSON CHARLES T	79- 7-17		METAMORPHIC ROCK	
M201960	PIERSON CHARLES T	78- 7-10		IGNEOUS ROCK	GRANITE PLUTON
M201961	PIERSON CHARLES T	78- 7-10		IGNEOUS ROCK	ANDESITE FLOW
M201962	PIERSON CHARLES T	78- 7-10		IGNEOUS ROCK	BASALT INTRUSIVE
M201963	PIERSON CHARLES T	78- 7-10		IGNEOUS ROCK	ANDESITE FLOW
M202031	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	WATER-LAID TUFF
M202032	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	CARBONATE DEPOSIT
M202033	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	SANDSTONE
M202034	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	SANDSTONE
M202035	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	WATER-LAID TUFF
M202036	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	SANDSTONE
M202037	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	WATER-LAID TUFF
M202038	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	WATER-LAID TUFF
M202039	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	SANDSTONE
M202040	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	WATER-LAID TUFF
M202041	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	CLAYSTONE
M202042	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	CLAYSTONE
M202043	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	SANDSTONE
M202044	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	SILTSTONE
M202045	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	CLAYSTONE
M202046	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	CLAYSTONE
M202047	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	CLAYSTONE
M202048	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	CLAYSTONE
M202049	PIERSON CHARLES	78- 7-14		SEDIMENTARY ROCK	CLAYSTONE

Sample ID	Formation Name	Comments
D214900	MADERA GP.	MINERALIZED LIMESTONE, OCC. #52
D214901	SAN ANDRES LS	REPLICATE SPLIT OF MDG144
D214902		REPLICATE SPLIT OF MDG147
m201960	UN-NAMED PRECAMBRIAN UNIT	GRANITE; OCC. #49
m201961	UN-NAMED TERTIARY ANDESITE	ANDESITE SAMPLE FROM FAULT ZONE, OCC. #38
m201962	UN-NAMED PRECAMBRIAN UNIT	SAMPLE FROM DIABASE(?) DIKE, OCC. #42
m201963	UN-NAMED TERTIARY ANDESITE	GRAB SAMPLE OF ANDESITE, OCC. #37
m202031	POPOTOSA FM.	TNM8-9C ALTERED FLUVIATILE ASH
m202032	POPOTOSA FM.	TNM8-9E TUFA
m202033	POPOTOSA FM.	TNM8-10A ASH SECTION IN TUFFACEOUS SANDSTONES
m202034	POPOTOSA FM.	TNM8-10C GRAY TUFFACEOUS SANDSTONE
m202035	POPOTOSA FM.	TNM8-11A BASAL ASH
m202036	POPOTOSA FM.	TNM8-11C TUFFACEOUS SANDSTONE
m202037	POPOTOSA FM.	TNM8-15C ALTERED RHYOLITIC TUFF ABOVE RHYOLITE INTRUSIVE
m202038	POPOTOSA FM.	TNM8-16H TUFF
m202039	POPOTOSA FM.	TNM8-16L SANDSTONE, GRAY, PUMICEOUS
m202040	POPOTOSA FM.	TNM8-17D CLAYSTONE AND TUFF CONTACT ZONE
m202041	POPOTOSA FM.	TNM8-19C CLAYSTONE, DARK PINKISH GRAY, HARD
m202042	POPOTOSA FM.	TNM8-20B CLAYSTONE, PINK
m202043	POPOTOSA FM.	TNM8-21D SANDSTONE, PUMICEOUS
m202044	POPOTOSA FM.	TNM8-21F SILTSTONE, PINKISH BROWN GRAY
m202045	POPOTOSA FM.	TNM8-21G CLAYSTONE, LIGHT YELLOW GRAY, SILTY
m202046	POPOTOSA FM.	TNM8-22G CLAYSTONE, RED-BROWN
m202047	POPOTOSA FM.	TNM8-24B CLAYSTONE, DARK RED-BROWN AND SILTSTONE, YELLOW
m202048	POPOTOSA FM.	TNM8-26A CLAYSTONE DARK RED AND SANDSTONE RED GRAY, FINELY LAMINATED
m202049	POPOTOSA FM.	TNM8-27E CLAYSTONE AND SILTSTONE, PINK

Sample ID	Field No.	Area	Latitude	Longitude	Sample Type	Sample Source	Geologic Age
D214900	MDU148	NEW MEXICO	34-14-40N	106-40-40W	COMPOSITE	OPEN PIT MINE	PERMIAN
D214901	MDU149	NEW MEXICO	34- 5-55N	106-42- 0W	COMPOSITE	OPEN PIT MINE	PERMIAN
D214902	MDU150	NEW MEXICO	34- 9-20N	106-59- 0W	COMPOSITE	OUTCROP	
W201960	MDU101	NEW MEXICO	34-17-30N	106-48-45W	SINGLE	OUTCROP	PRECAMBRIAN
W201961	MDU102	NEW MEXICO	34-15-25N	107- 1- 0W	COMPOSITE	OPEN PIT MINE	TERTIARY
W201962	MDU103	NEW MEXICO	34- 9-50N	106-58-50W	COMPOSITE	OUTCROP	TERTIARY
W201963	MDU104	NEW MEXICO	34-15-30N	107- 1- 0W	SINGLE	MINE DUMP	TERTIARY
W202031	MDU106	NEW MEXICO	34-12-55N	106-59- 6W	CHANNEL	OUTCROP	MIOCENE
W202032	MDU107	NEW MEXICO	34-12-55N	106-59- 6W	SINGLE	OUTCROP	MIOCENE
W202033	MDU108	NEW MEXICO	34-13-30N	106-59-10W	SINGLE	OUTCROP	MIOCENE
W202034	MDU109	NEW MEXICO	34-13-30N	106-59-10W	SINGLE	OUTCROP	MIOCENE
W202035	MDU110	NEW MEXICO	34-13-13N	106-59-37W	SINGLE	OUTCROP	MIOCENE
W202036	MDU111	NEW MEXICO	34-13-13N	106-59-37W	SINGLE	OUTCROP	MIOCENE
W202037	MDU112	NEW MEXICO	34- 0-17N	106-58-17W	CHANNEL	OUTCROP	MIOCENE
W202038	MDU113	NEW MEXICO	34-18-45N	107- 1-45W	SINGLE	OUTCROP	MIOCENE
W202039	MDU114	NEW MEXICO	34-18-45N	107- 1-45W	SINGLE	OUTCROP	MIOCENE
W202040	MDU115	NEW MEXICO	34-18-45N	107- 1-45W	SINGLE	OUTCROP	MIOCENE
W202041	MDU116	NEW MEXICO	34-18-45N	107- 1-45W	SINGLE	OUTCROP	MIOCENE
W202042	MDU117	NEW MEXICO	34-18-45N	107- 1-45W	SINGLE	OUTCROP	MIOCENE
W202043	MDU118	NEW MEXICO	34-18-45N	107- 1-45W	SINGLE	OUTCROP	MIOCENE
W202044	MDU119	NEW MEXICO	34-18-45N	107- 1-45W	SINGLE	OUTCROP	MIOCENE
W202045	MDU120	NEW MEXICO	34-18-45N	107- 1-45W	SINGLE	OUTCROP	MIOCENE
W202046	MDU121	NEW MEXICO	34-21-30N	107- 0-26W	SINGLE	OUTCROP	MIOCENE
W202047	MDU122	NEW MEXICO	34-16-23N	106-58-12W	SINGLE	OUTCROP	MIOCENE
W202048	MDU123	NEW MEXICO	34-17- 8N	106-58-12W	SINGLE	OUTCROP	MIOCENE
W202049	MDU124	NEW MEXICO	34-16- 0N	106-57-45W	SINGLE	OUTCROP	MIOCENE

Appendix B-1 - Chemical Analyses of Rock Samples, Socorro

B. Results of Spectrographic and Delayed Neutron Activation Analyses of Rock Samples.
Data compiled by Charles T. Pierson, Karen J. Wenrich-Verbeek, and V. J. Suits.

sample	LATITUDE	LONGITUD	U ppm	Th ppm	Al%-S	Ca%-S	Fe%-S	K%-S	Mg%-S	Na%-S
MDQ001	34 9 50	106 58 50	26.80	<7.60	4.50	>20.00	4.80	1.60	.36	1.00
MDQ002	34 9 50	106 58 50	2.32	7.32	6.80	4.20	14.00	1.60	.63	2.00
MDQ003	34 20 0	107 16 45	4.24	22.20	7.70	1.30	1.30	>5.00	.20	1.80
MDQ004	34 20 0	107 16 45	8.11	33.20	5.80	.42	.99	>5.00	<.10	.88
MDQ005	34 51 20	107 18 30	1.51	15.10	8.20	.40	3.60	.58	1.30	5.00
MDQ006	34 51 20	107 18 30	10.10	<3.90	.30	>20.00	5.80	.11	.30	<.15
MDQ007	34 51 20	107 18 30	4.89	11.10	2.80	>20.00	2.50	.09	.55	<.15
MDQ008	34 24 40	106 40 50	8.05	32.40	6.00	.87	.73	3.60	<.10	3.40
MDQ009	34 24 40	106 40 50	12.90	<4.20	<.25	2.00	<.05	<.08	<.10	<.15
MDQ010	34 25 10	106 25 10	3.56	9.15	4.10	8.80	1.70	.28	1.10	1.40
MDQ011	34 26 20	107 1 0	306.00	<96.00	7.70	.24	.94	4.10	.42	.36
MDQ012	34 26 20	107 1 0	21.30	<6.40	7.00	.17	.98	3.40	.14	.84
MDQ013	34 15 30	107 1 0	1.89	6.56	8.90	3.50	8.80	1.70	2.60	2.70
MDQ014	34 17 30	106 48 45	3.24	10.20	4.10	.89	>20.00	2.60	.20	.95
MDQ015	34 17 30	106 48 45	188.00	<61.00	1.10	.43	6.70	.89	<.10	<.15
MDQ016	34 14 40	107 0 15	7.22	26.40	6.20	.09	.94	>5.00	<.10	.82
MDQ017	34 24 40	106 40 50	8.34	30.20	6.20	.78	.80	3.60	<.10	3.00
MDQ101	34 17 30	106 48 45	8.94	38.90	7.40	1.70	.94	4.50	<.10	2.40
MDQ102	34 15 25	107 1 0	3.78	<3.60	7.20	8.20	5.80	5.60	2.70	.82
MDQ103	35 9 50	106 58 50	<33.00	1,950.00	6.00	3.00	16.00	.93	2.40	1.20
MDQ104	34 15 30	107 1 0	66.60	<16.00	3.70	24.00	3.20	3.20	1.60	.76
MDQ106	34 12 55	106 59 6	6.08	19.10	6.50	.81	1.10	.69	1.10	1.80
MDQ107	34 12 55	106 59 6	11.70	14.00	4.70	.75	.57	.76	.24	1.90
MDQ108	34 13 30	106 59 10	3.79	7.90	6.90	2.50	1.70	1.50	.76	1.70
MDQ109	34 13 30	106 59 10	5.43	<4.20	6.70	1.90	1.90	.69	.48	2.20
MDQ110	34 13 13	106 59 37	4.84	12.50	6.40	.94	1.70	.95	1.80	1.60
MDQ111	34 13 13	106 59 37	2.52	14.80	6.70	3.30	.97	2.00	1.20	1.90
MDQ112	34 0 17	106 58 17	1.54	27.90	5.40	.91	.57	.51	1.10	.44
MDQ113	34 18 45	107 1 45	5.90	16.10	7.40	1.60	3.00	1.50	1.80	2.30
MDQ114	34 18 45	107 1 45	4.85	13.80	6.00	1.20	2.40	1.50	1.20	2.70
MDQ115	34 18 45	107 1 45	11.50	14.30	6.90	1.50	3.20	1.80	1.70	2.20
MDQ116	34 18 45	107 1 45	8.49	18.40	7.40	.93	2.80	2.30	2.40	1.30
MDQ117	34 18 45	107 1 45	4.23	15.10	6.70	1.10	2.60	2.00	2.50	2.20
MDQ118	34 18 45	107 1 45	1.41	8.05	5.90	.42	1.00	.41	3.00	1.70
MDQ119	34 18 45	107 1 45	3.13	9.28	7.90	3.80	5.80	2.50	2.50	2.40
MDQ120	34 18 45	107 1 45	2.44	5.30	7.40	1.10	2.90	.74	2.40	2.00
MDQ121	34 21 30	107 0 26	4.45	11.10	7.30	2.30	2.60	2.50	.90	1.70
MDQ122	34 16 23	106 58 12	3.15	11.70	6.60	1.90	3.50	2.10	1.40	1.70
MDQ123	34 17 8	106 58 12	7.02	7.40	5.80	1.20	2.30	1.60	.69	1.60
MDQ124	34 16 0	106 57 45	4.71	18.90	6.60	.88	3.00	2.10	1.00	1.20
MDQ125	34 13 45	106 40 45	581.00	<160.00	.85	6.20	>20.00	.51	<.20	<.30
MDQ126	34 6 40	106 48 50	3,000.00	<770.00	.36	>20.00	.08	.26	.20	<.15
MDQ127	34 5 55	106 42 0	66.60	<13.00	.91	13.00	<.05	.35	.23	<.15
MDQ128	34 23 0	107 57 5	20.80	<5.30	3.20	.26	>20.00	1.20	.34	<.30
MDQ129	34 23 0	107 57 5	18.40	<6.00	6.30	.35	3.70	2.50	.77	1.40

Appendix B-1 - Chemical Analyses of Rock Samples, Socorro--continued

sample	LATITUDE	LONGITUD	U ppm	Th ppm	Al%-S	Ca%-S	Fe%-S	K%-S	Mg%-S	Na%-S
MDQ130	34 18 50	107 15 0	38.90	<9.00	5.70	1.00	2.10	2.30	1.60	.61
MDQ131	34 18 50	107 15 0	102.00	<18.00	6.10	.54	1.70	2.80	1.00	.73
MDQ132	34 23 20	107 55 40	541.00	<150.00	4.10	.24	>20.00	1.50	.48	.34
MDQ133	34 26 20	107 1 0	462.00	<130.00	6.30	.20	1.50	2.10	.17	2.00
MDQ134	34 26 20	107 1 0	4,000.00	<1,300.00	6.40	3.00	1.70	2.60	2.20	<.15
MDQ135	34 26 20	107 1 0	3,080.00	<1,000.00	7.50	.36	3.40	3.70	.75	.17
MDQ136	34 26 20	107 1 0	521.00	<150.00	8.00	.34	1.50	4.10	.85	<.15
MDQ137	34 26 20	107 1 0	78.50	<15.00	7.20	.28	1.60	4.40	.41	.95
MDQ138	34 18 45	107 2 0	3.93	5.10	9.70	6.00	4.60	2.80	2.00	3.90
MDQ139	34 20 40	106 59 20	9.71	37.40	5.40	.15	1.30	.10	.97	1.90
MDQ140	34 20 40	106 59 20	4.83	18.40	6.90	1.90	2.50	1.80	1.60	2.30
MDQ142	34 26 20	107 1 0	2,960.00	<990.00	7.40	.38	3.70	3.50	.71	.24
MDQ143	34 20 40	106 59 20	9.47	37.50	6.10	.24	1.40	.09	1.00	2.00
MDQ144	34 5 55	106 42 0	16,300.00	<6,900.00	.45	2.30	<.05	.27	<.10	<.15
MDQ145	34 5 55	106 42 0	155.00	<41.00	.46	7.50	.16	.18	<.10	<.15
MDQ146	34 46 50	107 15 40	241.00	<130.00	1.60	8.00	.90	.48	.37	<.15
MDQ147	34 9 20	106 59 0	32.70	83.00	1.90	6.90	5.30	.11	.73	<.15
MDQ148	34 14 40	106 40 40	33.70	<17.00	.91	.83	<.05	.16	<.10	<.15
MDQ149	34 5 55	106 42 0	--	--	.37	2.00	<.05	.25	<.10	<.15
MDQ150	34 9 20	106 59 0	31.00	181.00	1.80	6.90	5.10	.12	.71	<.15
MDQ151	35 9 50	106 58 50	394.00	<150.00	6.60	3.70	11.00	1.30	1.20	2.00
MDQ152	34 18 15	107 25 15	289.00	<120.00	5.00	.89	1.80	2.70	.27	<.15
MDQ153	34 16 15	107 25 15	150.00	<35.00	4.10	2.00	3.30	1.90	.35	<.15
MDQ154	34 18 15	107 25 15	884.00	<300.00	5.70	.26	1.90	3.00	.28	<.15
MDQ155	34 28 30	106 24 20	23.20	<9.20	7.10	2.30	1.30	1.30	1.80	2.00
MDQ156	34 28 30	106 24 20	39.20	<12.00	6.50	1.90	.90	.95	.96	2.90
MDQ157	34 28 30	106 24 20	9.92	25.10	1.80	>20.00	.18	.26	2.00	1.20
MDQ158	34 28 30	106 24 20	827.00	<180.00	3.10	15.00	.72	.18	.71	1.40
MDQ159	34 28 30	106 24 20	418.00	<170.00	4.40	1.30	1.40	.21	.87	2.40
MDQ160	34 28 30	106 24 20	656.00	<230.00	3.20	11.00	.65	.22	.92	.99
MDQ161	34 28 30	106 24 20	755.00	<270.00	7.40	.74	1.40	.88	1.10	3.30

Appendix B-1 - Chemical Analyses of Rock Samples, Socorro

sample	P%-S	Si%-S	Ti%-S	Ag ppm-S	As ppm-S	Au ppm-S	B ppm-S	Ba ppm-S	Be ppm-S	Bi ppm-S
MDQ001	<.02	11	.26	<1.0	<200	<10	<10	630	6.6	<10
MDQ002	.33	27	1.00	<1.0	<200	<10	49	510	3.6	<10
MDQ003	.04	33	.19	<1.0	<200	<10	<10	1,000	2.5	<10
MDQ004	.05	37	.15	<1.0	<200	<10	<10	180	3.4	<10
MDQ005	.07	27	.41	<1.0	<200	<10	<10	280	2.8	<10
MDQ006	>.45	<10	<.03	<1.0	<200	<10	<10	35	<1.0	<10
MDQ007	<.02	<10	.12	<1.0	<200	<10	<10	23	<1.0	<10
MDQ008	<.02	34	.09	<1.0	<200	<10	<10	26	6.0	<10
MDQ009	<.02	>40	<.03	<1.0	<200	<10	97	24	1.2	<10
MDQ010	<.02	27	.30	<1.0	<200	<10	20	64	1.8	<10
MDQ011	.09	35	.12	<1.0	<200	<10	<10	600	3.6	<10
MDQ012	.12	36	.29	<1.0	<200	<10	<10	1,800	2.3	<10
MDQ013	.44	24	.94	<1.0	<200	<10	17	850	2.3	<10
MDQ014	.44	11	.16	<1.0	<200	<10	OH	57	4.9	<10
MDQ015	.04	>40	.03	<1.0	<200	<10	37	2,700	8.6	<10
MDQ016	.02	32	.11	<1.0	<200	<10	<10	53	3.9	<10
MDQ017	.02	32	.09	<1.0	<200	<10	<10	31	6.1	<10
MDQ101	.10	37	.17	<1.0	<200	<10	<10	1,800	5.9	<10
MDQ102	.24	20	1.00	1.2	<200	<10	<10	700	1.5	<10
MDQ103	.60	24	1.40	<2.0	<200	<20	48	190	9.6	<20
MDQ104	.07	12	.30	11.0	<200	<10	<10	500	2.4	<10
MDQ106	.05	34	.16	<1.0	<200	<10	<10	840	3.7	<10
MDQ107	.06	40	.10	<1.0	<200	<10	<10	2,400	5.2	<10
MDQ108	.09	30	.23	<1.0	<200	<10	<10	850	2.0	<10
MDQ109	.10	35	.20	<1.0	<200	<10	<10	2,000	2.0	<10
MDQ110	.06	30	.18	<1.0	<200	<10	<10	950	3.2	<10
MDQ111	.05	30	.14	<1.0	<200	<10	<10	1,400	3.5	<10
MDQ112	.03	34	.11	<1.0	<200	<10	<10	370	2.9	<10
MDQ113	.12	32	.32	<1.0	<200	<10	19	780	4.6	<10
MDQ114	.09	32	.25	<1.0	<200	<10	11	880	3.4	<10
MDQ115	.13	31	.31	<1.0	<200	<10	23	800	4.1	<10
MDQ116	.08	29	.27	<1.0	<200	<10	43	450	4.3	<10
MDQ117	.11	27	.31	<1.0	<200	<10	<10	1,600	2.7	<10
MDQ118	.04	27	.21	<1.0	<200	<10	<10	130	2.6	<10
MDQ119	.28	29	.64	<1.0	<200	<10	48	760	2.5	<10
MDQ120	.26	26	.48	<1.0	<200	<10	<10	1,300	1.8	<10
MDQ121	.17	24	.41	<1.0	<200	<10	76	460	2.5	<10
MDQ122	.13	27	.35	<1.0	<200	<10	64	590	2.5	<10
MDQ123	.13	30	.36	<1.0	<200	<10	55	450	3.5	<10
MDQ124	.13	28	.33	<1.0	<200	<10	37	710	4.0	<10
MDQ125	<.04	<10	<.06	<2.0	5,000	<20	66	<40	4.2	<20
MDQ126	<.02	<10	<.03	<1.0	<200	<10	<10	64	<1.0	<10
MDQ127	<.02	37	.03	<1.0	<200	<10	<10	22	1.1	<10
MDQ128	<.04	19	.18	<2.0	<200	<20	86	430	14.0	<20
MDQ129	<.02	38	.26	<1.0	<200	<10	21	760	2.1	<10

Appendix B-1 - Chemical Analyses Rock Samples, Socorro--continued

sample	P%-S	Si%-S	Ti%-S	Ag ppm-S	As ppm-S	Au ppm-S	B ppm-S	Ba ppm-S	Be ppm-S	Bi ppm-S
MDQ130	<.02	35	.24	<1.0	<200	<10	17	1,300	2.9	<10
MDQ131	.03	>40	.22	<1.0	<200	<10	23	580	2.6	<10
MDQ132	<.04	17	.16	<2.0	<200	<20	66	830	16.0	<20
MDQ133	.02	>40	.20	<1.0	<200	<10	<10	880	3.1	<10
MDQ134	.07	29	.27	<1.0	<200	<10	23	1,200	7.5	<10
MDQ135	.12	33	.44	<1.0	<200	<10	55	240	4.7	<10
MDQ136	.06	34	.39	<1.0	<200	<10	39	150	6.3	<10
MDQ137	.04	36	.11	<1.0	<200	<10	<10	670	3.7	<10
MDQ138	.16	27	.79	<1.0	<200	<10	<10	1,600	2.2	<10
MDQ139	<.02	38	.13	<1.0	<200	<10	<10	36	3.5	<10
MDQ140	.03	38	.30	<1.0	<200	<10	61	670	4.0	<10
MDQ142	.29	31	.41	<1.0	<200	<10	66	450	4.7	<10
MDQ143	<.02	37	.15	<1.0	<200	<10	15	81	3.6	<10
MDQ144	<.02	>40	<.03	2.7	<200	0 H	<10	150	1.9	<10
MDQ145	<.02	>40	<.03	<1.0	<200	<10	<10	62	<1.0	<10
MDQ146	.03	>40	.09	1.5	<200	<10	<10	510	1.2	<10
MDQ147	1.30	>40	.28	1.6	<200	<10	<10	70	5.1	<10
MDQ148	<.02	>40	.03	1.3	<200	<10	<10	880	2.6	<10
MDQ149	<.02	>40	<.03	2.5	<200	0 H	<10	160	1.6	<10
MDQ150	1.60	36	.28	1.6	<200	<10	<10	70	4.3	<10
MDQ151	.28	24	.64	<1.0	<200	<10	28	900	48.0	<10
MDQ152	.07	37	.13	<1.0	<200	<10	<10	1,900	2.3	<10
MDQ153	.06	37	.15	<1.0	<200	<10	<10	1,400	1.7	<10
MDQ154	.05	34	.12	<1.0	<200	<10	<10	2,400	3.8	<10
MDQ155	.05	30	.44	<1.0	<200	<10	17	310	3.0	<10
MDQ156	.06	32	.41	2.1	<200	<10	<10	260	2.6	<10
MDQ157	<.02	<10	.06	<1.0	<200	<10	<10	170	<1.0	<10
MDQ158	.02	15	.13	<1.0	<200	<10	<10	120	1.1	<10
MDQ159	.07	25	.21	16.0	<200	<10	<10	320	2.6	<10
MDQ160	.10	14	.11	9.9	<200	<10	<10	150	3.7	<10
MDQ161	.16	26	.43	4.1	<200	<10	14	>5,000	4.4	17

Appendix B-1 - Chemical Analyses of Rock Samples, Socorro

sample	Cd ppm-S	Ce ppm-S	Co ppm-S	Cr ppm-S	Cu ppm-S	Ga ppm-S	Hg ppm-S	La ppm-S	Li ppm-S	Mn ppm-S
MDQ001	<2.0	0 #	13.0	21	8.70	14	<500	96	0 #	1,900
MDQ002	<2.0	160	17.0	<10	23.00	32	<500	59	<50	3,000
MDQ003	<2.0	<100	2.2	<10	7.30	15	<500	50	<50	450
MDQ004	<2.0	140	<1.0	<10	9.90	18	<500	62	<50	220
MDQ005	<2.0	<100	3.1	56	4.70	19	<500	39	<50	230
MDQ006	<2.0	0#	12.0	12	1,800.00	14	<500	270	<50	2,200
MDQ007	<2.0	0 #	10.0	22	230.00	<10	<500	110	<50	2,500
MDQ008	<2.0	<100	<1.0	<10	3.20	20	<500	<20	<50	590
MDQ009	<2.0	<100	<1.0	38	3.10	<10	<500	<20	<50	<200
MDQ010	<2.0	<100	9.5	34	8.30	<10	<500	55	<50	1,300
MDQ011	<2.0	<100	17.0	<10	19.00	17	<500	23	<50	<200
MDQ012	<2.0	<100	<1.0	22	47.00	12	<500	24	<50	<200
MDQ013	<2.0	<100	39.0	240	28.00	26	<500	33	65	550
MDQ014	<2.0	<100	9.4	100	22.00	17	<500	29	<50	310
MDQ015	<2.0	<100	4.3	12	19.00	<10	<500	<20	68	200
MDQ016	<2.0	<100	<1.0	<10	9.80	20	<500	<20	<50	290
MDQ017	<2.0	<100	<1.0	12	3.10	21	<500	<20	<50	570
MDQ101	<2.0	<100	<1.0	<10	6.00	20	<500	87	<50	<200
MDQ102	<2.0	<100	21.0	42	930.00	18	<500	56	<50	1,600
MDQ103	<4.0	<200	28.0	<20	34.00	26	<500	<40	<100	1,200
MDQ104	<2.0	<200	13.0	96	3,400.00	10	<500	<40	<100	2,700
MDQ106	<2.0	<100	3.7	<10	15.00	19	<500	55	55	1,500
MDQ107	<2.0	<100	4.3	<10	39.00	<10	<500	49	<50	6,000
MDQ108	<2.0	<100	4.5	14	11.00	12	<500	41	<50	740
MDQ109	<2.0	<100	6.1	15	3.60	12	<500	39	<50	240
MDQ110	<2.0	<100	6.7	13	72.00	20	<500	34	510	<200
MDQ111	<2.0	<100	4.9	20	7.80	15	<500	21	220	450
MDQ112	<2.0	<100	<1.0	<10	5.20	12	<500	39	52	<200
MDQ113	<2.0	<100	10.0	91	35.00	17	<500	33	620	330
MDQ114	<2.0	<100	7.1	55	14.00	13	<500	33	600	250
MDQ115	<2.0	<100	11.0	70	680.00	16	<500	36	270	340
MDQ116	<2.0	<100	7.9	25	30.00	18	<500	41	360	280
MDQ117	<2.0	<100	15.0	57	33.00	17	<500	26	250	380
MDQ118	<2.0	<100	11.0	<10	56.00	12	<500	<20	690	270
MDQ119	<2.0	<100	23.0	210	39.00	<10	<500	46	130	780
MDQ120	<2.0	<100	11.0	23	92.00	16	<500	30	370	270
MDQ121	<2.0	<100	15.0	42	46.00	16	<500	43	72	270
MDQ122	<2.0	<100	9.4	46	20.00	15	<500	37	130	370
MDQ123	<2.0	160	8.7	47	66.00	14	<500	99	110	<200
MDQ124	<2.0	<100	11.0	38	31.00	17	<500	53	95	250
MDQ125	230.0	<200	12.0	22	84.00	34	<1,000	<40	<100	600
MDQ126	<2.0	0#	22.0	14	5.80	<10	<500	81	0 #	470
MDQ127	<2.0	<100	9.2	16	9.60	<10	<500	21	<50	320
MDQ128	<4.0	<100	10.0	24	20.00	28	<1,000	<40	<100	1,200
MDQ129	<2.0	<100	11.0	19	7.90	15	<500	28	<50	520

Appendix B-1 - Chemical Analyses of Rock Samples, Socorro--continued

sample	Cd ppm-S	Ce ppm-S	Co ppm-S	Cr ppm-S	Cu ppm-S	Ga ppm-S	Hg ppm-S	La ppm-S	Li ppm-S	Mn ppm-S
MDQ130	<2.0	<100	12.0	36	24.00	14	<500	40	<50	280
MDQ131	<2.0	<100	9.7	37	13.00	14	<500	27	<50	<200
MDQ132	<4.0	<200	17.0	26	26.00	34	<1,000	<40	<100	1,600
MDQ133	<2.0	<100	13.0	14	25.00	11	<500	<20	<50	<200
MDQ134	3.2	<100	230.0	56	2,000.00	19	<500	46	<50	>5,000
MDQ135	<2.0	140	27.0	71	1,600.00	23	<500	60	<50	620
MDQ136	4.1	<100	19.0	68	1,400.00	18	<500	38	<50	620
MDQ137	4.9	<100	19.0	21	530.00	17	<500	27	<50	1,300
MDQ138	<2.0	190	63.0	52	190.00	26	<500	87	510	>5,000
MDQ139	<2.0	230	1.3	<10	3.70	19	<500	130	<50	<200
MDQ140	<2.0	150	6.9	40	9.60	18	<500	71	200	370
MDQ142	<2.0	110	28.0	66	2,000.00	22	<500	54	<50	710
MDQ143	<2.0	210	<1.0	<10	4.10	21	<500	120	<50	<200
MDQ144	<2.0	0 H	[illegible]	<10	8.90	14	<500	27	<50	<200
MDQ145	<2.0	<100	2.3	<10	4.20	<10	<500	<2[illegible]	<50	<200
MDQ146	<2.0	<100	16.0	23	8.50	<10	<500	27	<50	800
MDQ147	<2.0	780	14.0	11	49.00	13	<500	550	120	2,400
MDQ148	<2.0	<100	<1.0	14	2.50	<10	<500	<20	190	<200
MDQ149	<2.0	0 H	24.0	<10	7.40	12	<500	25	<50	<200
MDQ150	<2.0	930	13.0	11	38.00	12	<500	530	96	2,500
MDQ151	<2.0	0 H	23.0	37	35.00	25	<500	38	<50	1,700
MDQ152	<2.0	<100	21.0	16	7.60	14	<500	<20	<50	<200
MDQ153	<2.0	<100	6.5	20	3.70	11	<500	<20	<50	350
MDQ154	<2.0	<100	.0 H	0 H	.0 H	0 H	<500	22	<50	300
MDQ155	<2.0	<100	15.0	63	720.00	18	<500	27	58	490
MDQ156	<2.0	<100	34.0	52	3,400.00	18	<500	22	<50	630
MDQ157	<2.0	0 H	7.4	18	6.60	<10	<500	96	<50	3,200
MDQ158	<2.0	160	7.3	20	7,700.00	<10	<500	88	<50	3,000
MDQ159	<2.0	600	920.0	40	>20,000.00	14	<500	250	<50	>5,000
MDQ160	<2.0	520	240.0	20	>20,000.00	<10	<500	160	<50	2,000
MDQ161	<2.0	130	20.0	63	>20,000.00	31	<500	29	<50	260

Appendix B-1 - Chemical Analyses of Rock Samples, Socorro

sample	Mo ppm-S	Nb ppm-S	Ni ppm-S	Pb ppm-S	Re ppm-S	Sb ppm-S	Sc ppm-S	Se ppm-S	Sn ppm-S
MDQ001	<10	<25	15.0	15	<50	<100	21	<200	<10
MDQ002	<10	<25	10.0	<10	<50	<100	57	<200	<10
MDQ003	<10	<25	3.5	<10	<50	<100	<10	<200	<10
MDQ004	<10	<25	5.5	10	<50	<100	<10	<200	<10
MDQ005	<10	<25	31.0	<10	<50	<100	15	<200	<10
MDQ006	<10	<25	18.0	<10	<50	<100	<10	<200	<10
MDQ007	<10	<25	17.0	430	<50	<100	12	<200	<10
MDQ008	<10	<25	3.7	<10	<50	<100	<10	<200	<10
MDQ009	<10	<25	2.8	<10	<50	<100	<10	<200	<10
MDQ010	<10	<25	18.0	<10	<50	<100	<10	<200	<10
MDQ011	<10	<25	27.0	<10	<50	<100	<10	<200	<10
MDQ012	<10	<25	8.1	<10	<50	<100	<10	<200	<10
MDQ013	<10	<25	120.0	<10	<50	<100	25	<200	<10
MDQ014	<10	<25	35.0	31	<50	<100	16	<200	0
MDQ015	12	<25	16.0	540	<50	<100	<10	<200	<10
MDQ016	<10	<25	7.4	<10	<50	<100	<10	<200	<10
MDQ017	<10	<25	4.0	<10	<50	<100	<10	<200	<10
MDQ101	<10	<25	7.1	1,900	<50	<100	<10	<200	<10
MDQ102	<10	<25	39.0	<10	<50	<100	21	<200	<10
MDQ103	<20	<50	24.0	55	<50	<100	44	<200	<20
MDQ104	<10	<50	38.0	<10	<50	<100	<20	<200	<10
MDQ106	<10	35	7.2	<10	<50	<100	<10	<200	<10
MDQ107	<10	39	6.8	<10	<50	<100	<10	<200	<10
MDQ108	<10	<25	10.0	<10	<50	<100	<10	<200	<10
MDQ109	<10	<25	9.5	12	<50	<100	<10	<200	<10
MDQ110	<10	<25	17.0	11	<50	<100	<10	<200	<10
MDQ111	<10	<25	16.0	<10	<50	<100	<10	<200	<10
MDQ112	<10	<25	2.7	<10	<50	<100	<10	<200	<10
MDQ113	<10	<25	36.0	25	<50	<100	<10	<200	<10
MDQ114	<10	<25	29.0	<10	<50	<100	<10	<200	<10
MDQ115	<10	<25	42.0	20	<50	<100	11	<200	<10
MDQ116	<10	<25	31.0	24	<50	<100	<10	<200	<10
MDQ117	<10	<25	54.0	14	<50	<100	<10	<200	<10
MDQ118	<10	<25	54.0	<10	<50	<100	<10	<200	<10
MDQ119	<10	<25	72.0	15	<50	<100	19	<200	<10
MDQ120	<10	<25	24.0	<10	<50	<100	15	<200	<10
MDQ121	<10	<25	38.0	12	<50	<100	12	<200	<10
MDQ122	<10	<25	29.0	<10	<50	<100	<10	<200	<10
MDQ123	<10	<25	26.0	36	<50	<100	<10	<200	<10
MDQ124	<10	<25	36.0	26	<50	<100	<10	<200	<10
MDQ125	300	<50	18.0	15,000	<100	<200	<20	<400	38
MDQ126	<10	<25	15.0	210	<50	<100	<10	<200	<10
MDQ127	<10	<25	13.0	80	<50	<100	<10	<200	<10
MDQ128	<20	<50	16.0	44	<100	<200	<20	<400	56
MDQ129	<10	<25	14.0	<10	<50	<100	<10	<200	<10

Appendix B-1 - Chemical Analyses Rock Samples, Socorro--continued

sample	Mo ppm-S	Nb ppm-S	Ni ppm-S	Pb ppm-S	Re ppm-S	Sb ppm-S	Sc ppm-S	Se ppm-S	Sn ppm-S
MDQ130	70	<25	30.0	<10	<50	<100	<10	<200	<10
MDQ131	35	<25	17.0	17	<50	<100	<10	<200	<10
MDQ132	<20	<25	22.0	22	<100	<200	<20	<400	70
MDQ133	<10	<25	17.0	<10	<50	<100	<10	<200	<10
MDQ134	20	<25	300.0	0 H	<50	<100	21	<200	22
MDQ135	22	<25	40.0	140	<50	<100	19	<200	23
MDQ136	82	<25	32.0	54	<50	<100	13	<200	<10
MDQ137	<10	<25	27.0	<10	<50	<100	<10	<200	<10
MDQ138	<10	<25	52.0	<10	<50	<100	18	<200	20
MDQ139	<10	29	6.9	16	<50	<100	<10	<200	<10
MDQ140	<10	<25	19.0	<10	<50	<100	<10	<200	<10
MDQ142	24	<25	41.0	130	<50	<100	20	<200	19
MDQ143	<10	<25	8.3	<10	<50	<100	<10	<200	<10
MDQ144	<10	31	16.0	0 H	<50	<100	<10	<200	0 H
MDQ145	<10	<25	7.6	54	<50	<100	<10	<200	<10
MDQ146	44	<25	15.0	43	<50	<100	<10	<200	<10
MDQ147	<10	260	20.0	110	<50	<100	24	<200	<10
MDQ148	<10	<25	3.7	<10	<50	<100	<10	<200	<10
MDQ149	<10	25	15.0	0 H	<50	<100	<10	<200	0 H
MDQ150	<10	230	20.0	120	<50	<100	22	<200	<10
MDQ151	<10	<25	.0 H	61	<50	<100	42	<200	<10
MDQ152	180	<25	.0 H	27	<50	<100	<10	<200	<10
MDQ153	13	<25	8.5	<10	<50	<100	<10	<200	<10
MDQ154	0 H	0 H	.0 H	<10	<50	<100	<10	<200	0 H
MDQ155	<10	<25	31.0	<10	<50	<100	12	<200	<10
MDQ156	<10	<25	23.0	<10	<50	<100	<10	<200	<10
MDQ157	<10	<25	13.0	<10	<50	<100	<10	<200	<10
MDQ158	<10	<25	12.0	<10	<50	<100	<10	<200	<10
MDQ159	12	<25	360.0	<10	<50	<100	18	<200	<10
MDQ160	<10	<25	460.0	200	<50	<100	14	<200	<10
MDQ161	<10	<25	48.0	38	<50	<100	19	<200	<10

Appendix B-1 - Chemical Analyses of Rock Samples, Socorro

sample	Sr ppm-S	Te ppm-S	Tl ppm-S	V ppm-S	W ppm-S	Y ppm-S	Zn ppm-S	Zr ppm-S
MDQ001	220	<50	<10	43	<100	88	0 H	370
MDQ002	180	<50	<10	13	<100	92	220	360
MDQ003	150	<50	<10	45	<100	19	<50	120
MDQ004	35	<50	<10	20	<100	64	<50	500
MDQ005	270	<50	<10	51	<100	29	<50	160
MDQ006	310	<50	11	57	<100	83	120	22
MDQ007	600	<50	<10	36	<100	66	<50	170
MDQ008	89	<50	<10	11	<100	66	<50	410
MDQ009	17	<50	<10	<10	<100	<10	<50	<20
MDQ010	180	<50	<10	37	<100	55	<50	360
MDQ011	55	<50	<10	24	<100	44	74	110
MDQ012	700	<50	<10	98	<100	26	<50	91
MDQ013	810	<50	<10	280	<100	34	120	280
MDQ014	46	<50	<10	77	<100	40	<50	140
MDQ015	190	<50	<10	<10	<100	45	250	<20
MDQ016	15	<50	<10	14	<100	68	<50	350
MDQ017	91	<50	<10	12	<100	73	56	400
MDQ101	75	<50	<10	<10	<100	75	150	320
MDQ102	270	<50	<10	160	<100	37	62	380
MDQ103	84	<50	<10	72	<200	170	170	1,200
MDQ104	410	<50	<10	120	<200	26	<100	160
MDQ106	280	<50	<10	1[illegible]	<100	32	<50	450
MDQ107	710	<50	<10	45	<100	35	<50	380
MDQ108	840	<50	<10	41	<100	25	<50	310
MDQ109	1,500	<50	<10	50	<100	23	<50	300
MDQ110	400	<50	<10	62	<100	25	<50	410
MDQ111	640	<50	<10	16	<100	24	<50	160
MDQ112	660	<50	<10	<10	<100	13	<50	260
MDQ113	1,200	<50	<10	57	<100	36	<50	270
MDQ114	1,300	<50	<10	47	<100	28	<50	220
MDQ115	1,200	<50	<10	94	<100	62	<50	280
MDQ116	490	<50	<10	150	<100	35	78	320
MDQ117	610	<50	<10	66	<100	40	52	290
MDQ118	230	<50	<10	94	<100	<10	52	420
MDQ119	690	<50	<10	130	<100	32	73	360
MDQ120	860	<50	<10	57	<100	33	73	360
MDQ121	390	<50	<10	65	<100	29	<50	360
MDQ122	370	<50	<10	56	<100	26	<50	320
MDQ123	660	<50	<10	54	<100	54	70	320
MDQ124	880	<50	<10	45	<100	36	67	490
MDQ125	680	<100	38	290	<200	22	2,000	<40
MDQ126	360	<50	<10	34	<100	17	<50	91
MDQ127	90	<50	<10	580	<100	10	240	<20
MDQ128	96	<100	<20	180	<200	50	<100	58
MDQ129	120	<50	<10	350	<100	24	<50	160

sample	Sr ppm-S	Te ppm-S	Tl ppm-S	V ppm-S	W ppm-S	Y ppm-S	Zn ppm-S	Zr ppm-S
MDQ130	270	<50	<10	110	<100	28	56	170
MDQ131	290	<50	<10	70	<100	23	<50	130
MDQ132	140	<100	<20	4,200	<200	64	<100	64
MDQ133	96	<50	<10	46	<100	31	52	41
MDQ134	210	<50	<10	69	<100	84	500	210
MDQ135	310	<50	<10	110	<100	44	83	250
MDQ136	270	<50	<10	100	<100	58	100	190
MDQ137	57	<50	<10	26	<100	47	230	66
MDQ138	1,500	<50	<10	210	<100	45	<50	370
MDQ139	65	<50	<10	<10	<100	110	75	420
MDQ140	520	<50	<10	55	<100	55	<50	330
MDQ142	270	<50	<10	100	<100	44	79	300
MDQ143	100	<50	<10	<10	<100	86	<50	600
MDQ144	16	<50	0 H	3,600	0 H	23	300	90
MDQ145	37	<50	<10	530	<100	<10	<50	<20
MDQ146	60	<50	<10	370	100	24	<50	116
MDQ147	430	<50	<10	52	<100	170	320	1,200
MDQ148	130	<50	<10	53	<100	<10	<50	<20
MDQ149	<10	<50	0 H	4,400	0 H	21	290	76
MDQ150	440	<50	<10	49	<100	160	320	1,400
MDQ151	210	<50	<10	63	<100	340	170	>1,000
MDQ152	160	<50	<10	3,900	<100	21	<50	74
MDQ153	150	<50	<10	460	<100	16	<50	89
MDQ154	130	<50	<10	>10,000	0 H	12	<50	0 H
MDQ155	150	<50	<10	91	<100	33	54	380
MDQ156	160	<50	<10	110	<100	33	<50	450
MDQ157	670	<50	<10	80	<100	66	<50	300
MDQ158	220	<50	<10	170	<100	550	<50	400
MDQ159	250	<50	<10	570	<100	1,400	130	500
MDQ160	300	<50	<10	1,300	<100	1,100	180	330
MDQ161	250	<50	<10	390	<100	1,900	55	630

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro

Data compiled by Karen J. Wenrich-Verbeek and Jeffrey J. Irvin.
Samples collected by J.R. McDonnel, K.A. Geer, M.A. Roshardt, M.R. Stanton, R.L. Reed, J.M. Core, R.J. Noah, C.L. Barker, H.C. Day. Analyses by Geoco, Inc., Wheatridge, Col.

sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR001	34 6 40	107 15 25	10	6,540	2	1	6	6	7	6	1	37
MDR002	34 5 1	107 16 32	10	6,760	2	1	6	6	5	6	1	37
MDR003	34 4 5	107 17 28	10	6,840	3	1	8	6	8	6	1	37
MDR004	34 3 12	107 17 36	10	6,960	3	1	6	6	5	6	1	37
MDR005	34 3 18	107 16 21	10	7,010	4	1	6	6	5	6	1	37
MDR006	34 2 51	107 18 19	10	6,930	3	1	8	6	8	6	1	37
MDR007	34 0 55	107 17 34	10	7,140	3	1	6	6	6	6	1	37
MDR008	34 4 12	107 19 39	10	6,760	3	1	6	6	7	6	1	37
MDR009	34 4 44	107 18 58	10	6,760	2	1	6	6	7	6	1	37
MDR010	34 6 25	107 17 12	10	6,600	2	1	6	6	6	6	1	37
MDR011	34 6 7	107 18 40	10	6,660	3	1	6	6	6	6	1	37
MDR012	34 5 36	107 20 28	10	6,800	3	1	6	6	6	6	1	37
MDR013	34 5 2	107 20 30	10	6,800	2	1	6	6	6	6	1	37
MDR014	34 5 2	107 20 17	10	6,780	2	1	8	6	8	6	1	37
MDR015	34 9 9	107 17 19	10	6,520	2	1	6	6	6	6	1	37
MDR016	34 9 57	107 17 0	10	6,480	3	1	6	6	6	6	1	37
MDR017	34 9 37	107 18 43	10	6,600	2	1	6	6	7	6	1	37
MDR018	34 11 33	107 19 36	10	6,760	2	1	6	6	5	6	1	37
MDR019	34 8 56	107 15 22	10	6,330	2	1	6	6	6	6	1	37
MDR020	34 10 39	107 15 29	10	6,420	3	1	6	6	7	6	1	37
MDR021	34 13 22	107 16 28	10	6,600	2	1	6	6	7	6	1	37
MDR022	34 13 29	107 16 24	10	6,600	2	1	6	6	5	6	1	37
MDR023	34 13 59	107 15 47	10	6,480	2	1	6	6	5	6	1	37
MDR024	34 14 28	107 15 7	10	6,380	3	1	6	6	4	6	1	37
MDR025	34 13 9	107 17 43	10	6,750	2	1	6	6	5	6	1	37
MDR026	34 10 51	107 17 45	10	6,620	2	1	6	6	5	6	1	37
MDR027	34 11 1	107 20 43	10	6,800	2	1	6	6	6	6	1	37
MDR028	34 11 9	107 21 0	10	6,820	2	1	8	6	4	6	1	37
MDR029	34 11 20	107 21 56	10	6,920	3	1	6	6	6	6	1	37
MDR030	34 10 12	107 20 54	10	6,840	2	1	6	6	8	6	1	37
MDR031	34 9 1	107 20 54	10	6,810	2	1	6	6	7	6	1	37
MDR032	34 8 27	107 20 17	10	6,730	37	1	8	6	6	6	1	37
MDR033	34 11 44	107 20 2	10	6,750	2	1	6	6	5	6	1	37
MDR034	34 12 8	107 20 44	10	6,800	2	1	6	6	6	6	1	37
MDR035	34 14 40	107 19 54	10	7,200	3	1	6	6	4	6	1	37
MDR036	34 15 5	107 19 55	10	7,320	3	1	6	6	4	6	1	37
MDR037	34 12 39	107 22 17	10	7,000	3	1	6	6	3	6	1	37
MDR038	34 13 38	107 21 34	10	6,980	2	1	6	6	4	6	1	37
MDR039	34 13 57	107 22 4	10	7,000	2	1	6	6	3	6	1	37
MDR040	34 15 1	107 21 28	10	7,180	2	1	8	6	6	6	1	37
MDR041	34 17 16	107 22 7	1	6,980	2	1	6	6	6	6	1	37
MDR042	34 17 14	107 22 7	1	6,980	2	1	6	6	6	6	1	37
MDR043	34 17 14	107 21 8	10	7,020	3	1	6	6	2	6	1	37
MDR044	34 20 14	107 22 22	10	6,540	1	1	6	6	7	6	1	37
MDR045	34 20 22	107 21 27	10	6,580	3	1	6	6	6	6	1	37

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR046	34 23 29	107 20 50	10	6,020	2	1	6	6	6	6	1	37
MDR047	34 24 5	107 21 7	10	5,960	3	1	6	6	6	6	1	37
MDR048	34 24 13	107 20 54	10	5,920	3	1	6	6	5	6	1	37
MDR049	34 24 20	107 20 24	10	5,900	3	1	6	6	6	6	1	37
MDR050	34 9 51	107 33 36	10	7,190	2	1	4	6	6	6	1	37
MDR051	34 19 14	107 22 44	10	6,643	3	1	2	6	7	6	1	37
MDR052	34 23 56	107 19 32	10	5,900	3	1	1	6	6	6	1	37
MDR053	34 25 43	107 18 48	10	5,830	3	1	2	6	7	6	1	37
MDR054	34 25 19	107 17 20	10	5,700	3	1	2	6	6	6	1	37
MDR055	34 24 51	107 17 22	10	5,680	2	1	2	6	6	6	1	37
MDR056	34 24 9	107 15 55	10	5,590	2	1	2	6	8	6	1	37
MDR057	34 17 12	107 15 58	10	6,610	3	1	6	6	5	6	1	37
MDR058	34 19 53	107 15 36	10	5,980	3	1	6	6	7	6	1	37
MDR059	34 20 26	107 16 34	10	6,150	3	1	6	6	7	6	1	37
MDR060	34 21 42	107 16 21	10	5,825	2	1	6	6	7	6	1	37
MDR061	34 22 18	107 17 53	10	5,965	2	1	6	6	6	6	1	37
MDR062	34 25 3	107 15 24	10	5,650	3	1	2	6	7	6	1	37
MDR063	34 24 57	107 15 51	10	5,640	3	1	6	6	5	6	1	37
MDR064	34 19 42	107 16 17	10	6,140	2	1	6	6	5	6	1	37
MDR065	34 19 45	107 16 17	10	6,140	2	1	1	6	4	6	1	37
MDR066	34 19 55	107 16 6	10	5,120	2	1	1	6	5	6	1	37
MDR067	34 21 42	107 24 29	10	6,270	3	1	1	6	5	6	1	37
MDR068	34 21 16	107 20 43	10	6,390	3	1	1	6	6	6	1	37
MDR069	34 22 27	107 20 7	10	6,160	2	1	1	6	8	6	1	37
MDR070	34 26 7	107 21 13	10	5,890	2	1	1	6	8	6	1	37
MDR071	34 26 27	107 23 6	10	5,870	1	1	8	6	8	6	1	37
MDR072	34 26 11	107 24 33	10	5,990	3	1	1	6	5	6	1	37
MDR073	34 26 37	107 22 22	10	5,860	2	1	1	6	8	6	1	37
MDR074	34 26 59	107 19 14	10	5,755	3	1	1	6	6	6	1	37
MDR075	34 21 51	107 53 29	10	7,365	2	1	4	6	7	6	1	37
MDR076	34 22 2	107 53 40	10	7,350	1	1	3	6	7	6	1	37
MDR077	34 22 59	107 52 59	10	7,240	2	1	1	6	5	6	1	37
MDR078	34 23 19	107 54 51	10	7,350	2	1	1	6	7	6	1	37
MDR079	34 23 16	107 55 34	10	7,360	1	1	1	6	6	6	1	37
MDR080	34 23 36	107 55 23	10	7,340	2	1	8	6	4	6	1	37
MDR081	34 26 1	107 53 14	10	7,120	3	1	8	6	6	6	1	37
MDR082	34 25 56	107 54 13	10	7,170	2	1	4	6	6	6	1	37
MDR083	34 26 5	107 54 2	10	7,170	2	1	1	6	7	6	1	37
MDR084	34 25 1	107 53 32	10	7,160	2	3	7	6	7	6	1	37
MDR085	34 24 53	107 54 33	10	7,255	2	1	2	6	4	6	1	37
MDR086	34 24 29	107 55 25	10	7,255	2	1	6	6	4	6	1	37
MDR087	34 24 40	107 56 22	10	7,370	3	1	8	6	6	6	1	37
MDR088	34 23 54	107 56 40	10	7,375	2	1	7	6	4	6	1	37
MDR089	34 24 0	107 56 44	10	7,355	3	1	4	6	4	6	1	37
MDR090	34 26 2	107 54 17	10	7,560	4	1	6	6	6	6	1	37

sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR091	34 24 2	107 58 13	10	7,455	4	1	6	6	6	6	1	37
MDR092	34 24 5	107 58 1	10	7,475	4	1	6	6	6	6	1	37
MDR093	34 24 31	107 57 28	10	7,540	4	1	4	6	6	6	1	37
MDR094	34 22 18	107 58 31	10	7,590	1	3	4	6	8	6	1	37
MDR095	34 20 59	107 59 12	10	7,770	3	1	3	6	7	6	1	37
MDR096	34 16 35	107 58 35	10	8,020	3	1	8	6	8	6	1	37
MDR097	34 12 25	107 53 39	10	7,730	2	1	6	6	4	6	1	37
MDR098	34 13 5	107 52 59	10	7,795	3	1	6	6	4	6	1	37
MDR099	34 13 48	107 54 50	10	7,950	4	1	8	6	4	6	1	37
MDR100	34 14 12	107 55 10	10	8,000	4	1	8	6	8	6	1	37
MDR101	34 6 54	107 28 18	10	7,190	2	1	6	6	4	6	1	37
MDR102	34 7 0	107 28 24	10	7,190	2	1	6	6	4	6	1	37
MDR103	34 6 45	107 23 3	10	7,018	2	1	6	6	8	6	1	37
MDR104	34 6 53	107 22 58	10	7,018	2	1	6	6	6	6	1	37
MDR105	34 7 40	107 23 39	10	7,100	2	1	6	6	7	6	1	37
MDR106	34 9 38	107 23 29	10	7,100	2	1	6	6	6	6	1	37
MDR107	34 9 42	107 24 3	10	7,158	2	1	6	6	6	6	1	37
MDR108	34 10 6	107 25 8	10	7,380	2	1	6	6	6	6	1	37
MDR109	34 10 3	107 25 11	10	7,380	2	1	6	6	7	6	1	37
MDR110	34 11 5	107 26 48	10	7,460	2	1	6	6	7	6	1	37
MDR111	34 11 12	107 26 28	10	7,400	2	1	6	6	8	6	1	37
MDR112	34 5 25	107 22 30	10	6,959	2	1	6	6	6	6	1	37
MDR113	34 3 36	107 22 30	10	6,960	2	1	6	6	8	6	1	37
MDR114	34 4 29	107 26 6	10	7,115	2	1	6	6	7	6	1	37
MDR115	34 4 1	107 26 18	10	7,060	2	1	6	6	6	6	1	37
MDR116	34 6 1	107 29 47	10	7,080	2	1	6	6	3	6	1	37
MDR117	34 4 55	107 27 54	10	7,190	2	1	6	6	5	6	1	37
MDR118	34 1 45	107 28 13	10	7,040	2	1	6	6	8	6	1	37
MDR119	34 8 16	107 26 22	10	7,355	2	1	6	6	3	6	1	37
MDR120	34 7 44	107 27 21	10	7,283	2	1	6	6	8	6	1	37
MDR121	34 7 52	107 27 50	10	7,284	2	1	6	6	8	6	1	37
MDR122	34 9 4	107 28 25	10	7,435	2	1	6	6	7	6	1	37
MDR123	34 8 51	107 28 43	10	7,413	2	1	6	6	2	6	1	37
MDR124	34 8 12	107 29 10	10	7,328	2	1	6	6	8	6	1	37
MDR125	34 12 15	107 25 54	10	7,330	2	1	6	6	8	6	1	37
MDR126	34 13 9	107 26 24	10	7,400	2	1	6	6	6	6	1	37
MDR127	34 13 29	107 24 6	10	7,172	2	1	6	6	3	6	1	37
MDR128	34 14 1	107 23 58	10	7,165	2	1	6	6	4	6	1	37
MDR129	34 14 40	107 23 58	10	7,170	2	1	6	6	5	6	1	37
MDR130	34 17 25	107 25 14	10	6,780	2	1	6	6	5	6	1	37
MDR131	34 18 3	107 25 15	10	6,700	2	1	6	6	7	6	1	37
MDR132	34 18 30	107 24 51	1	6,660	2	1	6	6	7	6	1	37
MDR133	34 18 30	107 24 51	1	6,660	2	1	6	6	7	6	1	37
MDR134	34 19 1	107 24 39	10	6,590	2	1	6	6	6	6	1	37
MDR135	34 15 53	107 26 7	10	6,955	2	1	6	6	8	6	1	37

sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR136	34 15 33	107 25 49	10	7,000	2	1	6	6	6	6	1	37
MDR137	34 16 37	107 27 21	10	7,030	2	1	6	6	6	6	1	37
MDR138	34 16 8	107 30 29	10	7,550	2	1	6	6	6	6	1	37
MDR139	34 15 22	107 30 10	10	7,540	2	1	6	6	5	6	1	37
MDR140	34 16 4	107 27 39	10	7,110	2	1	6	6	5	6	1	37
MDR141	34 17 44	107 26 17	10	6,970	2	1	6	6	6	6	1	37
MDR142	34 18 15	107 28 13	10	6,880	2	1	6	6	5	6	1	37
MDR143	34 18 15	107 27 50	10	6,837	2	1	6	6	6	6	1	37
MDR144	34 19 1	107 29 8	10	6,840	2	1	6	6	6	6	1	37
MDR145	34 18 38	107 30 40	10	7,145	2	1	6	6	5	6	1	37
MDR146	34 15 25	107 22 41	10	7,110	2	1	6	6	5	6	1	37
MDR147	34 17 7	107 22 55	10	6,980	2	1	6	6	8	6	1	37
MDR148	34 13 46	107 26 55	1	7,260	2	1	6	6	7	6	1	37
MDR149	34 13 46	107 26 55	1	7,260	2	1	6	6	8	6	1	37
MDR150	34 14 6	107 26 24	10	7,420	2	1	6	6	8	6	1	37
MDR151	34 15 5	107 54 50	10	8,150	4	1	6	6	5	6	1	37
MDR152	34 15 5	107 54 32	10	8,340	4	1	8	6	4	6	1	37
MDR153	34 15 42	107 56 3	10	8,020	4	1	8	6	6	6	1	37
MDR154	34 16 36	107 56 29	10	8,180	2	1	8	6	4	6	1	37
MDR155	34 16 37	107 56 40	10	8,160	4	1	8	6	4	6	1	37
MDR156	34 20 53	107 53 25	10	7,550	3	1	4	6	8	6	1	37
MDR157	34 13 22	107 54 41	10	8,140	4	1	4	6	5	6	1	37
MDR158	34 20 14	107 53 40	10	7,630	3	1	6	6	4	6	1	37
MDR159	34 20 16	107 53 43	10	7,630	3	1	6	6	7	6	1	37
MDR160	34 15 46	107 58 48	10	7,920	3	1	6	6	7	6	1	37
MDR161	34 15 31	107 59 43	10	7,840	2	1	6	6	6	6	1	37
MDR162	34 14 0	107 59 29	10	7,750	2	1	8	6	8	6	1	37
MDR163	34 12 25	107 59 59	10	7,630	1	1	7	6	7	6	1	37
MDR164	34 11 16	107 58 25	10	7,770	3	1	8	6	8	6	1	37
MDR165	34 10 38	107 59 26	10	7,660	4	1	7	6	5	6	1	37
MDR166	34 10 38	107 58 55	10	7,700	4	1	8	6	8	6	1	37
MDR167	34 12 17	107 57 58	10	7,880	3	1	6	6	8	6	1	37
MDR168	34 12 25	107 58 9	10	7,890	2	1	8	6	4	6	1	37
MDR169	34 12 38	107 55 26	10	7,750	4	1	8	6	5	6	1	37
MDR170	34 14 30	107 56 21	10	7,930	4	1	6	6	5	6	1	37
MDR171	34 12 17	107 55 2	10	7,715	4	1	8	6	6	6	1	37
MDR172	34 11 48	107 54 20	10	7,640	3	1	8	6	4	6	1	37
MDR173	34 11 9	107 44 18	10	7,200	1	1	6	6	5	6	1	37
MDR174	34 11 57	107 44 2	10	7,260	1	1	6	6	8	6	1	37
MDR175	34 14 41	107 43 6	10	7,365	2	1	6	6	5	6	1	37
MDR176	34 17 38	107 38 32	10	7,170	2	1	6	6	8	6	1	37
MDR177	34 18 24	107 38 10	10	7,260	2	1	5	6	6	6	1	37
MDR178	34 18 22	107 37 59	10	7,260	2	1	6	6	8	6	1	37
MDR179	34 18 49	107 36 3	10	7,600	2	1	6	6	6	6	1	37
MDR180	34 18 59	107 35 54	10	7,580	2	1	6	6	8	6	1	37
									5	6	1	37

sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR181	34 21 5	107 42 39	10	7,320	2	1	6	6	6	6	1	37
MDR182	34 21 16	107 42 59	10	7,320	2	1	6	6	6	6	1	37
MDR183	34 20 51	107 43 17	10	7,420	2	1	6	6	7	6	1	37
MDR184	34 22 6	107 31 50	1	6,510	2	1	6	6	7	6	1	37
MDR185	34 22 5	107 31 50	1	6,510	2	1	6	6	7	6	1	37
MDR186	34 21 16	107 30 51	10	6,540	2	1	6	6	6	6	1	37
MDR187	34 21 7	107 30 7	10	6,480	2	1	6	6	6	6	1	37
MDR188	34 22 12	107 41 32	10	7,100	2	1	6	6	7	6	1	37
MDR189	34 22 9	107 41 25	10	7,100	2	1	6	6	7	6	1	37
MDR190	34 23 21	107 39 35	10	6,900	2	1	6	6	7	6	1	37
MDR191	34 22 31	107 39 39	10	7,080	2	1	6	6	7	6	1	37
MDR192	34 22 30	107 39 42	10	7,060	2	1	6	6	8	6	1	37
MDR193	34 24 46	107 38 36	10	6,740	2	1	6	6	5	6	1	37
MDR194	34 25 21	107 38 14	10	6,640	2	1	6	6	6	6	1	37
MDR195	34 24 29	107 36 34	10	6,600	2	1	6	6	8	6	1	37
MDR196	34 24 22	107 35 54	10	6,530	2	1	6	6	8	6	1	37
MDR197	34 23 49	107 36 14	10	6,640	2	1	6	6	8	6	1	37
MDR198	34 23 52	107 35 18	10	6,520	2	1	6	6	7	6	1	37
MDR199	34 23 29	107 34 47	10	6,590	2	1	6	6	6	6	1	37
MDR200	34 22 40	107 33 45	10	6,600	2	1	6	6	6	6	1	37
MDR201	34 21 18	107 33 25	10	6,780	2	1	6	6	8	6	1	37
MDR202	34 20 41	107 33 30	10	6,970	2	1	6	6	8	6	1	37
MDR203	34 21 29	107 34 58	10	6,990	2	1	6	6	6	6	1	37
MDR204	34 21 12	107 35 9	10	7,010	2	1	6	6	7	6	1	37
MDR205	34 21 29	107 33 44	10	6,790	2	1	6	6	6	6	1	37
MDR206	34 18 20	107 26 44	10	5,700	2	1	4	6	8	6	1	37
MDR207	34 24 31	107 33 52	10	6,360	2	1	6	6	7	6	1	37
MDR208	34 27 1	107 40 49	10	6,578	2	1	6	6	5	6	1	37
MDR209	34 26 38	107 42 21	10	6,600	2	1	6	6	4	6	1	37
MDR210	34 26 0	107 44 13	10	6,730	2	1	6	6	5	6	1	37
MDR211	34 25 36	107 45 17	10	6,720	2	1	6	6	7	6	1	37
MDR212	34 25 27	107 45 2	10	6,755	2	1	6	6	5	6	1	37
MDR213	34 25 44	107 44 58	10	6,715	2	1	6	6	7	6	1	37
MDR214	34 24 5	107 52 21	10	7,180	2	1	6	6	3	6	1	37
MDR215	34 23 51	107 52 26	10	7,160	2	1	6	6	5	6	1	37
MDR216	34 24 16	107 51 19	10	7,100	2	1	6	6	4	6	1	37
MDR217	34 25 19	107 51 26	10	7,040	2	1	6	6	6	6	1	37
MDR218	34 24 15	107 49 3	10	6,960	2	1	6	6	6	6	1	37
MDR219	34 23 18	107 50 6	10	7,100	2	1	6	6	5	6	1	37
MDR220	34 22 18	107 50 24	10	7,200	2	1	6	6	8	6	1	37
MDR221	34 21 42	107 51 56	10	7,440	2	1	6	6	8	6	1	37
MDR222	34 20 20	107 49 32	10	7,444	2	1	4	6	6	6	1	37
MDR223	34 20 26	107 49 40	10	7,374	2	1	6	6	5	6	1	37
MDR224	34 21 7	107 49 32	10	7,240	2	1	4	6	7	6	1	37
MDR225	34 21 21	107 49 3	10	7,220	2	1	6	6	8	6	1	37

Appendix b-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR226	34 10 51	107 34 24	10	7,182	2	1	6	6	6	6	1	37
MDR227	34 14 34	107 35 55	10	7,100	2	1	6	6	8	6	1	37
MDR228	34 14 21	107 33 24	10	7,300	2	1	6	6	6	6	1	37
MDR229	34 14 7	107 31 54	10	7,450	2	1	6	6	5	6	1	37
MDR230	34 13 0	107 32 8	10	7,290	2	1	6	6	8	6	1	37
MDR231	34 12 14	107 32 29	10	7,250	2	1	6	6	6	6	1	37
MDR232	34 12 8	107 31 17	10	7,390	2	1	6	6	6	6	1	37
MDR233	34 8 25	107 32 43	10	7,140	2	1	6	6	5	6	1	37
MDR234	34 8 44	107 31 45	10	7,260	2	1	6	6	3	6	1	37
MDR235	34 8 49	107 30 40	10	7,390	2	1	6	6	6	6	1	37
MDR236	34 9 42	107 31 43	10	7,320	2	1	6	6	8	6	1	37
MDR237	34 14 1	107 39 9	10	7,010	1	1	6	6	8	6	1	37
MDR238	34 12 21	107 41 47	10	7,100	1	1	6	6	8	6	1	37
MDR239	34 15 14	107 34 58	10	7,210	2	1	6	6	8	6	1	37
MDR240	34 15 33	107 34 28	10	7,270	2	1	6	6	8	6	1	37
MDR241	34 16 0	107 33 28	10	7,420	2	1	6	6	8	6	1	37
MDR242	34 15 29	107 33 0	10	7,440	2	1	6	6	8	6	1	37
MDR243	34 15 29	107 42 43	10	7,390	2	1	6	6	8	6	1	37
MDR244	34 15 42	107 42 39	10	7,410	2	1	6	6	8	6	1	37
MDR245	34 15 40	107 42 36	10	7,410	2	1	6	6	8	6	1	37
MDR246	34 17 12	107 41 44	10	7,350	2	1	6	6	8	6	1	37
MDR247	34 17 44	107 42 21	10	7,440	2	1	6	6	8	6	1	37
MDR248	34 17 38	107 41 11	10	7,280	2	1	6	6	8	6	1	37
MDR249	34 18 17	107 41 14	10	7,350	2	1	6	6	8	6	1	37
MDR250	34 16 57	107 39 55	10	7,140	2	1	6	6	8	6	1	37
MDR251	34 17 20	107 13 5	10	5,984	2	1	6	6	6	6	1	37
MDR252	34 17 38	107 12 32	10	5,900	1	1	6	6	7	6	1	37
MDR253	34 20 22	107 14 2	10	5,750	2	1	6	6	6	6	1	37
MDR254	34 22 49	107 14 3	10	5,500	2	1	6	6	8	6	1	37
MDR255	34 23 51	107 13 56	10	5,550	2	1	6	6	8	6	1	37
MDR256	34 19 14	107 12 6	10	5,760	2	1	6	6	7	6	1	37
MDR257	34 20 13	107 10 44	10	5,480	2	1	6	6	7	6	1	37
MDR258	34 22 4	107 10 47	10	5,400	2	1	6	6	8	6	1	37
MDR259	34 22 31	107 11 43	10	5,240	2	1	6	6	8	6	1	37
MDR260	34 22 27	107 12 32	10	5,280	2	1	6	6	8	6	1	37
MDR261	34 22 46	107 12 50	10	5,480	2	1	6	6	7	6	1	37
MDR262	34 29 12	107 13 43	10	5,920	2	1	6	6	8	6	1	37
MDR263	34 27 56	107 12 6	10	5,200	2	1	6	6	6	6	1	37
MDR264	34 28 37	107 8 17	10	5,950	2	1	6	6	8	6	1	37
MDR265	34 27 25	107 10 8	10	5,980	2	1	6	6	5	6	1	37
MDR266	34 27 50	107 11 25	10	5,880	2	1	6	6	6	6	1	37
MDR267	34 29 7	107 10 15	10	5,760	2	1	6	6	8	6	1	37
MDR268	34 29 5	107 11 29	10	5,800	2	1	6	6	6	6	1	37
MDR269	34 24 22	107 8 17	10	6,100	2	1	6	6	7	6	1	37
MDR270	34 24 12	107 7 59	1	6,100	2	1	6	6	6	6	1	37

Appendix b-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR271	34 24 11	107 7 59	1	6,100	2	1	6	6	6	6	1	37
MDR272	34 23 17	107 8 10	10	5,960	2	1	6	6	6	6	1	37
MDR273	34 23 17	107 7 51	10	5,975	2	1	6	6	6	6	1	37
MDR274	34 24 39	107 8 58	10	6,100	2	1	6	6	2	6	1	37
MDR275	34 24 37	107 9 34	10	6,080	2	1	6	6	6	6	1	37
MDR276	34 29 26	107 6 53	10	5,690	2	1	6	6	2	6	1	37
MDR277	34 29 30	107 5 2	10	5,600	2	1	6	6	2	6	1	37
MDR278	34 29 12	107 0 25	10	5,280	2	2	6	6	8	6	1	37
MDR279	34 29 36	107 1 10	10	5,360	2	2	6	6	8	6	1	37
MDR280	34 29 31	107 0 58	10	5,320	2	2	6	6	7	6	1	37
MDR281	34 29 51	107 3 8	10	5,480	2	2	6	6	8	6	1	37
MDR282	34 27 56	107 2 1	10	5,600	2	2	6	6	8	6	1	37
MDR283	34 27 25	107 0 55	10	5,560	2	2	6	6	7	6	1	37
MDR284	34 28 7	107 0 3	10	5,360	2	2	6	6	8	6	1	37
MDR285	34 26 12	107 0 51	10	5,600	2	2	6	6	7	6	1	37
MDR286	34 26 37	107 1 10	10	5,720	2	2	6	6	8	6	1	37
MDR287	34 26 26	106 59 52	10	5,400	2	2	6	6	8	6	1	37
MDR288	34 26 49	106 57 28	10	5,140	2	2	6	6	8	6	1	37
MDR289	34 25 32	107 2 37	10	6,190	2	2	6	6	8	6	1	37
MDR290	34 25 17	107 2 36	10	6,125	2	2	6	6	7	6	1	37
MDR291	34 24 24	106 59 37	10	5,480	2	2	6	6	6	6	1	37
MDR292	34 23 5	107 0 55	10	5,480	2	1	6	6	8	6	1	37
MDR293	34 21 27	106 59 37	10	5,120	2	1	6	6	8	6	1	37
MDR294	34 21 53	106 59 13	10	5,180	2	1	6	6	7	6	1	37
MDR295	34 19 25	106 59 32	10	4,960	2	1	6	6	8	6	1	37
MDR296	34 19 44	106 58 27	10	4,980	2	1	6	6	8	6	1	37
MDR297	34 19 44	106 57 43	10	4,960	1	1	6	6	8	6	1	37
MDR298	34 19 42	106 57 28	10	4,980	1	1	6	6	8	6	1	37
MDR299	34 18 53	106 58 24	10	4,880	2	2	6	6	8	6	1	37
MDR300	34 18 5	106 58 19	10	4,960	2	1	6	6	5	6	1	37
MDR301	34 14 14	107 12 17	10	5,960	2	4	4	6	4	6	1	37
MDR302	34 12 41	107 13 52	10	6,280	2	4	6	6	7	6	1	37
MDR303	34 12 49	107 13 52	10	6,290	2	4	6	6	8	6	1	37
MDR304	34 12 27	107 12 56	10	6,170	2	4	4	6	7	6	1	37
MDR305	34 11 53	107 12 50	10	6,200	2	4	6	6	6	6	1	37
MDR306	34 11 50	107 11 21	10	5,980	2	4	4	6	8	6	1	37
MDR307	34 10 4	107 13 20	10	6,300	2	4	6	6	2	6	1	37
MDR308	34 9 38	107 14 2	10	6,270	2	4	6	6	6	6	1	37
MDR309	34 9 18	107 13 47	10	6,240	2	4	4	6	8	6	1	37
MDR310	34 9 18	107 14 15	10	6,300	2	4	6	6	8	6	1	37
MDR311	34 5 31	107 12 54	10	7,330	2	4	4	6	7	6	1	37
MDR312	34 3 31	107 13 31	10	7,460	2	4	6	6	5	6	1	37
MDR313	34 3 24	107 14 43	10	7,120	2	1	6	6	5	6	1	37
MDR314	34 4 42	107 14 4	10	6,990	2	1	6	6	4	6	1	37
MDR315	34 4 29	107 13 14	10	7,050	2	1	6	6	6	6	1	37

sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	STR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR316	34 3 54	107 12 17	10	7,420	2	1	6	6	4	6	1	37
MDR317	34 7 20	107 13 14	10	6,515	2	1	6	6	8	6	1	37
MDR318	34 7 41	107 12 25	10	6,440	2	1	6	6	6	6	1	37
MDR319	34 7 55	107 11 47	10	6,445	2	1	6	6	3	6	1	37
MDR320	34 3 38	107 7 15	10	6,520	2	1	6	6	6	6	1	37
MDR321	34 3 59	107 7 37	10	6,590	2	1	6	6	7	6	1	37
MDR322	34 4 38	107 8 43	10	6,780	2	1	6	6	4	6	1	37
MDR323	34 1 39	107 9 29	10	7,395	2	1	6	6	4	6	1	37
MDR324	34 1 6	107 8 6	10	6,950	2	1	6	3	4	1	3	2
MDR325	34 0 59	107 8 3	10	6,960	2	1	6	6	5	6	1	37
MDR326	34 1 31	107 7 48	10	6,800	2	4	6	6	5	6	1	37
MDR327	34 1 53	107 7 11	10	6,725	2	1	6	6	6	6	1	37
MDR328	34 3 1	107 3 26	10	6,040	2	1	6	6	7	6	1	37
MDR329	34 6 56	107 8 36	10	6,075	2	1	6	6	8	6	1	37
MDR330	34 7 22	107 9 13	10	6,080	2	1	4	6	8	6	1	37
MDR331	34 14 50	107 6 51	10	5,560	2	1	2	6	7	6	1	37
MDR332	34 13 16	107 7 4	10	5,550	2	1	6	2	7	2	2	2
MDR333	34 11 51	107 5 24	10	5,820	2	1	4	6	8	6	1	37
MDR334	34 8 40	107 0 3	10	5,605	2	1	6	6	7	6	1	37
MDR335	34 14 20	107 1 10	10	5,580	2	1	6	6	6	6	1	37
MDR336	34 14 17	107 1 39	10	5,525	2	1	6	6	7	6	1	37
MDR337	34 13 53	107 2 7	10	5,580	2	1	6	6	7	6	1	37
MDR338	34 12 6	107 2 51	10	5,815	2	1	6	6	8	6	1	37
MDR339	34 8 7	107 5 24	10	5,835	2	1	4	6	8	6	1	37
MDR340	34 5 39	107 1 6	10	5,720	2	1	4	6	7	6	1	37
MDR341	34 5 38	107 1 34	1	5,715	2	1	4	6	7	6	1	37
MDR342	34 5 38	107 1 34	1	5,715	2	1	4	6	7	6	1	37
MDR343	34 0 16	107 14 47	10	7,660	2	1	6	6	4	6	1	37
MDR344	34 1 21	107 14 48	10	7,520	2	1	6	6	5	6	1	37
MDR345	34 6 51	107 7 59	10	5,980	2	1	4	6	8	6	1	37
MDR346	34 1 6	107 0 33	10	5,640	2	1	4	6	5	6	1	37
MDR347	34 1 40	107 0 7	10	5,600	2	1	4	6	5	6	1	37
MDR348	34 1 30	107 0 22	10	5,630	2	1	6	6	7	6	1	37
MDR349	34 1 45	106 59 45	10	5,580	2	1	6	6	4	6	1	37
MDR350	34 2 9	106 59 58	10	5,625	2	1	6	6	4	6	1	37
MDR351	34 0 40	106 59 13	10	5,480	2	1	4	6	5	6	1	37
MDR352	34 0 40	106 58 7	10	5,280	2	1	4	6	5	6	1	37
MDR353	34 0 55	106 56 29	10	5,160	2	1	6	6	5	6	1	37
MDR354	34 2 18	106 56 10	10	4,970	2	1	6	6	5	6	1	37
MDR355	34 6 18	106 58 24	10	5,060	2	1	4	6	6	6	1	37
MDR356	34 6 42	106 57 47	10	5,050	2	1	4	6	6	6	1	37
MDR357	34 7 17	106 57 43	10	4,990	2	1	6	6	6	6	1	37
MDR358	34 8 32	106 59 19	10	5,490	2	1	6	6	6	6	1	37
MDR359	34 7 59	106 58 13	10	5,090	2	1	6	6	5	6	1	37
MDR360	34 9 9	106 56 37	10	4,980	2	1	6	6	8	6	1	37

Sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR361	34 9 4	106 56 37	10	4,975	2	1	6	6	8	6	1	37
MDR362	34 9 33	106 56 37	10	4,940	2	1	6	6	8	6	1	37
MDR363	34 9 51	106 57 24	10	5,190	2	1	6	6	8	6	1	37
MDR364	34 10 17	106 55 39	10	4,720	2	1	3	5	7	10	3	5
MDR365	34 10 51	106 57 36	10	5,330	2	1	6	6	7	6	1	37
MDR366	34 11 9	106 57 39	10	7,350	2	1	6	6	6	6	1	37
MDR367	34 14 27	106 59 4	10	5,115	2	1	6	6	6	6	1	37
MDR368	34 13 55	106 58 31	10	5,070	4	1	6	6	6	6	1	37
MDR369	34 13 18	106 58 13	10	5,100	4	1	6	6	6	6	1	37
MDR370	34 13 20	106 59 0	10	5,195	4	1	6	6	7	6	1	37
MDR371	34 13 24	106 59 30	10	5,310	4	1	6	6	6	6	1	37
MDR372	34 13 24	106 56 37	10	4,900	4	1	6	6	6	6	1	37
MDR373	34 12 44	106 55 30	10	4,690	2	1	6	6	6	6	1	37
MDR374	34 12 30	106 55 45	10	4,735	2	1	6	6	7	6	1	37
MDR375	34 11 46	106 55 39	10	4,700	2	1	6	6	6	6	1	37
MDR376	34 3 0	106 56 40	10	4,990	3	1	6	6	6	6	1	37
MDR377	34 3 59	106 55 29	10	4,715	2	1	6	6	5	6	1	37
MDR378	34 4 53	106 55 21	10	4,710	2	1	6	6	5	6	1	37
MDR379	34 5 2	106 54 51	10	4,680	2	1	6	6	5	6	1	37
MDR380	34 5 26	106 54 43	1	4,690	2	1	4	6	4	6	1	37
MDR381	34 5 26	106 54 44	1	4,690	2	1	4	6	4	6	1	37
MDR382	34 1 29	106 50 54	10	4,660	2	1	6	6	8	6	1	37
MDR383	34 2 5	106 49 58	10	4,790	2	1	6	6	7	6	1	37
MDR384	34 2 5	106 48 44	10	4,930	2	1	6	6	7	6	1	37
MDR385	34 2 7	106 45 33	10	5,190	3	1	6	6	7	6	1	37
MDR386	34 1 5	106 47 52	10	4,910	2	1	6	6	6	6	1	37
MDR387	34 0 1	106 47 29	10	4,980	2	1	6	6	7	6	1	37
MDR388	34 7 7	106 51 18	10	4,780	2	1	6	6	5	6	1	37
MDR389	34 6 40	106 50 54	10	4,750	2	1	4	6	6	6	1	37
MDR390	34 6 40	106 50 13	10	4,815	3	1	4	6	6	6	1	37
MDR391	34 6 40	106 48 28	10	5,000	2	1	4	6	6	6	1	37
MDR392	34 6 29	106 46 6	10	5,205	2	1	4	6	6	6	1	37
MDR393	34 5 49	106 49 44	10	4,790	3	1	6	6	7	6	1	37
MDR394	34 5 35	106 49 47	10	4,775	3	1	6	6	6	6	1	37
MDR395	34 4 36	106 50 24	10	4,705	2	1	6	6	7	6	1	37
MDR396	34 3 50	106 49 50	10	4,775	2	1	4	6	6	6	1	37
MDR397	34 4 5	106 48 33	10	4,895	2	1	4	6	5	6	1	37
MDR398	34 2 57	106 48 56	10	4,805	3	1	2	6	5	6	1	37
MDR399	34 4 56	106 46 32	10	5,150	2	1	6	6	6	6	1	37
MDR400	34 2 49	106 47 25	10	5,015	2	1	6	6	6	6	1	37
MDR401	34 2 40	106 47 59	10	4,980	2	1	6	6	5	6	1	37
MDR402	34 1 35	106 38 17	10	5,450	1	1	6	6	4	6	1	37
MDR403	34 2 14	106 39 13	10	5,535	2	1	6	6	5	6	1	37
MDR404	34 4 29	106 38 3	10	5,840	3	1	6	6	5	6	1	37
MDR405	34 6 5	106 39 29	10	5,890	2	1	6	6	8	6	1	37

Sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR406	34 5 55	106 39 20	10	5,890	2	1	6	6	4	6	1	37
MDR407	34 5 25	106 39 13	10	5,840	2	1	6	6	5	6	1	37
MDR408	34 4 55	106 39 13	10	5,780	2	1	6	6	7	6	1	37
MDR409	34 3 33	106 39 24	10	5,640	2	1	2	6	6	6	1	37
MDR410	34 2 22	106 39 53	10	5,560	2	1	4	6	6	6	1	37
MDR411	34 5 24	106 43 29	10	5,685	2	1	4	6	7	6	1	37
MDR412	34 3 6	106 43 24	10	5,540	2	1	6	6	7	6	1	37
MDR413	34 1 25	106 43 13	10	5,420	2	1	6	6	7	6	1	37
MDR414	34 1 35	106 42 47	10	5,460	2	1	6	6	6	6	1	37
MDR415	34 3 22	106 41 33	10	5,655	2	1	6	6	7	6	1	37
MDR416	34 0 16	106 40 34	10	5,520	2	1	6	6	8	6	1	37
MDR417	34 0 44	106 36 3	10	5,455	1	1	4	6	6	6	1	37
MDR418	34 1 35	106 32 53	10	5,560	2	1	2	2	5	1	2	3
MDR419	34 3 30	106 32 20	10	5,635	2	1	6	6	5	6	1	37
MDR420	34 5 25	106 31 28	10	5,630	2	1	6	6	5	6	1	37
MDR421	34 5 54	106 31 34	10	5,665	2	1	6	6	2	6	1	37
MDR422	34 6 36	106 32 45	10	5,780	2	1	4	6	6	6	1	37
MDR423	34 7 7	106 32 51	10	5,765	2	1	6	6	6	6	1	37
MDR424	34 6 25	106 37 2	10	6,085	3	1	6	6	4	6	1	37
MDR425	34 6 18	106 36 50	10	6,065	2	1	6	6	3	6	1	37
MDR426	34 17 38	107 0 7	10	5,280	2	4	6	6	8	6	1	37
MDR427	34 17 31	106 58 37	10	5,030	2	1	6	6	7	6	1	37
MDR428	34 16 50	106 57 28	10	4,960	2	1	6	6	8	6	1	37
MDR429	34 16 41	106 57 32	10	4,960	3	1	6	6	7	6	1	37
MDR430	34 16 25	106 57 13	10	4,900	2	1	6	6	8	6	1	37
MDR431	34 15 55	106 56 51	10	4,880	3	1	6	6	8	6	1	37
MDR432	34 15 38	106 56 7	10	4,800	2	1	6	6	8	6	1	37
MDR433	34 15 25	106 59 15	10	5,310	2	1	6	6	7	6	1	37
MDR434	34 15 53	106 59 39	10	4,320	2	1	6	6	6	6	1	37
MDR435	34 15 29	107 9 24	10	5,760	2	1	6	6	4	6	1	37
MDR436	34 20 31	107 1 32	10	5,040	1	1	6	6	8	6	1	37
MDR437	34 21 18	107 3 0	10	5,240	3	1	6	6	8	6	1	37
MDR438	34 21 19	107 2 47	10	5,200	3	1	6	6	8	6	1	37
MDR439	34 22 37	107 4 21	10	5,800	3	1	6	6	7	6	1	37
MDR440	34 22 44	107 4 10	10	5,840	3	1	6	6	7	6	1	37
MDR441	34 18 26	107 2 29	10	5,200	2	1	6	6	8	6	1	37
MDR442	34 18 32	107 2 39	10	5,200	2	1	6	6	7	6	1	37
MDR443	34 20 29	107 3 37	10	5,100	3	1	6	6	8	6	1	37
MDR444	34 20 13	107 4 3	10	5,120	3	1	6	6	6	6	1	37
MDR445	34 19 55	107 4 50	10	5,200	3	1	6	6	7	6	1	37
MDR446	34 19 18	107 4 36	10	5,200	2	1	6	6	8	6	1	37
MDR447	34 18 17	107 5 30	10	5,280	2	1	6	6	7	6	1	37
MDR448	34 16 36	107 8 10	10	5,550	3	4	6	6	7	6	1	37
MDR449	34 17 7	107 6 33	10	5,380	2	4	6	6	8	6	1	37
MDR450	34 17 5	107 9 32	10	5,620	2	1	6	6	7	6	1	37

sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR451	34 16 28	107 6 14	10	5,400	3	1	6	6	7	6	1	37
MDR452	34 16 24	107 6 27	10	5,400	3	1	6	6	8	6	1	37
MDR453	34 17 14	107 9 39	1	5,620	2	1	6	6	8	6	1	37
MDR454	34 17 14	107 9 39	1	5,620	2	1	6	6	8	6	1	37
MDR455	34 17 29	107 7 59	10	5,500	2	1	6	6	8	6	1	37
MDR456	34 19 5	107 8 43	10	5,480	2	1	6	6	7	6	1	37
MDR457	34 18 57	107 10 10	10	5,600	2	1	6	6	8	6	1	37
MDR458	34 20 14	107 7 4	10	5,300	2	1	6	6	8	6	1	37
MDR459	34 20 37	107 7 26	10	5,320	3	1	6	6	7	6	1	37
MDR460	34 21 5	107 8 3	10	5,400	3	1	6	6	8	6	1	37
MDR461	34 20 35	107 8 50	10	5,390	2	1	6	6	7	6	1	37
MDR462	34 21 20	107 9 2	10	5,390	2	1	6	6	8	6	1	37
MDR463	34 9 22	106 52 17	10	4,680	2	1	6	6	8	6	1	37
MDR464	34 9 7	106 46 58	10	5,140	3	1	6	6	7	6	1	37
MDR465	34 8 27	106 47 50	10	5,080	2	1	6	6	7	6	1	37
MDR466	34 12 39	106 49 36	10	5,000	2	1	6	6	7	6	1	37
MDR467	34 14 21	106 49 29	10	5,040	3	1	6	6	7	6	1	37
MDR468	34 10 49	106 45 55	10	5,050	2	1	6	6	8	6	1	37
MDR469	34 11 11	106 45 59	10	5,140	2	1	6	6	6	6	1	37
MDR470	34 12 14	106 43 51	10	5,325	2	1	6	6	8	6	1	37
MDR471	34 12 3	106 43 51	10	5,340	2	1	6	6	7	6	1	37
MDR472	34 10 3	106 44 24	10	5,350	2	1	6	6	8	6	1	37
MDR473	34 9 11	106 44 58	10	5,270	2	1	6	6	7	6	1	37
MDR474	34 8 5	106 43 32	10	4,600	2	1	6	6	7	6	1	37
MDR475	34 7 20	106 43 13	10	5,640	2	1	1	6	8	6	1	37
MDR476	34 8 52	106 42 39	10	5,490	2	1	6	6	8	6	1	37
MDR477	34 7 57	106 42 39	10	5,630	2	1	6	6	6	6	1	37
MDR478	34 7 28	106 41 50	10	5,740	2	1	6	6	7	6	1	37
MDR479	34 7 31	106 40 38	10	5,850	2	1	6	6	6	6	1	37
MDR480	34 8 3	106 40 34	10	5,740	3	1	6	6	7	6	1	37
MDR481	34 8 12	106 40 14	10	5,790	2	1	6	6	7	6	1	37
MDR482	34 8 29	106 40 25	10	5,790	3	1	6	6	8	6	1	37
MDR483	34 12 37	106 45 11	10	5,220	4	1	4	6	8	6	1	37
MDR484	34 12 36	106 44 34	10	5,280	3	1	4	6	6	6	1	37
MDR485	34 11 12	106 39 31	10	5,830	2	1	4	6	8	6	1	37
MDR486	34 11 18	106 39 39	10	5,810	2	1	4	6	6	6	1	37
MDR487	34 11 16	106 40 23	10	5,740	2	1	4	6	7	6	1	37
MDR488	34 13 18	106 38 43	10	5,740	2	1	4	6	8	6	1	37
MDR489	34 12 49	106 36 52	10	5,900	2	1	4	6	6	6	1	37
MDR490	34 12 31	106 36 45	10	5,940	2	1	4	6	6	6	1	37
MDR491	34 12 30	106 36 54	10	5,940	2	1	4	6	7	6	1	37
MDR492	34 14 49	106 40 8	1	5,540	3	1	3	6	6	6	1	37
MDR493	34 13 57	106 40 34	1	5,550	3	1	3	6	6	6	1	37
MDR494	34 17 18	106 34 39	10	6,100	3	1	4	6	6	6	1	37
MDR495	34 17 20	106 34 43	10	6,100	3	3	1	6	6	6	1	37

sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR496	34 13 55	106 36 30	10	5,940	3	1	4	6	6	6	1	37
MDR497	34 16 21	106 33 52	10	6,100	4	1	3	6	8	6	1	37
MDR498	34 16 50	106 33 45	10	6,100	2	1	4	6	6	6	1	37
MDR499	34 14 29	106 34 25	10	5,960	3	1	3	6	6	6	1	37
MDR500	34 33 16	106 16 34	10	6,640	1	1	6	6	4	6	1	37
MDR776	34 9 7	107 49 55	10	7,378	3	1	6	6	5	6	1	37
MDR777	34 10 31	107 47 5	10	5,337	1	1	6	6	6	6	1	37
MDR778	34 10 54	107 46 54	10	7,358	1	1	6	6	8	6	1	37
MDR779	34 12 3	107 46 24	10	7,465	2	1	6	6	7	6	1	37
MDR780	34 12 45	107 46 24	10	7,540	2	1	6	6	8	6	1	37
MDR781	34 13 18	107 45 50	10	7,550	2	1	6	6	7	6	1	37
MDR782	34 13 24	107 45 36	10	7,555	3	4	6	6	8	6	1	37
MDR783	34 13 49	107 50 45	10	7,730	2	1	6	6	4	6	1	37
MDR784	34 13 51	107 50 6	10	7,720	2	1	6	6	4	6	1	37
MDR785	34 15 9	107 48 56	10	7,870	3	1	6	6	5	6	1	37
MDR786	34 15 51	107 49 7	10	7,920	3	1	6	6	8	6	1	37
MDR787	34 15 38	107 49 14	10	7,920	3	1	6	6	4	6	1	37
MDR788	34 15 46	107 48 43	10	7,920	3	1	6	6	2	6	1	37
MDR789	34 17 1	107 47 50	10	8,178	3	1	6	6	1	6	1	37
MDR790	34 16 54	107 47 37	10	8,160	3	2	6	6	8	6	1	37
MDR791	34 13 24	107 50 17	10	7,698	3	1	6	6	8	6	1	37
MDR792	34 12 55	107 50 54	10	5,630	3	1	6	6	8	6	1	37
MDR793	34 12 14	107 51 25	10	7,560	3	1	6	6	8	6	1	37
MDR794	34 24 39	107 41 18	10	7,210	4	1	4	6	3	6	1	37
MDR795	34 24 5	107 40 54	10	7,098	4	1	4	6	5	6	1	37
MDR796	34 23 32	107 41 25	10	7,200	4	1	6	6	4	6	1	37
MDR797	34 22 12	107 42 28	10	7,350	4	1	6	6	8	6	1	37
MDR798	34 22 5	107 42 32	10	7,375	4	1	6	6	8	6	1	37
MDR799	34 19 36	107 45 59	10	7,795	3	1	6	6	5	6	1	37
MDR800	34 19 40	107 46 6	10	7,795	3	1	6	6	4	6	1	37
MDR801	34 20 14	107 37 22	10	7,440	3	1	6	6	4	6	1	37
MDR802	34 21 19	107 40 1	10	7,260	4	1	6	6	6	6	1	37
MDR803	34 14 15	107 43 45	10	7,500	2	1	6	6	8	6	1	37
MDR804	34 14 0	107 44 0	10	7,455	2	1	6	6	8	6	1	37
MDR805	34 13 55	107 44 4	10	7,455	2	1	6	6	8	6	1	37
MDR806	34 13 9	107 44 7	10	7,345	2	1	6	6	8	6	1	37
MDR807	34 11 12	107 52 55	10	7,530	3	1	8	6	8	6	1	37
MDR808	34 26 7	106 23 25	10	5,935	4	1	4	6	5	6	1	37
MDR809	34 25 19	106 24 54	10	5,850	2	1	4	6	8	6	1	37
MDR810	34 24 20	106 25 47	10	5,910	3	1	4	6	5	6	1	37
MDR811	34 23 55	106 24 39	10	5,960	2	1	4	6	4	6	1	37
MDR812	34 23 55	106 23 47	10	6,010	2	1	4	6	8	6	1	37
MDR813	34 23 49	106 23 51	10	5,975	3	1	6	6	6	6	1	37
MDR814	34 23 32	106 25 41	10	5,970	3	1	4	6	6	6	1	37
MDR815	34 23 30	106 25 55	10	5,990	3	1	4	6	5	6	1	37

sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR816	34 23 1	106 26 3	10	6,025	3	1	4	6	4	6	1	37
MDR817	34 26 2	106 26 51	10	5,715	2	1	8	6	6	6	1	37
MDR818	34 23 53	106 29 24	10	5,830	2	1	6	6	6	6	1	37
MDR819	34 23 51	106 29 13	10	5,830	3	1	4	3	4	1	2	1
MDR820	34 24 22	106 28 39	10	5,795	2	1	4	6	5	6	1	37
MDR821	34 25 25	106 21 30	10	6,100	2	1	4	6	4	6	1	37
MDR822	34 22 57	106 22 4	10	6,200	2	1	6	6	6	6	1	37
MDR823	34 23 29	106 21 50	10	6,205	3	1	6	6	6	6	1	37
MDR824	34 23 56	106 20 31	10	6,280	3	1	6	6	5	6	1	37
MDR825	34 23 38	106 17 21	10	6,550	3	1	6	6	6	6	1	37
MDR826	34 23 29	106 17 15	10	6,660	3	1	6	6	5	6	1	37
MDR827	34 24 39	106 18 45	10	5,240	3	1	4	6	7	6	1	37
MDR828	34 24 48	106 18 48	10	6,200	3	1	4	6	4	6	1	37
MDR829	34 25 38	106 19 32	10	6,200	3	1	4	6	8	6	1	37
MDR830	34 26 14	106 18 8	10	6,340	3	1	4	6	7	6	1	37
MDR851	34 23 5	107 48 26	10	7,030	3	1	4	6	6	6	1	37
MDR852	34 23 8	107 48 6	10	7,000	3	1	4	6	5	6	1	37
MDR853	34 23 3	107 47 39	10	7,040	3	1	4	6	7	6	1	37
MDR854	34 22 38	107 47 34	1	7,070	3	1	4	6	7	6	1	37
MDR855	34 22 38	107 47 34	1	7,070	3	1	4	6	7	6	1	37
MDR856	34 21 38	107 46 50	10	7,340	3	1	4	6	8	6	1	37
MDR857	34 21 54	107 46 58	10	7,190	3	1	8	6	7	6	1	37
MDR858	34 25 12	107 46 43	10	6,790	2	1	2	6	8	6	1	37
MDR859	34 24 3	107 47 19	10	6,946	1	1	3	6	5	6	1	37
MDR860	34 23 51	107 45 11	10	7,025	2	4	3	6	4	6	1	37
MDR861	34 23 25	107 45 22	10	7,079	1	1	6	6	5	6	1	37
MDR862	34 23 5	107 45 29	10	7,098	2	1	2	6	6	6	1	37
MDR863	34 26 38	107 39 32	10	6,681	2	5	4	6	6	6	1	37
MDR864	34 26 40	107 39 53	10	6,680	2	1	4	6	6	6	1	37
MDR865	34 10 17	107 51 21	10	7,460	3	1	4	6	4	6	1	37
MDR866	34 10 45	107 51 16	10	7,500	1	1	8	6	5	6	1	37
MDR867	34 12 1	107 51 19	10	7,580	1	1	4	6	4	6	1	37
MDR868	34 12 54	107 51 28	10	7,650	1	1	4	6	8	6	1	37
MDR869	34 14 16	107 51 15	10	7,820	3	1	6	6	8	6	1	37
MDR870	34 15 36	107 51 1	10	7,924	3	1	6	6	5	6	1	37
MDR871	34 16 0	107 51 3	10	7,953	2	1	6	6	8	6	1	37
MDR872	34 16 22	107 50 54	10	8,010	3	1	6	6	4	6	1	37
MDR873	34 10 15	107 48 45	10	7,498	2	1	6	6	2	6	1	37
MDR874	34 10 19	107 48 55	10	7,455	2	1	6	6	4	6	1	37
MDR875	34 10 38	107 48 48	10	7,490	2	1	6	6	2	6	1	37
MDR876	34 5 20	106 35 43	10	5,960	3	1	6	6	6	6	1	37
MDR877	34 4 40	106 35 50	10	5,880	4	1	4	6	5	6	1	37
MDR878	34 3 31	106 36 5	10	5,740	2	1	6	6	8	6	1	37
MDR879	34 4 27	106 36 26	10	5,840	3	1	4	6	3	6	1	37
MDR880	34 7 53	106 36 23	10	6,260	3	1	4	6	2	6	1	37

Sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR881	34 8 41	106 36 24	10	6,360	3	1	3	6	6	6	1	37
MDR882	34 10 14	106 33 56	10	6,100	1	1	6	6	1	6	1	37
MDR883	34 8 36	106 32 34	10	5,840	1	1	3	6	4	6	1	37
MDR884	34 8 14	106 32 43	10	5,855	1	1	3	6	3	6	1	37
MDR885	34 7 42	106 30 29	10	5,620	1	1	3	6	3	6	1	37
MDR886	34 13 14	106 30 44	10	5,870	3	1	3	6	4	6	1	37
MDR887	34 13 7	106 30 47	10	5,870	3	1	3	6	4	6	1	37
MDR888	34 11 16	106 30 6	10	5,735	3	1	6	6	5	6	1	37
MDR889	34 10 12	106 30 3	10	5,715	4	1	6	6	5	6	1	37
MDR890	34 12 27	106 30 59	1	5,880	2	1	3	6	4	6	1	37
MDR891	34 12 27	106 30 59	1	5,880	2	1	3	6	4	6	1	37
MDR892	34 11 53	106 32 14	10	5,950	3	1	6	6	5	6	1	37
MDR893	34 15 9	106 28 32	10	6,110	1	1	3	6	8	6	1	37
MDR894	34 15 1	106 28 17	10	6,100	1	1	3	6	8	6	1	37
MDR895	34 15 53	106 29 36	10	6,045	2	1	7	6	4	6	1	37
MDR896	34 15 42	106 29 12	10	6,060	1	1	3	6	3	6	1	37
MDR897	34 15 3	106 27 2	10	6,170	2	1	3	6	4	6	1	37
MDR898	34 15 11	106 31 10	10	6,075	3	1	6	6	3	6	1	37
MDR899	34 19 40	106 28 41	10	6,175	2	1	4	6	5	6	1	37
MDR900	34 19 36	106 28 31	10	6,175	2	1	4	6	5	6	1	37
MDR926	34 34 8	106 16 33	10	6,605	2	1	6	6	6	6	1	37
MDR927	34 36 25	106 19 21	10	6,760	2	1	4	6	6	6	1	37
MDR928	34 30 14	106 16 43	10	6,380	2	1	4	6	8	6	1	37
MDR929	34 30 5	106 17 1	10	6,380	2	1	4	6	8	6	1	37
MDR930	34 32 44	106 20 17	10	6,800	4	1	3	6	4	6	1	37
MDR931	34 31 2	106 21 14	10	6,480	4	1	3	6	5	6	1	37
MDR932	34 31 39	106 21 55	10	6,600	4	1	3	6	5	6	1	37
MDR933	34 31 30	106 22 7	10	6,600	4	1	3	6	3	6	1	37
MDR934	34 33 8	106 21 14	10	6,950	3	1	4	6	7	6	1	37
MDR935	34 33 5	106 21 41	10	6,950	3	1	4	6	7	6	1	37
MDR936	34 29 7	106 22 22	10	6,310	2	1	4	6	5	6	1	37
MDR937	34 29 54	106 21 56	10	6,400	2	1	4	6	6	6	1	37
MDR938	34 27 7	106 22 18	10	6,050	2	1	4	6	7	6	1	37
MDR939	34 27 12	106 21 12	10	6,100	2	1	4	6	5	6	1	37
MDR940	34 27 44	106 19 13	10	6,170	2	1	4	6	6	6	1	37
MDR941	34 28 33	106 18 6	10	6,240	2	1	6	6	8	6	1	37
MDR942	34 28 49	106 21 2	10	6,260	3	1	3	6	5	6	1	37
MDR943	34 27 56	106 19 36	10	6,180	3	1	3	6	7	6	1	37
MDR944	34 28 57	106 22 39	1	6,280	3	1	3	6	5	6	1	37
MDR945	34 28 57	106 22 39	1	6,280	3	1	3	6	5	6	1	37
MDR946	34 28 57	106 23 29	10	6,280	3	1	3	6	4	6	1	37
MDR947	34 30 59	106 25 11	10	6,320	5	1	4	6	6	6	1	37
MDR948	34 29 6	106 25 34	10	6,040	3	1	6	6	8	6	1	37
MDR949	34 27 36	106 24 46	10	5,880	4	1	3	6	6	6	1	37
MDR950	34 25 56	106 28 34	10	5,590	5	1	6	2	7	1	2	1

sample	LATITUDE	LONGITUD	REP SPL	ELEV	RELIEF	ROCK TYP	SED COLR	WTR FLOW	STR WDTH	WTR DPTH	WTR LEVL	WTR COLR
MDR951	34 19 49	106 27 2	10	6,250	1	1	4	6	8	6	1	37
MDR952	34 18 35	106 27 2	10	6,355	2	1	6	6	8	6	1	37
MDR953	34 21 36	106 23 13	10	6,240	2	1	4	6	8	6	1	37
MDR954	34 20 30	106 24 50	10	6,310	1	1	6	6	8	6	1	37
MDR955	34 22 14	106 24 55	10	6,150	2	1	4	6	6	6	1	37
MDR956	34 22 55	106 26 3	10	6,040	2	1	6	6	6	6	1	37
MDR957	34 20 51	106 28 52	10	6,095	4	1	6	6	6	6	1	37
MDR958	34 22 6	106 28 54	10	5,970	4	1	6	6	6	6	1	37
MDR959	34 22 16	106 29 4	10	5,960	4	1	7	6	7	6	1	37
MDR960	34 18 21	106 20 24	10	6,400	4	1	2	6	4	6	1	37
MDR961	34 18 18	106 20 17	10	5,990	4	1	6	6	5	6	1	37
MDR962	34 17 40	106 20 32	10	6,320	3	1	2	6	6	6	1	37
MDR963	34 19 1	106 21 47	10	6,470	3	1	3	6	5	6	1	37
MDR964	34 19 20	106 21 25	10	6,510	3	1	6	6	4	6	1	37
MDR965	34 16 18	106 21 34	10	6,120	2	1	6	6	6	6	1	37
MDR966	34 15 59	106 18 15	10	6,280	3	1	2	6	4	6	1	37
MDR967	34 16 28	106 18 58	10	6,300	3	1	6	6	5	6	1	37
MDR968	34 16 8	106 19 32	10	6,220	3	1	6	6	5	6	1	37
MDR969	34 16 26	106 20 19	10	6,160	2	1	6	6	5	6	1	37
MDR970	34 15 38	106 21 23	10	6,105	1	1	6	6	8	6	1	37
MDR971	34 16 12	106 15 7	10	6,540	2	1	6	6	5	6	1	37
MDR972	34 15 35	106 15 36	10	6,390	4	1	6	6	5	6	1	37
MDR973	34 15 33	106 24 9	10	6,210	3	1	6	6	7	6	1	37
MDR974	34 16 51	106 23 29	10	6,345	2	1	2	6	7	6	1	37
MDR975	34 17 55	106 22 54	10	6,360	3	1	2	6	5	6	1	37
MDR976	34 26 59	106 26 21	10	5,780	3	1	6	6	7	6	1	37
MDR977	34 28 9	106 26 18	10	5,810	2	1	6	6	6	6	1	37
MDR978	34 28 12	106 26 24	10	5,810	2	1	7	6	7	6	1	37
MDR979	34 26 40	106 23 54	10	5,940	4	1	4	6	5	6	1	37
MDR980	34 25 52	106 24 17	10	5,800	3	1	4	6	6	6	1	37
MDR981	34 26 22	106 26 44	10	5,730	2	1	4	6	5	6	1	37
MDR982	34 21 51	106 31 13	10	6,300	4	1	7	6	7	6	1	37
MDR990	34 27 37	106 18 32	10	6,220	1	1	4	6	4	6	1	37
MDR991	34 27 41	106 18 26	10	6,220	1	1	2	6	5	6	1	37
MDR992	34 28 7	106 17 18	10	6,315	2	1	4	6	4	6	1	37
MDR993	34 28 37	106 17 13	10	6,255	2	1	6	6	5	6	1	37
MDR994	34 29 17	106 16 50	1	6,300	2	1	4	6	4	6	1	37
MDR995	34 29 17	106 16 50	1	6,300	2	1	4	6	4	6	1	37
MDR996	34 29 5	106 17 9	10	6,280	1	1	6	6	8	6	1	37

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR001	2	3	2	3	1	--	150	3.9	<1	N	7
MDR002	2	3	2	1	1	--	140	5.1	<1	N	6
MDR003	3	4	3	1	1	--	100	5.3	<1	N	7
MDR004	2	3	3	1	1	--	140	4.4	<1	N	7
MDR005	2	3	3	1	1	--	140	5.8	<1	N	7
MDR006	3	4	3	1	1	--	95	6.6	<1	N	7
MDR007	2	3	3	1	1	--	160	4.5	<1	N	7
MDR008	3	4	3	1	1	--	90	6.6	<1	N	7
MDR009	3	3	3	1	1	--	125	4.3	<1	N	6
MDR010	2	3	2	1	1	--	90	1.9	<1	N	7
MDR011	2	3	2	1	1	--	130	2.9	<1	N	7
MDR012	2	3	3	1	1	--	110	2.3	<1	N	7
MDR013	3	3	3	1	1	--	95	2.5	<1	N	7
MDR014	3	3	3	1	1	--	90	5.1	1	N	7
MDR015	2	4	3	1	1	--	80	2.6	<1	N	7
MDR016	2	4	3	1	1	--	115	2.0	<1	N	7
MDR017	2	3	2	1	1	--	95	2.5	<1	N	7
MDR018	2	3	2	1	1	--	100	3.1	1	N	7
MDR019	2	3	2	1	1	--	100	1.7	<1	N	7
MDR020	2	3	3	1	1	--	85	1.8	<1	N	6
MDR021	2	3	3	1	1	--	65	2.4	<1	N	7
MDR022	2	3	3	1	1	--	68	2.3	<1	N	7
MDR023	2	1	3	1	1	--	62	1.4	1	N	7
MDR024	2	1	3	1	1	--	45	2.5	<1	N	7
MDR025	2	3	3	1	1	--	64	2.6	<1	N	7
MDR026	2	3	3	1	1	--	65	2.8	1	N	7
MDR027	2	3	2	1	1	--	90	3.1	<1	N	7
MDR028	3	4	3	1	1	--	90	4.1	<1	N	7
MDR029	2	1	2	1	1	--	90	1.8	<1	N	7
MDR030	2	1	2	1	1	--	88	1.1	1	N	7
MDR031	2	3	2	1	1	--	85	2.3	<1	N	7
MDR032	3	4	3	1	1	--	70	5.5	1	N	7
MDR033	2	3	2	1	1	--	75	2.8	<1	N	7
MDR034	2	3	2	1	1	--	88	2.2	<1	N	7
MDR035	2	3	2	1	1	--	105	2.3	1	N	7
MDR036	2	3	2	1	1	--	100	2.1	<1	N	7
MDR037	2	1	2	1	1	--	86	1.9	<1	N	7
MDR038	2	3	2	1	1	--	96	1.8	<1	N	7
MDR039	3	3	2	1	1	--	86	5.8	<1	N	7
MDR040	3	4	3	1	1	--	88	6.7	<1	N	7
MDR041	2	3	2	1	1	--	82	5.2	<1	N	7
MDR042	2	3	2	1	1	--	82	5.1	<1	N	7
MDR043	2	1	3	1	1	--	105	3.3	1	N	7
MDR044	2	3	2	1	1	--	70	3.3	<1	N	7
MDR045	2	1	2	1	1	--	95	5.1	<1	N	6

Appendix b-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	STR CHAN	VLG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR046	2	3	2	1	1	--	85	2.7	<1	N	6
MDR047	2	3	2	1	1	--	70	2.0	<1	N	7
MDR048	2	3	2	1	1	--	70	3.3	<1	N	7
MDR049	2	3	2	1	1	--	70	2.9	<1	N	7
MDR050	2	3	3	1	1	--	65	2.7	1	N	6
MDR051	2	3	2	1	1	--	70	3.5	<1	N	7
MDR052	2	3	2	1	1	--	78	2.5	<1	N	7
MDR053	2	3	2	1	1	--	44	1.7	<1	N	6
MDR054	2	3	2	1	1	--	56	3.4	<1	N	6
MDR055	2	3	2	1	1	--	66	3.0	<1	N	7
MDR056	2	3	2	1	1	--	70	2.7	<1	N	7
MDR057	2	4	2	3	1	--	130	2.9	<1	N	7
MDR058	2	3	3	1	1	--	62	2.6	<1	N	7
MDR059	2	3	2	1	1	--	68	3.9	<1	N	7
MDR060	2	1	2	1	1	--	70	3.1	<1	N	7
MDR061	2	3	3	1	1	--	85	2.4	1	N	7
MDR062	2	3	2	1	1	--	55	2.2	<1	N	6
MDR063	2	3	2	1	1	--	45	2.2	<1	N	6
MDR064	2	1	3	1	1	--	76	2.8	<1	N	7
MDR065	2	1	2	1	1	--	68	2.7	<1	N	7
MDR066	2	1	2	1	1	--	98	1.4	2	N	6
MDR067	2	3	2	1	1	--	64	3.0	<1	N	7
MDR068	2	3	2	1	1	--	125	3.2	<1	N	7
MDR069	2	3	2	1	1	--	90	2.2	1	N	7
MDR070	2	3	2	3	1	--	54	2.4	<1	N	6
MDR071	3	4	3	1	1	--	72	3.5	<1	N	6
MDR072	2	3	2	1	1	--	70	2.4	<1	N	7
MDR073	3	3	2	1	1	--	66	3.9	<1	N	7
MDR074	2	3	2	3	1	--	45	2.2	<1	N	6
MDR075	2	3	3	1	1	--	62	2.9	1	N	4
MDR076	2	7	1	1	1	--	62	2.1	2	N	7
MDR077	2	7	1	1	1	--	68	4.1	1	N	6
MDR078	2	7	1	1	1	--	68	4.5	<1	N	7
MDR079	2	7	1	1	1	--	65	2.9	2	N	7
MDR080	3	4	3	1	1	--	72	4.4	<1	N	7
MDR081	3	4	3	1	1	--	95	3.8	1	N	7
MDR082	3	7	1	1	1	--	72	4.1	2	N	7
MDR083	2	3	2	1	1	--	90	4.4	2	N	7
MDR084	2	3	3	1	1	--	110	5.1	2	N	7
MDR085	2	7	1	1	1	--	75	4.3	<1	N	7
MDR086	2	3	2	3	1	--	70	4.5	1	N	7
MDR087	3	4	3	1	1	--	70	5.5	<1	N	6
MDR088	2	3	3	3	1	--	75	5.5	<1	N	7
MDR089	2	3	3	3	1	--	75	4.4	1	N	5
MDR090	2	1	3	3	1	--	75	4.4	1	N	6

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR091	3	1	2	3	1	--	85	6.6	1	N	7
MDR092	3	3	3	3	1	--	100	3.8	2	N	7
MDR093	2	1	3	3	1	--	85	5.2	1	N	5
MDR094	3	4	3	3	1	--	65	9.2	1	N	7
MDR095	1	1	4	3	1	--	55	3.2	2	N	7
MDR096	3	4	3	3	1	--	45	10.4	<1	N	7
MDR097	3	1	3	1	1	--	50	6.3	<1	N	7
MDR098	2	1	3	3	1	--	45	4.8	<1	N	7
MDR099	3	1	3	1	1	--	45	6.7	1	N	6
MDR100	3	3	3	1	1	--	40	7.2	<1	N	7
MDR101	1	3	3	1	1	--	50	3.2	1	N	7
MDR102	1	3	3	1	1	--	68	3.8	<1	N	7
MDR103	1	3	3	1	1	--	90	2.6	<1	N	7
MDR104	1	3	3	1	1	--	90	2.1	1	N	7
MDR105	1	3	3	3	1	--	80	2.4	<1	N	7
MDR106	1	3	3	1	1	--	125	2.3	<1	N	7
MDR107	1	3	3	3	1	--	98	2.7	<1	N	7
MDR108	1	3	3	3	1	--	125	1.7	<1	N	7
MDR109	1	3	3	3	1	--	125	2.0	<1	N	7
MDR110	1	3	3	1	1	--	100	2.3	<1	N	7
MDR111	1	3	3	1	1	--	125	2.3	<1	N	7
MDR112	1	3	3	1	1	--	90	1.9	<1	N	7
MDR113	3	3	3	1	1	--	85	5.0	<1	N	7
MDR114	1	3	3	1	1	--	60	6.5	<1	N	7
MDR115	1	3	3	1	1	--	57	6.3	1	N	7
MDR116	1	3	3	1	1	--	55	4.5	<1	N	7
MDR117	1	3	3	1	1	--	49	2.4	<1	N	7
MDR118	1	3	3	1	1	--	95	6.4	1	N	7
MDR119	1	3	3	1	1	--	78	2.9	1	N	7
MDR120	1	3	3	1	1	--	60	5.8	1	N	7
MDR121	1	3	3	3	1	--	62	5.0	1	N	7
MDR122	1	3	3	1	1	--	78	2.7	<1	N	7
MDR123	1	3	3	1	1	--	50	3.4	<1	N	7
MDR124	1	3	3	1	1	--	50	4.3	<1	N	7
MDR125	1	3	3	1	1	--	80	2.3	<1	N	7
MDR126	1	3	3	1	1	--	70	2.3	<1	N	7
MDR127	1	3	3	1	1	--	90	.8	<1	N	7
MDR128	1	3	3	1	1	--	65	1.4	<1	N	6
MDR129	3	4	3	1	1	--	105	1.4	<1	N	6
MDR130	3	3	3	1	1	--	84	4.2	<1	N	7
MDR131	1	3	3	1	1	--	60	2.9	1	N	7
MDR132	1	3	3	1	1	--	84	2.8	<1	N	7
MDR133	1	3	3	1	1	--	84	2.3	1	N	7
MDR134	1	3	3	1	1	--	94	4.4	<1	N	7
MDR135	1	3	3	3	1	--	65	3.6	<1	N	7

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR136	1	3	3	3	1	--	90	3.8	<1	N	7
MDR137	1	3	3	1	1	--	55	1.2	1	N	7
MDR138	1	3	3	1	1	--	120	3.3	1	N	6
MDR139	1	3	3	1	1	--	80	2.5	1	N	6
MDR140	1	3	3	1	1	--	58	2.6	<1	N	7
MDR141	1	3	3	3	1	--	50	3.2	<1	N	7
MDR142	1	3	3	1	1	--	60	2.6	<1	N	6
MDR143	1	3	3	1	1	--	65	1.8	1	N	6
MDR144	1	3	3	3	1	--	60	1.8	1	N	7
MDR145	1	3	3	1	1	--	66	2.9	<1	N	7
MDR146	3	3	3	1	1	--	82	4.0	<1	N	7
MDR147	1	3	3	1	1	--	120	3.9	<1	N	7
MDR148	1	3	3	1	1	--	70	2.3	<1	N	5
MDR149	1	3	3	1	1	--	70	2.0	<1	N	7
MDR150	1	3	3	1	1	--	110	3.2	1	N	6
MDR151	2	3	3	1	1	--	45	5.2	<1	N	7
MDR152	3	3	3	1	1	--	40	9.8	<1	N	6
MDR153	3	1	3	1	1	--	42	6.0	1	N	7
MDR154	3	3	3	1	5	--	50	7.6	<1	N	7
MDR155	3	3	3	1	1	--	52	7.0	<1	N	7
MDR156	2	1	3	3	1	--	70	3.9	1	N	7
MDR157	2	1	4	1	1	--	50	5.4	2	N	7
MDR158	2	1	4	3	1	--	65	5.8	2	N	7
MDR159	2	1	4	1	1	--	60	4.0	<1	N	7
MDR160	2	1	2	3	1	--	50	2.9	1	N	7
MDR161	3	1	2	1	1	--	50	6.1	<1	N	7
MDR162	3	1	3	3	1	--	35	2.9	2	N	7
MDR163	3	3	3	3	1	--	40	8.8	<1	N	7
MDR164	2	3	4	1	1	--	45	3.9	<1	N	7
MDR165	3	1	3	3	1	--	32	5.6	<1	N	7
MDR166	3	3	4	1	1	--	50	9.5	<1	N	7
MDR167	3	3	4	3	1	--	40	6.5	<1	N	7
MDR168	3	1	2	3	1	--	42	7.9	<1	N	7
MDR169	2	3	2	3	1	--	45	4.0	<1	N	7
MDR170	3	1	3	3	1	--	40	4.5	<1	N	7
MDR171	3	1	3	1	1	--	52	5.5	<1	N	7
MDR172	3	3	3	1	1	--	42	3.2	<1	N	7
MDR173	3	3	2	3	1	--	65	5.9	1	N	7
MDR174	3	4	3	3	1	--	65	7.2	1	N	7
MDR175	3	1	2	3	1	--	80	6.4	<1	N	7
MDR176	3	3	3	3	1	--	74	5.7	<1	N	7
MDR177	3	3	3	1	1	--	90	7.0	<1	N	7
MDR178	2	3	3	1	1	--	15	3.1	<1	N	6
MDR179	3	3	3	1	1	--	70	6.4	<1	N	6
MDR180	3	3	3	1	1	--	79	3.2	<1	N	7

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR181	2	3	3	1	1	--	80	3.2	<1	N	7
MDR182	2	3	3	1	1	--	72	3.8	<1	N	7
MDR183	2	3	3	1	1	--	70	3.1	<1	N	7
MDR184	1	3	3	9	1	--	58	4.3	<1	N	6
MDR185	1	3	3	9	1	--	58	4.5	<1	N	7
MDR186	1	3	3	1	1	--	60	2.4	<1	N	7
MDR187	1	3	3	1	1	--	60	3.8	<1	N	7
MDR188	1	3	3	1	1	--	85	3.0	<1	N	6
MDR189	1	3	3	1	1	--	72	2.5	<1	N	7
MDR190	1	3	3	1	1	--	60	2.8	<1	N	7
MDR191	1	3	3	1	1	--	75	2.3	<1	N	7
MDR192	1	3	3	1	1	--	65	2.6	<1	N	7
MDR193	3	3	3	1	1	--	75	6.4	<1	N	7
MDR194	1	3	3	1	1	--	65	1.3	1	N	6
MDR195	1	3	3	1	1	--	54	1.8	<1	N	7
MDR196	1	3	3	1	1	--	70	3.8	<1	N	7
MDR197	1	3	3	1	1	--	55	3.4	1	N	7
MDR198	1	3	3	3	1	--	55	3.2	<1	N	7
MDR199	1	3	3	3	1	--	65	4.5	<1	N	7
MDR200	1	3	3	3	1	--	55	1.5	<1	N	5
MDR201	1	3	3	3	1	--	55	1.7	<1	N	7
MDR202	1	3	3	3	1	--	72	2.5	<1	N	7
MDR203	1	3	3	1	1	--	52	2.7	<1	N	7
MDR204	1	3	3	3	1	--	55	3.4	<1	N	7
MDR205	1	3	3	1	1	--	50	2.0	<1	N	6
MDR206	1	3	3	1	1	--	70	2.0	<1	N	7
MDR207	1	3	3	1	1	--	60	3.0	<1	N	7
MDR208	1	3	3	1	1	--	64	3.1	<1	N	7
MDR209	2	3	3	1	1	--	75	4.9	1	N	7
MDR210	2	3	3	1	1	--	74	4.4	<1	N	7
MDR211	1	3	3	1	1	--	80	3.0	<1	N	5
MDR212	3	3	3	1	1	--	88	6.0	<1	N	6
MDR213	1	3	3	1	1	--	72	2.8	<1	N	7
MDR214	3	3	3	1	1	--	98	3.8	1	N	7
MDR215	3	3	3	3	1	--	100	5.8	2	N	7
MDR216	1	3	3	1	1	--	110	6.1	<1	N	7
MDR217	1	3	3	1	1	--	86	2.3	4	N	5
MDR218	1	3	3	1	1	--	86	3.7	<1	N	7
MDR219	1	3	3	1	1	--	90	4.4	<1	N	6
MDR220	1	3	3	1	1	--	78	3.7	2	N	7
MDR221	1	3	3	3	1	--	70	2.3	2	N	7
MDR222	1	3	3	1	1	--	86	4.3	<1	N	7
MDR223	1	3	3	1	1	--	80	3.5	3	N	7
MDR224	1	3	3	1	1	--	70	3.3	<1	N	7
MDR225	1	3	3	1	1	--	71	3.6	2	N	6

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR226	1	3	3	1	1	--	55	2.1	<1	N	7
MDR227	3	3	3	3	1	--	83	4.1	<1	N	7
MDR228	1	3	3	3	1	--	100	3.2	<1	N	6
MDR229	1	3	3	1	1	--	65	2.1	1	N	7
MDR230	1	3	3	3	1	--	60	3.1	1	N	6
MDR231	1	3	3	3	1	--	60	4.5	1	N	7
MDR232	1	3	3	1	1	--	75	1.7	1	N	7
MDR233	1	3	3	1	1	--	50	3.4	<1	N	7
MDR234	1	3	3	3	1	--	55	4.6	<1	N	7
MDR235	1	3	3	1	1	--	50	2.2	<1	N	7
MDR236	1	3	3	1	1	--	55	4.1	<1	N	7
MDR237	3	3	3	3	1	--	68	4.9	<1	N	7
MDR238	3	3	3	1	1	--	80	3.8	<1	N	6
MDR239	2	3	3	1	1	--	95	1.6	<1	N	7
MDR240	3	3	3	1	1	--	88	4.4	<1	N	7
MDR241	1	3	3	1	1	--	98	4.6	<1	N	7
MDR242	1	3	3	1	1	--	100	3.9	1	N	7
MDR243	3	3	3	1	1	--	98	8.8	1	N	7
MDR244	3	3	3	1	1	--	88	4.8	1	N	7
MDR245	2	3	3	1	1	--	72	6.2	<1	N	6
MDR246	3	3	3	1	1	--	100	5.4	<1	N	6
MDR247	3	3	3	1	1	--	80	7.9	<1	N	7
MDR248	3	3	3	1	1	--	90	6.9	<1	N	7
MDR249	1	3	3	1	1	--	90	3.3	<1	N	7
MDR250	3	4	3	1	1	--	88	5.4	<1	N	6
MDR251	1	3	3	1	1	--	105	2.1	<1	N	7
MDR252	1	3	3	3	1	--	110	3.2	<1	N	7
MDR253	1	3	3	1	1	--	75	5.4	<1	N	6
MDR254	1	3	3	1	1	--	75	4.8	<1	N	7
MDR255	1	3	3	1	1	--	55	3.4	<1	N	7
MDR256	1	3	3	3	1	--	95	4.3	<1	N	6
MDR257	1	3	3	3	1	--	68	4.6	1	N	7
MDR258	1	3	3	3	1	--	56	5.1	2	N	7
MDR259	1	3	3	3	1	--	50	4.5	2	N	6
MDR260	1	3	3	3	1	--	60	4.3	<1	N	7
MDR261	1	3	3	3	1	--	52	2.3	1	N	6
MDR262	3	3	3	3	1	--	70	4.6	<1	N	6
MDR263	3	3	3	3	1	--	70	6.7	<1	N	7
MDR264	1	3	3	3	1	--	55	2.9	<1	N	7
MDR265	1	3	3	3	1	--	78	4.5	<1	N	7
MDR266	3	3	3	3	1	--	74	4.3	<1	N	7
MDR267	3	3	3	3	1	--	75	5.0	<1	N	7
MDR268	1	3	3	3	1	--	70	2.2	1	N	7
MDR269	1	3	3	1	1	--	50	2.2	<1	N	7
MDR270	1	3	3	1	1	--	52	2.0	<1	N	7

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR271	1	3	3	1	1	--	52	2.4	1	N	7
MDR272	1	3	3	1	1	--	80	3.5	<1	N	7
MDR273	1	3	3	1	1	--	60	2.3	<1	N	7
MDR274	3	3	3	3	1	--	80	5.1	<1	N	7
MDR275	1	3	3	1	1	--	40	3.5	<1	N	5
MDR276	1	3	3	3	1	--	70	4.1	<1	N	6
MDR277	1	3	3	3	1	--	80	4.1	1	N	7
MDR278	1	3	3	3	1	--	100	2.0	2	N	6
MDR279	1	3	3	3	1	--	100	2.2	1	N	6
MDR280	1	3	3	3	1	--	105	2.2	<1	N	7
MDR281	1	3	3	3	1	--	100	3.0	<1	N	7
MDR282	1	3	3	3	1	--	100	2.8	<1	N	7
MDR283	1	3	3	3	1	--	110	3.0	2	N	7
MDR284	1	3	3	3	1	--	100	1.7	<1	N	7
MDR285	1	3	3	3	1	--	100	2.2	1	N	6
MDR286	1	3	3	3	1	--	120	3.5	2	N	7
MDR287	1	3	3	3	1	--	100	1.7	<1	N	7
MDR288	1	3	3	3	1	--	100	2.7	2	N	7
MDR289	1	3	3	3	1	--	120	3.0	3	N	7
MDR290	1	3	3	3	1	--	130	2.9	2	N	7
MDR291	1	3	3	1	1	--	76	2.1	<1	N	7
MDR292	1	3	3	1	1	--	90	2.1	<1	N	7
MDR293	1	3	3	1	1	--	70	2.3	<1	N	7
MDR294	1	3	3	1	1	--	78	4.1	<1	N	7
MDR295	1	3	3	1	1	--	78	2.6	<1	N	7
MDR296	1	3	3	1	1	--	70	2.3	<1	N	6
MDR297	1	3	3	1	1	--	68	2.3	<1	N	7
MDR298	1	3	3	1	1	--	68	2.1	<1	N	7
MDR299	1	3	3	1	1	--	80	2.2	<1	N	7
MDR300	1	3	3	1	1	--	80	2.4	<1	N	7
MDR301	1	3	3	3	1	--	70	5.8	<1	N	7
MDR302	1	3	3	3	1	--	110	2.3	<1	N	7
MDR303	1	3	3	3	1	--	110	2.8	<1	N	7
MDR304	1	3	3	3	1	--	70	5.2	<1	N	7
MDR305	1	3	3	1	1	--	90	3.3	<1	N	7
MDR306	1	3	3	3	1	--	50	2.6	<1	N	7
MDR307	1	3	3	1	1	--	45	1.8	<1	N	7
MDR308	1	3	3	9	1	--	80	2.7	<1	N	7
MDR309	1	3	3	9	1	--	120	2.7	<1	N	7
MDR310	1	3	3	9	1	--	75	2.2	<1	N	7
MDR311	1	3	3	9	1	--	76	3.5	<1	N	7
MDR312	1	3	3	9	1	--	140	4.1	<1	N	7
MDR313	1	3	3	3	1	--	92	5.1	<1	N	7
MDR314	2	3	3	1	1	--	116	3.4	<1	N	7
MDR315	1	3	3	1	1	--	74	2.9	<1	N	7

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR316	2	3	3	1	1	--	68	3.6	<1	N	7
MDR317	3	3	3	3	1	--	124	3.6	1	N	7
MDR318	1	3	3	3	1	--	142	3.3	2	N	7
MDR319	1	3	3	9	1	--	170	1.8	<1	N	6
MDR320	2	3	3	9	1	--	82	2.2	1	N	7
MDR321	2	3	3	3	1	--	68	3.2	<1	N	7
MDR322	1	3	3	1	1	--	100	2.3	<1	N	7
MDR323	3	3	3	1	1	--	145	7.8	<1	N	7
MDR324	1	3	3	1	1	7.80	100	4.7	<1	N	7
MDR325	1	3	3	1	1	--	125	5.3	<1	N	7
MDR326	1	3	3	1	1	--	90	3.4	<1	N	7
MDR327	1	3	3	1	1	--	150	4.3	<1	N	7
MDR328	3	3	3	9	1	--	128	4.3	1	N	7
MDR329	3	3	3	3	1	--	120	4.2	2	N	7
MDR330	3	3	3	3	1	--	110	3.9	1	N	7
MDR331	1	3	3	1	1	--	85	1.5	<1	N	7
MDR332	1	3	3	1	1	8.45	85	2.1	<1	N	7
MDR333	3	3	3	3	1	--	58	3.8	<1	N	7
MDR334	1	3	3	3	1	--	110	3.8	<1	N	7
MDR335	1	3	3	3	1	--	120	2.3	<1	N	7
MDR336	1	3	3	3	1	--	96	2.1	<1	N	7
MDR337	1	3	3	3	1	--	120	2.5	<1	N	7
MDR338	1	3	3	3	1	--	100	3.0	<1	N	7
MDR339	3	3	3	3	1	--	94	5.3	<1	N	7
MDR340	1	3	3	3	1	--	110	2.8	<1	N	7
MDR341	1	3	3	3	1	--	138	2.0	<1	N	7
MDR342	1	3	3	3	1	--	138	1.9	<1	N	7
MDR343	3	3	3	3	1	--	115	7.7	1	N	6
MDR344	1	3	3	3	1	--	120	3.4	<1	N	7
MDR345	3	3	3	1	1	--	110	3.7	1	N	6
MDR346	1	3	3	3	1	--	150	2.4	<1	N	7
MDR347	1	3	3	3	1	--	125	2.8	<1	N	7
MDR348	1	3	3	3	1	--	140	4.6	<1	N	7
MDR349	1	3	3	3	1	--	85	2.3	<1	N	7
MDR350	1	3	3	3	1	--	80	2.9	<1	N	6
MDR351	3	3	3	3	1	--	90	5.1	<1	N	7
MDR352	1	3	3	3	1	--	125	4.5	1	N	7
MDR353	1	3	3	3	1	--	145	3.1	<1	N	7
MDR354	1	3	3	3	1	--	105	4.5	<1	N	6
MDR355	1	3	3	1	1	--	115	2.5	<1	N	6
MDR356	1	3	3	1	1	--	90	2.9	<1	N	6
MDR357	1	3	3	1	1	--	85	1.6	<1	N	7
MDR358	1	3	3	1	1	--	80	3.4	1	N	6
MDR359	1	3	3	1	1	--	90	2.4	<1	N	7
MDR360	1	3	3	1	1	--	80	2.7	<1	N	7

Appendix H-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR361	1	3	3	1	1	--	115	2.7	<1	N	6
MDR362	1	3	3	1	1	--	90	2.1	<1	N	6
MDR363	1	3	3	1	1	--	95	2.6	<1	N	6
MDR364	1	3	3	1	1	--	105	1.6	<1	N	7
MDR365	1	3	3	1	1	--	135	3.7	<1	N	7
MDR366	1	3	3	1	1	--	150	2.5	1	N	6
MDR367	1	3	3	1	1	--	90	1.6	<1	N	7
MDR368	2	3	3	1	1	--	100	2.5	<1	N	7
MDR369	2	3	3	3	1	--	110	2.5	<1	N	7
MDR370	2	3	3	3	1	--	115	2.6	<1	N	6
MDR371	2	3	3	9	1	--	110	2.4	<1	N	7
MDR372	2	3	3	1	1	--	100	2.0	<1	N	7
MDR373	1	3	3	3	1	--	110	1.6	<1	N	7
MDR374	1	3	3	3	1	--	120	1.9	1	N	7
MDR375	1	3	3	9	1	--	140	1.9	1	N	7
MDR376	2	3	3	9	1	--	140	3.6	<1	N	7
MDR377	1	3	3	1	1	--	135	2.7	<1	N	6
MDR378	1	3	3	1	1	--	115	3.3	<1	N	7
MDR379	1	3	3	1	1	--	95	2.4	<1	N	7
MDR380	1	3	3	1	1	--	110	3.4	<1	N	7
MDR381	1	3	3	1	1	--	110	3.4	<1	N	7
MDR382	1	4	3	1	1	--	50	1.4	<1	N	6
MDR383	1	3	3	1	1	--	30	1.7	<1	N	7
MDR384	1	3	3	1	1	--	35	1.9	<1	N	7
MDR385	2	3	3	1	1	--	36	1.5	<1	N	7
MDR386	1	3	3	1	1	--	35	1.6	<1	N	7
MDR387	1	3	3	1	1	--	36	1.7	<1	N	6
MDR388	1	3	3	1	1	--	40	1.3	<1	N	6
MDR389	1	3	3	3	1	--	40	1.1	<1	N	6
MDR390	1	3	3	3	1	--	45	1.3	<1	N	6
MDR391	1	3	3	3	1	--	40	1.8	<1	N	7
MDR392	1	3	3	3	1	--	50	1.8	<1	N	7
MDR393	1	3	3	1	1	--	40	2.1	<1	N	6
MDR394	1	3	3	3	1	--	35	1.8	<1	N	7
MDR395	1	3	3	3	1	--	35	1.1	1	N	7
MDR396	1	3	3	3	1	--	33	.9	<1	N	5
MDR397	1	3	3	3	1	--	40	1.7	<1	N	6
MDR398	1	3	3	9	1	--	83	1.6	<1	N	6
MDR399	1	3	3	3	1	--	40	1.4	<1	N	6
MDR400	1	3	3	3	1	--	30	1.5	<1	N	6
MDR401	1	3	3	3	1	--	50	2.1	<1	N	7
MDR402	3	3	3	3	1	--	60	6.4	<1	N	6
MDR403	3	3	3	1	1	--	65	3.6	<1	N	6
MDR404	2	3	3	3	1	--	60	3.7	<1	N	7
MDR405	3	3	3	3	1	--	58	3.3	<1	N	7

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR406	2	1	3	1	1	--	50	3.1	<1	N	6
MDR407	2	1	3	1	1	--	36	2.9	<1	N	7
MDR408	2	3	3	1	1	--	30	3.0	<1	N	7
MDR409	2	1	3	1	1	--	40	2.8	<1	N	6
MDR410	1	3	3	1	1	--	34	3.5	<1	N	7
MDR411	1	1	3	1	1	--	35	1.6	<1	N	6
MDR412	1	1	3	1	1	--	40	1.4	<1	N	5
MDR413	2	3	3	1	1	--	60	2.7	<1	N	6
MDR414	2	3	3	1	1	--	55	2.3	<1	N	6
MDR415	2	3	3	1	1	--	42	3.7	<1	N	6
MDR416	3	3	3	1	1	--	85	4.1	<1	N	7
MDR417	3	4	2	3	1	--	55	6.3	<1	N	7
MDR418	3	4	2	3	1	7.45	40	11.8	<1	N	2
MDR419	3	3	2	3	1	--	40	4.4	<1	N	4
MDR420	3	3	3	3	1	--	25	6.6	<1	N	2
MDR421	1	3	2	3	1	--	30	3.1	<1	N	5
MDR422	3	3	3	3	1	--	35	4.0	<1	N	4
MDR423	3	3	3	3	1	--	25	5.7	<1	N	3
MDR424	3	3	3	3	1	--	45	4.3	<1	N	7
MDR425	3	4	4	3	1	--	30	4.5	<1	N	5
MDR426	2	3	3	1	1	--	85	3.0	1	N	7
MDR427	2	3	3	1	1	--	90	2.0	<1	N	7
MDR428	2	3	3	1	1	--	80	3.3	<1	N	7
MDR429	2	3	3	1	1	--	80	3.1	<1	N	7
MDR430	2	3	3	1	1	--	95	1.8	<1	N	7
MDR431	2	3	3	1	1	--	120	2.2	<1	N	7
MDR432	1	3	3	1	1	--	90	3.0	<1	N	6
MDR433	1	3	3	1	1	--	90	2.8	<1	N	7
MDR434	2	3	3	1	1	--	90	2.1	<1	N	7
MDR435	1	3	3	3	1	--	75	3.3	<1	N	6
MDR436	1	3	3	1	1	--	88	2.5	<1	N	7
MDR437	2	3	3	1	5	--	84	2.7	<1	N	7
MDR438	2	3	3	1	5	--	80	2.4	<1	N	7
MDR439	2	3	3	3	5	--	94	2.1	<1	N	7
MDR440	2	3	3	3	5	--	90	3.1	<1	N	7
MDR441	2	3	3	1	5	--	84	1.5	<1	N	7
MDR442	2	3	3	1	5	--	76	2.1	1	N	7
MDR443	2	3	3	1	5	--	100	2.3	<1	N	7
MDR444	2	3	3	1	5	--	82	3.3	<1	N	7
MDR445	2	3	3	3	5	--	56	3.1	<1	N	7
MDR446	1	3	3	3	5	--	52	2.3	<1	N	7
MDR447	2	3	3	3	5	--	66	3.5	<1	N	6
MDR448	2	3	3	3	5	--	80	3.2	<1	N	7
MDR449	2	3	3	3	1	--	84	2.2	<1	N	7
MDR450	2	3	3	3	1	--	84	2.9	<1	N	7

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR451	2	3	3	3	1	--	80	3.7	<1	N	6
MDR452	2	3	3	3	1	--	90	2.2	<1	N	7
MDR453	2	3	3	3	1	--	90	2.7	<1	N	7
MDR454	2	3	3	3	1	--	90	2.9	<1	N	7
MDR455	2	3	3	3	1	--	78	2.7	<1	N	5
MDR456	1	3	3	1	1	--	75	2.5	<1	N	6
MDR457	2	3	3	3	1	--	85	2.9	<1	N	7
MDR458	2	3	3	3	1	--	50	2.9	<1	N	7
MDR459	2	3	3	1	1	--	45	2.2	<1	N	7
MDR460	2	3	3	3	1	--	43	3.7	<1	N	6
MDR461	1	3	3	3	1	--	70	3.5	<1	N	7
MDR462	2	3	3	3	1	--	54	2.1	<1	N	7
MDR463	1	3	3	3	1	--	80	2.1	<1	N	7
MDR464	2	3	3	3	1	--	60	2.6	<1	N	6
MDR465	1	3	3	3	1	--	48	1.8	<1	N	7
MDR466	2	3	3	3	1	--	125	2.7	<1	N	7
MDR467	2	3	3	1	1	--	140	2.3	<1	N	6
MDR468	3	3	3	3	1	--	68	3.8	<1	N	7
MDR469	3	3	3	3	1	--	67	6.1	9	N	7
MDR470	1	3	3	3	1	--	52	1.3	<1	N	7
MDR471	1	3	3	3	1	--	50	1.3	<1	N	7
MDR472	2	3	3	1	1	--	65	1.1	<1	N	7
MDR473	2	3	3	3	1	--	50	1.5	<1	N	7
MDR474	2	3	3	3	1	--	46	2.6	<1	N	6
MDR475	1	3	3	1	1	--	50	2.8	<1	N	7
MDR476	2	3	3	1	1	--	61	1.8	<1	N	7
MDR477	2	3	3	1	1	--	60	1.9	<1	N	6
MDR478	2	3	3	3	1	--	55	1.5	<1	N	7
MDR479	2	3	3	1	1	--	40	3.3	<1	N	6
MDR480	2	3	3	1	1	--	48	4.0	<1	N	5
MDR481	2	3	3	1	1	--	35	1.4	<1	N	6
MDR482	2	3	3	1	1	--	52	3.5	<1	N	5
MDR483	1	4	4	1	1	--	52	2.6	<1	N	7
MDR484	3	3	2	1	1	--	54	2.1	<1	N	7
MDR485	3	3	2	1	1	--	68	2.4	<1	N	7
MDR486	2	3	2	1	1	--	63	5.1	<1	N	6
MDR487	1	3	2	3	1	--	58	1.6	<1	N	7
MDR488	2	3	2	3	1	--	80	3.1	<1	N	7
MDR489	1	3	2	1	1	--	68	3.3	<1	N	7
MDR490	3	3	2	3	1	--	59	3.9	<1	N	6
MDR491	2	3	2	3	1	--	65	1.6	<1	N	7
MDR492	3	3	3	1	1	--	58	2.1	<1	N	7
MDR493	3	3	2	1	1	--	62	1.8	<1	N	7
MDR494	3	3	2	3	1	--	65	3.0	<1	N	6
MDR495	3	3	2	3	1	--	75	3.2	<1	N	6

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR496	1	3	2	3	1	--	78	2.3	<1	N	7
MDR497	1	3	2	3	1	--	76	3.6	<1	N	7
MDR498	1	3	2	3	1	--	70	2.9	<1	N	7
MDR499	1	3	3	3	1	--	80	3.2	<1	N	7
MDR500	3	4	3	3	1	--	70	5.8	<1	N	6
MDR776	1	3	3	1	1	--	115	3.3	<1	N	7
MDR777	1	3	3	3	1	--	75	6.7	<1	N	7
MDR778	1	3	3	3	1	--	66	4.1	<1	N	7
MDR779	1	3	3	1	1	--	58	3.4	<1	N	7
MDR780	1	3	3	1	1	--	56	6.0	<1	N	7
MDR781	3	3	3	1	1	--	65	5.3	1	N	7
MDR782	1	1	3	1	1	--	88	7.2	<1	N	7
MDR783	3	1	3	1	1	--	58	7.9	1	N	6
MDR784	3	1	2	3	1	--	78	8.0	<1	N	7
MDR785	3	1	3	1	1	--	120	5.4	<1	N	7
MDR786	3	1	3	1	1	--	70	9.2	<1	N	7
MDR787	3	1	3	1	1	--	64	7.4	<1	N	7
MDR788	3	1	3	1	1	--	90	8.2	<1	N	7
MDR789	1	1	3	1	1	--	130	7.0	<1	N	7
MDR790	3	1	3	1	1	--	76	8.9	<1	N	6
MDR791	3	3	3	3	1	--	72	10.9	<1	N	7
MDR792	3	3	3	1	1	--	58	6.5	<1	N	1
MDR793	3	3	3	1	1	--	78	9.7	<1	N	6
MDR794	1	1	3	3	1	--	53	5.6	<1	N	7
MDR795	1	1	3	1	1	--	65	3.5	<1	N	7
MDR796	1	1	3	1	1	--	64	6.5	<1	N	7
MDR797	1	1	3	3	5	--	70	7.6	<1	N	7
MDR798	3	1	3	3	5	--	80	6.9	2	N	7
MDR799	1	1	3	1	5	--	82	7.0	<1	N	6
MDR800	1	1	3	1	5	--	82	3.7	<1	N	7
MDR801	1	1	3	1	1	--	52	5.3	1	N	6
MDR802	1	1	3	1	1	--	68	2.7	<1	N	7
MDR803	3	1	3	3	1	--	70	7.2	1	N	7
MDR804	3	1	3	3	1	--	75	5.2	1	N	7
MDR805	3	1	2	3	1	--	75	6.3	1	N	7
MDR806	3	1	2	3	1	--	80	6.5	<1	N	7
MDR807	3	3	3	3	1	--	200	7.1	1	N	7
MDR808	2	1	3	3	1	--	200	3.9	<1	N	7
MDR809	3	1	2	3	1	--	175	2.4	<1	N	7
MDR810	2	1	3	1	1	--	165	3.5	<1	N	7
MDR811	2	1	3	1	1	--	155	3.3	<1	N	7
MDR812	3	1	2	3	1	--	145	3.3	<1	N	7
MDR813	2	1	3	1	1	--	110	1.7	<1	N	5
MDR814	2	1	3	1	1	--	120	2.1	<1	N	7
MDR815	2	1	3	1	1	--	120	3.2	<1	N	7

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR816	2	1	3	3	1	--	100	3.5	<1	N	7
MDR817	3	2	4	3	1	--	100	3.8	<1	N	7
MDR818	2	1	2	1	1	--	130	1.9	<1	N	7
MDR819	1	1	3	1	1	7.45	120	3.5	<1	N	7
MDR820	1	4	3	1	1	--	75	2.5	<1	N	7
MDR821	3	1	2	3	1	--	70	3.6	<1	N	7
MDR822	2	1	3	1	1	--	35	1.7	<1	N	6
MDR823	2	1	3	3	1	--	72	3.7	<1	N	7
MDR824	2	1	2	3	1	--	62	4.4	<1	N	6
MDR825	2	1	3	1	1	--	32	2.7	<1	N	7
MDR826	2	1	3	1	1	--	36	2.7	<1	N	7
MDR827	2	1	2	3	1	--	40	3.4	<1	N	6
MDR828	2	3	2	3	1	--	40	2.6	<1	N	7
MDR829	2	1	2	1	1	--	62	5.3	<1	N	7
MDR830	2	1	2	1	1	--	36	2.3	<1	N	7
MDR851	1	1	3	1	1	--	100	4.7	1	N	7
MDR852	1	1	3	1	1	--	98	4.3	1	N	7
MDR853	1	1	3	1	1	--	100	4.4	<1	N	7
MDR854	1	1	3	1	1	--	84	3.6	1	N	7
MDR855	1	1	3	1	1	--	84	4.0	1	N	7
MDR856	1	1	3	1	1	--	96	2.9	1	N	7
MDR857	2	1	4	1	1	--	125	4.2	2	N	7
MDR858	1	3	3	1	1	--	74	3.9	<1	N	7
MDR859	1	3	3	1	1	--	88	4.1	<1	N	7
MDR860	1	3	3	1	1	--	78	4.6	2	N	7
MDR861	1	3	2	1	1	--	81	3.4	<1	N	7
MDR862	1	3	3	1	1	--	85	3.2	1	N	7
MDR863	1	3	3	1	1	--	66	4.4	<1	N	7
MDR864	1	3	3	1	1	--	80	3.2	<1	N	6
MDR865	1	3	3	1	1	--	110	4.4	<1	N	7
MDR866	3	3	2	3	1	--	66	8.1	<1	N	7
MDR867	3	3	2	3	1	--	56	7.4	<1	N	6
MDR868	3	3	3	1	1	--	60	6.4	<1	N	7
MDR869	3	3	3	1	1	--	68	7.4	<1	N	7
MDR870	3	3	3	1	1	--	64	7.1	<1	N	7
MDR871	2	4	3	1	1	--	45	9.4	<1	N	7
MDR872	1	1	3	1	1	--	52	6.0	<1	N	7
MDR873	1	1	3	1	1	--	90	4.7	1	N	7
MDR874	1	1	3	1	1	--	90	2.4	<1	N	7
MDR875	1	3	3	1	1	--	80	6.9	1	N	7
MDR876	3	3	3	3	1	--	25	10.5	<1	N	2
MDR877	3	3	3	3	1	--	25	3.0	<1	N	5
MDR878	1	4	4	1	1	--	75	4.2	<1	N	6
MDR879	1	3	3	3	1	--	50	4.3	<1	N	7
MDR880	1	1	3	1	1	--	50	4.9	<1	N	5

Appendix b-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LOI	U PPM	TH PPM	AL %
MDR881	2	3	3	3	1	--	36	4.2	<1	N	7
MDR882	1	3	3	3	1	--	50	3.1	<1	N	6
MDR883	1	3	3	3	1	--	55	2.7	<1	N	5
MDR884	1	3	3	3	1	--	45	3.0	<1	N	6
MDR885	1	4	3	3	1	--	55	2.6	<1	N	7
MDR886	2	4	3	3	1	--	80	3.1	<1	N	6
MDR887	2	4	2	3	1	--	40	1.5	<1	N	6
MDR888	2	1	3	3	1	--	45	3.0	<1	N	7
MDR889	2	4	2	3	1	--	55	2.9	<1	N	7
MDR890	1	3	3	3	1	--	30	1.9	<1	N	7
MDR891	1	3	3	3	1	--	30	1.7	<1	N	7
MDR892	1	4	4	3	1	--	50	4.4	<1	N	6
MDR893	1	4	3	3	1	--	30	2.1	<1	N	5
MDR894	1	4	3	3	1	--	40	1.8	<1	N	6
MDR895	2	4	3	3	1	--	40	3.7	<1	N	6
MDR896	1	4	3	3	1	--	35	2.9	<1	N	6
MDR897	2	3	2	3	1	--	35	4.1	<1	N	6
MDR898	1	4	4	3	1	--	55	5.2	<1	N	7
MDR899	2	1	3	3	1	--	30	1.6	<1	N	7
MDR900	1	4	3	3	1	--	45	1.9	<1	N	6
MDR926	3	3	3	3	1	--	55	5.2	<1	N	7
MDR927	3	3	3	3	1	--	65	4.6	<1	N	7
MDR928	3	3	3	3	1	--	72	4.9	<1	N	6
MDR929	3	3	3	3	1	--	70	3.0	<1	N	7
MDR930	2	3	2	3	1	--	50	3.0	<1	N	7
MDR931	2	3	3	1	1	--	56	4.8	<1	N	5
MDR932	1	1	3	3	1	--	58	3.2	<1	N	7
MDR933	2	1	3	3	1	--	64	3.6	<1	N	6
MDR934	3	1	3	9	1	--	50	4.2	<1	N	6
MDR935	3	1	3	3	1	--	50	2.2	<1	N	5
MDR936	2	3	3	3	1	--	62	3.0	<1	N	7
MDR937	2	3	3	3	1	--	65	3.6	<1	N	7
MDR938	3	3	3	3	1	--	50	1.7	<1	N	7
MDR939	2	3	3	3	1	--	55	2.5	<1	N	7
MDR940	3	3	2	3	1	--	58	2.5	<1	N	7
MDR941	1	3	2	3	1	--	52	3.7	<1	N	7
MDR942	2	1	2	3	1	--	68	2.2	<1	N	7
MDR943	3	1	3	3	1	--	40	2.6	<1	N	6
MDR944	3	1	3	3	1	--	60	3.4	<1	N	7
MDR945	3	1	3	3	1	--	60	3.4	<1	N	7
MDR946	2	1	3	3	1	--	60	3.0	<1	N	7
MDR947	3	1	3	3	1	--	58	3.1	<1	N	7
MDR948	3	1	3	3	1	--	58	2.3	<1	N	7
MDR949	3	3	2	3	1	--	65	2.9	1	N	6
MDR950	2	1	2	3	1	7.65	67	2.3	<1	N	7

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	STR CHAN	VEG TYPE	VEG DENS	CONTAMN	WEATHER	PH	SCN CPS	LUI	U PPM	TH PPM	AL %
MDR951	1	3	3	3	1	--	40	2.8	<1	N	6
MDR952	1	4	3	3	1	--	45	3.9	<1	N	7
MDR953	1	4	2	3	1	--	50	4.2	<1	N	7
MDR954	1	4	2	3	1	--	50	4.0	<1	N	7
MDR955	1	4	2	3	1	--	55	4.1	<1	N	7
MDR956	3	1	3	3	1	--	50	3.4	<1	N	6
MDR957	2	3	3	3	1	--	50	2.4	<1	N	7
MDR958	2	4	3	3	1	--	50	2.2	<1	N	7
MDR959	2	4	3	3	1	--	65	1.8	<1	N	7
MDR960	2	1	3	3	1	--	20	2.7	<1	N	7
MDR961	2	1	3	3	1	--	20	3.8	<1	N	5
MDR962	2	1	2	3	1	--	35	2.7	<1	N	7
MDR963	2	3	3	3	1	--	30	2.3	<1	N	6
MDR964	2	3	3	3	1	--	25	3.0	<1	N	5
MDR965	2	3	3	3	1	--	25	3.2	<1	N	6
MDR966	2	3	3	3	1	--	30	3.7	<1	N	7
MDR967	2	3	3	3	1	--	40	2.9	<1	N	7
MDR968	2	3	3	3	1	--	35	2.2	<1	N	6
MDR969	2	4	3	3	1	--	45	2.3	<1	N	5
MDR970	1	4	3	3	1	--	40	3.7	<1	N	7
MDR971	2	1	4	3	1	--	55	4.2	<1	N	6
MDR972	2	3	3	3	1	--	35	6.1	<1	N	7
MDR973	2	1	2	3	1	--	30	5.7	<1	N	3
MDR974	2	1	3	3	1	--	30	2.2	<1	N	5
MDR975	2	1	3	3	1	--	30	2.4	<1	N	6
MDR976	1	3	2	3	1	--	74	2.3	<1	N	7
MDR977	1	1	2	3	1	--	80	3.7	<1	N	7
MDR978	1	1	2	3	1	--	74	2.1	<1	N	7
MDR979	2	3	2	3	1	--	62	4.6	<1	N	6
MDR980	3	1	2	3	1	--	66	3.2	<1	N	7
MDR981	3	1	2	3	1	--	70	4.1	<1	N	7
MDR982	5	1	2	3	1	--	70	2.5	<1	N	7
MDR990	1	4	2	3	1	--	50	3.6	<1	N	7
MDR991	1	4	3	3	1	--	35	2.4	<1	N	6
MDR992	1	3	3	3	1	--	40	2.2	<1	N	7
MDR993	1	3	3	3	1	--	55	4.7	<1	N	7
MDR994	1	4	3	3	1	--	50	1.9	<1	N	7
MDR995	1	4	3	3	1	--	50	2.1	<1	N	7
MDR996	1	4	3	3	1	--	50	3.7	<1	N	6

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR001	3.0	.7	2.0	1.5	.30	300	N	N	N	10	700
MDR002	3.0	.5	2.0	2.0	.30	300	N	N	N	10	700
MDR003	3.0	.5	1.0	2.0	.30	500	N	N	N	10	700
MDR004	3.0	.7	2.0	2.0	.30	500	N	N	N	20	1,000
MDR005	2.0	.7	2.0	1.5	.20	500	N	N	N	10	1,000
MDR006	3.0	.5	1.5	1.5	.30	500	N	N	N	10	1,000
MDR007	3.0	.5	1.0	1.5	.30	500	N	N	N	10	1,000
MDR008	3.0	.7	2.0	2.0	.30	500	N	N	N	10	1,000
MDR009	2.0	.7	1.5	1.5	.30	500	N	N	N	20	700
MDR010	5.0	.7	1.5	2.0	.50	500	N	N	N	20	700
MDR011	5.0	.7	1.5	2.0	.70	700	N	N	N	50	700
MDR012	5.0	.7	2.0	2.0	.50	700	N	N	N	20	1,000
MDR013	3.0	.7	1.5	3.0	.70	300	N	N	N	10	700
MDR014	2.0	.5	1.5	2.0	.30	300	N	N	N	20	700
MDR015	7.0	.7	1.5	3.0	.50	500	N	N	N	20	700
MDR016	5.0	.7	3.0	3.0	.30	500	N	N	N	20	700
MDR017	5.0	.7	2.0	1.5	.70	700	N	N	N	20	700
MDR018	5.0	1.0	2.0	2.0	.50	700	N	N	N	20	700
MDR019	3.0	.7	2.0	3.0	.50	300	N	N	N	20	1,000
MDR020	10.0	.7	1.0	1.5	.50	1,000	N	N	N	10	700
MDR021	5.0	.7	2.0	2.0	.50	700	N	N	N	20	700
MDR022	7.0	.7	1.5	2.0	.50	500	N	N	N	20	700
MDR023	5.0	1.0	2.0	2.0	.50	700	N	N	N	20	700
MDR024	5.0	1.0	2.0	3.0	.30	300	N	N	N	10	1,000
MDR025	5.0	.7	2.0	2.0	.50	700	N	N	N	20	700
MDR026	7.0	.7	2.0	3.0	.50	500	N	N	N	10	1,000
MDR027	5.0	.7	2.0	3.0	.30	500	N	N	N	10	700
MDR028	5.0	.7	3.0	1.5	.30	500	N	N	N	20	700
MDR029	3.0	1.0	2.0	3.0	.50	700	N	N	N	10	700
MDR030	5.0	.7	2.0	2.0	.50	1,000	N	N	N	10	700
MDR031	5.0	.7	1.5	3.0	.30	700	N	N	N	20	700
MDR032	3.0	.7	1.0	1.5	.30	300	N	N	N	10	1,000
MDR033	7.0	.7	2.0	2.0	.70	500	N	N	N	20	700
MDR034	3.0	.7	3.0	3.0	.50	500	N	N	N	10	1,000
MDR035	5.0	1.0	2.0	2.0	.30	700	N	N	N	20	1,000
MDR036	5.0	.7	1.5	2.0	.30	500	N	N	N	20	700
MDR037	5.0	.7	2.0	2.0	.30	500	N	N	N	20	1,000
MDR038	5.0	.7	2.0	2.0	.50	700	N	N	N	20	1,000
MDR039	3.0	.5	1.5	2.0	.30	700	N	N	N	20	1,000
MDR040	2.0	.5	1.0	1.0	.30	500	N	N	N	10	700
MDR041	7.0	.7	2.0	1.5	.70	700	N	N	N	20	700
MDR042	3.0	.7	2.0	1.5	.30	700	N	N	N	20	700
MDR043	5.0	.7	2.0	1.5	.50	700	N	N	N	20	700
MDR044	5.0	1.0	3.0	2.0	.50	700	N	N	N	20	700
MDR045	3.0	1.0	3.0	1.5	.30	500	N	N	N	20	700

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR046	5.0	.7	1.5	1.5	.30	700	N	N	N	20	700
MDR047	7.0	.7	1.5	2.0	.50	500	N	N	N	20	700
MDR048	3.0	.5	5.0	1.0	.30	200	N	N	N	10	700
MDR049	2.0	.7	2.0	1.0	.20	300	N	N	N	20	700
MDR050	5.0	.7	2.0	2.0	.30	500	N	N	N	20	700
MDR051	7.0	.7	1.5	2.0	.50	700	N	N	N	20	700
MDR052	3.0	.7	1.5	1.5	.30	300	N	N	N	10	700
MDR053	3.0	.7	7.0	1.0	.30	500	N	N	N	20	1,000
MDR054	3.0	.7	3.0	1.0	.30	300	N	N	N	10	500
MDR055	2.0	.7	2.0	1.0	.30	200	N	N	N	20	700
MDR056	3.0	.7	1.5	1.5	.30	300	N	N	N	20	700
MDR057	3.0	1.0	3.0	2.0	.50	500	N	N	N	10	700
MDR058	3.0	1.0	3.0	3.0	.30	500	N	N	N	10	700
MDR059	3.0	1.0	3.0	2.0	.50	500	N	N	N	10	700
MDR060	3.0	1.0	3.0	2.0	.30	500	N	N	N	10	700
MDR061	5.0	.7	1.5	2.0	.30	300	N	N	N	20	1,000
MDR062	5.0	1.0	3.0	1.5	.30	300	N	N	N	20	700
MDR063	2.0	1.0	15.0	1.0	.30	300	<.5	N	N	10	700
MDR064	3.0	.7	3.0	1.5	.30	500	N	N	N	10	1,000
MDR065	3.0	1.0	2.0	3.0	.50	300	N	N	N	10	1,000
MDR066	5.0	.7	3.0	2.0	.30	700	N	N	N	20	700
MDR067	2.0	.3	1.5	2.0	.30	100	N	N	N	10	1,000
MDR068	5.0	1.0	3.0	2.0	.50	500	N	N	N	10	1,000
MDR069	5.0	1.0	2.0	2.0	.50	700	N	N	N	20	700
MDR070	2.0	.7	2.0	1.0	.30	300	N	N	N	10	700
MDR071	2.0	.7	2.0	1.0	.30	360	N	N	N	20	700
MDR072	2.0	.5	1.5	1.0	.30	200	N	N	N	10	700
MDR073	2.0	.7	3.0	1.0	.30	200	N	N	N	10	700
MDR074	5.0	1.0	3.0	2.0	.50	300	N	N	N	50	700
MDR075	3.0	.5	1.5	1.0	.30	500	N	N	N	20	700
MDR076	5.0	.7	3.0	2.0	.30	500	N	N	N	10	700
MDR077	2.0	.5	2.0	1.0	.30	300	N	N	N	10	700
MDR078	3.0	.7	2.0	2.0	.50	300	N	N	N	10	1,000
MDR079	3.0	.7	3.0	1.5	.50	500	N	N	N	10	700
MDR080	2.0	.7	2.0	1.5	.50	500	N	N	N	20	700
MDR081	3.0	.5	1.0	2.0	.70	300	N	N	N	10	1,000
MDR082	3.0	.7	1.0	1.5	.30	300	N	N	N	10	1,500
MDR083	2.0	.5	.7	1.5	.30	200	N	N	N	10	1,000
MDR084	2.0	.5	1.0	1.0	.30	200	N	N	N	10	700
MDR085	3.0	.7	1.0	1.5	.30	300	N	N	N	10	1,000
MDR086	2.0	.5	1.0	1.0	.30	300	N	N	N	20	1,500
MDR087	2.0	.5	.5	1.0	.30	200	N	N	N	10	700
MDR088	3.0	1.0	3.0	2.0	.30	500	N	N	N	10	1,000
MDR089	3.0	.7	2.0	1.0	.50	500	N	N	N	20	1,000
MDR090	2.0	.3	.7	1.0	.30	500	N	N	N	10	700

Appendix b-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR091	3.0	.7	.7	1.5	.30	300	N	N	N	20	700
MDR092	3.0	.5	1.0	1.5	.70	500	N	N	N	20	1,000
MDR093	2.0	.5	1.0	1.0	.50	100	N	N	N	10	700
MDR094	3.0	1.0	3.0	1.0	.30	500	N	N	N	10	700
MDR095	5.0	.7	3.0	1.5	.50	700	N	N	N	20	1,500
MDR096	2.0	.7	2.0	2.0	.20	300	N	N	N	10	1,000
MDR097	2.0	.7	1.5	2.0	.30	500	N	N	N	10	700
MDR098	5.0	1.0	1.5	3.0	.50	300	N	N	N	10	700
MDR099	3.0	1.0	2.0	3.0	.30	500	N	N	N	10	700
MDR100	3.0	1.0	2.0	2.0	.30	500	N	N	N	10	1,000
MDR101	3.0	.7	1.5	2.0	.30	500	N	N	N	10	1,000
MDR102	3.0	.7	2.0	2.0	.30	500	N	N	N	10	700
MDR103	5.0	.7	1.5	3.0	.50	500	N	N	N	20	700
MDR104	7.0	.7	1.5	3.0	.50	500	N	N	N	10	700
MDR105	5.0	.7	2.0	2.0	.50	500	N	N	N	20	700
MDR106	5.0	.7	2.0	3.0	.30	500	N	N	N	20	1,000
MDR107	5.0	.7	1.5	3.0	.30	500	N	N	N	10	1,000
MDR108	5.0	.7	2.0	3.0	.50	700	N	N	N	20	700
MDR109	7.0	.7	1.0	3.0	.50	700	N	N	N	20	700
MDR110	7.0	.7	2.0	3.0	.30	700	N	N	N	10	700
MDR111	3.0	.7	1.5	3.0	.30	300	N	N	N	10	1,000
MDR112	5.0	.7	3.0	3.0	.50	500	N	N	N	10	700
MDR113	3.0	.5	1.0	1.5	.30	500	N	N	N	10	1,000
MDR114	3.0	.7	1.0	2.0	.30	500	N	N	N	10	1,000
MDR115	3.0	.5	1.0	2.0	.30	300	N	N	N	10	1,000
MDR116	3.0	.5	1.0	2.0	.30	300	N	N	N	10	1,000
MDR117	3.0	.7	1.5	1.5	.30	300	N	N	N	10	700
MDR118	2.0	.5	1.0	1.0	.30	500	N	N	N	10	700
MDR119	5.0	.7	1.5	3.0	.30	300	N	N	N	10	1,000
MDR120	3.0	.5	1.0	1.5	.50	500	N	N	N	10	700
MDR121	3.0	.5	1.0	2.0	.50	500	N	N	N	10	1,000
MDR122	5.0	.7	2.0	3.0	.50	700	N	N	N	20	700
MDR123	5.0	1.0	1.5	3.0	.50	500	N	N	N	10	700
MDR124	3.0	1.0	1.5	3.0	.30	500	N	N	N	20	1,000
MDR125	7.0	.7	1.0	3.0	.50	700	N	N	N	20	700
MDR126	5.0	.7	1.5	3.0	.30	500	N	N	N	10	700
MDR127	3.0	.7	2.0	3.0	.50	500	N	N	N	10	700
MDR128	5.0	.7	1.5	2.0	.30	700	N	N	N	20	700
MDR129	7.0	.7	1.0	2.0	.30	500	N	N	N	20	700
MDR130	5.0	1.0	5.0	3.0	.30	500	N	N	N	10	1,000
MDR131	3.0	1.0	5.0	1.0	.30	500	N	N	N	10	1,000
MDR132	5.0	.7	2.0	1.0	.30	500	N	N	N	20	1,000
MDR133	5.0	.7	2.0	1.5	.30	500	N	N	N	20	1,500
MDR134	3.0	.7	1.5	1.0	.30	200	N	N	N	10	700
MDR135	3.0	.7	2.0	1.0	.30	300	N	N	N	10	1,000

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR136	3.0	.7	2.0	1.0	.30	300	<.5	N	N	10	1,000
MDR137	7.0	.7	1.0	2.0	.50	700	N	N	N	10	700
MDR138	5.0	.5	1.5	2.0	.70	500	N	N	N	20	700
MDR139	7.0	.7	1.0	1.5	.50	700	N	N	N	20	700
MDR140	7.0	.7	1.0	2.0	.30	700	N	N	N	10	700
MDR141	5.0	1.0	3.0	3.0	.30	1,000	N	N	N	20	1,000
MDR142	5.0	.5	1.5	2.0	.50	700	N	N	N	20	700
MDR143	10.0	.7	1.5	1.5	.50	1,000	N	N	N	20	700
MDR144	7.0	.7	1.5	2.0	.50	700	N	N	N	10	700
MDR145	7.0	1.0	2.0	3.0	.50	700	N	N	N	20	700
MDR146	3.0	.7	1.5	2.0	.50	300	N	N	N	10	700
MDR147	5.0	.7	2.0	2.0	.50	500	N	N	N	10	700
MDR148	5.0	.7	1.5	2.0	.50	500	N	N	N	20	700
MDR149	7.0	1.0	2.0	3.0	.30	500	N	N	N	20	1,000
MDR150	3.0	.7	2.0	3.0	.30	500	N	N	N	10	700
MDR151	3.0	1.0	2.0	4.0	.30	300	N	N	N	10	1,000
MDR152	2.0	.7	1.0	1.5	.30	500	N	N	N	10	700
MDR153	3.0	1.0	2.0	2.0	.30	500	N	N	N	10	1,000
MDR154	3.0	1.0	2.0	2.0	.30	500	N	N	N	10	1,000
MDR155	3.0	1.0	2.0	3.0	.30	500	N	N	N	10	1,500
MDR156	3.0	1.0	3.0	2.0	.50	500	N	N	N	20	1,500
MDR157	3.0	1.0	3.0	2.0	.30	500	N	N	N	10	700
MDR158	3.0	.7	3.0	1.0	.30	500	N	N	N	10	1,000
MDR159	5.0	1.0	3.0	2.0	.50	500	N	N	N	10	700
MDR160	3.0	2.0	3.0	2.0	.30	500	N	N	N	10	1,000
MDR161	2.0	1.0	2.0	3.0	.30	300	N	N	N	10	1,500
MDR162	3.0	2.0	2.0	3.0	.30	500	N	N	N	10	1,000
MDR163	2.0	1.0	1.5	2.0	.30	500	N	N	N	10	1,000
MDR164	3.0	1.0	2.0	3.0	.30	500	N	N	N	10	1,000
MDR165	3.0	.7	2.0	2.0	.30	300	N	N	N	10	700
MDR166	3.0	1.0	2.0	3.0	.30	500	N	N	N	10	1,000
MDR167	3.0	.7	2.0	2.0	.30	500	N	N	N	10	1,000
MDR168	3.0	.7	1.5	2.0	.30	500	N	N	N	10	1,000
MDR169	5.0	1.0	2.0	3.0	.30	1,000	N	N	N	20	1,000
MDR170	5.0	2.0	2.0	3.0	.30	500	N	N	N	10	1,000
MDR171	3.0	1.0	2.0	3.0	.30	500	N	N	N	10	1,000
MDR172	3.0	.7	2.0	2.0	.70	300	N	N	N	10	700
MDR173	3.0	.7	1.5	2.0	.50	700	N	N	N	10	1,000
MDR174	3.0	1.0	2.0	2.0	.30	500	N	N	N	10	700
MDR175	3.0	.7	1.0	2.0	.30	500	N	N	N	10	700
MDR176	3.0	.7	1.5	2.0	.30	500	N	N	N	10	700
MDR177	3.0	.7	1.0	2.0	.30	500	N	N	N	10	700
MDR178	3.0	1.0	2.0	3.0	.30	500	N	N	N	10	1,000
MDR179	3.0	.7	1.0	2.0	.30	500	N	N	N	10	700
MDR180	5.0	.7	2.0	2.0	.30	500	N	N	N	10	700

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR181	5.0	.7	2.0	2.0	.50	500	N	N	N	20	700
MDR182	5.0	.5	1.5	1.0	.50	500	N	N	N	20	700
MDR183	7.0	1.0	1.5	3.0	.50	300	N	N	N	10	700
MDR184	2.0	.7	3.0	1.0	.30	300	N	N	N	10	1,000
MDR185	3.0	.7	3.0	1.5	.30	300	N	N	N	10	700
MDR186	5.0	.7	2.0	2.0	.50	500	N	N	N	10	700
MDR187	3.0	.7	2.0	1.5	.30	500	N	N	N	10	700
MDR188	5.0	.7	2.0	2.0	.50	500	N	N	N	20	700
MDR189	3.0	1.0	3.0	3.0	.50	500	N	N	N	10	1,000
MDR190	5.0	1.0	2.0	3.0	.30	500	N	N	N	10	1,000
MDR191	3.0	1.0	3.0	4.0	.30	500	N	N	N	10	700
MDR192	7.0	1.0	3.0	2.0	.30	700	N	N	N	10	1,000
MDR193	3.0	1.0	1.5	2.0	.30	500	N	N	N	20	700
MDR194	10.0	.7	1.5	2.0	.30	500	N	N	N	20	700
MDR195	7.0	.7	1.5	2.0	.70	500	N	N	N	20	700
MDR196	3.0	.7	2.0	2.0	.30	300	N	N	N	10	700
MDR197	5.0	2.0	3.0	2.0	.50	500	N	N	N	20	700
MDR198	3.0	1.0	2.0	2.0	.30	500	N	N	N	10	1,000
MDR199	3.0	1.0	5.0	3.0	.30	500	N	N	N	10	700
MDR200	7.0	.7	1.5	1.5	.50	700	N	N	10	20	700
MDR201	7.0	1.0	2.0	3.0	.30	500	N	N	N	10	700
MDR202	3.0	1.0	2.0	2.0	.30	500	N	N	N	10	700
MDR203	5.0	1.0	2.0	3.0	.30	500	N	N	N	10	1,000
MDR204	5.0	1.0	1.5	2.0	.50	500	N	N	N	10	700
MDR205	5.0	1.0	2.0	2.0	.30	700	N	N	N	10	700
MDR206	3.0	.7	5.0	2.0	.50	500	N	N	N	20	700
MDR207	7.0	1.0	2.0	2.0	.50	700	N	N	N	20	1,000
MDR208	5.0	.7	2.0	1.5	.50	500	N	N	N	20	1,500
MDR209	2.0	.5	1.5	1.5	.30	300	N	N	N	10	700
MDR210	2.0	.5	.7	1.5	.30	200	N	N	N	10	700
MDR211	3.0	.3	.5	1.0	.30	100	N	N	N	10	700
MDR212	3.0	.5	.7	1.0	.30	200	N	N	N	20	1,000
MDR213	3.0	.7	1.5	2.0	.70	300	N	N	N	10	1,500
MDR214	3.0	.5	1.0	2.0	.70	300	N	N	N	20	1,000
MDR215	3.0	.7	.7	1.0	.50	200	N	N	N	10	1,000
MDR216	3.0	.7	3.0	1.5	.30	500	N	N	N	10	1,000
MDR217	7.0	.3	.7	1.0	1.00	300	N	N	N	50	1,500
MDR218	2.0	.5	.7	1.0	.50	200	N	N	N	20	1,000
MDR219	3.0	.3	.7	1.5	.30	200	N	N	N	10	1,000
MDR220	3.0	.7	3.0	2.0	.30	300	N	N	N	10	1,000
MDR221	3.0	.7	3.0	2.0	.70	300	N	N	N	20	700
MDR222	3.0	.7	5.0	1.0	.30	500	N	N	N	10	700
MDR223	3.0	1.0	5.0	1.5	.50	500	N	N	N	10	1,500
MDR224	3.0	1.0	3.0	1.5	.50	500	N	N	N	20	700
MDR225	3.0	1.0	3.0	1.5	.70	500	<.5	N	N	20	700

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR226	7.0	1.0	2.0	3.0	.50	500	N	N	N	10	1,000
MDR227	3.0	.7	2.0	2.0	.30	500	N	N	N	20	700
MDR228	5.0	.5	1.0	2.0	.50	500	N	N	N	10	700
MDR229	5.0	.7	2.0	3.0	.50	500	N	N	N	20	700
MDR230	3.0	.3	1.5	2.0	.30	500	N	N	N	10	700
MDR231	3.0	.7	2.0	3.0	.30	500	N	N	N	20	1,000
MDR232	5.0	.7	1.5	2.0	.70	1,000	N	N	N	20	700
MDR233	3.0	.7	2.0	3.0	.30	500	N	N	N	20	1,000
MDR234	3.0	.7	1.5	3.0	.30	500	N	N	N	20	1,000
MDR235	5.0	.7	1.5	3.0	.70	500	N	N	N	10	700
MDR236	3.0	.7	2.0	3.0	.30	500	N	N	N	10	700
MDR237	3.0	.5	1.0	1.5	.30	500	N	N	N	10	700
MDR238	2.0	.7	1.0	2.0	.50	500	N	N	N	20	700
MDR239	3.0	.7	2.0	3.0	.30	500	N	N	N	10	700
MDR240	3.0	.7	2.0	2.0	.50	500	N	N	N	10	700
MDR241	3.0	.5	2.0	2.0	.50	500	N	N	N	20	700
MDR242	3.0	.7	2.0	3.0	.50	500	N	N	N	10	700
MDR243	3.0	.7	1.5	2.0	.30	500	N	N	N	10	700
MDR244	3.0	.7	1.5	2.0	.50	500	N	N	N	10	700
MDR245	3.0	.7	1.0	2.0	.30	500	N	N	N	10	700
MDR246	3.0	.5	1.5	1.5	.30	500	N	N	N	10	700
MDR247	3.0	.7	1.0	2.0	.30	500	N	N	N	10	700
MDR248	3.0	.5	1.0	2.0	.30	500	N	N	N	10	700
MDR249	3.0	.5	1.0	2.0	.50	500	N	N	N	10	700
MDR250	3.0	.5	.1	2.0	.30	500	N	N	N	10	700
MDR251	5.0	2.0	3.0	3.0	.50	500	N	N	N	20	700
MDR252	3.0	1.0	3.0	1.5	.50	500	N	N	N	20	700
MDR253	2.0	.5	1.5	1.0	.30	500	N	N	N	20	1,000
MDR254	2.0	.7	1.5	1.0	.30	300	N	N	N	20	1,000
MDR255	3.0	1.0	5.0	1.0	.30	500	N	N	N	20	700
MDR256	3.0	.7	2.0	1.5	.30	500	N	N	N	20	700
MDR257	3.0	.7	2.0	1.5	.70	300	N	N	N	20	1,500
MDR258	3.0	.7	2.0	1.0	.30	500	N	N	N	20	700
MDR259	2.0	.7	5.0	1.0	.30	300	N	N	N	20	700
MDR260	2.0	.5	.7	1.0	.30	300	N	N	N	10	700
MDR261	2.0	.7	3.0	.7	.30	300	<.5	N	N	10	700
MDR262	2.0	.7	2.0	1.0	.30	500	N	N	N	20	700
MDR263	2.0	.7	3.0	1.0	.30	700	N	N	N	20	700
MDR264	2.0	.7	7.0	1.5	.30	300	N	N	N	10	700
MDR265	2.0	.7	3.0	1.5	.20	300	N	N	N	10	700
MDR266	3.0	1.0	1.5	1.5	.30	500	<.5	N	N	10	700
MDR267	2.0	1.0	2.0	1.5	.30	500	N	N	N	10	700
MDR268	2.0	1.0	5.0	1.5	.30	200	N	N	N	10	700
MDR269	2.0	.7	5.0	2.0	.30	200	N	N	N	20	700
MDR270	2.0	.5	5.0	1.5	.30	300	N	N	N	20	700

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR271	2.0	.7	7.0	2.0	.30	200	N	N	N	10	700
MDR272	2.0	.7	3.0	1.5	.30	300	N	N	N	20	700
MDR273	3.0	.7	5.0	2.0	.50	300	N	N	N	10	700
MDR274	2.0	.5	.7	1.5	.30	500	N	N	N	10	700
MDR275	1.5	1.0	15.0	.7	.20	500	<.5	N	N	10	700
MDR276	2.0	.7	3.0	1.0	.20	500	<.5	N	N	10	700
MDR277	3.0	.7	1.0	1.5	.30	300	N	N	N	20	700
MDR278	3.0	.5	2.0	2.0	.30	500	N	N	N	10	700
MDR279	2.0	.3	1.5	1.5	.30	500	N	N	N	10	700
MDR280	3.0	.5	2.0	2.0	.50	300	N	N	N	10	700
MDR281	3.0	.7	2.0	2.0	.20	300	N	N	N	10	1,000
MDR282	3.0	.7	3.0	2.0	.50	500	N	N	N	20	700
MDR283	2.0	.7	1.5	2.0	.30	500	N	N	N	20	700
MDR284	3.0	.7	1.5	2.0	.50	300	N	N	N	20	700
MDR285	2.0	.3	1.5	1.5	.30	500	N	N	N	10	700
MDR286	2.0	.5	1.5	2.0	.30	500	N	N	N	10	700
MDR287	3.0	.7	3.0	2.0	.50	500	<.5	N	N	10	1,500
MDR288	3.0	.7	2.0	2.0	.30	500	N	N	N	20	1,000
MDR289	2.0	.5	1.0	3.0	.30	500	N	N	N	10	700
MDR290	3.0	.7	1.5	2.0	.50	500	<.5	N	N	10	700
MDR291	5.0	.7	2.0	2.0	.30	500	N	N	N	20	700
MDR292	3.0	1.0	5.0	2.0	.50	500	N	N	N	20	700
MDR293	2.0	.7	5.0	1.5	.20	300	N	N	N	10	700
MDR294	2.0	.7	3.0	2.0	.30	300	N	N	N	10	700
MDR295	5.0	.7	5.0	2.0	.30	500	N	N	N	10	1,000
MDR296	3.0	.5	2.0	1.5	.30	300	N	N	N	10	700
MDR297	5.0	.7	3.0	2.0	.30	300	N	N	N	20	700
MDR298	3.0	.7	3.0	2.0	.30	300	N	N	N	10	1,000
MDR299	3.0	.7	3.0	2.0	.30	500	N	N	N	20	700
MDR300	3.0	.7	3.0	2.0	.30	500	N	N	N	10	700
MDR301	3.0	.7	1.0	2.0	.30	500	N	N	N	10	700
MDR302	5.0	.7	1.5	3.0	.50	300	N	N	N	20	700
MDR303	5.0	.7	1.5	2.0	.70	300	N	N	N	20	700
MDR304	2.0	.5	1.0	1.5	.30	500	N	N	N	20	700
MDR305	5.0	.7	3.0	2.0	.30	700	N	N	N	10	700
MDR306	5.0	.7	1.0	2.0	.50	300	N	N	N	20	700
MDR307	7.0	1.0	1.5	3.0	.50	1,000	N	N	N	20	700
MDR308	5.0	.7	2.0	3.0	.50	500	N	N	N	20	700
MDR309	5.0	.7	2.0	2.0	.50	500	N	N	N	20	700
MDR310	7.0	.7	2.0	2.0	.50	500	N	N	N	20	700
MDR311	3.0	.7	5.0	1.5	.30	700	3.0	N	N	20	700
MDR312	3.0	.5	1.0	3.0	.30	700	N	N	N	10	1,000
MDR313	2.0	.7	1.5	2.0	.30	500	N	N	N	10	1,000
MDR314	2.0	.5	1.0	1.5	.30	300	N	N	N	10	700
MDR315	3.0	.5	1.5	1.5	.30	500	N	N	N	10	700

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

Sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR316	3.0	.7	1.5	3.0	.50	500	<.5	N	N	20	1,000
MDR317	3.0	.7	1.5	3.0	.50	500	N	N	N	20	700
MDR318	3.0	.7	2.0	1.5	.30	700	3.0	N	N	10	700
MDR319	7.0	.5	.7	1.5	.30	300	N	N	N	20	1,000
MDR320	3.0	.7	1.0	2.0	.30	700	N	N	N	10	700
MDR321	3.0	.7	1.0	2.0	.30	500	N	N	N	10	700
MDR322	3.0	.7	1.5	3.0	.30	500	N	N	N	10	700
MDR323	3.0	.5	1.5	2.0	.70	700	N	N	N	10	700
MDR324	1.5	.7	5.0	1.5	.20	700	<.5	N	N	10	700
MDR325	3.0	.7	2.0	3.0	.50	500	<.5	N	N	10	1,000
MDR326	3.0	.7	1.5	2.0	.30	500	<.5	N	N	10	700
MDR327	1.5	.3	.7	1.5	.30	500	N	N	N	10	1,000
MDR328	2.0	.3	.5	1.5	.30	500	<.5	N	N	10	700
MDR329	3.0	.3	.7	1.5	.30	700	.5	N	N	10	700
MDR330	3.0	.3	1.0	2.0	.50	500	<.5	N	N	20	700
MDR331	3.0	1.0	3.0	300.0	.30	500	N	N	N	20	700
MDR332	3.0	.7	3.0	3.0	.30	500	N	N	N	10	1,000
MDR333	3.0	.7	1.5	2.0	.50	300	<.5	N	N	20	700
MDR334	2.0	.7	3.0	1.0	.30	500	N	N	N	10	700
MDR335	3.0	.7	3.0	2.0	.30	700	N	N	N	10	700
MDR336	5.0	.7	3.0	3.0	.50	300	N	N	N	20	1,000
MDR337	5.0	1.0	3.0	2.0	.30	500	N	N	N	20	1,000
MDR338	3.0	.7	3.0	1.5	.30	700	N	N	N	20	700
MDR339	3.0	.5	1.0	2.0	.30	500	<.5	N	N	10	700
MDR340	5.0	.7	1.5	2.0	.30	500	N	N	N	10	700
MDR341	3.0	.5	1.5	3.0	.50	300	<.5	N	N	10	1,000
MDR342	3.0	7.0	2.0	2.0	5.00	500	<.5	N	N	20	700
MDR343	2.0	.3	.7	1.5	.30	700	.5	N	N	10	1,000
MDR344	3.0	.5	.7	2.0	.30	500	N	N	N	10	700
MDR345	3.0	.5	1.0	1.5	.30	700	N	N	N	10	700
MDR346	2.0	.5	3.0	2.0	.30	500	<.5	N	N	20	700
MDR347	3.0	.7	1.5	2.0	.50	700	.5	N	N	10	1,000
MDR348	3.0	.5	2.0	2.0	.50	500	N	N	N	20	1,000
MDR349	5.0	.5	2.0	2.0	.30	700	<.5	N	N	20	700
MDR350	5.0	.7	2.0	2.0	.50	500	N	N	N	20	700
MDR351	2.0	.5	2.0	1.0	.30	500	N	N	N	20	700
MDR352	3.0	1.0	2.0	2.0	.30	300	N	N	N	10	700
MDR353	2.0	.5	2.0	1.5	.30	300	N	N	N	10	700
MDR354	2.0	.3	1.5	1.5	.20	300	N	N	N	10	700
MDR355	2.0	.7	1.5	2.0	.30	500	N	N	N	10	700
MDR356	3.0	.7	3	1.5	.30	500	N	N	N	20	700
MDR357	5.0	.7	.0	2.0	.70	500	N	N	N	20	700
MDR358	3.0	.7	5.0	1.5	.30	500	1.0	N	N	20	700
MDR359	3.0	.7	2.0	2.0	.30	300	N	N	N	10	700
MDR360	3.0	.7	2.1	1.5	.30	500	N	N	N	20	500

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR361	2.0	.5	1.5	1.0	.30	300	N	N	N	10	700
MDR362	3.0	.7	3.0	1.5	.30	500	N	N	N	20	500
MDR363	5.0	.7	3.0	2.0	.50	500	N	N	N	20	700
MDR364	5.0	.7	2.0	1.5	.50	500	N	N	N	20	700
MDR365	5.0	.7	2.0	2.0	.30	500	N	N	N	10	700
MDR366	3.0	.7	2.0	1.5	.50	500	N	N	N	10	700
MDR367	5.0	.5	3.0	2.0	.30	500	N	N	N	20	700
MDR368	3.0	.7	2.0	2.0	.30	500	N	N	N	10	700
MDR369	5.0	.7	3.0	2.0	.50	500	N	N	N	20	700
MDR370	3.0	.7	2.0	2.0	.30	500	N	N	N	10	700
MDR371	5.0	.7	2.0	2.0	.30	500	N	N	N	20	700
MDR372	5.0	.7	2.0	2.0	.70	500	N	N	N	20	700
MDR373	7.0	.5	2.0	2.0	.50	300	N	N	N	20	700
MDR374	3.0	.7	1.5	2.0	.50	300	N	N	N	20	700
MDR375	5.0	.7	1.5	2.0	.50	300	N	N	N	10	700
MDR376	2.0	.5	2.0	1.5	.30	300	N	N	N	10	700
MDR377	3.0	.7	3.0	1.5	.30	200	N	N	N	10	1,500
MDR378	3.0	.7	3.0	2.0	.30	300	N	N	N	20	700
MDR379	3.0	.5	1.5	1.5	.50	300	N	N	N	10	700
MDR380	3.0	.5	1.0	1.5	.30	300	N	N	N	10	700
MDR381	3.0	.5	.7	1.5	.50	300	N	N	N	20	700
MDR382	3.0	.7	2.0	1.5	.50	200	N	N	N	20	700
MDR383	2.0	.7	3.0	1.5	.20	300	N	N	N	10	500
MDR384	2.0	.7	5.0	1.5	.30	200	N	N	N	10	700
MDR385	1.5	1.0	5.0	1.0	.20	200	N	N	N	10	500
MDR386	2.0	.7	5.0	1.5	.30	200	N	N	N	10	700
MDR387	1.5	.7	3.0	1.0	.30	200	N	N	N	10	300
MDR388	3.0	.3	1.5	1.5	.50	200	N	N	N	20	700
MDR389	2.0	.5	2.0	1.5	.30	200	N	N	N	10	700
MDR390	3.0	.7	5.0	1.5	.50	300	N	N	N	20	1,000
MDR391	2.0	.7	3.0	1.5	.30	300	N	N	N	10	500
MDR392	1.5	1.0	5.0	2.0	.20	300	N	N	N	10	300
MDR393	3.0	.7	3.0	1.5	.30	300	N	N	N	10	700
MDR394	2.0	.5	5.0	1.0	.30	300	N	N	N	10	700
MDR395	3.0	.7	3.0	2.0	.30	300	N	N	N	10	700
MDR396	3.0	.5	2.0	1.0	.50	500	N	N	N	20	700
MDR397	2.0	.7	2.0	1.0	.20	200	N	N	N	10	300
MDR398	2.0	.5	3.0	1.0	.20	200	N	N	N	10	300
MDR399	3.0	.7	3.0	1.5	.30	200	N	N	N	10	500
MDR400	2.0	1.0	3.0	1.0	.30	200	N	N	N	10	500
MDR401	2.0	.7	3.0	1.5	.30	200	N	N	N	10	700
MDR402	2.0	.7	3.0	1.0	.30	300	N	N	N	10	700
MDR403	2.0	.7	2.0	1.0	.20	300	N	N	N	10	500
MDR404	2.0	.7	7.0	1.5	.30	300	N	N	N	10	500
MDR405	1.5	.7	3.0	1.5	.20	200	N	N	N	10	500

Appendix b-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR406	2.0	.7	3.0	1.5	.30	200	N	N	N	10	700
MDR407	3.0	.7	3.0	1.0	.20	300	N	N	N	10	700
MDR408	2.0	1.0	3.0	1.0	.30	200	N	N	N	20	700
MDR409	3.0	.7	3.0	1.5	.30	300	N	N	N	20	700
MDR410	3.0	.7	2.0	1.5	.30	300	N	N	N	20	700
MDR411	2.0	1.0	3.0	1.5	.30	200	N	N	N	10	700
MDR412	3.0	.5	2.0	1.0	.30	200	N	N	N	10	500
MDR413	7.0	.7	2.0	2.0	.50	500	N	N	N	20	700
MDR414	2.0	.7	2.0	1.5	.30	200	N	N	N	10	700
MDR415	2.0	.7	3.0	1.0	.20	200	N	N	N	10	700
MDR416	2.0	.7	2.0	1.5	.30	300	N	N	N	10	700
MDR417	3.0	1.0	.3	1.0	.70	500	N	N	N	20	700
MDR418	.7	3.0	5.0	7.0	.15	100	N	N	N	N	200
MDR419	1.5	.7	5.0	1.0	.20	100	N	N	N	10	300
MDR420	.7	.7	5.0	.7	.15	100	N	N	N	N	100
MDR421	1.0	1.0	5.0	1.0	.20	200	N	N	N	10	300
MDR422	1.0	.7	5.0	1.0	.20	200	N	N	N	N	200
MDR423	.7	.7	3.0	1.0	.15	100	N	N	N	10	100
MDR424	2.0	1.0	5.0	1.0	.20	200	N	N	N	10	500
MDR425	2.0	.7	3.0	1.0	.30	300	N	N	N	10	700
MDR426	5.0	1.0	3.0	2.0	.50	500	N	N	N	10	700
MDR427	3.0	1.0	2.0	3.0	.30	300	N	N	N	10	700
MDR428	3.0	.7	3.0	2.0	.30	300	N	N	N	10	700
MDR429	2.0	.7	2.0	2.0	.30	300	N	N	N	10	700
MDR430	5.0	.7	3.0	2.0	.50	500	N	N	N	10	1,000
MDR431	3.0	.7	5.0	3.0	.50	500	N	N	N	10	1,000
MDR432	3.0	.7	3.0	2.0	.30	500	N	N	N	10	700
MDR433	5.0	1.0	3.0	2.0	.50	500	N	N	N	20	700
MDR434	7.0	.7	1.5	2.0	1.00	500	N	N	N	10	700
MDR435	5.0	1.0	5.0	2.0	.50	500	N	N	N	10	700
MDR436	3.0	1.0	5.0	2.0	.30	500	N	N	N	20	700
MDR437	5.0	1.0	3.0	3.0	.30	500	N	N	N	20	1,000
MDR438	5.0	.7	2.0	3.0	.30	500	N	N	N	20	700
MDR439	5.0	1.0	3.0	2.0	.50	700	N	N	N	10	700
MDR440	5.0	1.0	3.0	3.0	.30	500	N	N	N	10	700
MDR441	5.0	1.0	3.0	3.0	.50	500	N	N	N	10	1,500
MDR442	7.0	.7	5.0	3.0	.70	500	N	N	N	10	700
MDR443	3.0	1.0	2.0	2.0	.50	500	N	N	N	20	500
MDR444	3.0	.7	2.0	2.0	.50	500	N	N	N	10	700
MDR445	3.0	.7	15.0	2.0	.30	300	N	N	N	20	700
MDR446	2.0	.5	3.0	1.5	.20	300	N	N	N	10	700
MDR447	5.0	.7	5.0	2.0	.30	500	N	N	N	10	1,000
MDR448	3.0	.7	3.0	2.0	.30	500	N	N	N	10	1,000
MDR449	5.0	1.0	3.0	3.0	.50	300	N	N	N	10	700
MDR450	5.0	1.0	3.0	3.0	.50	300	N	N	N	10	700

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR451	3.0	.7	5.0	1.5	.30	300	N	N	N	10	700
MDR452	5.0	.7	3.0	3.0	.50	300	N	N	N	20	1,000
MDR453	7.0	.7	3.0	3.0	.50	500	N	N	N	20	700
MDR454	7.0	.7	2.0	2.0	.50	500	N	N	N	20	700
MDR455	5.0	.7	3.0	2.0	.30	500	N	N	N	10	700
MDR456	7.0	.7	2.0	2.0	.70	700	N	N	N	20	700
MDR457	5.0	1.0	3.0	3.0	.70	500	N	N	N	20	1,000
MDR458	3.0	.7	10.0	2.0	.30	300	N	N	N	10	700
MDR459	2.0	.5	10.0	1.5	.30	500	N	N	N	10	700
MDR460	3.0	.7	10.0	1.5	.30	500	N	N	N	10	1,000
MDR461	5.0	.7	5.0	2.0	.30	500	N	N	N	10	700
MDR462	5.0	.7	7.0	1.5	.50	300	N	N	N	20	700
MDR463	3.0	.7	5.0	2.0	.70	500	N	N	N	10	1,000
MDR464	2.0	.7	5.0	1.0	.30	300	N	N	N	10	500
MDR465	2.0	1.0	5.0	1.0	.30	300	N	N	N	20	1,000
MDR466	3.0	.7	2.0	2.0	.30	300	N	N	N	10	700
MDR467	2.0	.7	2.0	2.0	.30	300	N	N	N	10	700
MDR468	2.0	1.0	5.0	1.5	.30	300	N	N	N	10	700
MDR469	2.0	2.0	3.0	1.5	.30	300	N	N	N	10	700
MDR470	2.0	1.0	3.0	2.0	.30	200	N	N	N	10	700
MDR471	2.0	.7	2.0	1.5	.30	200	N	N	N	10	700
MDR472	2.0	.7	2.0	1.5	.30	200	N	N	N	10	500
MDR473	2.0	.7	3.0	1.5	.20	200	N	N	N	10	500
MDR474	3.0	1.0	7.0	1.0	.30	500	N	N	N	20	700
MDR475	2.0	1.0	5.0	1.5	.30	200	N	N	N	20	500
MDR476	5.0	1.0	3.0	1.0	.30	300	N	N	N	70	700
MDR477	3.0	1.0	2.0	2.0	.30	200	N	N	N	10	700
MDR478	1.5	1.0	2.0	1.5	.20	200	N	N	N	10	300
MDR479	1.5	1.0	5.0	1.0	.20	200	N	N	N	10	300
MDR480	2.0	1.0	7.0	1.0	.30	300	N	N	N	10	700
MDR481	2.0	.7	3.0	1.5	.30	200	N	N	N	10	500
MDR482	1.5	.7	5.0	1.5	.20	200	N	N	N	N	500
MDR483	2.0	1.0	5.0	1.5	.30	200	N	N	N	10	700
MDR484	2.0	.7	2.0	1.5	.30	200	N	N	N	10	300
MDR485	2.0	.7	2.0	1.5	.30	200	N	N	N	10	500
MDR486	2.0	2.0	3.0	1.5	.20	300	N	N	N	10	700
MDR487	2.0	.7	3.0	2.0	.20	200	N	N	N	10	700
MDR488	3.0	1.0	3.0	2.0	.30	300	N	N	N	10	700
MDR489	3.0	.7	1.0	1.5	.30	200	N	N	N	20	700
MDR490	1.5	1.0	5.0	1.0	.20	300	N	N	N	20	700
MDR491	2.0	2.0	2.0	2.0	.30	200	N	N	N	10	700
MDR492	3.0	.7	7.0	2.0	.30	300	N	N	N	10	700
MDR493	3.0	1.0	3.0	2.0	.30	200	N	N	N	10	700
MDR494	3.0	.7	3.0	1.0	.30	300	N	N	N	20	700
MDR495	2.0	.5	3.0	1.5	.30	300	N	N	N	10	700

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR496	3.0	.7	2.0	2.0	.30	300	N	N	N	20	700
MDR497	3.0	.7	2.0	2.0	.50	300	N	N	N	20	700
MDR498	2.0	.7	2.0	1.0	.30	500	N	N	N	10	700
MDR499	2.0	.7	1.5	2.0	.30	200	N	N	N	10	700
MDR500	3.0	.3	.7	1.0	.30	300	N	N	N	20	700
MDR776	3.0	.7	2.0	2.0	.50	500	N	N	N	10	700
MDR777	3.0	.7	1.5	2.0	.30	500	N	N	N	10	1,000
MDR778	3.0	1.0	2.0	3.0	.30	500	N	N	N	10	1,500
MDR779	3.0	.7	2.0	3.0	.50	500	N	N	N	10	1,000
MDR780	3.0	1.0	2.0	2.0	.30	500	N	N	N	10	700
MDR781	3.0	.5	1.0	2.0	.50	500	N	N	N	10	1,000
MDR782	3.0	.7	2.0	2.0	.30	500	N	N	N	20	1,000
MDR783	2.0	.7	1.0	1.5	.30	500	N	N	N	10	1,000
MDR784	3.0	1.0	2.0	2.0	.30	500	N	N	N	10	1,000
MDR785	2.0	.7	1.0	2.0	.20	300	N	N	N	10	700
MDR786	3.0	1.0	3.0	2.0	.30	500	N	N	N	10	1,000
MDR787	3.0	1.0	2.0	2.0	.20	500	N	N	N	10	1,000
MDR788	3.0	.7	2.0	2.0	.50	500	N	N	N	10	1,000
MDR789	3.0	.7	1.0	2.0	.30	500	N	N	N	10	700
MDR790	2.0	.7	1.0	2.0	.30	500	N	N	N	10	700
MDR791	3.0	.7	2.0	1.5	.20	300	N	N	N	10	700
MDR792	3.0	1.0	2.0	2.0	.30	300	N	N	N	10	1,000
MDR793	2.0	.7	7.0	1.5	.20	500	N	N	N	10	700
MDR794	5.0	.7	2.0	1.5	.50	300	N	N	N	10	700
MDR795	3.0	.7	3.0	2.0	.50	500	N	N	N	20	1,000
MDR796	3.0	1.0	3.0	2.0	.30	500	N	N	N	20	700
MDR797	3.0	.7	1.5	2.0	.30	500	N	N	N	20	1,000
MDR798	2.0	.7	1.0	1.5	.30	500	N	N	N	10	700
MDR799	3.0	.7	1.5	1.5	.30	500	N	N	N	10	700
MDR800	7.0	1.0	3.0	3.0	.70	300	N	N	N	10	700
MDR801	3.0	.7	1.5	2.0	.30	500	N	N	N	10	700
MDR802	7.0	.7	1.0	3.0	.70	500	N	N	N	10	700
MDR803	3.0	.7	2.0	2.0	.30	500	N	N	N	10	700
MDR804	3.0	.5	1.0	2.0	.30	500	N	N	N	10	1,000
MDR805	3.0	1.0	2.0	3.0	.50	500	N	N	N	10	700
MDR806	5.0	.7	1.5	2.0	.30	500	N	N	N	10	1,000
MDR807	3.0	.7	1.5	3.0	.30	500	N	N	N	10	1,000
MDR808	2.0	.7	2.0	2.0	.30	200	N	N	N	10	700
MDR809	2.0	.5	1.0	1.5	.50	200	N	N	N	10	500
MDR810	3.0	1.0	3.0	2.0	.30	500	N	N	N	10	700
MDR811	2.0	.7	1.5	2.0	.30	200	N	N	N	10	500
MDR812	3.0	.7	2.0	2.0	.30	200	N	N	N	10	700
MDR813	3.0	.7	3.0	1.5	.30	200	N	N	N	10	700
MDR814	3.0	1.0	2.0	2.0	.30	300	N	N	N	10	700
MDR815	2.0	.7	1.5	2.0	.30	200	N	N	N	10	500

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR816	2.0	.7	2.0	1.5	.30	300	N	N	N	20	700
MDR817	2.0	.7	2.0	1.5	.20	300	N	N	N	10	700
MDR818	2.0	.3	2.0	1.5	.30	500	N	N	N	10	700
MDR819	3.0	.7	3.0	2.0	.30	300	N	N	N	20	700
MDR820	3.0	1.0	7.0	2.0	.30	500	N	N	N	20	700
MDR821	2.0	2.0	5.0	1.5	.30	300	N	N	N	10	700
MDR822	2.0	1.0	5.0	1.5	.30	200	N	N	N	20	700
MDR823	2.0	.7	2.0	1.5	.30	200	N	N	N	10	700
MDR824	2.0	1.0	5.0	1.5	.20	300	N	N	N	10	700
MDR825	1.5	2.0	7.0	1.0	.30	200	N	N	N	10	700
MDR826	2.0	1.0	5.0	1.5	.30	300	N	N	N	10	700
MDR827	2.0	.7	3.0	1.5	.50	200	N	N	N	10	700
MDR828	2.0	1.0	7.0	2.0	.30	200	N	N	N	10	700
MDR829	2.0	1.0	7.0	1.5	.30	300	N	N	N	10	700
MDR830	1.5	1.0	7.0	1.0	.30	200	N	N	N	20	700
MDR851	3.0	.7	1.0	1.5	.30	300	N	N	N	20	1,000
MDR852	3.0	.5	1.0	1.5	.30	200	N	N	N	10	1,000
MDR853	2.0	.5	.7	1.5	.30	300	N	N	N	20	1,000
MDR854	5.0	.7	2.0	1.5	.50	500	N	N	N	50	1,500
MDR855	5.0	.7	1.5	1.0	.30	500	N	N	N	10	1,500
MDR856	7.0	.7	3.0	2.0	.70	500	N	N	N	20	1,000
MDR857	3.0	.7	2.0	1.5	.30	300	N	N	N	10	700
MDR858	3.0	.7	1.5	1.5	.30	500	N	N	N	10	1,000
MDR859	3.0	.5	.7	1.0	.30	100	N	N	N	10	1,000
MDR860	3.0	.7	1.5	2.0	.30	300	N	N	N	10	700
MDR861	3.0	.7	1.5	2.0	.30	500	N	N	N	20	1,000
MDR862	5.0	.7	1.5	2.0	.50	300	N	N	N	20	1,500
MDR863	5.0	.7	2.0	2.0	.50	500	N	N	N	20	700
MDR864	7.0	.7	2.0	2.0	.30	500	N	N	N	20	700
MDR865	3.0	.7	1.5	2.0	.50	500	N	N	N	10	700
MDR866	2.0	1.0	3.0	1.5	.30	500	N	N	N	10	1,000
MDR867	3.0	.7	1.5	2.0	.20	500	N	N	N	10	1,000
MDR868	3.0	.7	2.0	2.0	.30	500	N	N	N	10	1,000
MDR869	2.0	.7	1.0	2.0	.30	500	N	N	N	10	1,500
MDR870	3.0	1.0	1.0	2.0	.15	300	N	N	N	10	700
MDR871	3.0	.7	2.0	2.0	.30	500	N	N	N	10	700
MDR872	3.0	1.0	2.0	2.0	.50	500	N	N	N	10	1,000
MDR873	3.0	.7	1.5	2.0	.30	500	N	N	N	20	700
MDR874	5.0	.7	3.0	3.0	.70	500	N	N	N	20	1,000
MDR875	3.0	1.0	1.5	3.0	.30	500	N	N	N	10	700
MDR876	1.0	.5	5.0	.5	.15	200	N	N	N	N	150
MDR877	1.5	.7	3.0	1.5	.20	200	N	N	N	10	300
MDR878	1.5	1.0	5.0	1.5	2.00	300	N	N	N	10	500
MDR879	2.0	1.0	5.0	1.5	.30	300	N	N	N	10	700
MDR880	1.5	.5	2.0	1.0	.20	200	N	N	N	10	300

Appendix b-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR881	2.0	.7	5.0	1.5	.30	300	N	N	N	10	700
MDR882	1.5	.7	2.0	1.0	.20	200	N	N	N	10	300
MDR883	1.5	1.0	2.0	1.0	2.00	300	N	N	N	10	300
MDR884	1.5	.7	3.0	1.5	.20	200	N	N	N	10	500
MDR885	2.0	.7	2.0	1.0	.30	300	N	N	N	10	700
MDR886	1.5	.7	2.0	1.0	.20	200	N	N	N	10	500
MDR887	1.5	1.0	2.0	1.0	.20	200	N	N	N	10	300
MDR888	2.0	.7	2.0	2.0	.30	200	N	N	N	10	700
MDR889	2.0	1.0	5.0	2.0	.30	300	N	N	N	10	700
MDR890	2.0	.5	1.0	2.0	.30	200	N	N	N	10	500
MDR891	3.0	.7	1.0	2.0	.30	200	N	N	N	10	700
MDR892	2.0	.5	1.5	1.5	.20	300	N	N	N	10	500
MDR893	1.5	.7	2.0	1.0	.20	200	N	N	N	10	200
MDR894	2.0	7.0	1.5	1.0	.30	200	N	N	N	10	500
MDR895	3.0	2.0	3.0	2.0	.30	300	N	N	N	10	500
MDR896	1.5	.7	5.0	1.0	.20	200	N	N	N	10	500
MDR897	1.5	1.0	7.0	1.0	.20	200	N	N	N	10	700
MDR898	2.0	1.0	3.0	1.5	.30	300	N	N	N	10	700
MDR899	2.0	.5	1.0	2.0	.30	200	N	N	N	10	700
MDR900	2.0	.7	2.0	1.5	.30	200	N	N	N	10	300
MDR926	3.0	.5	.7	1.0	.20	500	N	N	N	10	700
MDR927	3.0	.7	1.0	1.5	.30	300	N	N	N	20	700
MDR928	1.5	.5	1.5	1.0	.20	300	N	N	N	10	700
MDR929	2.0	.5	.7	1.5	.30	300	N	N	N	10	700
MDR930	2.0	.3	.5	1.5	.30	300	N	N	N	10	700
MDR931	1.5	.5	.3	1.0	.20	300	N	N	N	10	300
MDR932	2.0	.7	.7	2.0	.30	300	N	N	N	10	500
MDR933	2.0	.5	.5	1.5	.30	300	N	N	N	10	700
MDR934	2.0	.3	.5	1.5	.30	300	N	N	N	10	700
MDR935	1.5	.7	.7	1.5	.30	300	N	N	N	10	200
MDR936	2.0	.7	2.0	2.0	.50	200	N	N	N	10	500
MDR937	2.0	.5	.7	2.0	.30	200	N	N	N	10	500
MDR938	2.0	.7	1.5	2.0	.20	100	N	N	N	10	700
MDR939	1.5	.7	1.0	2.0	.30	200	N	N	N	10	700
MDR940	3.0	.7	2.0	2.0	.30	300	N	N	N	10	700
MDR941	3.0	.7	2.0	1.5	.30	300	N	N	N	10	700
MDR942	2.0	.7	2.0	1.5	.30	300	N	N	N	10	700
MDR943	1.5	.7	2.0	1.5	.30	300	N	N	N	10	500
MDR944	2.0	.5	.7	1.5	.20	200	N	N	N	10	700
MDR945	3.0	.7	2.0	2.0	.30	300	N	N	N	10	700
MDR946	3.0	.7	2.0	2.0	.30	300	N	N	N	10	700
MDR947	2.0	.5	2.0	1.5	.30	300	N	N	N	20	700
MDR948	3.0	.7	2.0	2.0	.50	300	N	N	N	20	700
MDR949	2.0	.7	2.0	1.5	.20	300	N	N	N	10	500
MDR950	2.0	.7	2.0	2.0	.20	300	N	N	N	10	500

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	FE %	MG %	CA %	NA %	TI %	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MDR951	2.0	.5	1.0	1.5	.30	300	N	N	N	10	500
MDR952	1.5	1.0	5.0	1.0	.20	200	N	N	N	10	500
MDR953	3.0	2.0	5.0	1.5	.30	300	N	N	N	10	700
MDR954	2.0	.7	5.0	1.5	.30	300	N	N	N	10	700
MDR955	3.0	.7	1.5	2.0	.30	300	N	N	N	10	700
MDR956	1.5	.7	3.0	1.5	.30	200	N	N	N	10	500
MDR957	3.0	1.0	1.5	1.5	.30	300	N	N	N	20	500
MDR958	2.0	.7	3.0	1.5	.30	500	N	N	N	10	700
MDR959	2.0	.7	2.0	2.0	.20	500	N	N	N	10	700
MDR960	1.5	1.0	5.0	1.5	.30	200	N	N	N	10	500
MDR961	1.5	1.0	5.0	1.5	.20	200	N	N	N	10	300
MDR962	3.0	.7	3.0	1.5	.30	300	N	N	N	10	700
MDR963	1.5	1.0	5.0	1.0	.20	200	N	N	N	10	500
MDR964	1.5	.7	5.0	1.0	.30	300	N	N	N	10	500
MDR965	1.5	1.0	3.0	1.5	.20	200	N	N	N	10	500
MDR966	3.0	.7	2.0	1.5	.50	200	N	N	N	10	700
MDR967	3.0	.7	3.0	2.0	.30	200	N	N	N	10	500
MDR968	3.0	.5	1.0	1.5	.30	200	N	N	N	10	700
MDR969	1.5	.5	1.5	1.0	.20	100	N	N	N	N	150
MDR970	2.0	.7	3.0	1.5	.30	200	N	N	N	10	500
MDR971	2.0	.5	1.0	1.0	.30	300	N	N	N	10	500
MDR972	1.5	.7	3.0	1.5	.20	300	N	N	N	10	700
MDR973	1.0	.7	3.0	1.0	.15	300	N	N	N	10	100
MDR974	1.5	.7	3.0	1.0	.30	300	N	N	N	10	500
MDR975	1.5	1.0	3.0	1.5	.20	300	N	N	N	10	500
MDR976	3.0	.5	2.0	1.5	.30	300	N	N	N	10	700
MDR977	3.0	.5	2.0	1.5	.30	200	N	N	N	10	500
MDR978	3.0	.7	3.0	2.0	.30	300	N	N	N	10	700
MDR979	2.0	.5	1.5	1.5	.20	300	N	N	N	10	300
MDR980	2.0	.7	1.5	1.5	.30	300	N	N	N	10	500
MDR981	2.0	.7	3.0	1.0	.30	300	N	N	N	20	500
MDR982	1.5	.7	1.5	1.5	.20	500	N	N	N	10	300
MDR990	2.0	.7	5.0	1.0	.30	300	N	N	N	10	700
MDR991	2.0	.7	3.0	1.0	.30	200	N	N	N	10	500
MDR992	2.0	N	5.0	1.0	.30	200	N	N	N	10	700
MDR993	2.0	.7	2.0	1.0	.30	300	N	N	N	10	700
MDR994	1.5	.7	3.0	1.5	.20	200	N	N	N	10	700
MDR995	2.0	.7	3.0	1.0	.30	200	N	N	N	10	500
MDR996	2.0	.7	1.0	1.0	.30	300	N	N	N	10	700

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro

sample	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR001	10	N	N	15	150	30	100	N	N	10	30
MDR002	10	N	N	10	30	20	100	N	N	10	15
MDR003	15	N	N	15	50	20	100	N	N	10	15
MDR004	15	N	N	15	70	20	100	N	N	10	20
MDR005	15	N	N	10	50	20	100	N	N	10	20
MDR006	15	N	N	15	50	30	100	N	N	20	20
MDR007	15	N	N	10	70	20	100	N	N	20	15
MDR008	15	N	N	15	50	30	100	N	N	10	30
MDR009	15	N	N	15	100	30	100	N	N	10	30
MDR010	7	N	N	15	500	50	100	N	N	20	50
MDR011	10	N	N	30	200	30	150	N	N	20	50
MDR012	10	N	N	20	200	30	150	N	N	10	30
MDR013	10	N	N	15	150	20	100	N	N	20	30
MDR014	15	N	N	10	50	30	100	N	N	10	20
MDR015	10	N	N	20	200	20	100	N	N	10	50
MDR016	10	N	N	15	150	15	100	N	N	10	30
MDR017	15	N	N	20	150	30	100	N	N	20	30
MDR018	10	N	N	30	300	30	150	N	N	10	50
MDR019	10	N	N	15	200	20	50	N	N	10	50
MDR020	7	N	N	20	200	30	100	N	N	20	30
MDR021	10	N	N	30	300	30	100	N	N	10	50
MDR022	7	N	N	20	500	30	100	N	N	20	50
MDR023	10	N	N	30	500	50	50	N	N	20	50
MDR024	7	N	N	15	500	50	100	N	N	10	50
MDR025	10	N	N	30	300	30	100	N	N	10	50
MDR026	7	N	N	15	200	30	100	N	N	20	20
MDR027	15	N	N	15	100	15	100	N	N	10	20
MDR028	15	N	N	15	70	20	100	N	N	10	30
MDR029	10	N	N	15	100	20	100	N	N	10	20
MDR030	10	N	N	20	150	20	50	N	N	10	30
MDR031	15	N	N	15	100	20	50	N	N	10	20
MDR032	15	N	N	15	70	30	100	N	N	10	20
MDR033	7	N	N	20	300	20	150	N	N	20	50
MDR034	10	N	N	15	150	20	100	N	N	10	15
MDR035	10	N	N	20	300	30	100	N	N	10	50
MDR036	10	N	N	15	200	30	100	N	N	20	50
MDR037	15	N	N	20	150	20	50	N	N	10	30
MDR038	15	N	N	20	150	20	100	N	N	20	30
MDR039	15	N	N	15	50	30	100	N	N	10	30
MDR040	15	N	N	10	50	30	100	N	N	10	30
MDR041	10	N	N	30	200	30	100	N	N	10	50
MDR042	15	N	N	15	100	30	50	N	N	10	20
MDR043	10	N	N	20	150	30	150	N	N	10	30
MDR044	10	N	N	20	300	50	100	N	N	10	30
MDR045	15	N	N	15	150	20	100	N	N	10	30

Appendix b-2 - Chemical Analyses of St[illegible]m-Sediment Samples, Socorro--continued

sample	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR046	15	N	N	15	200	30	100	N	N	10	30
MDR047	10	N	N	20	200	20	100	N	N	20	30
MDR048	10	N	N	10	50	15	100	N	N	10	20
MDR049	15	N	N	10	100	20	20	N	N	10	20
MDR050	7	N	N	15	100	20	100	N	N	10	20
MDR051	7	N	N	20	200	30	100	N	N	10	50
MDR052	7	N	N	15	100	30	100	N	N	10	30
MDR053	15	N	N	10	50	20	100	N	N	10	20
MDR054	5	N	N	15	150	20	50	N	N	10	50
MDR055	10	N	N	10	100	15	100	N	N	10	30
MDR056	15	N	N	15	150	20	150	N	N	10	30
MDR057	10	N	N	30	500	30	100	N	N	10	50
MDR058	7	N	N	15	150	30	50	N	N	10	30
MDR059	10	N	N	20	200	30	100	N	N	10	50
MDR060	10	N	N	15	100	30	100	N	N	10	30
MDR061	7	N	N	30	200	30	100	N	N	20	50
MDR062	7	N	N	15	200	20	50	N	N	20	70
MDR063	7	N	N	10	30	15	100	N	N	10	15
MDR064	10	N	N	15	100	30	100	N	N	10	30
MDR065	7	N	N	30	500	30	100	N	N	10	50
MDR066	10	N	N	15	300	50	50	N	N	10	50
MDR067	15	N	N	10	50	10	150	N	N	10	15
MDR068	10	N	N	20	300	30	100	N	N	10	50
MDR069	10	N	N	30	300	30	100	N	N	20	70
MDR070	7	N	N	15	150	20	50	N	N	10	30
MDR071	10	N	N	10	50	20	50	N	N	10	15
MDR072	10	N	N	10	30	20	100	N	N	10	15
MDR073	10	N	N	10	150	20	100	N	N	10	30
MDR074	10	N	N	15	200	20	50	N	N	10	50
MDR075	10	N	N	10	50	20	100	N	N	10	10
MDR076	7	N	N	15	100	20	100	N	N	10	15
MDR077	10	N	N	10	30	20	100	N	N	10	10
MDR078	10	N	N	15	70	30	100	N	N	10	15
MDR079	10	N	N	10	50	20	100	N	N	10	20
MDR080	10	N	N	15	50	20	100	N	N	10	20
MDR081	15	N	N	10	50	20	100	N	N	20	20
MDR082	10	N	N	15	50	20	100	N	N	20	30
MDR083	10	N	N	10	50	15	100	N	N	10	20
MDR084	10	N	N	10	30	20	100	N	N	20	15
MDR085	10	N	N	15	70	20	100	N	N	10	20
MDR086	10	N	N	15	50	20	150	N	N	10	20
MDR087	10	N	N	10	30	20	100	N	N	10	15
MDR088	10	N	N	10	100	20	100	N	N	10	20
MDR089	15	N	N	15	50	15	100	N	N	10	15
MDR090	15	N	N	10	50	20	150	N	N	10	15

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
MDR091	15	N	N	15	50	30	100	N	10	20
MDR092	15	N	N	15	150	30	150	N	20	30
MDR093	15	N	N	10	30	20	150	N	10	10
MDR094	10	N	N	15	50	30	100	N	10	30
MDR095	7	N	N	15	100	20	150	N	10	20
MDR096	10	N	N	15	20	30	100	N	10	15
MDR097	10	N	N	10	30	20	100	N	10	15
MDR098	5	N	N	20	100	30	100	N	10	30
MDR099	7	N	N	15	30	30	100	N	10	20
MDR100	7	N	N	15	30	30	100	N	10	15
MDR101	10	N	N	15	70	30	100	N	10	20
MDR102	15	N	N	15	150	20	100	N	10	30
MDR103	7	N	N	15	150	30	50	N	10	30
MDR104	10	N	N	20	150	30	100	N	20	30
MDR105	15	N	N	20	150	20	50	N	10	50
MDR106	10	N	N	15	150	30	100	N	10	30
MDR107	10	N	N	15	150	30	100	N	10	30
MDR108	10	N	N	20	150	20	50	N	10	30
MDR109	7	N	N	20	200	30	100	N	20	30
MDR110	10	N	N	20	150	30	100	N	10	30
MDR111	7	N	N	15	150	30	100	N	10	30
MDR112	15	N	N	15	100	15	50	N	10	30
MDR113	10	N	N	15	50	30	100	N	10	20
MDR114	10	N	N	15	100	30	100	N	20	20
MDR115	10	N	N	15	70	20	100	N	10	20
MDR116	7	N	N	15	70	20	100	N	10	20
MDR117	10	N	N	15	100	20	100	N	10	20
MDR118	15	N	N	15	50	20	150	N	20	15
MDR119	7	N	N	15	150	30	100	N	20	30
MDR120	10	N	N	15	70	20	100	N	20	15
MDR121	15	N	N	15	50	30	100	N	20	20
MDR122	10	N	N	15	300	30	50	N	20	30
MDR123	7	N	N	20	150	20	100	N	20	50
MDR124	10	N	N	15	100	30	50	N	10	20
MDR125	7	N	N	20	150	30	100	N	10	30
MDR126	7	N	N	15	150	30	100	N	10	30
MDR127	10	N	N	15	150	15	50	N	10	30
MDR128	7	N	N	20	150	20	100	N	10	30
MDR129	7	N	N	30	200	30	100	N	20	30
MDR130	10	N	N	15	100	20	100	N	10	30
MDR131	10	N	N	15	50	20	100	N	10	15
MDR132	10	N	N	15	200	30	100	N	10	20
MDR133	10	N	N	15	150	50	100	N	10	30
MDR134	15	N	N	15	70	30	100	N	10	15
MDR135	7	N	N	15	100	30	100	N	10	20

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR136	7	N	N	15	100	30	100	N	N	10	20
MDR137	5	N	N	20	150	30	50	N	N	20	50
MDR138	10	N	N	15	150	30	100	N	N	20	20
MDR139	7	N	N	30	200	30	50	N	N	20	20
MDR140	10	N	N	20	150	30	100	N	N	10	30
MDR141	10	N	N	15	100	30	100	N	N	10	30
MDR142	10	N	N	20	100	20	100	N	N	10	30
MDR143	7	N	N	50	300	30	100	N	N	10	50
MDR144	5	N	N	30	150	30	100	N	N	10	30
MDR145	7	N	N	30	300	30	100	N	N	20	30
MDR146	10	N	N	15	50	20	100	N	N	10	30
MDR147	10	N	N	15	150	20	100	N	N	10	30
MDR148	7	N	N	30	150	30	100	N	N	10	30
MDR149	10	N	N	20	200	30	50	N	N	10	30
MDR150	10	N	N	10	150	20	100	N	N	10	15
MDR151	7	N	N	15	50	30	50	N	N	10	30
MDR152	10	N	N	10	20	30	100	N	N	10	10
MDR153	10	N	N	15	30	30	100	N	N	10	20
MDR154	10	N	N	15	30	30	100	N	N	10	20
MDR155	10	N	N	15	50	30	100	N	N	10	20
MDR156	10	N	N	15	100	20	100	N	N	10	15
MDR157	10	N	N	15	50	30	100	N	N	10	30
MDR158	15	N	N	15	50	20	50	N	N	10	20
MDR159	10	N	N	15	70	20	100	N	N	20	30
MDR160	7	N	N	15	50	20	100	N	N	10	30
MDR161	15	N	N	15	30	30	100	N	N	10	20
MDR162	7	N	N	15	50	30	100	N	N	10	30
MDR163	15	N	N	15	30	30	100	N	N	10	15
MDR164	5	N	N	15	100	30	50	N	N	10	30
MDR165	10	N	N	15	50	30	100	N	N	10	30
MDR166	10	N	N	15	50	30	100	N	N	10	20
MDR167	10	N	N	15	30	30	100	N	N	10	20
MDR168	10	N	N	15	50	30	100	N	N	10	20
MDR169	10	N	N	15	70	30	100	N	N	10	20
MDR170	10	N	N	15	30	30	100	N	N	10	15
MDR171	10	N	N	15	100	30	100	N	N	10	30
MDR172	7	N	N	15	50	30	100	N	N	20	20
MDR173	10	N	N	15	100	30	100	N	N	20	30
MDR174	15	N	N	15	30	30	100	N	N	10	20
MDR175	10	N	N	15	50	30	100	N	N	10	20
MDR176	15	N	N	15	70	30	50	N	N	10	20
MDR177	15	N	N	15	50	30	100	N	N	10	20
MDR178	7	N	N	20	100	20	100	N	N	10	30
MDR179	10	N	N	15	50	20	100	N	N	10	20
MDR180	10	N	N	20	100	15	100	N	N	10	30

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR181	10	N	N	30	150	30	100	N	N	10	30
MDR182	10	N	N	20	150	20	100	N	N	10	30
MDR183	7	N	N	20	150	30	50	N	N	10	30
MDR184	10	N	N	10	50	15	100	N	N	10	20
MDR185	10	N	N	15	70	20	100	N	N	10	20
MDR186	7	N	N	20	150	20	100	N	N	10	30
MDR187	10	N	N	10	70	15	100	N	N	10	20
MDR188	10	N	N	20	70	30	100	N	N	10	30
MDR189	10	N	N	30	150	30	100	N	N	10	30
MDR190	10	N	N	30	200	30	100	N	N	10	30
MDR191	5	N	N	20	150	30	50	N	N	10	30
MDR192	7	N	N	30	150	30	150	N	N	10	30
MDR193	10	N	N	15	100	30	100	N	N	10	30
MDR194	5	N	N	30	200	20	100	N	N	10	50
MDR195	7	N	N	30	150	30	100	N	N	20	30
MDR196	7	N	N	15	100	20	100	N	N	10	30
MDR197	10	N	N	30	150	30	100	N	N	10	30
MDR198	10	N	N	15	70	20	100	N	N	10	30
MDR199	7	N	N	15	70	30	50	N	N	10	30
MDR200	10	N	N	30	100	30	100	N	N	10	30
MDR201	7	N	N	20	150	30	100	N	N	10	30
MDR202	7	N	N	20	70	20	50	N	N	10	30
MDR203	10	N	N	20	150	30	100	N	N	10	30
MDR204	5	N	N	15	100	30	100	N	N	10	30
MDR205	7	N	N	15	70	30	150	N	N	10	30
MDR206	10	N	N	15	100	20	100	N	N	10	15
MDR207	7	N	N	20	150	20	100	N	N	10	50
MDR208	10	N	N	15	70	30	100	N	N	20	20
MDR209	10	N	N	15	50	20	100	N	N	10	20
MDR210	15	N	N	10	50	15	100	N	N	10	15
MDR211	7	N	N	10	20	15	100	N	N	10	10
MDR212	10	N	N	10	50	20	100	N	N	10	15
MDR213	15	N	N	15	50	30	100	N	N	20	20
MDR214	15	N	N	15	150	30	150	N	N	20	30
MDR215	10	N	N	15	50	20	150	N	N	10	30
MDR216	15	N	N	15	50	20	100	N	N	10	15
MDR217	7	N	N	20	150	30	300	N	N	20	20
MDR218	15	N	N	15	50	20	100	N	N	20	15
MDR219	10	N	N	10	30	15	50	N	N	10	15
MDR220	10	N	N	15	100	30	100	N	N	10	20
MDR221	10	N	N	10	70	30	100	N	N	20	10
MDR222	10	N	N	15	50	20	100	N	N	10	20
MDR223	10	N	N	10	50	20	100	N	N	10	15
MDR224	10	N	N	15	100	20	150	N	N	10	20
MDR225	10	N	N	15	50	20	100	N	N	10	20

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	BE PPM	BI PPM	CD PPM	CU PPM	CR PPM	CU PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR226	10	N	N	20	150	30	50	N	N	10	30
MDR227	15	N	N	15	70	20	100	N	N	10	20
MDR228	7	N	N	15	100	20	150	N	N	20	20
MDR229	7	N	N	15	100	20	100	N	N	10	20
MDR230	15	N	N	10	50	20	100	N	N	10	15
MDR231	15	N	N	15	70	30	100	N	N	10	20
MDR232	10	N	N	20	150	20	150	N	N	20	30
MDR233	7	N	N	15	150	30	50	N	N	10	20
MDR234	10	N	N	15	100	30	100	N	N	10	30
MDR235	5	N	N	30	150	15	100	N	N	10	30
MDR236	15	N	N	15	50	30	50	N	N	10	20
MDR237	10	N	N	15	50	20	100	N	N	10	20
MDR238	10	N	N	15	50	30	100	N	N	10	20
MDR239	10	N	N	15	70	20	50	N	N	10	30
MDR240	10	N	N	15	100	20	100	N	N	10	30
MDR241	15	N	N	15	70	20	100	N	N	20	20
MDR242	10	N	N	20	150	20	100	N	N	10	30
MDR243	15	N	N	15	50	30	100	N	N	10	20
MDR244	10	N	N	15	50	15	100	N	N	10	20
MDR245	10	N	N	15	70	30	100	N	N	20	20
MDR246	15	N	N	15	30	20	100	N	N	10	20
MDR247	10	N	N	15	30	20	100	N	N	20	20
MDR248	10	N	N	15	50	20	100	N	N	10	70
MDR249	7	N	N	15	50	20	100	N	N	10	15
MDR250	10	N	N	15	70	20	100	N	N	10	20
MDR251	10	N	N	20	300	30	100	N	N	20	70
MDR252	10	N	N	15	300	50	100	N	N	10	50
MDR253	15	N	N	10	70	20	100	N	N	10	30
MDR254	10	N	N	10	100	20	150	N	N	10	20
MDR255	10	N	N	15	150	30	100	N	N	10	30
MDR256	15	N	N	15	150	30	100	N	N	10	30
MDR257	10	N	N	15	150	30	150	N	N	20	50
MDR258	10	N	N	15	70	30	100	N	N	10	20
MDR259	15	N	N	15	70	30	100	N	N	10	30
MDR260	15	N	N	15	100	20	100	N	N	10	20
MDR261	10	N	N	10	50	20	100	N	N	10	20
MDR262	15	N	N	15	70	20	100	N	N	20	20
MDR263	30	N	N	15	70	30	100	N	N	10	30
MDR264	10	N	N	10	50	15	50	N	N	10	15
MDR265	15	N	N	10	50	20	50	N	N	10	20
MDR266	10	N	N	15	70	30	100	N	N	10	30
MDR267	10	N	N	10	70	20	100	N	N	10	20
MDR268	10	N	N	15	150	30	50	N	N	10	30
MDR269	7	N	N	10	100	30	50	N	N	20	20
MDR270	10	N	N	10	100	20	50	N	N	10	20

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR271	7	N	N	10	70	50	100	N	N	10	20
MDR272	10	N	N	15	70	30	50	N	N	10	20
MDR273	10	N	N	15	100	20	150	N	N	20	20
MDR274	15	N	N	15	50	30	100	N	N	10	20
MDR275	10	N	N	5	20	15	100	N	N	10	15
MDR276	10	N	N	10	50	20	100	N	N	10	20
MDR277	15	N	N	15	70	30	100	N	N	10	30
MDR278	10	N	N	15	150	30	100	N	N	10	30
MDR279	10	N	N	10	70	15	100	N	N	10	15
MDR280	10	N	N	10	150	20	100	N	N	20	20
MDR281	10	N	N	10	50	30	100	N	N	10	20
MDR282	20	N	N	15	70	30	100	N	N	10	30
MDR283	20	N	N	15	50	30	100	N	N	10	20
MDR284	15	N	N	15	150	30	100	N	N	10	30
MDR285	15	N	N	15	70	50	100	N	N	10	20
MDR286	15	N	N	10	50	50	150	N	N	20	15
MDR287	10	N	N	15	100	30	100	N	N	10	20
MDR288	15	N	N	15	150	30	50	N	N	20	30
MDR289	30	N	N	10	100	50	100	N	N	20	20
MDR290	15	N	N	10	100	30	150	N	N	20	20
MDR291	10	N	N	15	200	30	100	N	N	20	30
MDR292	15	N	N	15	100	30	100	N	N	20	30
MDR293	7	N	N	10	70	20	50	N	N	10	20
MDR294	15	N	N	10	100	30	50	N	N	10	15
MDR295	10	N	N	15	200	30	100	N	N	20	50
MDR296	10	N	N	10	100	20	50	N	N	10	20
MDR297	10	N	N	15	150	20	50	N	N	10	15
MDR298	10	N	N	15	200	20	100	N	N	20	20
MDR299	15	N	N	15	200	30	100	N	N	10	30
MDR300	10	N	N	15	200	20	100	N	N	10	30
MDR301	15	N	N	15	70	30	100	N	N	10	30
MDR302	10	N	N	15	150	30	50	N	N	20	30
MDR303	10	N	N	20	150	20	150	N	N	20	50
MDR304	15	N	N	10	50	20	100	N	N	10	20
MDR305	15	N	N	15	100	30	50	N	N	10	30
MDR306	10	N	N	15	150	30	100	N	N	20	30
MDR307	10	N	N	30	300	30	100	N	N	20	30
MDR308	10	N	N	15	150	30	50	N	N	20	50
MDR309	15	N	N	15	200	30	100	N	N	10	50
MDR310	10	N	N	20	200	30	100	N	N	10	30
MDR311	15	N	N	10	100	70	100	N	N	10	30
MDR312	10	N	N	15	100	30	150	N	N	20	20
MDR313	10	N	N	15	50	30	100	N	N	10	20
MDR314	10	N	N	10	50	15	100	N	N	10	15
MDR315	15	N	N	15	150	70	50	N	N	10	30

sample	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR316	15	N	N	15	70	30	100	N	N	20	20
MDR317	15	N	N	15	150	50	150	N	N	20	30
MDR318	15	N	N	15	100	150	100	N	N	20	30
MDR319	15	N	N	15	300	30	100	N	N	20	30
MDR320	15	N	N	15	100	30	100	N	N	10	20
MDR321	10	N	N	15	100	30	100	N	N	10	20
MDR322	15	N	N	15	50	20	100	N	N	10	20
MDR323	15	N	N	15	50	30	150	N	N	30	15
MDR324	15	N	N	10	50	30	100	N	N	10	20
MDR325	10	N	N	15	100	50	100	N	N	20	20
MDR326	10	N	N	15	100	30	50	N	N	10	30
MDR327	10	N	N	10	50	20	100	N	N	10	10
MDR328	15	N	N	10	70	30	100	N	N	10	15
MDR329	20	N	N	10	50	30	150	N	N	20	20
MDR330	15	N	N	15	70	30	150	N	N	20	20
MDR331	15	N	N	15	150	20	100	N	N	10	20
MDR332	10	N	N	15	150	20	100	N	N	10	30
MDR333	15	N	N	15	150	30	50	N	N	10	30
MDR334	15	N	N	15	100	20	100	N	N	10	30
MDR335	15	N	N	15	300	30	100	N	N	10	50
MDR336	10	N	N	15	200	30	50	N	N	10	30
MDR337	15	N	N	15	300	30	100	N	N	10	50
MDR338	15	N	N	15	200	30	100	N	N	10	50
MDR339	15	N	N	15	100	30	150	N	N	20	50
MDR340	10	N	N	15	200	30	100	N	N	20	50
MDR341	10	N	N	15	150	20	100	N	N	20	20
MDR342	10	N	N	10	150	20	100	N	N	20	30
MDR343	15	N	N	10	30	30	100	N	N	10	10
MDR344	15	N	N	15	50	15	100	N	N	20	30
MDR345	20	N	N	15	50	20	150	N	N	20	20
MDR346	15	N	N	15	150	20	100	N	N	20	30
MDR347	15	N	N	15	150	30	100	N	N	30	30
MDR348	15	N	N	10	70	30	150	N	N	20	30
MDR349	15	N	N	15	200	30	100	N	N	10	30
MDR350	10	N	N	15	150	20	100	N	N	20	20
MDR351	15	N	N	10	50	15	100	N	N	10	15
MDR352	15	N	N	15	70	30	50	N	N	10	20
MDR353	10	N	N	10	50	20	100	N	N	10	15
MDR354	15	N	N	10	50	15	50	N	N	20	7
MDR355	7	N	N	15	100	30	50	N	N	10	30
MDR356	10	N	N	15	100	20	100	N	N	20	20
MDR357	10	N	N	15	150	20	50	N	N	20	30
MDR358	10	N	N	15	200	30	100	N	N	10	50
MDR359	10	N	N	15	150	20	50	N	N	20	30
MDR360	70	N	N	10	50	20	50	N	N	10	10

Appendix b-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	BE PPM	BI PPM	CD PPM	CU PPM	CR PPM	CO PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR361	10	N	N	10	70	20	50	N	N	10	15
MDR362	7	N	N	10	50	20	50	N	N	10	10
MDR363	15	N	N	15	50	30	100	N	N	20	20
MDR364	20	N	N	15	150	30	50	N	N	20	20
MDR365	20	N	N	15	100	30	150	N	N	20	30
MDR366	20	N	N	15	50	20	20	N	N	20	20
MDR367	10	N	N	15	150	50	50	N	N	10	20
MDR368	15	N	N	15	150	20	100	N	N	20	30
MDR369	10	N	N	15	150	30	50	N	N	20	20
MDR370	10	N	N	15	150	20	100	N	N	20	30
MDR371	10	N	N	15	200	30	50	N	N	10	30
MDR372	10	N	N	15	200	30	100	N	N	20	30
MDR373	10	N	N	20	300	30	50	N	N	20	50
MDR374	15	N	N	15	150	20	100	N	N	20	20
MDR375	15	N	N	15	150	30	100	N	N	20	20
MDR376	15	N	N	10	50	20	100	N	N	10	15
MDR377	10	N	N	15	10	50	100	N	N	10	15
MDR378	15	N	N	15	70	30	100	N	N	10	20
MDR379	10	N	N	10	100	20	50	N	N	20	15
MDR380	10	N	N	10	100	20	100	N	N	20	15
MDR381	10	N	N	10	50	20	100	N	N	20	20
MDR382	10	N	N	10	50	15	50	N	N	20	15
MDR383	10	N	N	5	70	30	20	N	N	10	5
MDR384	10	N	N	10	100	15	50	N	N	10	10
MDR385	7	N	N	5	20	15	20	N	N	N	10
MDR386	10	N	N	10	50	15	50	N	N	20	10
MDR387	10	N	N	10	50	15	20	N	N	10	15
MDR388	7	N	N	10	50	15	100	N	N	20	5
MDR389	10	N	N	10	50	15	50	N	N	20	5
MDR390	10	N	N	15	70	20	20	N	N	10	15
MDR391	10	N	N	10	50	20	50	N	N	10	15
MDR392	10	N	N	5	30	15	100	N	N	10	5
MDR393	10	N	N	10	50	20	100	N	N	20	20
MDR394	20	N	N	10	70	15	50	N	N	10	15
MDR395	5	N	N	15	50	20	100	N	N	20	15
MDR396	10	N	N	10	50	15	100	N	N	10	7
MDR397	10	N	N	5	70	10	50	N	N	10	15
MDR398	10	N	N	5	50	15	50	N	N	10	10
MDR399	10	N	N	10	70	20	50	N	N	10	20
MDR400	10	N	N	5	50	15	100	N	N	10	15
MDR401	10	N	N	10	100	15	50	N	N	10	15
MDR402	10	N	N	10	30	20	100	N	N	10	15
MDR403	10	N	N	10	50	15	50	N	N	10	15
MDR404	10	N	N	10	50	15	50	N	N	10	15
MDR405	10	N	N	5	5	15	20	N	N	20	5

sample	BE PPM	BI PPM	CD PPM	CU PPM	CR PPM	CU PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR406	15	N	N	10	50	15	50	N	N	10	15
MDR407	10	N	N	10	50	20	50	N	N	10	15
MDR408	10	N	N	10	50	20	50	N	N	10	15
MDR409	20	N	N	10	50	20	50	N	N	10	15
MDR410	7	N	N	10	50	20	50	N	N	10	15
MDR411	10	N	N	10	50	15	20	N	N	10	15
MDR412	7	N	N	10	50	15	50	N	N	10	15
MDR413	10	10	N	15	70	20	100	N	N	10	20
MDR414	15	N	N	10	30	15	100	N	N	10	15
MDR415	15	N	N	10	50	20	100	N	N	10	15
MDR416	15	N	N	10	50	30	50	N	N	10	15
MDR417	15	N	N	15	50	5	50	N	N	20	15
MDR418	5	N	N	N	10	<5	100	N	N	N	N
MDR419	7	N	N	N	20	15	20	N	N	N	5
MDR420	5	N	N	N	10	10	50	N	N	N	N
MDR421	7	N	N	N	20	7	50	N	N	10	N
MDR422	10	N	N	N	20	10	50	N	N	N	5
MDR423	5	N	N	5	10	5	20	N	N	20	5
MDR424	10	N	N	5	20	15	50	N	N	10	10
MDR425	10	N	N	10	30	20	100	N	N	10	15
MDR426	10	N	N	15	200	50	50	N	N	20	50
MDR427	10	N	N	15	150	20	50	N	N	10	30
MDR428	10	N	N	10	150	30	100	N	N	10	50
MDR429	10	N	N	10	100	20	100	N	N	10	20
MDR430	10	N	N	20	300	30	100	N	N	20	50
MDR431	15	N	N	15	300	30	100	N	N	20	30
MDR432	15	N	N	15	150	30	100	N	N	10	20
MDR433	10	N	N	20	300	30	100	N	N	20	50
MDR434	7	N	N	20	700	30	50	N	N	20	50
MDR435	7	N	N	15	200	30	100	N	N	20	50
MDR436	10	N	N	15	200	30	100	N	N	10	30
MDR437	10	N	N	15	300	30	100	N	N	20	50
MDR438	10	N	N	15	300	30	100	N	N	20	50
MDR439	15	N	N	20	100	30	20	N	N	10	30
MDR440	15	N	N	15	150	30	50	N	N	10	50
MDR441	10	N	N	15	300	30	100	N	N	20	30
MDR442	10	N	N	20	300	30	100	N	N	10	50
MDR443	10	N	N	15	150	30	50	N	N	20	30
MDR444	10	N	N	15	150	30	100	N	N	10	30
MDR445	15	N	N	15	150	20	100	N	N	10	30
MDR446	10	N	N	10	50	20	20	N	N	10	15
MDR447	10	N	N	15	150	20	100	N	N	10	30
MDR448	10	N	N	15	150	30	50	N	N	10	30
MDR449	10	N	N	20	300	30	100	N	N	20	50
MDR450	10	N	N	20	300	30	100	N	N	20	50

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR451	15	N	N	10	50	20	100	N	N	10	15
MDR452	10	N	N	15	150	20	50	N	N	20	50
MDR453	10	N	N	15	300	30	100	N	N	10	30
MDR454	5	N	N	20	500	30	100	N	N	20	50
MDR455	10	N	N	15	200	30	50	N	N	20	50
MDR456	10	N	N	20	300	50	100	N	N	10	30
MDR457	10	N	N	15	200	30	100	N	N	20	50
MDR458	7	N	N	15	150	30	100	N	N	20	30
MDR459	10	N	N	10	50	15	100	N	N	10	20
MDR460	15	N	N	15	150	20	100	N	N	10	30
MDR461	7	N	N	15	200	30	100	N	N	20	50
MDR462	10	N	N	15	150	15	100	N	N	20	20
MDR463	15	N	N	15	150	30	100	N	N	10	15
MDR464	15	N	N	10	50	15	100	N	N	10	20
MDR465	10	N	N	10	70	15	100	N	N	20	20
MDR466	10	N	N	15	50	20	50	N	N	10	15
MDR467	10	N	N	15	100	20	100	N	N	20	20
MDR468	15	N	N	10	100	30	50	N	N	10	15
MDR469	10	N	N	10	30	20	100	N	N	10	10
MDR470	10	N	N	10	50	15	20	N	N	10	15
MDR471	5	N	N	10	50	10	20	N	N	10	15
MDR472	10	N	N	5	50	15	50	N	N	10	15
MDR473	10	N	N	10	50	15	100	N	N	10	15
MDR474	15	N	N	10	50	20	100	N	N	10	20
MDR475	15	N	N	10	50	15	100	N	N	10	20
MDR476	15	N	N	15	150	15	100	N	N	20	30
MDR477	10	N	N	10	150	30	50	N	N	10	20
MDR478	10	N	N	5	50	15	N	N	N	10	15
MDR479	5	N	N	5	30	10	20	N	N	10	<5
MDR480	10	N	N	10	50	20	50	N	N	10	15
MDR481	7	N	N	5	50	10	50	N	N	10	10
MDR482	7	N	N	5	50	10	100	N	N	10	7
MDR483	10	N	N	10	50	20	150	N	N	10	15
MDR484	10	N	N	5	50	15	20	N	N	10	15
MDR485	10	N	N	5	50	15	50	N	N	10	15
MDR486	15	N	N	10	50	20	50	N	N	10	15
MDR487	10	N	N	10	70	15	50	N	N	20	20
MDR488	10	N	N	10	100	20	100	N	N	10	20
MDR489	10	N	N	10	100	15	100	N	N	10	20
MDR490	15	N	N	5	30	20	50	N	N	10	10
MDR491	10	N	N	10	150	20	50	N	N	10	20
MDR492	10	N	N	10	70	20	50	N	N	20	15
MDR493	10	N	N	10	100	15	100	N	N	20	20
MDR494	15	N	N	15	50	20	100	N	N	10	30
MDR495	10	N	N	10	50	20	50	N	N	10	15

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	BE PPM	BI PPM	CD PPM	CU PPM	CR PPM	CU PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR496	10	N	N	10	100	15	100	N	N	20	15
MDR497	15	N	N	10	70	30	100	N	N	20	20
MDR498	15	N	N	10	50	15	100	N	N	20	20
MDR499	10	N	N	10	70	15	100	N	N	10	15
MDR500	15	N	N	10	50	20	100	N	N	10	15
MDR776	15	N	N	15	50	20	150	N	N	10	15
MDR777	10	N	N	15	70	30	150	N	N	10	70
MDR778	10	N	N	15	100	30	50	N	N	10	30
MDR779	10	N	N	15	100	30	100	N	N	10	30
MDR780	7	N	N	20	70	30	100	N	N	10	20
MDR781	15	N	N	15	50	30	100	N	N	10	30
MDR782	15	N	N	15	70	30	100	N	N	20	20
MDR783	10	N	N	15	30	20	100	N	N	10	15
MDR784	10	N	N	15	30	30	100	N	N	10	15
MDR785	10	N	N	10	30	20	100	N	N	10	15
MDR786	10	N	N	15	50	30	100	N	N	10	30
MDR787	7	N	N	15	50	30	50	N	N	10	15
MDR788	15	N	N	15	50	30	150	N	N	10	20
MDR789	15	N	N	10	30	15	100	N	N	10	10
MDR790	10	N	N	15	30	30	100	N	N	10	15
MDR791	10	N	N	15	30	30	100	N	N	10	15
MDR792	7	N	N	15	50	30	100	N	N	10	20
MDR793	7	N	N	10	20	20	100	N	N	10	15
MDR794	7	N	N	15	150	30	100	N	N	20	50
MDR795	10	N	N	15	150	30	50	N	N	10	20
MDR796	10	N	N	15	70	20	100	N	N	10	30
MDR797	10	N	N	15	50	30	100	N	N	10	20
MDR798	15	N	N	15	50	30	100	N	N	10	20
MDR799	10	N	N	15	30	20	100	N	N	10	20
MDR800	7	N	N	30	200	20	100	N	N	10	30
MDR801	10	N	N	15	50	30	100	N	N	10	20
MDR802	7	N	N	30	150	30	100	N	N	10	30
MDR803	10	N	N	15	70	30	50	N	N	10	30
MDR804	15	N	N	15	50	20	100	N	N	10	20
MDR805	15	N	N	15	50	30	100	N	N	10	15
MDR806	10	N	N	15	100	30	100	N	N	10	30
MDR807	7	N	N	15	50	30	100	N	N	10	20
MDR808	10	N	N	10	70	20	100	N	N	10	15
MDR809	10	N	N	10	50	10	50	N	N	20	15
MDR810	10	N	N	15	70	20	100	N	N	10	20
MDR811	10	N	N	10	50	15	50	N	N	10	15
MDR812	10	N	N	10	100	15	50	N	N	10	15
MDR813	7	N	N	10	150	15	100	N	N	10	15
MDR814	10	N	N	10	100	20	100	N	N	20	20
MDR815	10	N	N	10	50	15	50	N	N	10	15

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR816	10	N	N	10	100	30	100	N	N	10	15
MDR817	10	N	N	10	10	20	100	N	N	10	15
MDR818	10	N	N	10	30	15	100	N	N	20	15
MDR819	15	N	N	10	150	20	100	N	N	20	30
MDR820	10	N	N	15	100	15	100	N	N	10	20
MDR821	15	N	N	10	50	20	100	N	N	10	15
MDR822	10	N	N	10	70	15	50	N	N	10	15
MDR823	10	N	N	10	70	20	100	N	N	10	15
MDR824	15	N	N	10	50	20	100	N	N	10	15
MDR825	7	N	N	5	30	15	50	N	N	10	10
MDR826	10	N	N	5	30	15	100	N	N	10	10
MDR827	10	N	N	10	150	15	100	N	N	20	15
MDR828	7	N	N	10	200	15	50	N	N	10	15
MDR829	10	N	N	10	50	20	100	N	N	10	15
MDR830	10	N	N	10	50	15	50	N	N	10	15
MDR851	15	N	N	15	50	30	100	N	N	20	20
MDR852	10	N	N	15	50	20	100	N	N	20	15
MDR853	15	N	N	10	50	20	100	N	N	10	20
MDR854	10	N	N	20	150	30	100	N	N	10	20
MDR855	10	N	N	15	150	20	100	N	N	10	15
MDR856	10	N	N	20	100	20	100	N	N	20	30
MDR857	10	N	N	15	100	20	100	N	N	20	20
MDR858	10	N	N	15	50	20	100	N	N	10	20
MDR859	10	N	N	15	30	20	100	N	N	10	15
MDR860	7	N	N	15	70	30	100	N	N	10	20
MDR861	10	N	N	15	50	30	100	N	N	10	20
MDR862	15	N	N	20	100	30	150	N	N	20	20
MDR863	10	N	N	15	100	30	100	N	N	20	30
MDR864	7	N	N	20	150	30	50	N	N	10	30
MDR865	10	N	N	15	50	20	100	N	N	10	20
MDR866	15	N	N	15	30	30	100	N	N	10	20
MDR867	7	N	N	15	50	30	100	N	N	10	15
MDR868	10	N	N	15	50	30	100	N	N	10	20
MDR869	10	N	N	15	50	30	100	N	N	10	20
MDR870	5	N	N	15	50	30	50	N	N	10	30
MDR871	10	N	N	15	70	30	100	N	N	10	30
MDR872	10	N	N	15	100	30	100	N	N	10	30
MDR873	10	N	N	15	100	20	100	N	N	10	30
MDR874	10	N	N	30	150	30	100	N	N	20	30
MDR875	10	N	N	15	50	30	100	N	N	20	20
MDR876	5	N	N	N	10	7	50	N	N	N	N
MDR877	10	N	N	5	20	10	50	N	N	N	<5
MDR878	10	N	N	10	20	20	50	N	N	10	10
MDR879	10	N	N	10	50	15	100	N	N	10	10
MDR880	10	N	N	5	20	10	50	N	N	N	5

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR881	10	N	N	10	30	15	100	N	N	10	15
MDR882	7	N	N	5	50	15	50	N	N	10	15
MDR883	7	N	N	5	20	15	50	N	N	N	10
MDR884	7	N	N	5	30	15	50	N	N	10	10
MDR885	10	N	N	10	50	15	50	N	N	10	15
MDR886	10	N	N	10	30	15	20	N	N	10	15
MDR887	7	N	N	10	50	15	50	N	N	10	5
MDR888	10	N	N	10	70	20	100	N	N	20	20
MDR889	15	N	10	10	30	20	100	N	N	10	15
MDR890	10	N	N	5	50	15	20	N	N	10	15
MDR891	10	N	N	10	50	2	100	N	N	20	10
MDR892	7	N	N	5	50	15	100	N	N	10	10
MDR893	7	N	N	5	30	5	50	N	N	N	<5
MDR894	7	N	N	5	100	10	50	N	N	10	10
MDR895	10	N	N	10	150	20	50	N	N	10	50
MDR896	7	N	N	N	20	20	50	N	N	10	N
MDR897	10	N	N	5	30	15	100	N	N	N	5
MDR898	15	N	N	10	30	20	100	N	N	10	15
MDR899	7	N	N	5	50	20	50	N	N	10	10
MDR900	10	N	N	10	100	7	100	N	N	20	10
MDR926	10	N	N	10	50	30	100	N	N	10	20
MDR927	10	N	N	10	70	5	100	N	N	20	20
MDR928	10	N	N	5	30	20	50	N	N	10	5
MDR929	10	N	N	10	50	20	100	N	N	20	15
MDR930	10	N	N	10	30	15	100	N	N	10	15
MDR931	10	N	N	10	30	15	50	N	N	10	15
MDR932	15	N	N	10	50	30	100	N	N	10	20
MDR933	10	N	N	10	50	15	100	N	N	10	15
MDR934	10	N	N	10	50	15	50	N	N	10	10
MDR935	15	N	N	10	30	5	20	N	N	10	15
MDR936	15	N	N	10	50	10	100	N	N	20	15
MDR937	10	N	N	10	50	15	100	N	N	10	15
MDR938	7	N	N	10	50	15	50	N	N	10	10
MDR939	10	N	N	5	50	20	50	N	N	20	5
MDR940	15	N	N	10	50	15	50	N	N	20	15
MDR941	15	N	N	10	50	20	50	N	N	10	15
MDR942	10	N	N	10	30	15	150	N	N	20	5
MDR943	10	N	N	10	20	15	50	N	N	10	15
MDR944	10	N	N	10	50	42	100	N	N	10	15
MDR945	15	N	N	10	50	20	100	N	N	10	20
MDR946	10	N	N	10	70	15	100	N	N	20	15
MDR947	15	N	N	10	50	20	50	N	N	20	15
MDR948	15	N	N	10	50	20	50	N	N	20	15
MDR949	15	N	N	10	50	20	50	N	N	10	20
MDR950	15	N	N	10	50	15	50	N	N	10	15

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	BE PPM	BI PPM	CD PPM	CU PPM	CR PPM	CU PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM
MDR951	10	N	N	10	30	15	50	N	N	10	10
MDR952	10	N	N	10	30	15	50	N	N	10	15
MDR953	7	N	N	10	70	30	100	N	N	10	20
MDR954	15	N	N	10	50	20	100	N	N	20	15
MDR955	10	N	N	10	50	30	100	N	N	20	20
MDR956	10	N	N	10	50	50	20	N	N	10	15
MDR957	10	N	N	10	50	10	100	N	N	20	20
MDR958	10	N	N	10	50	15	100	N	N	10	20
MDR959	15	N	N	10	30	15	50	N	N	10	10
MDR960	10	N	N	5	50	15	50	N	N	10	5
MDR961	7	N	N	5	20	15	50	N	N	10	10
MDR962	7	N	N	10	100	20	50	N	N	20	15
MDR963	10	N	N	5	30	15	50	N	N	N	20
MDR964	10	N	N	10	70	20	50	N	N	10	20
MDR965	10	N	N	5	50	20	50	N	N	10	10
MDR966	7	N	N	10	70	20	100	N	N	20	20
MDR967	7	N	N	10	70	20	50	N	N	10	20
MDR968	7	N	N	10	50	20	100	N	N	10	15
MDR969	7	N	N	N	20	10	20	N	N	N	5
MDR970	15	N	N	10	30	20	50	N	N	10	15
MDR971	15	N	N	10	30	15	100	N	N	20	15
MDR972	10	N	N	5	30	15	50	N	N	10	10
MDR973	5	N	N	5	10	20	50	N	N	N	10
MDR974	15	N	N	5	30	15	50	N	N	10	15
MDR975	7	N	N	N	20	20	50	N	N	10	5
MDR976	10	N	N	10	50	20	50	N	N	10	20
MDR977	15	N	N	15	50	20	50	N	N	20	30
MDR978	15	N	N	10	50	30	100	N	N	10	15
MDR979	15	N	N	10	30	15	50	N	N	10	20
MDR980	15	N	N	10	30	15	100	N	N	10	15
MDR981	15	N	N	10	50	20	50	N	N	10	15
MDR982	15	N	N	5	30	30	50	N	N	N	15
MDR990	7	N	N	10	50	15	100	N	N	10	15
MDR991	7	N	N	5	30	15	50	N	N	10	10
MDR992	10	N	N	10	50	15	50	N	N	10	20
MDR993	10	N	N	10	30	15	100	N	N	10	10
MDR994	7	N	N	10	50	15	100	N	N	10	15
MDR995	10	N	N	5	30	10	50	N	N	10	15
MDR996	15	N	N	10	50	20	50	N	N	10	5

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro

sample	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR001	50	N	10	N	700	20	N	10	N	300
MDR002	50	N	10	N	500	15	N	10	N	100
MDR003	50	N	10	N	500	20	N	20	N	300
MDR004	30	N	15	N	700	20	N	50	N	200
MDR005	70	N	10	N	500	20	N	20	N	200
MDR006	50	N	10	N	700	20	N	20	N	300
MDR007	50	N	10	N	700	20	N	20	N	200
MDR008	50	N	15	N	700	20	N	50	N	300
MDR009	50	N	15	N	700	20	N	20	N	500
MDR010	50	N	15	N	700	30	N	20	<200	200
MDR011	50	N	15	N	700	100	N	50	<200	700
MDR012	30	N	15	N	1,000	70	N	50	<200	500
MDR013	30	N	20	N	700	70	N	50	N	700
MDR014	30	N	15	N	500	20	N	20	N	200
MDR015	30	N	10	N	700	50	N	20	200	300
MDR016	30	N	10	N	700	30	N	20	200	300
MDR017	30	N	15	N	700	100	N	20	200	>1,000
MDR018	30	N	15	N	700	70	N	20	200	300
MDR019	70	N	15	N	700	30	N	20	<200	500
MDR020	50	N	20	N	700	200	N	10	N	>1,000
MDR021	30	N	15	N	700	100	N	10	200	300
MDR022	30	N	20	N	700	100	N	50	N	>1,000
MDR023	30	N	15	N	700	50	N	10	200	300
MDR024	50	N	15	N	700	20	N	10	N	100
MDR025	30	N	15	N	700	100	N	20	200	300
MDR026	50	N	10	N	700	30	N	10	N	700
MDR027	30	N	10	N	1,000	30	N	10	N	300
MDR028	30	N	10	N	700	50	N	20	<200	200
MDR029	50	N	15	N	1,000	30	N	20	N	>1,000
MDR030	30	N	15	10	1,000	70	N	20	300	500
MDR031	30	N	10	N	700	50	N	10	<200	200
MDR032	70	N	15	N	700	20	N	20	N	700
MDR033	30	N	30	N	700	100	N	70	N	>1,000
MDR034	30	N	15	N	700	30	N	10	N	700
MDR035	30	N	10	N	1,000	50	N	10	<200	300
MDR036	50	N	15	N	700	30	N	50	N	1,000
MDR037	50	N	15	N	700	30	N	20	<200	300
MDR038	30	N	15	N	1,000	50	N	20	<200	500
MDR039	30	N	10	N	700	20	N	10	N	200
MDR040	30	N	10	N	700	20	N	20	N	300
MDR041	30	N	15	N	700	100	N	50	200	>1,000
MDR042	50	N	10	N	700	50	N	10	200	200
MDR043	30	N	10	N	700	70	N	20	<200	200
MDR044	30	N	20	N	700	70	N	20	<200	>1,000
MDR045	30	N	10	N	700	30	N	10	<200	200

Appendix b-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR046	50	N	10	N	500	50	N	10	<200	300
MDR047	30	N	15	N	700	70	N	70	200	>1,000
MDR048	30	N	15	N	500	20	N	20	N	700
MDR049	50	N	5	N	500	20	N	10	N	100
MDR050	30	N	10	N	700	70	N	10	200	200
MDR051	30	N	15	N	500	100	N	10	300	700
MDR052	30	N	10	N	700	20	N	10	N	300
MDR053	70	N	10	N	500	20	N	20	N	300
MDR054	20	N	5	N	500	20	N	10	N	300
MDR055	30	N	10	N	300	20	N	20	N	700
MDR056	30	N	15	N	500	30	N	20	N	700
MDR057	30	N	20	N	1,000	30	N	20	N	300
MDR058	30	N	15	N	700	30	N	10	N	500
MDR059	30	N	15	N	700	30	N	20	N	700
MDR060	30	N	10	N	700	30	N	20	N	700
MDR061	50	N	15	N	700	50	N	20	<200	700
MDR062	20	N	10	N	300	30	N	10	N	700
MDR063	70	N	10	N	500	20	N	20	N	1,000
MDR064	30	N	15	N	700	30	N	20	N	300
MDR065	30	N	20	N	1,000	50	N	20	N	200
MDR066	30	N	10	N	700	70	N	10	<200	300
MDR067	50	N	10	N	300	20	N	50	N	700
MDR068	30	N	20	N	700	50	N	20	N	300
MDR069	30	N	30	N	700	100	N	20	200	300
MDR070	30	N	10	N	700	20	N	20	N	700
MDR071	50	N	10	N	500	20	N	10	N	300
MDR072	50	N	10	N	500	30	N	20	N	300
MDR073	50	N	10	N	500	20	N	20	N	500
MDR074	30	N	10	N	500	50	N	10	N	1,000
MDR075	30	N	10	N	300	30	N	10	N	>1,000
MDR076	50	N	10	N	500	20	N	10	N	500
MDR077	30	N	10	N	300	20	N	10	N	200
MDR078	50	N	10	N	500	30	N	20	N	1,000
MDR079	50	N	10	N	300	20	N	50	N	1,000
MDR080	50	N	10	N	300	30	N	20	N	300
MDR081	50	N	10	N	300	30	N	20	N	>1,000
MDR082	50	N	10	N	300	20	N	20	N	700
MDR083	50	N	10	N	300	20	N	10	N	700
MDR084	50	N	10	N	300	30	N	20	N	500
MDR085	50	N	10	N	500	20	N	20	N	500
MDR086	50	N	10	N	300	30	N	20	N	700
MDR087	50	N	10	N	300	20	N	10	N	300
MDR088	50	N	10	N	500	20	N	10	N	300
MDR089	50	N	10	N	500	30	N	20	N	500
MDR090	50	N	10	N	300	20	N	20	N	500

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	Pb PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR091	50	N	15	<10	300	30	N	20	N	200
MDR092	50	N	15	N	300	30	N	50	N	1,000
MDR093	50	N	15	N	300	30	N	20	N	700
MDR094	50	N	15	N	500	20	N	20	N	70
MDR095	50	N	15	N	500	50	N	50	N	>1,000
MDR096	50	N	10	N	700	15	N	10	N	100
MDR097	30	N	10	N	700	20	N	10	N	100
MDR098	30	N	30	N	700	100	N	50	N	700
MDR099	30	N	10	N	700	700	N	10	N	300
MDR100	50	N	10	N	700	20	N	10	N	200
MDR101	50	N	15	N	700	20	N	20	N	1,000
MDR102	30	N	15	N	1,000	30	N	10	N	300
MDR103	50	N	15	N	700	30	N	20	N	1,000
MDR104	30	N	15	N	700	50	N	20	<200	700
MDR105	50	N	15	N	1,000	50	N	10	<200	1,000
MDR106	50	N	15	N	1,000	30	N	20	N	500
MDR107	70	N	15	N	700	30	N	20	N	300
MDR108	30	N	10	N	700	50	N	10	<200	700
MDR109	50	N	20	N	700	100	N	20	<200	>1,000
MDR110	50	N	10	N	1,000	70	N	70	200	300
MDR111	50	N	10	N	700	20	N	10	N	200
MDR112	30	N	15	N	700	30	N	10	N	300
MDR113	70	N	15	N	700	20	N	20	N	300
MDR114	70	N	10	N	700	20	N	20	N	300
MDR115	70	N	10	N	700	20	N	20	N	300
MDR116	70	N	10	N	700	20	N	20	N	300
MDR117	30	N	15	N	700	30	N	20	N	200
MDR118	70	N	10	N	300	15	N	50	N	300
MDR119	50	N	15	N	700	20	N	20	N	1,000
MDR120	50	N	10	15	700	20	N	20	N	500
MDR121	70	N	15	N	700	20	N	70	N	700
MDR122	50	N	15	N	700	70	N	10	<200	>1,000
MDR123	50	N	15	N	1,000	50	N	20	<200	700
MDR124	50	N	15	N	1,000	30	N	10	N	700
MDR125	50	N	15	N	700	70	N	50	<200	>1,000
MDR126	30	N	15	N	700	50	N	10	N	700
MDR127	20	N	15	N	700	30	N	10	N	500
MDR128	30	N	10	N	700	100	N	10	N	70
MDR129	50	N	15	N	700	100	N	10	<200	>1,000
MDR130	50	N	15	N	700	30	N	20	N	300
MDR131	50	N	10	N	500	20	N	70	N	500
MDR132	70	N	15	150	700	30	N	50	N	700
MDR133	70	N	15	N	500	30	N	20	N	300
MDR134	70	N	15	N	300	20	N	20	N	200
MDR135	70	N	15	N	500	20	N	20	N	500

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR136	70	N	15	N	500	20	N	20	N	500
MDR137	30	N	15	N	700	100	N	10	200	>1,000
MDR138	30	N	15	N	700	70	N	20	<200	>1,000
MDR139	30	N	15	N	700	70	N	10	300	>1,000
MDR140	50	N	10	N	700	50	N	10	200	500
MDR141	50	N	20	N	1,000	30	N	20	<200	1,000
MDR142	30	N	15	N	700	100	N	10	N	300
MDR143	50	N	15	N	700	100	N	20	300	>1,000
MDR144	30	N	15	N	700	70	N	10	300	300
MDR145	50	N	20	N	700	100	N	20	200	>1,000
MDR146	30	N	15	N	700	20	N	20	N	500
MDR147	30	N	15	N	700	30	N	10	N	300
MDR148	50	N	20	N	700	100	N	20	<200	>1,000
MDR149	30	N	15	N	700	100	N	10	300	>1,000
MDR150	50	N	10	N	700	30	N	10	N	300
MDR151	50	N	10	10	1,000	20	N	10	N	300
MDR152	20	N	10	N	700	15	N	10	N	100
MDR153	50	N	10	N	700	20	N	10	N	200
MDR154	50	N	10	N	700	20	N	20	N	200
MDR155	30	N	30	N	700	30	N	10	N	200
MDR156	50	N	10	N	700	20	N	50	N	1,000
MDR157	30	N	10	N	700	30	N	20	N	300
MDR158	50	N	10	N	500	30	N	10	N	500
MDR159	50	N	15	N	700	50	N	20	N	700
MDR160	50	N	20	N	1,000	30	N	20	N	300
MDR161	50	N	10	10	1,000	30	N	10	N	100
MDR162	30	N	15	N	1,000	20	N	10	N	100
MDR163	50	N	10	N	700	20	N	10	N	200
MDR164	50	N	10	N	700	30	N	10	N	100
MDR165	50	N	15	N	1,000	30	N	10	N	300
MDR166	50	N	10	N	1,000	20	N	10	N	200
MDR167	50	N	10	N	700	30	N	10	N	200
MDR168	50	N	15	N	700	30	N	20	N	300
MDR169	70	N	15	N	1,000	50	N	10	300	300
MDR170	50	N	15	N	1,000	30	N	20	N	500
MDR171	50	N	15	N	1,000	30	N	10	N	100
MDR172	20	N	20	N	700	200	N	20	N	>1,000
MDR173	50	N	20	N	700	50	N	20	N	1,000
MDR174	50	N	15	10	700	30	N	10	N	100
MDR175	50	N	10	N	700	20	N	20	N	200
MDR176	30	N	15	N	700	20	N	20	N	300
MDR177	50	N	10	N	700	20	N	50	N	200
MDR178	30	N	20	N	700	30	N	50	N	500
MDR179	50	N	15	N	700	20	N	50	N	300
MDR180	30	N	15	10	1,000	50	N	20	N	>1,000

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR181	30	100	15	N	1,000	50	N	20	200	300
MDR182	30	N	10	N	700	70	N	20	200	1,000
MDR183	30	N	15	N	700	70	N	10	N	>1,000
MDR184	50	N	10	N	700	20	N	20	N	500
MDR185	50	N	10	N	700	20	N	70	N	500
MDR186	30	N	15	N	700	50	N	20	200	1,000
MDR187	30	N	10	N	700	20	N	10	N	300
MDR188	30	N	10	N	700	100	N	10	200	700
MDR189	30	N	30	N	1,500	50	N	20	N	200
MDR190	30	N	30	N	700	100	N	50	<200	700
MDR191	30	N	15	N	700	100	N	10	N	500
MDR192	30	N	15	N	700	70	N	10	300	100
MDR193	30	N	15	N	700	50	N	20	N	300
MDR194	20	N	10	N	500	70	N	20	200	>1,000
MDR195	30	N	20	N	700	100	N	20	<200	>1,000
MDR196	30	N	10	<10	700	20	N	20	N	200
MDR197	30	N	15	N	1,000	30	N	20	<200	1,000
MDR198	30	N	15	N	1,000	30	N	10	N	300
MDR199	30	N	10	N	700	30	N	10	N	200
MDR200	50	N	10	N	700	100	N	10	300	500
MDR201	30	N	15	N	700	200	N	20	200	300
MDR202	30	N	10	N	1,000	50	N	10	N	200
MDR203	30	N	30	N	1,000	100	N	50	200	>1,000
MDR204	50	N	15	N	700	50	N	10	N	300
MDR205	50	N	15	N	700	50	N	20	300	500
MDR206	50	N	15	N	700	50	N	50	N	1,000
MDR207	50	N	15	N	700	200	N	10	200	1,000
MDR208	30	N	15	N	500	30	N	50	N	>1,000
MDR209	50	N	10	N	500	20	N	20	N	300
MDR210	50	N	10	N	200	20	N	20	N	200
MDR211	30	N	5	N	200	20	N	10	N	500
MDR212	50	N	10	N	200	30	N	20	N	500
MDR213	50	N	15	N	700	30	N	20	N	700
MDR214	50	N	15	N	300	30	N	50	N	1,000
MDR215	50	N	15	N	500	20	N	50	N	500
MDR216	70	N	10	N	700	20	N	50	N	300
MDR217	50	N	30	N	200	300	N	>200	<200	>1,000
MDR218	50	N	15	N	300	30	N	20	N	>1,000
MDR219	50	N	10	N	300	20	N	10	N	200
MDR220	50	N	10	N	500	20	N	20	N	700
MDR221	50	N	15	N	300	30	N	70	N	>1,000
MDR222	50	N	10	N	300	30	N	20	N	700
MDR223	50	N	10	N	700	20	N	20	N	1,000
MDR224	50	N	10	N	500	20	N	50	N	700
MDR225	50	N	10	N	700	50	N	20	N	700

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Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR226	30	N	15	N	1,500	50	N	20	<200	700
MDR227	30	N	10	N	700	30	N	20	N	200
MDR228	30	N	15	N	500	100	N	20	N	>1,000
MDR229	30	N	15	N	700	70	N	20	N	300
MDR230	30	N	10	N	700	30	N	10	N	100
MDR231	50	N	15	N	700	20	N	20	N	700
MDR232	50	N	15	N	700	100	N	20	300	>1,000
MDR233	50	N	15	N	1,000	30	N	10	N	500
MDR234	50	N	15	N	700	30	N	20	N	500
MDR235	30	N	20	N	700	100	N	50	N	>1,000
MDR236	50	N	10	15	1,000	30	N	10	N	300
MDR237	30	N	15	N	700	30	N	20	N	500
MDR238	30	N	10	N	700	20	N	20	N	200
MDR239	30	N	10	N	1,000	30	N	70	N	700
MDR240	50	N	15	N	1,000	30	N	20	N	300
MDR241	30	N	15	N	1,000	30	N	50	N	300
MDR242	50	N	15	N	1,000	30	N	20	<200	500
MDR243	50	N	10	N	700	20	N	20	N	200
MDR244	50	N	10	N	700	30	N	20	N	700
MDR245	50	N	10	N	500	20	N	10	N	300
MDR246	30	N	10	N	500	20	N	20	N	200
MDR247	50	N	15	10	700	20	N	20	N	300
MDR248	50	N	10	<10	500	20	N	10	N	200
MDR249	30	N	10	N	700	50	N	20	N	>1,000
MDR250	50	N	10	N	700	20	N	20	N	300
MDR251	50	N	20	N	700	50	N	20	N	500
MDR252	30	N	15	N	700	50	N	10	N	500
MDR253	50	N	10	N	700	20	N	70	N	700
MDR254	70	N	10	N	300	20	N	10	N	>1,000
MDR255	50	N	10	N	300	30	N	20	N	1,000
MDR256	50	N	10	N	700	30	N	20	N	200
MDR257	50	N	20	N	500	50	N	50	N	>1,000
MDR258	50	N	15	N	300	30	N	10	N	1,000
MDR259	50	N	15	N	500	30	N	10	N	700
MDR260	70	N	10	N	300	20	N	50	N	>1,000
MDR261	70	N	5	N	200	20	N	10	N	1,000
MDR262	50	N	10	N	300	15	N	20	N	500
MDR263	50	N	15	N	300	20	N	20	N	100
MDR264	50	N	10	N	700	15	N	10	N	200
MDR265	50	N	10	N	500	20	N	10	N	300
MDR266	50	N	10	N	300	20	N	20	N	300
MDR267	50	N	10	N	300	15	N	10	N	200
MDR268	30	N	10	N	300	15	N	10	N	200
MDR269	50	N	10	N	700	20	N	10	N	1,000
MDR270	30	N	10	N	500	20	N	50	N	300

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR271	50	N	10	N	700	15	N	10	N	300
MDR272	50	N	10	N	500	20	N	10	N	300
MDR273	50	N	15	N	500	30	N	70	N	>1,000
MDR274	50	N	10	N	300	20	N	50	N	100
MDR275	30	N	5	N	700	15	N	10	N	200
MDR276	50	N	10	N	500	20	N	10	N	200
MDR277	50	N	15	N	300	30	N	50	N	700
MDR278	30	N	10	N	500	20	N	20	N	300
MDR279	70	N	10	N	500	20	N	70	N	300
MDR280	50	N	10	N	500	30	N	50	N	1,000
MDR281	50	N	10	N	300	15	N	20	N	300
MDR282	30	N	20	N	500	30	N	70	N	700
MDR283	70	N	10	N	500	20	N	20	N	700
MDR284	50	N	15	N	300	30	N	70	N	>1,000
MDR285	70	N	10	N	300	20	N	50	N	1,000
MDR286	70	N	15	N	300	20	N	70	N	700
MDR287	70	N	10	N	300	20	N	20	N	300
MDR288	50	N	10	N	700	30	N	20	N	700
MDR289	70	N	15	N	300	20	N	70	N	500
MDR290	50	N	15	N	500	30	N	70	N	>1,000
MDR291	50	N	10	N	500	30	N	20	<200	500
MDR292	50	N	15	N	700	30	N	50	N	300
MDR293	30	N	10	N	700	20	N	10	N	200
MDR294	50	N	10	N	700	30	N	10	N	1,000
MDR295	30	N	10	N	700	30	N	20	N	700
MDR296	30	N	10	N	300	50	N	20	N	1,000
MDR297	50	N	5	N	700	50	N	20	N	>1,000
MDR298	70	N	10	N	700	30	N	20	N	>1,000
MDR299	30	N	10	N	700	30	N	20	N	500
MDR300	50	N	10	N	500	30	N	10	N	700
MDR301	50	N	10	N	700	20	N	20	N	300
MDR302	30	N	15	N	700	50	N	50	N	>1,000
MDR303	30	N	30	N	700	70	N	70	N	>1,000
MDR304	30	N	10	N	700	20	N	20	N	100
MDR305	50	N	10	N	700	70	N	20	<200	200
MDR306	50	N	15	N	700	100	N	50	N	1,000
MDR307	30	N	20	N	700	100	N	20	300	1,000
MDR308	50	N	15	<10	700	70	N	10	N	700
MDR309	70	N	15	N	700	50	N	20	<200	300
MDR310	50	N	20	<10	700	100	N	20	200	>1,000
MDR311	1,500	N	10	N	700	30	N	20	1,000	300
MDR312	70	N	10	N	700	20	N	20	N	700
MDR313	70	N	10	<10	700	20	N	20	N	300
MDR314	30	N	10	N	500	20	N	10	N	200
MDR315	700	N	10	N	700	50	N	10	300	300

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR316	300	N	15	N	700	30	N	20	N	300
MDR317	100	N	15	N	700	30	N	50	<200	700
MDR318	700	N	10	N	300	30	N	20	700	700
MDR319	70	N	10	<10	300	70	N	70	200	>1,000
MDR320	70	N	15	N	300	20	N	70	<200	700
MDR321	70	N	10	N	300	20	N	20	<200	300
MDR322	70	N	15	N	300	20	N	50	N	300
MDR323	70	N	10	N	500	20	N	20	N	500
MDR324	70	N	10	N	500	20	N	10	N	100
MDR325	70	N	15	N	700	30	N	20	N	300
MDR326	70	N	10	N	300	20	N	20	N	300
MDR327	70	N	10	<10	500	20	N	10	N	300
MDR328	70	N	10	N	200	20	N	20	N	300
MDR329	100	N	10	10	500	20	N	100	300	200
MDR330	150	N	20	N	500	30	N	100	300	300
MDR331	50	N	10	N	700	30	N	20	N	300
MDR332	50	N	10	N	700	20	N	10	N	500
MDR333	50	N	15	N	700	50	N	20	N	300
MDR334	50	N	10	N	700	20	N	10	N	100
MDR335	50	N	15	N	700	70	N	10	N	100
MDR336	50	N	10	N	700	50	N	20	N	300
MDR337	50	N	15	N	700	70	N	20	N	300
MDR338	30	N	15	N	700	30	N	20	N	200
MDR339	70	N	20	<10	500	30	N	70	<200	700
MDR340	30	N	10	N	700	30	N	20	N	500
MDR341	50	N	10	N	500	30	N	50	N	1,000
MDR342	50	N	15	N	700	30	N	50	N	1,000
MDR343	500	N	10	N	300	15	N	20	300	200
MDR344	50	N	10	<10	700	30	N	20	N	500
MDR345	100	N	15	10	300	20	N	100	300	300
MDR346	70	N	10	N	700	30	N	20	N	500
MDR347	50	N	15	N	700	30	N	50	<200	700
MDR348	50	N	10	N	500	20	N	50	N	>300
MDR349	50	N	10	N	700	50	N	50	<200	500
MDR350	50	N	10	N	500	50	N	20	N	>1,000
MDR351	50	N	10	N	500	20	N	10	N	100
MDR352	50	N	10	N	700	20	N	20	N	300
MDR353	30	N	5	N	500	20	N	10	N	200
MDR354	15	N	5	N	500	20	N	10	N	300
MDR355	50	N	5	N	500	20	N	10	N	200
MDR356	50	N	10	N	700	30	N	20	N	500
MDR357	50	N	10	N	500	70	N	20	N	700
MDR358	50	N	15	N	500	30	N	20	N	200
MDR359	50	N	10	N	500	30	N	20	N	700
MDR360	50	N	10	N	300	15	N	50	N	700

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR361	30	N	10	N	300	20	N	10	N	500
MDR362	50	N	5	N	300	20	N	10	<200	500
MDR363	50	N	15	N	500	70	N	100	<200	>1,000
MDR364	50	N	15	N	500	30	N	100	<200	>1,000
MDR365	70	N	20	15	300	30	N	150	N	>1,000
MDR366	70	N	20	10	300	30	50	200	<200	>1,000
MDR367	50	N	10	N	700	50	N	10	<200	200
MDR368	50	N	10	N	700	20	N	20	N	700
MDR369	50	N	10	15	500	30	N	20	<200	1,000
MDR370	5[illegible]	N	10	N	500	20	N	20	N	300
MDR371	30	N	10	N	500	50	N	10	N	300
MDR372	50	N	15	N	500	100	N	20	<200	>1,000
MDR373	50	N	10	N	500	100	N	20	N	>1,000
MDR374	50	N	10	N	500	50	N	50	N	700
MDR375	70	N	15	10	300	30	N	100	N	1,000
MDR376	30	N	10	N	700	20	N	10	N	300
MDR377	100	N	10	N	300	20	N	20	N	700
MDR378	70	N	10	N	500	30	N	10	N	200
MDR379	50	N	10	N	300	30	N	20	N	1,000
MDR380	50	N	10	N	300	20	N	50	N	500
MDR381	50	N	10	N	300	30	N	20	N	700
MDR382	30	N	10	N	300	30	N	10	N	700
MDR383	30	N	5	N	500	15	N	10	N	300
MDR384	30	N	5	N	500	20	N	20	N	700
MDR385	30	N	5	N	300	15	N	10	N	100
MDR386	30	N	10	N	300	20	N	10	N	500
MDR387	20	N	5	N	200	15	N	10	N	500
MDR388	30	N	10	N	300	30	N	50	N	>1,000
MDR389	30	N	10	N	200	30	N	20	N	1,000
MDR390	30	N	10	N	300	50	N	20	N	1,000
MDR391	30	N	10	N	300	20	N	10	N	500
MDR392	20	N	10	N	300	15	N	20	N	500
MDR393	30	N	10	N	500	20	N	10	N	500
MDR394	30	N	10	N	500	20	N	20	N	700
MDR395	50	N	10	N	300	20	N	10	N	1,000
MDR396	30	N	10	N	200	30	N	10	N	700
MDR397	20	N	5	N	200	15	N	10	N	300
MDR398	30	N	5	N	300	15	N	10	N	700
MDR399	30	N	10	N	200	20	N	10	N	700
MDR400	30	N	5	N	300	20	N	10	N	300
MDR401	30	N	10	N	500	30	N	20	N	700
MDR402	50	N	10	N	300	20	N	10	N	300
MDR403	30	N	5	N	300	20	N	10	N	200
MDR404	30	N	10	N	500	20	N	10	N	500
MDR405	30	N	5	N	300	15	N	10	N	100

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	Pb PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR406	50	N	10	N	300	20	N	10	N	500
MDR407	50	N	10	N	300	20	N	10	N	300
MDR408	50	N	10	N	300	20	N	20	N	300
MDR409	50	N	10	N	500	20	N	10	N	300
MDR410	20	N	10	N	200	30	N	10	N	500
MDR411	30	N	10	N	200	15	N	10	N	300
MDR412	20	N	5	N	300	10	N	10	N	1,000
MDR413	50	N	10	N	500	200	N	20	N	>1,000
MDR414	50	N	10	N	700	20	N	10	N	300
MDR415	50	N	5	N	500	15	N	10	N	300
MDR416	30	N	10	N	500	20	N	10	N	200
MDR417	50	N	15	N	700	50	N	20	N	>1,000
MDR418	10	N	N	N	700	10	N	10	N	300
MDR419	20	N	5	N	500	15	N	10	N	300
MDR420	10	N	N	N	700	10	N	N	N	200
MDR421	20	N	5	N	700	15	N	10	N	>1,000
MDR422	20	N	5	N	500	15	N	10	N	200
MDR423	10	N	5	N	700	10	N	10	N	100
MDR424	30	N	5	N	300	15	N	10	N	300
MDR425	30	N	5	N	300	20	N	10	N	500
MDR426	50	N	10	N	700	30	N	10	N	500
MDR427	30	N	10	N	700	20	N	10	N	200
MDR428	50	N	10	N	700	20	N	20	N	300
MDR429	50	N	10	N	700	20	N	10	N	300
MDR430	50	N	10	N	700	30	N	20	N	500
MDR431	30	N	15	N	700	20	N	70	N	500
MDR432	70	N	10	N	700	20	N	10	N	700
MDR433	50	N	15	N	700	50	N	20	N	500
MDR434	50	N	20	N	500	200	N	50	<200	>1,000
MDR435	70	N	10	N	700	100	N	20	N	>1,000
MDR436	50	N	10	N	700	30	N	20	N	300
MDR437	50	N	15	10	700	30	N	100	N	1,000
MDR438	50	N	10	N	300	30	N	20	N	700
MDR439	30	N	30	N	300	30	N	70	N	500
MDR440	50	N	30	N	200	30	N	50	N	200
MDR441	30	N	15	N	700	100	N	20	N	700
MDR442	30	N	15	N	700	100	N	20	N	1,000
MDR443	50	N	15	N	300	30	N	50	N	700
MDR444	30	N	10	N	500	30	N	10	N	700
MDR445	50	N	10	N	700	20	N	20	N	700
MDR446	30	N	5	N	500	20	N	10	N	200
MDR447	50	N	10	N	700	50	N	10	N	1,000
MDR448	50	N	10	N	700	50	N	10	N	300
MDR449	30	N	15	N	700	30	N	20	<200	>1,000
MDR450	30	N	15	N	700	30	N	20	<200	>1,000

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR451	30	N	10	N	700	20	N	10	N	100
MDR452	50	N	15	N	700	50	N	20	N	700
MDR453	30	N	10	N	700	100	N	10	N	500
MDR454	30	N	15	N	700	100	N	20	200	>1,000
MDR455	50	N	10	N	500	30	N	20	N	700
MDR456	50	N	10	N	700	100	N	50	200	>1,000
MDR457	30	N	15	N	700	50	N	20	N	1,000
MDR458	50	N	10	N	500	30	N	20	N	700
MDR459	30	N	10	N	500	20	N	10	N	300
MDR460	50	N	15	N	500	30	N	50	N	700
MDR461	50	N	10	N	500	30	N	20	N	500
MDR462	30	N	10	N	500	70	N	20	N	>1,000
MDR463	50	N	10	N	500	30	N	20	N	>1,000
MDR464	30	N	10	N	300	20	N	10	N	500
MDR465	50	N	10	N	300	15	N	20	N	700
MDR466	50	N	10	N	500	20	N	10	N	500
MDR467	50	N	10	N	500	20	N	20	N	700
MDR468	50	N	10	N	300	20	N	20	N	500
MDR469	30	N	10	<10	1,500	15	N	10	N	300
MDR470	50	N	5	N	200	15	N	10	N	700
MDR471	30	N	5	N	300	15	N	10	N	1,000
MDR472	30	N	10	N	200	15	N	10	N	300
MDR473	30	N	10	N	300	15	N	10	N	200
MDR474	30	N	10	N	500	20	N	10	N	300
MDR475	30	N	10	N	300	20	N	10	N	500
MDR476	30	N	15	N	500	20	N	50	N	500
MDR477	50	N	10	N	300	20	N	20	N	1,000
MDR478	30	N	5	N	200	15	N	10	N	300
MDR479	30	N	5	N	300	15	N	10	N	700
MDR480	30	N	10	N	500	20	N	10	N	700
MDR481	30	N	5	N	300	20	N	20	N	700
MDR482	30	N	5	N	500	15	N	10	N	300
MDR483	30	N	5	N	500	20	N	10	N	300
MDR484	30	N	10	N	300	15	N	10	N	700
MDR485	30	N	5	N	200	15	N	10	N	200
MDR486	50	N	10	N	300	15	N	10	N	300
MDR487	50	N	5	N	200	15	N	10	N	300
MDR488	50	N	10	N	200	20	N	20	N	300
MDR489	30	N	10	N	100	20	N	10	N	300
MDR490	30	N	5	N	300	15	N	10	N	500
MDR491	50	N	10	N	200	15	N	10	N	700
MDR492	30	N	10	N	500	20	N	20	N	700
MDR493	30	N	10	N	300	20	N	20	N	500
MDR494	30	N	10	N	300	20	N	20	N	300
MDR495	50	N	10	N	300	15	N	20	N	1,000

Appendix b-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR496	50	N	10	N	300	20	N	10	N	700
MDR497	50	N	10	N	300	20	N	20	N	700
MDR498	30	N	10	N	300	20	N	50	N	700
MDR499	30	N	10	N	200	15	N	10	N	300
MDR500	30	N	10	N	200	20	N	50	N	700
MDR776	50	N	10	N	1,000	20	N	20	N	100
MDR777	50	N	15	N	700	30	N	20	N	300
MDR778	50	N	10	10	700	30	N	20	N	200
MDR779	30	N	20	N	1,000	30	N	20	N	300
MDR780	30	N	15	N	700	30	N	10	N	300
MDR781	50	N	15	N	700	30	N	20	N	200
MDR782	50	N	15	N	700	30	N	20	N	700
MDR783	30	N	10	N	100	20	N	10	N	200
MDR784	30	N	10	N	700	20	N	10	N	100
MDR785	50	N	5	N	700	20	N	10	N	100
MDR786	30	N	20	N	1,000	20	N	20	N	200
MDR787	30	N	10	N	700	20	N	10	N	300
MDR788	50	N	20	N	1,000	20	N	50	N	500
MDR789	50	N	10	N	700	20	N	20	N	200
MDR790	30	N	10	N	700	20	N	10	N	100
MDR791	30	N	15	N	1,000	20	N	10	N	300
MDR792	50	N	10	N	700	20	N	20	N	100
MDR793	30	N	10	N	700	15	N	10	N	100
MDR794	50	N	15	N	500	30	N	150	N	>1,000
MDR795	30	N	15	N	500	50	N	50	N	>1,000
MDR796	30	N	10	N	700	20	N	10	N	100
MDR797	50	N	10	15	700	30	N	20	N	300
MDR798	50	N	10	<10	500	20	N	20	N	200
MDR799	50	N	10	N	700	50	N	20	N	500
MDR800	30	N	20	N	1,000	100	N	50	N	>1,000
MDR801	30	N	10	N	700	30	N	10	N	100
MDR802	30	N	20	30	700	100	N	10	200	1,000
MDR803	50	N	10	N	1,000	20	N	10	N	300
MDR804	50	N	10	N	700	30	N	20	N	300
MDR805	50	N	15	N	700	30	N	50	N	700
MDR806	50	N	10	N	700	20	N	10	N	200
MDR807	50	N	10	N	700	20	N	10	N	100
MDR808	50	N	5	N	300	15	N	10	N	200
MDR809	30	N	10	N	200	20	N	20	N	>1,000
MDR810	50	N	10	N	300	20	N	20	N	300
MDR811	30	N	10	N	200	15	N	10	N	500
MDR812	30	N	5	N	300	15	N	10	N	300
MDR813	50	N	5	N	200	20	N	10	N	>1,000
MDR814	50	N	10	N	200	20	N	50	N	700
MDR815	30	N	10	N	200	15	N	10	N	300

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR816	30	N	10	N	300	15	N	10	N	500
MDR817	50	N	50	N	300	15	N	10	N	300
MDR818	30	N	10	N	200	15	N	50	N	700
MDR819	30	N	15	N	300	20	N	20	N	500
MDR820	30	N	10	N	300	20	N	70	N	700
MDR821	50	N	10	N	300	15	N	10	N	300
MDR822	50	N	10	50	300	30	N	20	N	>1,000
MDR823	30	N	10	N	500	15	N	10	N	200
MDR824	70	N	10	N	300	15	N	10	N	300
MDR825	20	N	5	N	300	15	N	10	N	300
MDR826	10	N	5	N	200	15	N	10	N	700
MDR827	50	N	10	N	300	20	N	20	N	1,000
MDR828	30	N	5	N	700	20	N	20	N	700
MDR829	30	N	10	N	500	15	N	20	N	500
MDR830	30	N	10	N	500	15	N	10	N	700
MDR851	50	N	10	N	300	30	N	20	N	300
MDR852	50	N	10	N	300	20	N	50	N	500
MDR853	50	N	15	N	300	30	N	50	N	500
MDR854	50	N	15	20	500	50	N	50	200	1,000
MDR855	30	N	10	N	500	30	N	20	N	>1,000
MDR856	50	N	15	N	500	200	N	20	N	>1,000
MDR857	50	N	15	N	300	20	N	70	N	300
MDR858	50	N	10	N	300	30	N	20	N	300
MDR859	50	N	10	N	300	30	N	20	N	500
MDR860	50	N	10	N	500	30	N	10	N	300
MDR861	50	N	15	N	700	30	N	10	N	500
MDR862	50	N	15	<10	500	50	N	50	N	>1,000
MDR863	50	N	15	N	700	50	N	20	N	500
MDR864	30	N	10	N	700	50	N	10	300	200
MDR865	50	N	10	N	700	30	N	20	N	1,000
MDR866	50	N	10	N	700	20	N	10	N	200
MDR867	30	N	10	N	700	30	N	10	N	200
MDR868	50	N	10	N	700	30	N	20	N	200
MDR869	50	N	10	N	700	20	N	10	N	300
MDR870	30	N	5	N	700	10	N	10	N	50
MDR871	50	N	15	N	700	30	N	10	N	200
MDR872	30	N	15	N	700	30	N	10	N	500
MDR873	50	N	15	N	700	30	N	70	N	500
MDR874	30	N	20	N	1,000	50	N	50	N	1,000
MDR875	50	N	10	N	700	20	N	10	N	300
MDR876	10	N	N	N	700	15	N	10	N	300
MDR877	30	N	5	N	300	15	N	10	N	200
MDR878	30	N	5	N	300	15	N	10	N	500
MDR879	30	N	10	N	300	20	N	10	N	500
MDR880	20	N	5	N	100	15	N	10	N	300

Appendix B-2 - Chemical Analyses of Stream Sediment Samples, Socorro--continued

sample	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR881	50	N	10	N	300	15	N	10	N	300
MDR882	30	N	5	N	100	15	N	10	N	200
MDR883	30	N	5	N	100	15	N	N	N	100
MDR884	50	N	5	N	300	15	N	10	N	300
MDR885	30	N	5	N	200	15	N	10	N	200
MDR886	20	N	5	N	200	15	N	10	N	300
MDR887	20	N	5	N	100	15	N	10	N	300
MDR888	50	N	10	N	200	20	N	20	N	1,000
MDR889	30	N	10	N	500	15	N	20	N	700
MDR890	30	N	5	N	300	20	N	10	N	>1,000
MDR891	50	N	10	N	300	20	N	20	N	>1,000
MDR892	50	N	5	N	200	15	N	10	N	300
MDR893	20	N	5	N	200	15	N	10	N	200
MDR894	50	N	5	N	300	15	N	10	N	700
MDR895	30	N	10	N	700	20	N	10	N	700
MDR896	30	N	5	N	300	15	N	10	N	700
MDR897	50	N	5	N	1,000	15	N	10	N	300
MDR898	50	N	10	N	300	15	N	20	N	500
MDR899	50	N	5	N	200	15	N	10	N	300
MDR900	20	N	10	N	200	20	N	20	N	>1,000
MDR926	70	N	5	N	300	20	N	10	N	300
MDR927	50	N	10	N	300	20	N	70	N	>1,000
MDR928	50	N	5	N	300	15	N	10	N	200
MDR929	50	N	10	N	300	20	N	20	N	>1,000
MDR930	50	N	5	N	200	20	N	20	N	1,000
MDR931	30	N	5	N	100	15	N	10	N	100
MDR932	30	N	10	N	300	20	N	10	N	200
MDR933	50	N	5	N	200	15	N	10	N	700
MDR934	50	N	5	15	300	20	N	20	N	1,000
MDR935	20	N	5	N	100	20	N	10	N	700
MDR936	30	N	10	N	300	20	N	20	N	700
MDR937	30	N	10	N	200	20	N	10	N	500
MDR938	50	N	5	N	300	15	N	10	N	500
MDR939	50	N	5	N	200	15	N	20	N	1,000
MDR940	30	N	10	N	300	20	N	10	N	300
MDR941	50	N	10	N	500	20	N	10	N	700
MDR942	30	N	5	N	200	15	N	20	N	700
MDR943	30	N	10	N	200	15	N	10	N	700
MDR944	30	N	5	N	200	10	N	10	N	300
MDR945	50	N	10	N	500	20	N	20	N	500
MDR946	50	N	10	N	300	20	N	20	N	1,000
MDR947	30	N	10	N	200	20	N	10	N	500
MDR948	10	N	10	N	300	20	N	50	N	1,000
MDR949	30	N	10	N	300	20	N	10	N	200
MDR950	30	N	10	N	300	15	N	10	N	200

Appendix B-2 - Chemical Analyses of Stream-Sediment Samples, Socorro--continued

sample	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MDR951	30	N	10	N	300	20	N	10	N	700
MDR952	30	N	5	N	500	15	N	10	N	100
MDR953	30	N	10	N	500	20	N	20	N	300
MDR954	50	N	10	N	500	30	N	10	N	700
MDR955	50	N	10	N	200	20	N	20	N	700
MDR956	30	N	10	N	500	15	N	10	N	300
MDR957	50	N	10	N	300	20	N	20	N	500
MDR958	50	N	10	N	300	20	N	20	N	300
MDR959	30	N	10	N	300	15	N	10	N	300
MDR960	50	N	5	N	300	15	N	10	N	1,000
MDR961	50	N	5	N	100	15	N	10	N	100
MDR962	50	N	10	N	300	20	N	10	N	700
MDR963	30	N	5	N	300	15	N	10	N	300
MDR964	30	N	10	N	300	20	N	10	N	700
MDR965	30	N	10	N	300	15	N	10	N	500
MDR966	50	N	10	N	200	30	N	70	N	>1,000
MDR967	30	N	10	N	200	20	N	10	N	300
MDR968	50	N	10	N	300	20	N	10	N	700
MDR969	10	N	N	N	100	15	N	10	N	200
MDR970	50	N	10	N	300	20	N	20	N	1,000
MDR971	30	N	10	N	200	15	N	20	N	1,000
MDR972	50	N	5	N	300	15	N	10	N	500
MDR973	20	N	N	N	700	15	N	10	N	50
MDR974	30	N	5	N	300	20	N	20	N	500
MDR975	50	N	5	N	300	15	N	10	N	500
MDR976	50	N	10	N	300	20	N	20	N	300
MDR977	30	N	10	N	300	30	N	20	N	300
MDR978	30	N	10	N	500	20	N	20	N	700
MDR979	20	N	5	N	200	20	N	10	N	300
MDR980	30	N	10	N	300	15	N	10	N	300
MDR981	30	N	10	N	300	20	N	10	N	500
MDR982	30	N	10	N	200	15	N	10	N	100
MDR990	50	N	5	N	300	20	N	10	N	300
MDR991	30	N	5	N	300	20	N	20	N	700
MDR992	50	N	5	N	300	15	N	10	N	1,000
MDR993	30	N	5	N	300	15	N	10	N	200
MDR994	30	N	5	N	200	15	N	10	N	500
MDR995	30	N	10	N	100	15	N	10	N	500
MDR996	50	N	10	N	200	15	N	20	N	500

3-2-75

Explanation of parameter headers and data:

Non-Element Data:

Rep Spl: 10 = Non-replicated sample
1 = Replicated sample; replicate is adjacent with identical latitude and longitude

Relief: 1 = Flat; 2 = Low (<50 ft); 3 = Gentle (50-200 ft); 4 = Moderate (200-1,000 ft); 5 = High (>1,000 ft); 6 = Other

Rock Type: 1 = Sedimentary; 2 = Metamorphic; 3 = Intrusive; 4 = Volcanic; 5 = Unknown

Sediment Color: 1 = White/Buff; 2 = Yellow; 3 = Orange; 4 = Pink/Red; 5 = Green; 6 = Brown; 7 = Gray; 8 = Black; 9 = Other

Water Flow: 1 = Stagnant; 2 = Slow; 3 = Moderate; 4 = Fast; 5 = Torrent; 6 = Dry

Stream Width: 1 = <1/2 ft; 2 = 1/2-1 ft; 3 = 1-2 ft; 4 = 2-4 ft; 5 = 4-8 ft; 6 = 8-16 ft; 7 = 16-32 ft; 8 = >32 ft

Stream Depth: 1 = <1/2 ft; 2 = 1/2-1 ft; 3 = 1-2 ft; 4 = 2-4 ft; 5 = >4 ft; 6 = Dry

Water Level: 1 = Dry; 2 = Low; 3 = Normal; 4 = High; 5 = Flood

Water Color: 1 = Clear; 2 = Murky; 3 = Cloudy; 4 = Muddy; 5 = Algal; 6 = Other

Stream Channel: 1 = Depositing; 2 = Eroding; 3 = Stable; 4 = Unknown

Vegetation: 1 = Conifers; 2 = Deciduous; 3 = Brush; 4 = Grass; 5 = Moss; 6 = Marsh; 7 = Other

Vegetation Density: 1 = Barren; 2 = Sparse; 3 = Moderate; 4 = Dense; 5 = Very Dense

Contaminants: 1 = None; 2 = Mining; 3 = Agriculture/livestock; 4 = Industry; 5 = Sewage; 6 = Power generation; 7 = Urban; 8 = Recreation; 9 = Other, such as dumps

Weather: 1 = Clear; 2 = Partly cloudy; 3 = Overcast; 4 = Rainy; 5 = Snowy; 6 = Other

Element Data:

< = Constituent detected but less than the given value.
> = Constituent greater than the given value.
N = Constituent not detected at lower limit of determination.
H = Constituent not determined because of interference.
B = Blank, no data available.

Lower Limit of Determination, in ppm unless specified by %:

U = 1	Cr = 10
Th = 100	Cu = 5
Al = 0.5%	La = 20
Fe = 0.05%	Li = 100
Mg = 0.02%	Mo = 5
Ca = 0.05%	Nb = 10
Na = 0.1%	Ni = 5
Ti = 0.002%	Pb = 10
Mn = 10	Sb = 100
Ag = 0.5	Sc = 5
As = 200	Sn = 10
Au = 10	Sr = 100
B = 10	V = 10
Ba = 20	W = 50
Be = 1	Y = 10
Bi = 10	Zn = 200
Cd = 20	Zr = 10 (upper limit of determination = 1000)
Co = 5	

Appendix B-3 - Chemical Analyses of Water Samples, Socorro

Data Compiled by Karen J. Wenrich-Verbeek and Jeffrey J. Irvin.
Samples collected by J.R. McDonnel, K.A. Geer, M.A. Roshardt, M.R. Stanton, R.L. Reed, J.M.Core, R.J. Nosh, C.L. Barker, H.C. Day. Analyses by Geoco, Inc., Wheatridge, Col.

Sample	LATITUDE	LONGITUDE	LAB. NO.	REP SPL	ELEV	RELIEF	ROCK TYP	WTR TYPE	WTR FLOW	STR WDTH
MDR501	34 6 53	107 28 39	3004	10	7,193	2	1	6	1	8
MDR502	34 7 9	107 25 29	3016	10	7,314	2	1	3	3	37
MDR503	34 9 28	107 23 47	3023	10	7,150	2	1	3	3	37
MDR504	34 9 52	107 26 25	3029	10	7,450	2	1	4	1	37
MDR505	34 4 49	107 26 15	3009	10	7,162	2	1	3	37	37
MDR506	34 5 43	107 23 21	3031	10	7,126	2	1	6	1	37
MDR507	34 3 52	107 25 52	3043	10	7,119	2	1	6	1	37
MDR508	34 4 55	107 29 6	3039	10	7,047	2	1	6	1	37
MDR509	34 2 14	107 28 15	3034	10	7,032	2	1	6	1	37
MDR510	34 10 3	107 28 20	3026	10	7,605	2	1	3	3	37
MDR511	34 11 16	107 26 18	3011	10	7,381	2	1	2	3	37
MDR512	34 11 5	107 24 39	3042	10	7,198	2	1	3	3	37
MDR513	34 11 37	107 22 37	3014	10	6,977	2	1	6	37	37
MDR514	34 12 14	107 25 45	3018	10	7,319	2	1	2	3	37
MDR515	34 17 20	107 25 28	3030	10	6,790	2	1	2	3	37
MDR516	34 18 8	107 25 10	3002	10	6,700	2	1	3	3	37
MDR517	34 18 57	107 24 50	3037	10	6,595	2	1	2	3	37
MDR518	34 16 46	107 26 17	3045	10	6,898	2	1	2	3	37
MDR519	34 16 36	107 26 44	3021	10	6,039	2	1	2	3	37
MDR520	34 15 38	107 29 50	3047	10	7,390	2	1	3	3	37
MDR521	34 17 44	107 26 55	3028	10	6,860	2	1	2	3	37
MDR522	34 18 11	107 28 18	3007	10	6,900	2	1	6	1	37
MDR523	34 18 38	107 30 33	3051	10	7,140	2	1	6	37	37
MDR524	34 16 57	107 22 59	3292	10	7,022	2	1	3	3	37
MDR525	34 14 2	107 26 43	3300	10	7,200	2	1	2	2	37
MDR526	34 6 1	107 15 50	3032	10	6,620	2	1	3	3	37
MDR527	34 3 16	107 17 34	3038	10	6,960	2	1	6	1	37
MDR528	34 1 3	107 18 11	3046	10	7,060	2	1	5	1	37
MDR529	34 5 57	107 18 6	3036	10	6,620	2	1	6	3	37
MDR530	34 6 18	107 18 55	3003	10	6,700	2	1	3	37	37
MDR531	34 6 42	107 22 33	3048	10	6,960	2	1	3	37	37
MDR532	34 4 31	107 19 17	3017	1	6,740	2	1	3	37	37
MDR533	34 4 31	107 19 17	3041	1	6,740	2	1	3	37	37
MDR534	34 8 30	107 16 32	3050	10	6,480	2	1	3	37	37
MDR535	34 13 59	107 15 40	3019	10	6,480	2	1	3	37	37
MDR536	34 13 59	107 15 33	3049	10	6,470	2	1	6	37	37
MDR537	34 13 29	107 18 8	3008	10	6,880	2	1	2	37	37
MDR538	34 10 41	107 18 52	3027	10	6,580	2	1	3	37	37
MDR539	34 9 31	107 20 17	3033	10	6,760	2	1	6	37	37
MDR540	34 15 36	107 19 7	3044	10	7,400	2	1	5	1	37
MDR541	34 15 12	107 19 58	3013	10	7,340	2	1	3	37	37
MDR542	34 17 12	107 21 23	3040	10	7,040	2	1	3	37	37
MDR543	34 19 45	107 22 18	3035	10	6,600	2	1	2	2	37
MDR544	34 21 51	107 22 3	3005	10	6,400	2	1	2	3	37
MDR545	34 22 46	107 22 10	3025	10	6,120	2	1	2	3	37

sample	LATITUDE	LONGITUDE	LAB. NO.	REP SPL	ELEV	RELIEF	ROCK TYP	WTR TYPE	WTR FLOW	STR WDTH
MDR546	34 23 21	107 21 2	3020	10	6,000	2	1	2	3	37
MDR547	34 23 55	107 20 50	3010	10	5,920	2	1	2	37	37
MDR548	34 24 52	107 20 2	3015	10	5,820	2	1	2	37	37
MDR549	34 25 16	107 20 9	3024	10	5,800	2	1	2	4	37
MDR550	34 17 9	107 17 3	3022	10	7,000	2	1	2	3	37
MDR551	34 17 44	107 16 54	3012	10	7,000	2	1	2	3	37
MDR552	34 19 7	107 16 21	3006	10	6,200	2	1	2	3	37
MDR553	34 8 3	107 35 34	3290	10	6,981	2	1	3	3	37
MDR554	34 8 29	107 31 54	3291	10	7,235	2	1	3	3	37
MDR555	34 8 27	107 30 29	3321	10	7,734	2	1	6	3	37
MDR556	34 12 36	107 34 7	3298	10	7,140	2	1	6	37	37
MDR557	34 12 36	107 31 50	3306	10	7,371	2	1	3	3	37
MDR558	34 13 25	107 35 39	3318	10	7,060	2	1	6	37	37
MDR559	34 11 51	107 36 36	3304	10	7,010	2	1	3	37	37
MDR560	34 15 36	107 32 57	3319	10	7,474	2	1	6	37	37
MDR561	34 15 3	107 30 17	3310	10	7,020	2	1	3	37	37
MDR562	34 17 49	107 42 58	3320	10	7,578	2	1	3	37	37
MDR563	34 17 3	107 40 43	3293	10	7,221	2	1	3	37	37
MDR564	34 19 1	107 36 19	3314	10	7,500	2	1	6	1	37
MDR565	34 19 1	107 35 43	3311	10	7,593	2	1	3	3	37
MDR566	34 20 5	107 38 21	3296	10	7,580	2	1	6	1	37
MDR567	34 21 16	107 42 28	3301	10	7,300	2	1	2	3	37
MDR568	34 20 49	107 43 9	3295	10	7,400	2	1	3	37	37
MDR569	34 19 25	107 42 58	3307	10	7,640	2	1	6	37	37
MDR570	34 23 40	107 36 30	3294	10	6,692	2	1	3	3	37
MDR571	34 22 35	107 33 48	3317	10	6,824	2	1	6	1	37
MDR572	34 21 12	107 35 7	3312	10	7,010	2	1	3	3	37
MDR573	34 24 57	107 33 25	3399	10	6,305	2	1	2	37	37
MDR574	34 25 38	107 52 55	3372	10	7,100	2	1	3	37	37
MDR575	34 24 46	107 54 2	3370	10	7,190	2	1	3	3	37
MDR576	34 14 12	107 28 33	3308	1	7,450	2	1	3	37	37
MDR577	34 14 12	107 28 33	3309	1	7,450	2	1	3	37	37
MDR578	34 16 57	107 20 24	3303	10	7,182	2	1	5	37	37
MDR579	34 19 14	107 22 41	3302	10	6,680	2	1	2	2	37
MDR580	34 24 33	107 19 13	3316	10	5,810	2	1	2	37	37
MDR581	34 24 5	107 19 10	3288	10	5,880	2	1	1	37	37
MDR582	34 23 25	107 16 17	3287	10	5,710	2	1	6	1	37
MDR583	34 20 29	107 16 45	3313	10	6,178	2	1	2	37	37
MDR584	34 24 50	107 15 55	3305	10	5,600	2	1	2	37	37
MDR585	34 22 33	107 22 48	3299	10	6,180	2	1	2	37	37
MDR586	34 21 38	107 23 36	3315	10	6,310	2	1	3	37	37
MDR587	34 21 51	107 20 43	3297	10	6,350	2	1	2	37	37
MDR588	34 22 25	107 19 55	3289	10	6,160	2	1	2	37	37
MDR589	34 23 32	107 59 6	3377	10	7,502	2	1	6	2	37
MDR590	34 22 13	107 58 41	3371	10	7,590	1	1	3	3	37

sample	LATITUDE	LONGITUDE	LAB. NO.	REP SPL	ELEV	RELIEF	ROCK TYP	WTR TYPE	WTR FLOW	STR WDTH
MDR591	34 16 35	107 58 36	3364	10	8,020	3	1	3	3	37
MDR592	34 12 36	107 53 54	3393	10	7,810	4	5	2	37	37
MDR593	34 12 28	107 54 2	3384	10	7,690	1	1	3	37	37
MDR594	34 13 14	107 53 3	3382	10	7,830	2	1	6	1	37
MDR595	34 15 0	107 54 41	3367	10	8,120	2	1	3	2	37
MDR596	34 16 48	107 56 50	3368	10	8,184	3	1	3	2	37
MDR597	34 21 42	107 52 41	3380	10	7,390	3	1	3	2	37
MDR598	34 14 8	107 59 52	3396	10	7,730	2	1	6	1	37
MDR599	34 14 56	107 59 19	3398	10	7,815	2	1	3	2	37
MDR600	34 11 24	107 57 47	3375	10	7,895	2	1	6	2	37
MDR601	34 10 45	107 59 4	3386	10	7,685	2	1	3	37	37
MDR602	34 12 19	107 58 5	3363	10	7,880	2	1	3	37	37
MDR603	34 11 15	107 44 17	3378	10	7,210	2	1	6	1	37
MDR604	34 11 3	107 43 4	3387	10	7,140	2	1	3	2	37
MDR605	34 12 49	107 43 35	3385	10	7,275	2	1	3	2	37
MDR606	34 23 5	106 26 3	3656	1	6,025	2	1	3	2	37
MDR607	34 23 5	106 26 3	3647	1	6,025	2	1	3	2	37
MDR608	34 24 0	106 26 26	3705	10	6,030	2	1	6	1	37
MDR609	34 25 7	106 25 30	3714	10	5,840	1	1	6	37	37
MDR610	34 24 16	106 21 1	3663	10	6,170	2	1	6	1	37
MDR611	34 22 42	106 18 21	3687	10	6,639	3	1	3	3	37
MDR612	34 24 50	106 18 54	3695	10	6,279	3	1	3	2	37
MDR613	34 25 51	106 18 55	3706	10	6,280	2	1	3	3	37
MDR614	34 26 22	106 18 11	3694	10	6,380	2	1	3	2	37
MDR615	34 25 55	106 20 34	3693	10	6,120	2	1	6	1	37
MDR616	34 24 50	106 28 1	3657	10	5,790	2	1	4	1	37
MDR626	34 14 13	107 12 21	2946	10	5,960	2	1	4	1	37
MDR627	34 11 51	107 11 18	2928	10	5,980	2	1	6	1	37
MDR628	34 9 38	107 12 25	2948	10	6,260	2	1	3	37	37
MDR629	34 9 13	107 14 32	2956	10	6,240	2	1	3	37	37
MDR630	34 3 22	107 14 36	3941	10	7,200	2	1	6	1	37
MDR6,1	34 3 41	107 7 30	2960	10	63595	2	1	3	37	37
MDR632	34 3 45	107 6 47	2958	10	7,080	2	1	2	37	37
MDR633	34 4 42	107 8 39	2933	10	6,790	2	1	3	37	37
MDR634	34 1 32	107 8 10	2939	10	7,000	2	1	2	37	37
MDR635	34 1 50	107 7 25	3924	10	6,710	2	1	3	37	37
MDR636	34 2 29	107 7 0	2942	10	6,560	2	1	3	37	37
MDR6,7	34 2 31	107 4 43	2951	10	63230	2	1	3	37	37
MDR638	34 14 46	107 6 39	2944	10	5,520	3	1	1	3	4
MDR639	34 7 9	107 4 47	2950	10	6,170	2	1	6	37	37
MDR640	34 10 45	107 0 58	3922	10	5,960	2	1	6	37	37
MDR641	34 14 14	107 1 10	2930	10	5,480	2	1	2	2	37
MDR642	34 8 49	107 5 13	2938	10	5,655	2	1	3	37	37
MDR643	34 5 17	107 2 1	2943	10	5,820	2	1	3	37	37
MDR644	34 0 7	107 14 8	2954	10	7,710	2	1	5	1	37

sample	LATITUDE	LONGITUDE	LAB. NO.	REP SPL	ELEV	RELIEF	ROCK TYP	WTR TYPE	WTR FLOW	STR WDTH
MDR645	34 2 16	107 1 13	2925	10	5,870	2	1	6	37	37
MDR646	34 3 19	107 2 7	2932	10	5,910	2	1	5	1	37
MDR647	34 1 37	107 0 33	2952	10	5,680	2	1	6	37	37
MDR648	34 2 16	106 56 18	3164	10	5,000	2	1	2	37	37
MDR649	34 6 19	106 57 32	3170	10	4,980	2	1	6	1	37
MDR650	34 6 7	106 58 46	3167	10	5,155	2	1	2	37	37
MDR651	34 7 0	106 58 52	3174	10	5,320	2	1	2	3	37
MDR652	34 10 38	106 55 38	3160	10	4,710	2	1	6	1	37
MDR653	34 14 22	107 0 14	3176	10	5,270	2	1	4	2	37
MDR654	34 11 57	106 55 34	3178	10	4,700	2	1	3	37	37
MDR655	34 2 38	106 57 10	3163	1	5,270	2	1	3	37	37
MDR656	34 2 38	106 57 10	3166	1	5,270	2	1	3	37	37
MDR657	34 3 56	106 55 21	3173	10	4,740	2	1	5	37	37
MDR658	34 2 7	106 49 7	3169	10	4,910	2	1	3	4	37
MDR659	34 1 51	106 46 39	3171	10	5,060	2	1	2	37	37
MDR660	34 8 16	106 48 48	3162	10	4,990	2	1	2	37	37
MDR661	34 6 29	106 46 13	3179	10	5,210	2	1	4	37	37
MDR662	34 6 18	106 48 8	3181	10	5,040	2	1	4	1	37
MDR663	34 6 27	106 44 13	3175	10	4,990	2	1	4	1	37
MDR664	34 0 36	106 38 17	3177	10	5,405	2	1	3	3	37
MDR665	34 6 14	106 39 24	3180	10	5,950	2	1	5	1	37
MDR666	34 4 55	106 39 2	3172	10	5,805	2	1	5	2	37
MDR667	34 4 21	106 39 2	3165	10	5,720	2	1	5	1	37
MDR668	34 2 9	106 40 22	3168	10	5,620	2	1	5	1	37
MDR669	34 0 12	106 40 34	3161	10	5,515	2	1	5	1	37
MDR670	34 1 31	106 32 47	3648	10	5,556	2	1	2	2	37
MDR671	34 5 59	106 31 34	3707	10	5,670	2	1	3	3	37
MDR672	34 6 31	106 32 23	3684	10	5,735	2	1	3	3	37
MDR673	34 6 45	106 37 30	3673	10	6,190	2	1	5	1	37
MDR674	34 5 14	106 35 24	3667	10	5,975	3	1	6	2	37
MDR675	34 2 36	106 36 45	3683	10	5,620	2	1	6	1	37
MDR676	34 15 53	107 14 13	2955	10	6,151	2	1	1	2	37
MDR677	34 18 15	107 13 52	2940	10	6,100	2	1	5	1	37
MDR678	34 20 11	107 14 52	2959	10	5,840	2	1	3	1	37
MDR679	34 20 46	107 13 13	2947	10	5,682	2	1	6	1	37
MDR680	34 22 52	107 13 53	3936	10	5,500	2	1	2	37	37
MDR681	34 19 14	107 11 37	2961	10	5,700	2	1	2	37	37
MDR682	34 22 6	107 11 18	2935	10	5,410	2	1	1	3	37
MDR683	34 23 12	107 7 59	2934	10	5,975	2	1	3	37	37
MDR684	34 29 36	107 6 8	2957	10	5,640	2	1	3	37	37
MDR685	34 28 27	107 3 59	3929	10	5,780	2	1	6	1	37
MDR686	34 28 44	107 1 13	2945	10	5,405	2	1	6	1	37
MDR687	34 27 38	107 1 24	2937	10	5,550	2	1	6	1	37
MDR688	34 26 49	106 59 19	2923	10	5,350	2	1	3	37	37
MDR689	34 25 19	107 2 5	2927	10	6,025	2	4	6	1	37

Sample	LATITUDE	LONGITUDE	LAB. NO.	REP SPL	ELEV	RELIEF	ROCK TYP	WTR TYPE	WTR FLOW	STR WDTH
MDR690	34 25 16	107 1 50	2931	10	5,900	2	4	3	37	37
MDR691	34 26 0	107 1 24	2953	10	5,800	2	4	3	1	37
MDR692	34 25 27	107 0 36	2926	10	5,600	2	4	3	37	37
MDR693	34 25 56	106 55 8	2949	10	4,900	2	1	6	1	37
MDR694	34 15 35	107 5 2	3189	10	5,676	2	1	3	37	37
MDR695	34 23 16	107 4 32	3185	10	6,080	2	4	2	37	37
MDR696	34 22 38	107 4 10	3182	10	5,800	2	4	2	37	37
MDR697	34 20 22	107 2 31	3192	10	5,050	2	4	1	3	37
MDR698	34 19 49	107 4 36	3191	1	5,200	2	1	2	37	37
MDR699	34 19 49	107 4 36	3195	1	5,200	2	1	2	37	37
MDR700	34 16 18	107 8 10	3197	10	5,580	2	1	2	37	37
MDR701	34 18 2	107 8 29	3190	10	5,600	2	1	6	1	37
MDR702	34 21 1	107 9 13	3196	10	5,320	2	1	1	2	37
MDR703	34 8 29	106 48 10	3193	10	5,030	2	1	2	37	37
MDR704	34 8 43	106 47 39	3188	10	5,091	2	1	2	37	37
MDR705	34 9 42	106 48 11	3194	10	5,090	2	1	5	37	37
MDR706	34 12 16	106 49 3	3184	10	5,000	2	1	3	37	37
MDR707	34 12 8	106 42 43	3186	10	5,442	2	1	6	1	37
MDR708	34 10 16	106 43 48	3187	10	5,420	2	1	3	37	37
MDR709	34 8 5	106 43 35	3183	10	5,540	2	1	6	1	37
MDR710	34 9 3	106 42 43	3654	10	5,482	1	1	6	37	37
MDR711	34 7 29	106 41 54	3688	10	5,737	2	1	2	2	37
MDR712	34 11 57	106 40 43	3645	10	5,673	2	1	3	2	37
MDR713	34 13 22	106 37 33	3661	10	5,820	3	1	6	37	37
MDR714	34 11 5	106 37 11	3698	10	6,179	3	1	6	37	37
MDR715	34 11 50	106 33 41	3712	10	6,090	2	1	5	1	37
MDR716	34 13 7	106 34 14	3716	10	6,150	2	1	5	1	37
MDR717	34 11 49	106 35 6	3699	10	6,090	4	1	5	1	37
MDR718	34 13 51	106 40 43	3659	10	5,550	3	1	2	2	37
MDR719	34 13 59	106 36 34	3715	10	5,936	1	1	5	1	37
MDR720	34 14 42	106 35 13	3677	10	5,910	2	1	5	1	37
MDR721	34 16 45	106 33 54	3646	10	6,090	2	1	5	1	37
MDR722	34 32 44	106 16 28	3708	1	6,680	2	1	6	37	37
MDR723	34 32 44	106 16 28	3644	1	6,680	2	1	6	37	37
MDR724	34 34 38	106 16 2	3651	10	6,560	2	1	6	37	37
MDR725	34 35 44	106 17 34	3650	10	6,600	2	1	2	2	37
MDR726	34 31 25	106 19 10	3692	10	6,580	2	1	3	2	37
MDR727	34 33 46	106 19 3	3642	10	6,880	3	1	3	37	37
MDR728	34 34 29	106 19 21	3682	10	6,920	1	1	3	37	37
MDR729	34 31 20	106 21 2	3703	10	6,010	2	1	2	2	37
MDR730	34 33 57	106 20 43	3660	10	7,050	2	1	3	37	37
MDR731	34 30 1	106 19 29	3675	10	6,400	3	1	6	37	37
MDR732	34 29 12	106 20 54	3652	10	6,350	2	1	6	37	37
MDR733	34 34 3	106 25 59	3689	10	7,200	4	1	2	3	37
MDR734	34 31 11	106 24 44	3662	10	6,435	2	1	1	-	3

sample	LATITUDE	LONGITUDE	LAB. NO.	REP SPL	ELEV	RELIEF	ROCK TYP	WTR TYPE	WTR FLOW	STR WDTH
MDR735	34 29 6	106 24 24	3681	10	6,150	5	1	2	2	37
MDR736	34 24 57	106 28 28	3704	10	5,760	4	1	2	2	37
MDR737	34 26 57	106 26 26	3697	10	5,780	3	1	4	2	37
MDR738	34 26 1	106 26 26	3658	10	5,780	3	1	2	2	37
MDR739	34 26 46	106 23 51	3665	10	5,950	4	1	2	2	37
MDR740	34 21 53	106 31 33	3717	10	6,300	4	1	6	37	37
MDR751	34 23 54	107 52 0	3400	10	7,133	2	1	3	2	37
MDR752	34 21 51	107 51 51	3391	10	7,362	3	1	3	2	37
MDR753	34 21 51	107 50 35	3379	10	7,294	3	1	3	2	37
MDR754	34 22 31	107 47 33	3397	10	7,108	3	1	6	1	37
MDR755	34 24 12	107 48 54	3383	10	6,958	3	1	3	2	37
MDR756	34 24 22	107 46 2	3365	10	6,935	2	1	3	2	37
MDR757	34 23 51	107 45 17	3374	10	7,025	2	1	3	37	37
MDR758	34 14 32	107 51 29	3373	10	7,880	3	1	3	2	37
MDR759	34 15 35	107 51 24	3394	10	7,940	3	1	3	2	37
MDR760	34 16 31	107 50 45	3376	10	8,036	3	1	3	2	37
MDR761	34 16 38	107 50 43	3369	10	8,150	4	1	2	2	1
MDR762	34 15 25	107 48 22	3395	10	8,000	4	1	6	2	37
MDR763	34 15 59	107 49 10	3366	10	7,961	3	1	3	2	37
MDR764	34 12 18	107 51 13	3388	10	7,580	3	1	3	3	37
MDR765	34 22 13	107 42 21	3389	10	7,340	2	1	3	3	37
MDR766	34 22 6	107 43 55	3392	10	7,570	2	1	3	2	37
MDR767	34 19 40	107 46 2	3390	10	7,773	3	1	6	1	37
MDR768	34 20 43	107 37 41	3381	10	7,390	3	1	3	3	37
MDR769	34 21 12	107 39 52	3362	10	7,290	3	1	3	3	37
MDR770	34 11 38	107 53 36	3401	10	7,560	3	1	3	2	37
MDR771	34 24 33	106 25 17	3709	10	5,400	2	1	2	2	37
MDR772	34 23 55	106 24 31	3666	10	5,980	2	1	6	1	37
MDR773	34 23 51	106 23 47	3670	10	6,000	2	1	3	2	37
MDR774	34 23 52	106 23 54	3664	10	6,000	2	1	3	37	37
MDR775	34 22 44	106 24 32	3653	10	6,245	1	1	3	2	37
MDR901	34 8 51	106 31 21	3702	10	6,260	2	1	5	1	37
MDR902	34 9 24	106 32 41	3680	10	6,330	2	1	5	1	37
MDR903	34 10 31	106 32 21	3700	10	6,375	1	1	5	1	37
MDR904	34 12 25	106 31 32	3668	10	5,980	3	1	6	1	37
MDR905	34 12 16	106 30 51	3691	10	5,900	2	1	6	1	37
MDR906	34 15 40	106 29 26	3655	10	6,030	1	1	6	1	37
MDR907	34 19 55	106 30 18	3669	10	6,295	2	1	6	1	37
MDR908	34 16 46	106 32 42	3710	10	6,235	2	1	6	1	37
MDR909	34 19 25	106 27 58	3672	10	6,225	1	1	6	1	37
MDR910	34 19 7	106 25 10	3649	10	6,490	2	1	3	3	37
MDR911	34 21 53	106 23 10	3679	10	6,250	2	1	3	3	37
MDR912	34 18 52	106 29 56	3676	10	6,285	2	1	6	1	37
MDR913	34 19 36	106 18 33	3643	10	6,750	2	1	5	1	37
MDR914	34 20 35	106 21 13	3701	10	6,825	4	1	6	2	37

Appendix B-3 - Chemical Analyses of Water Samples, Socorro--continued

sample	LATITUDE	LONGITUDE	LAB. NO.	REP SPL	ELEV	RELIEF	ROCK TYP	WTR TYPE	WTR FLOW	STR WDTH
MDR915	34 17 20	106 21 34	3674	10	6,265	2	1	3	3	37
MDR916	34 18 36	106 21 48	3686	10	6,395	2	1	3	3	37
MDR917	34 16 14	106 21 36	3690	10	6,150	2	1	3	3	37
MDR918	34 16 15	106 19 7	3678	10	6,270	3	1	3	3	37
MDR919	34 15 25	106 24 7	3711	1	6,200	2	1	6	1	37
MDR920	34 15 22	106 24 6	3685	1	6,200	2	1	6	1	37
MDR921	34 28 5	106 17 58	3713	10	6,260	3	1	6	1	37
MDR922	34 29 3	106 17 6	3696	10	6,290	1	1	3	3	37
MDR923	34 27 42	106 18 37	3671	10	6,210	2	1	3	3	37

Appendix B-3 - Chemical Analyses of Water Samples, Socorro

sample	WTR DPTH	WTR LEVL	WTR COLR	WELLTYPE	WEL DPTH	VEG TYPE	VEG DENS	CONTAMN	WEATHER	TEMP
MDR501	6	1	4	1	3	3	3	1	1	3.0
MDR502	37	37	1	1	--	3	3	1	1	10.0
MDR503	37	37	1	1	--	3	3	1	1	12.0
MDR504	37	2	2	37	--	3	3	1	1	14.0
MDR505	37	37	1	2	402	3	3	1	1	14.0
MDR506	37	37	1	2	--	3	3	3	1	5.0
MDR507	37	37	1	1	--	3	3	1	1	6.0
MDR508	37	37	1	4	--	3	3	1	1	6.0
MDR509	37	37	1	1	--	3	3	1	1	11.0
MDR510	37	37	1	1	--	3	3	1	1	10.0
MDR511	37	37	1	37	--	3	3	1	1	8.0
MDR512	37	37	1	1	--	3	3	1	1	8.0
MDR513	37	37	2	1	--	3	3	3	1	4.0
MDR514	37	37	1	37	--	3	3	1	1	5.0
MDR515	37	37	1	37	--	3	3	1	1	9.0
MDR516	37	37	1	1	--	3	3	1	1	11.0
MDR517	37	37	1	37	--	3	3	1	1	13.0
MDR518	37	37	1	37	--	3	3	1	1	3.0
MDR519	37	37	1	37	--	3	3	1	1	3.5
MDR520	37	37	1	1	--	3	3	1	1	9.0
MDR521	37	37	1	37	--	3	3	1	1	12.0
MDR522	37	37	1	1	--	3	3	3	1	5.0
MDR523	37	37	1	1	--	3	3	3	1	5.0
MDR524	37	37	1	1	--	3	3	1	1	16.0
MDR525	37	37	3	37	--	3	3	3	1	2.0
MDR526	37	37	1	1	--	3	3	1	1	11.0
MDR527	37	37	1	1	--	3	3	3	1	7.0
MDR528	37	2	4	37	--	3	3	3	1	11.0
MDR529	37	37	2	4	--	3	3	3	1	5.0
MDR530	37	37	1	1	--	3	3	1	1	13.0
MDR531	37	37	1	1	--	3	3	1	1	12.5
MDR532	37	37	1	1	--	3	3	1	1	14.0
MDR533	37	37	1	1	--	3	3	1	1	14.0
MDR534	37	37	1	1	--	3	3	1	1	14.5
MDR535	37	37	1	2	50	3	3	1	1	9.0
MDR536	37	37	1	37	--	3	3	3	1	6.0
MDR537	37	37	1	37	--	3	3	1	1	3.0
MDR538	37	37	1	1	--	3	3	1	1	11.0
MDR539	37	37	1	1	--	3	3	3	1	7.0
MDR540	37	2	4	37	--	3	3	3	1	2.0
MDR541	37	37	1	1	--	3	3	1	1	11.0
MDR542	37	37	1	1	--	3	3	1	1	3.0
MDR543	37	37	1	37	--	3	3	1	1	11.0
MDR544	37	37	1	37	--	3	3	1	1	5.0
MDR545	37	37	1	37	--	3	3	1	1	13.0

Appendix b-3 - Chemical Analyses of Water Samples, Socorro--continued

sample	WTR DPTH	WTR LEVL	WTR COLR	WELLTYPE	WEL DPTH	VEG TYPE	VEG DENS	CONTAMN	WEATHER	TEMP
MDR546	37	37	5	37	--	3	3	1	1	8.0
MDR547	37	37	1	37	--	3	3	1	1	8.0
MDR548	37	37	1	37	--	3	3	1	1	6.0
MDR549	37	37	1	37	--	3	3	1	1	8.0
MDR550	37	37	1	37	--	3	3	1	1	10.0
MDR551	37	37	1	37	--	3	3	3	1	3.0
MDR552	37	37	1	37	--	3	3	1	1	5.0
MDR553	37	37	1	1	--	3	3	1	1	11.0
MDR554	37	37	1	4	--	3	3	1	1	10.0
MDR555	37	37	2	1	--	3	3	3	1	8.0
MDR556	37	37	1	9	--	3	3	1	1	9.0
MDR557	37	37	1	1	--	3	3	1	1	16.0
MDR558	37	37	1	3	--	3	3	1	1	11.0
MDR559	37	37	1	3	--	3	3	1	1	13.0
MDR560	37	37	1	1	--	3	3	3	1	2.0
MDR561	37	37	1	2	300	3	3	1	1	15.0
MDR562	37	37	1	1	--	3	3	1	1	12.0
MDR563	37	37	1	3	--	3	3	1	1	12.0
MDR564	37	37	1	37	--	3	3	3	1	7.0
MDR565	37	37	1	1	--	3	3	1	1	14.5
MDR566	37	37	1	37	--	3	3	3	1	.5
MDR567	37	37	1	37	--	3	3	1	1	8.0
MDR568	37	37	1	3	--	3	3	1	1	11.0
MDR569	37	37	1	1	--	3	3	3	1	6.0
MDR570	37	37	1	1	--	3	3	1	1	12.0
MDR571	37	37	5	1	--	3	3	3	1	4.0
MDR572	37	37	1	1	--	3	3	1	1	11.0
MDR573	37	37	1	37	--	3	3	1	1	8.0
MDR574	37	37	6	1	--	3	3	1	1	8.0
MDR575	37	37	1	1	--	3	3	1	1	10.0
MDR576	37	37	1	1	--	3	3	1	1	11.0
MDR577	37	37	1	1	--	3	3	1	1	11.0
MDR578	37	37	3	37	--	3	3	3	1	1.0
MDR579	37	37	1	37	--	3	3	1	1	10.0
MDR580	37	37	1	37	--	3	3	1	1	13.0
MDR581	37	37	3	37	--	3	3	1	1	2.0
MDR582	37	37	2	1	--	3	3	3	1	7.0
MDR583	37	37	1	37	--	3	3	1	1	7.0
MDR584	37	37	1	37	--	3	3	1	1	15.0
MDR585	37	37	1	37	--	3	3	1	1	10.0
MDR586	37	37	1	1	--	3	3	1	1	8.0
MDR587	37	37	1	37	--	3	3	1	1	18.0
MDR588	37	37	1	37	--	3	3	1	1	14.0
MDR589	37	37	1	1	--	1	3	3	2	10.0
MDR590	37	37	1	1	--	3	3	3	2	9.0

Appendix H-3 - Chemical Analyses of water Samples, Socorro--continued

sample	WTR DPTH	WTR LEVL	WTR COLR	WELLTYPE	WELL DPTH	VEG TYPE	VEG DENS	CONTAMN	WEATHER	TEMP
MDR591	37	37	1	1	--	1	3	1	2	9.0
MDR592	37	37	1	37	--	1	4	1	2	9.0
MDR593	37	37	2	3	--	1	3	1	2	10.0
MDR594	37	37	5	2	--	3	3	3	2	1.0
MDR595	37	37	1	1	--	3	3	3	3	5.0
MDR596	37	37	1	1	--	3	3	3	5	5.0
MDR597	37	37	1	1	--	1	3	3	1	4.0
MDR598	37	37	2	1	--	3	4	3	1	2.0
MDR599	37	37	1	1	--	3	3	3	1	8.0
MDR600	37	37	1	37	--	3	3	1	1	2.0
MDR601	37	37	1	1	--	3	3	1	1	9.0
MDR602	37	37	1	1	--	3	3	1	1	10.0
MDR603	37	37	1	1	--	1	2	3	1	.5
MDR604	37	37	1	1	--	4	3	3	3	18.0
MDR605	37	37	1	1	--	4	3	3	3	12.0
MDR606	37	37	1	1	--	1	1	1	1	11.0
MDR607	37	37	1	1	--	1	1	1	1	11.0
MDR608	37	37	1	1	--	1	1	3	1	10.0
MDR609	37	37	1	1	--	3	2	3	1	2.0
MDR610	37	37	2	1	--	1	2	3	3	2.0
MDR611	37	37	1	1	--	1	3	1	3	13.0
MDR612	37	37	1	1	95	3	2	1	2	8.0
MDR613	37	37	1	1	--	1	2	1	3	12.0
MDR614	37	37	1	1	--	3	2	1	3	11.0
MDR615	3	37	3	1	--	3	1	3	3	2.0
MDR616	37	37	4	37	--	3	2	3	3	4.0
MDR626	1	37	4	37	--	3	3	3	1	2.0
MDR627	3	37	5	1	--	3	3	3	1	5.0
MDR628	37	37	1	1	--	3	3	1	1	16.0
MDR629	37	37	1	1	--	3	3	1	1	11.0
MDR630	37	37	1	1	--	3	3	3	1	5.0
MDR631	37	37	1	1	--	3	3	1	1	6.0
MDR632	37	37	1	37	--	3	3	1	1	11.0
MDR633	37	37	1	1	--	3	3	1	1	12.0
MDR634	37	37	1	37	--	3	3	1	1	6.0
MDR635	37	37	1	1	75	3	3	1	1	7.0
MDR636	37	37	1	1	--	3	3	1	1	12.0
MDR637	37	37	1	1	--	3	3	1	1	15.0
MDR638	1	2	4	37	--	3	3	3	1	4.0
MDR639	37	37	1	1	--	3	3	3	1	4.0
MDR640	37	37	2	37	--	3	3	3	1	4.0
MDR641	37	37	1	37	--	3	3	3	1	8.0
MDR642	37	37	1	1	160	3	3	3	1	4.0
MDR643	37	37	1	1	--	3	3	1	1	12.0
MDR644	4	2	4	37	--	3	3	3	1	1.0

sample	WTR DPTH	WTR LEVL	WTR COLM	WELLTYPE	WEL DPTH	VEG TYPE	VEG DENS	CONTAMN	WEATHER	TEMP
MDR645	37	37	1	1	--	3	3	3	1	5.0
MDR646	4	2	4	37	--	3	3	3	1	5.0
MDR647	37	37	1	1	--	3	3	3	1	5.0
MDR648	37	37	1	37	--	3	3	1	1	24.0
MDR649	37	37	1	37	--	3	3	3	1	9.0
MDR650	37	37	1	37	--	3	3	1	1	12.0
MDR651	37	37	1	37	--	3	3	1	1	14.0
MDR652	3	37	2	4	--	3	3	3	1	4.0
MDR653	1	37	3	37	--	3	3	1	1	6.0
MDR654	37	37	1	3	--	3	3	1	1	10.0
MDR655	1	37	1	8	--	3	3	1	1	6.0
MDR656	1	37	1	8	--	3	3	1	1	6.0
MDR657	37	37	1	37	--	3	3	9	1	3.0
MDR658	37	37	1	8	--	3	3	3	1	8.0
MDR659	37	37	1	37	--	3	3	3	1	8.0
MDR660	37	37	5	37	--	3	3	3	1	6.0
MDR661	4	37	2	37	--	3	3	3	1	4.0
MDR662	1	37	3	37	--	3	3	1	1	3.0
MDR663	4	37	3	37	--	3	3	1	1	5.0
MDR664	37	37	1	37	--	3	3	1	1	8.0
MDR665	37	37	2	37	--	3	3	3	1	2.0
MDR666	37	37	2	1	--	3	3	3	1	1.0
MDR667	37	37	2	37	--	3	3	3	1	1.0
MDR668	37	37	2	37	--	3	3	3	1	5.0
MDR669	37	37	2	37	--	3	3	3	1	5.0
MDR670	1	2	2	37	--	4	2	3	3	3.0
MDR671	37	37	1	1	--	3	3	1	3	12.0
MDR672	37	37	1	1	--	4	2	1	3	8.0
MDR673	4	3	3	37	--	3	3	3	3	3.0
MDR674	5	3	1	1	--	3	2	1	3	3.0
MDR675	4	3	1	1	--	3	3	1	5	2.0
MDR676	37	37	1	1	--	3	3	9	5	13.0
MDR677	37	37	2	37	--	3	3	3	1	6.0
MDR678	37	37	6	37	--	3	3	1	1	15.0
MDR679	37	37	1	37	--	3	3	3	1	11.0
MDR680	37	37	1	37	--	3	3	1	1	17.0
MDR681	37	37	1	37	--	3	3	1	1	8.0
MDR682	37	37	4	37	--	3	3	3	1	7.0
MDR683	37	37	1	1	--	3	3	1	1	13.0
MDR684	37	37	1	1	--	3	3	1	1	18.0
MDR685	37	37	1	1	--	3	3	3	1	4.0
MDR686	37	37	1	1	--	3	3	3	1	4.0
MDR687	37	37	1	1	--	3	3	3	1	5.0
MDR688	37	37	1	1	--	3	3	1	1	10.0
MDR689	37	37	1	1	--	3	3	3	1	4.0

Appendix B-3 Chemical Analyses of Water Samples, Socorro--continued

sample	WTR DPTH	WTR LEVL	WTRCOL R	WELLTYPE	WEL DPTH	VEG TYPE	VEG DENS	CONTAMN	WEATHER	TEMP
MDR690	37	37	1	1	--	3	3	1	1	16.0
	1	--	3	3	3	1	6.0			
MDR692	37	37	1	9	--	3	3	1	1	11.0
MDR693	37	37	5	1	--	3	3	3	1	6.0
MDR694	37	37	6	1	--	3	3	1	1	15.0
MDR695	37	37	1	37	--	3	3	1	1	9.0
MDR696	37	37	1	37	--	3	3	1	1	9.0
MDR697	37	37	3	37	--	3	3	3	1	9.0
MDR698	37	37	1	37	--	3	3	1	1	12.0
MDR699	37	37	1	37	--	3	3	1	1	12.0
MDR700	37	37	1	37	--	3	3	1	1	5.0
MDR701	37	37	2	1	--	3	3	3	1	5.0
MDR702	37	37	3	37	--	3	3	3	1	12.0
MDR703	37	37	1	37	--	3	3	1	1	9.0
MDR704	37	37	1	37	--	3	3	1	1	6.0
MDR705	37	37	2	37	--	3	3	3	1	5.0
MDR706	37	37	1	1	--	3	3	1	1	15.0
MDR707	37	37	2	1	--	3	3	3	1	4.0
MDR708	37	37	1	1	--	3	3	1	1	10.0
MDR709	37	37	1	1	--	3	3	3	1	15.0
MDR710	37	37	5	1	--	3	2	1	3	4.0
MDR711	37	37	1	37	--	3	2	1	3	4.0
MDR712	37	37	1	1	--	3	2	1	5	12.0
MDR713	37	37	1	1	--	3	2	3	3	13.0
MDR714	37	37	1	1	--	4	2	3	5	2.5
MDR715	3	2	5	37	--	3	2	3	3	2.5
MDR716	3	2	3	37	--	3	2	3	3	2.0
MDR717	3	2	5	37	--	4	2	3	3	2.0
MDR718	37	2	1	37	--	4	2	1	2	2.0
MDR719	3	2	5	37	--	4	2	3	3	3.0
MDR720	3	2	5	37	--	4	2	3	3	1.0
MDR721	3	2	4	37	--	4	2	3	3	2.0
MDR722	37	37	1	1	--	4	2	3	1	1.0
MDR723	37	37	1	1	--	4	2	5	2	1.0
MDR724	37	37	1	1	--	4	2	3	2	4.0
MDR725	37	3	1	37	--	3	3	1	2	4.0
MDR726	37	3	1	1	--	3	2	1	3	12.0
MDR727	37	37	1	3	306	3	2	1	3	8.5
MDR728	37	37	1	3	--	3	2	1	3	5.0
MDR729	37	2	1	37	--	3	2	1	3	8.0
MDR730	37	37	1	3	--	1	2	9	1	5.0
MDR731	37	37	1	4	125	1	2	3	1	3.0
MDR732	37	37	5	1	--	3	2	3	1	1.0
MDR733	37	3	1	37	--	1	4	1	1	10.0
MDR734	1	2	1	37	--	3	3	1	1	9.0

Appendix B-3 - Chemical Analyses of water Samples, Socorro--continued

sample	WTR DPTH	WTR LEVL	WTR COLR	WELLTYPE	WEL DPTH	VEG TYPE	VEG DENS	CONTAMN	WEATHER	TEMP
MDR735	37	37	1	37	--	3	2	1	1	10.0
MDR736	37	3	1	37	--	6	3	3	2	5.0
MDR737	37	2	3	37	--	3	2	3	2	5.0
MDR738	37	3	1	37	--	1	2	1	5	4.0
MDR739	3	3	1	37	--	3	2	3	3	4.5
MDR740	37	37	1	3	200	1	2	1	2	4.5
MDR751	37	37	1	1	--	1	2	1	2	1.0
MDR752	37	37	1	1	--	1	3	1	2	9.0
MDR753	37	37	1	1	--	1	3	1	2	11.0
MDR754	37	37	1	1	--	1	3	3	2	4.0
MDR755	37	37	1	1	--	1	3	1	2	10.0
MDR756	37	37	1	1	--	3	3	1	2	12.0
MDR757	37	37	1	1	--	3	3	1	2	3.0
MDR758	37	37	1	1	--	1	3	1	2	10.0
MDR759	37	37	1	1	--	1	3	1	2	8.0
MDR760	37	37	1	1	--	1	3	1	3	7.0
MDR761	1	2	1	37	--	1	3	1	5	1.0
MDR762	37	37	1	37	--	1	3	3	1	.5
MDR763	37	37	1	1	--	1	3	1	1	10.0
MDR764	37	37	1	1	--	1	2	1	1	1.0
MDR765	37	37	1	1	--	3	3	1	5	10.0
MDR766	37	37	1	1	--	3	2	1	5	10.0
MDR767	37	37	1	1	--	1	3	3	5	.5
MDR768	37	37	1	1	--	1	3	1	3	8.0
MDR769	37	37	1	1	--	1	3	1	2	10.0
MDR770	37	37	1	1	--	3	3	1	1	5.0
MDR771	37	37	1	37	--	3	2	3	1	.5
MDR772	37	37	2	1	--	3	2	3	1	3.0
MDR773	37	37	1	1	45	1	2	1	1	12.0
MDR774	37	37	3	1	85	1	2	1	1	12.0
MDR775	37	37	3	1	--	3	2	1	1	10.0
MDR901	37	2	3	37	--	3	3	3	2	4.0
MDR902	3	2	3	37	--	3	3	3	3	2.0
MDR903	4	2	4	37	--	3	3	3	3	1.0
MDR904	5	4	1	8	--	3	2	1	1	1.0
MDR905	4	4	1	1	--	3	2	3	1	5.0
MDR906	5	4	1	1	--	4	2	1	1	3.0
MDR907	5	3	1	1	--	4	3	9	1	.5
MDR908	5	2	1	1	--	3	3	1	1	5.0
MDR909	5	3	1	1	--	3	3	9	1	3.0
MDR910	37	37	1	1	--	3	2	1	1	13.0
MDR911	37	3	1	1	--	3	3	1	1	13.0
MDR912	5	2	1	1	--	4	3	1	1	2.0
MDR913	4	2	2	37	--	1	3	3	1	.5
MDR914	3	4	1	37	--	1	3	3	1	2.0

Appendix B-3 - Chemical Analyses of Water Samples, Socorro--continued

sample	WTR DPTH	WTR LEVL	WTR COLR	WELLTYPE	WEL DPTH	VEG TYPE	VEG DENS	CONTAMN	WEATHER	TEMP
MDR915	37	37	1	1	--	4	2	1	1	12.0
MDR916	37	37	1	1	--	4	2	1	1	11.0
MDR917	37	3	1	2	--	4	2	1	1	8.0
MDR918	37	3	1	3	--	3	3	1	1	2.0
MDR919	4	2	1	1	--	4	2	3	1	3.0
MDR920	4	2	1	1	--	4	2	3	1	3.0
MDR921	4	2	3	1	--	4	3	3	2	3.0
MDR922	37	3	1	1	--	4	3	3	2	11.0
MDR923	37	37	1	1	--	4	2	1	2	8.0

Appendix B-3 - Chemical Analyses of Water Samples, Socorro

sample	PH	CONDUCT	DIS OXY	ALKALIN	U PPB	U NORM	SO4 PPM	PO4 PPM	NO3 PPM
MDR501	9.40	361	20.00	104	740	.0020	50.0	<1.0	2.7
MDR502	8.00	542	7.30	152	750	.0014	41.0	<1.0	57.3
MDR503	7.65	414	7.25	179	570	.0014	12.6	<1.0	16.6
MDR504	8.75	120	16.70	34	<50	<.0004	3.6	<1.0	<1.0
MDR505	7.85	650	7.70	150	630	.0010	76.6	<1.0	4.3
MDR506	9.15	440	8.60	201	3,000	.0068	19.6	<1.0	1.7
MDR507	8.05	650	7.90	170	1,000	.0015	173.9	<1.0	10.1
MDR508	8.65	22	8.50	85	150	.0068	8.0	<1.0	3.0
MDR509	7.65	300	2.50	109	<50	<.0002	7.5	<1.0	<1.0
MDR510	7.35	467	5.95	268	6,000	.0128	18.1	<1.0	13.2
MDR511	7.45	358	7.85	209	780	.0022	20.0	<1.0	11.7
MDR512	7.45	398	6.20	240	980	.0025	14.4	<1.0	17.0
MDR513	9.40	223	14.25	130	250	.0011	6.9	<1.0	6.8
MDR514	7.25	521	4.90	291	580	.0011	28.6	<1.0	9.4
MDR515	7.75	740	7.90	242	2,000	.0027	194.2	<1.0	2.6
MDR516	7.50	980	5.20	463	5,000	.0051	192.2	<1.0	<1.0
MDR517	7.95	620	9.40	235	2,000	.0032	169.2	<1.0	<1.0
MDR518	8.50	540	11.70	208	1,000	.0019	132.1	<1.0	2.7
MDR519	8.35	479	9.40	270	2,000	.0042	174.7	<1.0	4.4
MDR520	7.25	530	3.50	270	810	.0015	34.3	<1.0	<1.0
MDR521	7.60	479	5.80	259	1,000	.0021	17.4	<1.0	12.5
MDR522	6.50	395	12.80	199	250	.0006	15.1	<1.0	<1.0
MDR523	9.15	380	16.80	206	730	.0019	7.6	<1.0	<1.0
MDR524	7.35	300	6.50	128	1,000	.0033	8.1	<1.0	14.4
MDR525	7.95	850	8.10	203	980	.0012	416.6	<1.0	6.3
MDR526	8.25	325	3.00	126	<50	<.0002	23.4	<1.0	<1.0
MDR527	8.60	290	9.70	135	1,000	.0034	14.7	<1.0	1.9
MDR528	8.00	280	11.60	108	860	.0031	17.5	<1.0	1.6
MDR529	7.95	600	10.80	262	3,000	.0050	46.9	<1.0	11.3
MDR530	7.55	440	2.30	207	2,000	.0045	30.0	<1.0	<1.0
MDR531	7.60	475	1.80	143	1,000	.0021	17.1	<1.0	42.9
MDR532	7.85	440	5.80	179	4,000	.0091	13.0	<1.0	70.7
MDR533	7.85	440	5.80	178	4,000	.0091	13.1	<1.0	46.4
MDR534	7.75	455	6.60	211	1,000	.0022	27.8	<1.0	19.2
MDR535	7.85	490	7.90	258	680	.0014	15.5	<1.0	22.4
MDR536	8.15	460	10.80	240	430	.0009	18.4	<1.0	22.5
MDR537	8.40	455	9.80	233	800	.0018	16.7	<1.0	7.5
MDR538	7.65	475	3.80	157	1,000	.0021	20.0	<1.0	9.5
MDR539	8.85	555	10.20	266	23,000	.0414	30.1	<1.0	13.1
MDR540	7.55	490	20.00	227	330	.0007	<1.0	<1.0	<1.0
MDR541	7.75	315	6.80	121	210	.0007	18.9	<1.0	5.9
MDR542	8.95	280	11.70	172	1,000	.0036	7.9	<1.0	2.1
MDR543	8.40	285	7.00	150	3,000	.0105	7.5	<1.0	6.7
MDR544	7.50	370	6.00	212	11,000	.0297	10.3	<1.0	1.2
MDR545	--	560	6.10	284	6,000	.0107	97.4	<1.0	9.5

Appendix B-3 - Chemical Analyses of water Samples, Socorro--continued

sample	PH	CONDUCT	DIS OXY	ALKALIN	U PPB	U NORM	SO4 PPM	PO4 PPM	NO3 PPM
MDR546	8.15	810	9.40	363	7,000	.0086	123.4	<1.0	<1.0
MDR547	7.45	1,200	9.00	437	10,000	.0083	113.9	<1.0	<1.0
MDR548	7.85	780	6.40	340	6,000	.0077	175.0	<1.0	<1.0
MDR549	7.70	1,200	6.80	115	8,000	.0067	155.9	<1.0	2.3
MDR550	7.45	575	5.60	314	2,000	.0035	17.5	<1.0	6.4
MDR551	8.25	420	10.00	246	1,000	.0024	12.4	<1.0	<1.0
MDR552	8.15	540	10.00	289	1,000	.0019	54.2	<1.0	<1.0
MDR553	8.00	260	5.80	120	3,000	.0107	11.1	<1.0	10.5
MDR554	7.70	320	1.60	163	<1,000	<.0031	7.6	<1.0	<1.0
MDR555	8.00	380	9.50	171	920	.0024	16.7	<1.0	3.7
MDR556	7.75	310	6.80	142	560	.0018	9.4	<1.0	14.5
MDR557	7.80	360	7.50	173	650	.0018	9.6	<1.0	13.8
MDR558	7.15	265	1.90	128	360	.0014	6.8	<1.0	6.9
MDR559	8.15	240	1.80	88	490	.0020	18.2	<1.0	16.7
MDR560	9.25	260	8.30	154	3,000	.0115	8.4	<1.0	<1.0
MDR561	7.55	340	5.10	109	2,000	.0059	71.4	<1.0	5.6
MDR562	7.45	180	3.20	88	<50	<.0003	3.4	<1.0	<1.0
MDR563	7.55	240	2.10	122	530	.0022	10.9	<1.0	<1.0
MDR564	10.20	310	10.60	122	500	.0016	16.4	<1.0	<1.0
MDR565	8.25	330	4.30	165	1,000	.0030	11.2	<1.0	9.8
MDR566	7.40	380	13.00	212	460	.0012	25.2	<1.0	<1.0
MDR567	7.50	320	7.50	184	450	.0014	20.8	<1.0	4.4
MDR568	7.45	310	5.90	158	300	.0010	11.1	<1.0	7.6
MDR569	8.90	260	9.70	143	2,000	.0077	5.0	<1.0	1.8
MDR570	7.45	520	6.00	241	3,000	.0058	32.7	<1.0	9.9
MDR571	10.50	400	15.60	194	1,000	.0025	17.6	<1.0	<1.0
MDR572	7.35	460	7.50	275	2,000	.0043	17.1	<1.0	6.9
MDR573	8.75	335	11.00	173	1,000	.0030	21.8	<1.0	8.3
MDR574	8.05	720	1.20	335	8,000	.0111	81.5	<1.0	<1.0
MDR575	7.40	580	4.60	303	4,000	.0069	5.6	<1.0	2.7
MDR576	6.70	230	5.45	66	610	.0027	18.2	<1.0	10.0
MDR577	6.70	230	5.45	68	680	.0030	30.8	<1.0	25.1
MDR578	7.95	160	11.20	85	160	.0009	1.5	<1.0	<1.0
MDR579	8.30	340	6.10	152	5,000	.0147	7.7	<1.0	5.4
MDR580	8.45	619	9.48	299	4,000	.0065	80.8	<1.0	3.2
MDR581	8.05	720	7.50	402	2,000	.0028	29.4	<1.0	<1.0
MDR582	8.35	1,950	11.50	158	2,000	.0010	930.6	<1.0	<1.0
MDR583	8.55	625	8.80	337	3,000	.0048	52.0	<1.0	1.6
MDR584	7.80	3,300	7.60	190	2,000	.0006	1,776.1	<1.0	<1.0
MDR585	7.70	920	5.60	274	5,000	.0054	156.2	<1.0	6.3
MDR586	7.75	5,000	4.50	199	6,000	.0012	--	--	--
MDR587	9.65	380	5.00	158	3,000	.007?	8.6	<1.0	5.2
MDR588	9.60	450	5.80	177	3,000	.0067	14.8	<1.0	3.2
MDR589	9.05	840	3.40	318	730	.0009	74.0	<1.0	<1.0
MDR590	8.15	900	7.70	425	17,000	.0189	21.0	<1.0	1.3

Appendix B-3 - Chemical Analyses of Water Samples, Socorro--continued

sample	PH	CONDUCT	DIS OXY	ALKALIN	U PPB	U NORM	SO4 PPM	PO4 PPM	NO3 PPM
MDR591	7.80	800	3.30	294	12,000	.0150	363.0	<1.0	20.6
MDR592	8.00	310	3.10	156	630	.0020	12.5	<1.0	<1.0
MDR593	7.35	370	2.80	191	<50	<.0001	27.1	<1.0	<1.0
MDR594	8.30	480	16.00	231	380	.0008	35.8	<1.0	<1.0
MDR595	7.15	340	6.30	137	100	.0003	38.0	1.0	1.7
MDR596	7.15	520	3.30	271	<50	<.0001	20.0	<1.0	<1.0
MDR597	7.75	600	7.80	359	13,000	.0217	16.2	<1.0	<1.0
MDR598	7.95	595	19.00	283	10,000	.0168	37.7	<1.0	<1.0
MDR599	7.69	620	4.90	316	7,000	.0113	3.3	<1.0	<1.0
MDR600	7.25	560	6.60	325	490	.0009	36.8	<1.0	<1.0
MDR601	7.45	840	2.80	463	4,000	.0048	31.9	<1.0	<1.0
MDR602	7.65	720	7.65	397	2,000	.0028	31.4	<1.0	7.9
MDR603	7.85	300	7.20	147	140	.0005	11.6	<1.0	1.1
MDR604	7.95	300	5.80	123	450	.0015	9.0	<1.0	3.5
MDR605	7.75	425	3.00	222	<50	<.0001	<1.0	<1.0	<1.0
MDR606	7.20	2,600	6.80	180	13,000	.0050	1,930.3	<1.0	<1.0
MDR607	7.20	2,600	6.80	178	17,000	.0065	1,899.7	<1.0	<1.0
MDR608	8.80	1,400	11.80	450	34,000	.0243	163.6	<1.0	<1.0
MDR609	8.70	4,900	8.20	962	7,000	.0014	1,536.6	<1.0	<1.0
MDR610	6.85	4,800	5.60	110	960	.0002	3,300.0	<1.0	<1.0
MDR611	7.20	3,400	4.50	186	2,000	.0006	1,9[illegible]2.0	<1.0	<1.0
MDR612	6.65	2,600	3.70	102	1,000	.0004	1,975.7	<1.0	<1.0
MDR613	6.70	3,100	8.60	88	9,000	.0029	1,976.7	<1.0	<1.0
MDR614	6.90	3,000	4.50	125	<50	<0	1,962.0	<1.0	<1.0
MDR615	8.10	4,600	11.60	77	3,000	.0007	3,465.0	<1.0	<1.0
MDR616	8.65	220	15.00	100	1,000	.0045	17.2	<1.0	<1.0
MDR626	8.25	240	11.60	116	190	.0008	1.1	<1.0	<1.0
MDR627	9.25	380	13.20	101	4,000	.0105	84.0	<1.0	21.9
MDR628	6.85	440	7.40	173	1,000	.0023	36.0	<1.0	5.1
MDR629	7.10	440	2.30	216	80	.0002	22.6	<1.0	<1.0
MDR630	9.25	220	14.60	112	150	.0007	10.2	<1.0	3.1
MDR631	6.80	590	8.70	291	2,000	.0034	49.5	<1.0	2.5
MDR632	6.90	580	5.90	176	1,000	.0017	51.1	<1.0	6.5
MDR633	6.50	420	7.50	209	2,000	.0048	39.8	<1.0	<1.0
MDR634	7.15	600	9.80	219	2,000	.0033	5.2	<1.0	1.0
MDR635	7.10	640	8.80	177	4,000	.0062	80.5	<1.0	<1.0
MDR636	7.00	560	9.80	240	4,000	.0071	48.3	<1.0	4.0
MDR637	7.40	320	10.00	127	360	.0012	5.6	<1.0	2.4
MDR638	8.10	400	13.00	160	1,000	.0025	44.2	<1.0	<1.0
MDR639	7.50	220	--	125	1,000	.0045	14.1	<1.0	8.2
MDR640	8.75	180	13.50	91	2,000	.0111	12.9	<1.0	<1.0
MDR641	7.70	540	8.00	252	2,000	.0037	43.9	<1.0	<1.0
MDR642	8.05	240	10.00	137	1,000	.0042	98.6	<1.0	17.5
MDR643	7.05	420	6.30	173	1,000	.0024	10.7	<1.0	<1.0
MDR644	9.10	165	16.60	74	290	.0018	1.2	<1.0	<1.0

Appendix B-3 - Chemical Analyses of water Samples, Socorro--continued

Sample	PH	CONDUCT	DIS OXY	ALKALIN	U PPB	U NORM	SO4 PPM	PO4 PPM	NO3 PPM
MDR645	7.75	440	10.80	151	740	.0017	39.0	<1.0	21.9
MDR646	8.05	360	11.80	176	700	.0019	2.8	2.8	7.7
MDR647	8.15	2,100	12.00	163	3,000	.0014	379.4	<1.0	3.9
MDR648	7.95	400	--	130	1,000	.0025	25.0	<1.0	1.5
MDR649	8.25	640	--	134	3,000	.0047	192.2	<1.0	<1.0
MDR650	7.10	875	--	220	2,000	.0023	244.2	<1.0	<1.0
MDR651	7.35	480	--	221	2,000	.0042	38.3	<1.0	<1.0
MDR652	8.15	640	10.00	134	2,000	.0031	124.1	<1.0	11.7
MDR653	7.45	720	8.40	301	7,000	.0097	85.1	<1.0	<1.0
MDR654	6.90	2,400	8.00	102	1,000	.0004	325.6	<1.0	<1.0
MDR655	8.45	340	9.70	136	1,000	.0029	34.4	<1.0	<1.0
MDR656	8.45	340	9.70	148	1,000	.0029	34.6	<1.0	<1.0
MDR657	7.70	850	8.30	165	4,000	.0047	216.6	<1.0	<1.0
MDR658	8.10	1,600	10.20	130	420	.0003	536.6	<1.0	1.5
MDR659	7.95	2,400	7.60	109	4,000	.0017	1,750.0	<1.0	<1.0
MDR660	7.45	2,400	8.80	172	6,000	.0025	1,494.9	<1.0	<1.0
MDR661	8.15	420	10.80	215	3,000	.0071	22.1	<1.0	11.5
MDR662	7.55	700	10.80	184	2,000	.0029	180.1	<1.0	<1.0
MDR663	7.65	200	9.60	69	2,000	.0100	21.7	<1.0	<1.0
MDR664	7.60	350	3.70	400	130	.0004	1,815.0	<1.0	<1.0
MDR665	8.55	280	10.20	135	100	.0004	17.2	<1.0	2.0
MDR666	9.00	300	10.70	89	420	.0014	12.9	<1.0	<1.0
MDR667	7.25	460	10.50	77	450	.0010	222.2	<1.0	<1.0
MDR668	8.45	190	11.00	98	290	.0015	2.7	<1.0	<1.0
MDR669	7.80	200	12.00	136	630	.0032	9.8	<1.0	<1.0
MDR670	7.45	2,900	10.40	124	10,000	.0034	1,918.6	<1.0	<1.0
MDR671	6.80	3,200	10.60	119	10,000	.0031	2,365.9	<1.0	<1.0
MDR672	7.05	2,950	10.80	97	1,000	.0003	2,234.9	<1.0	<1.0
MDR673	8.30	320	13.10	82	640	.0020	81.7	<1.0	<1.0
MDR674	6.65	2,600	11.00	88	4,000	.0015	1,633.0	<1.0	13.7
MDR675	9.35	2,600	12.40	181	9,000	.0035	2,202.8	<1.0	61.4
MDR676	7.30	430	6.50	169	230	.0005	25.5	<1.0	42.4
MDR677	7.50	140	8.90	61	200	.0014	2.9	<1.0	13.0
MDR678	7.25	2,050	3.80	297	2,000	.0010	724.4	<1.0	<1.0
MDR679	8.05	970	18.00	170	1,000	.0010	410.1	<1.0	<1.0
MDR680	6.95	2,600	4.75	850	150	.0001	710.2	<1.0	<1.0
MDR681	6.95	470	7.50	209	1,000	.0021	34.9	<1.0	4.5
MDR682	7.80	2,900	9.80	149	2,000	.0007	1,579.9	<1.0	<1.0
MDR683	7.95	410	1.60	125	100	.0002	62.3	<1.0	<1.0
MDR684	7.45	1,650	5.90	109	230	.0001	1,232.9	<1.0	<1.0
MDR685	8.10	520	11.50	192	7,000	.0135	55.8	<1.0	6.8
MDR686	8.15	2,900	11.00	113	150	.0001	872.1	<1.0	<1.0
MDR687	8.65	800	9.00	330	300	.0004	88.0	<1.0	<1.0
MDR688	--	2,600	4.40	264	50,000	.0192	581.4	<1.0	1.6
MDR689	7.75	670	12.50	381	704,000	1.0507	74.3	<1.0	<1.0

Appendix B-3 - Chemical Analyses of Water Samples Socorro--continued

sample	PH	CONDUCT	DIS OXY	ALKALIN	U PPB	U NORM	SO4 PPM	PO4 PPM	NO3 PPM
MDR690	6.95	620	6.00	244	74,000	.1194	75.0	<1.0	6.6
MDR691	7.20	830	8.00	409	39,000	.0470	118.8	<1.0	<1.0
MDR692	7.90	7,400	2.30	136	<50	<0	3,883.7	<1.0	<1.0
MDR693	7.65	820	12.30	173	17,000	.0207	165.1	<1.0	<1.0
MDR694	7.30	450	1.40	67	690	.0015	89.6	<1.0	<1.0
MDR695	7.20	450	8.40	206	3,000	.0067	15.2	<1.0	<1.0
MDR696	7.80	710	9.60	281	5,000	.0070	89.9	<1.0	12.5
MDR697	7.85	4,500	8.90	203	1,000	.0002	499.8	<1.0	<1.0
MDR698	7.55	610	6.50	224	1,000	.0012	76.8	<1.0	2.3
MDR699	7.55	810	6.50	225	2,000	.0025	94.0	<1.0	3.2
MDR700	7.20	430	6.90	173	2,000	.0047	74.2	<1.0	1.8
MDR701	9.25	425	16.20	110	1,000	.0024	80.1	<1.0	<1.0
MDR702	7.55	2,600	9.30	146	1,000	.0004	143.1	<1.0	<1.0
MDR703	7.50	2,015	6.00	182	5,000	.0025	1,211.5	<1.0	<1.0
MDR704	7.20	1,800	8.40	162	6,000	.0033	1,128.1	<1.0	<1.0
MDR705	7.80	220	11.00	109	340	.0015	6.3	<1.0	<1.0
MDR706	7.05	2,500	7.20	103	5,000	.0020	1,732.9	<1.0	<1.0
MDR707	8.00	4,200	10.80	57	4,000	.0010	3,410.1	<1.0	<1.0
MDR708	6.95	1,080	4.60	453	17,000	.0157	215.2	<1.0	4.9
MDR709	9.05	3,500	12.50	1,040	2,000	.0006	1,136.4	<1.0	<1.0
MDR710	9.10	3,300	15.60	64	12,000	.0036	2,558.1	<1.0	<1.0
MDR711	7.30	650	4.80	241	19,000	.0292	171.0	<1.0	11.2
MDR712	6.85	2,500	10.10	156	9,000	.0036	1,958.0	<1.0	<1.0
MDR713	7.80	2,100	11.20	108	6,000	.0029	1,474.0	<1.0	<1.0
MDR714	7.85	1,000	15.40	190	3,000	.0030	391.7	<1.0	19.4
MDR715	9.55	100	14.80	55	<50	<.0005	2.4	<1.0	<1.0
MDR716	7.90	180	10.20	71	<50	<.0003	1.3	<1.0	<1.0
MDR717	7.45	250	10.40	104	<50	<.0002	35.0	<1.0	<1.0
MDR718	7.75	2,100	10.60	163	27,000	.0129	1,720.9	<1.0	<1.0
MDR719	8.40	165	12.80	95	480	.0029	9.0	<1.0	<1.0
MDR720	8.45	150	14.00	91	1,000	.0067	2.1	<1.0	<1.0
MDR721	8.85	175	13.00	99	<50	<.0003	2.4	<1.0	<1.0
MDR722	8.05	365	14.00	155	1,000	.0027	27.9	<1.0	1.6
MDR723	8.05	365	14.00	165	1,000	.0027	26.7	<1.0	1.5
MDR724	7.85	300	12.20	167	<50	<.0002	13.2	<1.0	13.7
MDR725	6.75	580	10.10	382	1,000	.0017	11.0	<1.0	<1.0
MDR726	7.20	490	5.60	250	400	.0008	9.5	<1.0	6.5
MDR727	7.25	410	5.00	197	800	.0020	11.5	<1.0	1.7
MDR728	8.90	525	7.00	199	160	.0003	39.5	<1.0	7.3
MDR729	7.25	460	6.50	265	<50	<.0001	8.1	<1.0	<1.0
MDR730	7.40	470	7.50	195	4,000	.0085	17.5	<1.0	2.3
MDR731	8.05	400	11.50	231	1,000	.0025	19.2	<1.0	<1.0
MDR732	8.55	2,750	10.00	146	8,000	.0029	2,272.0	<1.0	<1.0
MDR733	7.10	175	8.30	76	100	.0006	18.5	<1.0	<1.0
MDR734	8.00	465	8.70	195	4,000	.0086	20.9	<1.0	<1.0

Appendix B-3 - Chemical Analyses of water Samples, Socorro--continued

sample	PH	CONDUCT	DIS OXY	ALKALIN	U PPM	U NORM	SO4 PPM	PO4 PPM	NO3 PPM
MDR735	8.05	995	8.40	439	11,000	.0111	60.1	<1.0	<1.0
MDR736	7.30	1,300	9.70	168	10,000	.0077	583.3	<1.0	1.7
MDR737	9.65	2,700	12.60	497	14,000	.0052	261.9	<1.0	<1.0
MDR738	7.20	480	4.90	240	8,000	.0167	54.1	<1.0	<1.0
MDR739	7.30	690	9.10	327	12,000	.0174	53.6	<1.0	1.0
MDR740	6.80	775	5.50	226	6,000	.0077	146.4	<1.0	<1.0
MDR751	8.15	540	10.40	276	12,000	.0222	46.6	<1.0	3.9
MDR752	7.30	560	5.20	312	12,000	.0214	27.8	<1.0	<1.0
MDR753	7.45	1,010	3.20	237	380	.0004	282.0	<1.0	<1.0
MDR754	7.70	820	10.40	373	2,000	.0024	147.5	<1.0	<1.0
MDR755	7.40	480	7.20	233	3,000	.0062	67.1	<1.0	4.4
MDR756	8.50	1,200	3.30	429	<50	<0	176.5	<1.0	<1.0
MDR757	8.85	640	13.20	297	190	.0003	69.3	<1.0	<1.0
MDR758	6.95	500	4.30	254	250	.0005	26.5	<1.0	1.8
MDR759	7.25	400	6.60	226	1,000	.0025	38.6	1.0	<1.0
MDR760	7.80	400	7.10	216	750	.0019	39.1	1.0	<1.0
MDR761	7.80	410	8.90	231	1,000	.0024	38.6	1.0	<1.0
MDR762	7.70	280	10.42	149	400	.0014	3.8	<1.0	<1.0
MDR763	7.75	381	5.45	222	720	.0019	7.0	<1.0	17.2
MDR764	7.80	520	7.45	312	<50	<.0001	24.7	<1.0	<1.0
MDR765	7.35	280	8.00	141	500	.0018	10.9	<1.0	10.7
MDR766	7.30	240	7.60	163	100	.0004	11.1	<1.0	3.8
MDR767	8.30	300	--	219	1,000	.0033	6.6	<1.0	<1.0
MDR768	7.10	540	6.00	301	2,000	.0037	45.0	<1.0	17.3
MDR769	7.15	380	4.80	218	1,000	.0026	41.8	<1.0	9.2
MDR770	7.40	--	4.40	264	1,000	--	59.8	<1.0	<1.0
MDR771	6.95	1,400	13.20	250	20,000	.0143	603.4	<1.0	<1.0
MDR772	8.80	2,200	12.40	301	19,000	.0086	511.6	<1.0	<1.0
MDR773	6.85	2,800	4.50	130	4,000	.0014	1,919.0	<1.0	100.0
MDR774	6.75	2,600	4.60	210	6,000	.0023	1,661.9	<1.0	<1.0
MDR775	7.10	1,800	2.60	231	66,000	.0367	838.1	<1.0	<1.0
MDR901	7.40	280	11.80	108	<50	<.0002	4.3	<1.0	7.6
MDR902	7.70	200	14.00	106	11,000	.0550	1.5	<1.0	1.0
MDR903	8.75	140	19.20	73	240	.0017	1.7	<1.0	<1.0
MDR904	6.25	2,700	10.50	72	6,000	.0022	1,871.7	<1.0	<1.0
MDR905	7.95	2,400	13.40	125	7,000	.0029	1,998.7	<1.0	<4.5
MDR906	7.70	340	13.50	182	24,000	.0706	2,214.2	<1.0	<1.0
MDR907	8.50	730	12.10	242	53,000	.0726	104.5	<1.0	7.3
MDR908	8.15	780	11.10	259	42,000	.0538	67.9	<1.0	<1.0
MDR909	7.00	2,800	14.70	164	6,000	.0021	1,941.7	<1.0	49.4
MDR910	7.25	3,400	5.20	92	1,000	.0003	2,583.2	<1.0	<1.0
MDR911	6.95	2,800	4.00	150	5,000	.0018	2,346.4	<1.0	<1.0
MDR912	7.15	2,800	10.10	155	14,000	.0050	2,032.5	<1.0	<1.0
MDR913	8.85	105	15.80	66	<50	<.0005	1.9	<1.0	<1.0
MDR914	8.05	920	12.00	261	1,000	.0011	285.7	<1.0	11.6

Appendix B-3 - Chemical Analyses of Water Samples, Socorro--continued

sample	PH	CONDUCT	DIS OXY	ALKALIN	U PPB	U NORM	SO4 PPM	PO4 PPM	NO3 PPM
MDR915	6.95	2,900	4.80	170	4,000	.0014	1,732.1	<1.0	48.4
MDR916	6.50	2,700	3.20	164	3,000	.0011	2,067.3	<1.0	16.2
MDR917	6.50	2,600	5.20	113	5,000	.0019	1,564.4	<1.0	<1.0
MDR918	7.00	2,500	12.20	113	3,000	.0012	1,564.4	<1.0	<1.0
MDR919	6.10	3,000	18.20	36	<50	<0	1,862.2	<1.0	<1.0
MDR920	6.10	3,000	18.20	36	640	.0002	2,179.0	<1.0	<1.0
MDR921	5.95	2,200	9.60	153	100	.0	1,564.4	<1.0	<1.0
MDR922	6.25	3,000	6.40	148	8,000	.0027	1,887.7	<1.0	21.3
MDR923	5.90	2,600	8.10	158	3,000	.0012	1,409.1	<1.0	<1.0

Explanation of parameter headers and data:

Non-Element Data:

Rep Spl: 10 = Non-replicated sample
1 = Replicated sample; replicate is adjacent with identical latitude and longitude

RELIEF: 1 = Flat; 2 = Low (<50 ft); 3 = Gentle (50-200 ft); 4 = Moderate (200-1000 ft); 5 = High (>1000 ft); 6 = Other

ROCK TYPE: 1 = Sedimentary; 2 = Metamorphic; 3 = Intrusive; 4 = Volcanic; 5 = Unknown

WATER TYPE: 1 = Stream; 2 = Spring; 3 = Well; 4 = Natural lake or pond; 5 = Artificial lake or pond; 6 = Stock or holding tank; 7 = Other

WATER FLOW: 1 = Stagnant; 2 = Slow; 3 = Moderate; 4 = Fast; 5 = Torrent

STREAM WIDTH: 1 = <1/2 ft; 2 = 1/2-1 ft; 3 = 1-2 ft; 4 = 2-4 ft; 5 = 4-8 ft; 6 = 8-16 ft; 7 = 16-32 ft; 8 = >32 ft

WATER DEPTH: 1 = <1/2 ft; 2 = 1/2-1 ft; 3 = 1-2 ft; 4 = 2-4 ft; 5 = >4 ft

WATER LEVEL: 1 = Dry; 2 = Low; 3 = Normal; 4 = High; 5 = Flood

WATER COLOR: 1 = Clear; 2 = Murky; 3 = Cloudy; 4 = Muddy; 5 = Algal; 6 = Other

WELL TYPE: 1 = Windmill-stock; 2 = Windmill-domestic; 3 = Submersible pump; 4 = Suction pump; 5 = Jet pump; 6 = Large turbine; 7 = Hand bail; 8 = Unknown; 9 = Other

WELL USE: 1 = Human drinking; 2 = Animal drinking; 3 = Irrigation; 4 = Other

WELL DEPTH: _____ft

VEGETATION TYPE: 1=Conifers; 2=Deciduous; 3=Brush; 4=Grass; 5=Moss; 6=Marsh; 7=Other

VEGETATION DENSITY: 1 = Barren; 2 = Sparse; 3 = Moderate; 4 = Dense; 5 = Very Dense

CONTAMINANTS: 1 = None; 2 = Mining; 3 = Agriculture/ livestock; 4 = Industry; 5 = Sewage; 6 = Power generation; 7 = Urban; 8 = Recreation; 9 = Other, such as dumps

WEATHER: 1 = Clear; 2 = Partly cloudy; 3 = Overcast; 4 = Rainy; 5 = Snowy; 6 = Other

For all Non-Element Parameters: 37 = No data available

Element Data:

< = Constituent detected but less than the given value.
> = Constituent greater than the given value.
-- = No data available.

Lower Limit of Determination:

U	= 0.05	µgA	(ppb)
Alkalinity	= 2	mg/ℓ	(ppm)
SO_4	= 1	mg/ℓ	(ppm)
NO_3	= 1	mg/ℓ	(ppm)
PO_4	= 1	mg/ℓ	(ppm)

U NORM = uranium concentration/conductivity

PGJ-068(81)

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 1>

Deposit Name A10<SANDY MINE>

Synonym Name(s) A11<SANDY AREA, SOUTH LAGUNA MINES>

District or Area A30<LAGUNA DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<VALENCIA>

Position from Prominent Locality A82<3.5 MILES SOUTHWEST WEST OF LAGUNA, NEW MEXICO, 5.3 MILES N 20 W OF DOUGH MOUNTAIN>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-59-13N> (Dg Mn Sc) Longitude A80<107-20-55W> (Dg Mn Sc)

Township A77<009N> (N/S) Range A78<005W> (E/W) Section A79<27>

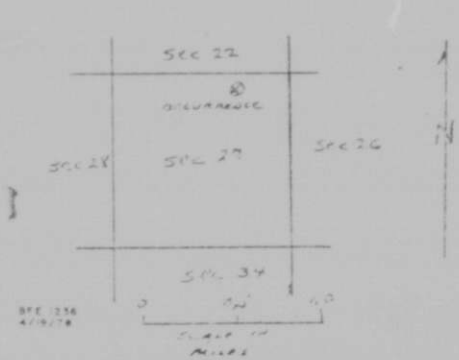
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5950 FT>

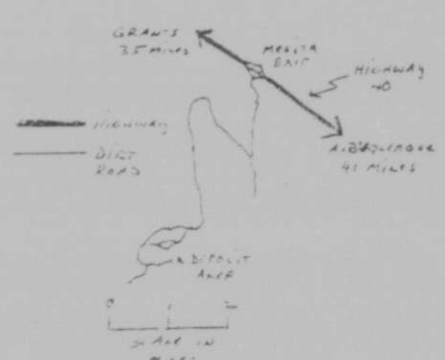
Quad Scale A91<24000 > Quad Name A92<DOUGH MOUNTAIN>

Physiographic Province A63<11 COLORADO PLATEAU> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE VISITED ON 01/09/79 AS ACCESS DENIED BY THE GOVERNOR OF THE LAGUNA INDIAN RESERVATION>

Location Sketch Map:





URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 1_____

Commodities Present:
C10<U___V_____>
Commodities Produced:
MAJOR<U_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<4>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<DISCOVERED IN 1950_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<AS OF 1967 WORKINGS CONSISTED OF 2 OPEN__

PITS_____>

Cumulative Uranium Production PROD (YES ---, NO ----) SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UACC> G7A< 2> G7B<LB> G7C<_____> G7D<.12 % U308>

Source of Information D9<USGS PROFESSIONAL PAPER 519_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 1

Deposit Form/Shape M10< STRATIFORM >

				FT/M	
Length	M40<	3000>	M41<	FT>	Size M15 (circle letter)
Width	M50<	1200>	M51<	FT>	tb U3O8
Thickness	M60<	>	M61<	>	-A- 0-20,000
Strike	M70<	DUE EAST >			B 20,000-200,000
Dip	M80<	30 S >			C 200,000-2,000,000
					D 2million - 20million
					E More than 20million

Tectonic Setting N15<PLATFORM >

Major Regional Structures N5<DEPOSIT IS LOCATED ON THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU JUST WEST OF THE RIO GRANDE TROUGH>

Local Structures N70<THERE IS A SOUTH FACING JURASSIC MONOCLINE WHOSE LIMB DIPS UP TO 12 DEG. SOUTH IN THE AREA; THE OVERLYING TODILTO>*

Host-FM. Name U1<ENTRADA SANDSTONE > Member U2< >

Host Rock K1<JUR (Age) A TOP AND BASAL UNIT OF SANDSTONE WITH A MIDDLE UNIT CONSISTING OF MUDSTONE, SILTSTONE, AND SANDSTONE. BASAL SANDSTONE IS FINE TO COARSE GRAINED, LIGHT BROWN IN COLOR, CALCITE> (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)*

Host-Rock Environment U3<AEOLIAN (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C3O<CARNOTITE, VANADIUM CLAY>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 1_____

Alteration N75<BLEACHING_____

Reductants U5<CARBONACEOUS TRASH_____

Analytical Data (General) C43<_____

Radiometric Data (General) U6<_____
(No. times background and dimensions)

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__

EPIGENETIC_____

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

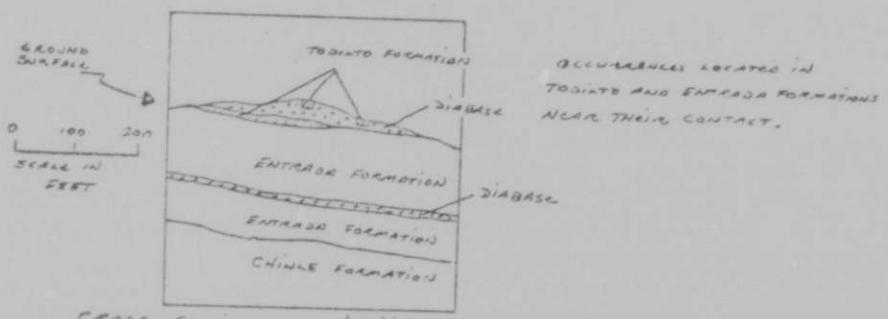
Quad Name SOCORRO_____

Deposit No. 1_____

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



CROSS SECTION TAKEN N 30° W THROUGH DEPOSIT AREA

References:

F1<MOENCH, R. H. AND SCHLEE, J. S., 1967, GEOLOGY AND URANIUM DEPOSITS OF THE LAGUNA DISTRICT, NEW MEXICO PROFESSIONAL PAPER 519_____>

_____>

F2<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO_ GEOLOGICAL SURVEY PROFESSIONAL PAPER 603_____>

_____>

F3<AEC PRELIMINARY RECONNAISSANCE REPORT ED:R-477, OPEN-FILED_____

_____

_____>

F4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 1_____

Continuation from p. 1-5

Label

N70<CONTAINS INTRAFORMATIONAL FOLDS_____>

K1<CEMENTED WITH SUBORDINATE QUARTZ OVERGROWTHS. THERE ARE DEEP_____ SCOURS AT THE BASE OF THE UNIT WHICH CONTAIN COARSE SANDSTONE AND,____ LOCALLY, QUARTZ PEBBLE CONGLOMERATE. THE UNIT TENDS TO COARSEN_____ DOWNWARD AND SOUTH- WARD. THE ROCK IS GENERALLY FAIRLY WELL SORTED;___ MOST COARSE GRAINS ARE CONCENTRATED IN THIN LAMINAE, MEDIUM SCALE_____ FESTOON CROSS- STRATIFICATION IS CONSPICUOUS. THE MIDDLE UNIT IS_____ COMPRISED MAINLY OF SOFT SLOPE FORMING SILTSTONE, BUT INCLUDES SOME___ SANDSTONE. THE SILTSTONE IS LIGHT BROWN TO PALE REDDISH BROWN AND_____ LOCALLY MOTTLED LIGHT GREENISH GRAY. IT IS SLIGHTLY CALCAREOUS,_____ FRIABLE TO FIRMLY CEMENTED, LAMINATED TO THINLY BEDDED, AND IS THINLY_ CROSS LAMINATED. THE SANDSTONE IS GRAYISH ORANGE-PINK TO LIGHT BROWN,_ THIN BEDS, FINE TO VERY FINE GRAINED, WELL CEMENTED WITH CALCITE, AND_ STRUCTURELESS TO FAINTLY LAMINATED. THE UPPER UNIT IS SIMILAR TO THE__ BASAL UNIT, HOWEVER THE BEDDING IS PLANER AND TROUGH CROSS STRATIFIED_ AND THE DEEP SCOURS AND QUARTZ PEBBLE CONGLOMERATES ARE NOT PRESENT. _ ONLY THE UPPER TWO UNITS ARE PRESENT IN MINE AREA_____>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 2>

Deposit Name A10<UNNAMED DEPOSIT>

Synonym Name(s) A11<SOUTH LAGUNA MINES>

District or Area A30<LAGUNA DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<VALENCIA>

Position from Prominent Locality A82<3.5 MILES SOUTHWEST OF LAGUNA, NEW MEXICO, 5.3 MILES N 20 W OF DOUGH MOUNTAIN>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-59-15N> (Dg Mn Sc) Longitude A80<107-20-45W> (Dg Mn Sc)

Township A77<009N> (N/S) Range A78<005W> (E/W) Section A79<27>

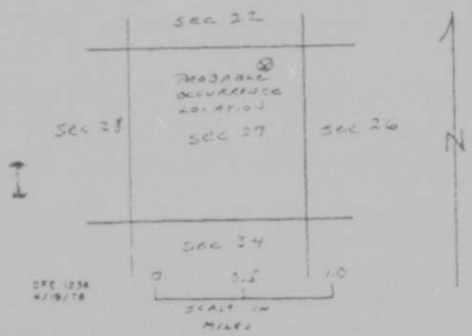
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5950 FT>

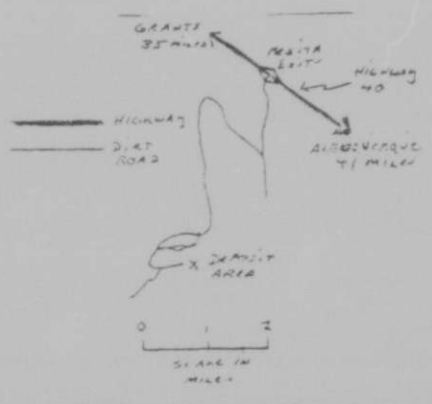
Quad Scale A91<24000 > Quad Name A92<DOUGH MOUNTAIN>

Physiographic Province A63<11 COLORADO PLATEAU> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE VISITED ON 1/9/79 AS ACCESS WAS DENIED BY THE GOVERNOR OF THE LAGUNA INDIAN RESERVATION>

Location Sketch Map:





URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 2_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<1>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 2

Deposit Form/Shape M10< STRATIFORM >

Length M40<_____> M41<__> FT/M

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<_____>

Dip M80<_____>

Size M15 (circle letter)
(b U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<PLATFORM>

Major Regional Structures N5<DEPOSITS LOCATED ON THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU>

Local Structures N70<INTRAFORMATIONAL FOLDS WITH AMPLITUDES AS GREAT AS 15 FT ARE PRESENT IN DEPOSIT AREA>

Host-Fm. Name U1<TODILTO LIMESTONE> Member U2<>

Host Rock K1<JUR (Age) LIMESTONE, FINE GRAINED, DENSE, LIGHT GREY TO DARK BROWN GREY, BLEACHED IN PLACES, SUBORDINATE CALCAREOUS SILTSTONE AND SANDSTONE LENSES, INTRAFORMATIONAL FOLDS PRESENT IN DEPOSIT AREA> (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<RESTRICTED MARINE EMBAYMENT, SALINE LK. OR MIXED MARINE DAY-LACUSTRINE> (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 2_____

Alteration N75<BLEACHING_____

_____

_____>

Reductants U5<_____

_____

_____>

Analytical Data (General) C43<_____

_____

_____

_____>

Radiometric Data (General) U6<_____
(No. times background and dimensions)

_____

_____

_____>

Ore Controls K5<LITHOLOGIC, CHEMICAL, AND STRUCTURAL AS DEPOSIT IS____
STRATIFORM, EPIGENETIC, AND ASSOCIATED WITH INTRAFORMATIONAL FOLDS____
(PERHAPS INCREASING PERMEABILITY TO ALLOW URANIUM BEARING SOLUTIONS TO
PASS THROUGH_____>

_____

_____>

Deposit Class C40<EPIGENETIC LIMESTONE_____> Class No. U7<230>

Comments on Geology N85<FOLDS ARE DISPLACED IN PLACES BY DIABASIC_____
DIKES AND SILLS WHICH ARE YOUNGER THAN THE PRIMARY URANIUM MINERALS__>

_____

_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

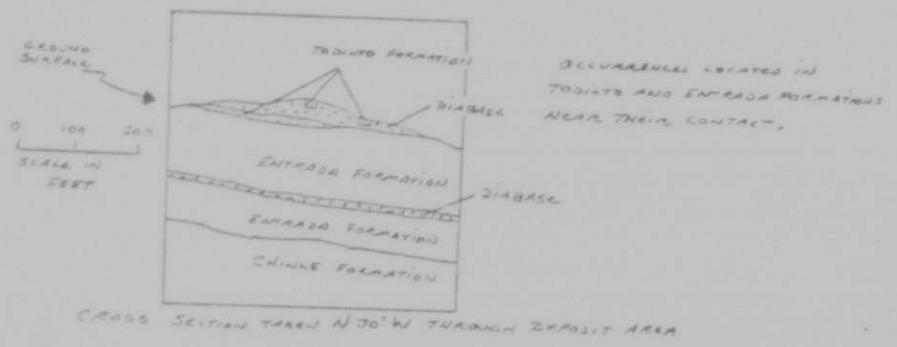
Quad Name SOCORRO

Deposit No. 2

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



CROSS SECTION TAKEN N 30° W THROUGH DEPOSIT AREA

References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603---------->

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F2<----------

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F3<----------

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F4<----------

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URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 2

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO_____>

Quad Scale A100< 250000>

Deposit No. B40< 3>

Deposit Name A10<UNNAMED DEPOSIT_____>

Synonym Name(s) A11<SOUTH LAGUNA MINES_____>

District or Area A30<LAGUNA DISTRICT_____>

Country A40<US> US State NEW MEXICO_____

State Code A50<35> 35 County A60<VALENCIA_____>

Position from Prominent Locality A82<3.5 MILES SOUTHWEST OF LAGUNA,___

NEW MEXICO, 5.3 MILES N 20 W OF DOUGH MOUNTAIN_____>

Field Checked G1<7901> By G2<HANNIGAN, BRIAN J._____>
YrMo Last Name First Initial

Latitude A70<34-59-10N> Longitude A80<107-20-50W>
Dg Mn Sc Dg Mn Sc

Township A77<009N> Range A78<005W> Section A79<27>
N/S E/W

Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN_> Altitude A107<5950 FT___>

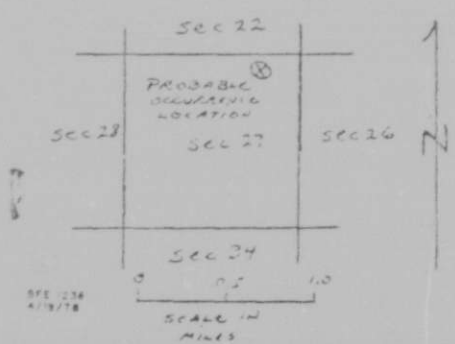
Quad Scale A91<24000 > Quad Name A92<DOUGH MOUNTAIN_____>

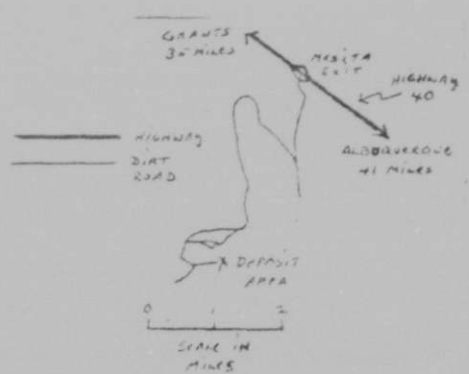
Physiographic Province A63<11 COLORADO PLATEAU_____>
(List K)

Location Comments A83<OCCURRENCE COULD NOT BE VISITED ON 1/9/79 AS____

ACCESS WAS DENIED BY THE GOVERNOR OF THE LAGUNA INDIAN RESERVATION___>

Location Sketch Map:





URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 3_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<1>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U3O8>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U3O8>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 3

Deposit Form/Shape M10< STRATIFORM>

Length M40<> FT/M M41<>

Width M50<> M51<>

Thickness M60<> M61<>

Strike M70<>

Dip M80<>

Size M15 (circle letter)

lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<PLATFORM>

Major Regional Structures N5<DEPOSIT LOCATED ON THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU>

Local Structures N70<INTRAFORMATIONAL FOLDS WITH AMPLITUDES AS GREAT AS 15 FT ARE PRESENT IN DEPOSIT AREA>

Host-Fm. Name U1<TODILTO LIMESTONE> Member U2<>

Host Rock K1<JUR (Age) LIMESTONE, FINE GRAINED, DENSE, LIGHT GREY TO DARK BROWN GREY, BLEACHED IN PLACES, SUBORDINATE CALCAREOUS SILTSTONE AND SANDSTONE LENSES, INTRAFORMATIONAL FOLDS PRESENT IN DEPOSIT AREA.> (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<RESTRICTED MARINE EMBAYMENT, SALINE LK. CR (Sed. dep. environ., metamorphic facies, ign. environ.) MIXED MARINE BAY LACUSTRINE>

Comments on Associated Rocks U4<>

Ore Minerals U30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 3

Alteration N75<BLEACHING

Reductants U5<

Analytical Data (General) C43<

Radiometric Data (General) U6<
(No. times background and dimensions)

Ore Controls K5<LITHOLOGIC, CHEMICAL, AND STRUCTURAL AS DEPOSIT IS
STRATIFORM, EPIGENETIC, AND ASSOCIATED WITH INTRAFORMATIONAL FOLDS
(PERHAPS INCREASING PERMEABILITY TO ALLOW URANIUM BEARING SOLUTIONS TO
PASS THROUGH)

Deposit Class C40<EPIGENETIC LIMESTONE> Class No. U7<230>

Comments on Geology N85<FOLDS ARE DISPLACED IN PLACES BY DIABASIC
DIKES AND SILLS WHICH ARE YOUNGER THAN THE PRIMARY URANIUM MINERALS>

URANIUM-OCCURRENCE

REPORT

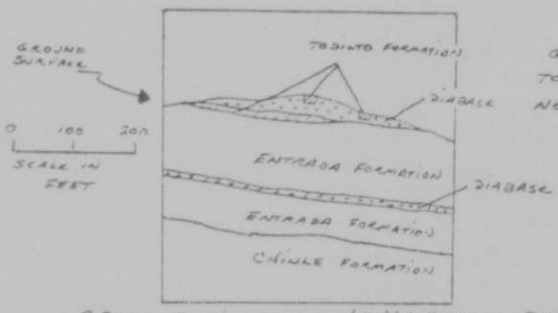
Quad Name SOCORRO

Deposit No. 3

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



CROSS SECTION TAKEN N 30° W THROUGH DEPOSIT AREA

References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603>

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 3

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 4>

Deposit Name A10<BALO MINING COMPANY>

Synonym Name(s) A11<>

District or Area A30<LAGUNA DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<VALENCIA>

Position from Prominent Locality A82<4.7 MILES, N 71 E OF ACOMA PUEBLO, NEW MEXICO>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-55-05N> (Dg Mn Sc) Longitude A80<107-30-10W> (Dg Mn Sc)

Township A77<008N> (N/S) Range A78<006W> (E/W) Section A79<18>

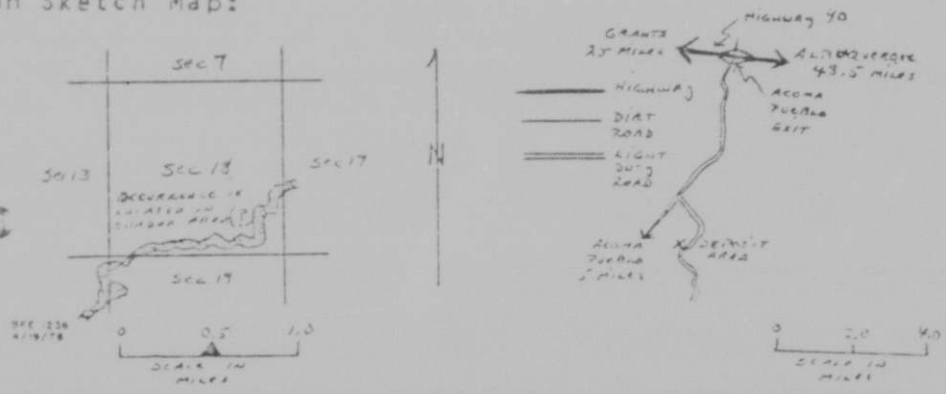
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6170 FT>

Quad Scale A91< 24000> Quad Name A92<ACOMA PUEBLO>

Physiographic Province A63<11 COLORADO PLATEAU> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE VISITED ON 01/09/79, AS ACCESS WAS DENIED BY THE GOVERNOR OF THE LAGUNA INDIAN RESERVATION>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 4_____

Commodities Present:
C10<U_____>

Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<1>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<AS OF 1954 THE OPERATOR__

PLANNED TO DO PRIVATE DRILLING IN THE NEAR FUTURE_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<THE MINERALIZED ZONE EXTENDS SPORADICALLY

ALONG ONE MILE OF THE FACE OF A CLIFF AND ALONG THE DRAINAGE LEADING>*

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 4

Deposit Form/Shape M10< STRATIFORM>

Length M40<> FT/M M41<> Size M15 (circle letter)

Width M50<> M51<> lb U308

Thickness M60<> M61<> A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Strike M70<N 60 E>

Dip M80<10W>

Tectonic Setting N15<PLATFORM>

Major Regional Structures N5<DEPOSIT IS LOCATED ON THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU, JUST WEST OF THE RIO GRANDE TROUGH>

Local Structures N70<DIKES AND SILLS IN LOCAL AREA INTRAFORMATIONAL FOLDS IN AREA BUT APPARENTLY NOT AT THIS DEPOSIT>

Host-FM. Name U1<TODILTO LIMESTONE> Member U2<>

Host Rock K1<JUR (Age) LIMESTONE, FINE GRAINED, DENSE, LIGHT GREY TO DARK BROWN GREY, BLEACHED IN PLACES, SUBORDINATE CALCAREOUS SILTSTONE AND SANDSTONE LENSES> (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<RESTRICTED MARINE EMBAYMENT, SALINE LK. OR MIXED MARINE BAY-LACUSTRINE> (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<>

Ore Minerals C30<URANINITE, TYUYAMUNITE>

Gangue Minerals K4<>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 4

Alteration N75<BLEACHING>

Reductants U5<>

Analytical Data (General) C43<>

Radiometric Data (General) U6<>
(No. times background and dimensions)

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND EPIGENETIC>

Deposit Class C40<EPIGENETIC LIMESTONE> Class No. U7<230>

Comments on Geology N85<FOLDS IN AREA ARE DISPLACED IN PLACES BY DIABASIC DIKES AND SILLS WHICH ARE YOUNGER THAN PRIMARY URANIUM MINERALS>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 4

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1<ATOMIC ENERGY COMMISSION, PRELIMINARY RECONNAISSANCE REPORT:

ED:R-383, OPEN-FILED>

>

F2<

>

F3<

>

F4<

>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 4

Continuation from p. 1-5

Label

M22C<TO IT>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 5>

Deposit Name A10<PAISANO MINE>

Synonym Name(s) A11<BALO MINING COMPANY>

District or Area A30<LAGUNA DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<VALENCIA>

Position from Prominent Locality A82<3.9 MILES N 21 E OF PETOCH BUTTE, 2.2 MILES S 55 DEG. W OF SOUTH BUTTE>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-55-20N> (Dg Mn Sc) Longitude A80<107-28-28W> (Dg Mn Sc)

Township A77<008N> (N/S) Range A78<006W> (E/W) Section A79<16>

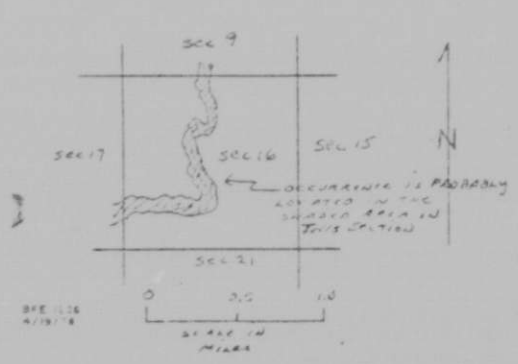
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6200 FT>

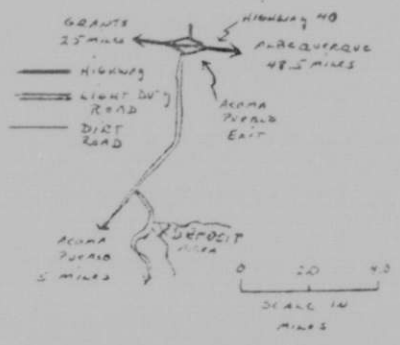
Quad Scale A91< 24000> Quad Name A92<SOUTH BUTTE>

Physiographic Province A63<11 COLORADO PLATEAU> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE VISITED ON 01/09/79, AS ACCESS WAS DENIED BY THE GOVERNOR OF THE LAGUNA INDIAN RESERVATION>

Location Sketch Map:





URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 5_____

Commodities Present:
C10<U_____>

Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<4>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<ORE MINED FROM OPEN PIT__
IN 1957_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<OPEN PIT, THE MINERALIZED ZONE EXTENDS___
SPORADICALLY ALONG THE FACE OF A CLIFF AND ALONG THE DRAINAGE_____>*

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UACC> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<USGS PROFESSIONAL PAPER 603_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 5

Deposit Form/Shape M10< STRATIFORM >

Length M40<_____> FT/M M41<__>

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<N 60 E >

Dip M80<10 W >

Size M15 (circle letter) lb U3O8

-A- 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<PLATFORM >

Major Regional Structures N5<DEPOSIT IS LOCATED ON THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU, JUST WEST OF THE RIO GRANDE TROUGH>

Local Structures N70<THE ALAMO SPRINGS SYNCLINE RUNS THROUGH THE DEPOSIT AREA. INTRAFORMATIONAL FOLDS, DIKES, AND SILLS OCCUR IN>*

Host-FM. Name U1<TODILTO LIMESTONE> Member U2<>

Host Rock K1<JUR (Age) LIMESTONE, FINE GRAINED, DENSE, LIGHT GREY TO DARK BROWN GREY IN COLOR, BLEACHED IN PLACES, SUBORDINATE CALCAREOUS SILTSTONE AND SANDSTONE LENSES> (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<RESTRICTED MARINE EMBAYMENT, SALINE LK. OR MIXED MARINE BAY-LACUSTRINE> (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<>

Ore Minerals C30<URANINITE, TYUYAMUNITE>

Gangue Minerals K4<>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 5

Alteration N75<BLEACHING>

Reductants U5<>

Analytical Data (General) C43<>

Radiometric Data (General) U6<>
(No. times background and dimensions)

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND EPIGENETIC>

Deposit Class C40<EPIGENETIC LIMESTONE> Class No. U7<230>

Comments on Geology N85<FOLDS IN AREA ARE DISPLACED IN PLACES BY DIABASIC DIKES AND SILLS WHICH ARE YOUNGER THAN PRIMARY URANIUM MINERALS>

URANIUM-OCCURRENCE

REPORT

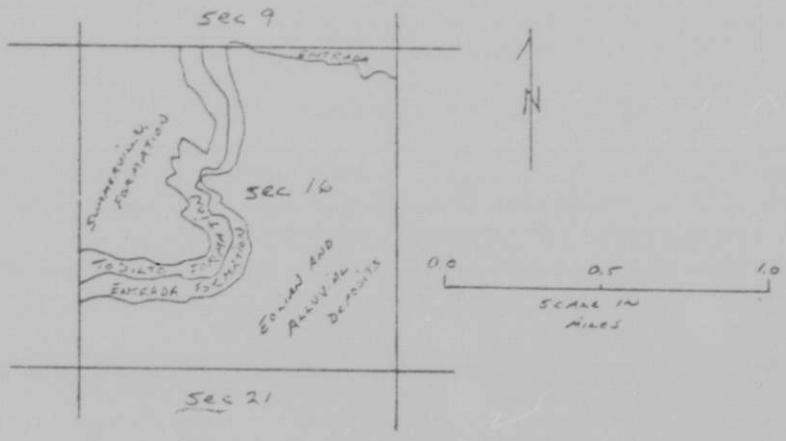
Quad Name SOCORRO

Deposit No. 5

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<ATOMIC ENERGY COMMISSION, PRELIMINARY RECONNAISSANCE REPORT ED:____

R-286, OPEN-FILED_____>

_____>

F2<HILPERT, L.S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO,_

GEOLOGICAL SURVEY PROFESSIONAL PAPER 603_____>

_____>

F3<_____

_____

_____>

F4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 5_____

Continuation from p. 1-5

Label

M220<LEADING TO IT_____>

N70<LOCAL AREA BUT APPARENTLY NOT AT THIS DEPOSIT_____>

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 6>

Deposit Name A10<CRACK POT MINE>

Synonym Name(s) A11<ANACONDA CO.>

District or Area A30<LAGUNA DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<VALENCIA>

Position from Prominent Locality A82<2.8 MILES, S 80 E OF SOUTH BUTTE>

Field Checked G1<7901> By G2<HANNIGAN, BRIAN J.>
YrMo Last Name First Initial

Latitude A70<34-56-20N> Longitude A80<107-23-36W>
Dg Mn Sc Dg Mn Sc

Township A77<008N> Range A78<005W> Section A79< 8>
N/S E/W

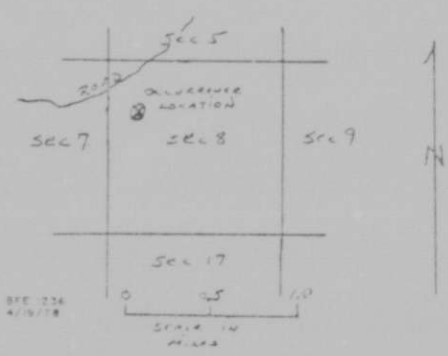
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6300 FT>

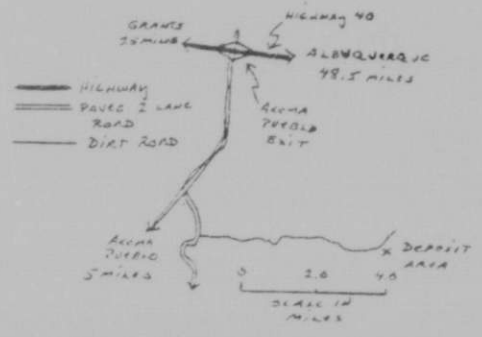
Quad Scale A91< 24000> Quad Name A92<SOUTH BUTTE>

Physiographic Province A63<11 COLORADO PLATEAU>
(List K)

Location Comments A83<OCCURRENCE COULD NOT BE VISITED ON 01/09/79, AS ACCESS WAS DENIED BY THE GOVERNOR OF THE LAGUNA INDIAN RESERVATION>

Location Sketch Map:





URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 6_____

Commodities Present:
C10<U___V_____>

Commodities Produced:
MAJOR<U___V_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<4>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<THE DEPOSIT WAS_____
SUPPOSEDLY MINED OUT BY AUGUST 1955_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<SMALL OPEN PIT OPERATION_____
_____>

Cumulative Uranium Production PROD (YES / NO) SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UACC> G7A< 8> G7B<LB> G7C<_____> G7D<0.1 ____% U308>

Source of Information D9<USGS PROFESSIONAL PAPER 519_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 6

Deposit Form/Shape M10< STRATIFORM >

				FT/M	
Length	M40<	110>	M41<FT>		Size M15 (circle letter)
Width	M50<	60>	M51<FT>		lb U308
Thickness	M60<	11>	M61<FT>		-A- 0-20,000
					B 20,000-200,000
Strike	M70<	>			C 200,000-2,000,000
					D 2million - 20million
Dip	M80<	>			E More than 20million

Tectonic Setting N15<PLATFORM>

Major Regional Structures N5<THE DEPOSIT LIES ON THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU JUST WEST OF THE RIO GRANDE TROUGH>

Local Structures N70<AN ELONGATE DOMELIKE FOLD WHICH HAS A CLOSURE OF ABOUT 3-5 FOOT ON UNDERLYING ENTRADA SANDSTONE CONTACT, TRENDS>*

Host-FM. Name U1<TODILTO LIMESTONE> Member U2<>

Host Rock K1<JUR (Age) LIMESTONE, FINE GRAINED, DENSE, LIGHT GREY TO DARK BROWN GREY IN COLOR, BLEACHED IN PLACES, SUBORDINATE CALCAREOUS SILTSTONE AND SANDSTONE LENSES> (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<RESTRICTED MARINE EMBAYMENT, SALINE LK. OR MIXED MARINE BAY-LACUSTRINE> (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<>

Ore Minerals C30<URANINITE, TYUYAMUNITE>

Gangue Minerals K4<>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 6

Alteration N75<BLEACHING>

Reductants U5<>

Analytical Data (General) C43<>

Radiometric Data (General) U6<>
(No. times background and dimensions)

Ore Controls K5<LITHOLOGIC, CHEMICAL, AND STRUCTURAL AS DEPOSIT IS STRATIFORM, EPIGENETIC, AND ASSOCIATED WITH INTRAFORMATIONAL FOLDS (PERHAPS INCREASING PERMEABILITY TO ALLOW URANIUM BEARING SOLUTIONS TO PASS THROUGH)>

Deposit Class C40<EPIGENETIC LIMESTONE> Class No. U7<230>

Comments on Geology N85<FOLDS IN THE LOCAL AREA ARE DISPLACED IN PLACES BY DIABASIC DIKES AND SILLS WHICH ARE YOUNGER THAN THE PRIMARY URANIUM MINERALS>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 6

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1<MOENCH, R.H., AND SCHLEE, J.S., 1967, GEOLOGY AND URANIUM DEPOSITS OF THE LAGUNA DISTRICT, NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 519>

F2<HILPERT, L.S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603>

>

F3<

>

F4<

>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 6_____

Continuation from p. 1-5

Label

N70<NORTHWESTWARD AND IS CONSTITUTED IN PART BY SEVERAL MINOR FOLDS__

THAT RADIATE FROM THE CENTRAL PART OF THE DOME_____>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 7>

Deposit Name A10<SONORA 1-4 CLAIMS>

Synonym Name(s) A11<WINDY CLAIMS>

District or Area A30<LAGUNA DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<VALENCIA>

Position from Prominent Locality A82<THE NORTH EAST CORNER OF THE CLAIMS AND THE NORTH EAST CORNER OF SECTION 12 COINCIDE>

Field Checked G1<7907> (YrMo) By G2<WENRICH-VERBEEK, KAREN J.> (Last Name, First, Initial)

Latitude A70<34-51-20N> (Dg Mn Sc) Longitude A80<107-18-30W> (Dg Mn Sc)

Township A77<007N> (N/S) Range A78<005W> (E/W) Section A79<12>

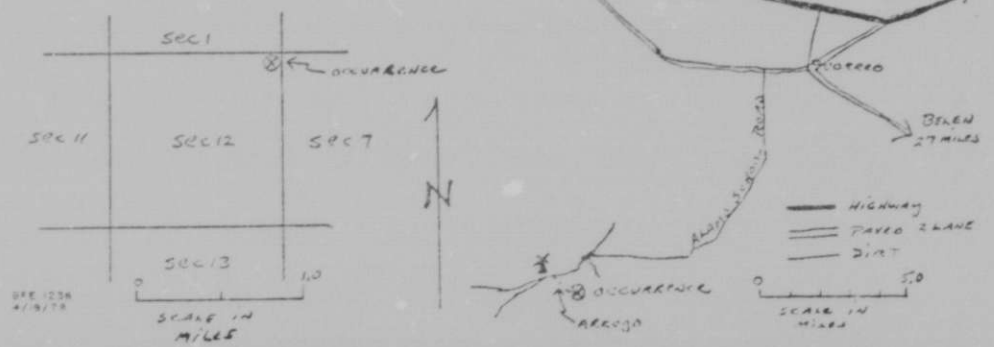
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5880 FT>

Quad Scale A91<24000 > Quad Name A92<CERRO VERDE>

Physiographic Province A63<11 COLORADO PLATEAU> (List K)

Location Comments A83<

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 7_____

Commodities Present:
C10<U___PB_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<2>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<THE 1979 ASSESSMENT WORK_
HAS BEEN DONE ON A CLAIM FOUND IN THE AREA_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<ONE PROSPECT PIT WAS FOUND IN AREA._____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 7_____

Deposit Form/Shape M10< FRACTURE COATINGS (?)_____>

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U308
Thickness	M60<_____>	M61<__>	A 0-20,000
			B 20,000-200,000
Strike	M70<_____>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<_____>		E More than 20million

Tectonic Setting N15<PLATFORM_____

_____>

Major Regional Structures N5<THE DEPOSIT LIES ON THE SOUTHEASTERN EDGE

OF THE COLORADO PLATEAU_____>

Local Structures N70<ANDESITE AND RHYOLITE FLOWS, INTRUSIVE GRANITE___

_____>

Host-FM. Name U1<CHINLE_____> Member U2<_____>

Host Rock K1<PER SKARN, LIMESTONE AND SHALE. LIMESTONE IS GREY,
(Age) (Rock type, texture, composition,
IMPURE, NODULAR, AND APPARENTLY ALTERED. SHALE IS DARK GREY TO RED___
color, alteration, attitude, geometry, structure, etc.)
AND APPROACHES SLATE IN LOCAL AREAS_____>

Host-Rock Environment U3<_____
(Sed. dep. environ., metamorphic facies,
_____>
ign. environ.)

Comments on
Associated Rocks U4<SHALE IN CONTACT WITH INTRUSIVES IS ALTERED FROM__

RED TO GREY; WIDESPREAD PRESENCE OF LEAD, COPPER, SILVER(?) AND_____

NICKEL(?) IN LIMESTONE VEINLETS, IN VUGS, IN FRACTURE COATINGS AND__>*

Ore Minerals C30<CARNOTITE(?), LEAD, COPPER, SILVER(?), NICKEL(?)_____

_____

_____>

Gangue Minerals K4<GARNET, EPIDOTE, SPECULAR HEMATITE_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 7_____

Alteration N75<BLEACHING, METASOMATISM_____

Reductants U5<_____

Analytical Data (General) C43<_____

Radiometric Data (General) U6<BACKGROUND = 50 CPS. 3 TIMES BACKGROUND
(No. times background and dimensions)
WAS RECORDED IN DEPOSIT AREA_____>

Ore Controls K5<MATASOMATIC DEPOSITS LIMITED TO CONTACTS OF GRANITE___

AND LIMESTONE/CARBONATE UNIT IN SHALE_____>

Deposit Class C40<CONTACT-METASOMATIC_____> Class No. U7<340>

Comments on Geology N85<_____

URANIUM-OCCURRENCE REPORT

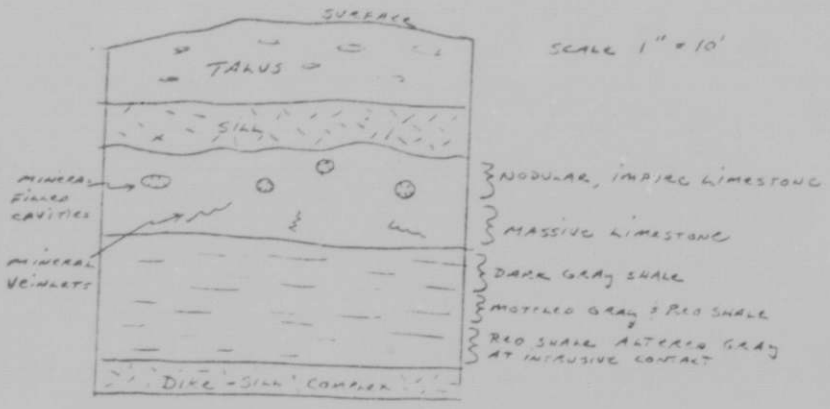
Quad Name SOCORRO

Deposit No. 7

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 005	hornfels	1.51 ppm U
MDQ 006	garnet-epidote skarn	10.10 ppm U
MDQ 007	metamorphosed limestone	4.89 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO_
GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.>

F2<AEC PRELIMINARY RECONNAISSANCE REPORT ED:R-392 OPEN-FILED.>

F3<>

F4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 7_____

Continuation from p. 1-5

Label

U4<IN CONCRETIONS._____>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO_____>

Quad Scale A100< 250000>

Deposit No. B40< 8>

Deposit Name A10<BROWNLOW-HEATH PROSPECT_____>

Synonym Name(s) A11<_____

District or Area A30<LAGUNA DISTRICT_____>

Country A40<US> US State NEW MEXICO_____

State Code A50<35> 35 County A60<VALENCIA_____>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 1.5 MILES N 55 DEG. E OF CERRO VERDE_____>

_____

_____>

Field Checked G1<7907> By G2<HANNIGAN, BRIAN J._____>
YrMo Last Name First Initial

Latitude A70<34-46-50N> Longitude A80<107-15-40W>
Dg Mn Sc Dg Mn Sc

Township A77<006N> Range A78<004W> Section A79< 4>
N/S E/W

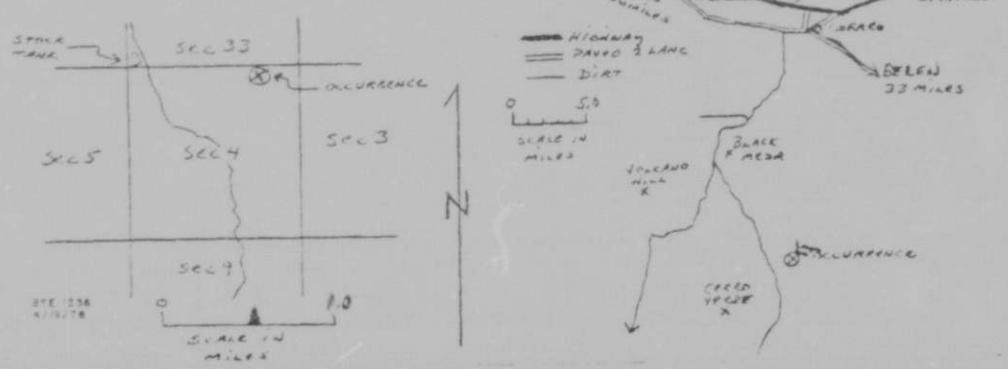
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN_> Altitude A107<6230 FT___>

Quad Scale A91<24000 > Quad Name A92<CERRO VERDE_____>

Physiographic Province A63<11 COLORADO PLATEAU_____>
(List K)

Location Comments A83<THE DEPOSIT IS REACHED BY WALKING EAST 0.7 MILES ALONG THE SECTION LINE BETWEEN SECTION 4 AND 33 FROM THE STOCK POND___ WHICH LIES JUST NORTH OF THE SECTION LINE ON THE DIRT ROAD WHICH____>*

Location Sketch Map:



URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 8_____

Commodities Present:
C10<U_____>

Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<2>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<3 PROSPECT PITS_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 8

Deposit Form/Shape M10< STRATIFORM >

Length M40<_____> M41<__> FT/M

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<N 12 W >

Dip M80<6 DEG SW >

Size M15 (circle letter) lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E more than 20million

Tectonic Setting N15<PLATFORM >

Major Regional Structures N5<DEPOSIT LIES ON THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU >

Local Structures N70<AREA AROUND DEPOSIT IS FAULTED AND CUT BY TERTIARY INTRUSIVES >

Host-FM. Name U1<CHINLE > Member U2<SHINARUMP(?) >

Host Rock K1<TRI (Age) SANDSTONE MEDIUM TO COARSE GRAINED CONSISTING MAINLY OF QUARTZ AND ROCK FRAGMENT WITH QUARTZ PEBBLES UP TO 1 INCH IN DIAMETER. SOME CONGLOMERATE LENSES PRESENT. SANDSTONE IS LIGHT >* (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<FLUVIAL > (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<_____>

Ore Minerals C30<_____>

Gangue Minerals K4<_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 8

Alteration N75<CONGLOMERATE LAYERS BLEACHED IN PLACES

Reductants U5<

Analytical Data (General) C43<

Radiometric Data (General) U6<BACKGROUND = 100 CPS. 250 CPS IS FOUND IN DEPOSIT AREA, 20' X 40' = 900 CPS, MAXIMUM IS 1700 ON MINED BOULDERS.
(No. times background and dimensions)

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND EPIGENETIC

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

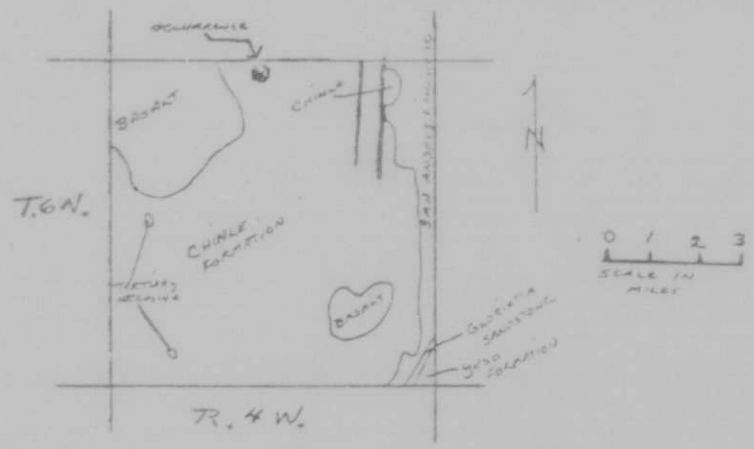
Quad Name SOCORRO

Deposit No. 8

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 146	Sandstone	241.0 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.>

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 8

Continuation from p. 1-5

Label

A83<SKIRTS CERRO VERDE ON THE EAST.>

K1<BROWN.>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 9>

Deposit Name A10<UNNAMED DEPOSIT>

Synonym Name(s) A11<>

District or Area A30<RED BASIN AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<CATRON>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 1.7 MILES N 5 E OF MCPHAUL RANCH>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-25-05N> (Dg Mn Sc) Longitude A80<107-57-25W> (Dg Mn Sc)

Township A77<002N> (N/S) Range A78<011W> (E/W) Section A79<11>

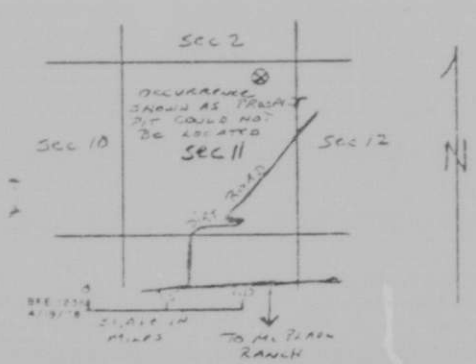
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<7740 FT>

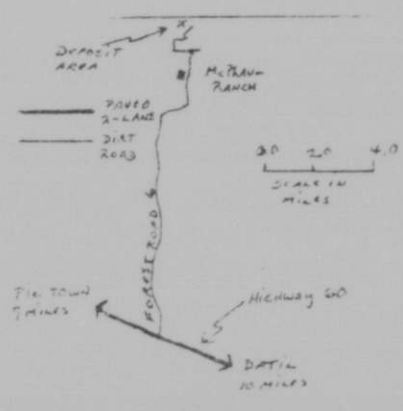
Quad Scale A91<24000 > Quad Name A92<THIRD CANYON>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 01/79>

Location Sketch Map:





URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 9_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<2>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UACC> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 9

Deposit Form/Shape M10< STRATIFORM >

			FT/M
Length	M40< >	M41< >
Width	M50< >	M51< >
Thickness	M60< >	M61< >
Strike	M70<S 80 E >		
Dip	M80<4 S >		

Size M15 (circle letter)

lb U3O8

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT >

Major Regional Structures N5<DEPOSIT IS LOCATED JUST SOUTH OF THE SOUTHERN EDGE OF THE COLORADO PLATEAU, NORTHWEST OF THE DATIL >*

Local Structures N70< >

Host-FM. Name U1<CREVASSE CANYON > Member U2< >

Host Rock K1<CRET (Age) SANDSTONE, MEDIUM GRAINED, CONSISTING MAINLY OF QUARTZ, SOME FELDSPARS AND ROCK FRAGMENTS, CARBONIZED FOSSIL LOGS AND THIN LENSES OF CARBONACEOUS SHALE ARE PRESENT IN AREA. (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.) >

Host-Rock Environment U3<MARINE (Sed. dep. environ., metamorphic facies, ign. environ.) >

Comments on Associated Rocks U4< >

Ore Minerals C30< >

Gangue Minerals K4< >

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 9

Alteration N75<

Reductants U5<CARBONACEOUS TRASH IS PRESENT IN THE FORM OF FOSSIL LOGS>

Analytical Data (General) C43<GRAB SAMPLE OF CARBONACEOUS SHALE 0.33% U, GRAB SAMPLE OF SANDSTONE 0.06% U>

Radiometric Data (General) U6<
(No. times background and dimensions)

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND EPIGENETIC>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

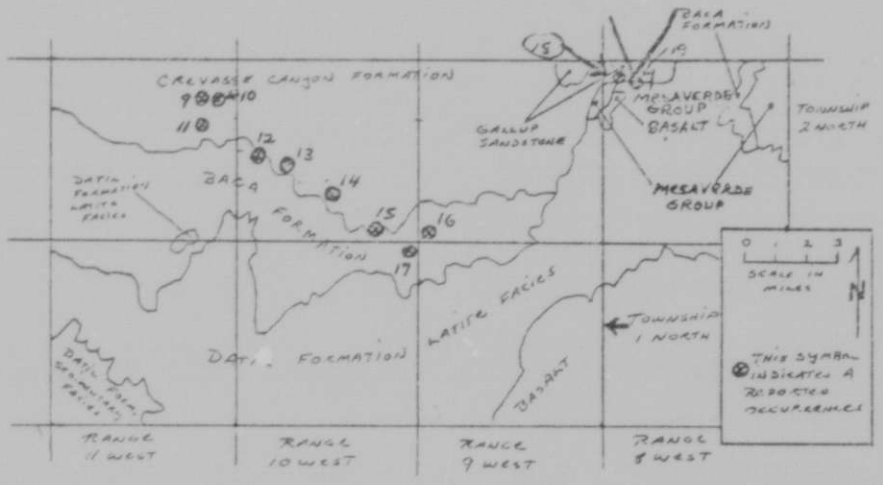
Quad Name SOCORRO_____

Deposit No. 9_____

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.---------->

F2<----------

F3<----------

F4<----------

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 9

Continuation from p. 1-5

Label

N5<MOUNTAINS>

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 10>

Deposit Name A10<MIDNIGHT #2 MINE>

Synonym Name(s) A11<>

District or Area A30<RED BASIN AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<CATRON>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 1.6 MILES N 12.5 E OF THE MCPHAUL RANCH>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-25-00N> (Dg Mn Sc) Longitude A80<107-57-05W> (Dg Mn Sc)

Township A77<002N> (N/S) Range A78<011W> (E/W) Section A79<12>

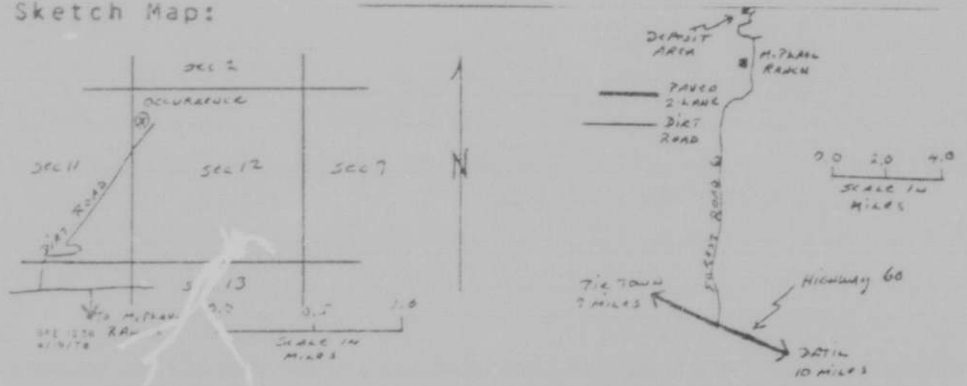
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<7740 FT>

Quad Scale A91<24000 > Quad Name A92<THIRD CANYON>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 10_____

Commodities Present:
C10<U___V_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<4>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<MINED IN 1957_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<1 OPEN PIT_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UACC> G7A< 0> G7B<LB> G7C<_____> G7D<0.12 ____% U308>

Source of Information D9<HARLEN HOLEN D.O.E._____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 10

Deposit Form/Shape M10< STRATIFORM >

Length M40<_____> M41<__> FT/M

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<S 80 E >

Dip M80<4 S >

Size M15 (circle letter)

lb U308

-A- 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<PLATFORM >

Major Regional Structures N5<DEPOSIT IS LOCATED JUST SOUTH OF THE SOUTHERN EDGE OF THE COLORADO PLATEAU >

Local Structures N70< >

Host-Fm. Name U1<CREVASSE CANYON> Member U2< >

Host Rock K1<CRET (Age) SANDSTONE MEDIUM GRAINED CONSISTS MAINLY OF QUARTZ, SOME FELDSPARS AND ROCK FRAGMENTS. GREEN-GREY TO ORANGE IN COLOR, ALSO CONTAINS CLAY CLASTS AND CARBONACEOUS TRASH >
(Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<MARGINAL MARINE >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4< >

Ore Minerals C30< >

Gangue Minerals K4< >

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 10

Alteration N75<BLEACHING

Reductants U5<CARBONACEOUS TRASH

Analytical Data (General) C43<U:V RATIO ABOUT 1:2

Radiometric Data (General) U6<BACKGROUND=50 C.P.S. 200 X BACKGROUND
(No. times background and dimensions)
OVER 1 METER SQUARED WHERE YELLOW MINERALIZATION IS PRESENT>

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND
EPIGENETIC>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

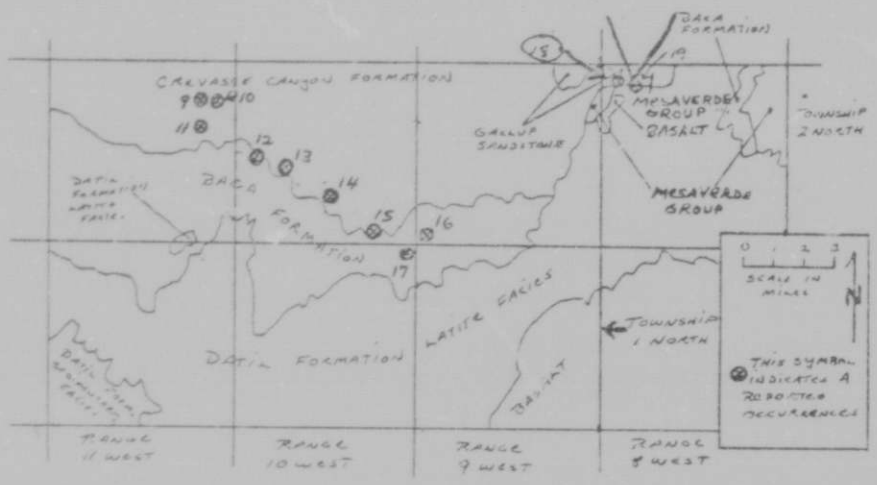
Quad Name SOCORRO

Deposit No. 10

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO_

GEOLOGICAL SURVEY PROFESSIONAL PAPER 603_____>

_____>

F2<_____

_____

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F3<_____

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F4<_____

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URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 10_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 11>

Deposit Name A10<MCPHAUL ADIT>

Synonym Name(s) A11<>

District or Area A30<RED BASIN AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<CATRON>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 0.6 MILES N 22 E OF MCPHAUL RANCH>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-24-07N> (Dg Mn Sc) Longitude A80<107-57-15W> (Dg Mn Sc)

Township A77<002N> (N/S) Range A78<011W> (E/W) Section A79<14>

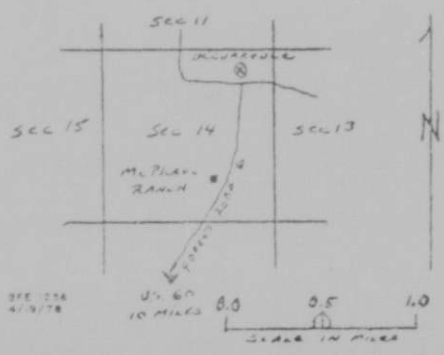
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<7500 FT>

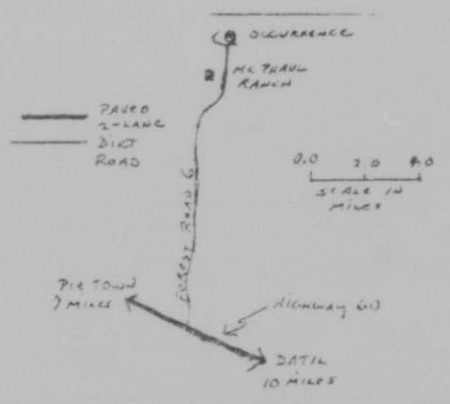
Quad Scale A91<24000 > Quad Name A92<THIRD CANYON>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<>

Location Sketch Map:





URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 11_____

Commodities Present:
C10<U_____>

Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____>

_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____>

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of workings M220<1 ADIT AT LEAST 30 M_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U3O8>

Source of Information D9<_____

_____>

Production Comments D10<_____

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U3O8>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 11_____

Deposit Form/Shape M10< STRATIFORM_____>

FT/M

Length M40<_____> M41<__>

Width M50<_____> M51<__>

Thickness M60< .05> M61<M >

Strike M70<S 80 E_____>

Dip M80<4 S_____>

Size M15 (circle letter)

lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<PLATFORM_____

_____>

Major Regional Structures N5<DEPOSIT IS LOCATED JUST SOUTH OF THE_____

SOUTHERN EDGE OF THE COLORADO PLATEAU_____>

Local Structures N70<DEPOSIT LIES NEAR THE AXIS OF A SHALLOW SYNCLINE_

_____>

Host-FM. Name U1<CREVASSE CANYON_____> Member U2<_____>

Host Rock K1<CRET SANDSTONE MEDIUM GRAINED CONSISTS MAINLY OF___
(Age) (Rock type, texture, composition,
QUARTZ, SOME FELDSPARS, ROCK FRAGMENTS, FAIRLY WELL INDURATED, BUFF IN
color, alteration, attitude, geometry, structure, etc.)
COLOR, SUBANGULAR, FAIRLY WELL SORTED TABULAR PLANER CROSSBEDS WITH_>*

Host-Rock Environment U3<MARINAL MARINE_____
(Sed. dep. environ., metamorphic facies,

_____>
ign. environ.)

Comments on
Associated Rocks U4<_____

_____

_____>

Ore Minerals C30<_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 11

Alteration N75<BLEACHING

Reductants U5<CARBONACEOUS TRASH

Analytical Data (General) C43<SAMPLE 0.04% U

Radiometric Data (General) U6<BACKGROUND=50 C.P.S. BUFF SANDSTONE 3 X
(No. times background and dimensions)
BACKGROUND, 10 X BACKGROUND NEAR MUDSTONE LAYER, 8 X BACKGROUND NEAR
IRON NODULES>

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND
EPIGENETIC>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 11

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 128	silt-mudstone	20.8 ppm U
MDQ 129	green sandstone	18.4 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO_
GEOLOGICAL SURVEY PROFESSIONAL PAPER 603_____>
_____>
F2<AEC PRELIMINARY RECONNAISSANCE REPORT F 1129, OPEN FILED_____
_____
_____>
F3<_____
_____
_____>
F4<_____
_____
_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 11_____

Continuation from p. 1-5

Label

K1<HORIZONTAL LAYERS OF SHALE-MUD STONE, THESE LAYERS ARE RED IN____ COLOR AND CONTAIN CARBONACEOUS TRASH AND YELLOW URANIUM MINERALIZATION IN PLACES. THE UNDERLYING SANDSTONE IS GREENISH GREY. SMALL (1-3____ INCHES IN DIAMETER) IRON NODULES ARE PRESENT IN THE SANDSTONE._____>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 12>

Deposit Name A10<TIETZEN - RED BASIN CLAIMS>

Synonym Name(s) A11<UNNAMED DEPOSIT>

District or Area A30<RED BASIN AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<CATRON>

Position from Prominent Locality A82<DEPOSITS ARE LOCATED 1.7 MILES S 78 E OF MCPHAUL RANCH>

Field Checked G1<7901> By G2<HAMMOND, DAVID J.>
YrMo Last Name First Initial

Latitude A70<34-23-20N> Longitude A80<107-55-40W>
Dg Mn Sc Dg Mn Sc

Township A77<002N> Range A78<010W> Section A79<19>
N/S E/W

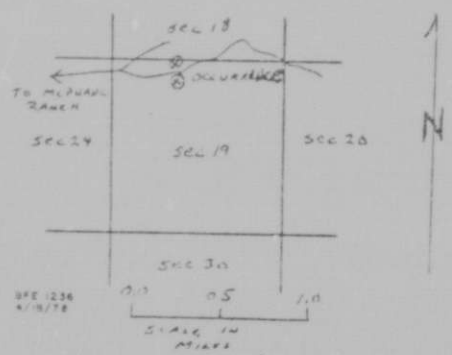
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<7440 FT>

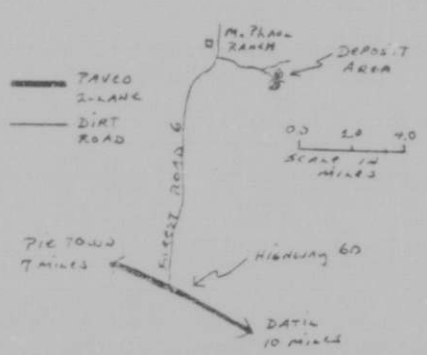
Quad Scale A91<24000 > Quad Name A92<THIRD CANYON>

Physiographic Province A63<12 BASIN AND RANGE>
(List K)

Location Comments A83<>

Location Sketch Map:





URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 12_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<2>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<ONE BULLDOZED OPEN CUT ABOUT 200 M LONG__

ON THE SOUTH SIDE OF FOREST ROAD 6, ONE SHORT ADIT NORTH OF THE ROAD_>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UACC> G7A< 0> G7B<LB> G7C<_____> G7D<0.20 ____% U308>

Source of Information D9<HARLEN HOLEN D.O.E._____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 12_____

Deposit Form/Shape M10< STRATIFORM_____>

Length M40<_____> M41<__> FT/M

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<S 80 E_____>

Dip M80<4 S_____>

Size M15 (circle letter)

lb U3O8

-A- 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<PLATFORM_____

_____>

Major Regional Structures N5<DEPOSIT IS LOCATED SOUTH OF THE_____

SOUTHEASTERN EDGE OF THE COLORADO PLATEAU_____>

Local Structures N70<_____

_____>

Host-FM. Name U1<BACA_____> Member U2<_____>

Host Rock K1<TERT (Age) SANDSTONE FINE TO MEDIUM GRAINED BUFF IN_____
(Rock type, texture, composition,
COLOR, CONSISTS OF QUARTZ, SOME FELDSPAR AND ROCK FRAGMENTS,_____
color, alteration, attitude, geometry, structure, etc.)
SUBROUNDED, TABULAR PLANER TROUGH CROSS BEDDING, POORLY CEMENTED.____>

Host-Rock Environment U3<FLUVIAL ENVIRONMENT_____
(Sed. dep. environ., metamorphic facies,

_____>
ign. environ.)

Comments on
Associated Rocks U4<_____

_____

_____>

Ore Minerals C30<_____

_____

_____>

Gangue Minerals K4<GOETHITE_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 12

Alteration N75<BLEACHING

Reductants U5<CARBONACEOUS TRASH

Analytical Data (General) C43<GRAB SAMPLE 0.022% U

Radiometric Data (General) U6<BACKGROUND = 50 100 X BACKGROUND OVER 1
(No. times background and dimensions)
M SQUARE AREA OF RED BROWN SHALE - MUDSTONE.

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND
EPIGENETIC

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 12

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 132	reddish-brown mudstone	541.0 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RRA 1136 OPEN FILED

F2<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO

GEOLOGICAL SURVEY PROFESSIONAL PAPER 603

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 12

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 13>

Deposit Name A10<RED BASIN #2 DEPOSIT>

Synonym Name(s) A11<UNNAMED DEPOSIT>

District or Area A30<RED BASIN AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<CATRON>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 2.8 MILES SOUTH 74 DEGREES EAST OF THE MCPHAUL RANCH>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-23-00N> (Dg Mn Sc) Longitude A80<107-54-30W> (Dg Mn Sc)

Township A77<002N> (N/S) Range A78<010W> (E/W) Section A79<20>

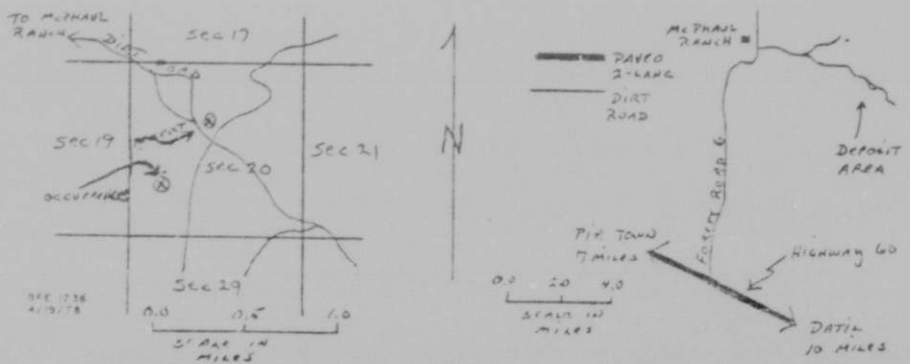
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<7500 FT>

Quad Scale A91<24000 > Quad Name A92<THIRD CANYON>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 13_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<1 OPEN CUT ALONG A HILLSIDE ACCORDING TO_

THE REFERENCE THE AREA HAS BEEN DRILLED_____>

Cumulative Uranium Production PROD YES NO SMI MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 13_____

Deposit Form/Shape M10< STRATIFORM_____>

		FT/M		
Length	M40<_____>	M41<__>	Size M15 (circle letter)	
Width	M50<_____>	M51<M >		lb U3O8
Thickness	M60< .05>	M61<__>	A	0-20,000
			B	20,000-200,000
Strike	M70<S 80 E_____>		C	200,000-2,000,000
			D	2million - 20million
Dip	M80<4 S_____>		E	More than 20million

Tectonic Setting N15<PLATFORM_____

_____>

Major Regional Structures N5<DEPOSIT IS LOCATED SOUTH OF THE_____

SOUTHEASTERN EDGE OF THE COLORADO PLATEAU_____>

Local Structures N70<_____

_____>

Host-FM. Name U1<CREVASSE CANYON_____> Member U2<_____>

Host Rock K1<CRET SANDSTONE MEDIUM GRAINED CONSISTS MAINLY OF___
(Age) (Rock type, texture, composition,
QUARTZ, SOME FELDSPARS AND ROCK FRAGMENTS, FAIRLY WELL INDURATED, BUFF
color, alteration, attitude, geometry, structure, etc.)
IN COLOR, SUBANGULAR, TABULAR PLANER CROSS BEDS PRESENT, THIN(1-6___>*

Host-Rock Environment U3<MARGINAL MARINE_____
(Sed. dep. environ., metamorphic facies,

_____>
ign. environ.)

Comments on
Associated Rocks U4<_____

_____

_____>

Ore Minerals C3O<_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 13_____

Alteration N75<BLEACHING_____

Reductants U5<CARBONACEOUS TRASH_____

Analytical Data (General) C43<SAMPLE CUTTINGS 0.40% U SAMPLE CUTTINGS_

0.12% U_____

Radiometric Data (General) U6<BACKGROUND = 50 C.P.S. 40 X BACKGROUND__

(No. times background and dimensions)

OVER 0.1 M THICKNESS_____

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__

EPIGENETIC_____

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

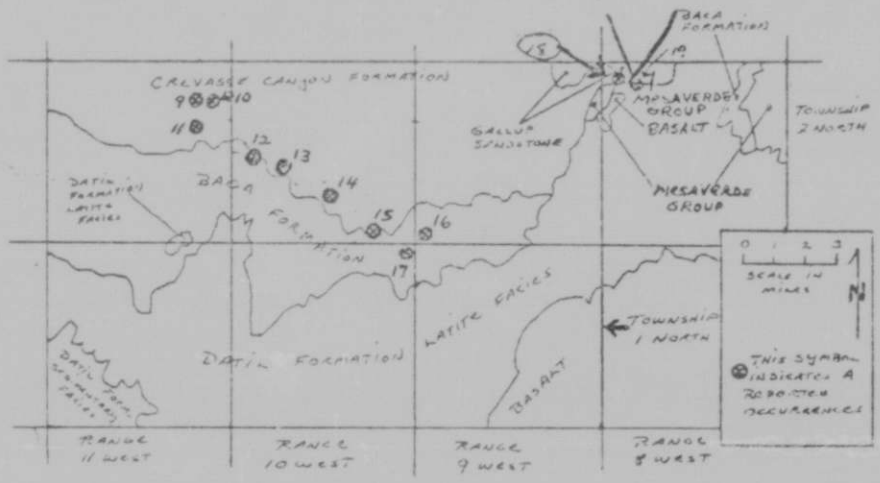
Quad Name SOCORRO

Deposit No. 13

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO_
GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.>

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 13_____

Continuation from p. 1-5

Label

K1<INCHES) BEDS OF MUDSTONE WHICH ARE RED-BROWN OVERLIE GREEN-GREY__ SANDSTONE IN PLACES. 1-3 INCH IRON STAINED NODULES ARE PRESENT IN THE AREA._____>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 14>

Deposit Name A10<UNNAMED>

Synonym Name(s) A11<OX SPRING PLACER(?)>

District or Area A30<RED BASIN AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<CATRON>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 5 MILES N 6 E OF MADRE MOUNTAIN>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-22-15N> (Dg Mn Sc) Longitude A80<107-52-50W> (Dg Mn Sc)

Township A77<002N> (N/S) Range A78<010W> (E/W) Section A79<27>

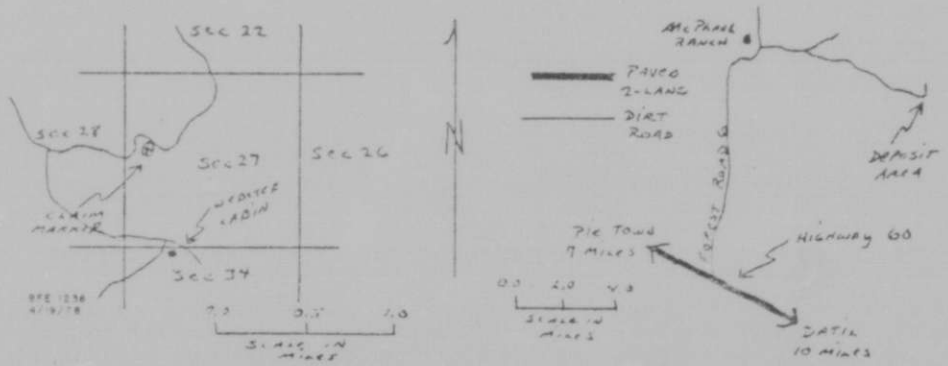
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<7400 FT>

Quad Scale A91<24000 > Quad Name A92<MADRE MOUNTAIN>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<CLAIM MARKER SAYS, "OX SPRING PLACER 150 ACRES W.M. MOORE ET AL, 337 MORAN ST., RENO NEVADA 1/8/79.>

Location Sketch Map:



URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 14_____

Commodities Present:
C10<U_____>

Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<AREA HAS BEEN DRILLED____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<AREA HAS BEEN DRILLED, A FEW BULLDOZER___
PITS HAVE BEEN DUG IN THE AREA_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 14

Deposit Form/Shape M10< STRATIFORM >

Length M40<_____> M41<__> FT/M

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<S 80 E >

Dip M80<4 S >

Size M15 (circle letter) lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<PLATFORM >

Major Regional Structures N5<DEPOSIT IS LOCATED JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU >

Local Structures N70< >

Host-FM. Name U1<CREVASSE CANYON> Member U2< >

Host Rock K1<CRET (Age) SANDSTONE, MEDIUM GRAINED, CONSISTING OF (Rock type, texture, composition, GUARTZ, SOME FELD- SPAR AND ROCK FRAGMENTS GREY GREEN IN COLOR, color, alteration, attitude, geometry, structure, etc.) TABULAR PLANER CROSS BEDDING, DISCONTINOUS BEDS OF MUDSTONE, IRON >*

Host-Rock Environment U3<MARGINAL MARINE (Sed. dep. environ., metamorphic facies, ign. environ.) >

Comments on Associated Rocks U4< >

Ore Minerals C30< >

Gangue Minerals K4< >

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 14_____

Alteration N75<BLEACHING_____

Reductants U5<CARBONACEOUS TRASH_____

Analytical Data (General) C43<GRAB SAMPLE 0.14% U, GRAB SAMPLE 0.026%_

U_____

Radiometric Data (General) U6<BACKGROUND = 50 2 X BACKGROUND IN_____

(No. times background and dimensions)

DEPOSIT AREA_____

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__

EPIGENETIC_____

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 14

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603>

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 14

Continuation from p. 1-5

Label

K1<STAINED NODULES>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 15>

Deposit Name A10<UNNAMED DEPOSIT>

Synonym Name(s) A11<>

District or Area A30<RED BASIN AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<CATRON>

Position from Prominent Locality A82<DEPOSIT AREA LIES 3.5 MILES S 82 DEG W OF THE 7570 FT SUMMIT ON CAL SHIP MESA>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-21-15N> (Dg Mn Sc) Longitude A80<107-51-00W> (Dg Mn Sc)

Township A77<002N> (N/S) Range A78<010W> (E/W) Section A79<35>

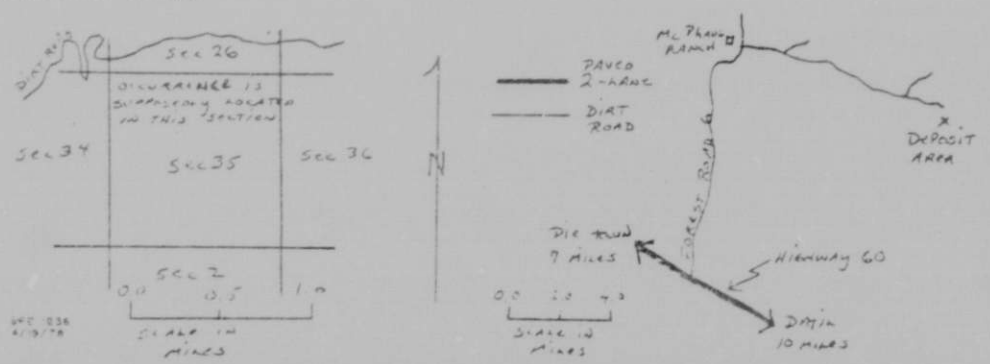
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<7500 FT>

Quad Scale A91<24000 > Quad Name A92<CAL SHIP MESA>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 01/79>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 15_____

Commodities Present:
C10<U_____>

Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<1>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<SECTION 35 HAS BEEN_____

DRILLED IN PLACES_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 15

Deposit Form/Shape M10< STRATIFORM >

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U3O8
Thickness	M60<_____>	M61<__>	A 0-20,000 B 20,000-200,000 C 200,000-2,000,000 D 2million - 20million E More than 20million
Strike	M70<S 80 DEG E_____>		
Dip	M80<5 DEG S_____>		

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT LIES JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU>

Local Structures N70<SOME SHALLOW SYNCLINES ARE PRESENT IN THE REGION>

Host-FM. Name U1<CREVASSE CANYON> Member U2<>

Host Rock K1<CRET (Age) SANDSTONE, MEDIUM GRAINED CONSISTING MAINLY OF (Rock type, texture, composition, QUARTZ, SOME FELDSPARS AND ROCK FRAGMENTS, CARBONIZED FOSSIL LOGS AND color, alteration, attitude, geometry, structure, etc.) THIN LENSES OF CARBONACEOUS SHALE ARE PRESENT IN THE AREA.>

Host-Rock Environment U3<MARGINAL MARINE (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 15

Alteration N75<

Reductants U5<

Analytical Data (General) C43<SAMPLE 0.05% EU

Radiometric Data (General) U6<
(No. times background and dimensions)

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND EPIGENETIC>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

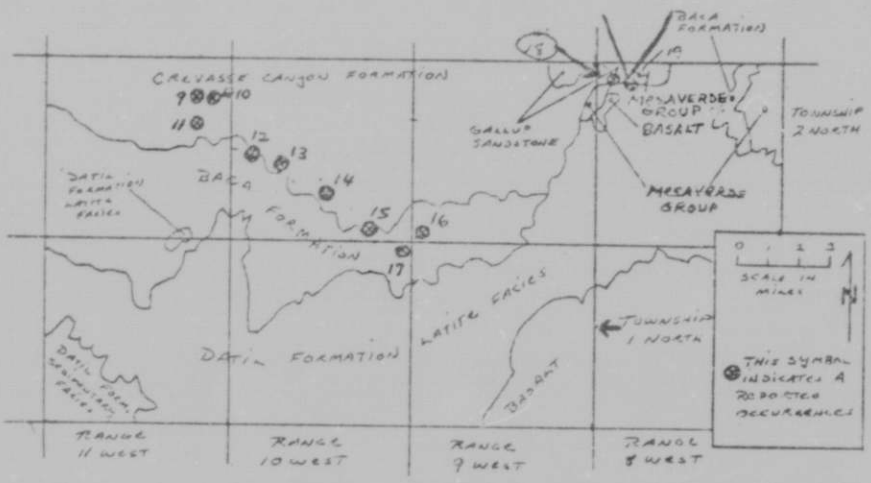
Quad Name SOCORRO

Deposit No. 15

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603>

F2<>

F3<>

F4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 15

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 16>

Deposit Name A10<DRAG A RANCH OCCURRENCE>

Synonym Name(s) A11<>

District or Area A30<RED BASIN AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<CATRON>

Position from Prominent Locality A82<DEPOSIT AREA IS LOCATED 1.5 MILES S 72 DEG W OF THE 7570' SUMMIT ON CAL SHIP MESA>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-21-10N> (Dg Mn Sc) Longitude A80<107-49-15W> (Dg Mn Sc)

Township A77<002N> (N/S) Range A78<009W> (E/W) Section A79<31>

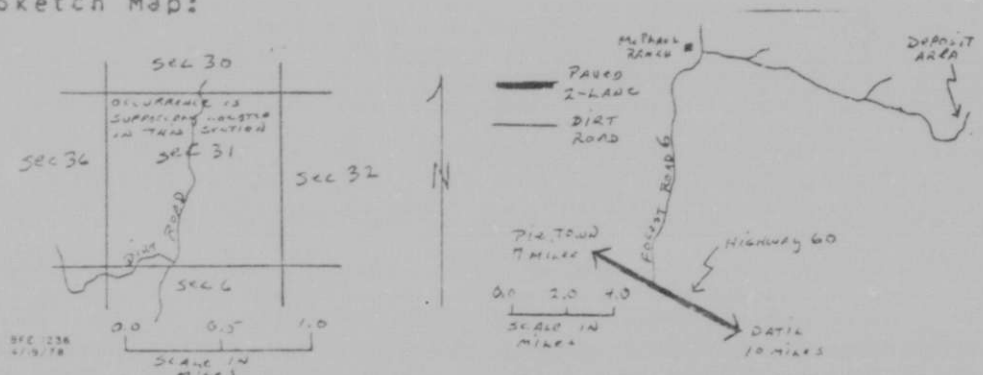
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<7300 FT>

Quad Scale A91<24000 > Quad Name A92<CAL SHIP MESA>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED 01/79>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 16_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<1>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<SECTION 31 HAS BEEN_____
DRILLED IN PLACES_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 16

Deposit Form/Shape M10< STRATIFORM >

Length M40<_____> M41<__> FT/M

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<S 80 DEG E_____>

Dip M80<4 DEG S_____>

Size M15 (circle letter) lb U3O8

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT LIES JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU>

Local Structures N7O<SOME SHALLOW SYNCLINES ARE PRESENT IN THE REGION>

Host-FM. Name U1<BACA> Member U2<>

Host Rock K1<TERT (Age) SANDSTONE MEDIUM GRAINED CONSISTING MAINLY OF QUARTZ, SOME FELDSPARS AND ROCK FRAGMENTS, CARBONACEOUS TRASH PRESENT AND ALSO THIN LENSES OF CARBONACEOUS SHALE IN REGION.> (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<FLUVIAL (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C3O<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 16

Alteration N7S<

>

Reductants U5<

>

Analytical Data (General) C43<GRAB SAMPLE IN LOWER 3 INCHES OF BED

0.026% U>

>

Radiometric Data (General) U6<
(No. times background and dimensions)

>

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND

EPIGENETIC>

>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N8S<

>

URANIUM-OCCURRENCE

REPORT

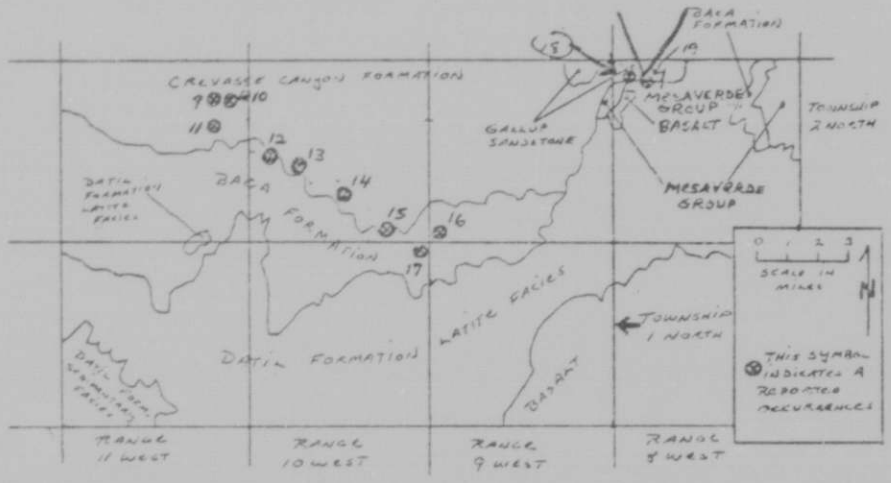
Quad Name SOCORRO

Deposit No. 16

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.

F2<AEC PRELIMINARY RECONNAISSANCE REPORT F-1102 OPEN FILED

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 16

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 17>

Deposit Name A10<SOUTHWEST MINERALS AREA>

Synonym Name(s) A11<>

District or Area A30<RED BASIN AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<CATRON>

Position from Prominent Locality A82<DEPOSIT AREA IS LOCATED 1 MILE SOUTH OF WHITE MESA TANK>

Field Checked G1<7910> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-20-25N> (Dg Mn Sc) Longitude A80<107-50-20W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<010W> (E/W) Section A79< 1>

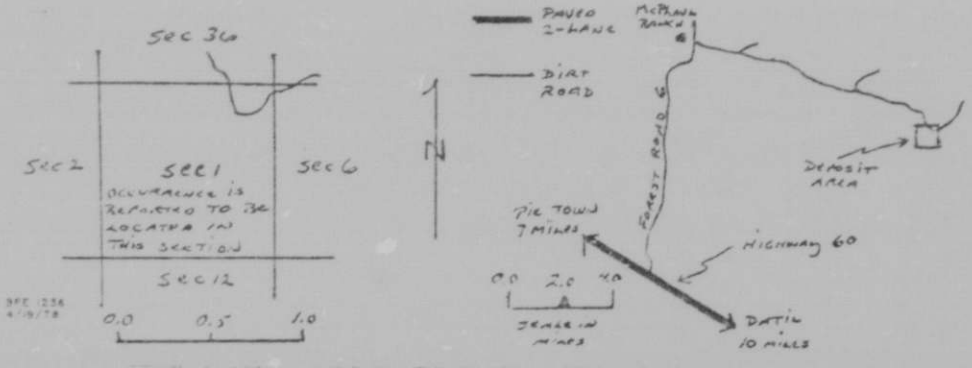
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<7500 FT>

Quad Scale A91< 24000> Quad Name A92<CAL SHIP MESA>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 10/05/79>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 17_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<SOME BULLDOZING AND SHALLOW DRILLING_____

REPORTED_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 17

Deposit Form/Shape M10< STRATIFORM >

Length M40<_____> M41<__> FT/M

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<S 80 E>

Dip M80<4 S>

Size M15 (circle letter)

lb U3O8

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT LIES JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU>

Local Structures N70<SOME SHALLOW SYNCLINES ARE PRESENT IN THE REGION.>

Host-FM. Name U1<BACA FORMATION> Member U2<>

Host Rock K1<TERT (Age) SANDSTONE MEDIUM GRAINED CONSISTING MAINLY OF QUARTZ WITH SOME FELDSPAR AND ROCK FRAGMENTS; CARBONACEOUS TRASH PRESENT (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)>

Host-Rock Environment U3<FLUVIAL (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 17_____

Alteration N75<_____

_____

_____>

Reductants U5<CARBONACEOUS TRASH_____

_____

_____>

Analytical Data (General) C43<_____

_____

_____

_____>

Radiometric Data (General) U6<_____

(No. times background and dimensions)

_____

_____

_____>

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__

EPIGENETIC_____>

_____

_____

_____

_____>

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

_____

_____

_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

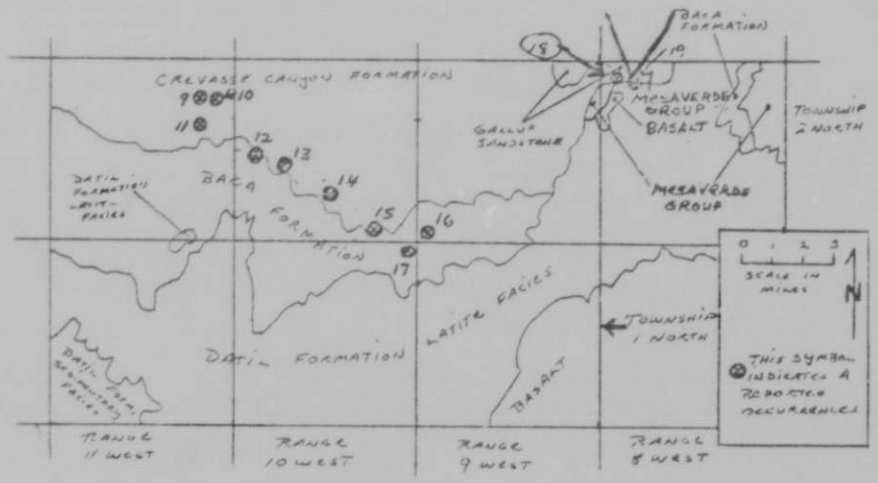
Quad Name SOCORRO

Deposit No. 17

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<DBO-4-TM-6

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 17_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 18>

Deposit Name A10<RAYBORN PROSPECT>

Synonym Name(s) A11<>

District or Area A30<DATIL MOUNTAINS>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 1.6 MILES N 35.5 DEG E OF BLUE MESA IN THE DATIL MOUNTAINS>

Field Checked G1<7901> (YrMo) By G2<HAMMOND, DAVID J.> (Last Name, First, Initial)

Latitude A70<34-25-20N> (Dg Mn Sc) Longitude A80<107-42-37W> (Dg Mn Sc)

Township A77<002N> (N/S) Range A78<008W> (E/W) Section A79< 6>

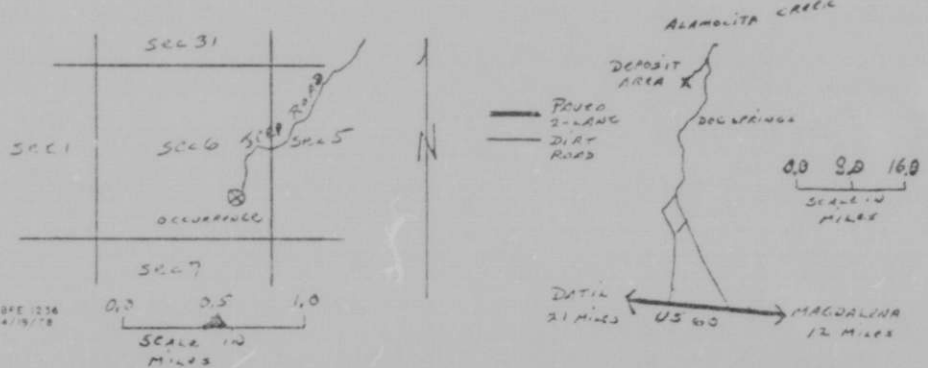
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<7550 FT>

Quad Scale A91<24000 > Quad Name A92<D-CROSS MOUNTAIN>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<REFERENCE STATES LOCATION IS IN THE NORTH 1/2 OF SECTION SIX, WE BELIEVE IT TO BE IN THE SOUTH 1/2, SECTION 6>

Location Sketch Map:



URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 18_____

Commodities Present:
C10<U_____>

Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<2>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<1 OPEN CUT ON THE NORTH SIDE OF BLUE MESA

APPROXIMATELY 100 METERS IN LENGTH_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 18

Deposit Form/Shape M10< STRATIFORM >

			FT/M	
Length	M40<	>	M41<__>	Size M15 (circle letter)
Width	M50<	>	M51<__>	lb U3O8
Thickness	M60<	>	M61<__>	A 0-20,000
				B 20,000-200,000
Strike	M70<N 70 DEG W	>		C 200,000-2,000,000
				D 2million - 20million
Dip	M80<22 DEG S	>		E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT IS LOCATED JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU>

Local Structures N70<DEPOSIT IS LOCATED WITHIN THE DATIL MOUNTAINS>

Host-FM. Name U1<GALLUP SANDSTONE> Member U2<>

Host Rock K1<CRET (Age) SANDSTONE, FINE GRAINED, LIMONITE STAINED WITH INTERBEDS OF SHALE (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)>

Host-Rock Environment U3<MARGINAL MARINE (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C3O<TYUYAMUNITE>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 18_____

Alteration N75<LIMONITIZATION_____

Reductants U5<CARBONACEOUS MATERIAL_____

Analytical Data (General) C43<_____

Radiometric Data (General) U6<BACKGROUND = 50 CPS. 3 X BACKGROUND____
(No. times background and dimensions)

OVER OPEN CUT_____

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__

EPIGENETIC_____

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

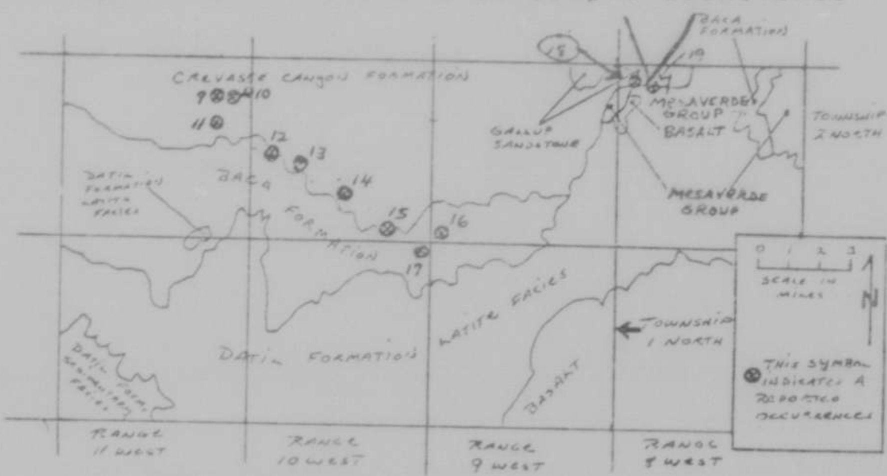
Quad Name SOCORRO

Deposit No. 18

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFFESSIONAL PAPER 603.>

F2< >

F3< >

F4< >

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 18_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 19>

Deposit Name A10<BLUE MESA #1>

Synonym Name(s) A11<>

District or Area A30<DATIL MOUNTAINS>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT AREA IS LOCATED N 67 E OF THE SUMMIT OF BLUE MESA>

Field Checked G1<7910> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-24-50N> (Dg Mn Sc) Longitude A80<107-42-00W> (Dg Mn Sc)

Township A77<002N> (N/S) Range A78<008W> (E/W) Section A79< 8>

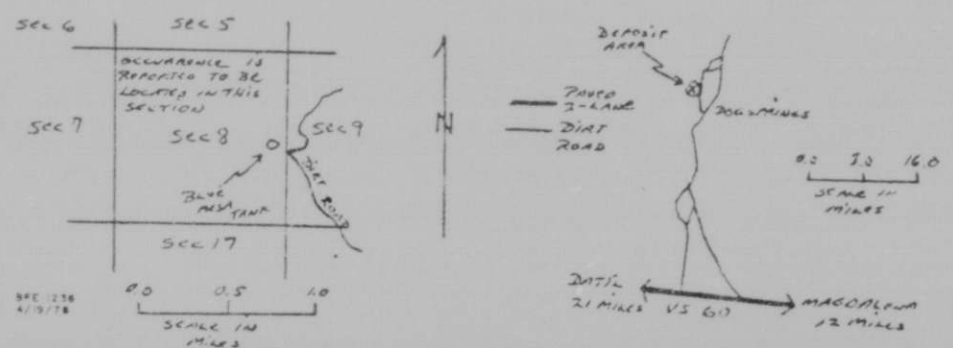
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<7600 FT>

Quad Scale A91< 24000> Quad Name A92<D-CROSS MOUNTAIN>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 10/05/79>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 19_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 19

Deposit Form/Shape M10< STRATIFORM >

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U308
Thickness	M60<_____>	M61<__>	A 0-20,000
			B 20,000-200,000
Strike	M70<_____>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<_____>		E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT IS LOCATED JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU>

Local Structures N70<DEPOSIT IS LOCATED WITHIN THE DATIL MOUNTAINS>

Host-FM. Name U1<BACA FORMATION> Member U2<>

Host Rock K1<TERT (Age) SANDSTONE LIMONITE STAINING AND CARBONACEOUS (Rock type, texture, composition, TRASH PRESENT, DEPOSIT IS VERY CLOSE TO THE BACA-MESA VERDE CONTACT> color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<FLUVIAL (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 19

Alteration N75<LIMONITIZATION

Reductants U5<ABUNDANT CARBONACEOUS TRASH

Analytical Data (General) C43<

Radiometric Data (General) U6<
(No. times background and dimensions)

Ore Controls K5<PROBABLY LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND EPIGENETIC

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

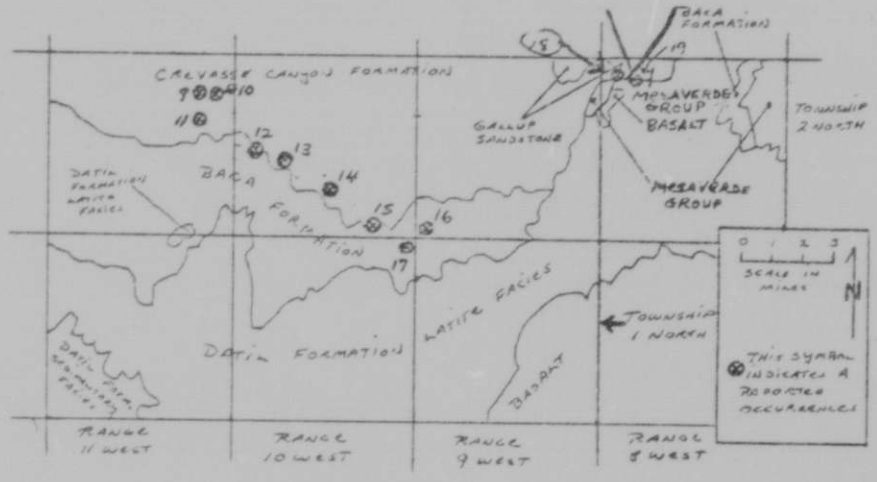
Quad Name SOCORRO

Deposit No. 19

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<ATOMIC ENERGY COMMISSION, PRELIMINARY RECONNAISSANCE REPORT

"UNNUMBERED">

>

F2<

>

F3<

>

F4<

>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 19_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 20>

Deposit Name A10<NICOLLS-HIGGINS-JONES>

Synonym Name(s) A11<>

District or Area A30<HOOK RANCH AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT AREA IS LOCATED 0.7 MILES N 32 E OF CHAVEZ RANCH>

Field Checked G1<7910> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-20-15N> (Dg Mn Sc) Longitude A80<107-26-30W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<006W> (E/W) Section A79< 2>

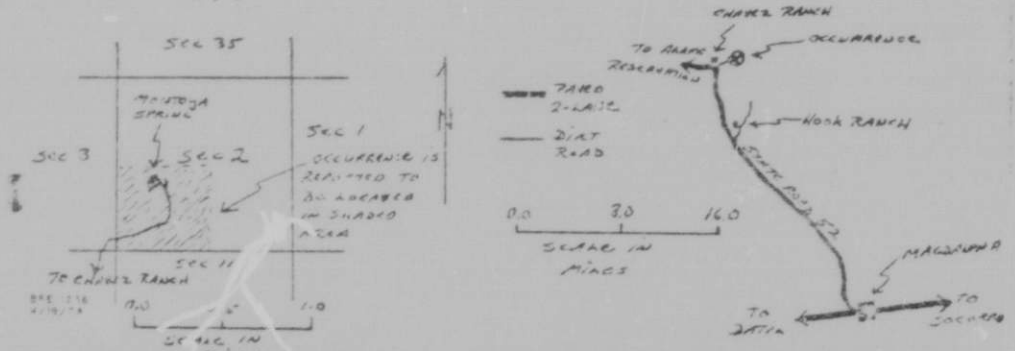
Merician A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6540 FT>

Quad Scale A91< 24000> Quad Name A92<INDIAN SPRING CANYON>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COUND NOT BE LOCATED AS ACCESS COULD NOT BE OBTAINED FROM ALAMO BAND NAVAJO TRIBE>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 20_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 20_____

Deposit Form/Shape M10< STRATIFORM_____>

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U308
Thickness	M60<_____>	M61<__>	A 0-20,000
			B 20,000-200,000
Strike	M70<_____>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<_____>		E More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<DEPOSIT AREA LIES JUST SOUTH OF THE_____

SOUTHEASTERN EDGE OF THE COLORADO PLATEAU_____>

Local Structures N70<THE REGION IS FAULTED AND CUT BY TERTIARY_____

INTRUSIVES_____>

Host-FM. Name U1<BACA_____> Member U2<_____>

Host Rock K1<TERT (Age) SANDSTONE, MEDIUM TO COARSE GRAINED, CONTAINS_ (Rock type, texture, composition,

CARBONIZED WOOD_____>
color, alteration, attitude, geometry, structure, etc.)

_____>

Host-Rock Environment U3<FLUVIAL_____
(Sed. dep. environ., metamorphic facies,

_____>
ign. environ.)

Comments on
Associated Rocks U4<_____

_____

_____>

Ore Minerals C30<_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 20_____

Alteration N75<BLEACHING_____

_____

_____>

Reductants U5<CARBONIZED WOOD_____

_____

_____>

Analytical Data (General) C43<_____

_____

_____

_____>

Radiometric Data (General) U6<_____
(No. times background and dimensions)

_____

_____

_____>

Ore Controls K5<PROBABLY LITHOLOGIC AND CHEMICAL AS DEPOSIT IS_____

STRATIFORM AND EPIGENETIC_____>

_____

_____

_____

_____>

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

_____

_____

_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

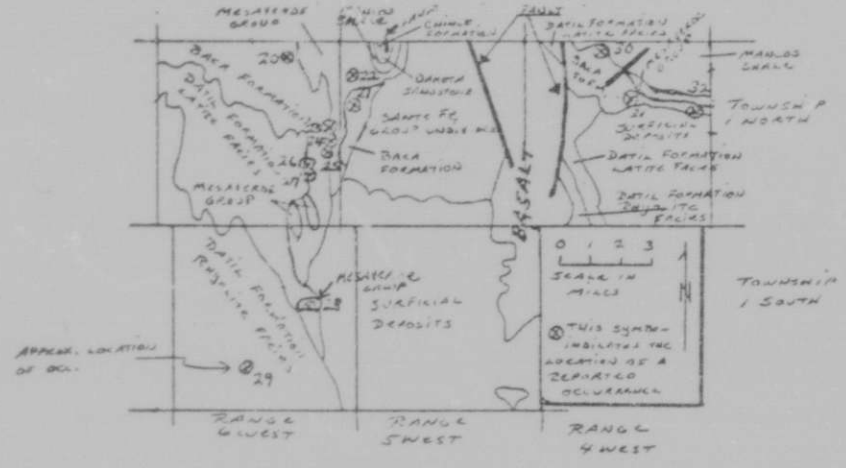
Quad Name SOCORRO

Deposit No. 20

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<ATOMIC ENERGY COMMISSION, PRELIMINARY RECONNAISSANCE REPORT,_____

ASO-53, OPEN FILE_____>

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F2<_____

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F3<_____

_____

_____>

F4<_____

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_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 20

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 21>

Deposit Name A10<HOT SHOT MINE>

Synonym Name(s) A11<HOT SPOT MINE>

District or Area A30<HOOK RANCH AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 2.5 MILES N 35 DEG E OF HOOK RANCH>

Field Checked G1<7907> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-19-00N> (Dg Mn Sc) Longitude A80<107-24-15W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<005W> (E/W) Section A79<18>

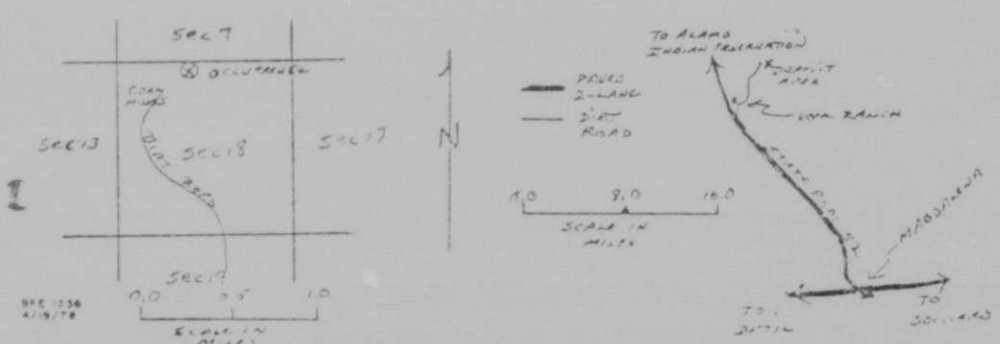
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6700 FT>

Quad Scale A91<24000 > Quad Name A92<INDIAN SPRING CANYON>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<THIS OCCURRENCE IS EAST (APPROXIMATELY 1400 FEET) AND SLIGHTLY NORTH OF THE HOT SPOT COAL ADITS>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 21_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<CLAIMS WERE STAKED IN____

FEBRUARY, 1954_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<OUTCROPS OF RADIOACTIVE LIMONITE STAINED_

CARBONACEOUS SANDSTONE, 1 SMALL (10 X 10 FT.) PROSPECT. A FEW_____>*

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 21

Deposit Form/Shape M10< STRATIFORM >

Length M40<_____> FT/M M41<__>

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<N 15 DEG E_____>

Dip M80<13 DEG SE_____>

Size M15 (circle letter) lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT LIES JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU>

Local Structures N70<THE DEPOSIT AREA IS FAULTED>

Host-FM. Name U1<SACA> Member U2<>

Host Rock K1<TERT (Age) SANDSTONE MEDIUM TO COARSE GRAINED, LIGHT ORANGE TO GREY, CONSISTS OF QUARTZ, FELDSPARS AND ROCK FRAGMENTS, (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.) CONTAINS CLAY CLASTS AND CARBONACEOUS TRASH; FAINTLY DEFINED CUT AND>*

Host-Rock Environment U3<CONTINENTAL, FLUVIAL (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 21_____

Alteration N75<BLEACHING, LIMONITIZATION_____

Reductants U5<CARBONACEOUS TRASH_____

Analytical Data (General) C43<SAMPLE 0.31% U_____

Radiometric Data (General) U6<BACKGROUND = 50 CPS. 4000 CPS OVER A___
(No. times background and dimensions)
1.5 FT X 6 FT BED, 500 CPS OVER A 6 FT X 25 FT AREA, 1000-1500 CPS____

OVER 6 INCH X 10 FT OUTCROP, 300-500 CPS ALONG A 50 M OUTCROP_____>

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__

EPIGENETIC_____>

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 21

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFFESSIONAL PAPER 603.

F2<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RRA 1406 OPEN-FILED

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 21_____

Continuation from p. 1-5

Label

M220<SCATTERED DRILL HOLES WERE FOUND IN THE AREA_____>

K1<FILL TROUGH CROSSBEDS 1 FT- 3 FT_____>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 22>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<>

District or Area A30<HOOK RANCH AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT AREA IS LOCATED 3 MILES N 30 DEG E OF HOOK RANCH>

Field Checked G1<7907> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-19-15N> (Dg Mn Sc) Longitude A80<107-24-20W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<005W> (E/W) Section A79< 7>

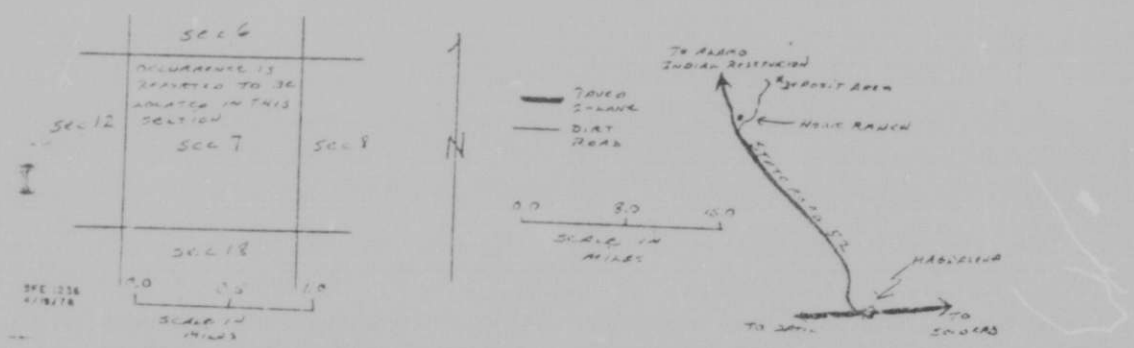
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6700 FT>

Quad Scale A91<24000 > Quad Name A92<INDIAN SPRING CANYON>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE FOUND ON 7/5/79>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 22_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 22

Deposit Form/Shape M10< STRATIFORM >

Length M40< > M41< FT/M >

Width M50< > M51< >

Thickness M60< > M61< >

Strike M70< >

Dip M80< >

Size M15 (circle letter)

lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT AREA IS LOCATED JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU AND WEST OF THE RIO GRANDE>*

Local Structures N70<AREA IS FAULTED AND CUT BY INTRUSIVES>

Host-FM. Name U1<MESA VERDE GROUP> Member U2< >

Host Rock K1<CRET (Age) SANDSTONE (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)>

Host-Rock Environment U3<MARINE (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 22

Alteration N75<

Reductants U5<

Analytical Data (General) C43<

Radiometric Data (General) U6<
(No. times background and dimensions)

Ore Controls K5<PROBABLY LITHOLOGIC AND CHEMICAL AS DEPOSITS IN THE AREA ARE STRATIFORM AND EPIGENETIC>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

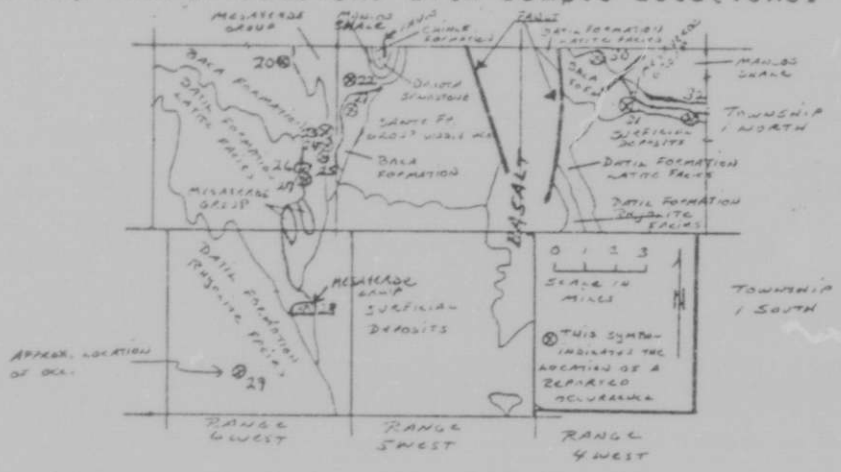
Quad Name SOCORRO

Deposit No. 22

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC RAW MATERIALS EVALUATION 1054

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 22

Continuation from p. 1-5

Label

N5<TROUGH>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 23>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<>

District or Area A30<HOOK RANCH AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 1.2 MILES N 22 DEG E OF HOOK RANCH>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-18-15N> (Dg Mn Sc) Longitude A80<107-25-15W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<006W> (E/W) Section A79<13>

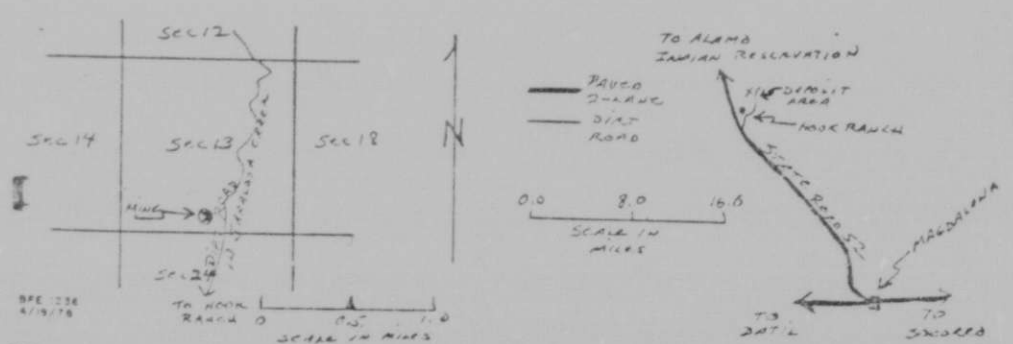
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6700 FT>

Quad Scale A91<24000 > Quad Name A92<INDIAN SPRING CANYON>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 23_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<4>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<WORKINGS ARE OPEN CUT OVER A 10000 M_____

SQUARED AREA, AREA HAS BEEN DRILLED_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 23

Deposit Form/Shape M10< STRATIFORM >

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U308
Thickness	M60<_____>	M61<__>	A 0-20,000
			B 20,000-200,000
Strike	M70<N 10 DEG W_____>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<23 DEG NE_____>		E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT IS LOCATED JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU>

Local Structures N70<AREA IS FAULTED AND CUT BY TERTIARY INTRUSIVES>

Host-FM. Name U1<BACA> Member U2<>

Host Rock K1<TERT (Age) SANDSTONE, MEDIUM GRAINED, BUFF TO GREY IN COLOR, CONSISTS OF QUARTZ AND ROCK FRAGMENTS, SOME CLAY GAULS AND CONGLOMERATE LAYERS (PEBBLES 1/2 - 6 INCHES IN DIAMETER) CALCAREOUS>*
(Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<CONTINENTAL, FLUVIAL>
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 23_____

Alteration N75<BLEACHING, LIMONITIZATION_____

Reductants U5<CARBONACEOUS TRASH IN THE FORM OF PLANT DEBRIS_____

Analytical Data (General) C43<_____

Radiometric Data (General) U6<BACKGROUND = 50 CPS. GREATER THAN 200__
(No. times background and dimensions)
TIMES BACKGROUND OVER 6 INCH BED_____>

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__
EPIGENETIC_____>

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 73

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 152	radioactive sandstone	289.0 ppm U
MDQ 153	radioactive sandstone	150.0 ppm U
MDQ 154	radioactive carbonaceous trash	884.0 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1<AEC RAW MATERIALS EVALUATION 1054

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 23_____

Continuation from p. 1-5

Label

K1<COATINGS, TAB PLANER CROSSBEDS (2 METERS IN EXTENT) CARBONACEOUS_ TRASH IN THE FORM OF PLANT DEBRIS, AND YELLOW URANIUM MINERALIZATION__ PRESENT_____>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 24>

Deposit Name A10<HOGSETT, HUST, HENDERSON CLAIMS>

Synonym Name(s) A11<AIR ANOMALIES #2 & 3, HOOK RANCH, JARALOSA>

District or Area A30<HOOK RANCH AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSII IS LOCATED 1 MILE N 20 DEG E OF HOOK RANCH>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-18-10N> (Dg Mn Sc) Longitude A80<107-25-10W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<006W> (E/W) Section A79<24>

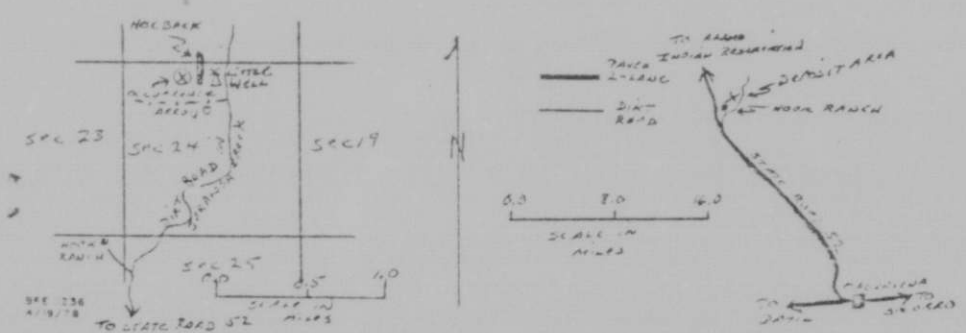
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6750 FT>

Quad Scale A91<24000 > Quad Name A92<INDIAN SPRING CANYON>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 24_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<U_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<4>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<DISCOVERED JANUARY 22,___

1954, CLAIMS STAKED JANUARY 24, 1954, SOME ORE SHIPPED 1959-1961_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<SEVERAL SHALLOW PROSPECT PITS, 1 SHORT___

ADIT SOME DRILLING APPEARS TO HAVE BEEN DONE_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UACC> G7A< 0> G7B<LB> G7C<1959-1961> G7D<0.27 ____% U308>

Source of Information D9<HARLEN HOLEN D.O.E._____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 24

Deposit Form/Shape M10< STRATIFORM >

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U308
Thickness	M60<_____>	M61<__>	-A- 0-20,000
			B 20,000-200,000
Strike	M70<N 13 DEG E_____>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<32 DEG SE_____>		E More than 20million

Tectonic Setting N15<MOBILE BELT

Major Regional Structures N5<DEPOSIT IS LOCATED JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU>

Local Structures N70<AREA IS FAIRLY EXTENSIVELY FAULTED>

Host-Fm. Name U1<BACA> Member U2<>

Host Rock K1<TERT (Age) SANDSTONE MEDIUM TO COARSE GRAINED, LIGHT ORANGE TO GREY, CONSISTS OF QUARTZ, FELDSPARS AND ROCK FRAGMENTS, CARBONACEOUS TRASH, CLAY CLASTS AND ASPHALTIC SANDSTONES ARE PRESENT>*
(Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<CONTINENTAL, FLUVIAL
(Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C30<META-AUTUNITE(?)>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 24____

Alteration N75<BLEACHING IN PLACES, LIMONITIZATION_____

Reductants U5<CARBONACEOUS TRASH, ASPHALTITE_____

Analytical Data (General) C43<SELECTED SAMPLE 1.5% U3O8_____

Radiometric Data (General) U6<BACKGROUND = 30 CPS. OVER ASPHALTIC____
(No. times background and dimensions)
POCKETS AND LAYER 4700 CPS, OVER LIMONITIC STAINED SANDSTONE 2000 CPS,
300-500 CPS OVER 50' X 500'_____

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__
EPIGENETIC_____

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

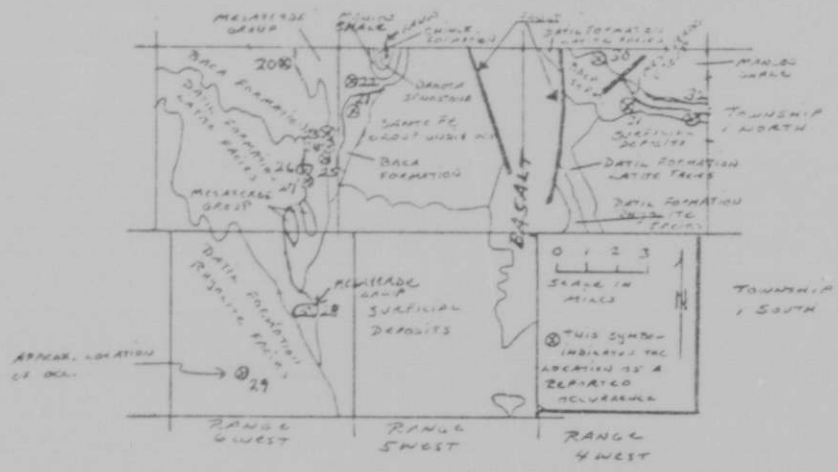
Quad Name SOCORRO

Deposit No. 24

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFFESSIONAL PAPER 603.---------->

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F2<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RRA 1176 OPEN-FILED------

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F3<----------

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F4<----------

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URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 24_____

Continuation from p. 1-5

Label

K1<IN AREA_____>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 25>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<HUST-MCDONALD-BROWN(?)>

District or Area A30<HOOK RANCH AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 0.5 MILES N 72 DEG E OF HOOK RANCH>

Field Checked G1<7901> By G2<HANNIGAN, BRIAN J.>
YrMo Last Name First Initial

Latitude A70<34-17-40N> Longitude A80<107-25-15W>
Dg Mn Sc Dg Mn Sc

Township A77<001N> Range A78<006W> Section A79<24>
N/S E/W

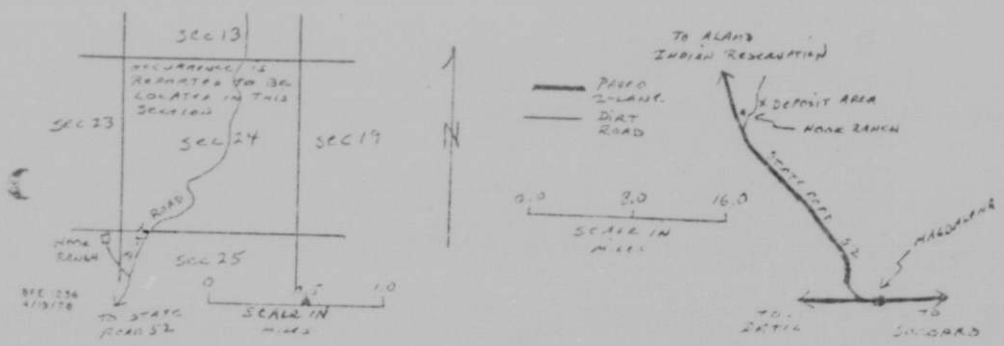
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6800 FT>

Quad Scale A91<24000 > Quad Name A92<INDIAN SPRING CANYON>

Physiographic Province A63<12 BASIN AND RANGE>
(List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 1/10/79>

Location Sketch Map:



URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 25_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<1>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<CLAIM STAKED 1/5/54_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 25_____

Deposit Form/Shape M10< STRATIFORM_____>

Length M40< S> M41<FT> (FT/M)

Width M50<_____> M51<__>

Thickness M60< 0.3> M61<FT>

Strike M70<N 20 DEG E_____>

Dip M80<10 DEG SE_____>

Size M15 (circle letter) lb U3O8

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<DEPOSIT IS LOCATED JUST SOUTH OF THE_____

SOUTHEASTERN EDGE OF THE COLORADO PLATEAU_____>

Local Structures N7O<THE AREA IS FAULTED AND CUT BY TERTIARY_____

INTRUSIVES_____>

Host-FM. Name U1<BACA_____> Member U2<_____>

Host Rock K1<TERT (Age) SANDSTONE, MEDIUM GRAINED, CONSISTS OF QUARTZ, (Rock type, texture, composition, FELDSPARS, AND ROCK FRAGMENTS, LIMONITE STAINED, CONTAINS COARSE_____ color, alteration, attitude, geometry, structure, etc.) CONGLOMERATE LAYERS_____>

Host-Rock Environment U3<FLUVIAL_____

(Sed. dep. environ., metamorphic facies,

_____>

ign. environ.)

Comments on Associated Rocks U4<_____

_____

_____>

Ore Minerals C3O<_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 25_____

Alteration N75<LIMONITIZATION_____

_____

_____>

Reductants U5<_____

_____

_____>

Analytical Data (General) C43<SAMPLE 0.19% U_____

_____

_____

_____>

Radiometric Data (General) U6<BACKGROUND .01-.02 MR/HR HIGH- 0.4-0.5_
(No. times background and dimensions)
MR/HR, AVERAGE 0.2-0.3 MR/HR_____>

_____

_____>

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__

EPIGENETIC_____>

_____

_____

_____

_____>

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

_____

_____

_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

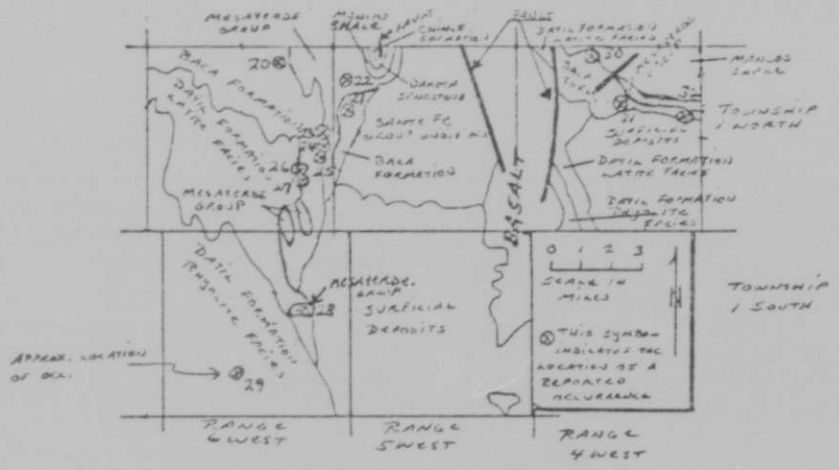
Quad Name SOCORRO

Deposit No. 25

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RRA 1154.

F2<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFFESSIONAL PAPER 603.

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 25_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 26>

Deposit Name A10<RUSTY ATOM CLAIMS #1,2,3,4 AND 5>

Synonym Name(s) A11<>

District or Area A30<HOOK RANCH AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT AREA IS LOCATED ON THE EAST AND WEST SLOPES OF JARALOSA CANYON FROM HOOK RANCH TO 1 MILE SOUTH OF HOOK RANCH>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-16-45N> (Dg Mn Sc) Longitude A80<107-26-00W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<006W> (E/W) Section A79<26>

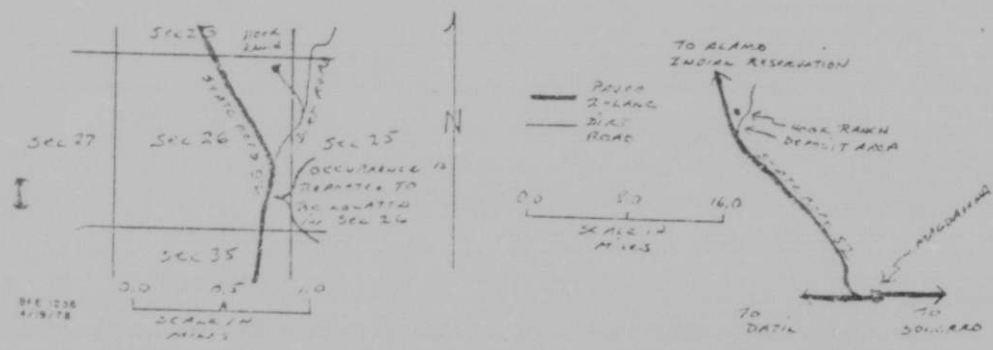
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6900 FT>

Quad Scale A91<24000 > Quad Name A92<INDIAN SPRING CANYON>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 01/09/79>

Location Sketch Map:



URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 26_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<CLAIMS STAKED 2/1/54_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 26

Deposit Form/Shape M10< STRATIFORM >

Length M40<_____> M41<__> FT/M

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<DUE NORTH_____>

Dip M80<23 DEG E_____>

Size M15 (circle letter) lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT AREA IS LOCATED JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU>

Local Structures N70<FAULTING, FOLDING, AND TERTIARY INTRUSIVES ARE PRESENT IN THE AREA>

Host-FM. Name U1<BACA> Member U2<>

Host Rock K1<TERT (Age) SANDSTONE, MEDIUM GRAINED, CONSISTS OF QUARTZ, FELDSPAR, AND ROCK FRAGMENTS, LIMONITE STAINED, SOME WOODY, CARBONACEOUS MATERIAL IS FOUND AT RADIOACTIVE SPOTS> (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<CONTINENTAL, FLUVIAL> (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 26_____

Alteration N75<LIMONITIZATION_____

Reductants U5<CARBONACEOUS TRASH_____

Analytical Data (General) C43<EU - 0.045% U-0.024% FOR GRAB SAMPLE___

F-16302_____

Radiometric Data (General) U6<BACKGROUND 0.015 MR/HR IN_____

(No. times background and dimensions)

LIMONITE-STAINED ZONES .05 TO .20 MR/HR AVERAGE 0.01 MR/HR_____

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__

EPIGENETIC_____

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 26

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB-RRA 1407 OPEN-FILED

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 26

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO_____>

Quad Scale A100< 250000>

Deposit No. 840< 27>

Deposit Name A10<HOOK RANCH DEPOSIT_____>

Synonym Name(s) A11<_____

District or Area A30<HOOK RANCH AREA_____>

Country A40<US> US State NEW MEXICO_____

State Code A50<35> 35 County A60<SOCORRO_____>

Position from Prominent Locality A82<DEPOSIT AREA IS THE AREA AROUND__

HOOK RANCH_____>

Field Checked G1<7901> By G2<HANNIGAN, BRIAN J._____>
YrMo Last Name First Initial

Latitude A70<34-16-45N> Longitude A80<107-26-10W>
Dg Mn Sc Dg Mn Sc

Township A77<001N> Range A78<006W> Section A79<26>
N/S E/W

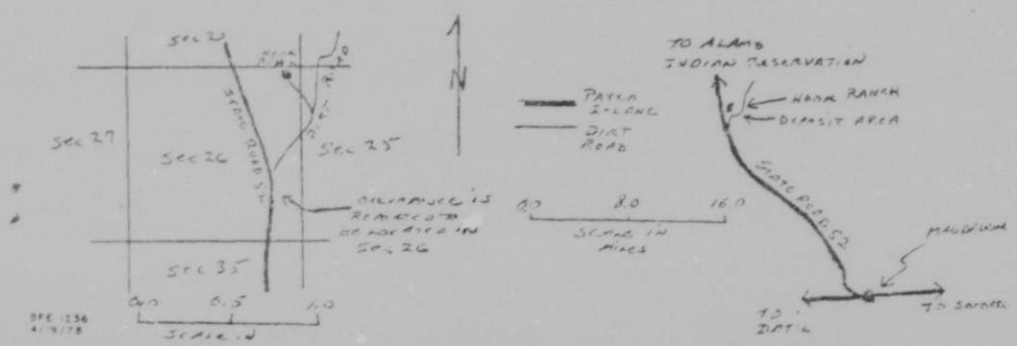
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN_> Altitude A107<6900 FT___>

Quad Scale A91<24000 > Quad Name A92<INDIAN SPRING CANYON_____>

Physiographic Province A63<12 BASIN AND RANGE_____>
(List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 1/9/79_____

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 27____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 27_____

Deposit Form/Shape M10< STRATIFORM_____>

FT/M

Length M40<_____> M41<__>

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<_____>

Dip M80<_____>

Size M15 (circle letter)

lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<DEPOSIT AREA IS LOCATED JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU_____>

Local Structures N70<_____

_____>

Host-FM. Name U1<BACA_____> Member U2<_____>

Host Rock K1<TERT SANDSTONE_____
(Age) (Rock type, texture, composition,

color, alteration, attitude, geometry, structure, etc.)
_____>

Host-Rock Environment U3<FLUVIAL_____
(Sed. dep. environ., metamorphic facies,

ign. environ.)
_____>

Comments on
Associated Rocks U4<_____

_____

_____>

Ore Minerals C30<_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 27_____

Alteration N75<_____

_____

_____>

Reductants U5<_____

_____

_____>

Analytical Data (General) C43<_____

_____

_____

_____>

Radiometric Data (General) U6<_____
(No. times background and dimensions)

_____

_____

_____>

Ore Controls K5<PROBABLY LITHOLOGIC AND CHEMICAL AS DEPOSITS IN THE___

AREA ARE STRATIFORM AND EPIGENETIC_____>

_____

_____

_____

_____>

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

_____

_____

_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

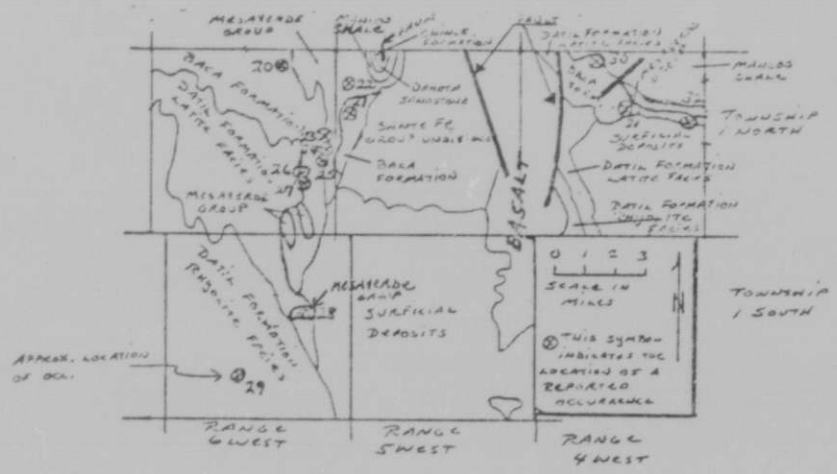
Quad Name SOCORRO

Deposit No. 27

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<G.J.O.O. MONTHLY REPORT; JULY, 1955

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 27

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 28>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<>

District or Area A30<HOOK RANCH AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 1.2 MILES N 83 DEG E OF GALLINAS PEAK>

Field Checked G1<7907> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-13-20N> (Dg Mn Sc) Longitude A80<107-26-10W> (Dg Mn Sc)

Township A77<001S> (N/S) Range A78<006W> (E/W) Section A79<14>

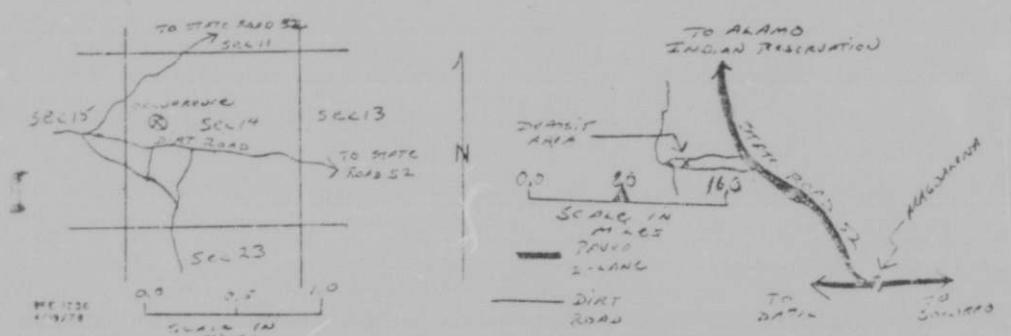
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<7400 FT>

Quad Scale A91<24000 > Quad Name A92<GALLINAS PEAK>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<THE SECTION, TOWNSHIP, RANGE, AND THE LATITUDE, LONGITUDE IN THE LITERATURE ARE INCORRECT; THEY ARE CORRECTED HERE>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 28_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<DRILLING HAS BEEN DONE IN
THE AREA_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 23

Deposit Form/Shape M10< STRATIFORM>

Length M40< 25> M41<FT> (FT/M)

Width M50<> M51<> (FT/M)

Thickness M60< C.5> M61<FT> (FT/M)

Strike M70<N 15 DEG W>

Dip M80<30 DEG NE>

Size M15 (circle letter) lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT IS LOCATED JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU>

Local Structures N70<AREA IS FAULTED, FOLDED AND CUT BY TERTIARY INTRUSIVES>

Host-FM. Name U1<MESA VERDE GROUP> Member U2<>

Host Rock K1<CRET (Age) SANDSTONES, SHALES, LIMESTONES, SANDSTONE FINE GRAINED, GRAY TO LIGHT BROWN AND VERY FRIABLE, LIMESTONE IS VERY FINE GRAINED, GRAY- BLACK, OCCURS AS THIN INTERBEDS IN SANDSTONE. SHALE> (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)*

Host-Rock Environment U3<MARGINAL MARINE> (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 28_____

Alteration N75<LIMONITIZATION_____

Reductants U5<CARBONACEOUS MATERIAL_____

Analytical Data (General) C43<_____

Radiometric Data (General) U6<BACKGROUND 0.05 MR/HR, ROCK COUNT 0.6___
(No. times background and dimensions)
MR/HR_____

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__
EPIGENETIC_____

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 28

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RRA 845 OPEN-FILED.

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 28_____

Continuation from p. 1-5

Label

K1<IS BLACK, FRIABLE AND LOCALLY CARBONACEOUS_____>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 29>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<>

District or Area A30<HOOK RANCH AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT IS LOCATED ABOUT 3.2 MILES SOUTHWEST OF OCCURRENCE 30>

Field Checked G1<7907> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-11-10N> (Dg Mn Sc) Longitude A80<107-28-00W> (Dg Mn Sc)

Township A77<001S> (N/S) Range A78<006W> (E/W) Section A79< 0>

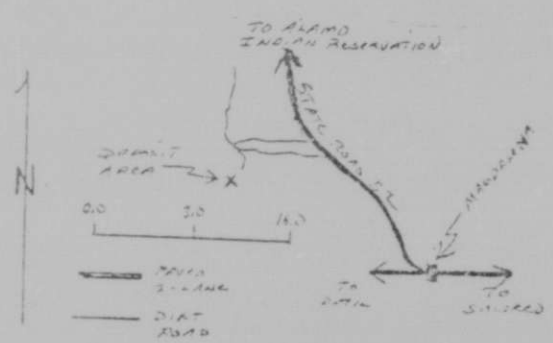
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

Quad Scale A91<24000 > Quad Name A92<GALLINAS PEAK>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED 7/10/79. THE SECTION, TOWNSHIP AND RANGE AND THE LATITUDE AND LONGITUDE IN THE REFERENCE DO NOT AGREE.>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 29_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<2>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<2 PROSPECT PITS DUG IN___
1896, 5 PROSPECT PITS DUG IN 1953, AREA WAS TO BE DRILLED 10/1953____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<7 PROSPECT PITS FROM 3-5 FT DEEP_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 29_____

Deposit Form/Shape M10< ASSOCIATED WITH QUARTZ STRINGERS_____>

			FT/M		
Length	M40<	2000>	M41<FT>	Size M15 (circle letter)	
Width	M50<_____>		M51<__>		lb U308
Thickness	M60<_____>		M61<__>	A	0-20,000
				B	20,000-200,000
Strike	M70<NW TO SE_____>			C	200,000-2,000,000
				D	2million - 20million
Dip	M80<_____>			E	More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<THE DEPOSIT LIES JUST SOUTH OF THE_____

SOUTHEASTERN EDGE OF THE COLORADO PLATEAU_____>

Local Structures N70<_____

_____>

Host-FM. Name U1<DATIL_____> Member U2<_____>

Host Rock K1<TERT (Age) ANDESITE AND RHYOLITE EXTRUSIVES, ANDESITE IS_
(Rock type, texture, composition,
PINKISH GRAY, FINE GRAINED, WEATHERS TO GRAY SAND. RHYOLITE IS BUFF__
color, alteration, attitude, geometry, structure, etc.)
COLORED AND WEATHERS BUFF TO BROWN. EXTRUSIVES ARE CUT BY QUARTZ___>*

Host-Rock Environment U3<_____
(Sed. dep. environ., metamorphic facies,

_____>
ign. environ.)

Comments on
Associated Rocks U4<HEMATITE(?) CRYSTALS UP TO 1 MM AND CALCITE_____

CRYSTALS UP TO 0.5 INCHES APPEAR IN THE GRAY QUARTZ VEINS, MINOR_____

AMOUNTS OF PYRITE AND CHALCOPYRITE ARE PRESENT IN PLACES._____>

Ore Minerals C30<_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name L. CORRO_____

Deposit No. 29_____

Alteration N75<_____

_____

_____>

Reductants U5<_____

_____

_____>

Analytical Data (General) C43<THE SAMPLE ANALYSES AS OF SEPTEMBER 1953 INDICATED THAT THE MATERIAL DID NOT APPROACH ORE GRADE. SAMPLES F-15820, F-15821, F-15822 WERE ASSAYED AT 0.022, 0.038, 0.018 RADIOMETRIC AND 0.0035, 0.0059, 0.0035 CHEMICAL RESPECTIVELY._____>

Radiometric Data (General) U6<BACKGROUND = 0.05 MR/HR ROCK COUNT 0.15 MR/HR, 0.4 MR/HR, 0.15-0.2 MR/HR_____>
(No. times background and dimensions)

_____

_____>

Ore Controls K5<_____

_____

_____

_____

_____

_____

_____>

Deposit Class C40<VOLCANOGENIC_____> Class No. U7<500>

Comments on Geology N85<_____

_____

_____

_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 29

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB PRA 800 OPEN-FILED

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 29_____

Continuation from p. 1-5

Label

K1<VEINS, GRAY IN COLOR, UP TO 4 INCHES WIDE_____>

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO_____>

Quad Scale A100< 250000>

Deposit No. B40< 30>

Deposit Name A10<KING MINING CLAIM_____>

Synonym Name(s) A11<_____

District or Area A30<RILEY AREA_____>

Country A40<US> US State NEW MEXICO_____

State Code A50<35> 35 County A60<SOCORRO_____>

Position from Prominent Locality A82<3.5 MILES SW OF RILEY, N.M. AND__

2.5 MILES NE OF HELL'S MESA, 1.0 MILES N 18 DEG E OF SPEARS RANCH____>

Field Checked G1<7901> By G2<HAMMOND, DAVID J._____>
YrMo Last Name First Initial

Latitude A70<34-20-30N> Longitude A80<107-15-30W>
Dg Mn Sc Dg Mn Sc

Township A77<001N> Range A78<004W> Section A79< 4>
N/S E/W

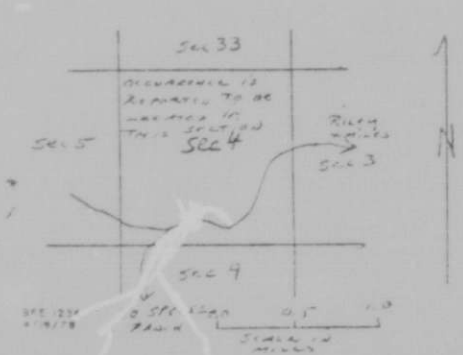
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN_> Altitude A107<5600 FT___>

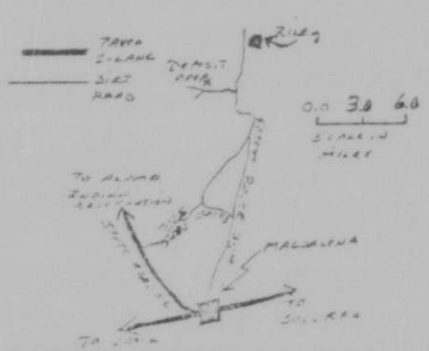
Quad Scale A91<24000 > Quad Name A92<MESA CENCERRO_____>

Physiographic Province A63<12 BASIN AND RANGE_____>
(List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 1/3/79_____

Location Sketch Map:





URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 30_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<1>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<CLAIM STAKED MARCH 20,___

1954_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 30

Deposit Form/Shape M10< STRATIFORM >

			FT/M	
Length	M40<	>	M41< >	
Width	M50<	>	M51< >	
Thickness	M60<	>	M61< >	
Strike	M70<	>		
Dip	M80<	>		

Size M15 (circle letter)

lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<>

Local Structures N70<LOCAL BLOCK FAULTING>

Host-FM. Name U1<BACA> Member U2<>

Host Rock K1<TERT (Age) SANDSTONE, MEDIUM GRAINED, CONSISTS OF QUARTZ, (Rock type, texture, composition, FELDSPAR, ROCK FRAGMENTS, LIMONITE STAINED, SOME CONGLOMERATE LENSES color, alteration, attitude, geometry, structure, etc.) PRESENT, CALICHE (?) COATINGS PRESENT>

Host-Rock Environment U3<CONTINENTAL, FLUVIAL (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 30

Alteration N75<LIMONITIZATION PRESENT IN AREA

Reductants U5<CARBONACEOUS TRASH PRESENT IN AREA

Analytical Data (General) C43<GRAB SAMPLE F-16304 0.02% EU

Radiometric Data (General) U6<RADIOACTIVITY WAS FOUND ON ONLY A FEW
(No. times background and dimensions)
SAMPLES FROM A VERY RESTRICTED AREA. BACKGROUND = 0.02 MR/HR HIGH -
0.5 MR/HR ALONG FRACTURE PLANES. AVERAGE 0.1-0.2 MR/HR WITH LIMONITE
STAINS>

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND
EPIGENETIC>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

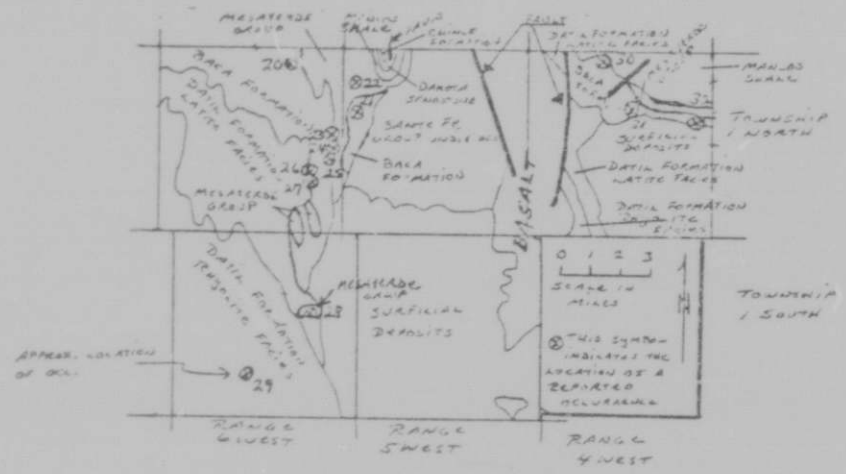
Quad Name SOCORRO

Deposit No. 30

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.>

F2<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RRA 1413 OPEN-FILED.>

F3<>

F4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 30_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 31>

Deposit Name A10<RILEY AREA>

Synonym Name(s) A11<LUCIEL #1-8>

District or Area A30<RILEY AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<4.8 MILES SOUTH 12 DEG WEST OF RILEY NEW MEXICO>

Field Checked G1<7901> (YrMo) By G2<HAMMOND, DAVID J.> (Last Name, First, Initial)

Latitude A70<34-18-50N> (Dg Mn Sc) Longitude A80<107-15-00W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<004W> (E/W) Section A79<15>

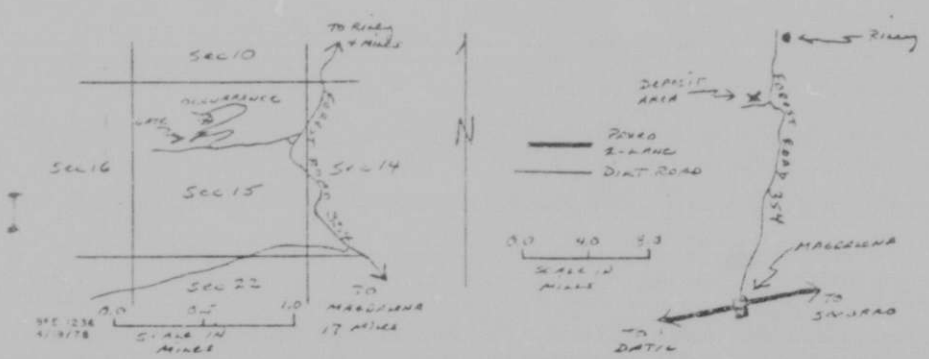
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6400 FT>

Quad Scale A91<62500 > Quad Name A92<RILEY>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<>

Location Sketch Map:



URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 31_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<1978 ASSESSMENT MADE AND_

POSTED_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<OPEN CUT 50 FT LONG 10 FT HIGH AREA HAS__

BEEN DRILLED_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 31_____

Deposit Form/Shape M10< STRATIFORM_____>

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U308
Thickness	M60<_____>	M61<__>	A 0-20,000
			B 20,000-200,000
Strike	M70<_____>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<_____>		E More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<DEPOSIT IS LOCATED JUST SOUTH OF THE_____

SOUTHEASTERN EDGE OF THE COLORADO PLATEAU_____>

Local Structures N70<AREA IS FAULTED AND CUT BY INTRUSIVES_____

_____>

Host-FM. Name U1<BACA_____> Member U2<_____>

Host Rock K1<TERT SANDSTONE MEDIUM TO COARSE GRAINED, GREY TO___
(Age) (Rock type, texture, composition,
ORANGE WITH LAYERS OF PURPLE AND RED STAINING CONSISTS OF QUARTZ,_____
color, alteration, attitude, geometry, structure, etc.)
FELDSPARS, AND ROCK FRAGMENTS, CARBONACEOUS MATERIAL PRESENT, 3_____>*

Host-Rock Environment U3<CONTINENTAL FLUVIAL_____
(Sed. dep. environ., metamorphic facies,

_____>
ign. environ.)

Comments on
Associated Rocks U4<_____

_____

_____>

Ore Minerals C30<_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 31

Alteration N75<BLEACHING

Reductants U5<CARBONACEOUS TRASH

Analytical Data (General) C43<

Radiometric Data (General) U6<BACKGROUND = 50 CPS. 16 X BACKGROUND
(No. times background and dimensions)
OVER 1 METER SQUARED>

Ore Controls K5<PROBABLY LITHOLOGIC AND CHEMICAL AS THE DEPOSIT IS
STRATIFORM AND EPIGENETIC. HOWEVER THE RELATIONSHIP OF THE INTRUSIVES
WITH THE DEPOSIT IS UNCERTAIN>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

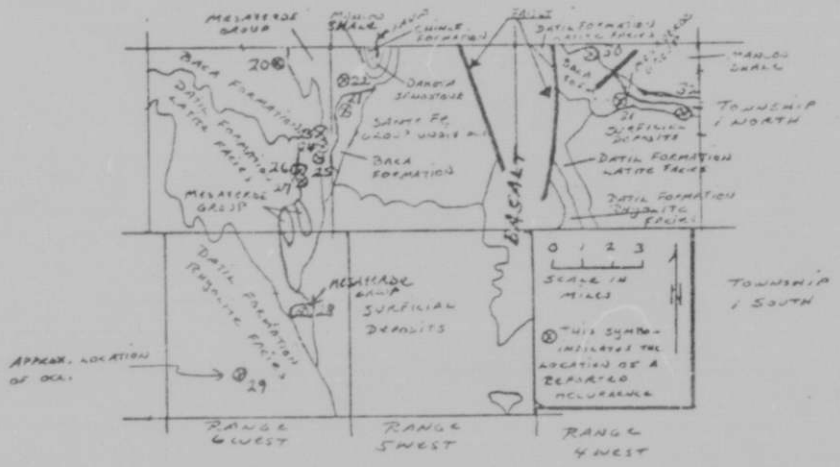
Quad Name SOCORRO

Deposit No. 31

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 130	carbonaceous material in sandstone	38.9 ppm U
MDQ 131	sandstone	102.0 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC RAW MATERIAL EVALUATION REPORT 1073

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 31_____

Continuation from p. 1-5

Label

K1<INTRUSIONS CUT THROUGH THE AREA_____>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 32>

Deposit Name A10<LUCIEL CLAIMS #1-8>

Synonym Name(s) A11<DISAPPOINTMENT #3, RILEY AREA>

District or Area A30<RILEY AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 4.5 MILES SOUTH OF RILEY, NEW MEXICO>

Field Checked G1<7910> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-18-50N> (Dg Mn Sc) Longitude A80<107-13-00W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<004W> (E/W) Section A79<13>

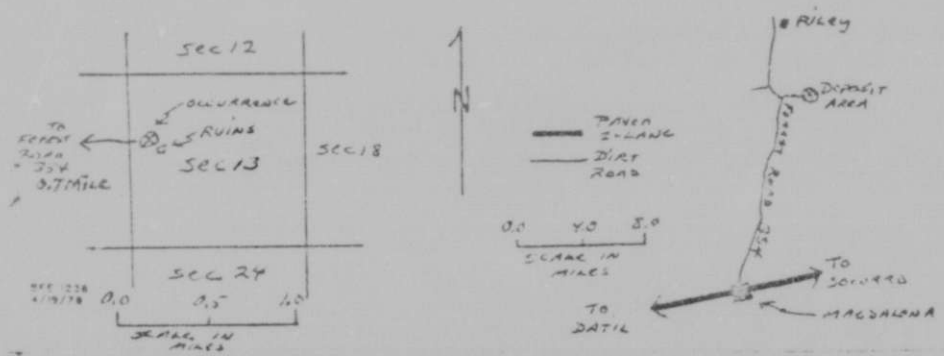
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5920 FT>

Quad Scale A91< 62500> Quad Name A92<RILEY>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 32_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<1>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<THE 1979 ASSESSMENT WAS__

POSTED_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<NO WORKINGS WERE FOUND_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 32

Deposit Form/Shape M10< STRATIFORM >

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U308
Thickness	M60<_____>	M61<__>	A 0-20,000
			B 20,000-200,000
Strike	M70<_____>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<_____>		E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT IS LOCATED JUST SOUTH OF THE SOUTHEASTERN EDGE OF THE COLORADO PLATEAU>

Local Structures N70<AREA IS FAULTED AND CUT BY INTRUSIVES>

Host-FM. Name U1<BACA> Member U2<>

Host Rock K1<TERT (Age) SANDSTONE, MEDIUM TO COARSE GRAINED, LIMONITE STAINED CONSISTS OF QUARTZ, FELDSPARS AND SOME ROCK FRAGMENTS, CARBONACEOUS TRASH PRESENT, ONE INTRUSIVE WAS NOTED IN THE DEPOSIT>* (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<FLUVIAL (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 32_____

Alteration N75<LIMONITIZATION_____

Reductants U5<CARBONACEOUS TRASH_____

Analytical Data (General) C43<_____

Radiometric Data (General) U6<2 X BACKGROUND IN DEPOSIT AREA_____
(No. times background and dimensions)

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__

EPIGENETIC_____>

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 32

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1<ATOMIC ENERGY COMMISSION, PRELIMINARY RECONNAISSANCE REPORT, DAO-PU-1500, OPEN FILE>

F2<>

F3<>

F4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 32

Continuation from p. 1-5

Label

K1<AREA>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 33>

Deposit Name A10<CHARLES JEETER MINE>

Synonym Name(s) A11<CHARLEY #2>

District or Area A30<LADRON PEAK AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 4 MILES N 85 DEG E OF LADRON PEAK>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-26-20N> (Dg Mn Sc) Longitude A80<107-01-00W> (Dg Mn Sc)

Township A77<003W> (N/S) Range A78<002W> (E/W) Section A79<35>

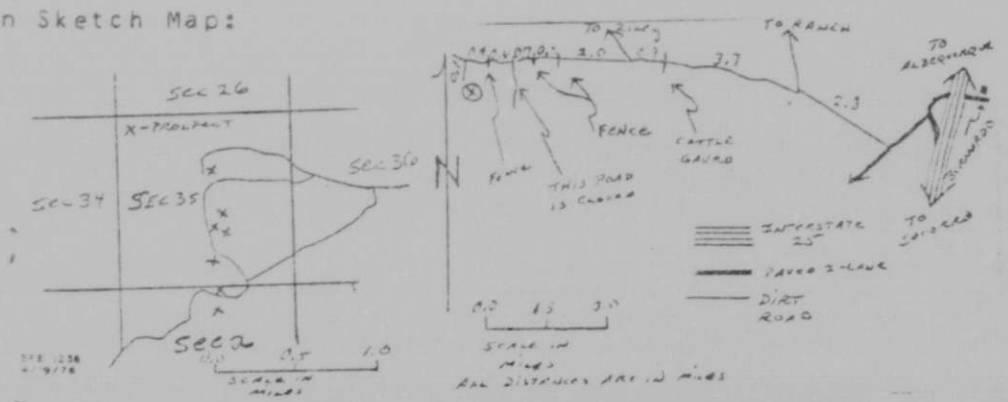
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5700 FT>

Quad Scale A91<62500 > Quad Name A92<RILEY>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<ALSO FIELD CHECKED BY WENRICH-VERBEEK, KAREN J., AND SUITS, VIVIAN J.>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 33_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<U_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<4>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<DEPOSIT MINED FROM OPEN__
PIT AND INCLINED SHAFT 1954-1958_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<OPEN PIT 200 M LONG 12 M DEEP WITH_____
INCLINED SHAFT NEAR CENTER OF PIT_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UACC> G7A< 52> G7B<LB> G7C<1954-1958> G7D<0. ____% U308>

Source of Information D9<HARLEN HOLEN D.O.E._____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 33

Deposit Form/Shape M10< DISSEMINATED IN FAULT ZONE>

			FT/M
Length	M40< >	M41< >	
Width	M50< >	M51< >	
Thickness	M60< >	M61< >	
Strike	M70<DUE NORTH>		
Dip	M80<25 DEG EAST>		

Size M15 (circle letter)

lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT IS LOCATED JUST WEST OF THE RIO GRANDE TROUGH>

Local Structures N70<THE CERRO COLORADO FAULT RUNS THROUGH THE DEPOSIT AREA>

Host-FM. Name U1<POPOTOSA> Member U2<>

Host Rock K1<TERT (Age) SANDSTONE AND CONGLOMERATE IN FAULT CONTACT WITH PRECAMBRIAN GRANITE. MINERALIZED ZONE UNDERLIES SHEARED RED CLAY ZONE ABOUT 5 FT THICK AND RESTS ON BRECCIATED GRANITIC ROCK> (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<ALLUVIAL FAN, MUD FLOW> (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<>

Ore Minerals C30<CARNOTITE, TYUYAMUNITE, AUTUNITE, PITCHBLENDE, META-AUTUNITE>

Gangue Minerals K4<MALACHITE, AZURITE, QUARTZ GOETHITE>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 33

Alteration N75<

Reductants U5<

Analytical Data (General) C43<

Radiometric Data (General) U6<BACKGROUND = 50 CPS. ORE IN STOCK PILES (No. times background and dimensions) GAVE COUNTS OF 100-160 X BACKGROUND OVER 5 METER SQUARED AREA>

Ore Controls K5<STRUCTURAL AS FAULT ZONE AND FRACTURE SURFACES APPEAR TO CONTROL MINERALIZATION>

Deposit Class C40<VEIN-TYPE DEPOSIT IN SED. ROCKS> Class No. U7<730>

Comments on Geology N85<

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

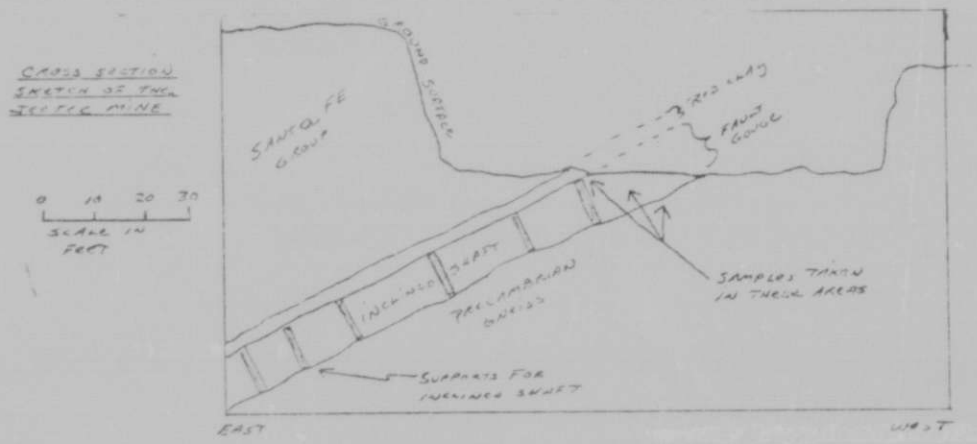
Deposit No. 33

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 011	radioactive shale/siltstone	306.0 ppm U
MDQ 012	gouge from fault contact zone	21.3 ppm U
MDQ 133	granite from ore stockpile	462.0 ppm U
MDQ 134	fault gouge(?) from ore stockpile	4000.0 ppm U
MDQ 135	red mudstone	3080.0 ppm U
MDQ 136	purple mudstone	521.0 ppm U

Samples continued on page 6

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT ED-R-368 OPEN-FILED

F2<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 33

Continuation from p. 1-5

Label

Sample No.	Sample description	Uranium analysis
MDQ 137	clayey arkose	78.5 ppm U
MDQ 142	replicate of MDQ 135	2960.0 ppm U

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 34>

Deposit Name A10<SILVER CREEK PROSPECT>

Synonym Name(s) A11<>

District or Area A30<RILEY AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 2 MILES S 65 DEG E OF RILEY NEW MEXICO>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-18-45N> (Dg Mn Sc) Longitude A80<107-02-00W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<002W> (E/W) Section A79<15>

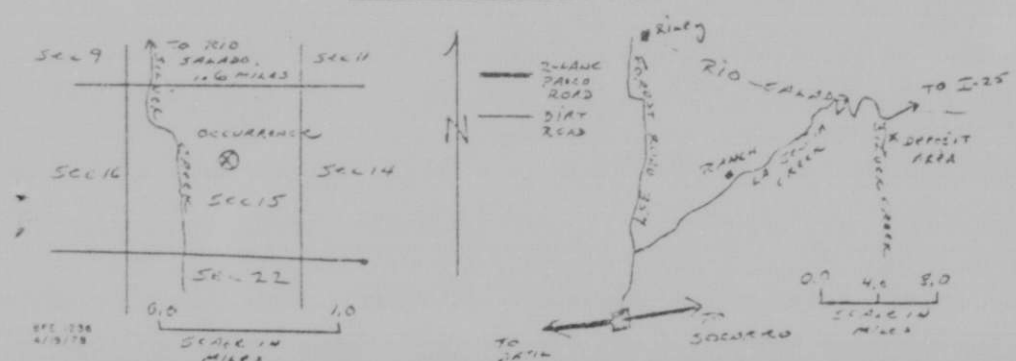
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5300 FT>

Quad Scale A91<62500 > Quad Name A92<RILEY>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<FROM THE CONFLUENCE OF THE RIO SALADO AND SILVER CREEK GO SOUTH UP SILVER CREEK 2.5 MILES. ADIT IS 1200 FT EAST>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 34_____

Commodities Present:
C10<U___CU_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<2>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<CLAIM WAS AN OLD COPPER__

PROSPECT_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<1 SHORT ADIT_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 34

Deposit Form/Shape M10< FRACTURE COATINGS >

		FT/M	
Length	M40< >	M41< >	Size M15 (circle letter)
Width	M50< >	M51< >	lb U308
Thickness	M60< >	M61< >	A 0-20,000
			B 20,000-200,000
Strike	M70< >		C 200,000-2,000,000
			D 2million - 20million
Dip	M80< >		E More than 20million

Tectonic Setting N15<MOBILE BELT >

Major Regional Structures N5<DEPOSIT IS LOCATED WEST OF THE RIO GRANDE TROUGH >

Local Structures N70<FRACTURES RUN THROUGH THE DEPOSIT >

Host-FM. Name U1<POPOTOSA > Member U2< >

Host Rock K1<TERT ANDESITE, VESICULAR, GREY IN COLOR, FRACTURES_
(Age) (Rock type, texture, composition,
CONTAIN URANIUM, COPPER, AND GRAPHITE MINERALIZATION. >
color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<FRACTURE COATINGS ON ANDESITE
(Sed. dep. environ., metamorphic facies,
ign. environ.)

Comments on Associated Rocks U4<

Ore Minerals C30<YELLOW URANIUM MINERALS ASSOCIATED WITH COPPER OXIDES

Gangue Minerals K4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 34_____

Alteration N75<_____

_____

_____>

Reductants U5<_____

_____

_____>

Analytical Data (General) C43<GRAB SAMPLE 0.30% U308_____

_____

_____

_____>

Radiometric Data (General) U6<BACKGROUND = 50 CPS. 9 X BACKGROUND____
(No. times background and dimensions)

NEAR FRACTURE COATINGS_____>

_____

_____>

Ore Controls K5<STRUCTURAL AND CHEMICAL AS DEPOSIT IS ASSOCIATED WITH_

FRACTURES_____>

_____

_____

_____

_____>

Deposit Class C40<VOLCANOGENIC_____> Class No. U7<500>

Comments on Geology N85<_____

_____

_____

_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

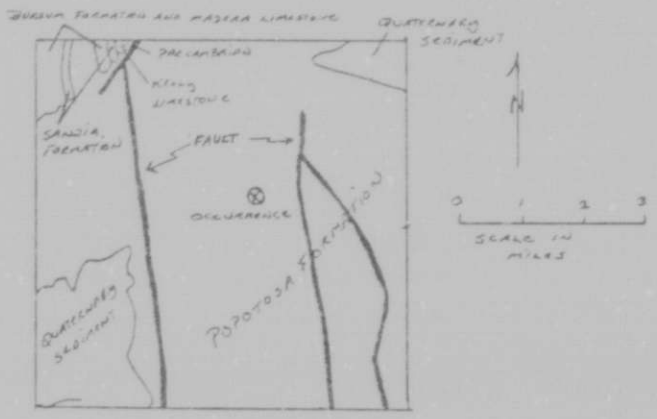
Quad Name SOCORRO

Deposit No. 34

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 138	fracture coatings on andesite	3.93 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.>

F2<>

F3<>

F4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 34

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 35>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<>

District or Area A30<SAN ACACIA AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT AREA IS ABOUT 4 MILES N 48 DEG W OF SAN ACACIA NEW MEXICO>

Field Checked G1<7903> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-17-40N> (Dg Mn Sc) Longitude A80<106-57-00W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<001W> (E/W) Section A79<21>

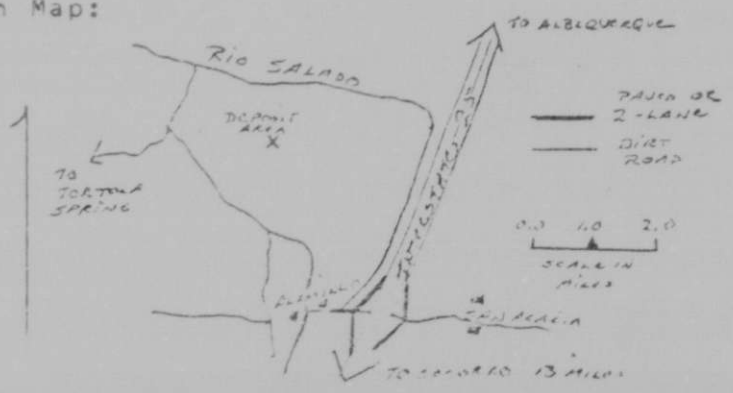
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

Quad Scale A91<24000 > Quad Name A92<SAN ACACIA>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 3/26/79>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 35_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 35

Deposit Form/Shape M10< STRATIFORM >

		FT/M	
Length	M40< >`	M41< >	Size M15 (circle letter)
Width	M50< >	M51< >	tb U308
Thickness	M60< >	M61< >	A 0-20,000
			B 20,000-200,000
Strike	M70< >		C 200,000-2,000,000
			D 2million - 20million
Dip	M80< >		E More than 20million

Tectonic Setting N15<MOBILE BELT >

Major Regional Structures N5<DEPOSIT IS LOCATED JUST WEST OF RIO GRANDE TROUGH >

Local Structures N70< >

Host-FM. Name U1<SANTA FE GROUP > Member U2< >

Host Rock K1<QUAT SANDSTONE FINE TO MEDIUM GRAINED, SOME CLAY GALLS >

(Age) (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<FLUVIAL >

(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4< >

Ore Minerals C30< >

Gangue Minerals K4< >

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 35

Alteration N75<

>

Reductants U5<

>

Analytical Data (General) C43<

>

Radiometric Data (General) U6<
(No. times background and dimensions)

>

Ore Controls K5<PROBABLY LITHOLOGIC AND CHEMICAL

>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

>

URANIUM-OCCURRENCE

REPORT

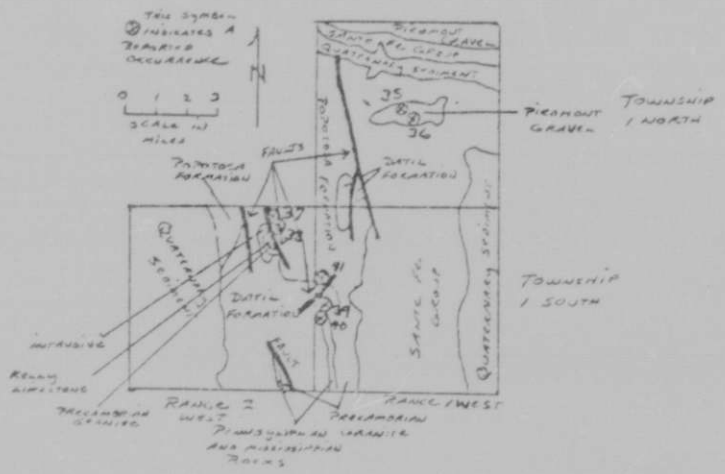
Quad Name SOCORRO

Deposit No. 35

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<U.S. GEOLOGICAL SURVEY TRACE ELEMENTS INVESTIGATIONS 198.

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 35_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 36>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<>

District or Area A30<SAN ACACIA AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 4 MILES N 48 DEG W OF SAN ACACIA NEW MEXICO>

Field Checked G1<7903> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-17-00N> (Dg Mn Sc) Longitude A80<106-56-30W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<001W> (E/W) Section A79<28>

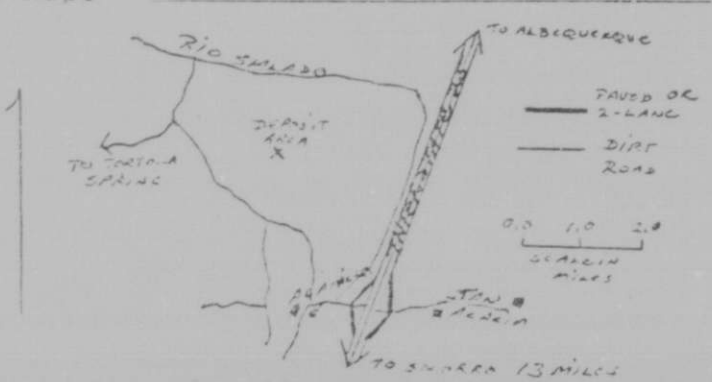
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

Quad Scale A91<24000 > Quad Name A92<SAN ACACIA>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 3//24/79>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 36_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 36

Deposit Form/Shape M10< STRATIFORM >

Length M40<_____> FT/M M41<__>

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<_____>

Dip M80<_____>

Size M15 (circle letter)

lb U3O8

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT IS LOCATED WEST OF THE RIO GRANDE TROUGH>

Local Structures N70<>

Host-FM. Name U1<SANTA FE GROUP> Member U2<>

Host Rock K1<QUAT (Age) SANDSTONE FINE TO MEDIUM GRAINED, SOME CLAY (Rock type, texture, composition, GALLS>
color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<FLUVIAL (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 36_____

Alteration N75<_____

_____

_____>

Reductants U5<_____

_____

_____>

Analytical Data (General) C43<_____

_____

_____

_____>

Radiometric Data (General) U6<_____
(No. times background and dimensions)

_____

_____

_____>

Ore Controls K5<PROBABLY LITHOLOGIC AND CHEMICAL_____

_____

_____

_____

_____

_____>

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

_____

_____

_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

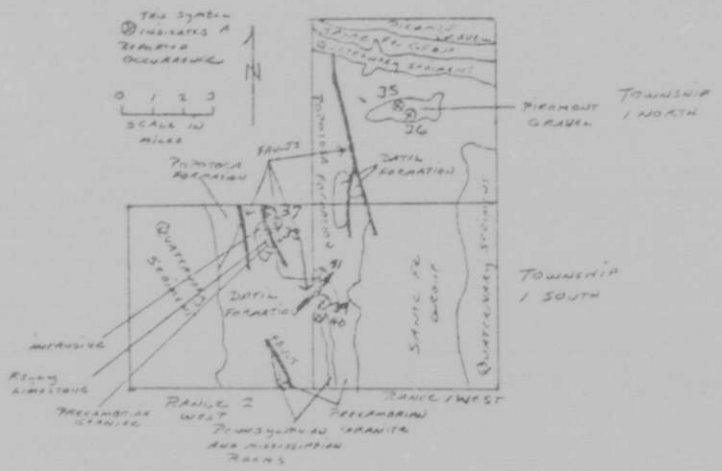
Quad Name SOCORRO

Deposit No. 36

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<U.S. GEOLOGICAL SURVEY TRACES ELEMENTS INVESTIGATIONS 198.

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 36

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 37>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<>

District or Area A30<SAN ACACIA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<FROM THE OLD SCHOOL AT ALAMILLO
GO ONE BLOCK SOUTH, TAKE DIRT ROAD TO THE WEST FOR 0.7 MILES, TURN
LEFT UP THE ARROYO FOR 5.3 MILES TO THE POWER LINE ROAD, TURN RIGHT
FOR 0.1 MILES, TURN LEFT AND WALK TO DIGGINGS LOCATED IN THE BOTTOM>*

Field Checked G1<7807> By G2<BAUER, DOUGLAS P.>
YrMo Last Name First Initial

Latitude A70<34-15-30N> Longitude A80<107-01-00W>
Dg Mn Sc Dg Mn Sc

Township A77<001S> Range A78<002W> Section A79< 2>
N/S E/W

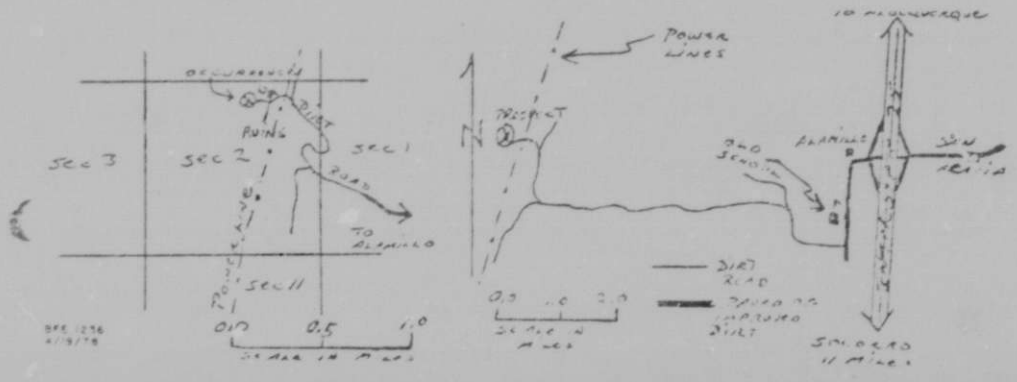
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5640 FT>

Quad Scale A91<62500 > Quad Name A92<RILEY>

Physiographic Province A63<12 BASIN AND RANGE>
(List K)

Location Comments A83<PERMISSION AND KEYS WILL BE NEEDED FROM THE
BOSQUE DEL APACHE NATIONAL WILDLIFE REFUGE>

Location Sketch Map:



URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 37_____

Commodities Present:
C10<U___CU_____>
Commodities Produced:
MAJOR<U___CU_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<4>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<ONE 20 FT SHAFT NOW INACCESSIBLE AT_____

DEPTH. PROSPECT PITS IN AREA._____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 37

Deposit Form/Shape M10<

Length M40< > M41< > FT/M

Width M50< > M51< >

Thickness M60< > M61< >

Strike M70<

Dip M80<

Size M15 (circle letter) lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT

Major Regional Structures N5<LOCATED ON THE WESTERN FLANK OF THE RIO GRANDE TROUGH

Local Structures N70<SOME LOCAL EAST DIPPING SHEAR ZONE PRESENT IN AREA

Host-FM. Name U1<POPOTOSA> Member U2<

Host Rock K1<TERT (Age) ANDESITE, FINE GRAINED, GREEN-GRAY. DEPOSIT IS A 25 FT FAULT ZONE IN A LAVA FLOW (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3< (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<

Ore Minerals C30<MALACHITE, CHRYSOCOLLA, NATIVE COPPER, TENORITE

Gangue Minerals K4<CALCITE, QUARTZ

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 37

Alteration N75<

>

Reductants U5<

>

Analytical Data (General) C43<SAMPLE 0.026% U

>

Radiometric Data (General) U6<BACKGROUND = 100 CPS. ANDESITE =
(No. times background and dimensions)
BACKGROUND. MINE DUMP = 30 X BACKGROUND>

>

Ore Controls K5<STRUCTURAL AND CHEMICAL AS MINERALIZATION IS
RESTRICTED TO FAULT ZONE>

>

Deposit Class C40<VOLCANOGENIC> Class No. U7<500>

Comments on Geology N85<

>

URANIUM-OCCURRENCE

REPORT

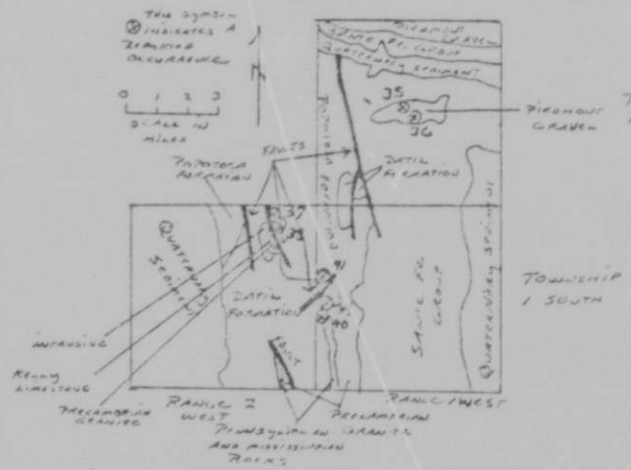
Quad Name SOCORRO

Deposit No. 37

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 013	andesite	1.89 ppm U
MDQ 104	andesite	66.60 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<U.S. GEOLOGICAL SURVEY TRACE ELEMENTS MEMORANDUM 290

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 37_____

Continuation from p. 1-5

Label

A82<OF A SMALL ARROYO_____>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO_____>

Quad Scale A100< 250000>

Deposit No. B40< 38>

Deposit Name A10<UNKNOWN_____>

Synonym Name(s) A11<_____

District or Area A30<SAN ACACIA_____>

Country A40<US> US State NEW MEXICO_____

State Code A50<35> 35 County A60<SOCORRO_____>

Position from Prominent Locality A82<FROM OLD SCHOOL AT ALAMILLO GO___
ONE BLOCK SOUTH, TAKE DIRT ROAD TO THE WEST FOR 0.7 MILES, TURN LEFT__
UP ARROYO FOR 5.3 MILES TO THE POWER LINE ROAD, TURN RIGHT FOR 0.1____
MILES TURN LEFT TO WORKINGS._____>

Field Checked G1<7807> By G2<BAUER, DOUGLAS P._____>
YrMo Last Name First Initial

Latitude A70<34-15-25N> Longitude A80<107-01-00W>
Dg Mn Sc Dg Mn Sc

Township A77<001S> Range A78<002W> Section A79< 2>
N/S E/W

Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN_> Altitude A107<5650 FT___>

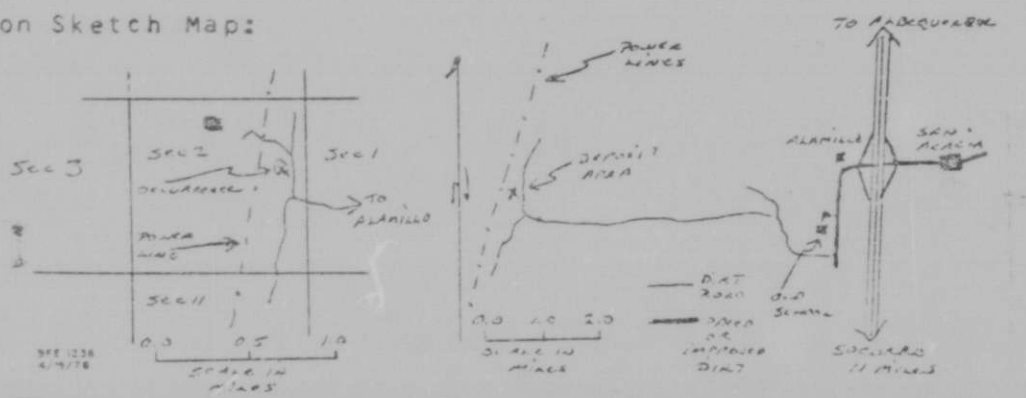
Quad Scale A91<62500 > Quad Name A92<RILEY_____>

Physiographic Province A63<12 BASIN AND RANGE_____>
(List K)

Location Comments A83<PERMISSION WILL BE NEEDED FROM THE BOSQUE DEL___
APACHE NATIONAL WILDLIFE REFUGE FOR ACCESS TO CLAIMS_____>

_____>

Location Sketch Map:



URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 38_____

Commodities Present:
C1O<U___CU_____>
Commocities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C5O<_____
_____>

Status of Exploration and Development A2O<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L11O<CLAIM WAS WORKED IN AN___
ATTEMPT TO PRODUCE COPPER_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M12O (Surface) M13O (Underground) M14O (Both)

Description of Workings M22O<ONE 15 FT SHAFT, ONE SHORT ADIT, NOW_____
CAVED AND MANY PROSPECT PITS IN AREA_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U3O8>

Source of Information D9<_____
_____>

Production Comments D1O<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U3O8>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 38

Deposit Form/Shape M10< MINERALIZED FAULT ZONE>

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U308
Thickness	M60<_____>	M61<__>	A 0-20,000
			B 20,000-200,000
Strike	M70<_____>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<_____>		E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<LOCATED ON THE WEST FLANK OF THE RIO GRANDE TROUGH>

Local Structures N70<BLOCK FAULTING AND TERTIARY INTRUSIVES, SOME LOCAL EAST DIPPING SHEAR ZONES PRESENT IN DEPOSIT AREA>

Host-FM. Name U1<POPOTOSA> Member U2<>

Host Rock K1<TERT (Age) ANDESITE, FINE GRAINED, GREEN GRAY IN COLOR. (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.) DEPOSIT IS IN A 25 FT WIDE MINERALIZED FAULT ZONE>

Host-Rock Environment U3<(Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C30<CARNOTITE, URANOPHANE, TORBERNITE, AUTUNITE ASSOCIATED WITH CHRYSOCOLLA, MALACHITE, NATIVE COPPER, AZURITE(?)>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 38_____

Alteration N75<_____

_____

_____>

Reductants U5<_____

_____

_____>

Analytical Data (General) C43<_____

_____

_____

_____>

Radiometric Data (General) U6<BACKGROUND = 100 CPS. 2 X BACKGROUND IN (No. times background and dimensions)

DEPOSIT AREA_____>

_____

_____>

Ore Controls K5<STRUCTURAL AND CHEMICAL AS MINERALIZATION APPEARS IN__

VUGS AND VEINLETS IN FAULT ZONE_____>

_____

_____

_____

_____>

Deposit Class C40<VOLCANOGENIC_____> Class No. U7<500>

Comments on Geology N85<_____

_____

_____

_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

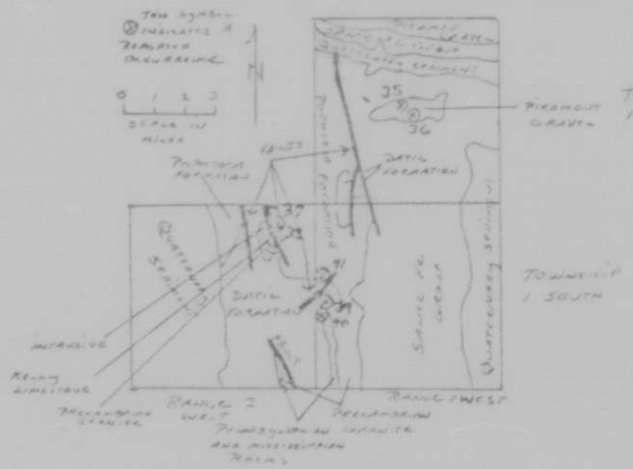
Quad Name SOCORRO

Deposit No. 38

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 102	andesite from fault zone	3.78 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<U.S. GEOLOGICAL SURVEY TRACE ELEMENTS MEMORANDUM 290.

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 38_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 39>

Deposit Name A10<POLVADERA MOUNTAIN CLAIM>

Synonym Name(s) A11<>

District or Area A30<SAN LORENZO DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<4 OR 5 MILES WEST OF SAN ACACIA NEW MEXICO>

Field Checked G1<7903> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-12-00N> (Dg Mn Sc) Longitude A80<106-59-00W> (Dg Mn Sc)

Township A77<001S> (N/S) Range A78<001W> (E/W) Section A79<19>

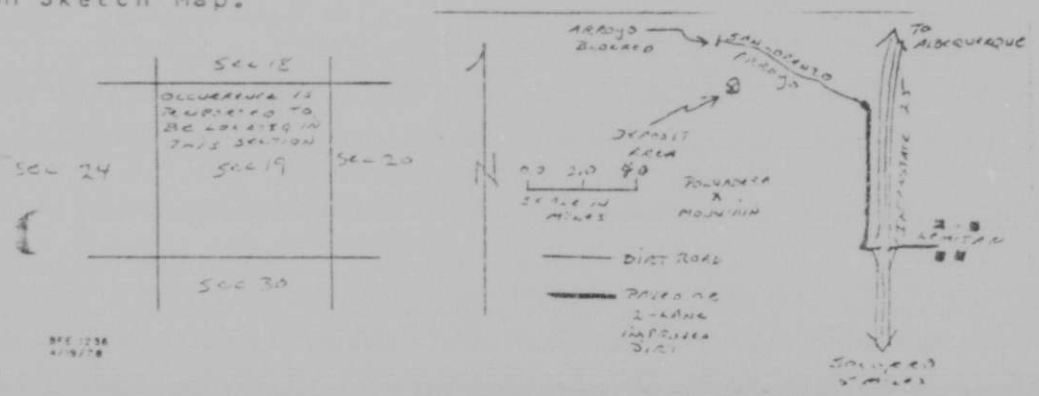
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

Quad Scale A91<24000 > Quad Name A92<LEMITAR>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE FOUND ON 3/23/79>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 39_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 39_____

Deposit Form/Shape M10<_____

FT/M

Length M40<_____> M41<__>

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<_____>

Dip M80<_____>

Size M15 (circle letter)

lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<_____>

Major Regional Structures N5<_____>

Local Structures N70<_____>

Host-FM. Name U1<POPOTOSA_____> Member U2<_____>

Host Rock K1<TERT SANDSTONE AND SILTSTONE_____>

(Age) (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<_____>

(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<_____>

Ore Minerals C30<YELLOW AND GREEN SECONDARY URANIUM MINERALS_____>

Gangue Minerals K4<_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 39

Alteration N75<

Reductants U5<

Analytical Data (General) C43<

Radiometric Data (General) U6<
(No. times background and dimensions)

Ore Controls K5<

Deposit Class C40<EPIGENETIC SANDSTONE(?)> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

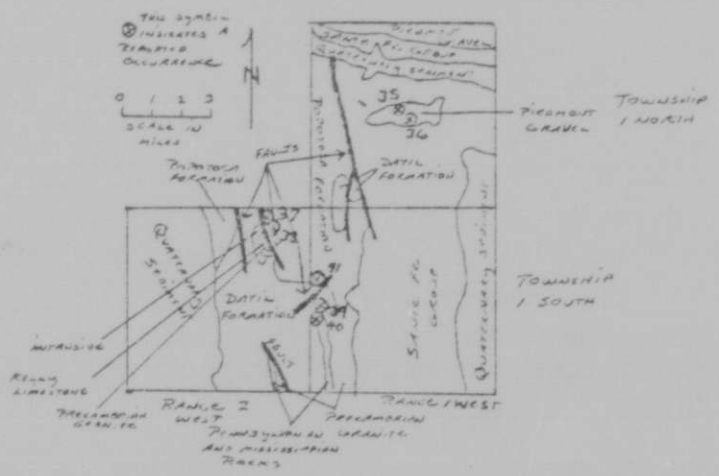
Quad Name SOCORRO

Deposit No. 39

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC RAW MATERIAL EVALUATION REPORT 1073

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 39

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 40>

Deposit Name A10<FOUR JOKES>

Synonym Name(s) A11<>

District or Area A30<SAN LORENZO DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<4 TO 5 MILES WEST OF SAN ACACIA NEW MEXICO>

Field Checked G1<7907> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-12-40N> (Dg Mn Sc) Longitude A80<106-58-30W> (Dg Mn Sc)

Township A77<001S> (N/S) Range A78<001W> (E/W) Section A79<19>

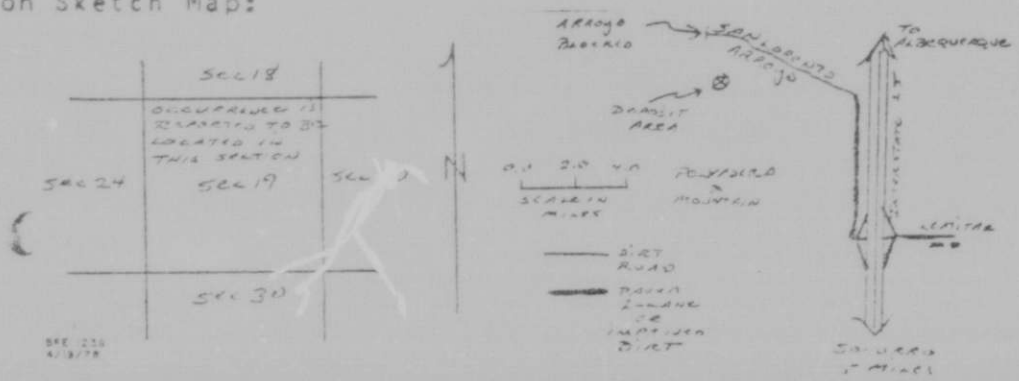
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

Quad Scale A91<24000 > Quad Name A92<LEMITAR>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 7/28/79>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 40_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 40_____

Deposit Form/Shape M10< VEIN(?)_____>

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U308
Thickness	M60<_____>	M61<__>	A 0-20,000
			B 20,000-200,000
Strike	M70<_____>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<_____>		E More than 20million

Tectonic Setting N15<MOBILE BELT_____ _____>

Major Regional Structures N5<DEPOSIT AREA IS LOCATED JUST WEST OF THE_

RIO GRANDE TROUGH_____>

Local Structures N70<_____>

Host-FM. Name U1<POPOTOSA_____> Member U2<_____>

Host Rock K1<TERT_____

(Age) (Rock type, texture, composition,

color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<_____

(Sed. dep. environ., metamorphic facies,

ign. environ.)

Comments on

Associated Rocks U4<_____>

Ore Minerals C30<_____>

Gangue Minerals K4<_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 40

Alteration N75<

>

Reductants U5<

>

Analytical Data (General) C43<

>

Radiometric Data (General) U6<
(No. times background and dimensions)

>

Ore Controls K5<

>

Deposit Class C40<EPIGENETIC SANDSTONE ?)> Class No. U7<240>

Comments on Geology N85<

>

URANIUM-OCCURRENCE

REPORT

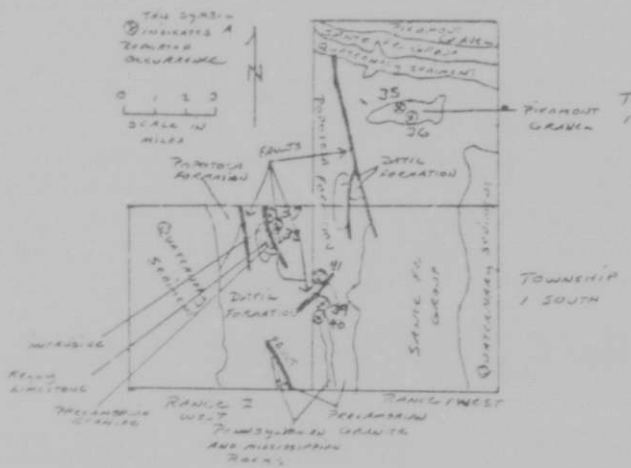
Quad Name SOCORRO

Deposit No. 40

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<MONTHLY REPORT 5-55, AEC DEM DEB P. 22

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 40_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 41>

Deposit Name A10<SAN LORENZO NO. 1>

Synonym Name(s) A11<>

District or Area A30<SAN LORENZO DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<4 TO 5 MILES WEST OF SAN ACACIA NEW MEXICO>

Field Checked G1<7807> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-13-20N> (Dg Mn Sc) Longitude A80<106-59-00W> (Dg Mn Sc)

Township A77<001S> (N/S) Range A78<001W> (E/W) Section A79<18>

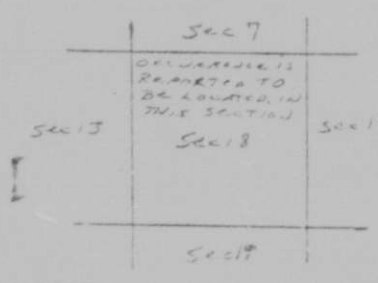
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

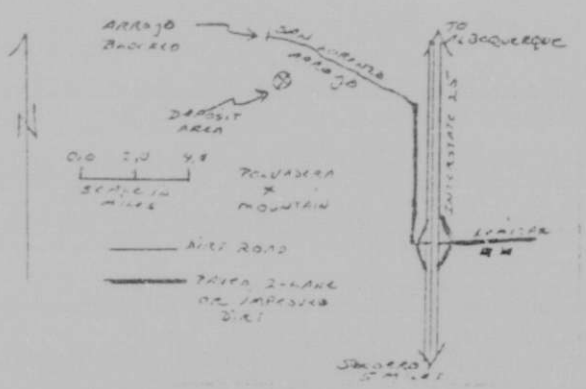
Quad Scale A91<24000 > Quad Name A92<LEMITAR>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED 7/28/79>

Location Sketch Map:





URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 41_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<4>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UACC> G7A< 0> G7B<LB> G7C<_____> G7D<0.02 ____% U308>

Source of Information D9<HARLEN HOLEN D.O.E._____
_____>

Production Comments D10<_____
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 41

Deposit Form/Shape M10< FAULT ZONE >

		FT/M	
Length	M40< >	M41< >	Size M15 (circle letter)
Width	M50< >	M51< >	lb U308
Thickness	M60< >	M61< >	A 0-20,000
			B 20,000-200,000
Strike	M70< >		C 200,000-2,000,000
			D 2million - 20million
Dip	M80< >		E More than 20million

Tectonic Setting N15<MOBILE BELT >

Major Regional Structures N5<DEPOSIT AREA LIES JUST WEST OF THE RIO GRANDE TROUGH >

Local Structures N70< >

Host-FM. Name U1< > Member U2< >

Host Rock K1<LIMESTONES, ANDESITES, AND BASALTS >
(Age) (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<MINERALIZED FAULT ZONE >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4< >

Ore Minerals C30< >

Gangue Minerals K4< >

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 41

Alteration N75<

Reductants U5<

Analytical Data (General) C43<

Radiometric Data (General) U6<
(No. times background and dimensions)

Ore Controls K5<PROBABLY STRUCTURAL AND CHEMICAL AS DEPOSIT IS REPORTED TO BE A MINERALIZED FAULT ZONE>

Deposit Class C40<VOLCANOGENIC> Class No. U7<500>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

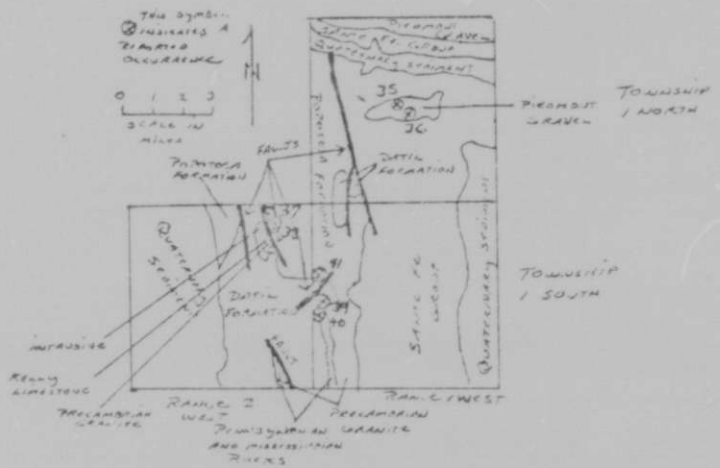
Quad Name SOCORRO_____

Deposit No. 41_____

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PROPERTY CARD, 10/64; RECON. OF THE WHITE SIGNAL, BLACKHAWK AND SAN LORENZO DISTRICTS, NEW MEXICO, BY KEITH, APRIL 1945, UMDC REPORT.>

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 41

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 42>

Deposit Name A10<CARTER TOLLIVER COOK>

Synonym Name(s) A11<>

District or Area A30<LEMITAR AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<FROM THE LEMITAR EXIT ON I-25 GO NORTH ON A PAVED ROAD WEST OF I-25 FOR 0.7 MILES, TURN LEFT THROUGH GATE FOR 0.2 MILES, TURN LEFT FOR 0.5 MILES, GO RIGHT 1.5 MILES TO A GATE, GO THROUGH THE GATE AND CONTINUE 0.7 MILES TO THE DEPOSIT. (ON)*

Field Checked G1<7807> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-09-50N> (Dg Mn Sc) Longitude A80<106-58-50W> (Dg Mn Sc)

Township A77<002S> (N/S) Range A78<001W> (E/W) Section A79< 6>

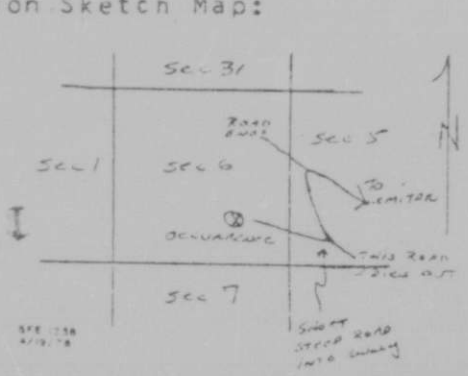
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5700 FT>

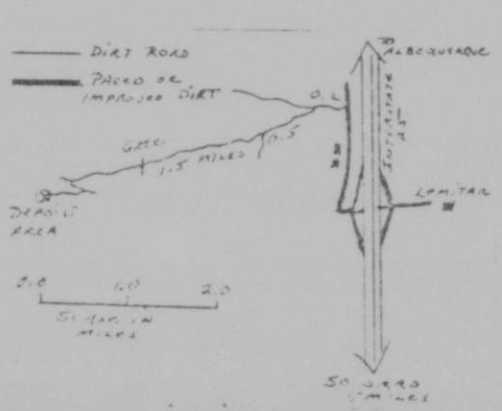
Quad Scale A91<24000 > Quad Name A92<LEMITAR>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<>

Location Sketch Map:





URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 42_____

Commodities Present:
C10<U___TH_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<CLAIM STAKED 1954_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<1 ADIT, 1 OPEN CUT, NUMEROUS PROSPECT____

PITS IN AREA_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 42_____

Deposit Form/Shape M10< RADIOACTIVE DIKE_____>

			FT/M	
Length	M40<_____>	M41<__>		Size M15 (circle letter)
Width	M50< 2>	M51<M >		lb U308
Thickness	M60<_____>	M61<__>	A	0-20,000
			B	20,000-200,000
Strike	M70<N 50 DEG W_____>		C	200,000-2,000,000
			D	2million - 20million
Dip	M80<_____>		E	More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<LOCATED ALONG THE MARGIN OF THE RIO_____

GRANDE TROUGH, THE SOCORRO FAULT RUNS THROUGH THE AREA_____>

Local Structures N70<INTRUSIVES IN THE AREA ARE CUT BY DIKES_____

_____>

Host-FM. Name U1<UNNAMED_____> Member U2<_____>

Host Rock K1<PREC(?) MAFIC DIKES IN THE LEMITAR STOCK_____
(Age) (Rock type, texture, composition,

color, alteration, attitude, geometry, structure, etc.)

_____>

Host-Rock Environment U3<_____
(Sed. dep. environ., metamorphic facies,

_____>

ign. environ.)

Comments on

Associated Rocks U4<_____

_____

_____>

Ore Minerals C30<_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 42

Alteration N75<

Reductants U5<

Analytical Data (General) C43<

Radiometric Data (General) U6<BACKGROUND = 100 CPS. 18 X BACKGROUND
(No. times background and dimensions)
OVER DIKE>

Ore Controls K5<LITHOLOGIC AS ANAMOLOUS MATERIAL IS LIMITED TO THE
DIKES>

Deposit Class C40<MAGMATIC HYDROTHERMAL> Class No. U7<330>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

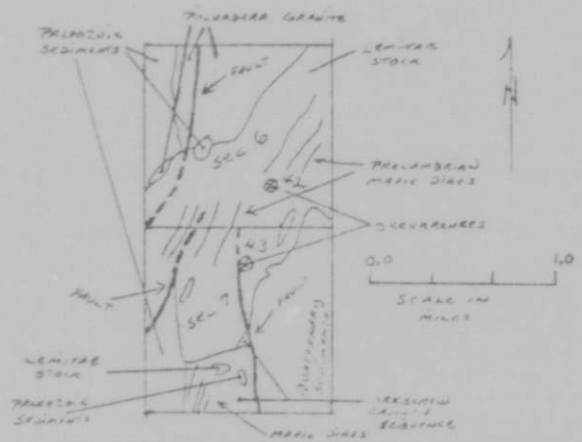
Quad Name SOCORRO

Deposit No. 42

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 001	altered basic igneous rock	26.80 ppm U
MDQ 002	diabase	2.32 ppm U
MDQ 103	diabase(?) dike rock	33.00 ppm U
MDQ 151	drill cuttings from diabase(?) dike	394.00 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RRA 1410 OPEN-FILED.

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 42

Continuation from p. 1-5

Label

A82<THE LAST STRETCH THE ROAD GOES SOUTH FOR ABOUT 0.3 MILES THEN TURNS DOWN AN EMBANKMENT AND GOES WEST TO THE DEPOSIT)>

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO_____>

Quad Scale A100< 250000>

Deposit No. B40< 43>

Deposit Name A10<VULCAN CLAIMS_____>

Synonym Name(s) A11<_____

District or Area A30<LEMITAR AREA_____>

Country A40<US> US State NEW MEXICO_____

State Code A50<35> 35 County A60<SOCORRO_____>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 2.5 MILES S 19 DEG E OF POLVADERA MOUNTAIN_____>

Field Checked G1<7907> By G2<HANNIGAN, BRIAN J._____>
YrMo Last Name First Initial

Latitude A70<34-09-20N> Longitude A80<106-59-00W>
Dg Mn Sc Dg Mn Sc

Township A77<002S> Range A78<001W> Section A79< 7>
N/S E/W

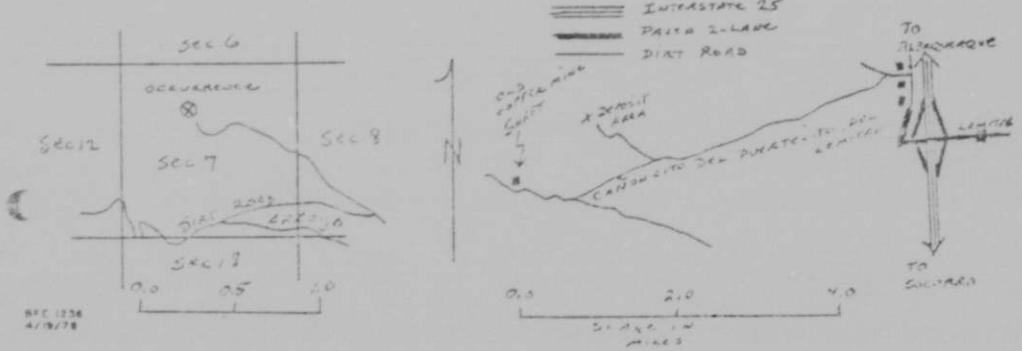
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN_> Altitude A107<5800 FT___>

Quad Scale A91<24000 > Quad Name A92<LEMITAR_____>

Physiographic Province A63<12 BASIN AND RANGE_____>
(List K)

Location Comments A83<THE CLAIMS ARE LOCATED UP A DRY CREEK BED FROM__ SOME WORKINGS AT THE MOUTH OF THE CANYON_____>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 43_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<THE 1978 ASSESSMENT HAS__

BEEN POSTED_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<SEVERAL DRILL HOLES 10 FT IN DEPTH_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 43_____

Deposit Form/Shape M10< INCLUSION OF METASEDIMENT_____>

FT/M

Length M40<_____> M41<__>

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<_____>

Dip M80<_____>

Size M15 (circle letter)

lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<DEPOSIT IS LOCATED ON THE WESTERN MARGIN_

OF THE RIO GRANDE TROUGH, THE SOCORRO FAULT RUNS EAST OF THE DEPOSIT_>

Local Structures N70<_____

_____>

Host-FM. Name U1<UNNAMED UNIT_____> Member U2<_____>

Host Rock K1<PREC INCLUSIONS OF METASEDIMENT IN METAMORPHIC ROCK
(Age) (Rock type, texture, composition,

_____
color, alteration, attitude, geometry, structure, etc.)
_____>

Host-Rock Environment U3<INCLUSIONS OF METASEDIMENTS_____
(Sed. dep. environ., metamorphic facies,

_____>
ign. environ.)

Comments on
Associated Rocks U4<_____

_____

_____>

Ore Minerals C30<_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 43

Alteration N75<

Reductants U5<

Analytical Data (General) C43<

Radiometric Data (General) U6<BACKGROUND = 100. 12 X BACKGROUND AT
(No. times background and dimensions)
HIGHEST ANAMOLOUS READINGS. 4-8 X BACKGROUND OVER INCLUSIONS>

Ore Controls K5<LITHOLOGIC AS ANOMOLOUS MATERIAL IS LIMITED TO
INCLUSIONS OF METASEDIMENT>

Deposit Class C40<MAGMATIC-HYDROTHERMAL(?)> Class No. U7<330>

Comments on Geology N65<

URANIUM-OCCURRENCE

REPORT

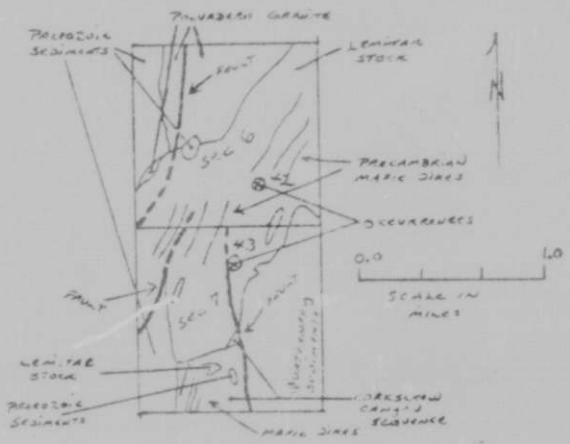
Quad Name SOCORRO

Deposit No. 43

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 147	metasediment	32.7 ppm U
MDQ 150	replicate split of MDQ 147	31.0 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<THIS REPORT

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 43_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 44>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<>

District or Area A30<SOCORRO>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<FROM THE JUNCTION OF U.S. ROUTE 60 WITH INTERSTATE 25 BUSINESS LOOP, GO 4.1 MILES WEST TURN RIGHT FOR 1 MILE TO DEPOSIT>

Field Checked G1<7806> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-01-30N> (Dg Mn Sc) Longitude A80<106-56-30W> (Dg Mn Sc)

Township A77<003S> (N/S) Range A78<001W> (E/W) Section A79<28>

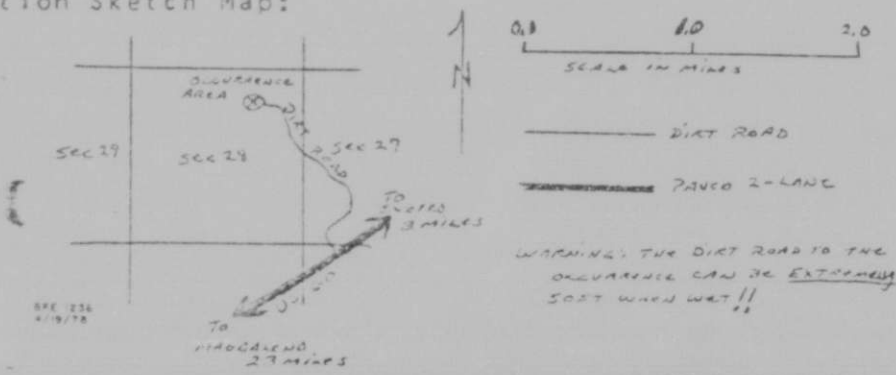
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5300 FT>

Quad Scale A91<24000 > Quad Name A92<SOCORRO>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 44_____

Commodities Present:
C10<PER_U_____>
Commodities Produced:
MAJOR<PER_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<PER_____> OCCUR<_____>

Commodity Comments C50<NO URANIUM MINERALIZATION PRESENT IN AREA_____

_____>

Status of Exploration and Development A20<4>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<THIS IS A PRODUCING_____

PERLITE MINE (GREFCO PERLITE)_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<2 SHAFTS AND SOME SURFACE WORKINGS_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 44_____

Deposit Form/Shape M10< POCKETS OF PERLITE EXTENT UNKNOWN_____>

		FT/M		Size M15 (circle letter)
Length	M40<_____>	M41<__>		Lb U308
Width	M50<_____>	M51<__>		
Thickness	M60<_____>	M61<__>	A	0-20,000
			B	20,000-200,000
Strike	M70<_____>		C	200,000-2,000,000
			D	2million - 20million
Dip	M80<_____>		E	More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<VOLCANICS IN TERTIARY SEDIMENTS EAST OF__

THE SOCORRO MOUNTAINS. THE DEPOSIT AREA LIES JUST EAST OF THE_____>*

Local Structures N70<SOME FAULTING IN THE AREA, LAVA FLOWS CAP THESE__

DEPOSITS_____>

Host-FM. Name U1<SANTA FE GROUP_____> Member U2<_____>

Host Rock K1<QUAT PERLITE FINE GRAINED, WHITE IN POCKETS_____
(Age) (Rock type, texture, composition,

ATTITUDE ETC UNKNOWN_____>
color, alteration, attitude, geometry, structure, etc.)

_____>

Host-Rock Environment U3<IGNEOUS VOLCANICS_____
(Sed. dep. environ., metamorphic facies,

_____>
ign. environ.)

Comments on

Associated Rocks U4<ASSOCIATED WITH THE PERLITE IS A DOME OF LIGHT____

GREY INDURATED PUMICE WITH THE SAME ANAMOLOUS READING_____>

_____>

Ore Minerals C30<PERLITE_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 44

Alteration N75<

Reductants U5<

Analytical Data (General) C43<

Radiometric Data (General) U6<BACKGROUND = 120 CPS. 1.5 X BACKGROUND_
(No. times background and dimensions)
OVER DEPOSIT AREA (APPROXIMATELY 700 M SQUARED>

Ore Controls K5<PROBABLY LITHOLOGIC AND CHEMICAL. RADIOACTIVE
MINERALIZATION IS REPORTEDLY IN PUMICE, HOWEVER PERLITE GAVE SAME
SLIGHTLY ANAMOLOUS READINGS. THE PERLITE IS LIMITED TO POCKETS>

Deposit Class C40<PNEUMATOGENIC> Class No. U7<520>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 44

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1<AEC RAW MATERIAL EVALUATION REPORT 1054

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 44

Continuation from p. 1-5

Label

N5<SOCORRO FAULT>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 45>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<>

District or Area A30<SOCORRO AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 3.4 MILES DUE EAST OF THE SOUTHERN SOCORRO CITY BOUNDARY>

Field Checked G1<7907> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-03-00N> (Dg Mn Sc) Longitude A80<106-48-10W> (Dg Mn Sc)

Township A77<003S> (N/S) Range A78<001E> (E/W) Section A79<14>

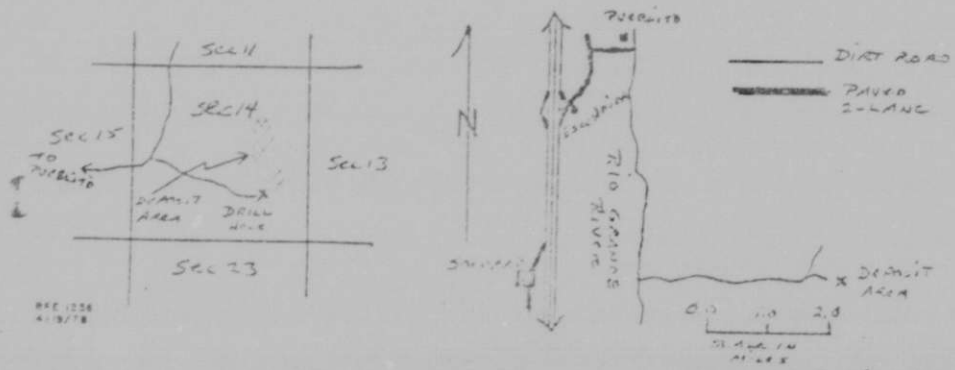
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5020 FT>

Quad Scale A91< 24000> Quad Name A92<LOMA DE LA CANAS>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<ACCESS DENIED BY DRILLER>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 45_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<AREA IS BEING DRILLED AT_

PRESENT_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<SEVERAL HOLES ARE REPORTED TO HAVE BEEN__

DRILLED IN THE AREA_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 45_____

Deposit Form/Shape M10<_____>

FT/M

Length M40<_____> M41<__>

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<_____>

Dip M80<_____>

Size M15 (circle letter)

lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<DEPOSIT IS LOCATED JUST EAST OF THE RIO__

GRANDE TROUGH ON THE WESTERN EDGE OF THE JOYITA UPLIFT_____>

Local Structures N70<_____

_____>

Host-FM. Name U1<UNNAMED_____> Member U2<_____>

Host Rock K1<PREC PRECAMBRIAN INTRUSIVES, PEGMATITES, GRANITES,_
(Age) (Rock type, texture, composition,
GNEISSES, AND SCHIST ARE PRESENT IN REGION_____>
color, alteration, attitude, geometry, structure, etc.)

_____>

Host-Rock Environment U3<_____
(Sed. dep. environ., metamorphic facies,

_____>
ign. environ.)

Comments on
Associated Rocks U4<_____

_____

_____>

Ore Minerals C30<_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 45

Alteration N75<

Reductants U5<

Analytical Data (General) C43<

Radiometric Data (General) U6<2 OR 3 X BACKGROUND
(No. times background and dimensions)

Ore Controls K5<

Deposit Class C40<MAGMATIC HYDROTHERMAL> Class No. U7<330>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

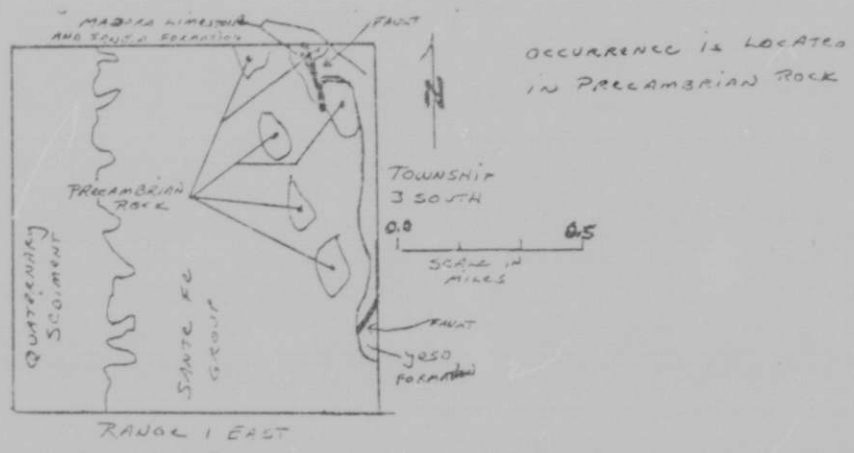
Quad Name SOCORRO

Deposit No. 45

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<ATOMIC ENERGY COMMISSION, RAW MATERIALS EVALUATION REPORT-1054

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 45

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 46>

Deposit Name A10<MINAS DEL CHUPADERO>

Synonym Name(s) A11<THE DUKE THE DUCHESS, TEXAS NO. 1, TEXAS NO. 2>

District or Area A30<>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<4.5 MILES EAST OF SOCORRO CITY>

BOUNDARY>

Field Checked G1<7901> By G2<HAMMOND, DAVID J.>
YrMo Last Name First Initial

Latitude A70<34-06-40N> Longitude A80<106-48-50W>
Dg Mn Sc Dg Mn Sc

Township A77<002S> Range A78<001E> Section A79<26>
N/S E/W

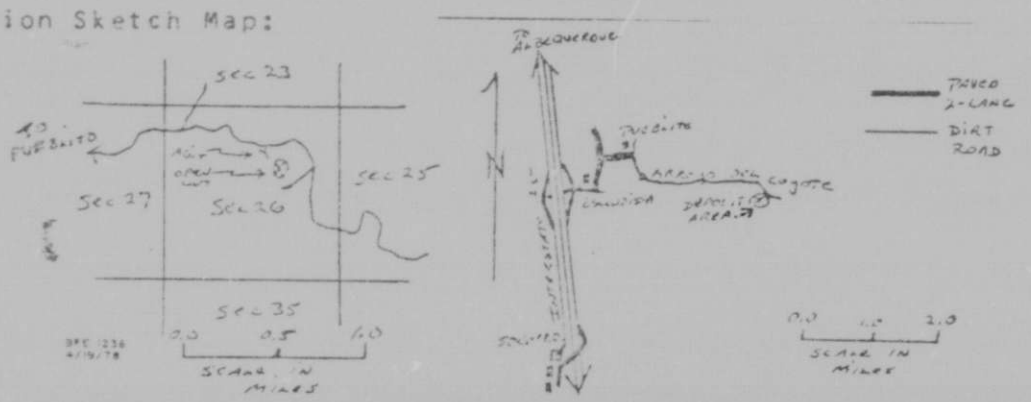
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

Quad Scale A91<24000 > Quad Name A92<LOMA DE LA CANAS>

Physiographic Province A63<12 BASIN AND RANGE>
(List K)

Location Comments A83<>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 46_____

Commodities Present:
C10<CU__U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<AZURITE AND MALACHITE PRESENT IN LARGE AMOUNTS,

SMALL AMOUNT OF RADIOACTIVE FLOAT_____>

Status of Exploration and Development A20<2>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<PROPERTY LEASED BY NEW___

MEXICO TECH. (SOCORRO) FOR METALLURGICAL SOURCES, PRESENTLY BEING___>*

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<OPEN CUT ON SIDE OF SMALL HILL ABOUT 200_

METERS LONG, 10 METERS HIGH, 1 SHORT ADIT_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UEST> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 46

Deposit Form/Shape M10<

		FT/M	
Length	M40<	M41<	Size M15 (circle letter)
Width	M50<	M51<	lb U3O8
Thickness	M60<	M61<	A 0-20,000
			B 20,000-200,000
Strike	M70<N 35 DEG W		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<10 DEG NE		E More than 20million

Tectonic Setting N15<

Major Regional Structures N5<DEPOSIT IS 4.5 MILES EAST OF RIO GRANDE TROUGH

Local Structures N70<MAINLY FLAT LYING BEDS WITH SOME FAULTING RELATED TO DEPOSIT

Host-FM. Name U1<MADERA LIMESTONE> Member U2<

Host Rock K1<PENN (Age) LIMESTONE, FINE GRAINED, GRAY COLOR, FLAT LYING, SILTSTONE BEDS BELOW, FINE GRAINED, YELLOW OR TAN (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<SEDIMENTARY, MARGINAL MARINE (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<

Ore Minerals C30<UNIDENTIFIED RADIOACTIVE MINERALS IN LIMESTONE, NO COLOR EVIDENT

Gangue Minerals K4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 46_____

Alteration N75<NONE OBSERVED_____

Reductants U5<NONE_____

Analytical Data (General) C43<_____

Radiometric Data (General) U6<BACKGROUND = 50 BACKGROUND X 24 IN_____
(No. times background and dimensions)

FLOAT_____>

Ore Controls K5<CHEMICAL(?)_____

Deposit Class C40<VEIN-TYPE DEPOSIT IN SED. ROCKS__> Class No. U7<730>

Comments on Geology N85<N 20 E FAULT JUST SE OF THE DEPOSIT PROBABLY__
ALLOWED ACCESS OF HYDROTHERMAL COPPER-URANIUM SOLUTIONS. MANTO_____
DEPOSIT FORMED ON EITHER SIDE OF FAULT TO UNKNOWN DISTANCES OUTWARDS__
FROM FAULT. ORGANIC MATERIAL IN BLACK SHALE FOUND INTERBEDDED WITH___
THE LIMESTONE MAY HAVE BEEN THE REDUCTANT_____>

URANIUM-OCCURRENCE

REPORT

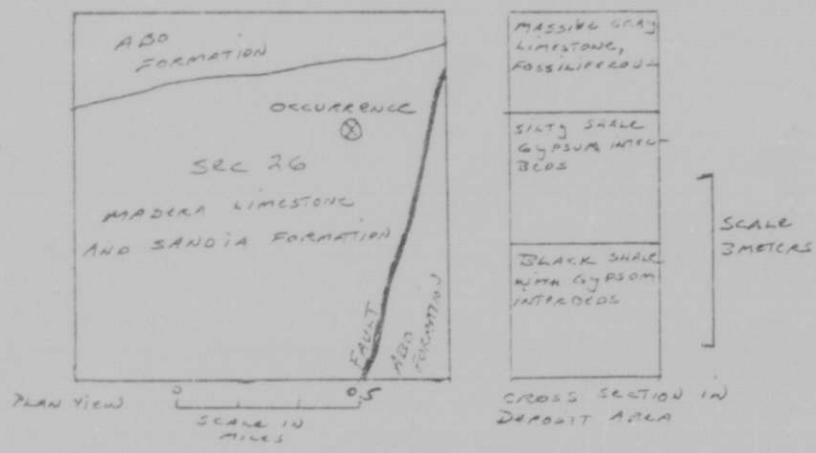
Quad Name SOCORRO

Deposit No. 46

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 126	radioactive limestone float	3000.0 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RRA 1148 OPEN-FILED

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 46

Continuation from p. 1-5

Label

L110<MINED BY RANGER MINERALS CO.>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No..B40< 47>

Deposit Name A10<LUCKY DON>

Synonym Name(s) A11<BONANZA>

District or Area A30<JOYITA HILLS AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<10 MILES EAST OF SOCORRO CITY>

BOUNDARY>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-05-55N> (Dg Mn Sc) Longitude A80<106-42-00W> (Dg Mn Sc)

Township A77<002S> (N/S) Range A78<002E> (E/W) Section A79<35>

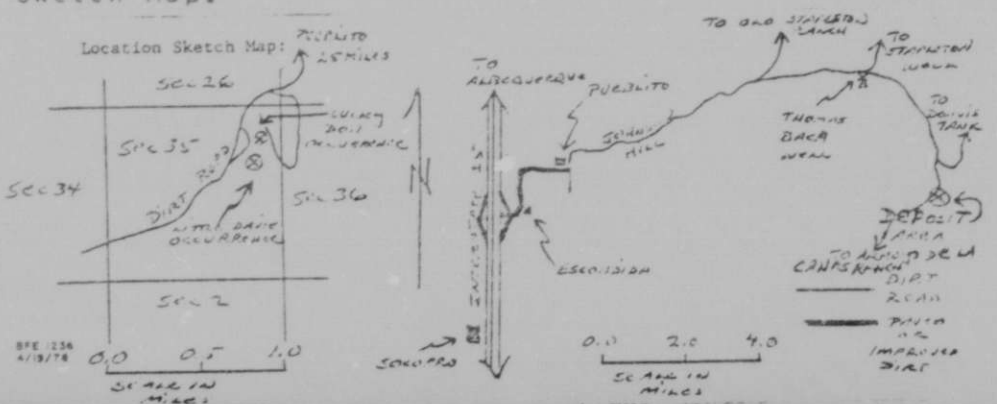
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6100 FT>

Quad Scale A91<24000 > Quad Name A92<BUSTOS WELL>

Physiographic Province A63<12 BASIN AND RANGE (List K)>

Location Comments A83<>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 47_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<U_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<4>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<6 SHORT ADITS AND SURFACE EXCAVATION_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UACC> G7A< 4> G7B<LB> G7C<_____> G7D<0.22 ____% U308>

Source of Information D9<HARLEN HOLEN D.O.E._____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 47

Deposit Form/Shape M10< FRACTURE COATINGS>

		FT/M	
Length	M40<>	M41<>	Size M15 (circle letter)
Width	M50<>	M51<>	lb U3O8
Thickness	M60<>	M61<>	-A- 0-20,000
			B 20,000-200,000
Strike	M70<N 20 DEG W>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<10 DEG NE>		E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT LIES JUST EAST OF THE RIO GRANDE TROUGH IN THE JOYITA UPLIFT>

Local Structures N70<N-S FAULT>

Host-FM. Name U1<SAN ANDRES LS.> Member U2<>

Host Rock K1<PERM (Age) LIMESTONE CALCIUM CARB GREY SILICIFICATION AND IRON OXIDES PRESENT IN PLACES. FRACTURE ZONE TRENDS N-S. PROMINENT JOINTING TRENDING E-W IN VICINITY OF ORE> (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<MARINE (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<MINOR DARK SHALE INTERBEDS ARE PRESENT ABOVE DEPOSIT>

Ore Minerals C30<UNKNOWN YELLOW RADIOACTIVE MINERAL PRESENT>

Gangue Minerals K4<QUARTZ, GOETHITE>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 47

Alteration N75<SILICIFICATION PRESENT IN DEPOSIT AREA ___ >

Reductants U5< ___ >

Analytical Data (General) C43< ___ >

Radiometric Data (General) U6<BACKGROUND = 50 CPS. 200 X BACKGROUND
(No. times background and dimensions)
OVER A 0.1 X 0.1 M AREA ___ >

Ore Controls K5<STRUCTURAL AND CHEMICAL AS DEPOSIT FOLLOWS A FAULT AND IS DEPOSITED AS FRACTURE COATINGS IN LIMESTONE. ___ >

Deposit Class C40<VEIN TYPE DEPOSITS IN SED. ROCKS_> Class No. U7<730>

Comments on Geology N85< ___ >

URANIUM-OCCURRENCE

REPORT

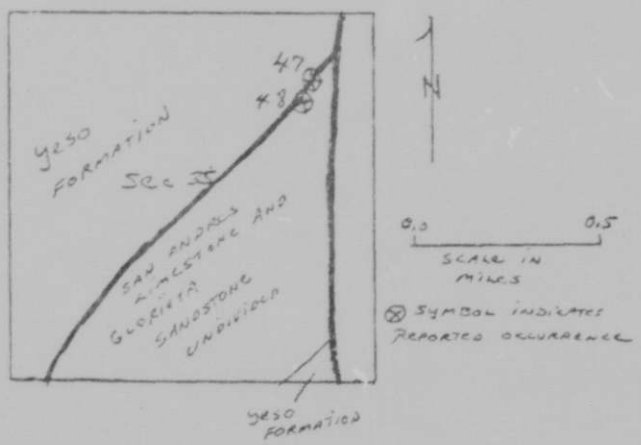
Quad Name SOCORRO

Deposit No. 47

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 127	mineralized limestone	66.6 ppm U
MDQ 144	mineralized limestone	16,300.0 ppm U
MDQ 145	mineralized limestone	155.0 ppm U
MDQ 149	replicate split of MDQ 144	8,770 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.>

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 47_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO_____>

Quad Scale A100< 250000>

Deposit No. B40< 48>

Deposit Name A10<LITTLE DAVIE CLAIM_____>

Synonym Name(s) A11<_____

District or Area A30<JOYITA UPLIFT AREA_____>

Country A40<US> US State NEW MEXICO_____

State Code A50<35> 35 County A60<SOCORRO_____>

Position from Prominent Locality A82<LOCATED 1200 FT SOUTH OF_____

OCCURRENCE 47, THE LUCKY DON_____>

Field Checked G1<7901> By G2<HANNIGAN, BRIAN J._____>
YrMo Last Name First Initial

Latitude A70<34-05-50N> Longitude A80<106-42-00W>
Dg Mn Sc Dg Mn Sc

Township A77<002S> Range A78<002E> Section A79<35>
N/S E/W

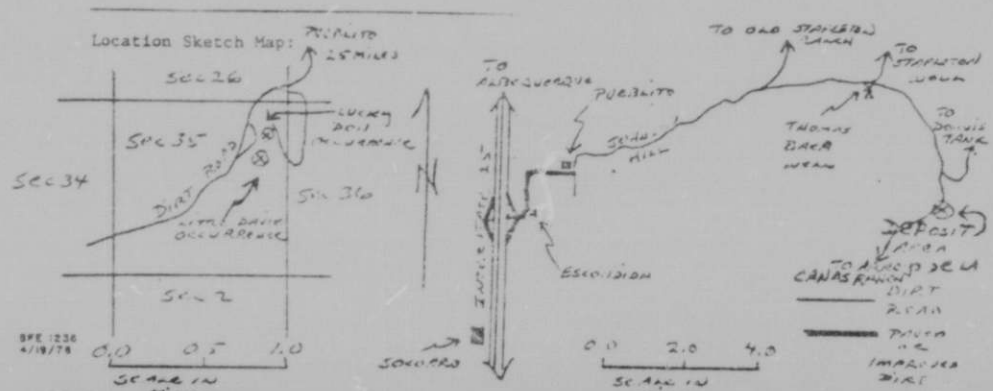
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN_> Altitude A107<6100 FT___>

Quad Scale A91<24000 > Quad Name A92<BUSTOS WELL_____>

Physiographic Province A63<12 BASIN AND RANGE_____>
(List K)

Location Comments A83<_____

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 48_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<4>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<1 SHORT ADIT_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UACC> G7A< 0> G7B<LB> G7C<_____> G7D<0.0 ____% U308>

Source of Information D9<HARLEN HOLEN D.O.E._____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 46

Deposit Form/Shape M10< FRACTURE COATINGS >

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U3O8
Thickness	M60<_____>	M61<__>	-A- 0-20,000
			B 20,000-200,000
Strike	M70<N 20 DEG W_____>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<10 DEG NE_____>		E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT LIES JUST EAST OF THE RIO GRANDE TROUGH IN THE JOYITA UPLIFT>

Local Structures N70<FRACTURE ZONE RELATED TO NORTH TRENDING FAULT>

Host-FM. Name U1<SAN ANDRES LS> Member U2<>

Host Rock K1<PERM (Age) LIMESTONE, FINE GRAINED, GREY, FRACTURE ZONE (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.) TRENDS NORTH-SOUTH PROMINENT JOINTING TRENDING EAST WEST IN VICINITY OF ORE>

Host-Rock Environment U3<MARINE (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<MINOR DARK SHALE INTERBEDS ARE PRESENT ABOVE DEPOSIT>

Ore Minerals C30<YELLOW URANIUM MINERALS>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 48_____

Alteration N75<SILICIFICATION IS PRESENT IN DEPOSIT AREA_____

Reductants U5<_____

Analytical Data (General) C43<_____

Radiometric Data (General) U6<BACKGROUND = 50 CPS 4 X BACKGROUND IN__
(No. times background and dimensions)
DEPOSIT AREA_____

Ore Controls K5<CHEMICAL AND STRUCTURAL AS DEPOSIT IS DEPOSITED AS____
FRACTURE COATINGS IN LIMESTONE ALONG A FAULT_____

Deposit Class C40<VEIN TYPE DEPOSITS IN SED. ROCKS_> Class No. U7<730>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

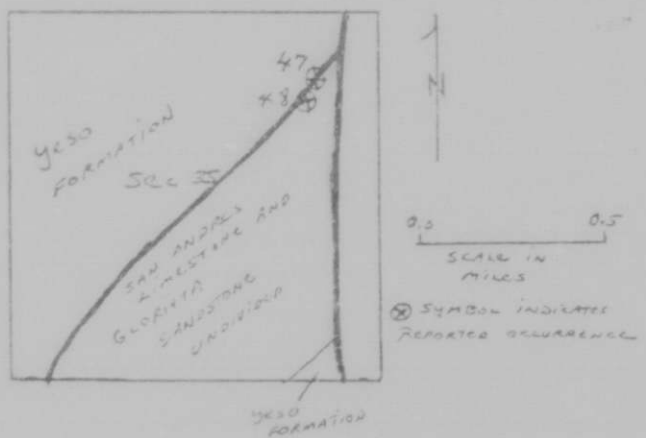
Quad Name SOCORRO

Deposit No. 48

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.>

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 48_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 49>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<>

District or Area A30<JOYITA HILLS>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<FROM EAST CITY LIMITS OF LA JOYA, TURN SOUTH AND THEN EAST IMMEDIATELY, CROSSING ARROYO LOS ALAMOS. FOLLOW ROAD FOR 3.6 MILES, PARALLELING THE GAME REFUGE FENCE. AT 3.6 MILES THE ROAD SWINGS WEST AND INTERSECTS ANOTHER ROAD COMING FROM>*

Field Checked G1<7807> (YrMo) By G2<CONDON, STEVEN M.> (Last Name, First Initial)

Latitude A70<34-17-30N> (Dg Mn Sc) Longitude A80<106-48-45W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<001E> (E/W) Section A79<23>

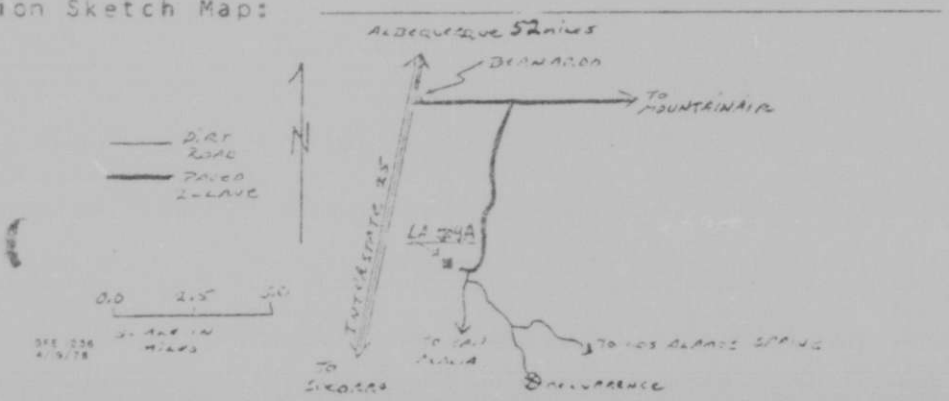
Meridian A81<NEW MEXICO> Altitude A107<5050 FT>

Quad Scale A91<24000 > Quad Name A92<LA JOYA>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<QUAD IS UNSURVEYED. LOCATION IS NEAR CENTER OF SEVILLETA GRANT>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 49_____

Commodities Present:
C10<U___QTZ_FLD_MIC_SHL_PB__BA__>
Commodities Produced:
MAJOR<PB_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<GALENA WAS ONLY ORE MINERAL_____

_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<WORK DONE IN 1915 ON SOME

NORTHERN PITS, CONCENTRATING PLANT SET UP BUT ABANDONED_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<SHALLOW INCLINED SHAFTS ON NORTH AND_____

WEST. SHALLOW PITS ON SE SIDE OF GULLY_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 49

Deposit Form/Shape M10< LINEAR, ALONG CONTACT BETWEEN GRANITE AND >*

Length M40< 70> M41<FT/M > Size M15 (circle letter)

Width M50< 12> M51<M > lb U308

Thickness M60< UNKNOWN> Mo1<__>

Strike M70<N 20 E> A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Dip M80<30-35 DEG NW>

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<BLOCK-FAULTED MOUNTAINS SEPARATED BY SEDIMENT-FILLED BASINS; ON EASTERN EDGE OF RIO GRANDE TROUGH>

Local Structures N70<CENTRAL GRANITE MASS BORDERED BY SEDIMENTARY BEDS DIPPING AWAY FROM IT; DIP LESSENING AWAY FROM GRANITE. SEDIMENTARY>*

Host-FM. Name U1<MADERA GROUP(?)> Member U2<>

Host Rock K1<PREC (Age) GRANITE, MEDIUM-GRAINED, QUARTZ, FELDSPAR, MICA, LIGHT-COLORED. IRREGULAR INTRUSION. (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)>

Host-Rock Environment U3<FAULTED AND FRACTURED QUARTZITE OF THE MADERA GROUP(?) (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<SEQUENCE OF ROCKS FROM EAST TO WEST IS GRANITE, QUARTZITE, SHALE, SANDSTONE, LIMESTONE>

Ore Minerals C30<GALENA (?) SPECULAR HEMATITE>

Gangue Minerals K4<QUARTZ, BARITE, JAROSITE>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 49

Alteration N75<NONE NOTED

Reductants U5<NONE NOTED

Analytical Data (General) C43<

Radiometric Data (General) U6<3 X BACKGROUND (200 FT X 70 FT)
(No. times background and dimensions)

Ore Controls K5<FAULTING AND FRACTURING

Deposit Class C40<MAGMATIC-HYDROTHERMAL> Class No. U7<330>

Comments on Geology N85<

URANIUM-OCCURRENCE REPORT

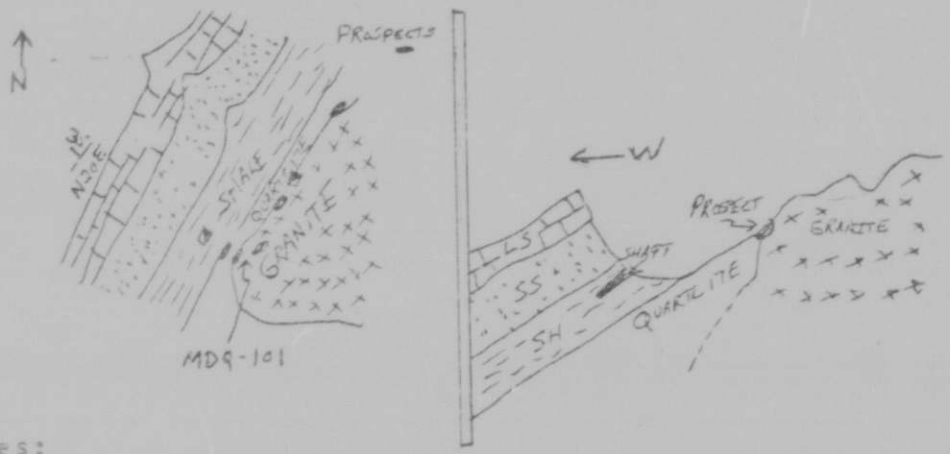
Quad Name SOCORRO

Deposit No. 49

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 014	shale/siltstone	3.24 ppm U
MDQ 015	radioactive quartzite	183.00 ppm U
MDQ 101	granite	8.94 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB-RRA 1159, BY G. E. COLLINS AND W. S. MALLORY, 12-1953>

F2<>

F3<>

F4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 49

Continuation from p. 1-5

Label

A82<THE EAST. TURN LEFT ON THIS ROAD AND FOLLOW TO ITS END. CROSS
THE GAME REFUGE FENCE AND FOLLOW DIRT TRACK TO THE PROSPECTS.>

M10<QUARTZITE>

N70<ROCKS FAULTED.>

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 50>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<>

District or Area A30<JOYITA HILLS AREA>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<5 MILES S 55 E OF LA JOYA

Field Checked G1<7907> By G2<HANNIGAN, BRIAN J.>
YrMo Last Name First Initial

Latitude A70<34-16-00N> Longitude A80<106-46-30W>
Dg Mn Sc Dg Mn Sc

Township A77<001N> Range A78<002E> Section A79<31>
N/S E/W

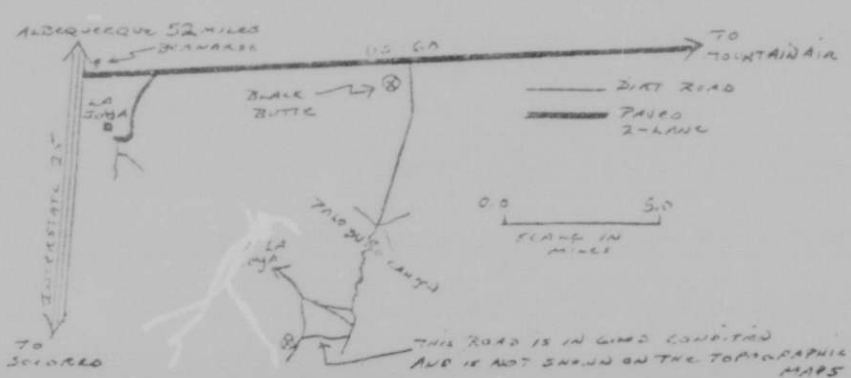
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5200 FT>

Quad Scale A91< 24000> Quad Name A92<LA JOYA>

Physiographic Province A63<12 BASIN AND RANGE>
(List K)

Location Comments A83<ACCESS MUST BE OBTAINED FROM THE BOSQUE DEL APACHE GAME REFUGE DEPOSIT AREA WAS LOCATED HOWEVER EXACT LOCATION OF OCCURRENCE MENTIONED IN LITERATURE IS UNCERTAIN>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 50_____

Commodities Present:
C10<U___CU_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<1>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<NO WORKINGS COULD BE FOUND_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 50

Deposit Form/Shape M10<>

		FT/M	
Length	M40<>	M41<>	Size M15 (circle letter)
Width	M50<>	M51<>	lb U308
Thickness	M60<>	M61<>	A 0-20,000
			B 20,000-200,000
Strike	M70<>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<>		E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT IS ON THE NORTHWESTERN EDGE OF THE JOYITA HILLS JUST EAST OF THE RIO GRANDE TROUGH>

Local Structures N70<>

Host-FM. Name U1<UNNAMED> Member U2<>

Host Rock K1<PREC (Age) PRECAMBRIAN INTRUSIVES PEGMATITES, GRANITES, (Rock type, texture, composition, GNEISSES AND SCHISTS ARE PRESENT IN REGION> color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<INTRUSIVE (Sed. dep. environ., metamorphic facies, igr. environ.)

Comments on Associated Rocks U4<>

Ore Minerals C30<SECONDARY COPPER MINERALS>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 50_____

Alteration N75<_____

_____

_____>

Reductants U5<_____

_____

_____>

Analytical Data (General) C43<_____

_____

_____

_____>

Radiometric Data (General) U6<3-4 X BACKGROUND OVER DEPOSIT AREA_____
(No. times background and dimensions)

_____

_____

_____>

Ore Controls K5<_____

_____

_____

_____

_____

_____>

Deposit Class C40<MAGMATIC HYDROTHERMAL_____> Class No. U7<330>

Comments on Geology N85<_____

_____

_____

_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

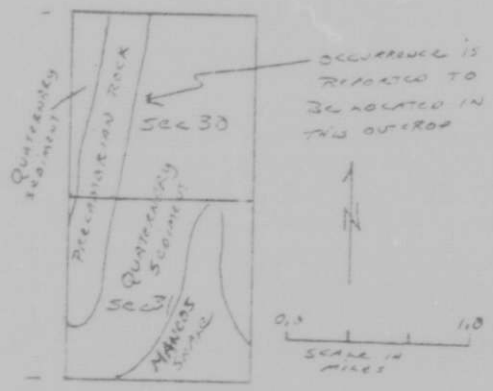
Quad Name SOCORRO

Deposit No. 50

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<ATOMIC ENERGY COMMISSION, MATERIALS EVALUATION REPORT-1054

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 50

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 51>

Deposit Name A10<T. D. CAMBELL>

Synonym Name(s) A11<>

District or Area A30<>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT AREA IS 9.6 MILES SOUTH OF BLACK BUTTE>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-17-24N> (Dg Mn Sc) Longitude A80<106-43-24W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<002E> (E/W) Section A79<22>

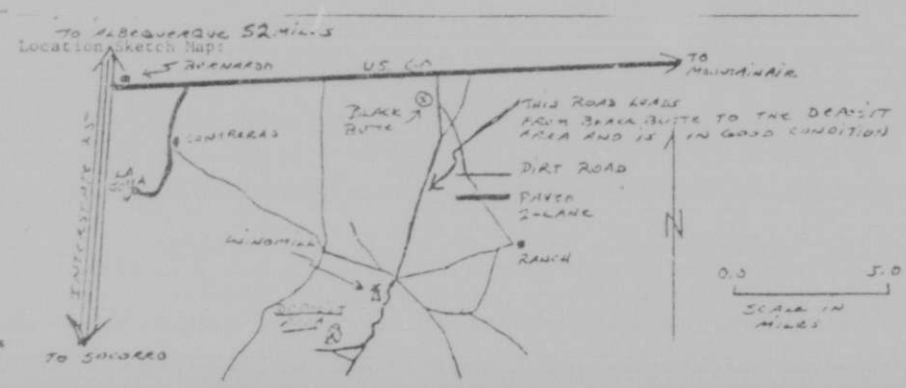
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

Quad Scale A91<24000 > Quad Name A92<BECKER SW>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 1/3/79>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 51_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<1>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 51

Deposit Form/Shape M10< >

			FT/M		
Length	M40<	300>	M41<FT>	Size M15 (circle letter)	
Width	M50<	>	M51< >		lb U308
Thickness	M60<	20>	M61<FT>	A	0-20,000
				B	20,000-200,000
Strike	M70<NE	>		C	200,000-2,000,000
				D	2million - 20million
Dip	M80<10 DEG SE	>		E	More than 20million

Tectonic Setting N15<>

Major Regional Structures N5<DEPOSIT IS LOCATED ON THE EASTERN MARGIN OF THE JOYITA UPLIFT>

Local Structures N70<>

Host-FM. Name U1<CHINLE> Member U2<>

Host Rock K1<TRI (Age) SANDSTONE, RED, ARKOSIC WITH BUFF COLORED (Rock type, texture, composition, BLEACHED ZONE, SECONDARY URANIUM MINERALS AROUND BLEACHED CLAY GAULS> color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3< (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<SECONDARY URANIUM MINERALS CONCENTRATED AROUND BLEACHED CLAY GAULS>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 51

Alteration N75<BLEACHING, LIMONITIZATION

Reductants U5<

Analytical Data (General) C43<F-38617 GRAB 0.097% EU308; F-38618 GRAB 0.022% EU308>

Radiometric Data (General) U6<BACKGROUND 0.03 MR/HR. HIGH - 0.5 MR/HR
(No. times background and dimensions)

Ore Controls K5<PROBABLY LITHOLOGIC AND CHEMICAL

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 51

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.

F2<AEC PRELIMINARY RECONNAISSANCE REPORT DEB-P-4-1452 OPEN-FILED.

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 51_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 52>

Deposit Name A10<MARIE PROSPECT>

Synonym Name(s) A11<MARY BALL #1>

District or Area A30<SEVILLITA LAND GRANT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<PROSPECT IS LOCATED 1.1 MILE
NORTH OF CIBOLA SPRING>

Field Checked G1<7907> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-14-40N> (Dg Mn Sc) Longitude A80<106-40-40W> (Dg Mn Sc)

Township A77<001S> (N/S) Range A78<002E> (E/W) Section A79< 1>

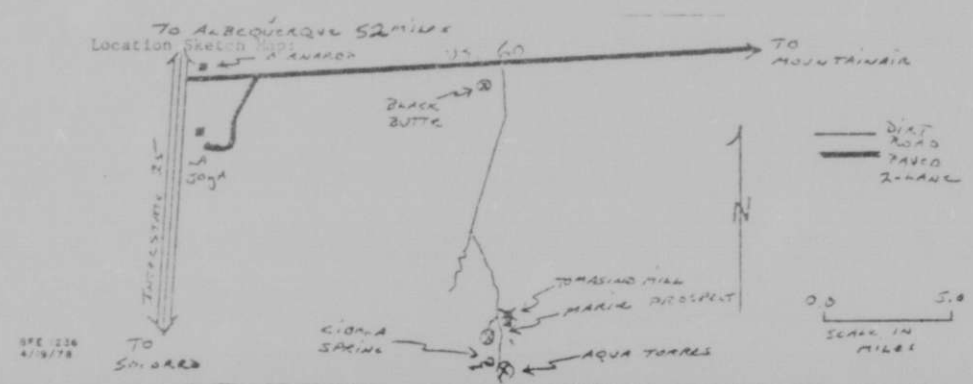
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5620 FT>

Quad Scale A91< 24000> Quad Name A92<SIERRA DE LA CRUZ>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<PERMISSION FOR ACCESS MUST BE OBTAINED FROM THE
BOSQUE DEL APACHE GAME REFUGE>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 52_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<4>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<SOME ORE MINED FROM OPEN_

PIT 1956_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<OPEN PIT_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UACC> G7A< 0> G7B<LB> G7C<_____> G7D<0.14 ____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 52

Deposit Form/Shape M10< FRACTURE FILLINGS>

Length M40<> FT/M M41<> Size M15 (circle letter)

Width M50<> M51<> lb U308

Thickness M60<> M61<> -A- 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Strike M70<DUE NORTH>

Dip M80<>

Tectonic Setting N1S<MOBILE BELT>

Major Regional Structures N5<DEPOSIT LIES ON THE EASTERN SIDE OF THE JOYITA UPLIFT>

Local Structures N70<BRECCIA ZONES UP TOO 100 FOOT IN DIAMETER OCCUR IN THE FOOT WALL OF THE FAULT>

Host-FM. Name U1<MADERA GROUP> Member U2<>

Host Rock K1<PENN (Age) LIMESTONE, FINE GRAINED PROMINENT FRACTURES (Rock type, texture, composition, WITH YELLOW, BROWN, RED, AND PURPLE LIMONITE AND HEMATITE STAINING color, alteration, attitude, geometry, structure, etc.) PRESENT>

Host-Rock Environment U3<MARINE (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<THE FAULT, WHICH TRENDS NORTH THROUGH THE DEPOSIT, SEPERATES THE MADERA FROM THE ABO FORMATION>

Ore Minerals C30<YELLOW URANIUM MINERAL>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 52_____

Alteration N75<BLEACHING_____

Reductants U5<_____

Analytical Data (General) C43<_____

Radiometric Data (General) U6<BACKGROUND = 100 CPS, 40 X BACKGROUND___
(No. times background and dimensions)
OVER 1 SQUARE METER, 15 X BACKGROUND AVERAGE IN OPEN PIT_____>

Ore Controls K5<STRUCTURAL AND CHEMICAL AS DEPOSIT IS RESTRICTED TO___

FRACTURE ZONES_____>

Deposit Class C40<VEIN TYPE DEPOSITS IN SEDIMENTARY> Class No. U7<730>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

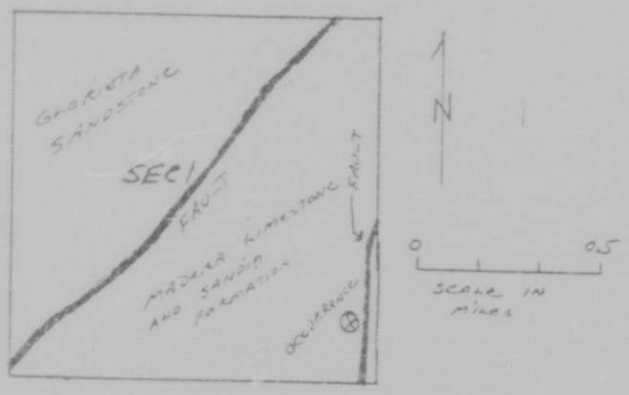
Quad Name SOCORRO

Deposit No. 52

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 148	mineralized limestone	33.7 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L.S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO,
GEOLOGICAL SURVEY PROFESSIONAL PAPER 603>

F2<

>

F3<

>

F4<

>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 52

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 53>

Deposit Name A10<AQUA TORRES>

Synonym Name(s) A11<>

District or Area A30<SEVILLITA LAND GRANT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<LOCATED 1/4 MILE SOUTH OF CIBOLA SPRING IN THE SEVILLETA LAND GRANT>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-13-45N> (Dg Mn Sc) Longitude A80<106-40-45W> (Dg Mn Sc)

Township A77<001S> (N/S) Range A78<002E> (E/W) Section A79<13>

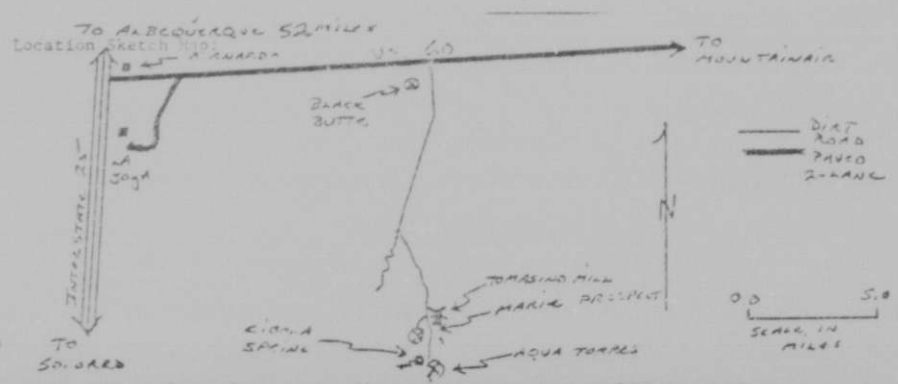
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5600 FT>

Quad Scale A91<24000 > Quad Name A92<SIERRA DE LA CRUZ>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<ACCESS MUST BE OBTAINED FROM THE BASQUE DEL APACHE GAME REFUGE>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 53_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<U_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<2>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<SOME ORE WAS MINED FROM__
SHALLOW PITS 1955-56_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<1 TRENCH 1 M X 10 M_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<UACC> G7A< 0> G7B<LB> G7C<_____> G7D<0.11 ____% U308>

Source of Information D9<HARLEN HOLEN D.O.E._____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 53_____

Deposit Form/Shape M10< FRACTURE COATINGS_____>

FT/M

Length M40<_____> M41<__>

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<DUE NORTH_____>

Dip M80<_____>

Size M15 (circle letter) to U308

-A- 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<DEPOSIT IS LOCATED JUST EAST OF THE_____

JOYITA UPLIFT_____>

Local Structures N70<REGION IS FAULTED AND FOLDED, (BRECCIA ZONES UP__

TO 100 FT IN DIAMETER OCCUR IN THE FOOTWALL OF THE FAULT)_____>

Host-FM. Name U1<MADERA GROUP_____> Member U2<_____>

Host Rock K1<PENN (Age) LIMESTONE, FINE GRAINED, PROMINENT FRACTURES__ (Rock type, texture, composition,

WITH YELLOW BROWN TO RED PURPLE STAINING PRESENT_____>
color, alteration, attitude, geometry, structure, etc.)

_____>

Host-Rock Environment U3<MARINE_____
(Sed. dep. environ., metamorphic facies,

_____>
ign. environ.)

Comments on
Associated Rocks U4<THE FAULT, WHICH TRENDS NORTH THROUGH THE DEPOSIT_

AREA, SEPARATES THE MADERA FROM THE ABO FORMATION_____>

_____>

Ore Minerals C30<_____

_____

_____>

Gangue Minerals K4<GEOTHITE, HEMATITE, JAROSITE, GYPSUM_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 53_____

Alteration N75<_____

_____

_____>

Reductants U5<_____

_____

_____>

Analytical Data (General) C43<_____

_____

_____

_____>

Radiometric Data (General) U6<BACKGROUND = 50 CPS. 200 X BACKGROUND__
(No. times background and dimensions)
OVER 0.3 X 0.3 M_____>

_____

_____>

Ore Controls K5<STRUCTURAL AND CHEMICAL AS DEPOSIT IS ALONG FRACTURE__
COATINGS_____>

_____

_____

_____

_____>

Deposit Class C40<VEIN TYPE DEPOSITS IN SEDIMENTARY> Class No. U7<730>

Comments on Geology N85<_____

_____

_____

_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

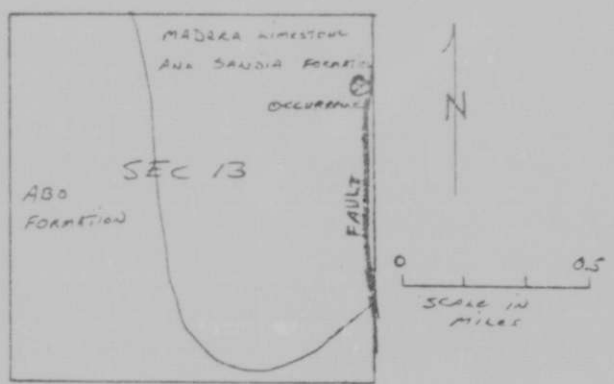
Quad Name SOCORRO

Deposit No. 53

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 125	mineralized limestone	581.0 ppm U

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.>

F2<>

F3<>

F4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 53_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 54>

Deposit Name A10<BLACK BUTTE OCCURRENCE>

Synonym Name(s) A11<>

District or Area A30<UNCLASSIFIED>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<FROM THE JUNCTION OF U.S. 85 WITH U.S. 60 GO 9.4 MILES EAST. TURN RIGHT AND GO 1.3 MILES SOUTH DEPOSIT LIES ON THE EASTERN SIDE OF BLACK BUTTE>

Field Checked G1<7805> (YrMo) By G2<TOURTELOT, ELIZABETH B.> (Last Name, First, Initial)

Latitude A70<34-24-40N> (Dg Mn Sc) Longitude A80<106-40-50W> (Dg Mn Sc)

Township A77<002N> (N/S) Range A78<002E> (E/W) Section A79<12>

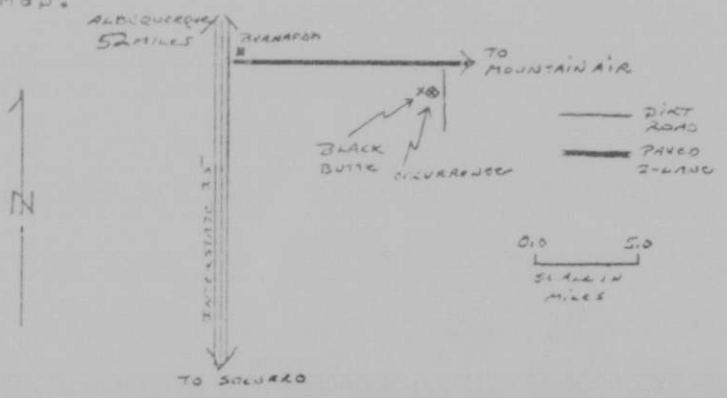
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5240 FT>

Quad Scale A91<24000 > Quad Name A92<BLACK BUTTE>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<DEPOSIT IS AT THE NORTH CENTRAL BOUNDARY OF THE SEVILLETA GRANT>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 54_____

Commodities Present:
C1U<RAM_QTZ_FLD_MIC_U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C5O<LIGHT YELLOW-GREEN SECONDARY U MINERALS AS_____

FILMS ON FRACTURES OF RHYOLITE_____>

Status of Exploration and Development A2O<2>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L11O<BULLDOZING WORK AT THE___

BASE OF THE SLOPE DONE TO REMOVE MATERIAL FOR ROAD BUILDING (BEFORE_>*

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M12O (Surface) M13O (Underground) M14O (Both)

Description of Workings M22O<TWO BULLDOZED PROSPECT PITS_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U3O8>

Source of Information D9<_____

_____>

Production Comments D1O<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U3O8>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 54_____

Deposit Form/Shape M10< FRACTURES TRENDING ROUGHLY NORTH_____>

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U308
Thickness	M60<_____>	M61<__>	A 0-20,000
			B 20,000-200,000
Strike	M70<N 20 DEG E_____>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<90 DEG_____>		E More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<WITHIN THE EASTERN FLANK OF THE RIO_____

GRANDE RIFT ZONE_____>

Local Structures N7U<FRACTURED, WEATHERED RHYOLITE CAPPED BY ANDESITE_

_____>

Host-FM. Name U1<UNNAMED TERTIARY RHY> Member U2<_____>

Host Rock K1<TERT RHYOLITE FINE GRAINED QUARTZ FELDSPAR SOME____
(Age) (Rock type, texture, composition,
BIOTITE, GREY COLOR SOME ALTERATION ASSOCIATED WITH THE FRACTURES N 20
color, alteration, attitude, geometry, structure, etc.)
DEG E, 90 DEG._____>

Host-Rock Environment U3<VOLCANIC_____
(Sed. dep. environ., metamorphic facies,
_____>
ign. environ.)

Comments on
Associated Rocks U4<_____

_____

_____>

Ore Minerals C30<CARNOTITE?_____

_____

_____>

Gangue Minerals K4<QUARTZ (CHALCEDONY), FELDSPARS, MICA; VUGS WITHIN__

MASSIVE CHALCEDONY ARE FILLED WITH CALCITE._____>

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 54_____

Alteration N75<SOME ALTERATION ASSOCIATED WITH FRACTURES_____

Reductants U5<NONE NOTED_____

Analytical Data (General) C43<_____

Radiometric Data (General) U6<BACKGROUND = 100. 3 X BACKGROUND IN 2__
(No. times background and dimensions)

PITS 5 M IN DIAMETER_____

Ore Controls K5<CHEMICAL, LIMITED TO FRACTURES_____

Deposit Class C40<VOLCANOGENIC_____> Class No. U7<500>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

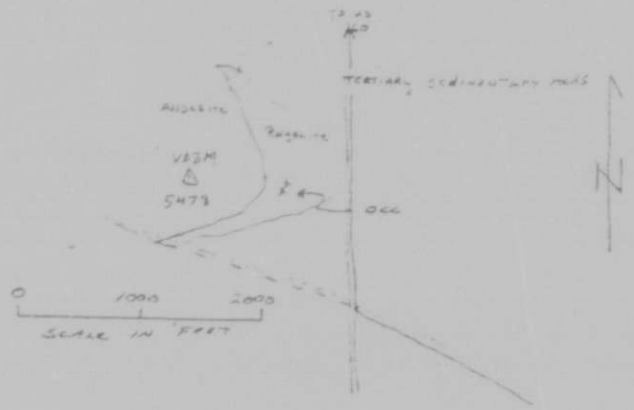
Quad Name SOCORRO

Deposit No. 54

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 008	rhyolite	8.05 ppm U
MDQ 009	chalcedony	12.90 ppm U
MDQ 017	replicate split of MDQ 008	8.34 ppm U
MDQ 105	mineralized rhyolite	insufficient radioactive material for analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RRA 1412 OPEN-FILED

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 54

Continuation from p. 1-5

Label

L110<1954)>

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 55>

Deposit Name A10<ANTONIO SANCHEZ RANCH CLAIM>

Synonym Name(s) A11<>

District or Area A30<CERRO MONTOSO>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<2 MILES SOUTH EAST OF CERRO MONTOSO>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-19-30N> (Dg Mn Sc) Longitude A80<106-31-40W> (Dg Mn Sc)

Township A77<001N> (N/S) Range A78<004E> (E/W) Section A79< 9>

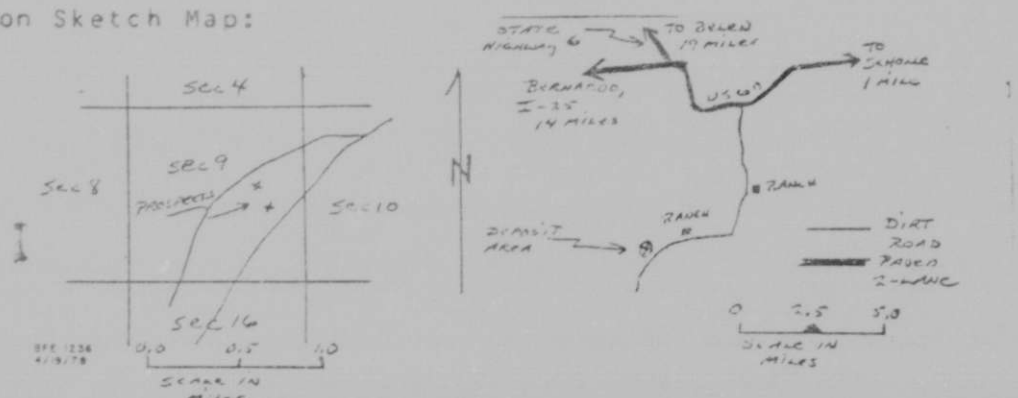
Meridian A81<NEW MEXCIO PRINCIPAL MERIDIAN> Altitude A107<6450 FT>

Quad Scale A91<24000 > Quad Name A92<CERRO MONTOSO>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<>

Location Sketch Map:



URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 55_____

Commodities Present:
C10<CU_____>

Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<MINOR ANAMOLOUS READINGS ASSOCIATED WITH COPPER MINERALIZATION_____>

Status of Exploration and Development A20<2>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<SMALL AMOUNT OF COPPER___ TAKEN OUT_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<1 OPEN CUT AND 1 PROSPECT PIT_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____>

Production Comments D10<_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____>

Comments E8<_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 55

Deposit Form/Shape M10< CU DISSEMINATION THROUGHOUT SANDSTONE>

		FT/M	
Length	M40<>	M41<>	Size M15 (circle letter)
Width	M50<>	M51<>	Lb U308
Thickness	M60<>	M61<>	A 0-20,000
			B 20,000-200,000
Strike	M70<DUE EAST>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<13 DEG S>		E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<CERRO MONTOSO LOCATED SOUTH EAST OF THE COLORADO PLATEAU>

Local Structures N70<NONE OBSERVED>

Host-FM. Name U1<ABO> Member U2<>

Host Rock K1<PERM (Age) SANDSTONE MEDIUM GRAINED CONSISTS OF QUARTZ, FELDSPAR AND ROCK FRAGMENTS LARGE TABULAR X STRATA PRESENT ALTERATION DETECTABLE, SUB ROUNDED, SOME CALCAREOUS COATING IS PRESENT> (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<FLUVIAL (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C30<COPPER>

Gangue Minerals K4<>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 55

Alteration N75<NONE NOTED>

Reductants U5<NONE NOTED>

Analytical Data (General) C43<>

Radiometric Data (General) U6<BACKGROUND = 50; 2 X BACKGROUND IN AREA OF CU MINERALIZATION>
(No. times background and dimensions)

Ore Controls K5<CHEMICAL AS ANOMALOUS READINGS ARE ASSOCIATED WITH COPPER DISSEMINATIONS>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<>

URANIUM-OCCURRENCE

REPORT

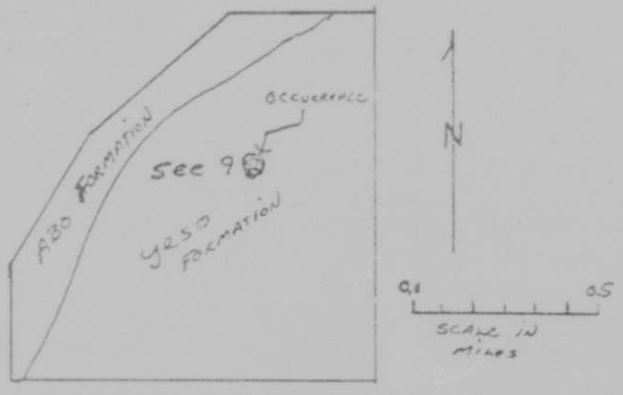
Quad Name SOCORRO

Deposit No. 55

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC RAW MATERIALS OBSERVATIONS REPORT 890

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 55

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO_____>

Quad Scale A100< 250000>

Deposit No. B40< 56>

Deposit Name A10<SCHOLLE_____>

Synonym Name(s) A11<_____

District or Area A30<SCHOLLE DISTRICT_____>

Country A40<US> US State NEW MEXICO_____

State Code A50<35> 35 County A60<SOCORRO_____>

Position from Prominent Locality A82<DEPOSIT AREA IS LOCATED 0.75_____

MILES SOUTHEAST OF SCHOLLE_____>

Field Checked G1<7901> By G2<HANNIGAN, BRIAN J._____>
YrMo Last Name First Initial

Latitude A70<34-24-30N> Longitude A80<106-24-30W>
Dg Mn Sc Dg Mn Sc

Township A77<002N> Range A78<005E> Section A79<10>
N/S E/W

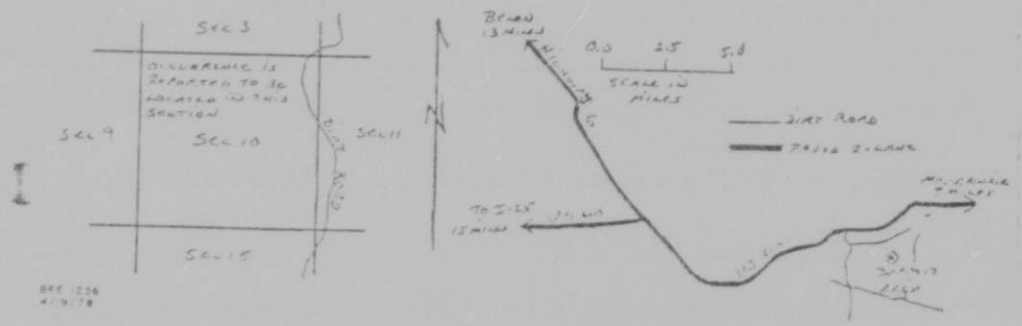
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN_> Altitude A107<5900 FT___>

Quad Scale A91< 24000> Quad Name A92<SCHOLLE_____>

Physiographic Province A63<12 BASIN AND RANGE_____>
(List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED 01/12/79_____

Location Sketch Map:



URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 56_____

Commodities Present:
C10<U_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 56

Deposit Form/Shape M10< STRATIFORM >

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U308
Thickness	M60<_____>	M61<__>	A 0-20,000
			B 20,000-200,000
Strike	M70<N 20 E>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<4 SE>		E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT LIES SOUTHEAST OF THE COLORADO PLATEAU AND EAST OF THE RIO GRANDE TROUGH>

Local Structures N70<DEPOSIT LIES SOUTHEAST OF THE MANZANO MOUNTAINS>

Host-FM. Name U1<ABO> Member U2<>

Host Rock K1<PER (Age) SILTSTONE, FINE GRAINED, LIGHT RED TO RED BROWN (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)>

Host-Rock Environment U3<FLUVIAL (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 56_____

Alteration N75<_____

_____

_____>

Reductants U5<_____

_____

_____>

Analytical Data (General) C43<0.016 % EU AND 0.008 % U_____

_____

_____

_____>

Radiometric Data (General) U6<_____

(No. times background and dimensions)

_____

_____

_____>

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__

EPIGENETIC_____>

_____

_____

_____

_____>

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

_____

_____

_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

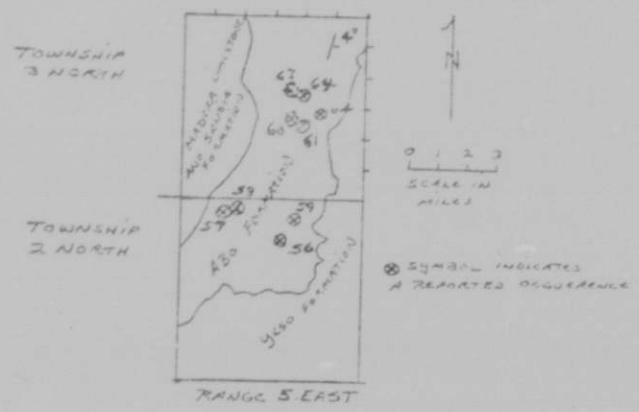
Quad Name SOCORRO

Deposit No. 56

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<U.S. GEOLOGICAL SURVEY TRACE ELEMENTS INVESTIGATIONS REPORT-198

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 56

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 57>

Deposit Name A10<CONTRERAS MINING COMPANY>

Synonym Name(s) A11<>

District or Area A30<SCHOLLE DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT AREA IS LOCATED 1.5 MILES WEST OF SCHOLLE, NEW MEXICO>

Field Checked G1<7901> By G2<HANNIGAN, BRIAN J.>
YrMo Last Name First Initial

Latitude A70<34-25-35N> Longitude A80<106-26-30W>
Dg Mn Sc Dg Mn Sc

Township A77<002N> Range A78<005E> Section A79< 5>
N/S E/W

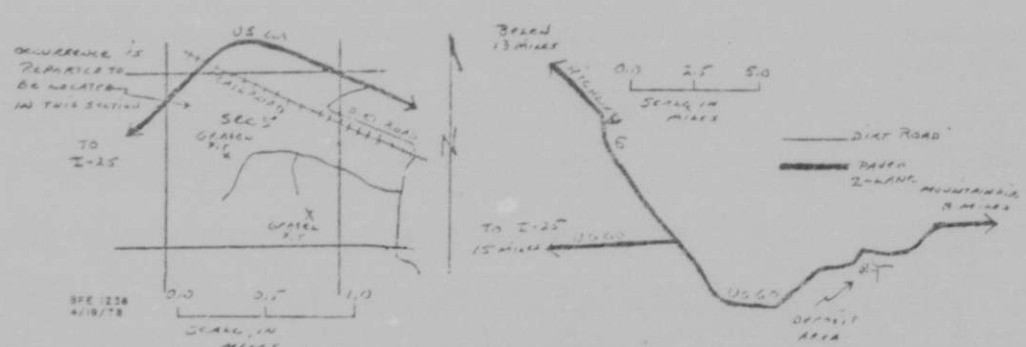
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

Quad Scale A91< 24000> Quad Name A92<SCHOLLE>

Physiographic Province A63<12 BASIN AND RANGE>
(List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 01/13/79>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 57_____

Commodities Present:
C10<U___CU_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 57_____

Deposit Form/Shape M10< STRATIFORM_____>

FT/M

Length M40<_____> M41<__> Size M15 (circle letter)

Width M50<_____> M51<__> tb U308

Thickness M60<_____> M61<__> A 0-20,000
B 20,000-200,000

Strike M70<N 20 E_____> C 200,000-2,000,000
D 2million - 20million

Dip M80<4 SE_____> E More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<DEPOSIT IS LOCATED SOUTHEAST OF THE_____

COLORADO PLATEAU AND EAST OF THE RIO GRANDE TROUGH_____>

Local Structures N70<DEPOSIT LIES SOUTHEAST OF THE MANZANO MOUNTAINS__

_____>

Host-FM. Name U1<ABO_____> Member U2<_____>

Host Rock K1<PER SILTSTONE, FINE GRAINED LIGHT RED TO RED BROWN
(Age) (Rock type, texture, composition,

color, alteration, attitude, geometry, structure, etc.)

_____>

Host-Rock Environment U3<FLUVIAL_____
(Sed. dep. environ., metamorphic facies,

_____>

ign. environ.)

Comments on

Associated Rocks U4<_____

_____

_____>

Ore Minerals C30<_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 57

Alteration N75<

Reductants U5<

Analytical Data (General) C43<0.013 % U308 AND 0.009 % U308

Radiometric Data (General) U6<
(No. times background and dimensions)

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND EPIGENETIC>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

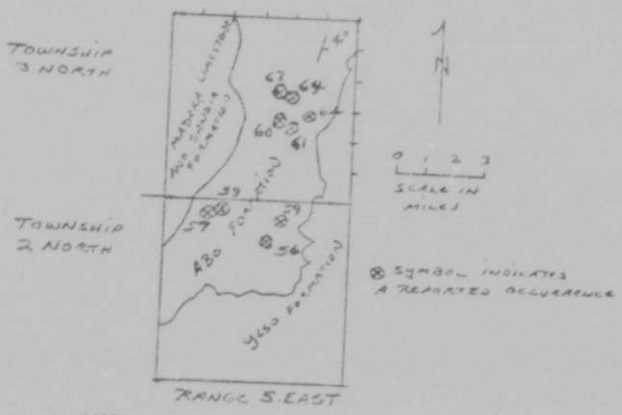
Quad Name SOCORRO

Deposit No. 57

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<ATOMIC ENERGY COMMISSION, RAW MATERIALS OBSERVATIONS REPORT-890

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 57

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 58>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<>

District or Area A30<SCHOLLE DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<SOCORRO>

Position from Prominent Locality A82<DEPOSIT AREA IS 1.5 MILES WEST OF SCHOLLE NEW MEXICO, 700 FEET SOUTH OF THE RAILROAD>

Field Checked G1<7901> By G2<HANNIGAN, BRIAN J.>
YrMo Last Name First Initial

Latitude A70<34-25-35N> Longitude A80<106-26-25W>
Dg Mn Sc Dg Mn Sc

Township A77<002N> Range A78<005E> Section A79< 5>
N/S E/W

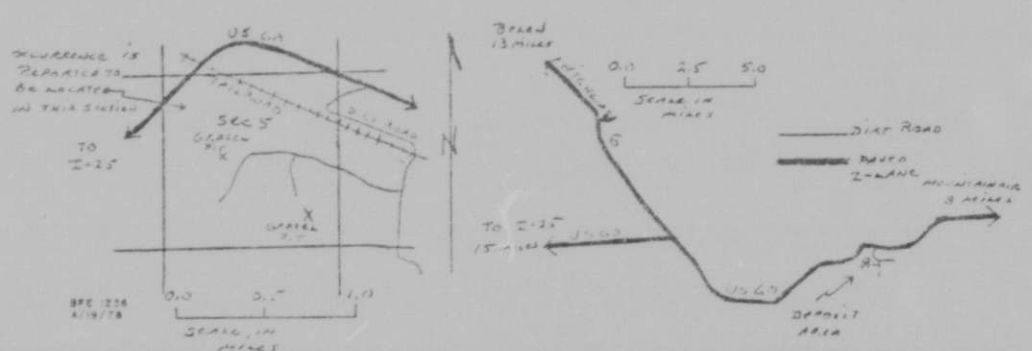
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

Quad Scale A91< 24000> Quad Name A92<SCHOLLE>

Physiographic Province A63<12 BASIN AND RANGE>
(List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 01/13/79>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 58_____

Commodities Present:
C10<U___CU_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 58

Deposit Form/Shape M10< STRATIFORM >

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U308
Thickness	M60<_____>	M61<__>	A 0-20,000
			B 20,000-200,000
Strike	M70<N 20 E>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<4 SE>		E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT IS LOCATED SOUTHEAST OF THE COLORADO PLATEAU AND EAST OF THE RIO GRANDE TROUGH>

Local Structures N70<THE MANZANO MOUNTAINS ARE LOCATED TO THE NORTHWEST OF THE DEPOSIT AREA>

Host-FM. Name U1<ABO> Member U2<>

Host Rock K1<PER (Age) SILTSTONE, FINE GRAINED LIGHT RED TO RED BROWN (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)>

Host-Rock Environment U3<FLUVIAL (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 58

Alteration N75<

>

Reductants U5<

>

Analytical Data (General) C43<

>

Radiometric Data (General) U6<
(No. times background and dimensions)

>

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND EPIGENETIC>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

>

URANIUM-OCCURRENCE

REPORT

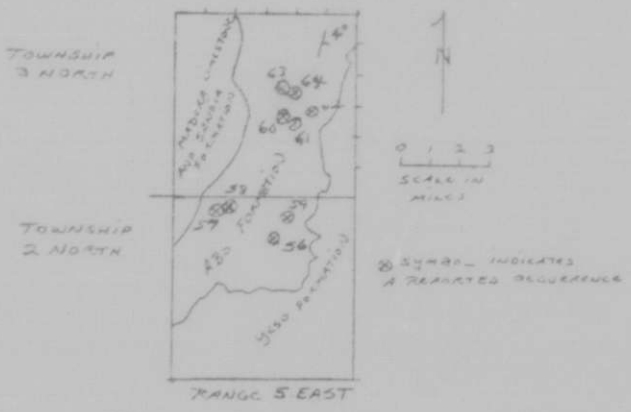
Quad Name SOCORRO

Deposit No. 58

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<ATOMIC ENERGY COMMISSION, PRELIMINARY RECONNAISSANCE REPORT, RG-2-51 OPEN FILED>

F2<>

F3<>

F4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 58

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 59>

Deposit Name A10<URANIUM PROSPECT>

Synonym Name(s) A11<TOM ARNETT PROSPECT, ABO MINE>

District or Area A30<SCHOLLE DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<TORRANCE>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 0.7 MILES SOUTH 80 DEGREES EAST OF SCHOLLE, NEW MEXICO>

Field Checked G1<7901> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-25-15N> (Dg Mn Sc) Longitude A80<106-24-15W> (Dg Mn Sc)

Township A77<002N> (N/S) Range A78<005E> (E/W) Section A79< 3>

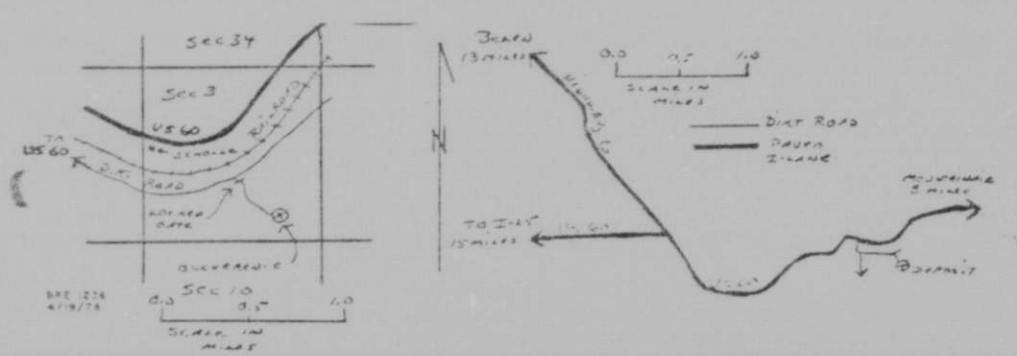
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<5900 FT>

Quad Scale A91<24000 > Quad Name A92<SCHOLLE>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 59_____

Commodities Present:
C10<U___CU_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<THIS IS AN OLD COPPER____
PROSPECT_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<2 SHALLOW SHAFTS, A 40 FT. INCLINE,_____
SEVERAL SHALLOW PITS, 2 DEEP SHAFTS_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 59_____

Deposit Form/Shape M10< STRATIFORM_____>

FT/M

Length M40<_____> M41<__> Size M15 (circle letter)

Width M50<_____> M51<__> lb U308

Thickness M60<_____> M61<__>

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Strike M70<N 20 DEG E_____>

Dip M80<4 DEG SE_____>

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<DEPOSIT IS LOCATED EAST OF THE RIO GRANDE

TROUGH_____>

Local Structures N70<THE DEPOSIT IS LOCATED JUST EAST OF THE MANZANO__

MOUNTAINS_____>

Host-FM. Name U1<ABO_____> Member U2<_____>

Host Rock K1<PERM SILTSTONE FINE GRAINED RED TO BROWN BLEACHED__
(Age) (Rock type, texture, composition,
IN PLACES. COPPER CARBONATES ARE PRESENT ALONG FRACTURES AND_____
color, alteration, attitude, geometry, structure, etc.)
DISSEMINATED THROUGHOUT THE ROCK, CARBONACEOUS TRASH PRESENT_____>

Host-Rock Environment U3<FLUVIAL_____
(Sed. dep. environ., metamorphic facies,

_____>
ign. environ.)

Comments on
Associated Rocks U4<_____

_____

_____>

Ore Minerals C30<_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 59

Alteration N75<BLEACHING IN PLACES

Reductants U5<CARBONACEOUS TRASH

Analytical Data (General) C43<0.107% U308 HIGHEST CHIP SAMPLE

Radiometric Data (General) U6<"WEAK" RADIOACTIVITY
(No. times background and dimensions)

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND ASSOCIATED WITH CARBONACEOUS MATERIAL>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

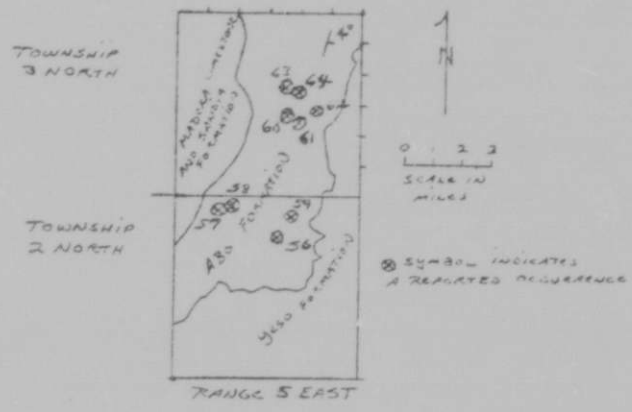
Quad Name SOCORRO

Deposit No. 59

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT RG-1-51 RED BED PROJECT

OPEN-FILED>

>

F2<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603>

>

F3<AEC RAW MATERIALS OBSERVATIONS REPORT 890

>

F4<

>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 59_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 60>

Deposit Name A10<UNKNOWN>

Synonym Name(s) A11<>

District or Area A30<SCHOLLE DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<TORRANCE>

Position from Prominent Locality A82<DEPOSIT AREA LOCATED 3 TO 4 MILES NORTH OF SCHOLLE, NEW MEXICO>

Field Checked G1<7903> By G2<HANNIGAN, BRIAN J.>
YrMo Last Name First Initial

Latitude A70<34-28-00N> Longitude A80<106-24-20W>
Dg Mn Sc Dg Mn Sc

Township A77<003N> Range A78<005E> Section A79<22>
N/S E/W

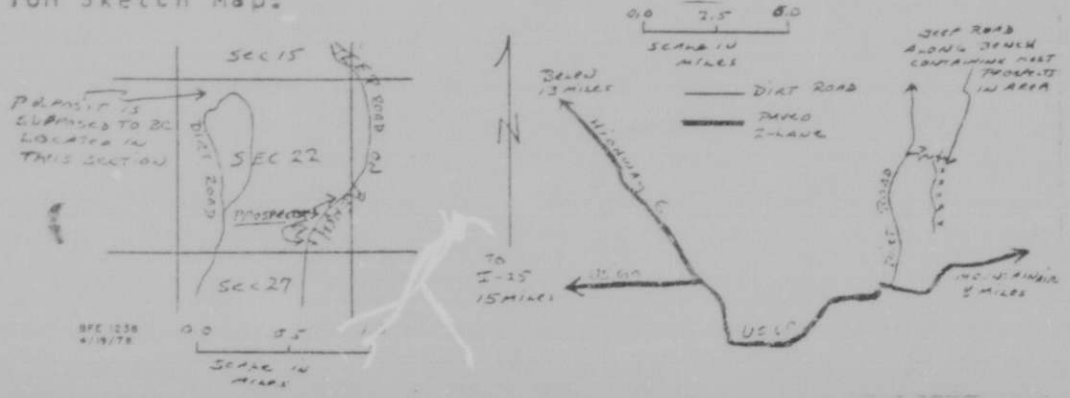
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

Quad Scale A91<24000 > Quad Name A92<SCHOLLE>

Physiographic Province A63<12 BASIN AND RANGE>
(List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 3/13/79 DUE TO THE MANY WORKINGS IN THE AREA AND POOR DIRECTIONS>

Location Sketch Map:



URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 60_____

Commodities Present:
C10<U___CU_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<2>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 60_____

Deposit Form/Shape M10< STRATIFORM_____>

		FT/M	
Length	M40<_____>	M41<__>	Size M15 (circle letter)
Width	M50<_____>	M51<__>	lb U308
Thickness	M60<_____>	M61<__>	A 0-20,000
			B 20,000-200,000
Strike	M70<N 20 DEG E_____>		C 200,000-2,000,000
			D 2million - 20million
Dip	M80<4 DEG SE_____>		E More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<DEPOSIT IS LOCATED SOUTHEAST OF THE_____

COLORADO PLATEAU AND EAST OF THE RIO GRANDE TROUGH_____>

Local Structures N70<DEPOSIT IS LOCATED JUST EAST OF THE MANZANO_____

MOUNTAINS_____>

Host-FM. Name U1<ABO_____> Member U2<_____>

Host Rock K1<PERM (Age) SANDSTONE SILTSTONE AND SANDY SHALE GREY TO___
(Rock type, texture, composition,
RED BROWN, INTERBEDS OF SILICEOUS LIMESTONE PEBBLE AND CHERT PEBBLE___
color, alteration, attitude, geometry, structure, etc.)
CONGLOMERATE_____>

Host-Rock Environment U3<FLUVIAL, MIXED LOAD_____
(Sed. dep. environ., metamorphic facies,
_____>
ign. environ.)

Comments on
Associated Rocks U4<URANIUM MINERALS IN THE AREA SEEM TO BE ASSOCIATED

WITH LIMESTONE CONGLOMERATE INTERBEDS_____>

_____>

Ore Minerals C30<_____

_____

_____>

Gangue Minerals K4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 60_____

Alteration N75<_____

_____

_____>

Reductants U5<_____

_____

_____>

Analytical Data (General) C43<_____

_____

_____

_____>

Radiometric Data (General) U6<BACKGROUND = 0.02 MR/HR UP TO 0.4 MR/HR_
(No. times background and dimensions)
ASSOCIATED WITH CONGLOMERATE_____>

_____

_____>

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__
EPIGENETIC_____>

_____

_____

_____

_____>

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

_____

_____

_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

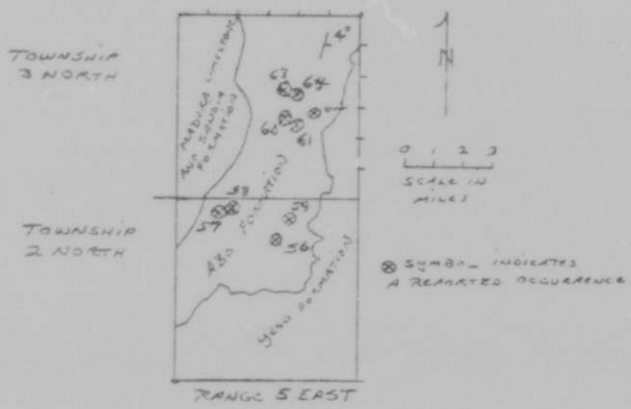
Quad Name SOCORRO

Deposit No. 60

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RRA 569 OPEN-FILED

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 60

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 61>

Deposit Name A10<MINERS DREAM, MCTERRY MINES, THELMA-ANN MINES>

Synonym Name(s) A11<>

District or Area A30<SCHOLLE DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<TORRANCE>

Position from Prominent Locality A82<DEPOSIT AREA IS LOCATED 3 TO 4 MILES NORTH OF SCHOLLE, NEW MEXICO>

Field Checked G1<7903> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-28-15N> (Dg Mn Sc) Longitude A80<106-24-15W> (Dg Mn Sc)

Township A77<003N> (N/S) Range A78<005E> (E/W) Section A79<22>

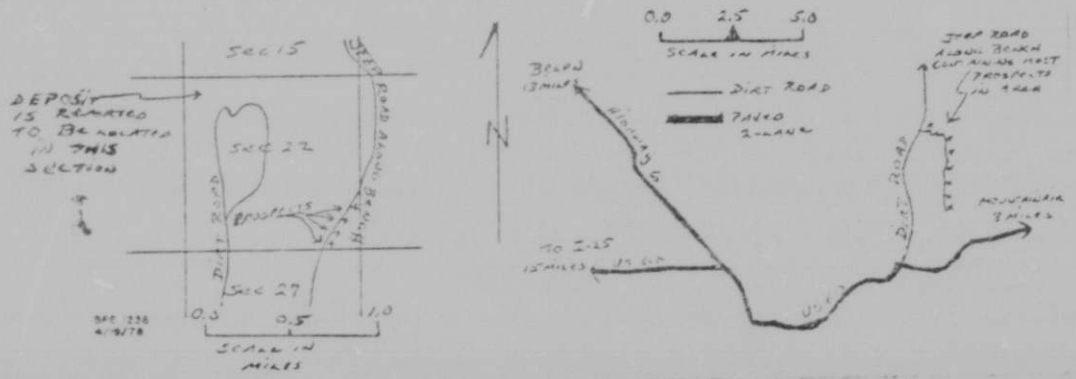
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

Quad Scale A91<24000 > Quad Name A92<SCHOLLE>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 3/13/79 DUE TO THE MANY WORKINGS IN THE AREA AND POOR DIRECTIONS>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 61_____

Commodities Present:
C10<U___CU_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<CLAIMS DATED 1915, 1949,_

AND 1949 RESPECTIVELY_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<1 50 FT ADIT, 1 40 FT ADIT, 1 SHORT ADIT_

RESPECTIVELY_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U3O8>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U3O8>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 61

Deposit Form/Shape M10< STRATIFORM>

		FT/M	
Length	M40<>	M41<>	Size M15 (circle letter)
Width	M50<>	M51<>	lb U3O8
Thickness	M60<>	M61<>	A 0-20,000 B 20,000-200,000 C 200,000-2,000,000 D 2million - 20million E More than 20million
Strike	M70<N 20 DEG E>		
Dip	M80<4 DEG SE>		

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT IS LOCATED SOUTH EAST OF THE COLORADO PLATEAU AND EAST OF THE RIO GRANDE TROUGH>

Local Structures N70<DEPOSIT IS LOCATED JUST EAST OF THE MANZANO MOUNTAINS>

Host-FM. Name U1<ABO> Member U2<>

Host Rock K1<PERM (Age) SANDSTONE, SILTSTONE, AND SANDY SHALE, GREY TO RED BROWN WITH INTERBEDS OF SILICEOUS LIMESTONE CONGLOMERATE, COPPER (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.) MINERALS PRESENT>

Host-Rock Environment U3<FLUVIAL MIXED LOAD (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4<URANIUM MINERALS IN THE AREA SEEM TO BE ASSOCIATED WITH LIMESTONE CONGLOMERATE>

Ore Minerals C30<>

Gangue Minerals K4<>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 61_____

Alteration N75<BLEACHING_____

Reductants U5<CARBONACEOUS TRASH_____

Analytical Data (General) C43<_____

Radiometric Data (General) U6<BACKGROUND 0.02-0.03 MR/HR 2 X_____
(No. times background and dimensions)
BACKGROUND, 3 X BACKGROUND, WEAK RADIOACTIVITY, RESPECTIVELY_____>

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND__

EPIGENETIC_____>

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

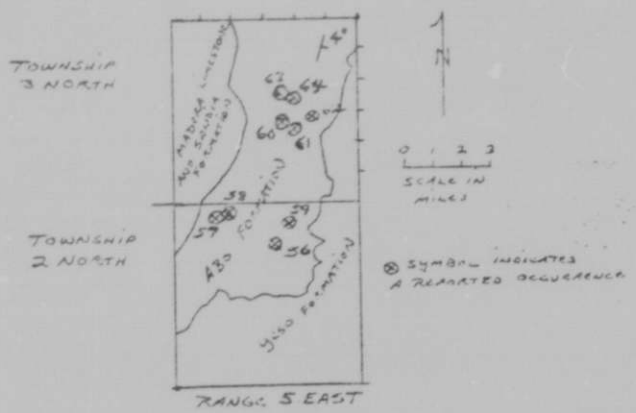
Quad Name SOCORRO

Deposit No. 61

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RRA 568 OPEN-FILED

F2<

F3<

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URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 61

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 62>

Deposit Name A10<ABO MINING CLAIMS>

Synonym Name(s) A11<>

District or Area A30<SCHOLLE DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<TORRANCE>

Position from Prominent Locality A82<DEPOSIT IS LOCATED 3.5 MILES N 18 DEG E OF SCHOLLE NEW MEXICO>

Field Checked G1<7903> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First, Initial)

Latitude A70<34-28-30N> (Dg Mn Sc) Longitude A80<106-24-20W> (Dg Mn Sc)

Township A77<003N> (N/S) Range A78<005E> (E/W) Section A79<23>

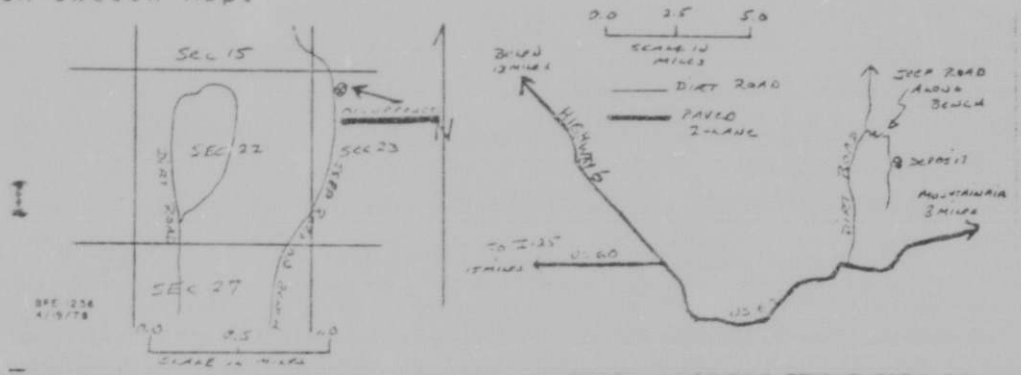
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6240 FT>

Quad Scale A91<24000 > Quad Name A92<SCHOLLE>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<>

Location Sketch Map:



URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO_____

Deposit No. 62_____

Commodities Present:
C10<U_____>

Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<URANIUM AND COPPER SEEM TO BE ASSOCIATED WITH__

ABUNDANT ORGANIC MATERIAL_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<THE PROPERTY WAS WORKED__

FOR COPPER_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<1 12 M ADIT AND A LARGE OPEN CUT 10 M X__

40 M, 300 FT OF DRILLING IN 20 HOLES IN AREA_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 62_____

Deposit Form/Shape M10< STRATIFORM_____>

FT/M

Length M40<_____> M41<__>

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<N 20 DEG E_____>

Dip M80<4 DEG SE_____>

Size M15 (circle letter)

lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<DEPOSIT IS LOCATED SOUTH EAST OF THE_____

COLORADO PLATEAU AND EAST OF THE RIO GRANDE TROUGH_____>

Local Structures N70<DEPOSIT IS LOCATED EAST OF THE MANZANO MOUNTAINS_

_____>

Host-FM. Name U1<ABO_____> Member U2<_____>

Host Rock K1<PERM SANDSTONE SILTSTONE AND SANDY SHALE GREY TO___
(Age) (Rock type, texture, composition,
RED BROWN WITH INTERBEDS OF SILICEOUS LIMESTONE PEBBLE AND CHERT_____
color, alteration, attitude, geometry, structure, etc.)
PEBBLE CONGLOMERATE, YELLOW GREEN URANIUM MINERALS PRESENT GREEN AND>*

Host-Rock Environment U3<FLUVIAL MIXED LOAD_____
(Sed. dep. environ., metamorphic facies,

_____>
ign. environ.)

Comments on
Associated Rocks U4<URANIUM MINERALS IN THE AREA SEEM TO BE ASSOCIATED

WITH LIMESTONE CONGLOMERATE INTERBEDS_____>

_____>

Ore Minerals C30<MALACHITE_____

_____

_____>

Gangue Minerals K4<QUARTZ, ANDESINE, CALCITE, DOLOMITE_____

_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 62

Alteration N75<BLEACHING

Reductants U5<CARBONACEOUS TRASH IN THE FORM OF PLANT DEBRIS AND FOSSIL LOGS

Analytical Data (General) C43<F-15875 10% U308. RADIOMETRIC ASSAY 13% U308 CHEMICAL ASSAY 9.3% U205 F-15876 0.05% U308 RADIOMETRIC 0.048% U308 CHEMICAL 0.22% V205

Radiometric Data (General) U6<BACKGROUND = 80 CPS GREATER THAN 188 X (No. times background and dimensions) BACKGROUND OVER 0.3 M X 0.6 M, 4 X BACKGROUND OVER OPEN CUT. GREATER THAN 38 X BACKGROUND OVER 5 M SQUARED, 18 X BACKGROUND IN ADIT

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND EPIGENETIC

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

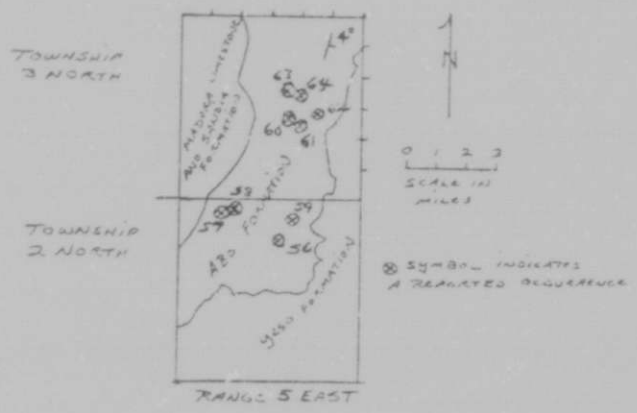
Deposit No. 62

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis
MDQ 155	siltstone	23.20 ppm U
MDQ 156	siltstone	39.20 ppm U
MDQ 157	unmineralized limestone	9.92 ppm U
MDQ 158	limestone pebble conglomerate	827.00 ppm U
MDQ 159	limestone pebble conglomerate float	418.00 ppm U
MDQ 160	limestone pebble conglomerate	656.00 ppm U

continued on page 6

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RRA 1401 OPEN-FILED

F2<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORHTWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 62

Continuation from p. 1-5

Label

K1<BLACK COPPER MINERALS PRESENT, CARBONACEOUS TRASH PRESENT AND DEPOSIT IS LOCATED ROUGHLY 120 M STRATIGRAPHICALLY ABOVE THE BASE OF THE ABO>

Samples continued

MDQ 161 mineralized petrified log 755.0 ppm U

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 63>

Deposit Name A10<RATTLESNAKE NOS. 1,2,3, AND 4>

Synonym Name(s) A11<>

District or Area A30<SCHOLLE>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<TORRANCE>

Position from Prominent Locality A82<LOCATED 700 FT S 45 DEG E OF THE CENTER OF SECTION 15>

Field Checked G1<7903> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-28-55N> (Dg Mn Sc) Longitude A80<106-24-30W> (Dg Mn Sc)

Township A77<003N> (N/S) Range A78<005E> (E/W) Section A79<15>

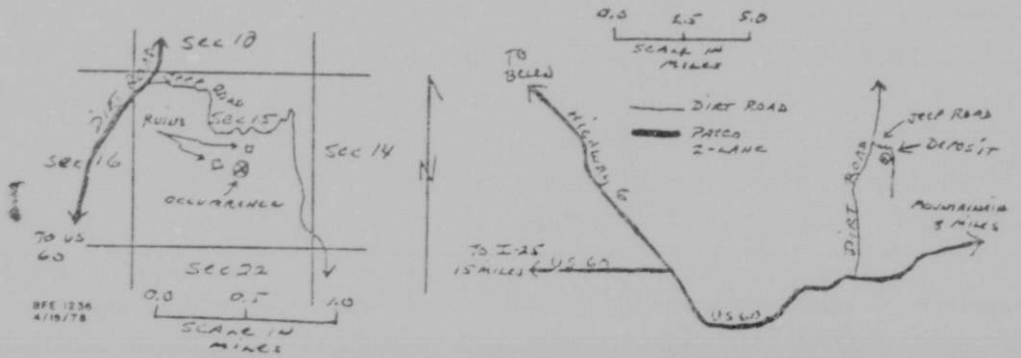
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6020 FT>

Quad Scale A91<24000 > Quad Name A92<SCHOLLE>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 63_____

Commodities Present:
C10<U___CU_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20<2>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<CLAIMS STAKED 1954_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<1 PROSPECT PIT AS OF 1954 TRENCHING HAS__

BEEN DONE IN THE AREA_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 63_____

Deposit Form/Shape M10< STRATIFORM_____>

FT/M

Length M40<_____> M41<__>

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<N 20 DEG E_____>

Dip M80<4 DEG SE_____>

Size M15 (circle letter)

lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT_____

_____>

Major Regional Structures N5<DEPOSIT IS LOCATED EAST OF THE RIO GRANDE

TROUGH AND SOUTHEAST OF THE COLORADO PLATEAU_____>

Local Structures N70<THE DEPOSIT IS LOCATED JUST EAST OF THE MANZANO__

MOUNTAINS_____>

Host-FM. Name U1<ABO_____> Member U2<_____>

Host Rock K1<PERM SANDSTONE SILTSTONE SANDY SHALE GRAY TO_____
(Age) (Rock type, texture, composition,
RED-BROWN. CONTAINS LIMESTONE CONGLOMERATE INTERBEDS_____>
color, alteration, attitude, geometry, structure, etc.)

_____>

Host-Rock Environment U3<FLUVIAL_____
(Sed. dep. environ., metamorphic facies,

_____>
ign. environ.)

Comments on

Associated Rocks U4<URANIUM MINERALS IN THE AREA SEEM TO BE ASSOCIATED

WITH THE LIMESTONE CONGLOMERATE INTERBEDS_____>

_____>

Ore Minerals C30<YELLOW GREEN URANIUM MINERALS_____

_____

_____>

Gangue Minerals X4<_____

_____

_____>

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 63

Alteration N75<BLEACHING>

Reductants U5<CARBONACEOUS TRASH (?)>

Analytical Data (General) C43<>

Radiometric Data (General) U6<BACKGROUND = 30 CPS. 23 X BACKGROUND
(No. times background and dimensions)
HIGH NEAR URANIUM MINERALS; 20 X BACKGROUND NEAR CONGLOMERATE BOULDER>

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND ASSOCIATED WITH LIMESTONE CONGLOMERATE>

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<>

URANIUM-OCCURRENCE

REPORT

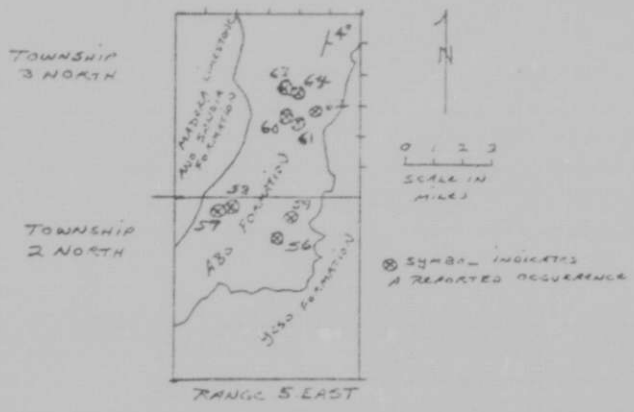
Quad Name SOCORRO

Deposit No. 63

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RRA 1180 OPEN-FILED

F2<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 63_____

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 64>

Deposit Name A10<PIONEER CLAIM>

Synonym Name(s) A11<>

District or Area A30<SCHOLLE>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<TORRANCE>

Position from Prominent Locality A82<CLAIM IS LOCATED 3.75 MILES N 14 DEG E OF SCHOLLE>

Field Checked G1<7903> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-29-10N> (Dg Mn Sc) Longitude A80<106-24-00W> (Dg Mn Sc)

Township A77<003N> (N/S) Range A78<005E> (E/W) Section A79<15>

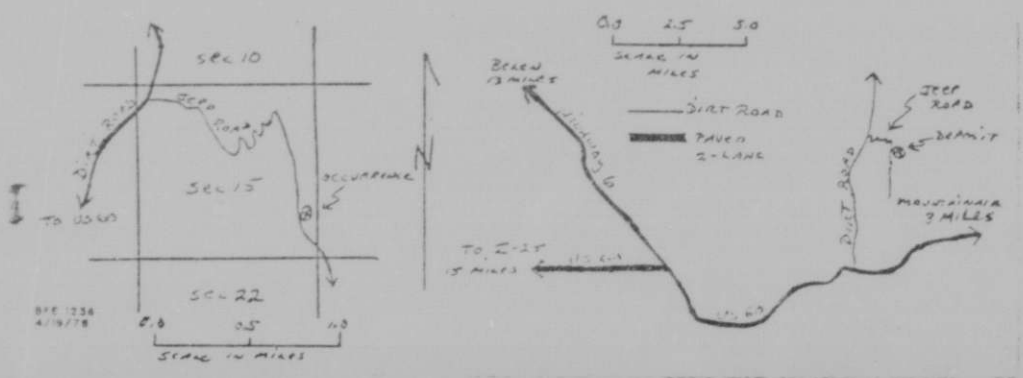
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<6200 FT>

Quad Scale A91<24000 > Quad Name A92<SCHOLLE>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 64_____

Commodities Present:
C10<U___CU_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<APPARENTLY ONCE WORKED___

FOR COPPER ORES_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<1 20 FT ADIT, 2 PROSPECT PITS_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 64

Deposit Form/Shape M10< STRATIFORM >

Length M40<_____> M41<__> FT/M

Width M50<_____> M51<__>

Thickness M60<_____> M61<__>

Strike M70<N 20 DEG E_____>

Dip M80<4 DEG SE_____>

Size M15 (circle letter) lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT IS LOCATED SOUTHEAST OF THE COLORADO PLATEAU AND EAST OF THE RIO GRANDE TROUGH>

Local Structures N70<DEPOSIT IS LOCATED JUST EAST OF THE MANZANO MOUNTAINS>

Host-FM. Name U1<ABO> Member U2<>

Host Rock K1<PERM (Age) SANDSTONE SILTSTONE AND SANDY SHALE, LIGHT GREY TO RED BROWN, TRASHY INTERBEDS HIGHLY CALCAREOUS CONTAIN LIMESTONE FRAGMENTS> (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<FLUVIAL> (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4<URANIUM MINERALS IN THE AREA SEEM TO BE ASSOCIATED WITH TRASHY LIMESTONE CONGLOMERATE BEDS>

Ore Minerals C30<POSSIBLY CARNOTITE, URANOPHANE, AUTUNITE, TORBERNITE, AND VOLBERTHITE>

Gangue Minerals K4<>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 64

Alteration N75<BLEACHING

Reductants U5<CARBONACEOUS TRASH(?)

Analytical Data (General) C43<1 SELECTED SAMPLE 2.15% U

Radiometric Data (General) U6<BACKGROUND = 35 CPS; ADIT WALL = 34 X
(No. times background and dimensions)
BACKGROUND IN THE SMALL AREA AROUND URANIUM MINERALIZATION, DUMP GIVES
3 X BACKGROUND

Ore Controls K5<LITHOLOGIC AND CHEMICAL AS DEPOSIT IS STRATIFORM AND
SEEMS TO BE ASSOCIATED WITH TRASHY BEDS

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

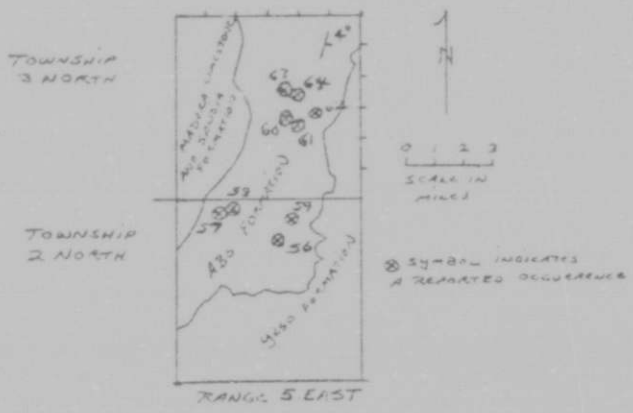
Quad Name SOCORRO

Deposit No. 64

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB RR-464 OPEN-FILED

F2<HILPERT, L. S., 1969, URANIUM RESOURCES OF NORTHWESTERN NEW MEXICO, GEOLOGICAL SURVEY PROFESSIONAL PAPER 603.

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 64

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 65>

Deposit Name A10<COPPER GIRL>

Synonym Name(s) A11<>

District or Area A30<SCHOLLE DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<TORRANCE>

Position from Prominent Locality A82<DEPOSIT AREA IS LOCATED 4.0 MILES S 20 DEG E OF MANZANO PEAK>

Field Checked G1<7907> (YrMo) By G2<HANNIGAN, BRIAN J.> (Last Name, First Initial)

Latitude A70<34-32-20N> (Dg Mn Sc) Longitude A80<106-25-13W> (Dg Mn Sc)

Township A77<004N> (N/S) Range A78<005E> (E/W) Section A79<28>

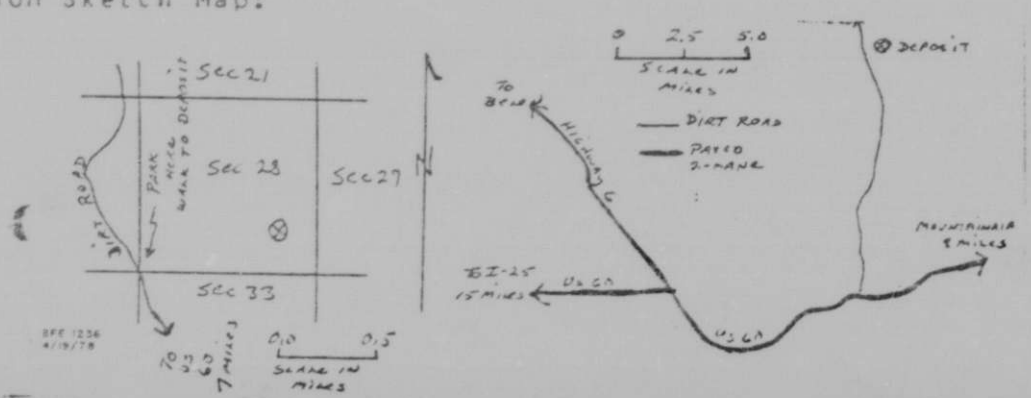
Meridian A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

Quad Scale A91<62500 > Quad Name A92<TORREON>

Physiographic Province A63<12 BASIN AND RANGE> (List K)

Location Comments A83<NO PASSABLE ROAD LEADS TO THE DEPOSIT>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 65_____

Commodities Present:
C10<U___CU_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____
_____>

Status of Exploration and Development A20<3>
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____
_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<1 OPEN CUT 50M X 65M_____
_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____
_____>

Production Comments D10<
_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____
_____>

Comments E8<_____
_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 65

Deposit Form/Shape M10< STRATIFORM >

		FT/M	
Length	M40< >`	M41< >	Size M15 (circle letter)
Width	M50< >	M51< >	lb U308
Thickness	M60< >	M61< >	A 0-20,000
			B 20,000-200,000
Strike	M70< >		C 200,000-2,000,000
			D 2million - 20million
Dip	M80< >		E More than 20million

Tectonic Setting N15<MOBILE BELT>

Major Regional Structures N5<DEPOSIT IS LOCATED EAST OF THE RIO GRANDE TROUGH, SOUTHEAST OF THE COLORADO PLATEAU>

Local Structures N70<THE DEPOSIT IS LOCATED JUST EAST OF THE MANZANO MOUNTAINS>

Host-FM. Name U1<ABO> Member U2< >

Host Rock K1<PERM (Age) SANDSTONE SILTSTONE AND SANDY SHALE WITH (Rock type, texture, composition, LIMESTONE CONGLOMERATE INTERBEDS>
color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<FLUVIAL (Sed. dep. environ., metamorphic facies, ign. environ.)>

Comments on Associated Rocks U4< >

Ore Minerals C30< >

Gangue Minerals K4< >

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 65_____

Alteration N75<BLEACHING_____

Reductants U5<_____

Analytical Data (General) C43<0.10% AND 1.0% U308_____

Radiometric Data (General) U6<BACKGROUND = 30 CPS, 10-30 X BACKGROUND_
(No. times background and dimensions)
ON FOSSIL LOGS, 50 X BACKGROUND ON STOCK PILE_____>

Ore Controls K5<PROBABLY LITHOLOGIC AND CHEMICAL AS THE DEPOSIT IS____
STRATIFORM AND SEEMS TO BE ASSOCIATED WITH THE LIMESTONE CONGLOMERATE>

Deposit Class C40<EPIGENETIC SANDSTONE_____> Class No. U7<240>

Comments on Geology N85<_____

URANIUM-OCCURRENCE

REPORT

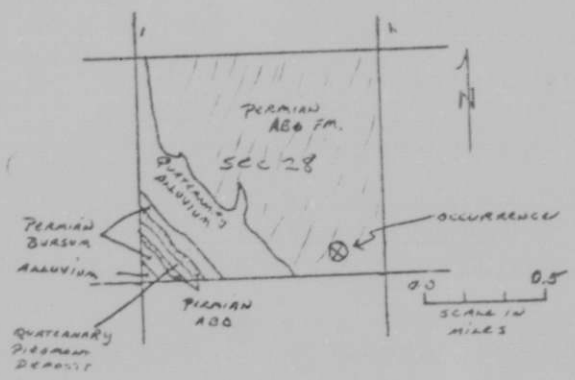
Quad Name SOCORRO

Deposit No. 65

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<AEC PRELIMINARY RECONNAISSANCE REPORT DEB MR/4/55 OPEN-FILED

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 65

Continuation from p. 1-5

Label

URANIUM-OCCURRENCE

REPORT

Quad Name A90<SOCORRO>

Quad Scale A100< 250000>

Deposit No. B40< 66>

Deposit Name A10<THOMAS AND MELBOURN>

Synonym Name(s) A11<>

District or Area A30<SCHOLLE DISTRICT>

Country A40<US> US State NEW MEXICO

State Code A50<35> 35 County A60<TORRANCE>

Position from Prominent Locality A82<DEPOSIT AREA IS LOCATED 2.5 MILES S 60 DEG E OF MANZANO PEAK>

Field Checked G1<7907> By G2<HANNIGAN, BRIAN J.>
YrMo Last Name First Initial

Latitude A70<34-34-20N> Longitude A80<106-24-30W>
Dg Mn Sc Dg Mn Sc

Township A77<004N> Range A78<005E> Section A79<15>
N/S E/W

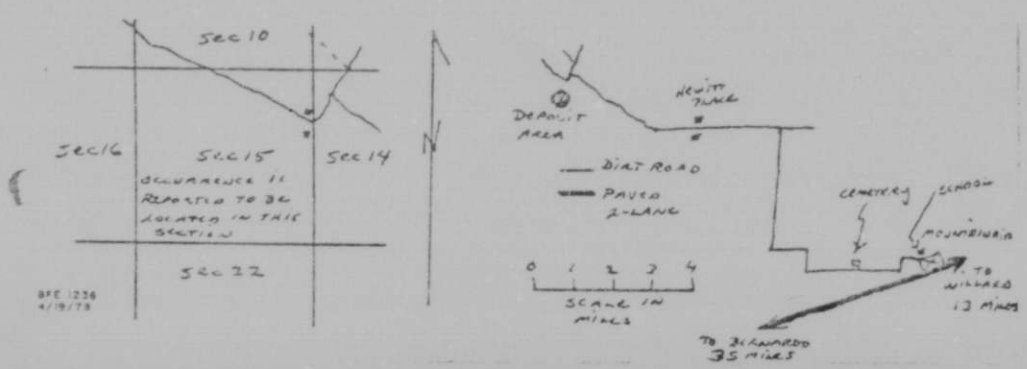
Merician A81<NEW MEXICO PRINCIPAL MERIDIAN> Altitude A107<>

Quad Scale A91<62500 > Quad Name A92<TORREON>

Physiographic Province A63<12 BASIN AND RANGE>
(List K)

Location Comments A83<OCCURRENCE COULD NOT BE LOCATED ON 7/7/79>

Location Sketch Map:



URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 66_____

Commodities Present:
C10<U___CU__AU_____>
Commodities Produced:
MAJOR<_____> COPROD<_____>
MINOR<_____> BYPROD<_____>

Potential Commodities:
POTEN<_____> OCCUR<_____>

Commodity Comments C50<_____

_____>

Status of Exploration and Development A20< >
1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer

Comments on Exploration and Development L110<_____

_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220<_____

_____>

Cumulative Uranium Production PROD YES NO SML MED LGE (Circle)

DH2
accuracy thousands of lb. years grade
G7<U___> G7A<_____> G7B<LB> G7C<_____> G7D<_____% U308>

Source of Information D9<_____

_____>

Production Comments D10<

_____>

Reserves and Potential Resources
EH
accuracy thousands of lb. year of est. grade
E1<U___> E1A<_____> E1B<LB> E1C<____> E1D<_____% U308>

Source of Information E7<_____

_____>

Comments E8<_____

_____>

URANIUM-OCCURRENCE REPORT

Quad Name SOCORRO

Deposit No. 66

Deposit Form/Shape M10< VEIN >

Length M40< > FT/M M41< >

Width M50< > M51< >

Thickness M60< > M61< >

Strike M70< >

Dip M80< >

Size M15 (circle letter) lb U308

A 0-20,000
B 20,000-200,000
C 200,000-2,000,000
D 2million - 20million
E More than 20million

Tectonic Setting N15<MOBILE BELT >

Major Regional Structures N5<DEPOSIT IS LOCATED EAST OF THE RIO GRANDE TROUGH AND SOUTH EAST OF THE COLORADO PLATEAU >

Local Structures N70<THE DEPOSIT IS LOCATED JUST EAST OF THE MANZANO MOUNTAINS >

Host-FM. Name U1<ABO > Member U2< >

Host Rock K1<PERM >
(Age) (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3<FLUVIAL >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4< >

Ore Minerals C30< >

Gangue Minerals K4< >

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO

Deposit No. 66

Alteration N75<SILICIFICATION

Reductants U5<

Analytical Data (General) C43<ONE SAMPLE 2.15% U

Radiometric Data (General) U6<
(No. times background and dimensions)

Ore Controls K5<

Deposit Class C40<EPIGENETIC SANDSTONE> Class No. U7<240>

Comments on Geology N85<

URANIUM-OCCURRENCE

REPORT

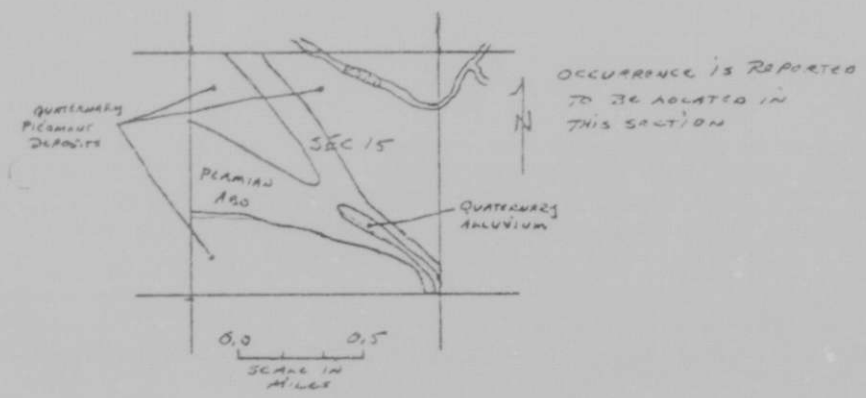
Quad Name SOCORRO

Deposit No. 66

Uranium Analysis:

Sample No.	Sample Description	Uranium Analysis

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1<MINERAL REPORT FORM SUBMITTED BY OWNER 2/26/51

F2<

F3<

F4<

URANIUM-OCCURRENCE

REPORT

Quad Name SOCORRO_____

Deposit No. 66_____

Continuation from p. 1-5

Label