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YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

SITE ATLAS

YUCCA MOUNTAIN
NYE COUNTY, NEVADA

PREPARED BY
EG&G ENERGY MEASUREMENTS, INC
REMOTE SENSING LABORATORY

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PDR WASTE

SITE ATLAS EXECUTIVE SUMMARY

The U.S. Department of Energy (DOE) has been conducting a program for siting an underground repository for permanent disposal of high-level radioactive waste. The process was initiated in February of 1983 when the DOE identified Yucca Mountain as one of nine potential repository sites. All nine sites were evaluated in accordance with the DOE's General Guidelines for the Recommendation of Sites for Nuclear Waste Repositories (10 CFR Part 960). The evaluations of these sites were reported in nine draft Environmental Assessments (EAs) prepared pursuant to Section 112 of the Nuclear Waste Policy Act of 1982 (NWPA). The draft EAs were issued for public review and comment in December 1984. Final EAs were published in May of 1986 for the five sites nominated for further study.

Yucca Mountain became one of three candidate sites on May 28, 1986, with the publication of the Environmental Assessment, the recommendation for site characterization by the Secretary of the U.S. Department of Energy, and approval by the President. On December 21, 1987, the U.S. Congress passed the Nuclear Waste Policy Amendments Act of 1987, which directed the DOE to characterize the Yucca Mountain site and to terminate site-specific activities at the other two sites.

An extensive program of characterization investigations must be conducted and evaluated before a site can be judged suitable for development as a repository. The DOE, as directed under the NWPA, is the Federal agency responsible for conducting these investigations. According to the NWPA, site characterization refers to those research activities (whether in the field or in the laboratory) that are undertaken to establish the geologic character and the range of parameters relevant to an evaluation of a candidate site's suitability.

The purpose of the Site Atlas is to provide a management tool for the Yucca Mountain Site Characterization Project Office (YMPO) by providing the location and areas of coverage of field activities that have been conducted and are planned to be conducted at Yucca Mountain.

The first release of the Site Atlas (October 1988) was prepared by Holmes and Narver as a reference document for existing field activities. A companion document of planned activities (the Surface-Based Investigations Plan [SBIP]) was issued in December of 1988. These documents provided maps showing the locations of field activities. A separate database was maintained with detailed descriptive data about the sources of the locational data.

The current version of the Site Atlas was developed using an automated Geographic Information System (GIS). By using a GIS approach, it is possible to link the location of field activities with a relational database that maintains descriptive attribute information. Locational information for existing and planned field investigations from the original Site Atlas and SBIP are combined and updated in this version of the Site Atlas and are maintained in a GIS database. The information contained in the Site Atlas provides a reference for locations of existing and proposed site characterization field activities.

General categories of activities contained in the Site Atlas include: administrative boundaries, sociological data, drillholes, trenches, geologic test pits, bedrock pavements, and ecological, hydrologic, geologic, and geophysical studies.

The Site Atlas was prepared by the Remote Sensing Laboratory operated for the DOE by EG&G Energy Measurements, Inc. It is scheduled to be updated annually.

HOW TO USE THE SITE ATLAS

Site Atlas Index Sections providing titles and numbers of Site Atlas maps

Section 1 - Land Administration
Section 2 - Sociology
Section 3 - Drillholes, Trenches, Pits, and Pavements
Section 4 - Ecology
Section 5 - Hydrology
Section 6 - Geology
Section 7 - Geophysics

Activity Index List of specific activities with Activity ID, Activity Type, and Map Number

Basemaps Section 1 contains the basemaps that are used in the Site Atlas Basemaps at various scales and areas of coverage range from statewide regional information to localized site characterization study areas Maps shown in Section 1 have political, administrative, and project boundaries labeled and identified To avoid clutter, subsequent maps have only field activities labeled Users may need to refer to Section 1 maps to identify the names of some basemap boundary features Each basemap has an associated legend that describes map symbology and provides map source information

Format The Site Atlas provides a map on the right page with a facing text page on the left listing locational information for map point features For each point feature identified on a map, the description will provide the map symbol, type of activity, location of the activity in latitude/longitude, elevation in feet or meters, and locational data source Each map presents reference ticks for latitude and longitude, Nevada State Plane (feet) and Universal Transverse Mercator (meters) coordinates Existing field activities are shown in blue Proposed field activities are shown in red.

Appendix A Index maps showing areas of coverage for map and photographic data
Included are indexes for orthophotography generated at map scales of 1 6,000 and 1 12,000 over the Yucca Mountain Site bedrock and surficial geology maps, and aeromagnetic and gravity surveys

Appendix B Standard Conversions
Included are the International System of Units describing the modern metric system and Standard Conversion Factors that are frequently used.

Appendix C Gazetteer or listing of geographical names for Southern Nevada
The Gazetteer provides the names of geographic features, the type of feature, and its location in latitude and longitude The Gazetteer is taken from the U S Geological Survey Geographic Names Information System (GNIS) digital files for Nevada, cultural features are also available from the GNIS but are not provided in this Appendix

Appendix D Data References with citations for the source of field activity locations

The Site Atlas maps are provided as an informational source Precise measurements cannot be made from them The information displayed on the maps can be provided to Project participants upon request in a variety of projections or units and in digital or analog forms

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SITE CHARACTERIZATION PROJECT
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5	Seismic Monitoring Network	SA7 1 0
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7	Seismic Monitoring Network	SA7-1 0
8	Seismic Monitoring Network	SA7-1.0
9	Seismic Monitoring Network	SA7-1 0
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12	Seismic Monitoring Network	SA7-1.0
13	Seismic Monitoring Network	SA7-1 0
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16	Seismic Monitoring Network	SA7-1 0
30	U-Series Dating Sample Loc	SA6-2 0
31	U-Series Dating Sample Loc	SA6-2 0
32	U-Series Dating Sample Loc	SA6-2 0
40	U-Series Dating Sample Loc	SA6-2.0
45	U-Series Dating Sample Loc	SA6-2.0
46	U-Series Dating Sample Loc	SA6-2 0
47	U-Series Dating Sample Loc	SA6-2.0
48	U-Series Dating Sample Loc	SA6-2.0
50	U-Series Dating Sample Loc	SA6-2.0
51	U-Series Dating Sample Loc	SA6-2.0
59	U-Series Dating Sample Loc	SA6-2.0
60	U-Series Dating Sample Loc	SA6-2.0
62	U-Series Dating Sample Loc	SA6-2.0
97	U-Series Dating Sample Loc	SA6-2.0
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112	U-Series Dating Sample Loc	SA6-2.0
113	U-Series Dating Sample Loc	SA6-2.0
154	U-Series Dating Sample Loc	SA6 2 0
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368	U-Series Dating Sample Loc	SA6-2.0
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412	U-Series Dating Sample Loc	SA6 2 0
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80-10-20F	U-Series Dating Sample Loc	SA6-2 0
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10247890	Misc Streamflow Station	SA5-7 0
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10251220	Crest Stage Station	SA5-7 0
10251244	Misc Streamflow Station	SA5-7 0
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10251250	Complete Rec Gauging Station	SA5-7 0
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10251258	Precipitation Station	SA5-7 0
10251258	Complete Rec Gauging Station	SA5-7 0
10251260	Crest Stage Station	SA5-7 0
10251260	Precipitation Station	SA5-7 0
10251262	Precipitation Station	SA5-7 0
10251265	Precipitation Station	SA5-7 0
10251265	Crest Stage Station	SA5-7 0
10251266	Misc Streamflow Station	SA5-7 0
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10251270	Crest Stage Station	SA5-7 0
10251270	Precipitation Station	SA5-7.0
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102512532	Misc Streamflow Station	SA5-8 0
102512533	Misc Streamflow Station	SA5-8.0
102512535	Misc Streamflow Station	SA5-8.0
102512536	Misc Streamflow Station	SA5-8 0
102512537	Misc Streamflow Station	SA5-8 0
AD1	Water-Level Monitoring Site	SA5-5 0
AD2	Water-Level Monitoring Site	SA5-5 0
AD3	Water-Level Monitoring Site	SA5 5.0
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AD5	Water-Level Monitoring Site	SA5-5 0

ACTIVITY ID	ACTIVITY TYPE	MAP NO.
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AD7	Water-Level Monitoring Site	SA5-5.0
AD8	Water-Level Monitoring Site	SA5-5.0
AD9	Water-Level Monitoring Site	SA5-5.0
AD10	Water-Level Monitoring Site	SA5-5.0
AD11	Water-Level Monitoring Site	SA5-5 0
AD12	Water-Level Monitoring Site	SA5-5 0
AD13	Water-Level Monitoring Site	SA5-5 0
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AD15	Water-Level Monitoring Site	SA5-5 0
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AM-9	U-Series Dating Sample Loc	SA6-2 0
AMR-Amargosa	Seismic Monitoring Network	SA7-1.0
ANDY	Meteorological Mon Station	SA5-7 0
Antelope Spg	GW Geochemistry Station	SA5-2.0
APKW-Angel Peak	Seismic Monitoring Network	SA7-1.0
Austin	Temperature/Precipitation Sta	SA5-2 0
Bare Mountain 1	Trench	SA3-10 0
Bare Mountain 2	Trench	SA3-10.0
Barrel Spg	GW Geochemistry Station	SA5-2.0
Beatty	Temperature/Precipitation Sta	SA5-2.0
BGB-Big Butte	Seismic Monitoring Network	SA7-1 0
Black Spg	GW Geochemistry Station	SA5-2.0
BLT-Belted Range	Seismic Monitoring Network	SA7-1.0
BMT-Black Mtn	Seismic Monitoring Network	SA7-1.0
Breen Crk @ Rain Spg	GW Geochemistry Station	SA5-2 0
Cactus Spg	GW Geochemistry Station	SA5-2.0
CAROLYN	Meteorological Mon Station	SA5-8.0
Carrol Summit Spg	GW Geochemistry Station	SA5-2.0
Cave Spg	GW Geochemistry Station	SA5-2.0
CDH-Calico Dwnhole	Seismic Monitoring Network	SA7-1 0
Cedar Spg	GW Geochemistry Station	SA5-2.0
CF1	Water-Level Monitoring Site	SA5-5 0
CF2	Water-Level Monitoring Site	SA5-5 0
CF3	Water-Level Monitoring Site	SA5-5 0
CFS(E)	Trench	SA3-10 0
CFS(W)	Trench	SA3-10 0
China Spg	GW Geochemistry Station	SA5-2 0
CJ1	Precipitation Collectors	SA5-7.0
COL1C	Ecological Study Plot	SA4-1 0
COL2C	Ecological Study Plot	SA4-1 0
COL3C	Ecological Study Plot	SA4-1 0
COL4C	Ecological Study Plot	SA4-1 0
COL5C	Ecological Study Plot	SA4 1 0
COL6C	Ecological Study Plot	SA4-1.0
COL1T	Ecological Study Plot	SA4-1.0
COL2T	Ecological Study Plot	SA4-1.0
COL3T	Ecological Study Plot	SA4-1 0
COL4T	Ecological Study Plot	SA4-1.0
COL5T	Ecological Study Plot	SA4-1 0
COL6T	Ecological Study Plot	SA4-1 0
Corcoran Cyn Spg	GW Geochemistry Station	SA5-2 0
Corral Spg	GW Geochemistry Station	SA5-2.0
Cottonwood Cr Spg	GW Geochemistry Station	SA5-2 0
Coyote Spg	GW Geochemistry Station	SA5-2 0
CPX-CP-56	Seismic Monitoring Network	SA7-1.0
Crankshaft Jct, CA	Woodrat Midden	SA5-1 0
Crow Spg	GW Geochemistry Station	SA5-2.0
CTS-Cactus Peak	Seismic Monitoring Network	SA7-1 0
DIANNE	Meteorological Mon Station	SA5-8.0
DLM-Delmar Mtn	Seismic Monitoring Network	SA7-1 0
Eden Crk Ranch Spg	GW Geochemistry Station	SA5-2 0
Eleana Range 2	Woodrat Midden	SA5-1 0
Eleana Range 3	Woodrat Midden	SA5-1 0
Elko	Temperature/Precipitation Sta	SA5-2 0
Ely	Temperature/Precipitation Sta	SA5-2 0
EMN-Eldorado Mtn	Seismic Monitoring Network	SA7-1 0
EPN Echo Pk	Seismic Monitoring Network	SA7 1 0
EPR East Frahramagat	Seismic Monitoring Network	SA7-1 0
Eureka	Temperature/Precipitation Sta	SA5-2 0
F. FLAT #1	Trench	SA3-10.0
F FLAT #2	Trench	SA3-10 0
FF58	Radiological Monitoring Plot	SA4-1 0

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FMT-Funeral Mtn	Seismic Monitoring Network	SA7-1 0
Fortymile Canyon 1	Woodrat Midden	SA5-1 0
Fortymile Canyon 2	Woodrat Midden	SA5-1 0
Fortymile Canyon 3	Woodrat Midden	SA5 1 0
Fortymile Canyon 4	Woodrat Midden	SA5-1 0
Fortymile Canyon 5	Woodrat Midden	SA5 1 0
Fortymile Canyon 6	Woodrat Midden	SA5-1 0
Fortymile Canyon 7	Woodrat Midden	SA5-1.0
Fortymile Canyon 8	Woodrat Midden	SA5 1 0
Fortymile Canyon 9	Woodrat Midden	SA5 1 0
Fortymile Canyon 10	Woodrat Midden	SA5-1 0
Fortymile Canyon 11	Woodrat Midden	SA5-1.0
Fortymile Canyon 12	Woodrat Midden	SA5-1.0
G-Tunnel	G-Tunnel	SA5-4 0
IAR	Meteorological Mon Station	SA5-6 0
Georges Water Spg	GW Geochemistry Station	SA5-2 0
Gilbert Spg	GW Geochemistry Station	SA5-2.0
GLR-Groom Lake	Seismic Monitoring Network	SA7 1.0
GMN-Gold Mtn	Seismic Monitoring Network	SA7-1.0
GMR-Groom Range	Seismic Monitoring Network	SA7-1.0
Grassy Spg	GW Geochemistry Station	SA5-2 0
GSF-TP 1	Pits	SA3-14 0
GSF-TP-2	Pits	SA3-14 0
GSF TP-3	Pits	SA3 14 0
GSF-TP-4	Pits	SA3-14 0
GSF-TP 5	Pits	SA3-14 0
GSF-TP-6	Pits	SA3-14 0
GSF-TP-7	Pits	SA3 14 0
GSF TP-8	Pits	SA3-14 0
GSF-TP-9	Pits	SA3-14 0
GSF-TP-10	Pits	SA3-14 0
GSF-TP-11	Pits	SA3-14 0
GSF-TP-12	Pits	SA3-14 0
GSF-TP-13	Pits	SA3-14 0
GSF-TP-14	Pits	SA3-14 0
GSF-TP-15	Pits	SA3-14.0
GSF-TP-16	Pits	SA3-14 0
GSF-TP-17	Pits	SA3-14 0
GSF-TP-18	Pits	SA3-14 0
GSF-TP-19	Pits	SA3 14.0
GSF-TP-20	Pits	SA3-14 0
GSF TP-21	Pits	SA3-14 0
GSF TP-22	Pits	SA3-14.0
GSF-TP-23	Pits	SA3 14 0
GSF TP-24	Pits	SA3-14 0
GSF-TP-25	Pits	SA3 14 0
GSF-TP-26	Pits	SA3-14.0
GSF-TP-27	Pits	SA3 14 0
GSF TP 9	Pits	SA3-14.0
GSF TP 29	Pits	SA3-14 0
GSF TP 30	Pits	SA3-14 0
GSF-TP 31	Pits	SA3-14 0
GSF-TP-32	Pits	SA3-14 0
GSF-TP-33	Pits	SA3 14 0
GSF-TP-34	Pits	SA3 14 0
GSF-TP 35	Pits	SA3-14 0
GSF TP 36	Pits	SA3-14 0
GSF-TP-37	Pits	SA3-14 0
GSF-TP-38	Pits	SA3 14 0
GSF TP-39	Pits	SA3 14 0
GWN Grapevine Cyn	Seismic Monitoring Network	SA7 1 0
GWY Green Water V	Seismic Monitoring Network	SA7 1 0
1	U Series Dating Sample Loc	SA6-2 0
2	U Series Dating Sample Loc	SA6-2 0
Hancock Summit	Woodrat Midden	SA5 1.0
HCR-Hot Creek	Seismic Monitoring Network	SA7-1.0
Hellie Acre Gulch Spg	GW Geochemistry Station	SA5-2 0
Horse Trough Spg	GW Geochemistry Station	SA5-2.0
Iceberg Spg	GW Geochemistry Station	SA5 2 0
Indian Spg I	GW Geochemistry Station	SA5-2 0
Indian Spg II	GW Geochemistry Station	SA5-2 0
Indian Ranch Spg	GW Geochemistry Station	SA5-2 0
Ione Spg	GW Geochemistry Station	SA5-2 0
J11	Water Well	SA3-5 0
J11	Water-Level Monitoring Site	SA5 5 0
J12	Water Well	SA3 5 0
J12	Water Level Monitoring Site	SA5 5 0
J12	GW Geochemistry Station	SA5-3 0
J13	Water Well	SA3-5 0
J13	Water-Level Monitoring Site	SA5 5 0
J13	GW Geochemistry Station	SA5 3.0
JENNIFER	Meteorological Mon Station	SA5-7 0
J1	Water-Level Monitoring Site	SA5 5 0
J2	Water-Level Monitoring Site	SA5 5 0
J3	Water Level Monitoring Site	SA5 5 0
JOANNE	Meteorological Mon Station	SA5 7 0

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JON-Johnny	Seismic Monitoring Network	SA7-1 0
KATHY	Meteorological Mon Station	SA5-6 0
KI	Meteorological Mon Station	SA5-7 0
KRN-A Kawich Range	Seismic Monitoring Network	SA7-1 0
LA2C	Ecological Study Plot	SA4-1 0
LA3C	Ecological Study Plot	SA4 1 0
LA4C	Ecological Study Plot	SA4-1 0
LA5C	Ecological Study Plot	SA4-1.0
LA6C	Ecological Study Plot	SA4 1 0
LA7C	Ecological Study Plot	SA4-1 0
LA1T	Ecological Study Plot	SA4-1 0
LA2T	Ecological Study Plot	SA4-1.0
LA3T	Ecological Study Plot	SA4 1 0
LA4T	Ecological Study Plot	SA4-1 0
LA5T	Ecological Study Plot	SA4-1 0
LA7T	Ecological Study Plot	SA4-1.0
LG1C	Ecological Study Plot	SA4-1 0
LG2C	Ecological Study Plot	SA4-1 0
LG3C	Ecological Study Plot	SA4-1 0
LG4C	Ecological Study Plot	SA4-1.0
LG5C	Ecological Study Plot	SA4-1 0
LG6C	Ecological Study Plot	SA4-1 0
LG2T	Ecological Study Plot	SA4-1 0
LG3T	Ecological Study Plot	SA4-1 0
LG4T	Ecological Study Plot	SA4-1 0
LG5T	Ecological Study Plot	SA4-1 0
LG6T	Ecological Study Plot	SA4-1 0
LG7T	Ecological Study Plot	SA4 1 0
LLG3C	Ecological Study Plot	SA4 1 0
LLG4C	Ecological Study Plot	SA4-1 0
LLG5C	Ecological Study Plot	SA4-1 0
LLG7C	Ecological Study Plot	SA4-1 0
LLG8C	Ecological Study Plot	SA4 1 0
LLG9C	Ecological Study Plot	SA4-1 0
LLG1T	Ecological Study Plot	SA4-1 0
LLG2T	Ecological Study Plot	SA4-1 0
LLG4T	Ecological Study Plot	SA4-1 0
LLG5T	Ecological Study Plot	SA4 1.0
LLG6T	Ecological Study Plot	SA4-1 0
LLG7T	Ecological Study Plot	SA4-1 0
Last Chance Range 1	Woodrat Midden	SA5-1 0
Last Chance Range 2	Woodrat Midden	SA5 1.0
LCR-Last Chance R	Seismic Monitoring Network	SA7-1 0
Little Skull Mtn	Woodrat Midden	SA5 1 0
LOP Look Out Peak	Seismic Monitoring Network	SA7 1 0
Lower Cripple Spg	GW Geochemistry Station	SA5-2 0
LSM-Little Skull Mtn	Seismic Monitoring Network	SA7-1 0
LUCKY	Meteorological Mon Station	SA5-6 0
Lysimeter 1	Lysimeter	SA5-4 0
Lysimeter 2	Lysimeter	SA5-4 0
Lysimeter 3	Lysimeter	SA5 4 0
Lysimeter 4	Lysimeter	SA5-4 0
Lysimeter 5	Lysimeter	SA5-4 0
Lysimeter 6	Lysimeter	SA5-4 0
Lysimeter 7	Lysimeter	SA5-4 0
Lysimeter 8	Lysimeter	SA5-4 0
Lysimeter 9	Lysimeter	SA5-4 0
Lysimeter 10	Lysimeter	SA5-4 0
MARGE	Meteorological Mon Station	SA5-8 0
Martin Ranch Spg	GW Geochemistry Station	SA5-2 0
MCA-Marble Canyon	Seismic Monitoring Network	SA7 1 0
McCann Cyn Spg	GW Geochemistry Station	SA5-2 0
MCY-Mercury	Seismic Monitoring Network	SA7-1 0
Meadow Cyn Spg	GW Geochemistry Station	SA5-2 0
MGM-Magnudat Mtn	Seismic Monitoring Network	SA7-1 0
MWV-T1	Trench	SA3-11 0
MWV-T2	Trench	SA3 11 0
MTI Mount Irish	Seismic Monitoring Network	SA7-1 0
Mustang Spg	GW Geochemistry Station	SA5 2 0
MV1	Water-Level Monitoring Site	SA5 5 0
MWV-P1	Pit	SA3-14 0
MWV-P2	Pit	SA3-14 0
MWV-P3	Pit	SA3 14 0
MWV-P4	Pit	SA3 14 0
MWV P5	Pit	SA3 14 0
MWV P6	Pit	SA3-11 0
MWV-P7	Pit	SA3 14 0
MWV P8	Pit	SA3 14 0
MWV-P9	Pit	SA3-14 0
MWV-P10	Pit	SA3 14 0
MWV-P11	Pit	SA3-14 0
MWV-P12	Pit	SA3-14 0
MWV-P13	Pit	SA3-14 0
MWV-P14	Pit	SA3 14 0
MWV-P15	Pit	SA3 14 0
MWV P16	Pit	SA3-14 0

ACTIVITY ID	ACTIVITY TYPE	MAP NO.
MWV-P17	Pit	SA3-14.0
MWV-P18	Pit	SA3-14.0
MWV-P19	Pit	SA3-14.0
MWV-P20	Pit	SA3-14.0
MWV-P21	Pit	SA3-14.0
MWV-P22	Pit	SA3-14.0
MWV-P23	Pit	SA3-14.0
MWV-P24	Pit	SA3-14.0
MWV-P25	Pit	SA3-14.0
MWV-P26	Pit	SA3-14.0
MZP Montezuma Pk.	Seismic Monitoring Network	SA7-1.0
NF2	Radiological Monitoring Plot	SA4-1.0
NF2	Radiological Monitoring Plot	SA4-1.0
NF2	Radiological Monitoring Plot	SA4-1.0
NF5	Radiological Monitoring Plot	SA4-1.0
NF13	Radiological Monitoring Plot	SA4-1.0
NF14	Radiological Monitoring Plot	SA4-1.0
NF14	Radiological Monitoring Plot	SA4-1.0
NF20	Deer Forage Area	SA4-1.0
NF24	Deer Forage Area	SA4-1.0
NF25	Deer Forage Area	SA4-1.0
NF26	Deer Forage Area	SA4-1.0
NF27	Deer Forage Area	SA4-1.0
NF28	Deer Forage Area	SA4-1.0
NF31	Deer Forage Area	SA4-1.0
NF32	Deer Forage Area	SA4-1.0
NF33	Deer Forage Area	SA4-1.0
NF34	Deer Forage Area	SA4-1.0
NF36	Deer Forage Area	SA4-1.0
NF37	Radiological Monitoring Plot	SA4-1.0
NF38	Deer Forage Area	SA4-1.0
NF39	Deer Forage Area	SA4-1.0
NF40	Deer Forage Area	SA4-1.0
NF45	Deer Forage Area	SA4-1.0
NF57	Deer Forage Area	SA4-1.0
NF59	Radiological Monitoring Plot	SA4-1.0
NF68	Deer Forage Area	SA4-1.0
NF69	Radiological Monitoring Plot	SA4-1.0
NF70	Deer Forage Area	SA4-1.0
NF71	Deer Forage Area	SA4-1.0
NF72	Deer Forage Area	SA4-1.0
NF73	Deer Forage Area	SA4-1.0
NF74	Deer Forage Area	SA4-1.0
NF75	Deer Forage Area	SA4-1.0
NF76	Deer Forage Area	SA4-1.0
NF77	Deer Forage Area	SA4-1.0
NF78	Deer Forage Area	SA4-1.0
NF79	Deer Forage Area	SA4-1.0
NF80	Deer Forage Area	SA4-1.0
NF81	Deer Forage Area	SA4-1.0
NF82	Deer Forage Area	SA4-1.0
NF83	Deer Forage Area	SA4-1.0
NF84	Deer Forage Area	SA4-1.0
NF85	Deer Forage Area	SA4-1.0
NFCW	Precipitation Station	SA5-8.0
NOP-Nopah Range	Seismic Monitoring Network	SA7-1.0
NPN-North Pahroc R.	Seismic Monitoring Network	SA7-1.0
NRSF-TP-1	Pits	SA3-13.0
NRSF-TP-2	Pits	SA3-13.0
NRSF-TP-3	Pits	SA3-13.0
NRSF-TP-4	Pits	SA3-13.0
NRSF-TP-5	Pits	SA3-13.0
NRSF-TP-6	Pits	SA3-13.0
NRSF-TP-7	Pits	SA3-13.0
NRSF-TP-8	Pits	SA3-13.0
NRSF-TP-9	Pits	SA3-13.0
NRSF-TP-10	Pits	SA3-13.0
NRSF-TP-11	Pits	SA3-13.0
NRSF-TP-12	Pits	SA3-13.0
NRSF-TP-13	Pits	SA3-13.0
NRSF-TP-14	Pits	SA3-13.0
NRSF-TP-15	Pits	SA3-13.0
NRSF-TP-16	Pits	SA3-13.0
NRSF-TP-17	Pits	SA3-13.0
NRSF-TP-18	Pits	SA3-13.0
NRSF-TP-19	Pits	SA3-13.0
NRSF-TP-20	Pits	SA3-13.0
NRSF-TP-21	Pits	SA3-13.0
NRSF-TP-22	Pits	SA3-13.0
NRSF-TP-23	Pits	SA3-13.0
NRSF-TP-24	Pits	SA3-13.0
NRSF-TP-25	Pits	SA3-13.0
NRSF-TP-26	Pits	SA3-13.0
NRSF-TP-27	Pits	SA3-13.0
NRSF-TP-27a	Pits	SA3-13.0
NRSF-TP-28	Pits	SA3-13.0

ACTIVITY ID	ACTIVITY TYPE	MAP NO.
NRSF-TP-29	Pits	SA3-13.0
NRSF-TP-30	Pits	SA3-13.0
NRSF-TP-31	Pits	SA3-13.0
NRSF-TP-32	Pits	SA3-13.0
NTS10 ALICE HILL	Meteorological Mon Tower	SA5-8.0
NTS10 40 Mi WASH	Meteorological Mon Tower	SA5-7.0
NTS10 COY WASH	Meteorological Mon Tower	SA5-8.0
NTS10 YUCCA MTN	Meteorological Mon Tower	SA5-7.0
NTS60 REPOSITORY	Meteorological Mon Tower	SA5-8.0
Owl Canyon 1	Woodrat Midden	SA5-1.0
Owl Canyon 2	Woodrat Midden	SA5-1.0
Owl Canyon 3	Woodrat Midden	SA5-1.0
Owl Canyon	Woodrat Midden	SA5-1.0
P1	Prospector Pit	SA3-12.0
P2	Prospector Pit	SA3-12.0
P3	Prospector Pit	SA3-12.0
P4	Prospector Pit	SA3-12.0
P5	Prospector Pit	SA3-12.0
P1	Prec/Streamflow Mon Station	SA5-9.0
P2	Prec/Streamflow Mon Station	SA5-9.0
P3	Prec/Streamflow Mon Station	SA5-9.0
P4	Prec/Streamflow Mon Station	SA5-9.0
Pahranagat Range 1	Woodrat Midden	SA5-1.0
Pahranagat Range 2	Woodrat Midden	SA5-1.0
Pahranagat Wash	Woodrat Midden	SA5-1.0
Pahroc Spg	GW Geochemistry Station	SA5-2.0
PAN-Panamint Range	Seismic Monitoring Network	SA7-1.0
Park Cyn Spg	GW Geochemistry Station	SA5-2.0
Pavement 100	Geologic Pavements	SA3-13.0
Pavement 200	Geologic Pavements	SA3-13.0
Pavement 300	Geologic Pavements	SA3-13.0
Pavement 400	Geologic Pavements	SA3-13.0
Pavement 500	Geologic Pavements	SA3-13.0
Pavement 600	Geologic Pavements	SA3-13.0
Pavement 1000	Geologic Pavements	SA3-13.0
Peavine Cgrd Spg	GW Geochemistry Station	SA5-2.0
PMS1	Precipitation Monitoring Station	SA5-7.0
PMS2	Precipitation Monitoring Station	SA5-7.0
PMS3	Precipitation Monitoring Station	SA5-7.0
Point of Rocks 1	Woodrat Midden	SA5-1.0
Point of Rocks 2	Woodrat Midden	SA5-1.0
Point of Rocks 3	Woodrat Midden	SA5-1.0
Pewsey River Spg	GW Geochemistry Station	SA5-2.0
PPK-Piper Peak	Seismic Monitoring Network	SA7-1.0
PR 1	Rain Gauge	SA5-8.0
PR 3	Rain Gauge	SA5-7.0
PR 4	Rain Gauge	SA5-7.0
PRN-Pahranagat	Seismic Monitoring Network	SA7-1.0
PS44	Prec/Streamflow Mon Station	SA5-8.0
PS45	Prec/Streamflow Mon Station	SA5-8.0
PSF TP 1	Pits	SA3-14.0
PSF-TP-2	Pits	SA3-14.0
PSF-TP-3	Pits	SA3-14.0
PSF-TP-4	Pits	SA3-14.0
PSR1-1	Predator Survey Route	SA4-1.0
PSR1-2	Predator Survey Route	SA4-1.0
PSR2-1	Predator Survey Route	SA4-1.0
PSR2-2	Predator Survey Route	SA4-1.0
PSR3-1	Predator Survey Route	SA4-1.0
PSR3-2	Predator Survey Route	SA4-1.0
PT1	Precipitation Collectors	SA5-7.0
PT2	Precipitation Collectors	SA5-7.0
PT3	Precipitation Collectors	SA5-7.0
QCS-Qun Cty Smt	Seismic Monitoring Network	SA7-1.0
QSM-Qun Sheeba M	Seismic Monitoring Network	SA7-1.0
RAINIER MESA SOUTH	Precipitation Collectors	SA5-7.0
RC1	Precipitation Collectors	SA5-7.0
Reclamation Site #1	Reclamation Trial Plot	SA4-1.0
Reclamation Site #2	Reclamation Trial Plot	SA4-1.0
Reclamation Site #3	Reclamation Trial Plot	SA4-1.0
Reclamation Site #4	Reclamation Trial Plot	SA4-1.0
Reclamation Site #5	Reclamation Trial Plot	SA4-1.0
Rhyolite Ridge Spg	GW Geochemistry Station	SA5-2.0
ROBIN	Meteorological Mon Station	SA5-8.0
ROCK V #1	Trench	SA3-10.0
ROCK V. #2	Trench	SA3-10.0
Rose Spg	GW Geochemistry Station	SA5-2.0
RT1	Precipitation Collectors	SA5-7.0
RT2	Precipitation Collectors	SA5-7.0
RT3	Precipitation Collectors	SA5-7.0
RV1	Water-Level Monitoring Site	SA5-5.0
Rye Patch Spg	GW Geochemistry Station	SA5-2.0
SANDY	Meteorological Mon Station	SA5-8.0
SB1	Precipitation Collectors	SA5-7.0
SDH-Striped Hills	Seismic Monitoring Network	SA7-1.0
Seep 1	Seep	SA5-4.0

ICTIVITY ID	ACTIVITY TYPE	MAP NO
eep 2	Seep	SA5-4 0
eep 3	Seep	SA5-4 0
eep 4	Seep	SA5-4 0
F1	Recording Stage/Rain Gauge	SA5-7 0
F2	Recording Stage/Rain Gauge	SA5-7 0
F3	Recording Stage/Rain Gauge	SA5 7 0
F4	Recording Stage/Rain Gauge	SA5-7 0
F5	Recording Stage/Rain Gauge	SA5-7 0
F6	Recording Stage/Rain Gauge	SA5-7 0
F7	Recording Stage/Rain Gauge	SA5-7 0
GV-South Grapevine	Seismic Monitoring Network	SA7 1 0
HRG Sheep Range	Seismic Monitoring Network	SA7-1 0
ldehdl Spg	GW Geochemistry Station	SA5 2 0
M1	Soil Moisture Station	SA5-4 0
P	Precipitation Station	SA5-7 0
P1	Spring Discharge Mon Site	SA5-5.0
P2	Spring Discharge Mon Site	SA5 5 0
P3	Spring-Discharge Mon Site	SA5-5 0
P4	Spring-Discharge Mon Site	SA5-5 0
P5	Spring-Discharge Mon Site	SA5-5.0
pecter Range 1	Woodrat Midden	SA5-1 0
pecter Range 2	Woodrat Midden	SA5-1 0
pecter Range 3	Woodrat Midden	SA5-1 0
PFW-3	Trench	SA3-11.0
PFW-4	Trench	SA3-11 0
PFW-5	Trench	SA3-11 0
PFW-7	Trench	SA3-11 0
PFW-17	Trench	SA3-11 0
PFW-18	Trench	SA3 11 0
PFW-19	Trench	SA3 11 0
PYW-1	Trench	SA3 11 0
PYW-2	Trench	SA3-11 0
PYW-6	Trench	SA3-11.0
PYW-8	Trench	SA3-11 0
PYW-9	Trench	SA3-11 0
PYW-11	Trench	SA3-11 0
PYW-12	Trench	SA3-11 0
PYW-13	Trench	SA3-11 0
PYW-14	Trench	SA3-11 0
PYW-15	Trench	SA3-11 0
PYW-16	Trench	SA3-11 0
PYW-20	Trench	SA3-11 0
PYW-22	Trench	SA3-11 0
PRG-Striped Range	Seismic Monitoring Network	SA7 1 0
quaw Wells Spg	GW Geochemistry Station	SA5-2 0
R15	Recording Stage/Rain Gauge	SA5-6 0
R16	Recording Stage/Rain Gauge	SA5 7 0
R17	Recording Stage/Rain Gauge	SA5-7 0
R18	Recording Stage/Rain Gauge	SA5-7 0
R19	Recording Stage/Rain Gauge	SA5-8 0
RG-Seaman Range	Seismic Monitoring Network	SA7-1 0
SP Shoshone Peak	Seismic Monitoring Network	SA7-1 0
T1	Precipitation Collectors	SA5 7 0
T2	Precipitation Collectors	SA5-7 0
T3	Precipitation Collectors	SA5 7 0
T4	Precipitation Collectors	SA5-7 0
ation 11	Magnetotelluric Sounding Sta	SA7-9 0
ation 12	Magnetotelluric Sounding Sta	SA7-9 0
ation 13	Magnetotelluric Sounding Sta	SA7-9 0
ation 14	Magnetotelluric Sounding Sta	SA7-9 0
ation 16	Magnetotelluric Sounding Sta	SA7 9 0
ation 17	Magnetotelluric Sounding Sta	SA7-9 0
ation 18	Magnetotelluric Sounding Sta	SA7-9 0
ation 19	Magnetotelluric Sounding Sta	SA7-9 0
ation 20	Magnetotelluric Sounding Sta	SA7-9 0
ation 21	Magnetotelluric Sounding Sta	SA7-9 0
ation 22	Magnetotelluric Sounding Sta	SA7-9 0
ation 23	Magnetotelluric Sounding Sta	SA7-9 0
ation 24	Magnetotelluric Sounding Sta	SA7 9 0
ation 25	Magnetotelluric Sounding Sta	SA7-9 0
ation 26	Magnetotelluric Sounding Sta	SA7-9 0
evens Spg	GW Geochemistry Station	SA5-2 0
inking Seep Spg	GW Geochemistry Station	SA5 2 0
inking Spg	GW Geochemistry Station	SA5-2 0
TOP 9	U-Series Dating Sample Loc	SA6-2.0
/P-Silver Peak	Seismic Monitoring Network	SA7-1 0
1	Recording Sta/Rain Gauge	SA5 9 0
2	Recording Sta/Rain Gauge	SA5-9 0
3	Recording Sta/Rain Gauge	SA5-9 0
4	Recording Sta/Rain Gauge	SA5-9 0
6	Recording Sta/Rain Gauge	SA5-9 0
7	Recording Sta/Rain Gauge	SA5-9 0
9	Recording Sta/Rain Gauge	SA5-9 0
10	Recording Sta/Rain Gauge	SA5 9 0
11	Recording Sta/Rain Gauge	SA5 9 0
13	Recording Sta/Rain Gauge	SA5 9 0

ACTIVITY ID	ACTIVITY TYPE	MAP NO.
SY 14	Recording Sta/Rain Gauge	SA5-9 0
SY 16	Recording Sta/Rain Gauge	SA5-9 0
SY 17	Recording Sta/Rain Gauge	SA5-9 0
SY 18	Recording Sta/Rain Gauge	SA5-9.0
SY 19	Recording Sta/Rain Gauge	SA5-9 0
SY 20	Recording Sta/Rain Gauge	SA5 9 0
SY 21	Recording Sta/Rain Gauge	SA5-9.0
SY 22	Recording Sta/Rain Gauge	SA5-9 0
SY 23	Recording Sta/Rain Gauge	SA5-9 0
Test Well 8	GW Geochemistry Station	SA5-3 0
TEST PIT #1	Test Pit	SA3-13 0
TEST PIT #2	Test Pit	SA3-13 0
TEST PIT #3	Test Pit	SA3-13 0
The Seeps Spg	GW Geochemistry Station	SA5-2 0
TMBR-Timber Mtn	Seismic Monitoring Network	SA7 1 0
TMO Tin Mtn	Seismic Monitoring Network	SA7-1 0
TPU-Timpahute R	Seismic Monitoring Network	SA7 1 0
TR2	Trench	SA3-11 0
TR4	Trench	SA3 11 0
TR6	Trench	SA3 11.0
TR8	Trench	SA3-11 0
TR9	Trench	SA3 11.0
TR10A	Trench	SA3-11 0
TR10B	Trench	SA3-11 0
TR11	Trench	SA3-11 0
TR12	Trench	SA3-11 0
TR13	Trench	SA3-11 0
TR14	Trench	SA3-11 0
TR14A	Trench	SA3 11 0
TR14B	Trench	SA3-11 0
TR14C	Trench	SA3-11 0
TR14D	Trench	SA3-11 0
TR16	Trench	SA3 11 0
TR16B	Trench	SA3-11 0
TR17	Trench	SA3-11 0
TRA-1	Trench	SA3-11.0
TRA-2	Trench	SA3-11 0
TRBF-1	Trench	SA3-10 0
TRBF-2	Trench	SA3-10 0
TRCF1	Trench	SA3-11 0
TRCF2	Trench	SA3 10 0
TRCF3	Trench	SA3-10 0
TRENCH A-B-C D	Soil Trench	SA3-11 0
TRC Thirsty Canyon	Seismic Monitoring Network	SA7 1 0
TT1	Precipitation Collectors	SA5-7 0
TT2	Precipitation Collectors	SA5-7.0
TT3	Precipitation Collectors	SA5-7 0
U12N	Seep	SA5-4 0
U12N 03	Seep	SA5-4 0
U12N 05	Seep	SA5-4 0
U20a#2	GW Geochemistry Station	SA5 3 0
U20f	GW Geochemistry Station	SA5-3 0
Upr Peavine Cyn Spg	GW Geochemistry Station	SA5-2 0
U-5 Seismic #1	Seismic Drillhole	SA3-7 0
U 5 Seismic #2	Seismic Drillhole	SA3 7 0
U 25 Seismic #1	Seismic Hole	SA3 8 0
U-25 Seismic #2	Seismic Hole	SA3 8 0
U-25 Seismic #3	Seismic Hole	SA3 8 0
U-25 Seismic #4	Seismic Hole	SA3-8.0
U-25 Seismic #5	Seismic Hole	SA3-8 0
U-25 Seismic #6	Seismic Hole	SA3-8 0
U-25 Seismic #7	Seismic Hole	SA3-8 0
U-25 Seismic #8	Seismic Hole	SA3-8 0
U-25 Seismic #9	Seismic Hole	SA3-8 0
U-25 Seismic #10	Seismic Hole	SA3-8.0
U-25 Seismic #11	Seismic Hole	SA3-8 0
U-25 Seismic #12	Seismic Hole	SA3-8 0
U-25 Seismic #13	Seismic Hole	SA3 8 0
U 25 Seismic #14	Seismic Hole	SA3-8 0
U-25 Seismic #15	Seismic Hole	SA3 8 0
U-25 Seismic #16	Seismic Hole	SA3-8 0
U 25 Seismic #17	Seismic Hole	SA3 8 0
U-25 Seismic #18	Seismic Hole	SA3-8 0
U 25 Seismic #19	Seismic Hole	SA3 8 0
U-25 Seismic #20	Seismic Hole	SA3-7 0
U 25 Seismic #21	Seismic Hole	SA3-8 0
U 25 Seismic #22	Seismic Hole	SA3 7 0
U-25 Seismic #23	Seismic Hole	SA3 8 0
U-25 Seismic #24	Seismic Hole	SA3 8 0
U 26 Seismic #1	Seismic Hole	SA3 7 0
U-29 Seismic #1	Seismic Hole	SA3-7 0
U-30 Seismic #1	Seismic Hole	SA3 7 0
U-30 Seismic #2	Seismic Hole	SA3 7 0
U-25 TC #1	Logging Feasibility Test Hole	SA3-9 0
U 25 TC #2	Logging Feasibility Test Hole	SA3 9 0
U 25 TC #3	Logging Feasibility Test Hole	SA3 9 0

ACTIVITY ID	ACTIVITY TYPE	MAP NO.
U-25 TC #4	Logging Feasibility Test Hole	SA3-9 0
U-25 TCI #1	Logging Feasibility Test Hole	SA3 9 0
U-25 TCI #2	Logging Feasibility Test Hole	SA3-9.0
U-25 TCI #3	Logging Feasibility Test Hole	SA3-9 0
U-25 TCI #4	Logging Feasibility Test Hole	SA3-9 0
UE 25 FM#1	Forty Mile Rechg Hydro Hole	SA3-5 0
UE 25 FM#2	Forty Mile Rechg Hydro Hole	SA3-5 0
UE-25 FM#3	Forty Mile Rechg Hydro Hole	SA3 5 0
UE-25 G#7	Geo Expl. Corehole	SA3-2 0
UE-25 NRG-1	Ramp Design Drillhole	SA3-4 0
UE-25 NRG 2	Ramp Design Drillhole	SA3-4 0
UE-25 NRG-3	Ramp Design Drillhole	SA3-4 0
UE 25 NRG-4	Ramp Design Drillhole	SA3-4 0
UE 25 NRG-5	Ramp Design Drillhole	SA3-4 0
UE-25 NRG-6	Ramp Design Drillhole	SA3-4 0
UE-25 RF #1	Rep Surf Fac Site Exp Hole	SA3-4 0
UE-25 RF #2	Rep Surf Fac Site Exp Hole	SA3 4 0
UE-25 RF #3	Rep Surf Fac Site Exp Hole	SA3-4 0
UE-25 RF #3B	Rep Surf Fac Site Exp Hole	SA3-4 0
UE-25 RF #4	Rep Surf Fac Site Exp Hole	SA3-4.0
UE-25 RF #5	Rep Surf Fac Site Exp Hole	SA3-4 0
UE-25 RF #6	Rep Surf Fac Site Exp Hole	SA3-4 0
UE 25 RF #7	Rep Surf Fac Site Exp Hole	SA3-4 0
UE-25 RF #7A	Rep Surf Fac Site Exp Hole	SA3-4 0
UE-25 RF #8	Rep Surf Fac Site Exp Hole	SA3-4 0
UE 25 RF #9	Rep Surf Fac Site Exp Hole	SA3-4 0
UE-25 RF #10	Rep Surf Fac Site Exp Hole	SA3-4 0
UE-25 RF #11	Rep Surf Fac Site Exp Hole	SA3 4 0
UE-25 RF #12	Rep Surf Fac Site Exp Hole	SA3-4 0
UE-25 SD #9	Systematic Drilling	SA3-4 0
UE 25 SRG-1	Ramp Design Drillhole	SA3-4.0
UE-25 SRG-2	Ramp Design Drillhole	SA3-4.0
UE-25 UZ #4	Unsaturated Zone Hydro Hole	SA3-5 0
UE-25 UZ #5	Unsaturated Zone Hydro Hole	SA3-5 0
UE-25 UZN #1	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #2	Natrl Infil Mon Drillhole	SA3-6.0
UE-25 UZN #3	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #4	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #5	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #6	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #7	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #8	Natrl Infil Mon Drillhole	SA3-6.0
UE-25 UZN #9	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #10	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #12	Natrl Infil Mon Drillhole	SA3-6.0
UE-25 UZN #13	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #14	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #16	Natrl Infil Mon Drillhole	SA3-6 0
UE 25 UZN #19	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #20	Natrl Infil Mon Drillhole	SA3-6 0
UE 25 UZN #21	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #22	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #23	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #28	Natrl Infil Mon Drillhole	SA3-6.0
UE-25 UZN #29	Natrl Infil Mon Drillhole	SA3-6.0
UE 25 UZN #30	Natrl Infil Mon Drillhole	SA3-6.0
UE-25 UZN #58	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #60	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #85	Natrl Infil Mon Drillhole	SA3-6.0
UE-25 UZN #91	Natrl Infil Mon Drillhole	SA3-6 0
UE-25 UZN #92	Natrl Infil Mon Drillhole	SA3-6 0
UE 25 UZN #97	Natrl Infil Mon Drillhole	SA3-6.0
UE-25 UZNC #1	Unsat Zn Natrn Calib Drillhole	SA3-6 0
UE-25 UZNC #2	Unsat Zn Natrn Calib Drillhole	SA3-6 0
UE 25 WT #3	Water Table Hydrologic Hole	SA3-5 0
UE 25 WT #4	Water Table Hydrologic Hole	SA3-5 0
UE-25 WT #5	Water Table Hydrologic Hole	SA3-5.0
UE 25 WT #6	Water Table Hydrologic Hole	SA3-5 0
UE-25 WT #12	Water Table Hydrologic Hole	SA3-5 0
UE-25 WT #13	Water Table Hydrologic Hole	SA3-5 0
UE-25 WT #14	Water Table Hydrologic Hole	SA3-5 0
UE-25 WT #15	Water Table Hydrologic Hole	SA3-5 0
UE 25 WT #16	Water Table Hydrologic Hole	SA3-5 0
UE-25 WT #17	Water Table Hydrologic Hole	SA3-5 0
UE-25 WT #18	Water Table Hydrologic Hole	SA3-5 0
UE-25 WT #19	Water Table Hydrologic Hole	SA3-5 0
UE-25 WT #20	Water Table Hydrologic Hole	SA3-5 0
UE-25 WT #24	Water Table Hydrologic Hole	SA3-5 0
UE-25A #1	U-Series Dating Sample Loc	SA6-2 0
UE 25a #1	Geo Expl Corehole	SA3-2 0
UE 25A #3	Geo Expl Corehole	SA3-2 0
UE 25a #4	Geo Expl Corehole	SA3-2 0
UE 25a #5	Geo Expl Corehole	SA3 2 0
UE 25a #6	Geo Expl Corehole	SA3 2 0
UE-25a #7	Geo Expl. Corehole	SA3-2 0
UE-25b #1	Geo Expl Corehole	SA3 2 0

ACTIVITY ID	ACTIVITY TYPE	MAP NO.
Ue-25b #1	GW Geochemistry Station	SA5-3.0
UE-25c #1	Saturated Zone Hydro Hole	SA3-5 0
UE-25c #2	Saturated Zone Hydro Hole	SA3-5.0
UE-25c #3	Saturated Zone Hydro Hole	SA3-5.0
UE-25h #1	Horizontal Prototype	SA3 2 0
UE-25p #1	Geo Expl. Corehole	SA3-2 0
UE 29a #1	Saturated Zone Hydro Hole	SA3-5 0
Ue-29a #2	GW Geochemistry Station	SA5-3 0
UE-29a #2	Saturated Zone Hydro Hole	SA3-5 0
Ue18r	GW Geochemistry Station	SA5-3.0
Ue19b#1	GW Geochemistry Station	SA5-3 0
Ue19c	GW Geochemistry Station	SA5-3.0
Ue19d	GW Geochemistry Station	SA5-3 0
Ue19e	GW Geochemistry Station	SA5-3.0
Ue19fs	GW Geochemistry Station	SA5-3 0
Ue19gs	GW Geochemistry Station	SA5-3 0
Ue19i	GW Geochemistry Station	SA5-3 0
Ue20d	GW Geochemistry Station	SA5-3 0
Ue20e#1	GW Geochemistry Station	SA5-3 0
Ue20f	GW Geochemistry Station	SA5-3.0
Ue20h	GW Geochemistry Station	SA5-3.0
Ue20j	GW Geochemistry Station	SA5-3 0
UE25 PH#1a	Calcite-Silica Drillhole	SA3-2.0
UE25 PH#1b	Calcite-Silica Drillhole	SA3-2 0
UE25 UZ#9	Unsat Zone Prototype Hole	SA3-5.0
UE25 UZ#9a	Saturated Zone Hydro Hole	SA3-5.0
UE25 UZ#9b	Unsaturated Zone Hydro Hole	SA3-5.0
UE25 VSP-1 (UZ-15)	Vertical Seismic Profile Hole	SA3-8 0
UE25 VSP-2 (UZ-16)	Vertical Seismic Profile Hole	SA3-8.0
US-25 #1	Seismic Hole	SA3-8.0
US-25 #2	Seismic Hole	SA3-8 0
US-25 #3	Seismic Hole	SA3-8.0
US-25 #4	Seismic Hole	SA3-8 0
US-25 #5	Seismic Hole	SA3-8.0
US-25 #6	Seismic Survey Hole	SA3-8.0
US-25 #7	Seismic Survey Hole	SA3-8.0
US-25 #8	Seismic Survey Hole	SA3-8.0
US-25 #9	Seismic Survey Hole	SA3-8 0
US-25 #10	Seismic Survey Hole	SA3-8.0
US-25 #11	Seismic Survey Hole	SA3-8.0
US-25 #12	Seismic Survey Hole	SA3-8.0
US-25 #13	Seismic Survey Hole	SA3-8.0
US-25 #14	Seismic Survey Hole	SA3-8.0
US-25 #15	Seismic Survey Hole	SA3-8.0
US-25 #16	Seismic Survey Hole	SA3-8.0
US-25 #17	Seismic Survey Hole	SA3-8.0
US-25 #18	Seismic Survey Hole	SA3-8.0
US-25 #19	Seismic Survey Hole	SA3-8.0
US-25 #20	Seismic Survey Hole	SA3-8 0
US-25 #21	Seismic Survey Hole	SA3-8.0
US25 UZP#1/2	Unsaturated Zone Prototype Hole	SA3 5 0
USW G-1	Geo. Expl Corehole	SA3-2 0
USW G-2	Geo Expl Corehole	SA3-2 0
USW G-3	Geo. Expl Corehole	SA3-2 0
USW G-4	Geo. Expl. Corehole	SA3-2.0
USW G 4	GW Geochemistry Station	SA5-3 0
USW G-5	Geo. Expl. Corehole	SA3-2 0
USW G-6	Geo. Expl. Corehole	SA3-2 0
USW GA-1	Geo. Expl. Corehole	SA3-2 0
USW GU-3	Geo. Expl. Corehole	SA3-2.0
USW H-1	Saturated Zone Hydro Hole	SA3-5.0
USW H-1	GW Geochemistry Station	SA5-3.0
USW H-3	Saturated Zone Hydro Hole	SA3-5.0
USW H-4	Saturated Zone Hydro Hole	SA3-5.0
USW H-4	GW Geochemistry Station	SA5-3.0
USW H-5	GW Geochemistry Station	SA5-3.0
USW H-5	Saturated Zone Hydro Hole	SA3-5.0
USW H-6	Saturated Zone Hydro Hole	SA3-5 0
USW H-6	GW Geochemistry Station	SA5-3.0
USW H-7	Unsaturated Zone Hydro Hole	SA3-5 0
USW SD-1	Systematic Drilling	SA3-4.0
USW SD-2	Systematic Drilling	SA3-4 0
USW SD-3	Systematic Drilling	SA3-4 0
USW SD-4	Systematic Drilling	SA3-4 0
USW SD-5	Systematic Drilling	SA3-4 0
USW SD-6	Systematic Drilling	SA3-4 0
USW SD-7	Systematic Drilling	SA3-4.0
USW SD-8	Systematic Drilling	SA3-4 0
USW SD-10	Systematic Drilling	SA3-4 0
USW SD-11	Systematic Drilling	SA3-4 0
USW SD-12	Systematic Drilling	SA3-4 0
USW SRG-3	Ramp Design Drillhole	SA3-4 0
USW SRG 4	Ramp Design Drillhole	SA3-4 0
USW SRG 5	Ramp Design Drillhole	SA3-4 0
USW UZ-1	Unsaturated Zone Hydro Hole	SA3-5.0
USW UZ 2	Unsaturated Zone Hydro Hole	SA3-5 0

ACTIVITY ID	ACTIVITY TYPE	MAP NO.
USW UZ 3	Unsaturated Zone Hydro Hole	SA3-5 0
USW UZ-6	Unsaturated Zone Hydro Hole	SA3-5 0
USW UZ 6s	Unsaturated Zone Hydro Hole	SA3 5 0
USW UZ 7	Unsaturated Zone Hydro Hole	SA3 5 0
USW UZ 8	Unsaturated Zone Hydro Hole	SA3 5 0
USW UZ-10	Unsaturated Zone Hydro Hole	SA3-5 0
USW UZ-11	Unsaturated Zone Hydro Hole	SA3-5 0
USW UZ-12	Unsaturated Zone Hydro Hole	SA3-5.0
USW UZ 13	Unsaturated Zone Hydro Hole	SA3 5 0
USW UZ-14	Unsaturated Zone Hydro Hole	SA3-5 0
USW UZ-N11	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N15	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N16	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N17	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ N24	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N25	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N26	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ N36	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ-N37	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N40	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N41	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N42	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N43	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N44	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N45	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N46	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N47	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ-N48	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N49	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N50	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N51	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N52	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N54	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N55	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N65	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ N66	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ-N67	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N68	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N69	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N70	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ N71	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N72	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ-N73	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ N74	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N75	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N76	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N77	Natrl Infil Mon Drillhole	SA3-6.0
USW UZ-N78	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N79	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ N80	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ-N81	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ N82	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N83	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N84	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ-N86	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ N87	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ N88	Natrl Infil Mon Drillhole	SA3-6 0

ACTIVITY ID	ACTIVITY TYPE	MAP NO
USW UZ-N89	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ-N90	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ-N93	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ-N94	Natrl Infil Mon Drillhole	SA3 6 0
USW UZ N95	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N96	Natrl Infil Mon Drillhole	SA3-6 0
USW UZ-N98	Natrl Infil Mon Drillhole	SA3-6 0
USW V-1	Volcanic Drillhole	SA3-3 0
USW V-2	Volcanic Drillhole	SA3 3 0
USW V-3	Volcanic Drillhole	SA3-3 0
USW V-4	Volcanic Drillhole	SA3-3 0
USW VH-1	GW Geochemistry Station	SA5 3 0
USW VH-1	Volcanic/Hydrologic Hole	SA3-3 0
USW VH 2	Volcanic/Hydrologic Hole	SA3 3 0
USW WT-1	Water Table Hydrologic Hole	SA3-5 0
USW WT-2	Water Table Hydrologic Hole	SA3 5 0
USW WT-7	Water Table Hydrologic Hole	SA3-5 0
USW WT-8	Water Table Hydrologic Hole	SA3 5 0
USW WT-9	Water Table Hydrologic Hole	SA3-5 0
USW WT-10	Water Table Hydrologic Hole	SA3 5 0
USW WT-11	Water Table Hydrologic Hole	SA3 5 0
USW WT-23	Water Table Hydrologic Hole	SA3 5 0
USW WT-21	Water Table Hydrologic Hole	SA3-5 0
USW WT-22	Water Table Hydrologic Hole	SA3 5 0
W1	Meteorological Mon Station	SA5-9 0
W2	Meteorological Mon Station	SA5-9 0
W3	Meteorological Mon Station	SA5-9 0
W4	Meteorological Mon Station	SA5-9 0
W5	Metrorological Mon Station	SA5-9.0
W6	Meteorological Mon Station	SA5 9 0
W7	Meteorological Mon Station	SA5-9 0
W8	Meteorological Mon Station	SA5-9 0
W9	Meteorological Mon Station	SA5-9 0
W10	Meteorological Mon Station	SA5-9 0
War Cyn Spg	GW Geochemistry Station	SA5 2 0
WCT-Wildcat Peak	Seismic Monitoring Network	SA7-1 0
White Rock Spg	GW Geochemistry Station	SA5-2 0
Willow Cyn Spg	GW Geochemistry Station	SA5 2 0
Windous Butte Spg	GW Geochemistry Station	SA5-2 0
Winnemucca	Temperature/Precipitation Sta	SA5 2 0
WRN-Wheeler Peak	Seismic Monitoring Network	SA7-1 0
Y3	Precipitation Collector	SA5 8 0
Y6	Precipitation Collector	SA5-8 0
Y7	Precipitation Collector	SA5 8 0
Y8	Precipitation Collector	SA5 8 0
YM1	Water-Level Monitoring Site	SA5 5 0
YMT#1-Yucca Mtn 1	Seismic Monitoring Network	SA7-1.0
YMT#2-Yucca Mtn 2	Seismic Monitoring Network	SA7-1 0
YMT#3 Yucca Mtn 3	Seismic Monitoring Network	SA7 1 0
YMT#4-Yucca Mtn 4	Seismic Monitoring Network	SA7-1 0
YMT#5-Yucca Mtn 5	Seismic Monitoring Network	SA7 1 0
YMT#6 Yucca Mtn 6	Seismic Monitoring Network	SA7-1 0
Young Fiono Spg	GW Geochemistry Station	SA5-2 0
Yucca Wash 1	Woodrat Midden	SA5 1 0
Yucca Wash 2	Woodrat Midden	SA5-1.0
Yucca Wash 3	Woodrat Midden	SA5 1 0
Yucca Wash 4	Woodrat Midden	SA5-1 0
Yucca Wash 5	Woodrat Midden	SA5-1 0

SECTION 1

LAND ADMINISTRATION

STATE OF NEVADA
SA1-1.0

LEGEND

ROADS

15 U S Interstate

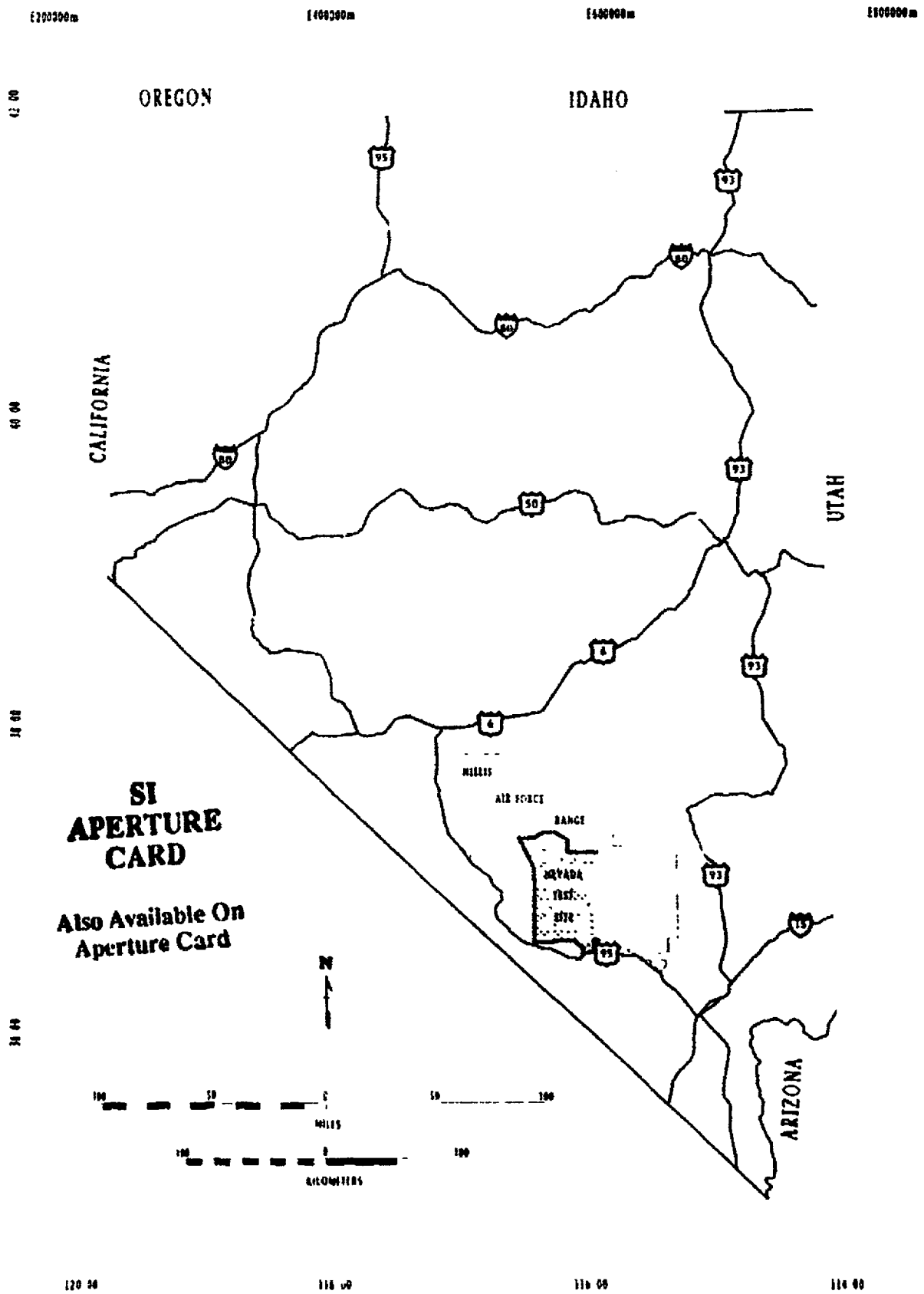
95 U.S Federal Highway

BOUNDARIES

Federal Reservation

Nevada Test Site

Source: This basemap was produced using the U S. Geological Survey (USGS) 1:2,000,000 scale Digital Line Graph (DLG) of the 1970 *National Atlas of the United States of America*. The digital files for political (state boundary), administrative (selected federal reservations), and transportation features (federal roads) were used for this map



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SOUTHERN NEVADA AND SOUTHEASTERN CALIFORNIA

SA1-2.0

LEGEND

PROJECT STUDY AREAS (Shown in green)

A – Conceptual Perimeter Drift Area Boundary

B – Conceptual Controlled Area Boundary

POPULATED PLACES

Town

Urban Area

LANDFORMS (Shown in brown)

Elevated Area

ROADS

Primary Highway

Secondary Highway

Light Duty Road

BOUNDARIES

State

County

Federal

The Conceptual Perimeter Drift Boundary was digitized from Sandia National Laboratories Drawing Number R07003A, April 1986

The Conceptual Controlled Area Boundary was digitized from Sandia National Laboratories Product Number CAL0166

Coordinates for Nevada Test Site (NTS) Boundary were entered from the NTS Coordinate Map-Site Plan and Insert, Holmes & Narver Map #090-094-C7 2, Revised 6/8/87

Source Basemap Features (roads, boundaries, and populated places) were digitized, and elevated areas were interpreted, from the following U S. Geological Survey 1:250,000 scale topographic map quadrangles:

Caliente, NV-UT	1954, Rev 1970
Death Valley, CA-NV	1954, Rev 1970
Goldfield, NV-CA	1954, Rev 1970
Las Vegas, NV-CA	1954, Rev 1969

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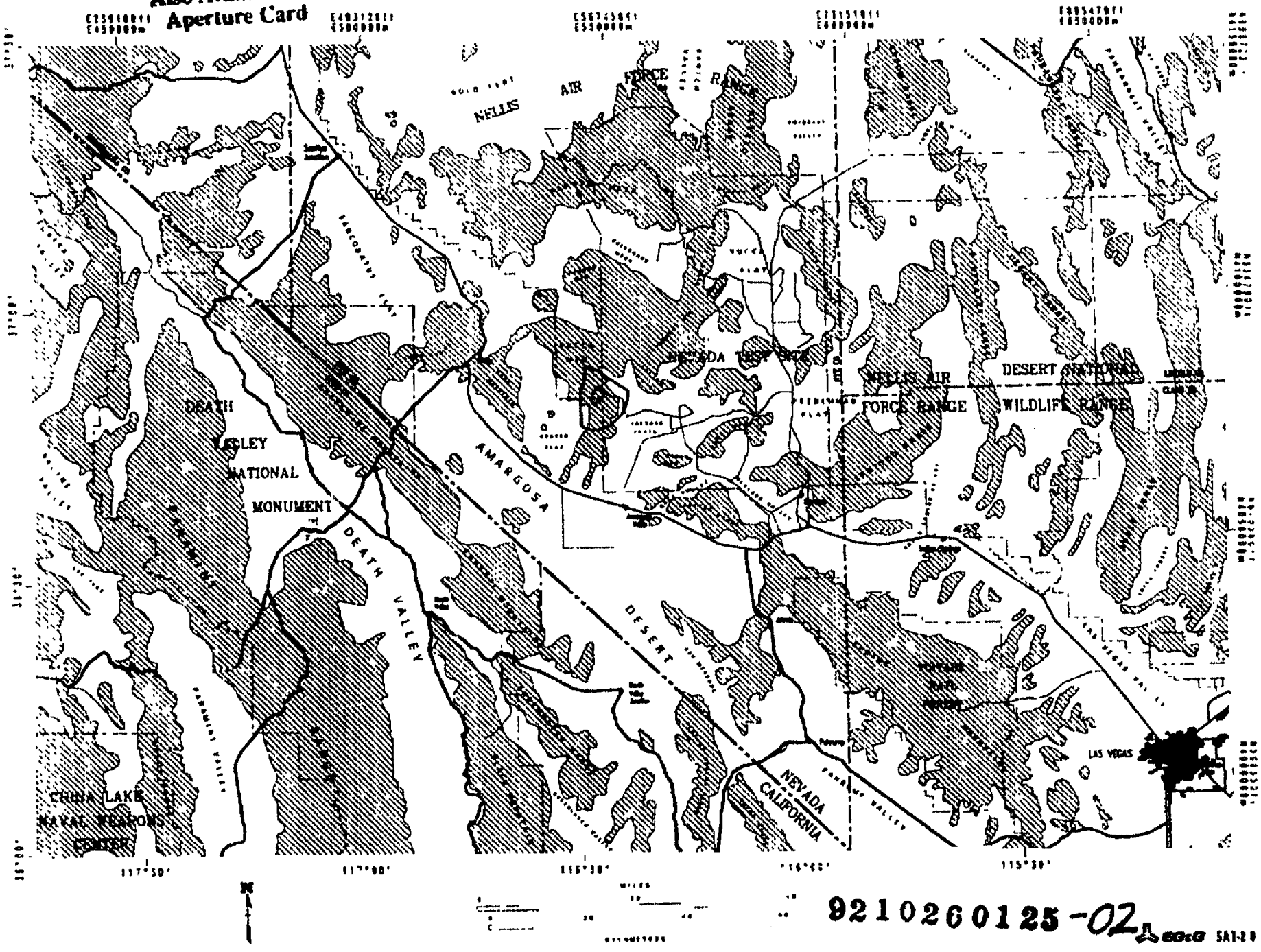

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NEAR-FIELD STUDY AREA
SA1-3.0

LEGEND

ROADS

—— Light-duty

- - Unimproved

- Trail

LAND SURVEY SYSTEMS (Shown in red)

—— Township

— — Township (location doubtful)

Section (location doubtful)

PROJECT STUDY AREAS (Shown in green)

A – Conceptual Perimeter Drift Boundary

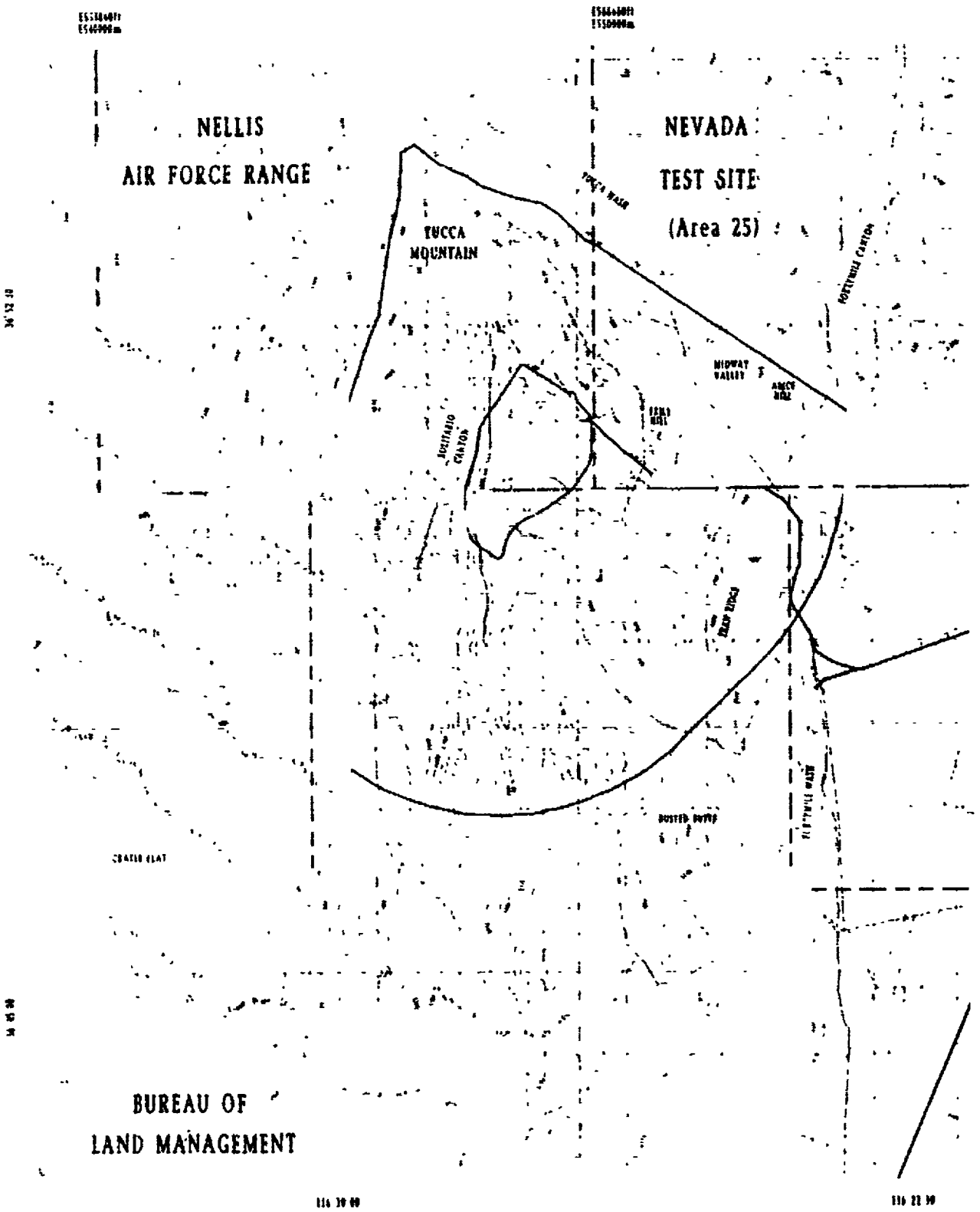
B – Conceptual Controlled Area Boundary

BOUNDARIES

Federal

HYPSOGRAPHY (Shown in brown)

– Elevation Contour (interval 200 feet)



Contour Interval 200 Feet

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9210260125-03

EXPLORATORY STUDIES FACILITIES AND SUBSURFACE ACCESS DRIFTS

SA1-4.0

LEGEND

FACILITIES

Exploratory Studies Facilities

Subsurface Access Drifts

ROADS

Light-duty

Unimproved

Trail

BOUNDARIES

Federal

PROJECT STUDY AREAS (Shown in green)

A - Conceptual Perimeter Drift Boundary

B - Conceptual Controlled Area Boundary

HYPSOGRAPHY (Shown in brown)

Elevation Contour (interval 200 feet)

Source Exploratory Studies Facilities and North and South Portals were provided by Raytheon Services Nevada from "Exploratory Studies Facility General Arrangement – Overall Site Plan" Drawing Number YMP-025-1-CIVL-PLO1, Revision 0, September 27, 1991, and from "Exploratory Studies Facility TS South Portal General Arrangement – Batch Plant Facilities, Site and Grading Plan" Drawing Number YMP-025-2-CIVL-PLO7, Revision 0, September 27, 1991

The Subsurface Access Drifts were digitized from Raytheon Services Nevada Drawing Number YMP-025-1-MING-MI01, June 1991

Roads were photointerpreted and independently photo verified in stereo from 1 12,000 scale (March 1990) color-infrared photography They were mapped onto 1 6,000 scale orthophotographs and digitized

Federal boundaries were digitized from the following U S Geological Survey 7 5" topographic quadrangles (1 24,000 scale)

Busted Butte, NV, 1983

Crater Flat, NV, Photo-revised 1986

East of Beatty Mtn , NV, Photo-revised 1987

Topopah Springs NW, NV 1961

Project study areas were digitized from the following Sandia National Laboratory drawings

Conceptual Perimeter Drift Boundary – Drawing Number R07003A, April 1986

Conceptual Controlled Area Boundary – Product Number CAL0186

U S Geological Survey Digital Line Graphs (DLGs) from the U S Geological Survey 7 5" topographic quadrangles (1 24,000 scale) for hypsography were used to generate the 200-foot elevation contours The original DLG was mapped at twenty foot contour intervals

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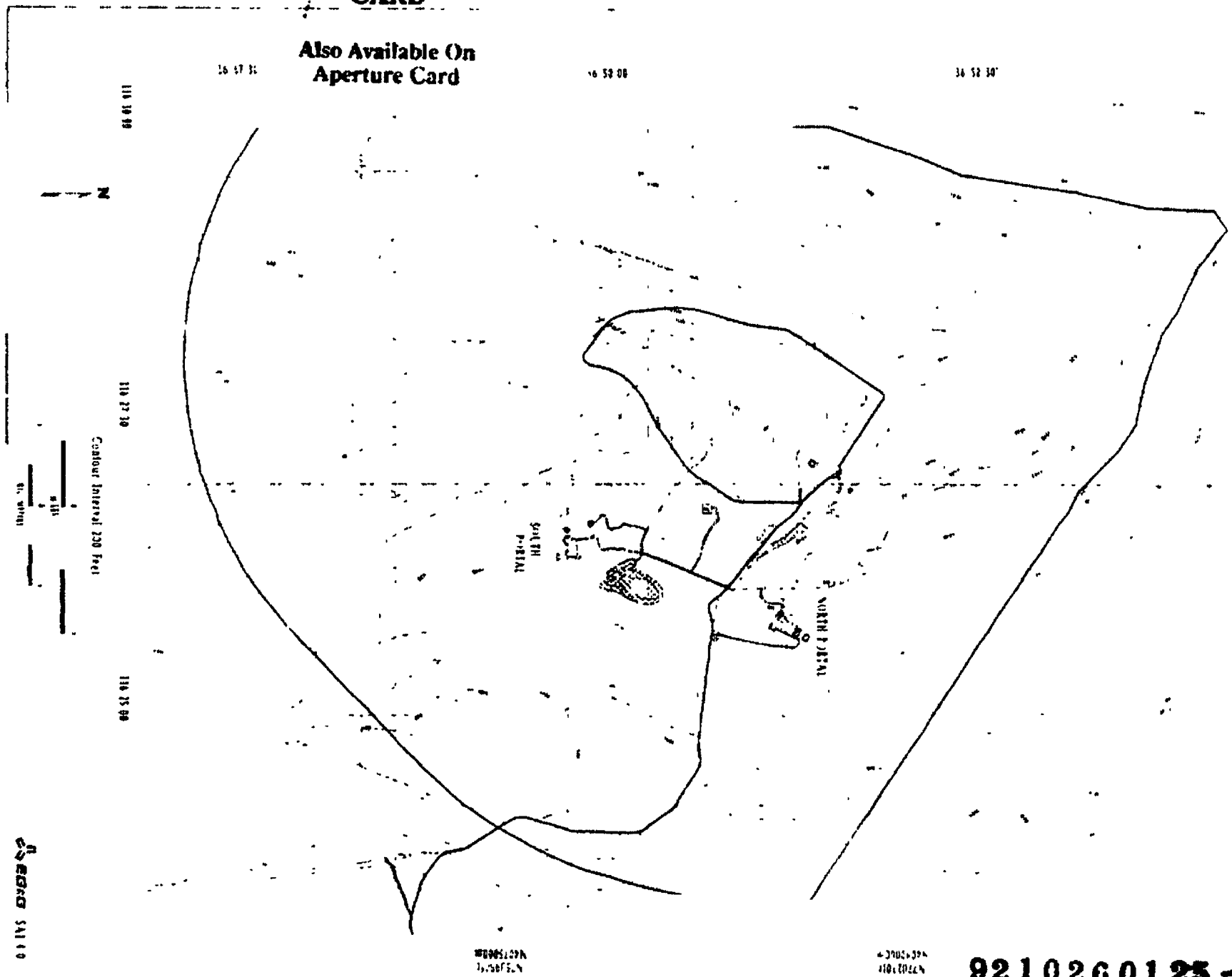

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FAR-FIELD STUDY AREA AND LAND WITHDRAWALS

SA1-5.0

LEGEND

LAND WITHDRAWAL BOUNDARIES

Land Withdrawal

Right-of-Way Reservation Agreement (Core Area)

RANCH

ROADS

Primary Highway

Secondary Route

Light-duty

Unimproved

Trail

BOUNDARIES

Federal

PROJECT STUDY AREAS (Shown in green)

A – Conceptual Perimeter Drift Boundary

B – Conceptual Controlled Area Boundary

Source Land withdrawal boundaries were entered using legal descriptions from the following documents

Bureau of Land Management, 1988 *Right-Of-Way Reservation Agreement* Bureau of Land Management Document N-47748 2800 (NV-943 2)

Bureau of Land Management, 1989 *Right-of-Way Reservation Agreement* Bureau of Land Management Document N-48602 2800 (NV-943 2)

Bureau of Land Management, 1990 *Public Land Order – Withdrawal of Public Land to Maintain the Physical Integrity of the Subsurface Environment, Yucca Mountain Project, Nevada* Department of the Interior Public Land Order 6302

The boundary for the Yucca Mountain Site Characterization Project – Area 25 Site Operations Area, or the "RANCH," was digitized from the Holmes and Narver drawing titled "U S Department of Energy Nevada Test Site Roads and Facilities Map" updated July 1984 The description for the "RANCH" can be found in U S Department of Energy 1991 *Field Management Plan* YMP/CC-0018, Revision 1

Roads and boundaries were produced using the U S Geological Survey Digital Line Graph data from the following 1 100,000 scale topographic quadrangle maps series

Beatty, NV-CA	Death Valley Junction, NV CA
Indian Springs, NV	Las Vegas, NV-CA

Project study areas were digitized from the following Sandia National Laboratory drawings

Conceptual Perimeter Drift Boundary – Drawing Number R07003A April 1986

Conceptual Controlled Area Boundary Product Number CAL0166

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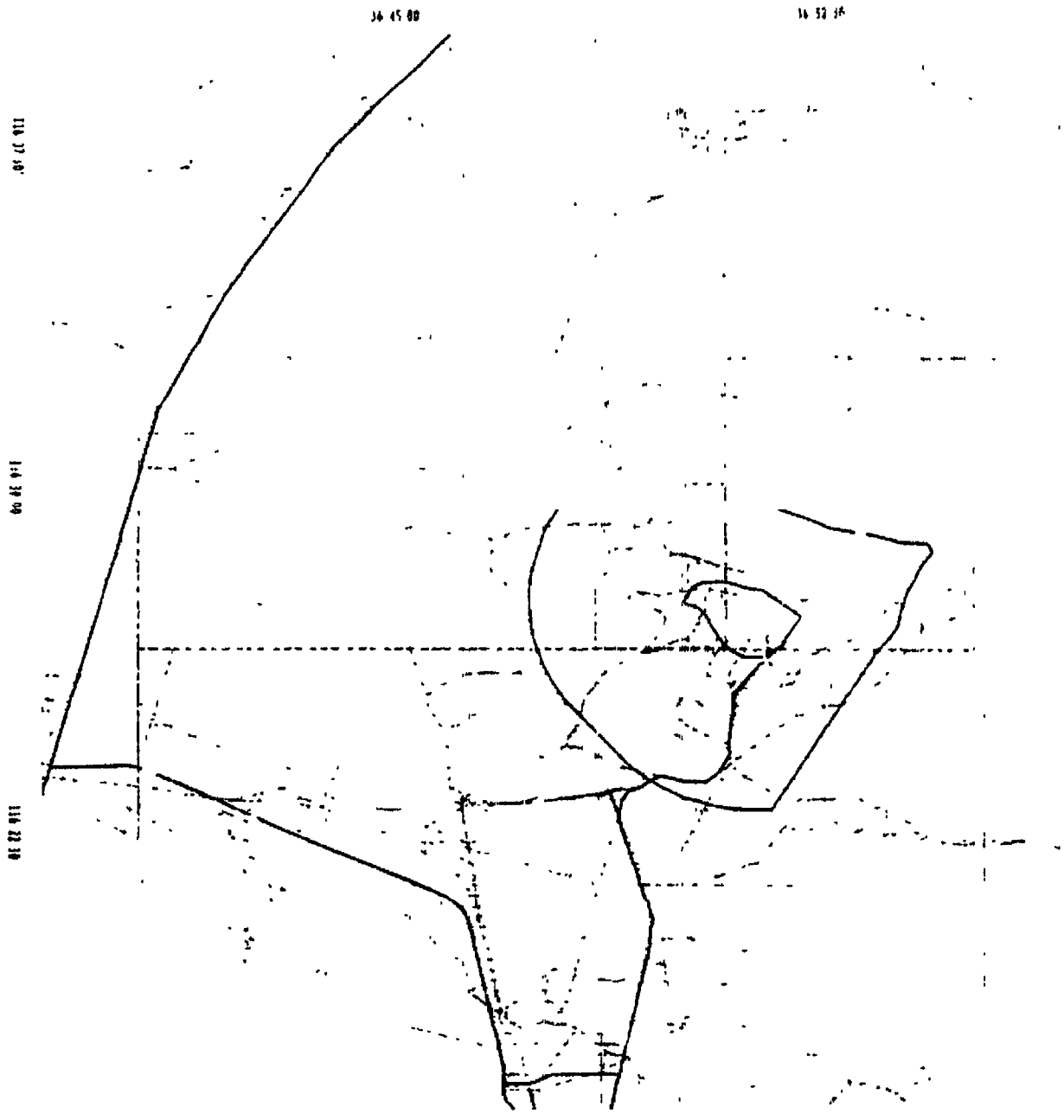

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NEVADA TEST SITE
SA1-6.0

LEGEND

BOUNDARIES

Federal

State

NTS Boundary

NTS Operation Areas

ROADS

Primary Highway

Secondary Route

Light-duty

PROJECT STUDY AREAS (Shown in green)

A – Conceptual Perimeter Drift Boundary

B – Conceptual Controlled Area Boundary

Source: Roads and boundaries were produced using the U S Geological Survey Digital Line Graph data from the following 1 100,000 scale topographic quadrangle maps series

Beatty, NV-CA	Death Valley Junction, NV-CA
Indian Springs, NV	Las Vegas, NV-CA

-ect study areas were digitized from the following Sandia National Laboratory drawings

Conceptual Perimeter Drift Boundary – Drawing Number R07003A, April 1986

Conceptual Controlled Area Boundary – Product Number CAL0168

Coordinates for Nevada Test Site (NTS) Boundary and Operation Area Boundaries were entered from the NTS Coordinate Map – Site Plan and Insert, Holmes and Narver Map #090-094-C7 2. Revised 6/8/87

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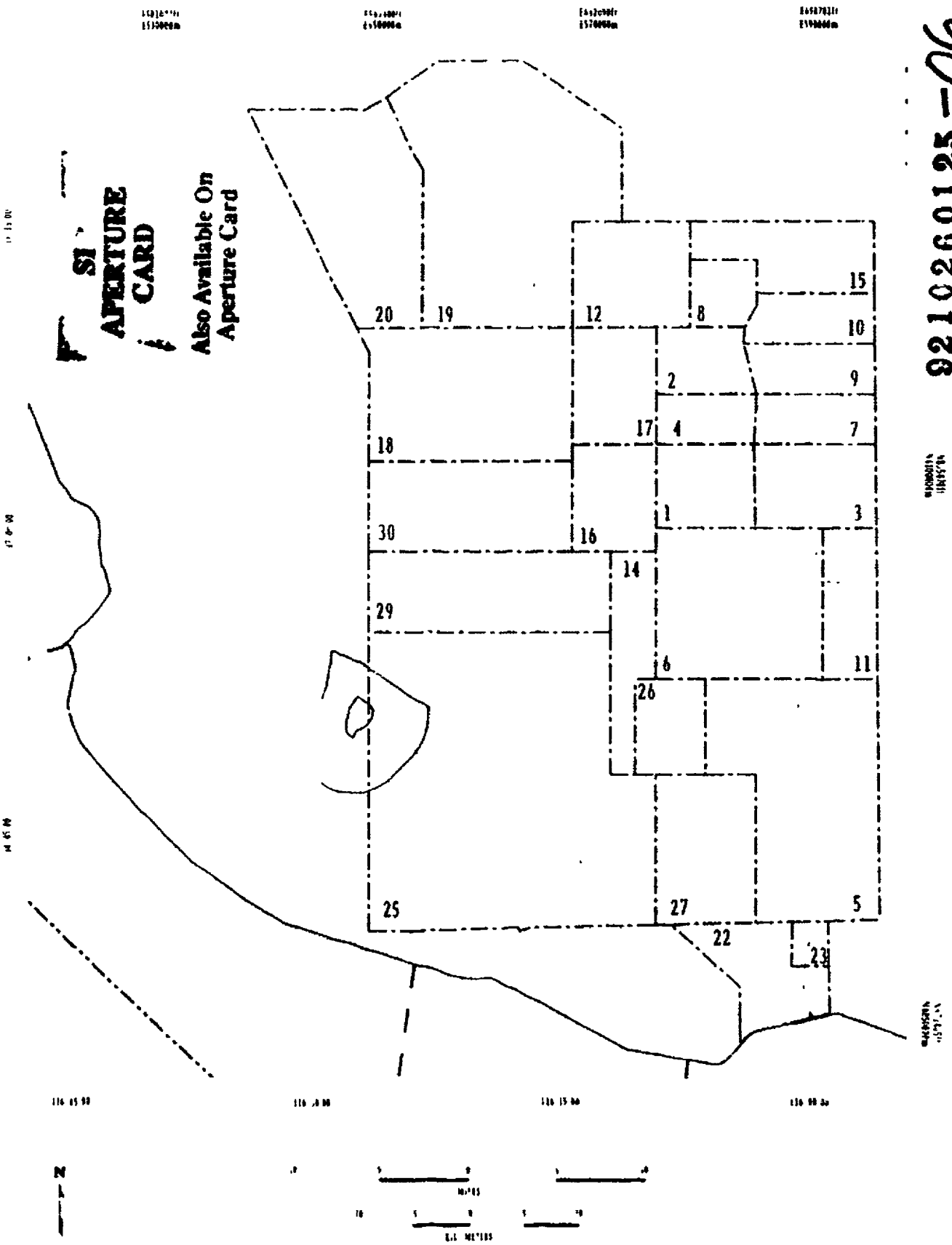


EG&G SA1 6 0

SECTION 2

SOCIOLOGY

POPULATION OF NEVADA'S COUNTIES
1990 CENSUS
SA2-1.0

LEGEND

BOUNDARIES

State

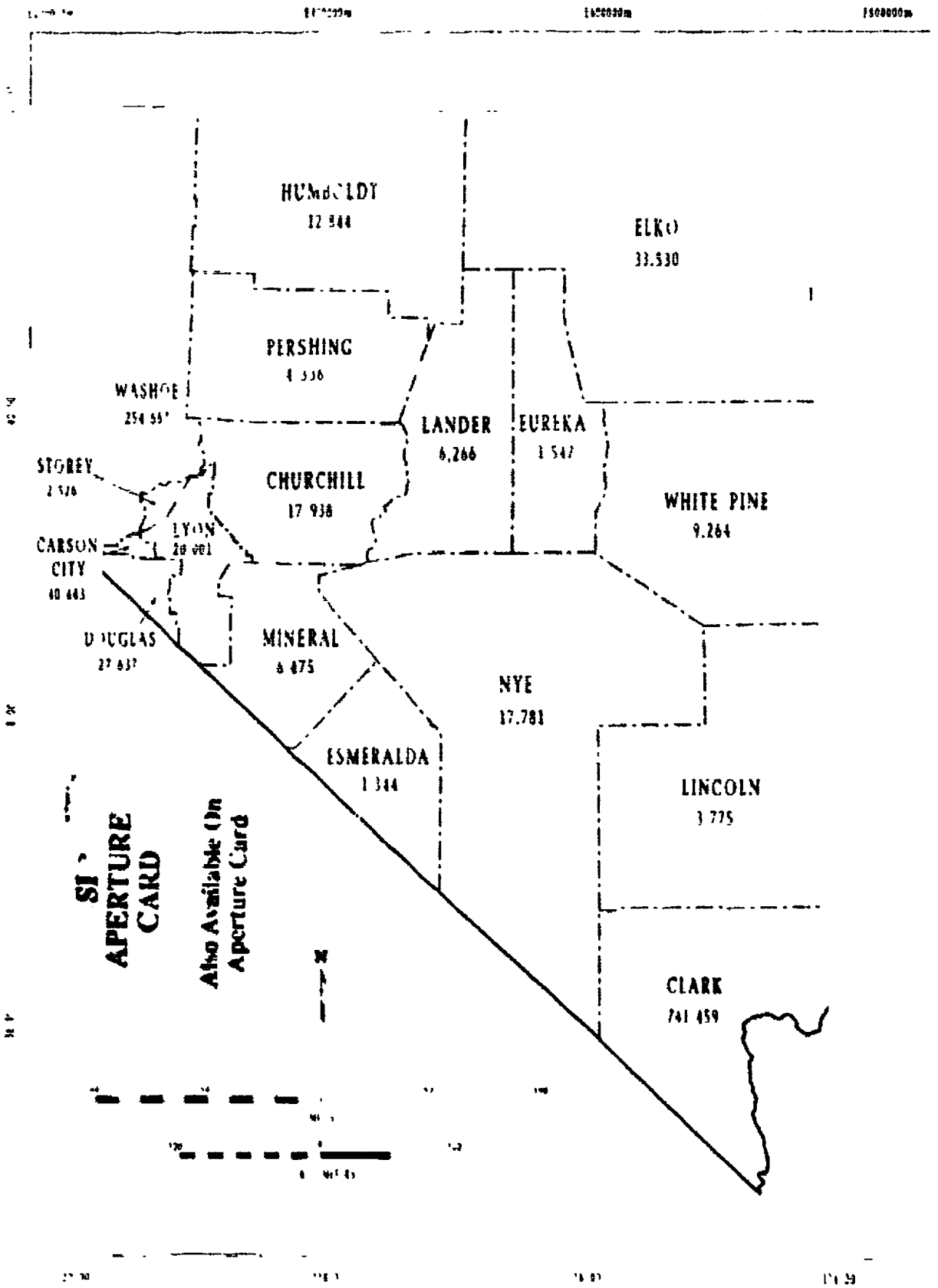
County

SOCIOLOGICAL FEATURES

NYE	County Name
13,452	County population

Total Nevada Population - 1,201,833

Source U S Department of Commerce 19[illegible] *1990 Census of Population and Housing Summary Tape File 1A on CD-ROM* U S Bureau of the Census



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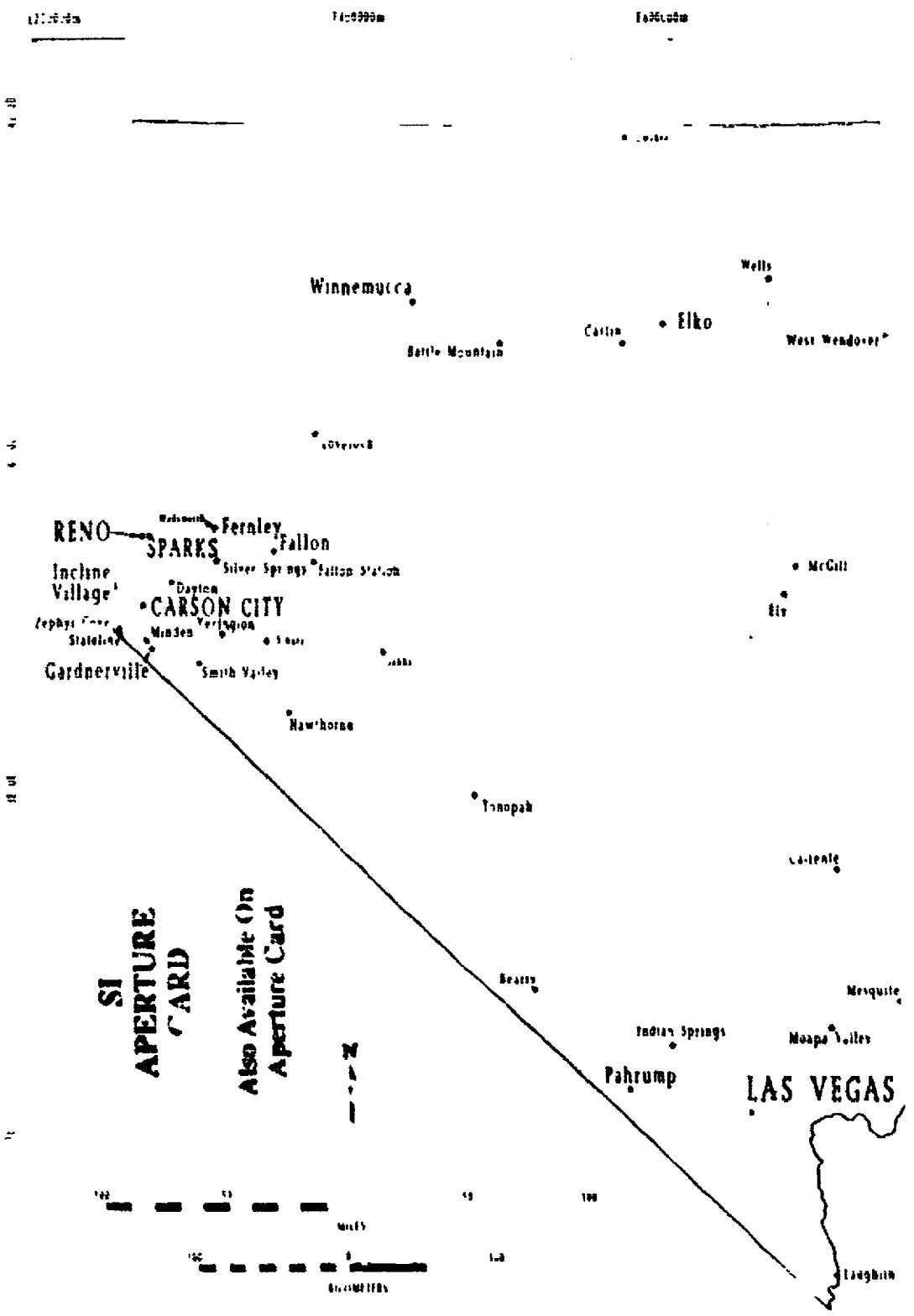
POPULATION OF NEVADA'S CITIES, 1990 CENSUS

SA2-2.0

City/Town	Population
Battle Mountain	3 542
Beatty	1 623
Caliente	1,111
Carlin	2,220
Carson City	40 443
Dayton	2,217
Elko	14 736
Ely	4,756
Fallon	6,438
Fallon Station	1 092
Fernley	5 164
Gabbs	667
Gardnerville	9 632
Hawthorne	4 162
Incline Village	7,119
Indian Springs	1 164
Las Vegas Division	715,587
Laughlin	4 791
Lovelock	2,069
McGill	1,258
Mesquite	1,871
Minden	1 441
Moapa Valley	3 444
Owyhee	908
Pahrump	7 424
Reno	133 850
Schurz	617
Silver Springs	2,253
Smith Valley	1 033
Sparks	53,367
Stateline	1,379
Tonopah	3 616
Wadsworth	640
Wells	1,256
West Wendover	2,007
Winnemucca	6 134
Yerington	2 367
Zephyr Cove	1 434

Source U S Department of Commerce 1991 *1990 Census of Population and Housing Summary Tape File 1A on CD ROM* U S Bureau of the Census



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SECTION 3

DRILLHOLES, TRENCHES, PITS, AND PAVEMENTS

EXISTING AND PROPOSED DRILLHOLES

SA3-1.0

LEGEND

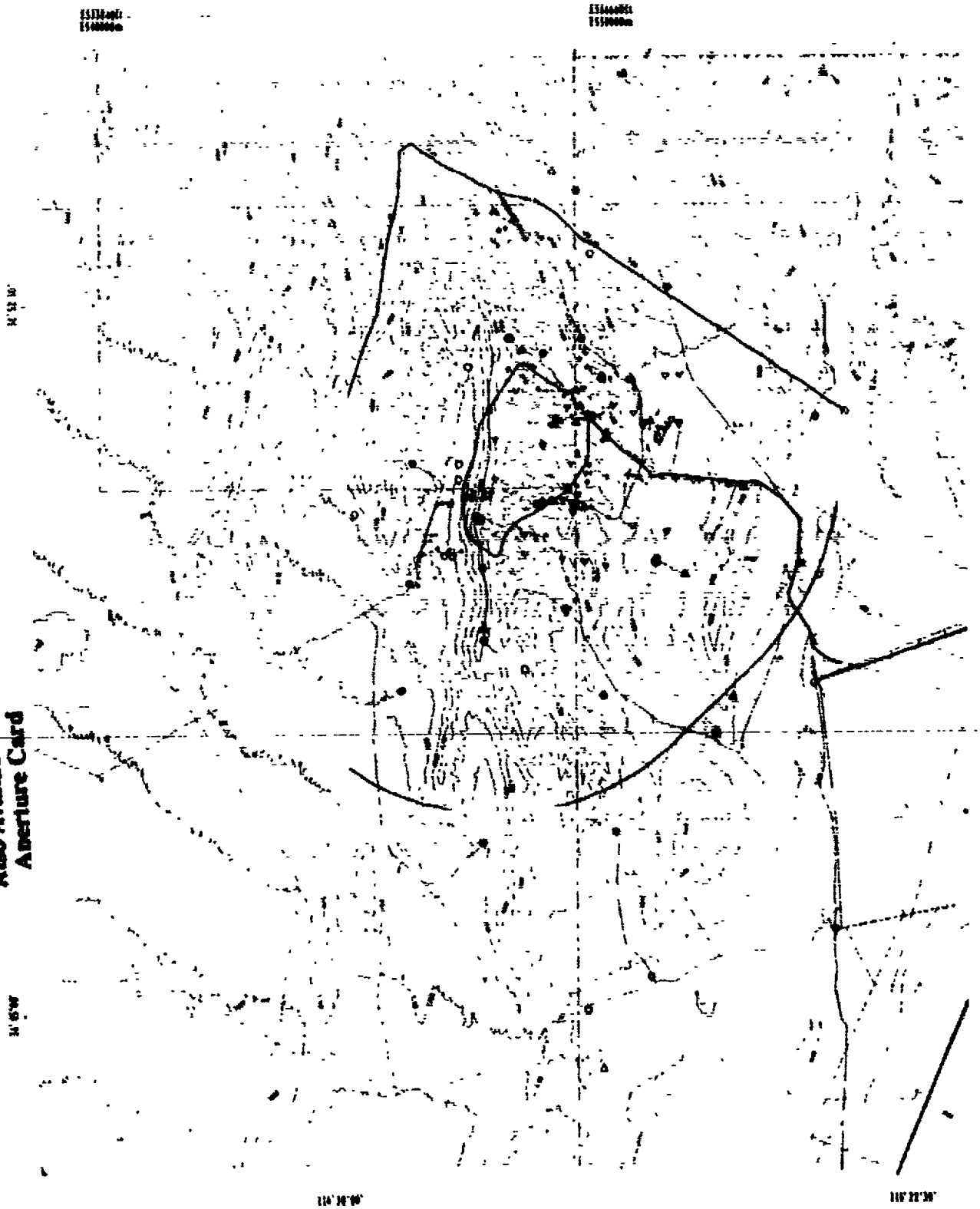
EXISTING HOLES (Shown in blue)

- ▲ Geologic
- ★ Volcanic
- ▼ Exploratory
- ● Hydrologic
- ◆ Natural Infiltration Monitoring
- + Geophysical
- ◗ Logging Feasibility Test

PROPOSED HOLES (Shown in red)

- △ Geologic
- ☆ Volcanic
- ▽ Exploratory
- ○ Hydrologic
- ✚ Geophysical

Note This map provides an overview of drillholes within the near-field study area only The legend above includes symbology for Logging Feasibility Test and proposed Volcanic drillholes that are not present within the near-field study area The following maps in Section 3 provide the location and reference information for each activity



Contour Interval 200 Feet

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MILES

KILOMETERS

CARD
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SA310

GEOLOGIC DRILLHOLES
SA3-2.0

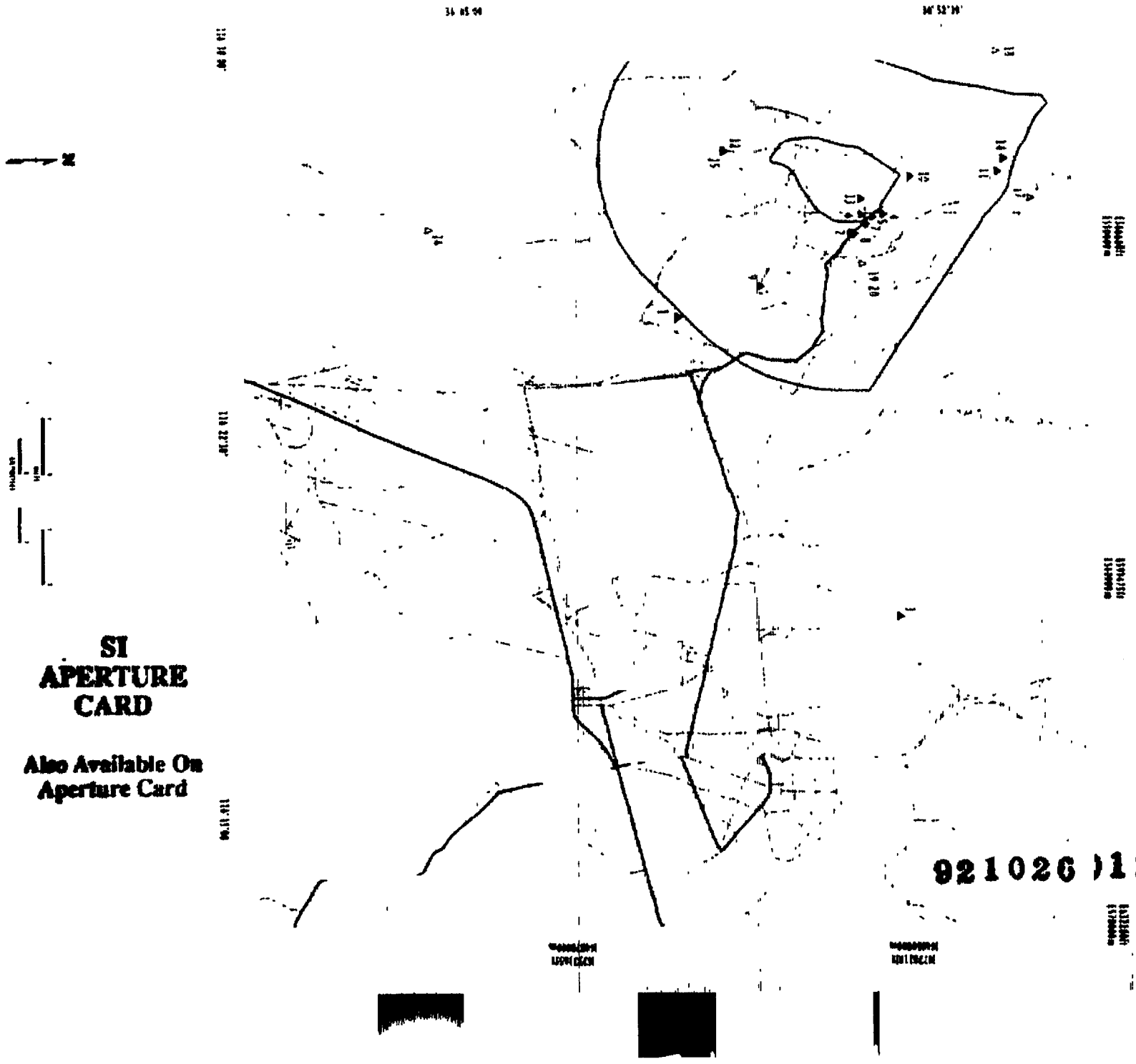
▲ EXISTING GEOLOGIC EXPLORATORY COREHOLES

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	GROUND ELEVATION (FT)	SOURCE
1	UE 25h #1	36°48'21"N	116°24 44"W	3409 40	Fenix and Scisson 1986g
2	UE-25a #1	36°51'05"N	116°26'24"W	3832.80	Fenix and Scisson, 1986a
3	UE-25a #3	36°51'47"N	116°18'53"W	4545 80	Fenix and Scisson, 1986a
4	UE-25a #4	36°51'35"N	116°26 47"W	4100 70	Fenix and Scisson, 1986a
5	UE-25a #5	36°51 25"N	116°26 43"W	4056 50	Fenix and Scisson, 1986a
6	UE-25a #6	36°51'15"N	116°26'46"W	4052 90	Fenix and Scisson 1986a
7	UE-25a #7	36°51'18"N	116°26'34"W	4004.60	Fenix and Scisson, 1986a
8	UE-25b #1	36°51'08"N	116°26 23"W	3939 00	Fenix and Scisson, 1986a
9	UE 25p #1	36°49'38"N	116°25'21"W	3654 63*	Fenix and Scisson, 1986h
10	USW G-1	36°52 00"N	116°27 29"W	4349 60	Fenix and Scisson, 1987b
11	USW G-2	36°53'22"N	116°27'35"W	5096 40	Fenix and Scisson, 1987b
12	USW G-3	36°49'05"N	116°26'01"W	4856 50	Fenix and Scisson, 1987b
13	USW G-4	36°51'14"N	116°27'04"W	4166.90	Fenix and Scisson, 1987b
14	USW GA-1	36°53'28"N	116°27'51"W	5186.80	Fenix and Scisson, 1987b
15	USW GU-3	36°49'04"N	116°26'00"W	4856.60	Fenix and Scisson 1987b

△ PROPOSED GEOLOGIC EXPLORATORY COREHOLES

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
16	UE-25 G#7	36°44'26"N	116°26'28"W	U S DOE, 1988b
17	USW G-5	36°53'53"N	116°27'04"W	U S DOE, 1988b
18	USW G-6	36°53'22"N	116°29'58"W	U S DOE 1988b
19	UE25 PH#1a	36°51'15"N	116°25'47"W	U S DOE 1988c
20	UE25 PH#1b	36°51'15"N	116°25'47"W	U S DOE, 1988c

* Top Casing Elevation (ft)



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VOLCANIC DRILLHOLES
SA3-3.0

★ EXISTING VOLCANIC/HYDROLOGIC HOLES – SOURCE: Fenix and Scisson, 1986

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	GROUND ELEVATION (FT)
1	USW VH-1	36°47'32"N	116°33'07"W	3161 00
2	USW VH-2	36°48'21"N	116°34'37"W	3197 10

☆ PROPOSED VOLCANIC HOLES

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
3	USW V-1	36°45 15"N	116°36 19"W	U S DOE, 1988b
4	USW V-2	36°37'40"N	116°24'04"W	Crowe, 1991
5	USW V 3	36°33'28"N	116°26'08"W	U S. DOE, 1988c
6	USW V-4	36°33'38"N	116°23'48"W	U S DOE, 1988c

APERTURE CARD

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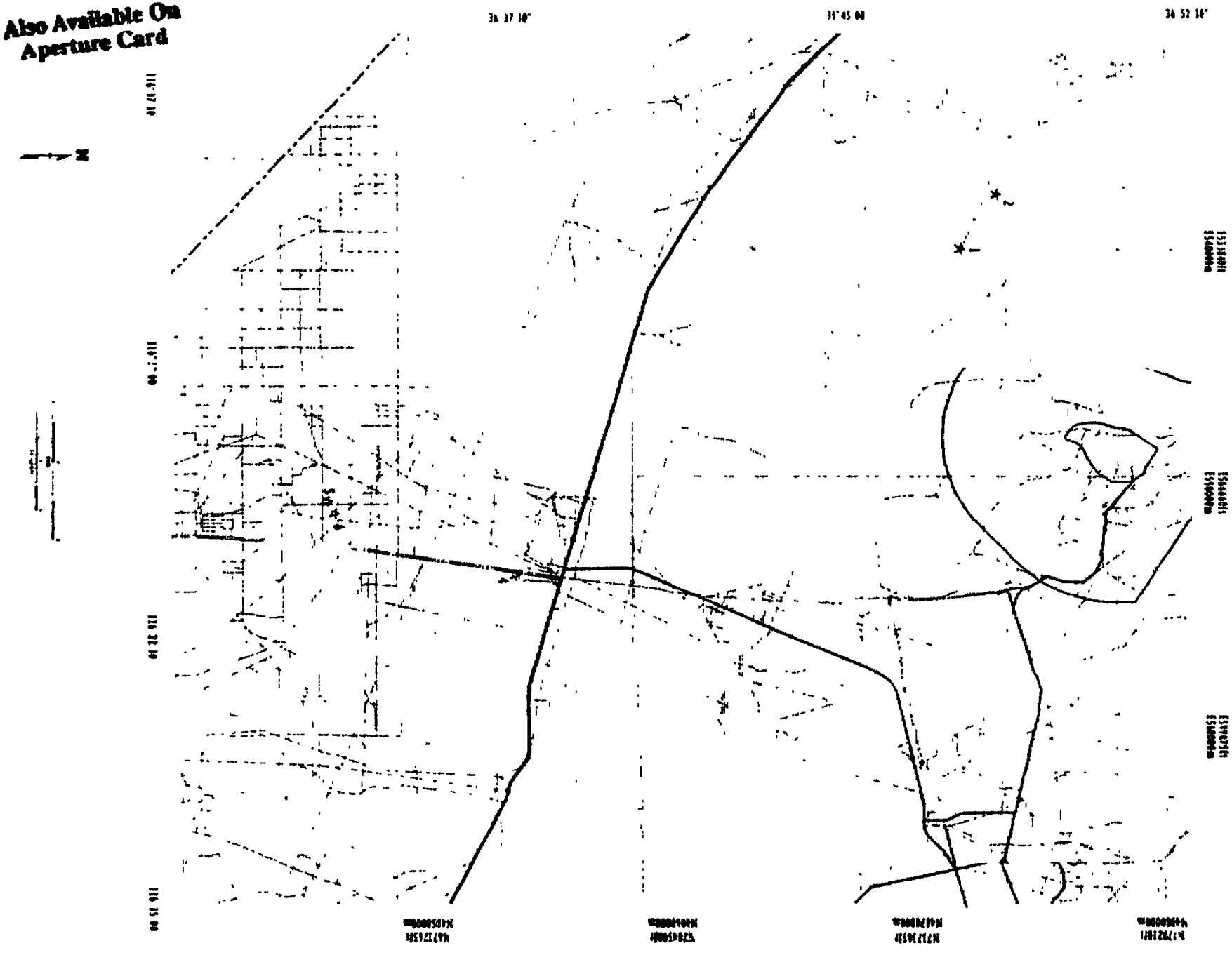

EXPLORATORY DRILLHOLES
SA3-4.0

▼ EXISTING REPOSITORY SURFACE FACILITIES SITE EXPLORATORY HOLES – SOURCE Fenix and Scisson, 1986c

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	GROUND ELEVATION (FT)
1	UE 25 RF #1	36°50'36"N	116°25'28"W	3688 50
2	UE-25 RF #10	36°51'09"N	116°25'36"W	3672 20*
3	UE 25 RF #11	36°51 12"N	116°25'33"W	3668 60*
4	UE-25 RF #2	36°50'04"N	116°25'35"W	3656 80
5	UE-25 RF #3	36°51'11"N	116°25'25"W	3657 70
6	UE 25 RF #3B	36°51'12"N	116°25'26"W	3661 10
7	UE-25 RF #4	36°50'37"N	116°25'13"W	3636 80
8	UE 25 RF #	36°50'08"N	116°26'02"W	3613.70
9	UE 25 RF #7	36°51'43"N	116°25'24"W	3756 10
10	UE-25 RF #7A	36°51'43"N	116°25'35"W	3755.90
11	UE-25 RF #8	36°51'12"N	116°25'54"W	3787 90
12	UE-25 RF #9	36°51'15"N	116°25'31"W	3674 40*

▽ PROPOSED SYSTEMATIC DRILLING PROGRAM

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
13	USW SD 1	36°51'37"N	116°27'00"W	U S DOE, 1988c
14	USW SD 2	36°51'34"N	116°27'33"W	U S DOE, 1988c
15	USW SD 3	36°51'03"N	116°27'50"W	U S DOE, 1988c
16	USW SD-4	36°51'00"N	116°27'13"W	U S DOE, 1988c
17	USW SD-5	36°50'48"N	116°26'50"W	U S DOE, 1988c
18	USW SD 6	36°50'38"N	116°27'50"W	U S DOE, 1988c
19	USW SD-7	36°50'02"N	116°27'29"W	U S DOE, 1988c
20	USW SD-8	36°50'30"N	116°26'52"W	U S DOE 1988c
21	UE-25 SD49	36°50'28"N	116°26'45"W	U S DOE, 1988c
22	USW SD-10	36°50'24"N	116°26'57"W	U S. DOE, 1988c
23	USW SD-11	36°50 23"N	116°26 51"W	U S DOE 1988c
24	USW SD-12	36°50 16"N	116°26'49"W	U S. DOE, 1988c
25	UE-25 RF#6	36°51'05"N	116°25'38"W	U S DOE, 1988c
26	UE 25 RF#12	36°51'01"N	116°25'40"W	U S DOE 1988c

▽ PROPOSED RAMP DESIGN DRILLING PROGRAM

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
27	UE 25 NRG 1	36°51 10"N	116°25'40"W	U S DOE, 1991c
28	UE-25 NRG-2	36°51'13"N	116°25'51"W	U S DOE, 1991c
29	UE-25 NRG-3	36°51'19"N	116°26'01"W	U S DOE, 1991c
30	UE-25 NRG-4	36°51'24"N	116°26'17"W	U S DOE, 1991c
31	UE-25 NRG-5	36°51'34"N	116°26 44"W	U S DOE, 1991c
32	UE-25 NRG-6	36°51'23"N	116°26'53"W	U S DOE, 1991c
33	UE-25 SRG-1	36°49'43"N	116°26'23"W	U S DOE, 1991c
34	UE 25 SRG 2	36°49'46"N	116°26'40"W	U S DOE, 1991c
35	USW SRG 3	36°49'48"N	116°26'58"W	U S. DOE, 1991c
36	USW SRG-4	36°49'51"N	116°27'28"W	U S DOE, 1991c
37	USW SRG 5	36°49'57"N	116°28 03"W	U S DOE, 1991c

* Top Casing Elevation (ft)

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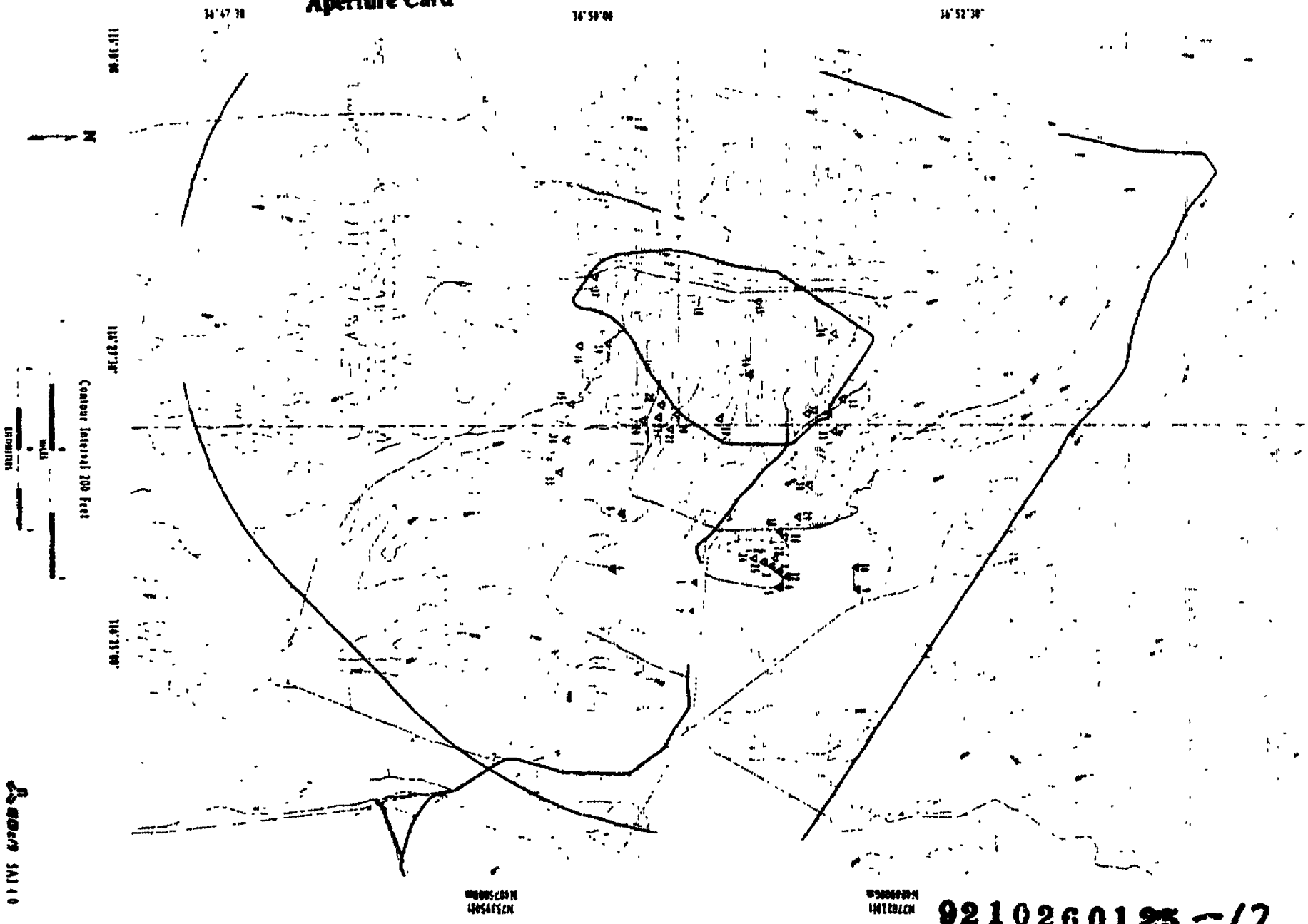

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HYDROLOGIC DRILLHOLES
SA3-5.0

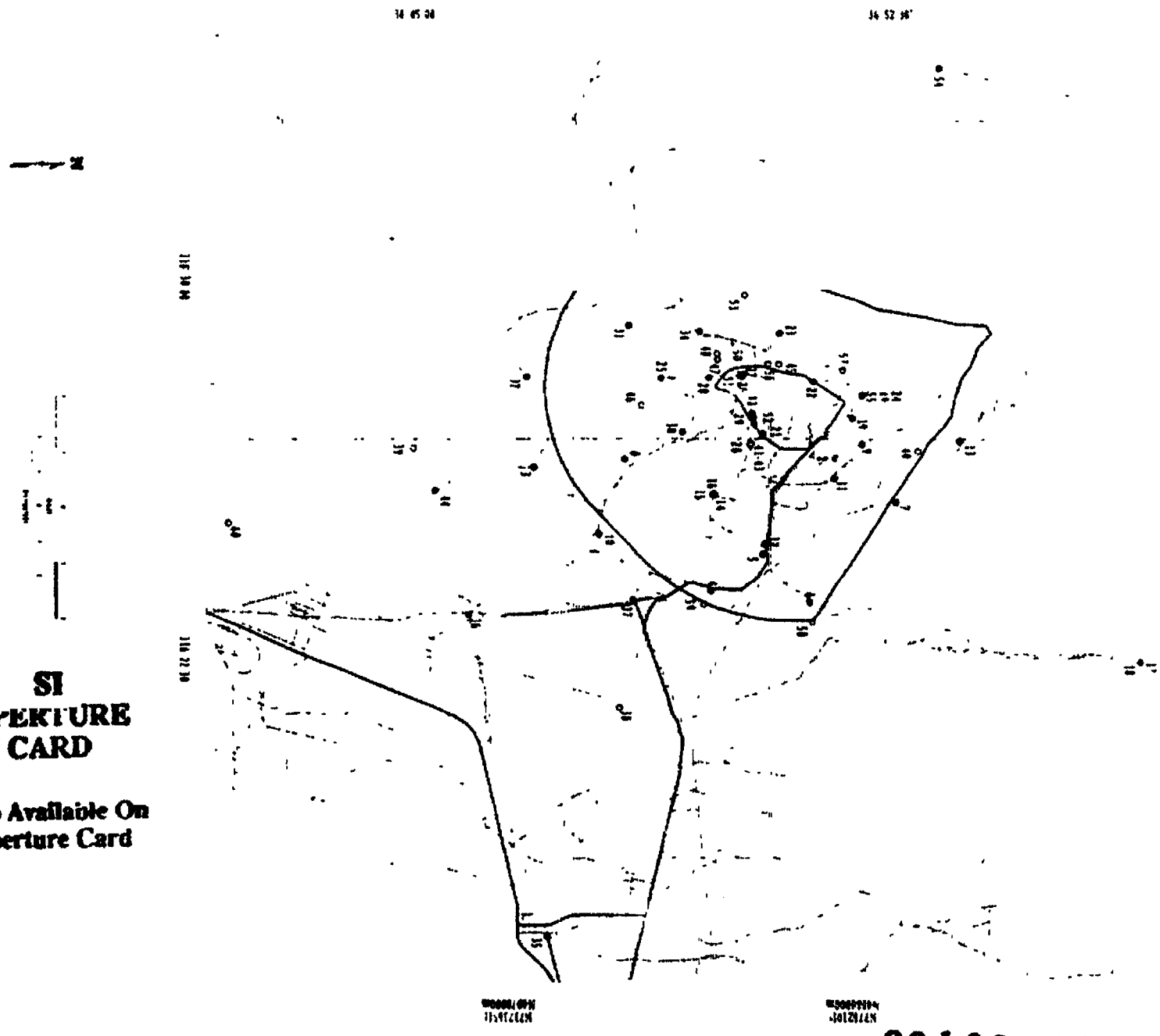
● EXISTING HYDROLOGIC TEST HOLES

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	GROUND ELEVATION (FT)	SOURCE
1	UE 25 UZ #4	36°51'42"N	116°26'26"W	3938.50	Fenix and Scisson, 1987c
2	UE 25 UZ #5	36°51'41"N	116°26'26"W	3951.60	Fenix and Scisson, 1987c
3	UE-25 WT #12	36°46.56"N	116°26'16"W	3526.60	Fenix and Scisson, 1986b
4	UE-25 WT #13	36°49.43"N	116°23'51"W	3386.00	Fenix and Scisson, 1986b
5	UE 25 WT #14	36°50'32"N	116°24'35"W	3529.90	Fenix and Scisson, 1986b
6	UE-25 WT #15	36°51'16"N	116°23'38"W	3552.50	Fenix and Scisson, 1986b
7	UE-25 WT #16	36°52'39"N	116°25'34"W	3971.40	Fenix and Scisson, 1986b
8	UE-25 WT #17	36°48'22"N	116°26'26"W	3668.50	Fenix and Scisson, 1986b
9	UE 25 WT #18	36°52'07"N	116°26'42"W	4553.00	Fenix and Scisson, 1986b
10	UE-25 WT #3	36°47'57"N	116°24'58"W	3379.52	Fenix and Scisson, 1986b
11	UE 25 WT #4	36°51.40"N	116°26'03"W	3829.10	Fenix and Scisson, 1986b
12	UE-25 WT #5	36°50'34"N	116°24'47"W	3559.00	Fenix and Scisson, 1986b
13	UE-25 WT #6	36°53'40"N	116°26'46"W	4306.90	Fenix and Scisson, 1986b
14	UE-25c #1	36°49'47"N	116°25'43"W	3708.70	Fenix and Scisson, 1986f
15	UE 25c #2	36°49.45"N	116°25'43"W	3714.10	Fenix and Scisson, 1986f
16	UE 25c #3	36°49.46"N	116°25'44"W	3714.20	Fenix and Scisson, 1986f
17	UE 29a #1	36°56'29"N	116°22'26"W	3986.70	Fenix and Scisson, 1986d
18	UE-29a #2	36°56'29"N	116°22'26"W	3987.40	Fenix and Scisson, 1986d
19	USW H-1	36°51'58"N	116°27'12"W	4274.40	Fenix and Scisson, 1987a
20	USW H-3	36°49.42"N	116°26'01"W	4866.40	Fenix and Scisson, 1987a
21	USW H-4	36°50'32"N	116°26'54"W	4098.50	Fenix and Scisson, 1987a
22	USW H-5	36°51'22"N	116°27'55"W	4850.80	Fenix and Scisson, 1987a
23	USW H-6	36°50.49"N	116°26'55"W	4270.60	Fenix and Scisson, 1987a
24	USW UZ-1	36°52'08"N	116°27'39"W	4426.24	Fenix and Scisson, 1987c
25	USW UZ-13	36°48'57"N	116°28'01"W	4815.80	Fenix and Scisson, 1987c
26	USW UZ-6	36°50'14"N	116°28'02"W	4924.50	Fenix and Scisson, 1987c
27	USW UZ-6s	36°50'15"N	116°28'09"W	4949.20	Fenix and Scisson, 1987c
28	USW UZ 7	36°50'24"N	116°27.06"W	4169.30	Fenix and Scisson, 1987c
29	USW UZ 8*	36°50'24"N	116°27'14"W	4227.00	Fenix and Scisson, 1987c
30	USW WT 1	36°49'16"N	116°26'56"W	3942.46	Fenix and Scisson, 1986b
31	USW WT 10	36°48'25"N	116°29'05"W	3686.00	Fenix and Scisson, 1986b
32	USW WT-11	36°46.49"N	116°23'02"W	3590.50	Fenix and Scisson, 1986b
33	USW WT 2	36°50'23"N	116°27'18"W	4209.68	Fenix and Scisson, 1986b
34	USW WT-7	36°49'33"N	116°28'57"W	3927.20	Fenix and Scisson, 1986b
35	J 11	36°47'06"N	116°17'08"W	3445.00	Fenix and Scisson, 1987f
36	J-12	36°45.54"N	116°23'24"W	3129.80	Fenix and Scisson, 1987f
37	J-13	36°48'29"N	116°23'41"W	3317.70	Fenix and Scisson, 1987f

○ PROPOSED HYDROLOGIC TEST WELLS

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
38	UE 25 WT#19	36°48'17"N	116°21'34"W	U S DOE, 1988b
39	UE-25 WT#20	36°45'03"N	116°26'40"W	U S DOE, 1988b
40	UE 25 WT#24	36°53'01"N	116°26'34"W	U S DOE, 1988c
41	UE25 UZ#9	36°50.22"N	116°26'43"W	U S DOE, 1988c
42	UE25 UZ#9a	36°50'22"N	116°26.43"W	U S DOE, 1988c
43	UE25 UZ#9b	36°50'22"N	116°26'42"W	U S DOE, 1988c
44	US25 UZP#1:2	36°45'23"N	116°25'50"W	U.S. DOE, 1988c
45	USW H-7	36°50'49"N	116°26'18"W	U S DOE, 1988c
46	USW UZ-10	36°48'39"N	116°27'28"W	U S DOE, 1988b
47	USW UZ-11	36°49'51"N	116°28'24"W	U.S. DOE, 1988c
48	USW UZ-12	36°49'51"N	116°28'30"W	U S DOE, 1988c
49	USW UZ-14	36°52.08"N	116°27'39"W	U S DOE, 1988c
50	USW UZ-2	36°50.14"N	116°28'04"W	Holmes & Narver, 1987b
51	USW UZ-3	36°50.13"N	116°28'04"W	Holmes & Narver, 1987b
52	USW UZ 8*	36°50.24"N	116°27'14"W	Holmes & Narver, 1987a
53	USW WT-21	36°50'17"N	116°29'41"W	U S DOE, 1988b
54	USW WT 22	36°53.23"N	116°34'11"W	U S DOE, 1988b
55	USW WT 23	36°52'08"N	116°27'39"W	U S DOE 1988c
56	USW WT 8	36°50.39"N	116°28'18"W	U S DOE, 1988c
57	USW WT 9	36°51.50"N	116°28'11"W	U S DOE, 1988b
58	UE 25 FM#1	36°51'20"N	116°23.15"W	U S DOE, 1988c
59	UE 25 FM#2	36°49.37"N	116°23.36"W	U S DOE 1988c
60	UE 25 FM#3	36°42'06"N	116°25'12"W	U S DOE, 1988c

* Suspended



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EBASCO SA150

NATURAL INFILTRATION MONITORING DRILLHOLES

SA3-6.0

◆ EXISTING NATURAL INFILTRATION MONITORING

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	GROUND ELEVATION (FT)	SOURCE
1	UE-25 UZN #1	36°51'48"N	116°26'37"W	3995.10	Fenix & Scisson, 1987d
2	UE 25 UZN #2	36°51'41"N	116°26'26"W	3947.20	Fenix & Scisson, 1987d
3	UE-25 UZN #3	36°51'41"N	116°26'26"W	3940.80	Fenix & Scisson, 1987d
4	JE-25 UZN #4	36°51'42"N	116°26'26"W	3942.40	Fenix & Scisson, 1987d
5	UE-25 UZN #5	36°51'42"N	116°26'26"W	3942.90	Fenix & Scisson, 1987d
6	UE 25 UZN #6	36°51'42"N	116°26'26"W	3938.00	Fenix & Scisson, 1987d
7	UE-25 UZN #7	36°51'42"N	116°26'26"W	3938.80	Fenix & Scisson, 1987d
8	UE 25 UZN #8	36°51'43"N	116°26'26"W	3938.80	Fenix & Scisson, 1987d
9	UE-25 UZN #9	36°51'43"N	116°26'26"W	3941.20	Fenix & Scisson, 1987d
10	UE-25 UZN #10	36°51'54"N	116°26'43"W	4038.30	Fenix & Scisson, 1987d
11	UE-25 UZN #12	36°51'42"N	116°26'19"W	3906.80	Fenix & Scisson, 1987d
12	UE-25 UZN #13	36°51'35"N	116°26'00"W	3821.30	Fenix & Scisson, 1987d
13	UE-25 UZN #14	36°51'35"N	116°26'00"W	3823.90	Fenix & Scisson, 1987d
14	UE 25 UZN #18	36°51'20"N	116°26'37"W	4018.50	Fenix & Scisson, 1987d
15	UE-25 UZN #19	36°50'53"N	116°26'46"W	4024.90	Fenix & Scisson, 1987d
16	UE-25 UZN #20	36°50'53"N	116°26'45"W	4027.20	Fenix & Scisson, 1987d
17	UE 25 UZN #21	36°50'54"N	116°26'45"W	4027.50	Fenix & Scisson, 1987d
18	UE 25 UZN #22	36°50'55"N	116°26'45"W	4028.80	Fenix & Scisson, 1987d
19	UE-25 UZN #23	36°50'55"N	116°26'46"W	4043.10	Fenix & Scisson, 1987d
20	LE 25 UZN #28	36°50'47"N	116°26'36"W	3959.10	Fenix & Scisson, 1987d
21	UE-25 UZN #29	36°50'42"N	116°26'36"W	3972.90	Fenix & Scisson, 1987d
22	UE-25 UZN #30	36°50'36"N	116°26'37"W	3958.80	Fenix & Scisson, 1987d
23	UE 25 UZN #56	36°50'20"N	116°26'34"W	3959.80	Fenix & Scisson, 1987d
24	UE-25 UZN #60	36°50'14"N	116°26'21"W	3892.10	Fenix & Scisson, 1987d
25	UE-25 UZN #86	36°48'44"N	116°24'06"W	3337.10	Fenix & Scisson, 1987d
26	UE-25 UZN #87	36°50'47"N	116°26'36"W	3958.10	Fenix & Scisson, 1987d
27	UE-29 UZN #91	36°56'24"N	116°22'29"W	3946.90	Fenix & Scisson, 1987d
28	UE-29 UZN #92	36°53'14"N	116°22'51"W	3669.20	Fenix & Scisson, 1987d
29	USW UZ-N11	36°53'40"N	116°27'53"W	———	RSN, 1992a
30	USW UZ N15	36°53'15"N	116°27'47"W	———	RSN, 1992a
31	USW UZ N16	36°53'16"N	116°27'46"W	———	RSN, 1992a
32	USW UZ-N17	36°53'16"N	116°27'41"W	———	RSN, 1992a
33	USW UZ-N24	36°51'36"N	116°27'16"W	4226.60	Fenix & Scisson, 1987d
34	USW UZ-N25	36°51'40"N	116°27'27"W	4134.70	Fenix & Scisson, 1987d
35	USW UZ-N26	36°51'43"N	116°27'29"W	4384.10	Fenix & Scisson, 1987d
36	USW UZ N36	36°52'34"N	116°26'57"W	4642.00	RSN, 1992a
37	USW UZ N37	36°51'30"N	116°26'56"W	———	RSN, 1992a
38	USW UZ-N40	36°51'17"N	116°26'50"W	4079.40	Fenix & Scisson, 1987d
39	USW UZ-N41	36°51'14"N	116°26'58"W	4117.50	Fenix & Scisson, 1987d
40	USW UZ-N42	36°51'13"N	116°27'07"W	4179.10	Fenix & Scisson, 1987d
41	USW UZ N43	36°51'16"N	116°27'02"W	4149.40	Fenix & Scisson, 1987d
42	USW UZ-N44	36°51'17"N	116°27'03"W	4161.50	Fenix & Scisson, 1987d
43	USW UZ-N45	36°51'15"N	116°27'00"W	4129.90	Fenix & Scisson, 1987d
44	USW UZ N46	36°52'18"N	116°27'45"W	4500.50	Fenix & Scisson, 1987d
45	USW UZ N47	36°52'15"N	116°27'44"W	4480.40	Fenix & Scisson, 1987d
46	USW UZ N48	36°50'24"N	116°27'12"W	4211.[illegible]	Fenix & Scisson, 1987d
47	USW UZ-N49	36°50'25"N	116°27'13"W	4228.50	Fenix & Scisson, 1987d
48	USW UZ-N50	36°50'24"N	116°27'06"W	4173.20	Fenix & Scisson, 1987d
49	USW UZ-N51	36°50'25"N	116°27'06"W	4169.00	Fenix & Scisson, 1987d
50	USW UZ-N52	36°50'25"N	116°27'06"W	4172.20	Fenix & Scisson, 1987d
51	USW UZ-N54	36°50'19"N	116°26'49"W	———	RSN, 1992a
52	USW UZ-N55	36°50'21"N	116°26'50"W	———	RSN, 1992a
53	USW UZ-N65	36°50'03"N	116°27'11"W	4371.90	Fenix & Scisson, 1987d
54	USW UZ-N66	36°50'01"N	116°27'19"W	4365.50	Fenix & Scisson, 1987d
55	USW UZ N67	36°49'13"N	116°26'55"W	3920.20	Fenix & Scisson, 1987d
56	USW UZ-N68	36°49'16"N	116°26'53"W	3924.70	Fenix & Scisson, 1987d
57	USW UZ N69	36°49'21"N	116°26'48"W	3918.20	Fenix & Scisson, 1987d
58	USW UZ-N70	36°51'48"N	116°27'40"W	4542.10	Fenix & Scisson, 1987d
59	USW UZ-N71	36°50'26"N	116°28'01"W	4924.90	Fenix & Scisson, 1987d
60	USW UZ-N72	36°50'27"N	116°27'59"W	4889.20	Fenix & Scisson, 1987d
61	USW UZ-N73	36°50'27"N	116°27'55"W	4866.60	Fenix & Scisson, 1987d
62	USW UZ N74	36°50'30"N	116°28'00"W	4903.70	Fenix & Scisson, 1987d
63	USW UZ-N75	36°50'31"N	116°27'53"W	4799.00	Fenix & Scisson, 1987d
64	USW UZ N76	36°50'30"N	116°27'54"W	4958.00	Fenix & Scisson, 1987d
65	USW UZ-N77	36°49'32"N	116°28'51"W	3900.50	Fenix & Scisson, 1987d
66	USW UZ-N78	36°49'52"N	116°28'28"W	4182.20	Fenix & Scisson, 1987d
67	USW UZ-N79	36°49'54"N	116°28'27"W	4154.90	Fenix & Scisson, 1987d
68	USW UZ-N80	36°49'53"N	116°28'18"W	4332.20	Fenix & Scisson, 1987d
69	USW UZ N81	36°49'55"N	116°28'36"W	4065.20	Fenix & Scisson, 1987d
70	USW UZ-N82	36°49'52"N	116°28'47"W	3974.60	Fenix & Scisson, 1987d
71	USW UZ N83	36°50'23"N	116°28'27"W	4157.40	Fenix & Scisson, 1987d
72	USW UZ N84	36°50'23"N	116°28'32"W	4111.60	Fenix & Scisson, 1987d
73	USW UZ-N86	36°50'22"N	116°28'25"W	4171.90	Fenix & Scisson, 1987d
74	USW UZ-N87	36°50'23"N	116°28'32"W	4111.60	Fenix & Scisson, 1987d
75	USW UZ-N88	36°50'24"N	116°28'24"W	4201.70	Fenix & Scisson, 1987d
76	USW UZ-N89	36°50'22"N	116°28'36"W	4089.60	Fenix & Scisson, 1987d
77	USW UZ N90	36°50'22"N	116°28'36"W	4089.60	Fenix & Scisson, 1987d
78	USW UZ-N93	36°50'12"N	116°28'03"W	4924.00	Fenix & Scisson, 1987d
79	USW UZ-N94	36°50'14"N	116°28'04"W	4926.10	Fenix & Scisson, 1987d
80	USW UZ-N95	36°50'15"N	116°28'04"W	4929.00	Fenix & Scisson, 1987d
81	USW UZ-N96	36°50'11"N	116°28'02"W	4893.40	Fenix & Scisson, 1987d
82	USW UZ-N98	36°51'3[illegible]"N	116°27'16"W	4223.10	Fenix & Scisson, 1987d
83	UE-25 UZNC #1	36°51'02"N	116°26'26"W	3928.50	Fenix & Scisson, 1987d
84	UE 25 UZNC #2	36°51'02"N	116°26'26"W	3928.40	Fenix & Scisson, 1987d

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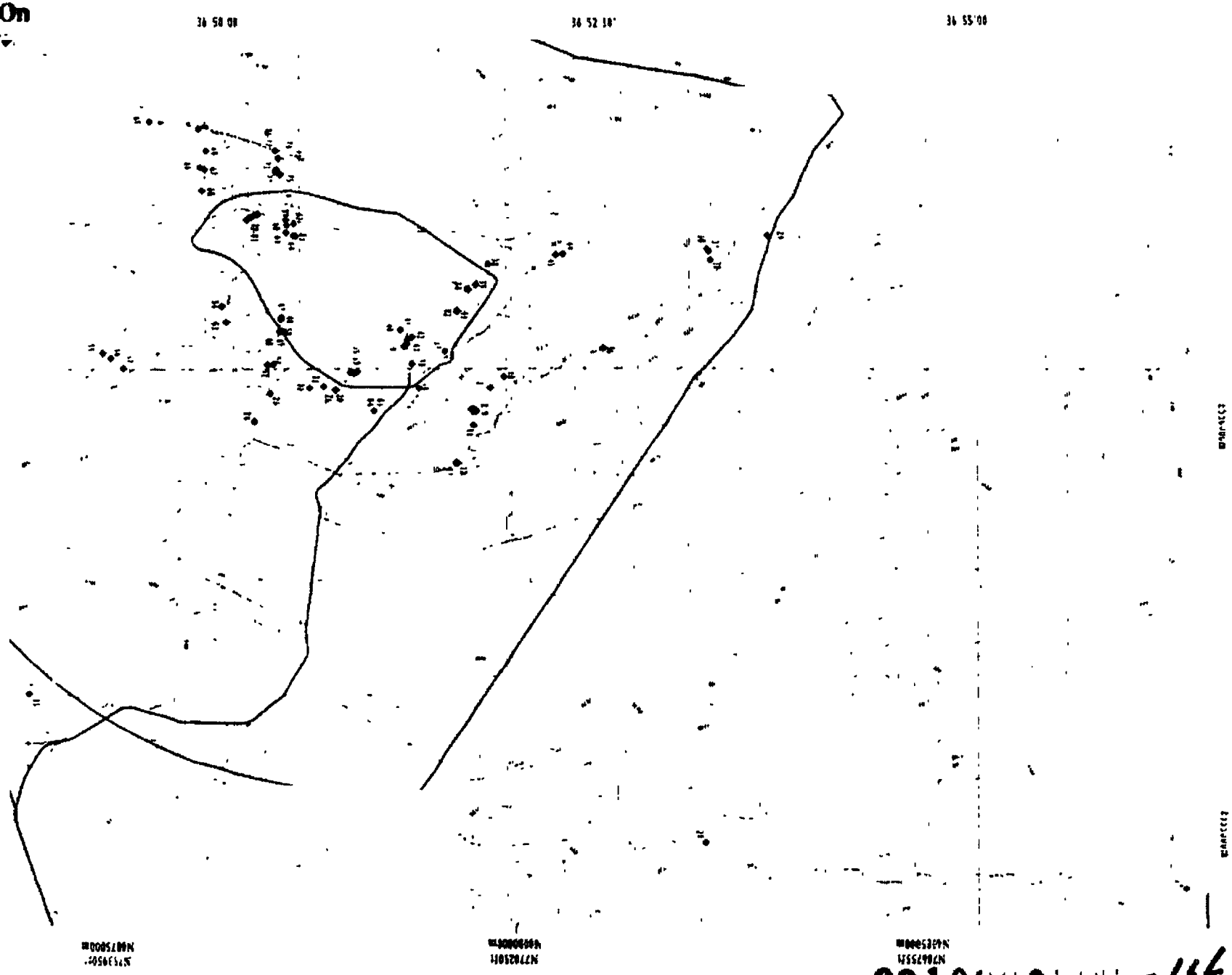

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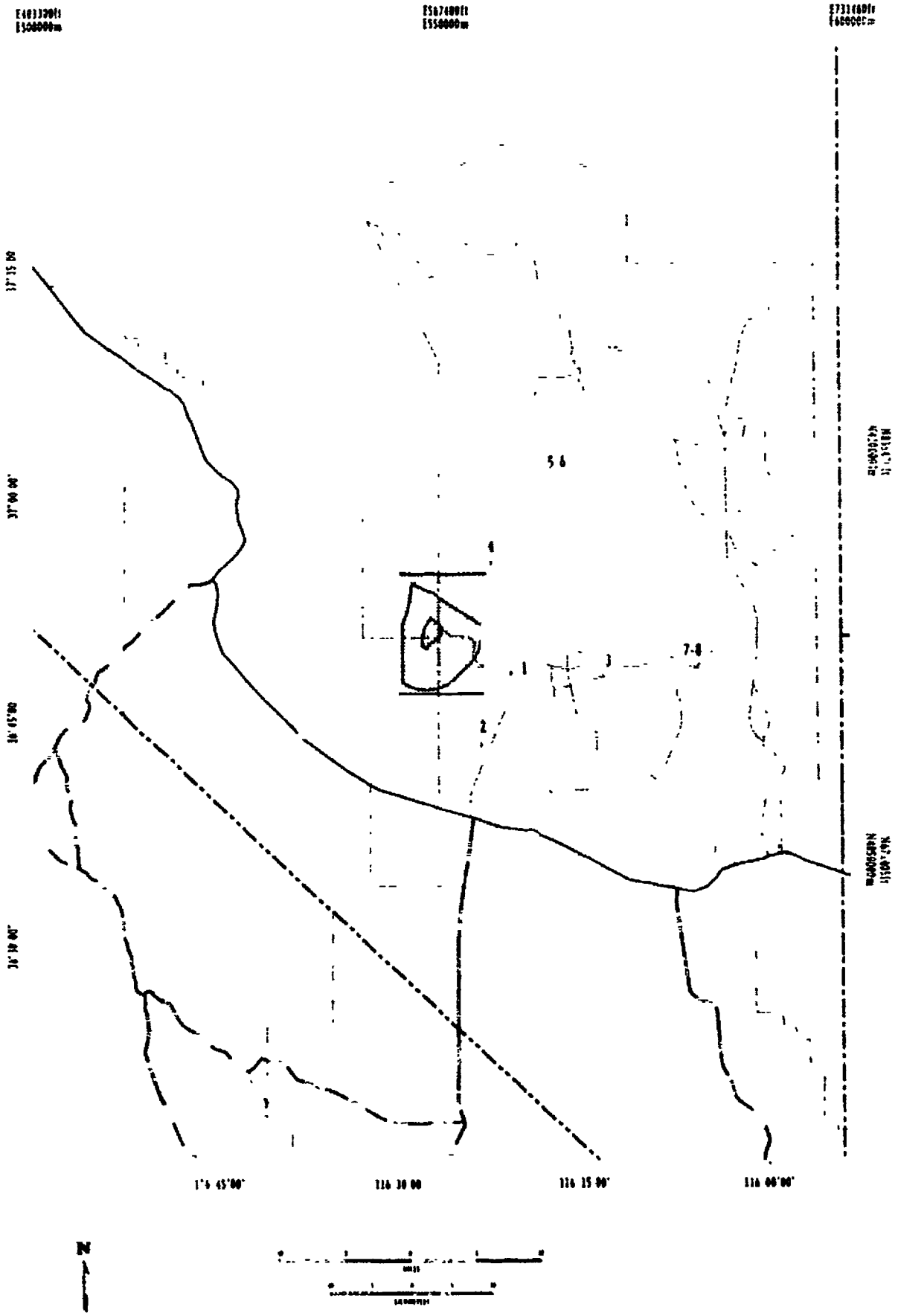
GEOPHYSICAL DRILLHOLES IN THE NEVADA TEST SITE
SA3-7.0

+ EXISTING SEISMIC HOLES – SOURCE Fenix and Scisson, 1987e

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	GROUND ELEVATION (FT)
1	U 25 Seismic #20	36°48 09"N	116°20'54"W	3357 00
2	U 25 Seismic #22	36°43 24"N	116°23'22"W	2948 60
3	U-26 Seismic #1	36°47 57"N	116°13'24"W	3848 40
4	U-29 Seismic #1	36°55'31"N	116°22'31"W	3878 00
5	U 30 Seismic #1	37°03'00"N	116°18'27"W	4753 00
6	U 30 Seismic #2	37°03'00"N	116°18'27"W	4753 70
7	U 5 Seismic #1	36°48 29"N	116°05'33"W	3868 70
8	U 5 Seismic #2	36°48'29"N	116°05'33"W	3867 70

Note Shaded area is shown enlarged on Map SA3-8 0



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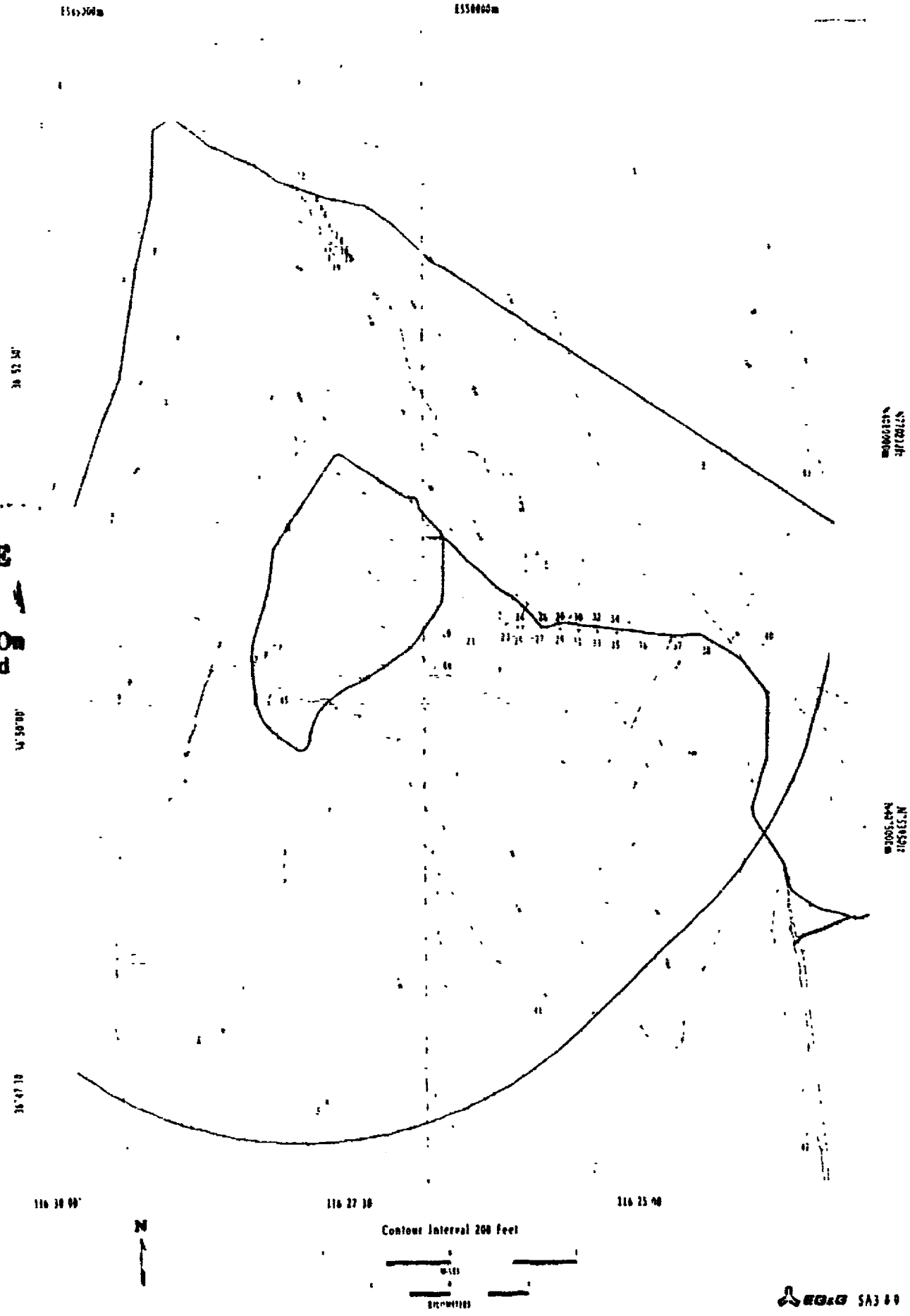
GEOPHYSICAL DRILLHOLES IN THE NEAR-FIELD STUDY AREA
SA3-8.0

EXISTING SEISMIC HOLES – SOURCE: Fenix and Scisson, 1987e

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	GROUND ELEVATION (FT)
1	U-25 Seismic #	36°53'23"N	116°27'36"W	——
2	U 25 Seismic #2	36°53'25"N	116°27'37"W	5106 76
3	U-25 Seismic #3	36°53'27"N	116°27'38"W	5110 62
4	U-25 Seismic #4	36°53'29"N	116°27'39"W	5113 46
5	U-25 Seismic #5	36°53'30"N	116°27'40"W	5120 [illegible]3
6	U 25 Seismic #6	36°53'32"N	116°27'42"W	5084 98
7	U 25 Seismic #7	36°53'34"N	116°27'43"W	5141 04
8	U-25 Seismic #8	36°53'35"N	116°27'44"W	5152 83
9	U 25 Seismic #9	36°53'37"N	116°27'45"W	5161 61
10	U 25 Seismic #10	36°53'39"N	116°27'46"W	5171 03
11	U-25 Seismic #11	36°53'41"N	116°27'47"W	5179.24
12	U-25 Seismic #12	36°53'42"N	116°27'48"W	5185 31
13	U-25 Seismic #13	36°53'22"N	116°27'35"W	5095 04
14	U 25 Seismic #14	36°53'18"N	116°27'32"W	5076 04
15	U-25 Seismic #15	36°53'16"N	116°27'31"W	5084.18
16	U 25 Seismic #16	36°53'15"N	116°27'30"W	5051 55
17	U 25 Seismic #17	36°53'13"N	116°27'29"W	5040 20
18	U 25 Seismic #18	36°53'11"N	116°27'28"W	5027 69
19	U 25 Seismic #19	36°53'09"N	116°27'26"W	5017.53
20	US-25 #1	36°50'42"N	116°26'35"W	4258 51
21	US-25 #2	36°50'40"N	116°26'23"W	4316 23
22	US-25 #4	36°50'40"N	116°26'05"W	3800 35
23	US 25 #5	36°50'40"N	116°26'05"W	3799 45
24	US-25 #6	36°50'40"N	116°25'57"W	3783 18
25	US-25 #7	36°50'39"N	116°25'57"W	3782 82
26	US-25 #8	36°50'39"N	116°25'47"W	3757 32
27	US 25 #9	36°50'39"N	116°25'47"W	3755 42
28	US 25 #10	36°50'38"N	116°25'37"W	3723 97
29	US 25 #11	36°50'38"N	116°25'37"W	3724 08
30	US 25 #12	36°50'38"N	116°25'28"W	3688 00
31	US 25 #13	36°50'37"N	116°25'28"W	3687 62
32	US-25 #14	36°50'37"N	116°25'18"W	3653 14
33	US 25 #15	36°50'37"N	116°25'18"W	3653 66
34	US-25 #16	36°50'36"N	116°25'09"W	3620 00
35	US 25 #3	36°50'36"N	116°25'09"W	3619 57
36	US-25 #17	36°50'36"N	116°24'54"W	3575 59
37	US-25 #18	36°50'35"N	116°24'41"W	3544 71
38	US-25 #19	36°50'33"N	116°24'22"W	3498 79
39	US-25 #20	36°50'32"N	116°24'11"W	3484 76
40	US 25 #21	36°50'32"N	116°23'54"W	3481 40
41	U 25 Seismic #21	36°48'07"N	116°25'46"W	3526 10
42	U 25 Seismic #23	36°47'09"N	116°23'33"W	3215 30
43	U 25 Seismic #24	36°51'45"N	116°23'24"W	3554 60

PROPOSED VERTICAL SEISMIC PROFILE HOLES

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
44	UE25 VSP 2 (UZ-16)	36°50'20"N	116°26'40"W	USGS, 1991a
45	UE25 VSP 1 (UZ 15)	36°50'14"N	116°28'02"W	U S DOE, 1991c



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LOGGING FEASIBILITY TEST HOLES
SA3-9.0

- EXISTING LOGGING FEASIBILITY TEST HOLES – SOURCE: Fenix and Scisson, 1987f

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	GROUND ELEVATION (FT)
1	U 25 TC #1	36°49'40"N	116°16'51"W	3753 6
2	U 25 TC #2	36°49 40"N	116°16'51"W	3753 6
3	U 25 TC #3	36°49 43"N	116°16 49"W	3762 9
4	U 25 TC #4	36°49 44"N	116°16'49"W	3764 30
5	U 25 TCr #1	36°49 43"N	116°16'44"W	3789 90
6	U 25 TCr #2	36°49 43"N	116°16'44"W	3789 80
7	U 25 TCr #3	36°49'43"N	116°16'45"W	3789 70
8	U 25 TCr #4	36 49 43"N	116 16 45"W	3790 00

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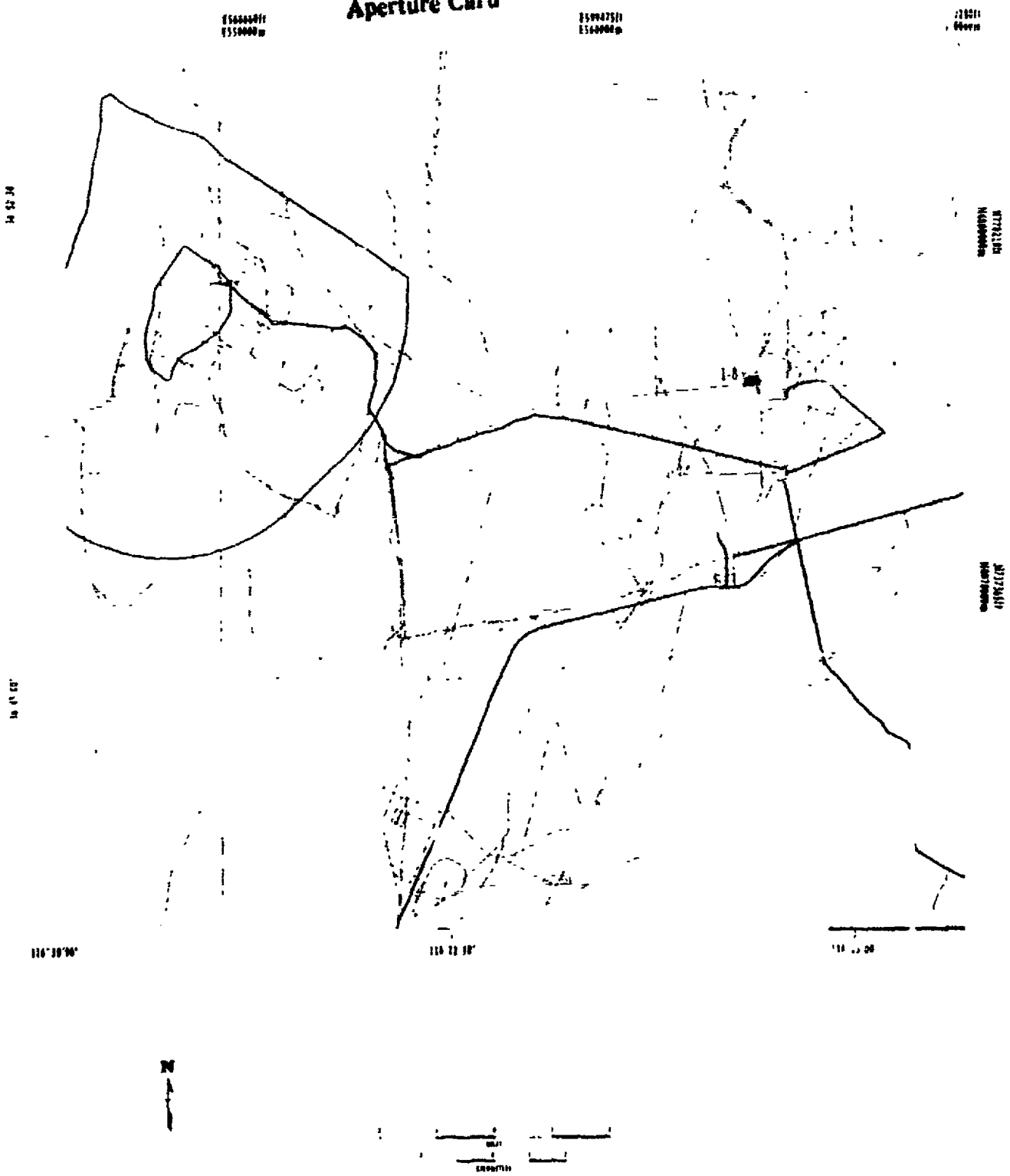

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TRENCHES
SA3-10.0

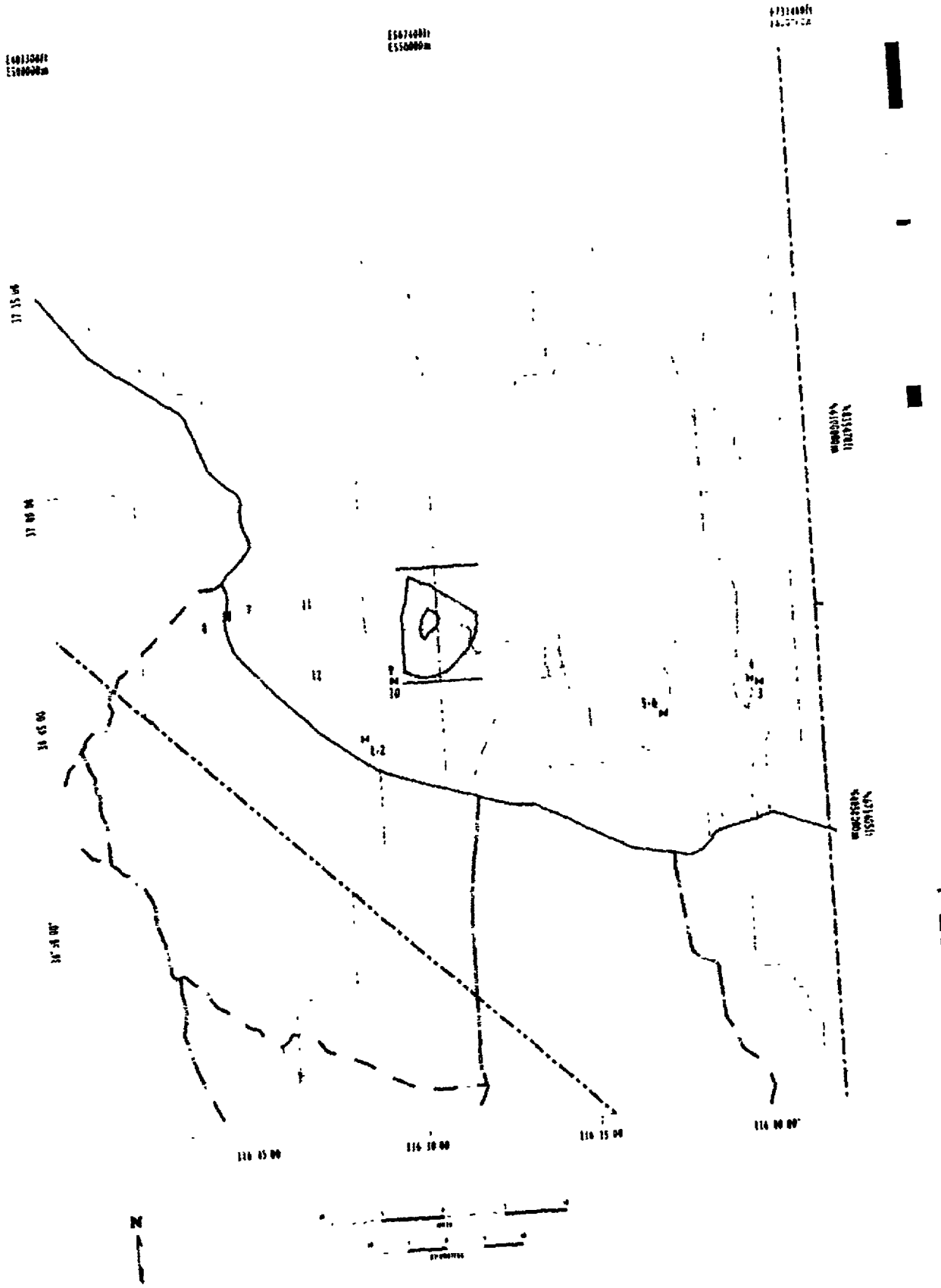
EXISTING TRENCHES

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
1	CFS(E)	36°43'42"N	116°34'06"W	Yount, 1992a
2	CFS(W)	36°43'48"N	116°34'18"	Yount, 1992a
3	F FLAT #1	36°45'20"N	115°58'50"W	Yount, 1992a
4	F FLAT #2	36°45'37"N	115°59'40"W	Yount, 1992a
5	ROCK V #1	36°43'18"N	116°07'48"W	Yount, 1991b
6	ROCK V #2	36°43'30"N	116°07'24"W	Yount, 1991b
7	TRBF-1	36°52'18"N	116°45'06"W	U S DOE, 1988d
8	TRBF-2	36°52'00"N	116°30'41"W	U S DOE, 1988d
9	TRCF2	36°47'01"N	116°30'44"W	Swadley et al., 1983
10	TRCF3	36°46'56"N	116°30'44"W	Swadley et al., 1983

PROPOSED TRENCHES – SOURCE: U S. DOE, 1988b

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE
11	Bare Mountain 1	36°52'01"N	116°38'00"W
12	Bare Mountain 2	36°48 33"N	116°37'36"W

Note: Centerpoint used from trench locations. Orientation of trenches is not identified Shaded area is shown enlarged on Map SA3-11 0



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NEAR-FIELD STUDY AREA TRENCHES

SA3-11.0

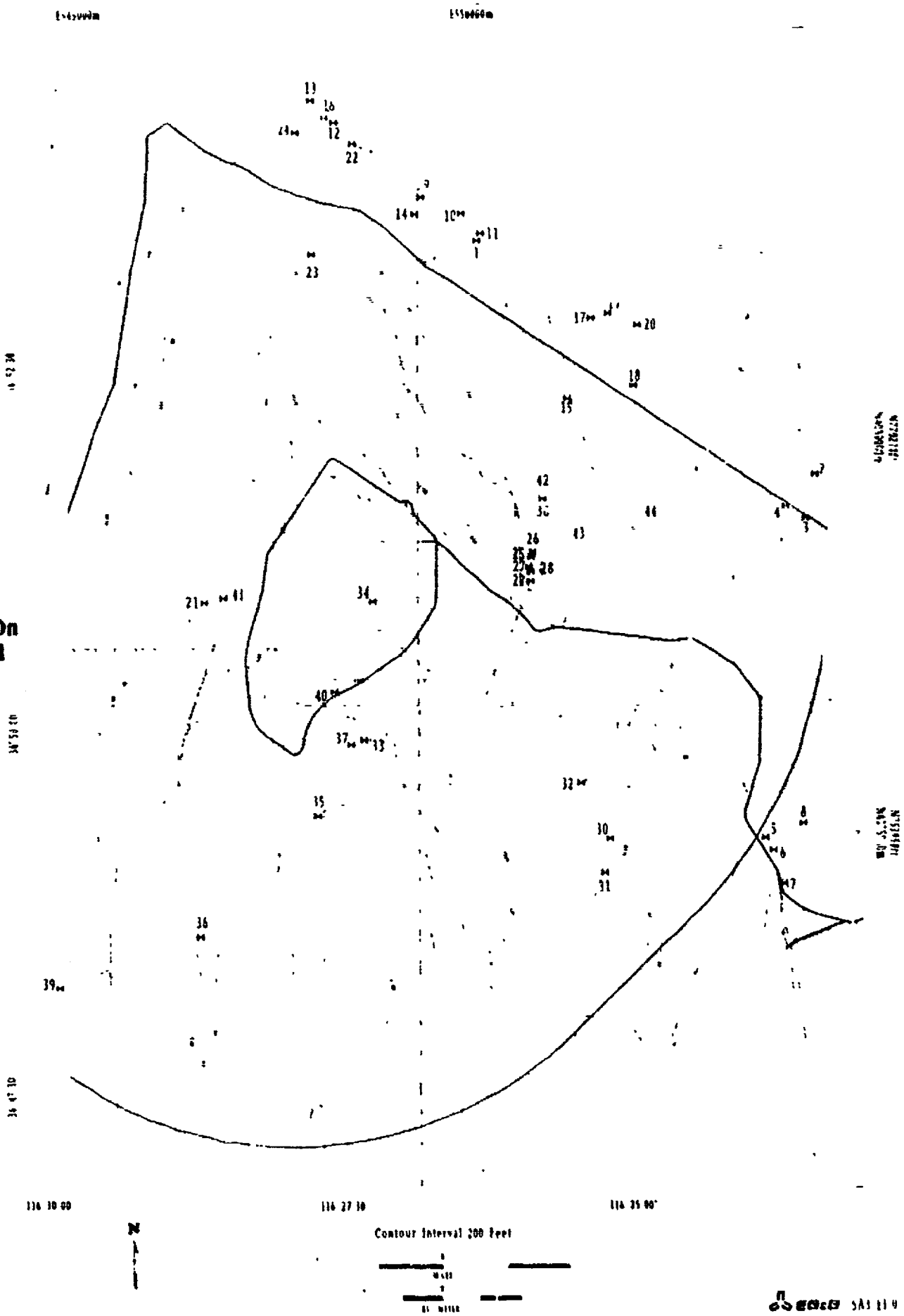
EXISTING TRENCHES

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
1	SPYW [illegible]	36°53'20"N	116°26'16"W	Taylor 1986
2	SPFW 17	36°51'43"N	116°2[illegible]'23"W	Taylor 1986
[illegible]	SPFW 18	36°51'25"N	116°23'28"W	Taylor 1986
4	SPFW 19	36°51'30"N	116°23'38"W	Taylor 1986
5	SPFW 3	36°49'[illegible]"N	116°23'49"W	Taylor 1986
6	SPFW-4	36°49'09"N	116°23'45"W	Taylor, 1986
7	SPFW 5	36°48'55"N	116°23'40"W	Taylor, 1986
8	SPFW-7	36°49'20"N	116°23'30"W	Taylor 1986
9	SPYW 1	36°53'38"N	116°26'45"W	Taylor 1986
10	SPYW 12	36°53'31"N	116°26'24"W	Taylor 1986
11	SPYW 13	36°53'23"N	116°26'14"W	Taylor 1986
12	SPYW 14	36°54'09"N	116°27'29"W	Taylor 1986
13	SPYW 15	36°51'18"N	116°27'41"W	Taylor 1986
14	SPYW 16	36°[illegible]'31"N	116°26'48"W	Taylor 1986
15	SPYW 2	36°[illegible]'15"N	116°25'30"W	Taylor 1986
16	SPYW 20	36°54'11"N	116°27'34"W	Taylor 1986
17	SPYW [illegible]2	36°52'48"N	116°25'18"W	Taylor 1986
18	SPYW-6	36°52'20"N	116°24'56"W	Taylor 1986
19	SPYW 6	36°52'50"N	116°25'09"W	Taylor [illegible]
20	SPYW 9	36°52'45"N	116°24'54"W	Taylor 1986
21	TR10A	36°50'[illegible]2"N	116°28'37"W	U S DOE, 1988d
22	TR11	36°54'00"N	116°27'20"W	U S DOE 1988d
23	TR12	36°53'15"N	116°27'41"W	U S DOE, 1988c
24	TR13	36°[illegible]'35"N	116°27'49"W	U S DOE, 1988d
25	TR14	36°51'10"N	116°25'49"W	Candelaria, 1992
26	TR14A	36°51'1[illegible]"N	116°25'48"W	U S DOE, 1988d
27	TR14B	36°51'06"N	116°25'50"W	U S DOE 1988d
28	TR14C	36°51'04"N	116°25'49"W	U S DOE, 1988d
29	TR14D	36°51'00"N	116°25'49"W	U S DOE, 1988d
30	TR16	36°49'14"N	116°25'09"W	U S DOE 1988d
31	TR16B	36°49'00"N	116°25'12"W	U S DOE 1988d
32	TR17	36°49'37"N	116°25'24"W	U S DOE, 1988d
33	TR2	36°49'55"N	116°27'15"W	U S DOE 1988d
34	TR4	36°50'52"N	116°27'10"W	U S DOE 1988d
35	TR5	36°49'[illegible]4"N	116°27'19"W	U S DOE 1988d
36	TR8	36°48'34"N	116°28'40"W	U S DOE, 1988d
37	TR9	36°49'53"N	116°27'22"W	U S DOE, 1988d
38	TRA 2	36°51'34"N	[illegible]°25'[illegible]3"W	Candelaria 1992
39	TRCF1	36°48'13"N	116°29'53"W	U S DOE 1988d
40	TRENCH A B C D	36°50'15"N	116°27'30"W	U S DOE, 1988d
41	TR10B	36°[illegible]'54"N	116°28'27"W	Swadley et al 1984

PROPOSED TRENCHES – SOURCE: USGS, 1991b

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
42	TRA 1	36°51'32"N	116°25'43"W	Candelaria 1992
43	MWV 11	36°51'15"N	116°25'25"W	USGS 1991b
44	MWV 12	36°51'24"N	116°24'4[illegible]"W	USGS 1991b

Note: Centerpoints use J for trench locations. Orientation of trenches is not identified. The SP trenches were excavated for soil profile analysis.



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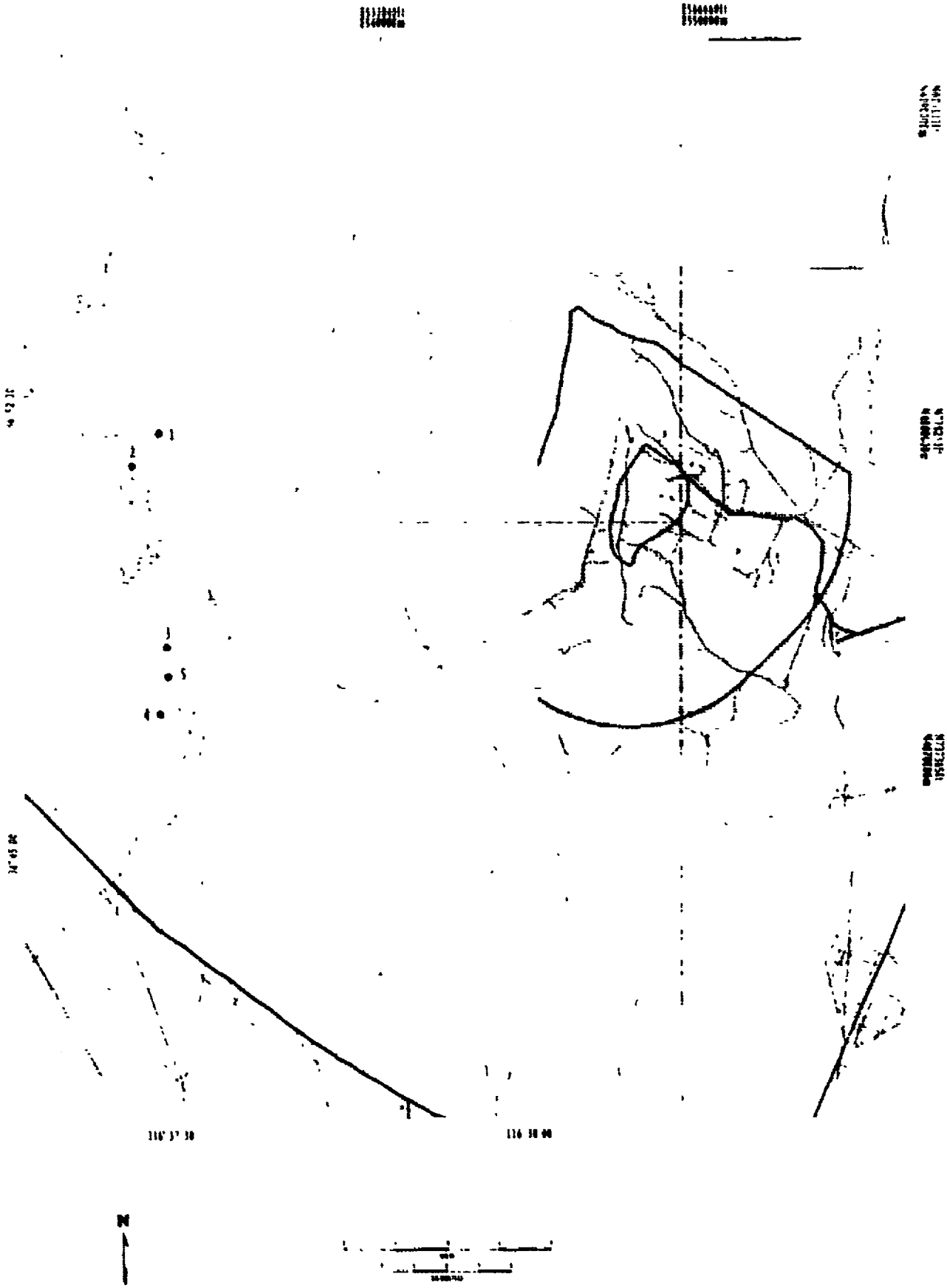
PITS
SA3-12.0

- EXISTING PITS – SOURCE Reheis, 1986

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE
1	P1	36°5[illegible] 04"N	116°37 42"W
2	P2	36°51 31"N	116°38'16"W
3	P3	36°48 29"N	116°37 32"W
4	P4	36°47'19"N	116°37'40"W
5	P5	36°47'58"N	116°37 31"W

Note Shaded area is shown enlarged on Map SA3 13 0



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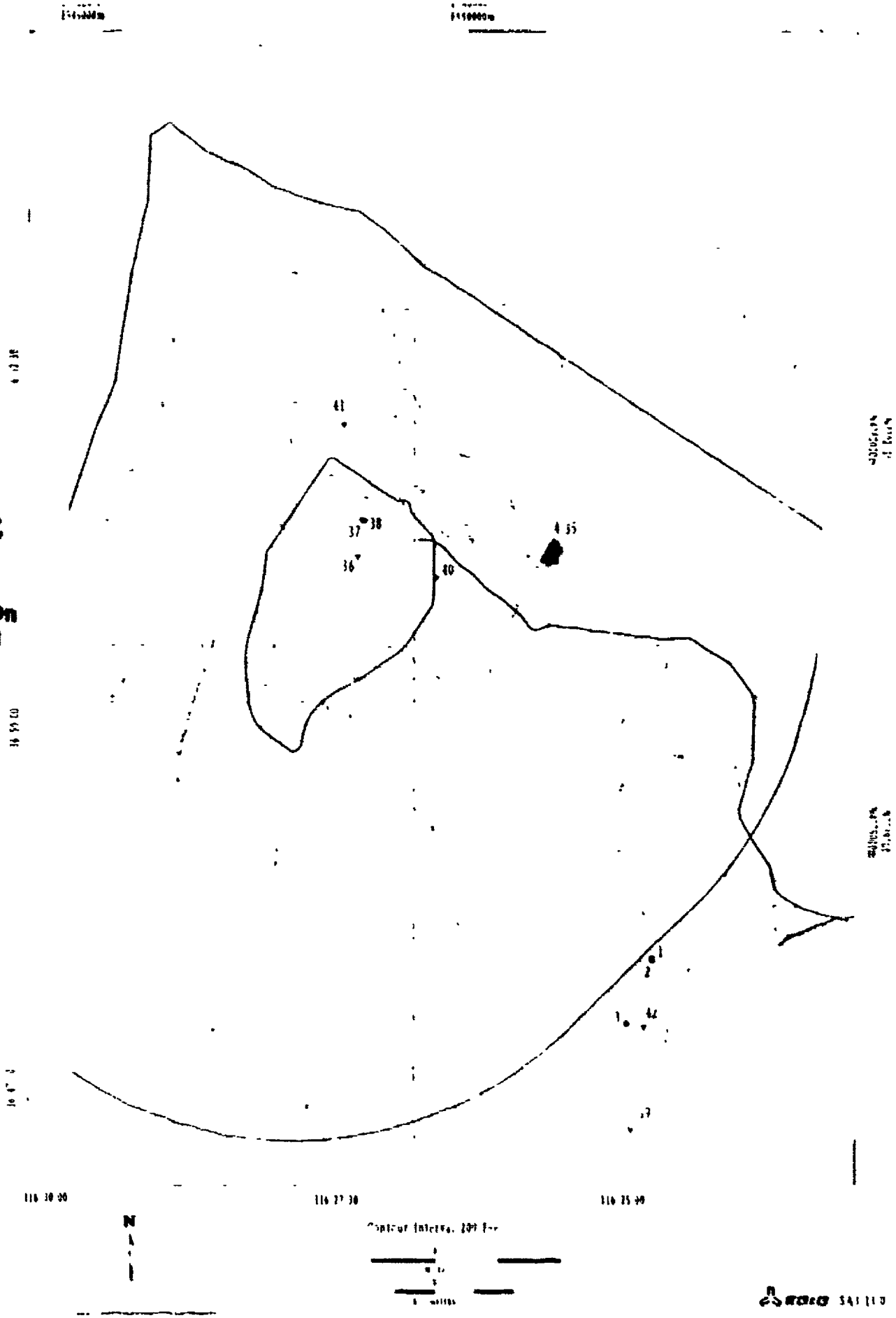
EXISTING PITS AND GEOLOGIC PAVEMENTS
SA3-13.0

● EXISTING PITS

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	ELEVATION	SOURCE
1	TEST PIT #1	36°48'21"N	116°24'44"W	3415	Holmes & Narver 1987c
2	TEST PIT #2	36°48'22"N	116°24'44"W	3413	Holmes & Narver 1987c
3	TEST PIT #3	36°47'55"N	116°24'58"W	3371	Holmes & Narver 1987c
4	NRSF TP 1	36°51'07"N	116°25'41"W	3729	RSN, 1992b
5	NRSF TP 2	36°51'09"N	116°25'40"W	3722	RSN, 1992b
6	NRSF TP 3	36°51'09"N	116°25'40"W	— —	RSN, 1992b
7	NRSF TP-4	36°51'09"N	116°25'39"W	3702	RSN 1992b
8	NRSF TP 5	36°51'10"N	116°25'39"W	3708	RSN 1992b
9	NRSF-TP-6	36°51'11"N	116°25'39"W	3703	RSN 1992b
10	NRSF TP 7	36°51'10"N	116°25'38"W	3690	RSN 1992b
11	NRSF TP 8	36°51'11"N	116°25'38"W	3689	RSN 1992b
12	NRSF TP 9	36°51'11"N	116°25'38"W	3700	RSN, 1992b
13	NRSF TP-10	36°51'12"N	116°25'38"W	3694	RSN, 1992b
14	NRSF-TP-11	36°51'12"N	116°25'36"W	3682	RSN 1992b
15	NRSF-TP-13	36°51'13"N	116°25'37"W	—	RSN 1992b
16	NRSF TP-14	36°51'12"N	116°25'36"W	3680	RSN, 1992b
17	NRSF-TP 15	36°51'14"N	116°25'36"W	—	RSN, 1992b
18	NRSF TP-16	36°51'13"N	116°25'35"W	3676	RSN 1992b
19	NRSF TP 17	36°51'15"N	116°25'35"W	—	RSN, 1992b
20	NRSF TP 18	36°51'14"N	116°25'34"W	—	RSN, 1992b
21	NRSF TP 19	36°51'12"N	116°25'32"W	3665	RSN, 1992b
22	NRSF TP 20	36°51'11"N	116°25'33"W	3665	RSN, 1992b
23	NRSF-TP 21	36°51'11"N	116°25'35"W	3671	RSN, 1992b
24	NRSF TP-22	36°51'11"N	116°25'35"W	3672	RSN, 1992b
25	NRSF TP 23	36°51'10"N	116°25'34"W	3668	RSN, 1992b
26	NRSF TP 24	36°51'08"N	116°25'35"W	3669	RSN, 1992b
27	NRSF TP 25	36°51'07"N	116°25'34"W	3659	RSN 1992b
28	NRSF TP 26	36°51'09"N	116°25'36"W	—	RSN, 1992b
29	NRSF TP 27	36°51'08"N	116°25'36"W	3670	RSN, 1992b
30	NRSF TP 27a	36°51'08"N	116°25'35"W	3664	RSN, 1992b
31	NRSF TP 28	36°51'08"N	116°25'35"W	3664	RSN, 1992b
32	NRSF TP 29	36°51'07"N	116°25'36"W	3669	RSN 1992b
33	NRSF TP 30	36°51'07"N	116°25'37"W	3673	RSN, 1992b
34	NRSF TP 31	36°51'06"N	116°25'38"W	—	RSN, 1992b
35	NRSF TP 32	36°51'06"N	116°25'38"W	—	RSN 1992b

▼ EXISTING PAVEMENTS - SOURCE: Barton, 1992

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE
36	Pavement 100	36°51'09"N	116°27'16"W
37	Pavement 200	36°51'24"N	116°27'14"W
38	Pavement 300	36°51'24"N	116°27'13"W
39	Pavement 400	36°47'11"N	116°24'56"W
40	Pavement 500	36°51'00"N	116°26'36"W
41	Pavement 600	36°52'04"N	116°27'24"W
42	Pavement 1000	36°47'53"N	116°24'49"W



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PROPOSED PITS

SA3-14.0

- PROPOSED PITS

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
1	MWV P1	36°51'08"N	116°25'28"W	USGS 1991b
2	MWV P2	36°51 05"N	116°25 16"W	USGS 1991b
3	MWV P3	36°50 57"N	116°25 31"W	USGS 1991b
4	MWV P4	36°50 55"N	116°25 27"W	USGS 1991b
5	MWV P5	36°51 07"N	116°25 01"W	USGS 1991b
6	MWV P6	36°51 00"N	116°24 56"W	USGS 1991b
7	MWV-P7	36°50 38"N	116°25 39"W	USGS 1991b
8	MWV P8	36°50 37"N	116°25 22"W	USGS 1991b
9	MWV P9	36°50 39"N	116°25'02"W	USGS 1991b
10	MWV P10	36°50'30"N	116°25'06"W	USGS, 1991b
11	MWV P11	36°50'28"N	116°25 04"W	USGS 1991b
12	MWV-P12	36°50 22"N	116°25 35"W	USGS 1991b
13	MWV P13	36°51 09"N	116°24'33"W	USGS, 1991b
14	MWV-P14	36°51 08"N	116°24 38"W	USGS 1991b
15	MWV P15	36°50 50"N	116°24 40"W	USGS 1991b
16	MWV-P16	36°50 08"N	116°25 27"W	USGS 1991b
17	MWV P17	36°50 09"N	116°25 25"W	USGS 1991b
18	MWV P18	36°50 13"N	116°25 03"W	USGS, 1991b
19	MWV P19	36°49 55"N	116°25 27"W	USGS 1991b
20	MWV P20	36°49 54"N	116°25 24"W	USGS 1991b
21	MWV P21	36°49 51"N	116°25'21"W	USGS 1991b
22	MWV P22	36°52 02"N	116°25 30"W	USGS 1991b
23	MWV-P23	36°52'01"N	116°25'24"W	USGS 1991b
24	MWV P24	36°51 33"N	116°25 25"W	USGS 1991b
25	MWV P25	36°51 40"N	116°24 45"W	USGS 1991b
26	MWV P26	36°51 41"N	116°24'43"W	USGS 1991b
27	GSF TP 1	36°51 15"N	116°25 28"W	USBR 1992
28	GSF TP 2	36°51 11"N	116°25'25"W	USBR 1992
29	GSF TP 3	36°51 06"N	116°25 25"W	USBR 1992
30	GSF TP 4	36°51 01"N	116°25 28"W	USBR 1992
31	GSF TP 5	36°50 55"N	116°25'27"W	USBR 1992
32	GSF TP 6	36°50 51"N	116°25 28"W	USBR, 1992
33	GSF TP 7	36°50 46"N	116°25 30"W	USBR 1992
34	GSF TP 8	36°50 40"N	116°25 32"W	USBR 1992
35	GSF TP 9	36°50 40"N	116°25'38"W	USBR 1992
36	GSF TP 10	36°50 39"N	116°25 45"W	USBR 1992
37	GSF TP 11	36°50 42"N	116°25 51"W	USBR, 1992
38	GSF TP 12	36°50 46"N	116°25 55"W	USBR 1992
39	GSF TP 13	36°50 50"N	116°26 00"W	USBR 1992
40	GSF TP 14	36°50 52"N	116°26 05"W	USBR, 1992
41	GSF TP 15	36°50 55"N	116°26'12"W	USBR 1992
42	GSF TP 16	36°50 41"N	116°25 58"W	USBR 1992
43	GSF TP 17	36°50 36"N	116°26 00"W	USBR 1992
44	GSF TP 18	36°50 35"N	116°26 02"W	USBR, 1992
45	GSF TP 19	36°50'34"N	116°26'08"W	USBR 1992
46	GSF TP 20	36°50 36"N	116°26 14"W	USBR 1992
47	GSF TP 21	36°50 37"N	116°26 20"W	USBR 1992
48	GSF TP 22	36°50 40"N	116°26 26"W	USBR 1992
49	GSF TP 23	36°50'42"N	116°26'31"W	USBR, 1992
50	GSF TP 24	36°50 39"N	116°26 35"W	USBR, 1992
51	GSF TP 25	36°50 27"N	116°26 05"W	USBR 1992
52	GSF TP 26	36°50 22"N	116°26 07"W	USBR 1992
53	GSF TP 27	36°50 18"N	116°26'10"W	USBR 1992
54	GSF TP 28	36°50'13"N	116°26 12"W	USBR, 1992
55	GSF TP 29	36°50 19"N	116°26 08"W	USBR 1992
56	GSF TP 30	36°50'04"N	116°26'07"W	USBR 1992
57	GSF TP 31	36°49 53"N	116°26 04"W	USBR 1992
58	GSF TP 32	36 50 12"N	116°26 19"W	USBR 1992
59	GSF TP 33	36 50 13"N	116°26 25"W	USBR 1992
60	GSF TP 34	36 50 08"N	116°26 15"W	USBR 1992
61	GSF TP 35	36°50 04"N	116°26 16"W	USBR 1992
62	GSF TP 36	36 50 51"N	116°25 55"W	USBR 1992
63	GSF TP 37	36°50 56"N	116°25 55"W	USBR 1992
64	GSF TP 38	36°51 02"N	116 25 55"W	USBR 1992
65	GSF TP 39	36°51 05"N	116°25 50"W	USBR 1992
66	PSF TP 1	36 51 21"N	116 25 30"W	USBR 1992
67	PSF TP 2	36°51 29 N	116°25 18"W	USBR 1992
68	PSF TP 3	36 49 34"N	116°26 16"W	USBR 1992
69	PSF TP 4	36 49 34 N	116 26 15"W	USBR 1992

Note The locations of test pits MSF-TP-1 through MSF TP 9 have not been determined at this time
Source USBR 1992

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SECTION 4

ECOLOGY

ENVIRONMENTAL SAMPLING LOCATIONS

SA4-1.0

■ ECOLOGICAL STUDY PLOTS (Shown in green)

Map Designator	Activity ID
1	LG2C
2	LG5C
3	LG1C
4	LG6T
5	LA6C
6	LA7T
[illegible]	LLG7C
8	LG9C
9	LG4C
10	LG3C
11	LLG3C
12	LLG5C
13	LLG4C
14	LG4T
15	LG7T
16	LLG4T
17	LG6T
18	LG3T
19	COL5T
20	LG2T
21	LG6C
22	LLG1T
23	LLG5T
24	LLG7T
25	LLG2T
26	LLG8C
27	COL3T
28	COL1T
29	COL2T
30	COL6T
31	LLG6T
32	COL3C
33	LA3T
34	LA5T
35	LA7C
36	LA4T
37	LA1T
38	LA2T
39	LA5C
40	LA2C
41	LA4C
42	LA3C
43	COL6C
44	COL5C
45	COL4T
46	COL1C
47	COL2C
48	COL4C

■ RADIOLOGICAL MONITORING PLOTS (Shown in green)

Map Designator	Activity ID
49	NF2
50	NF2
51	NF2
52	NF5
53	NF69
54	NF14
55	NF14
56	NF37
57	NF59
58	NF12
59	FF58

◆ DEER FORAGE AREAS (Shown in blue)

Map Designator	Activity ID
60	NF81
61	NF45
62	NF85
63	NF82
64	NF68
65	NF39
66	NF40
67	NF33
68	NF38
69	NF26
70	NF32
71	NF57
72	NF31
73	NF79
74	NF78
75	NF28
76	NF72
77	NF24
78	NF73
79	NF74
80	NF75
81	NF76
82	NF20
83	NF77
84	NF27
85	NF80
86	NF85
87	NF84
88	NF70
89	NF34
90	NF71
91	NF25
92	NF35

■ PREDATOR SURVEY ROUTES (Shown in red)

Map Designator	Activity ID
93	PSR1-1
94	PSR1-2
95	PSR2-1
96	PSR2-2
97	PSR3-1
98	PSR3-2

■ RECLAMATION TRIAL PLOTS (Shown in black)

Map Designator	Activity ID
99	Reclamation Site #1
100	Reclamation Site #2
101	Reclamation Site #3
102	Reclamation Site #4
103	Reclamation Site #5

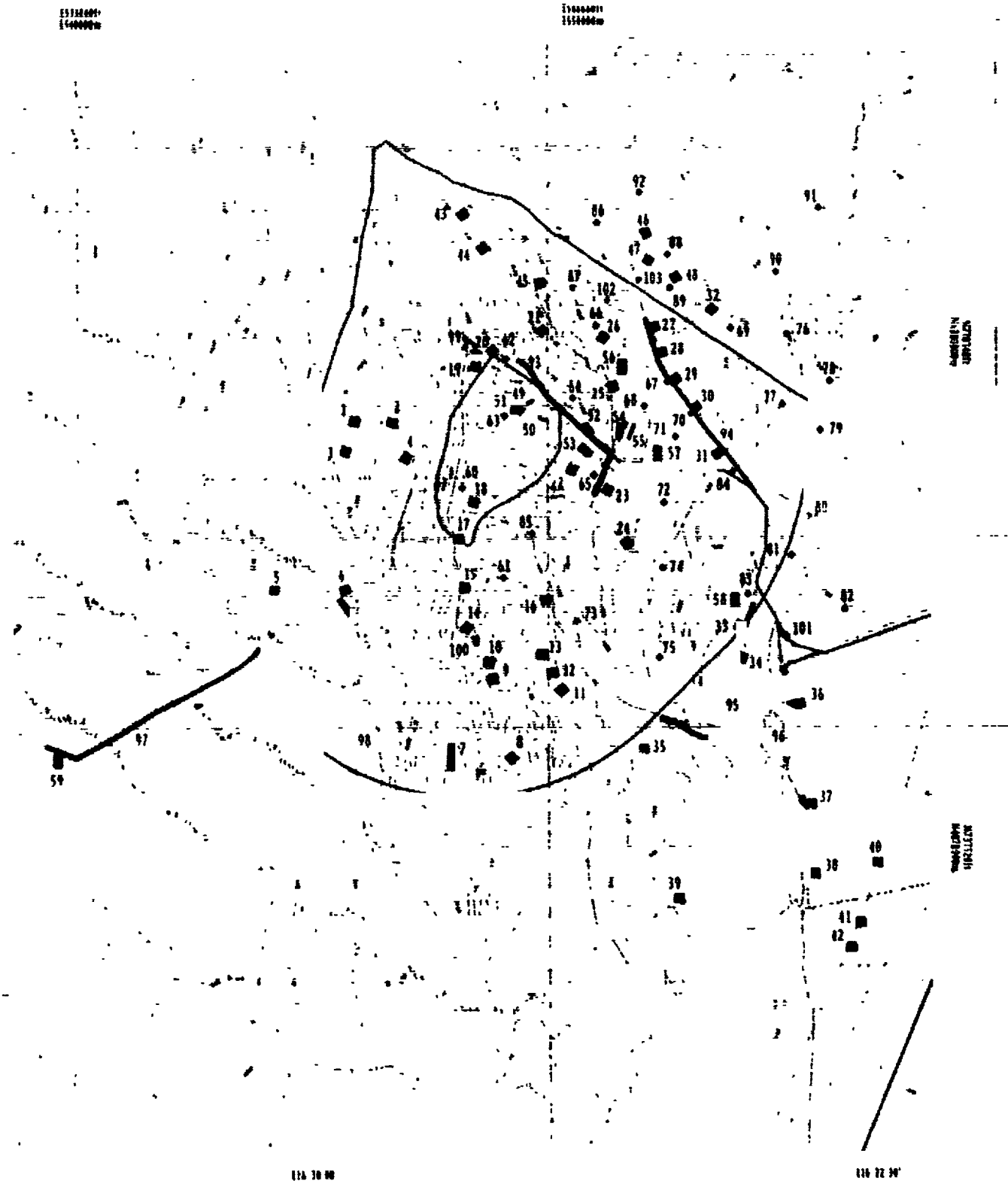
Source: U.S. Department of Energy. 1991b. *Yucca Mountain Site Characterization Project Environmental Field Activity Plan for Terrestrial Ecosystems, YMP/91-41 Draft Report.* Data for placement of environmental sampling locations were digitized from U.S. Geological Survey 1:24,000 scale topographic quadrangle maps provided by EG&G Energy Measurements, Inc. Environmental Sciences Department. Topographic quadrangles covered include the following:

Busted Butte NV, Photo revised 1983

Topopah Spring NW NV 1961

Crater Flat NV, 1986 Provisional

Reclamation trial plots were photointerpreted and independently photo verified in stereo from 1:12,000 scale (March 1990) color infrared photography. They were mapped onto 1:6000 scale orthophotographs and digitized. Locations were verified by EG&G Energy Measurements, Inc., Environmental Sciences Department.



Contour Interval 200 Feet

MAJOR VEGETATION ASSOCIATIONS
SA4-2.0

LEGEND

VEGETATION ASSOCIATION GROUP

- *Larrea-Ambrosia* (Shown in brown)
- *Larrea-Lycium-Gravia* (Shown in brown)
- *Larrea-Lycium* (Shown in green)
- *Coleogyne* (Shown in green)

SPECIES NAME	COMMON NAME
Larrea	Creosote Bush
Ambrosia	Bursage
Lycium	Wolfberry
Gravia	Hopsage
Coleogyne	Blackbrush

Source O'Farrell, T P and E Collins 1984 *1983 Biotic Studies of Yucca Mountain, Nevada Test Site, Nye County, Nevada* U S Department of Energy Topical Report, EG&G/EM Santa Barbara Operations Report Number 10282-2031, 48p

O'Farrell, T P and E Collins 1983 *1982 Biotic Studies of Yucca Mountain, Nevada Test Site, Nye County, Nevada* U.S Department of Energy Topical Report, EG&G/EM Santa Barbara Operations Report Number 108282-2004, 45p

Ostler, K. 1991. Update to Major Vegetation Associations Map (Grassland Burns no longer applicable). Personal communication

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TORTOISE SIGN
1981-1984 AND 1989, 1991
SA4-3.0

LEGEND

◆ Tortoise sign

Note Tortoise sign includes live tortoises, tortoise carcasses, tortoise burrows, tortoise scat, and tortoise eggs.

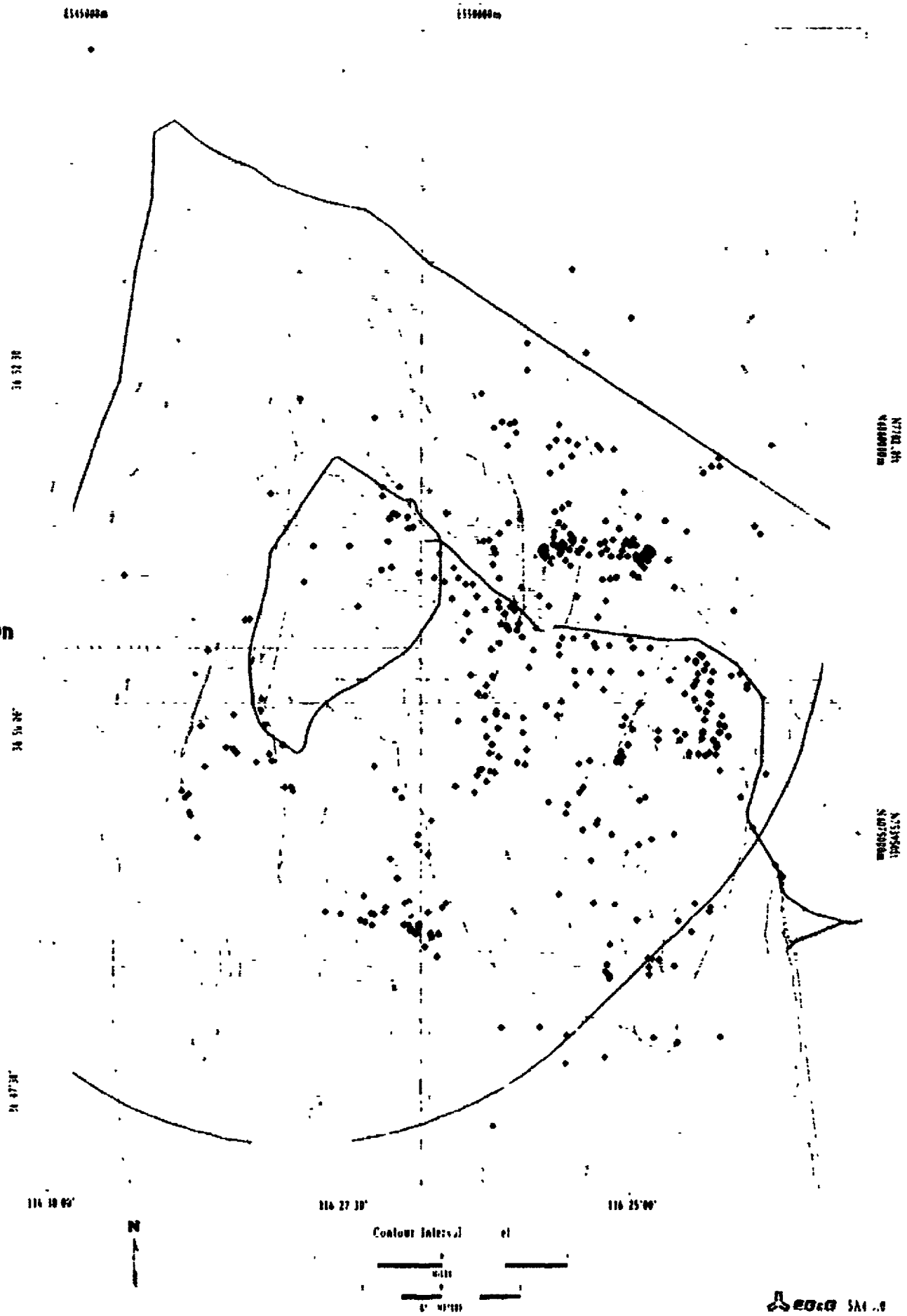
Source Collins, E and T.P. O'Farrell. 1985 *1984 Biotic Survey of Yucca Mountain, Nevada Test Site, Nye County, Nevada.* U.S Department of Energy Topical Report, EG&G/EM Santa Barbara Operations Topical Report Number 1183 2057, 45p

O'Farrell, T.P. and E Collins. 1984. *1983 Biotic Studies of Yucca Mountain, Nevada Test Site, Nye County, Nevada* U S Department of Energy Topical Report, EG&G/EM Santa Barbara Operations Report Number 10282-2031, 46p

O'Farrell, T.P. and E Collins. 1983 *1982 Biotic Survey of Yucca Mountain, Nevada Test Site, Nye County, Nevada.* U.S Department of Energy Topical Report, EG&G/EM Santa Barbara Operations Report Number 10282-2004, 45p

EG&G Energy Measurements, Inc 1989 *Tortoise Sign Location Map.* Environmental Sciences Department, EG&G/EM-NTS-ESS-MAP 160

EG&G Energy Measurements, Inc 1991 *Yucca Mountain Biological Resources Monitoring Program – Annual Report FY 91* EG&G/EM Environmental Sciences Department, EGG-10617-2127, UC-814, 68p



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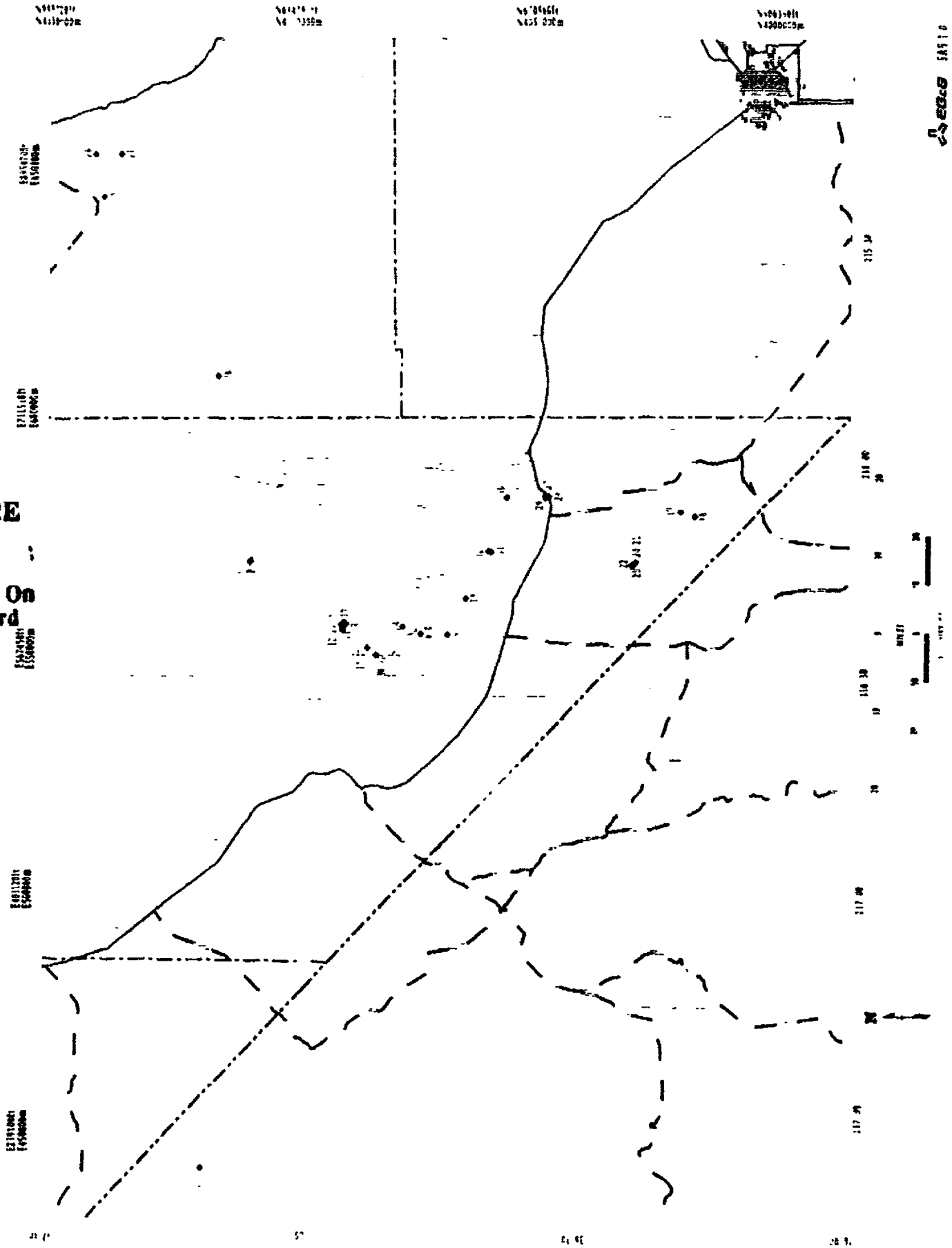
SECTION 5

HYDROLOGY

PALEOCLIMATE SURVEYS
SA5-1.0

◆ FOSSIL WOODRAT MIDDEN

MAP DESIGNATOR	LOCALITY	LATITUDE	LONGITUDE	GROUND ELEVATION (M)	SOURCE
1	Crankshaft Jct. CA	37°12'00"N	117°39'00"W	1500	Wigand, 1991
2	Eleana Range 2	37°07'18"N	116°14'03"W	1810	Spaulding 1983
3	Eleana Range 3	37°07'15"N	116°13'49"W	1800	Spaulding 1983
4	Fortymile Canyon 1	36°50'00"N	116°23'00"W	1050	Spaulding (in press)
5	Fortymile Canyon 2	36°50'00"N	116°23'00"W	1050	Spaulding (in press)
6	Fortymile Canyon 3	36°48'00"N	116°24'00"W	1010	Spaulding (in press)
7	Fortymile Canyon 4	36°48'00"N	116°24'00"W	1000	Spaulding (in press)
8	Fortymile Canyon 5	36°48'00"N	116°24'00"W	995	Spaulding (in press)
9	Fortymile Canyon 6	36°45'00"N	116°24'00"W	925	Spaulding (in press)
10	Fortymile Canyon 7	36°56'42"N	116°22'21"W	1250	Spaulding (in press)
11	Fortymile Canyon 8	36°56'49"N	116°22'46"W	1240	Spaulding (in press)
12	Fortymile Canyon 9	36°56'49"N	116°23'01"W	1280	Spaulding (in press)
13	Fortymile Canyon 10	36°56'57"N	116°22'38"W	1230	Spaulding (in press)
14	Fortymile Canyon 11	36°56'49"N	116°23'27"W	1310	Spaulding (in press)
15	Fortymile Canyon 12	36°56'26"N	116°22'35"W	1240	Spaulding (in press)
16	Hancock Summit	37°24'00"N	115°23'00"W	1600	Wigand, 1991
17	Last Chance Range 1	36°19'00"N	116°07'00"W	1005	Wigand, 1991
18	Last Chance Range 2	36°17'25"N	116°07'40"W	960	Spaulding, 1983
19	Little Skull Mtn	36°43'00"N	116°19'00"W	1250	Wigand 1991
20	Owl Canyon	36°24'00"N	116°14'00"W	800	Wigand, 1991
21	Owl Canyon 1	36°24'00"N	116°14'00"W	790	Spaulding, 1983
22	Owl Canyon 2	36°24'27"N	116°14'23"W	800	Spaulding, 1983
23	Owl Canyon 3	36°24'18"N	116°14'29"W	790	Spaulding, 1983
24	Pahranagat Range 1	37°25'00"N	115°17'00"W	1900	Wigand 1991
25	Pahranagat Range 2	37°22'00"N	115°17'00"W	1790	Wigand, 1991
26	Pahranagat Wash	37°11'00"N	115°48'00"W	950	Wigand, 1991
27	Point of Rocks 1	36°34'13"N	116°04'45"W	900	Spaulding, 1983
28	Point of Rocks 2	36°33'48"N	116°04'55"W	930	Spaulding, 1983
29	Point of Rocks 3	36°34'10"N	116°05'10"W	910	Spaulding, 1983
30	Specter Range 1	36°38'31"N	116°05'00"W	1040	Spaulding, 1983
31	Specter Range 2	36°40'16"N	116°12'30"W	1190	Spaulding, 1983
32	Specter Range 3	36°40'35"N	116°12'28"W	1100	Spaulding, 1983
33	Yucca Wash 1	36°54'00"N	116°26'00"W	1330	Spaulding (in press)
34	Yucca Wash 2	36°54'00"N	116°26'00"W	1340	Spaulding (in press)
35	Yucca Wash 3	36°54'01"N	116°26'00"W	1350	Spaulding (in press)
36	Yucca Wash 4	36°53'00"N	116°27'00"W	1385	Spaulding (in press)
37	Yucca Wash 5	36°53'00"N	116°27'00"W	1385	Spaulding (in press)



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TEMPERATURE/PRECIPITATION STATIONS AND GROUND WATER GEOCHEMISTRY STATIONS

SA5-2 0

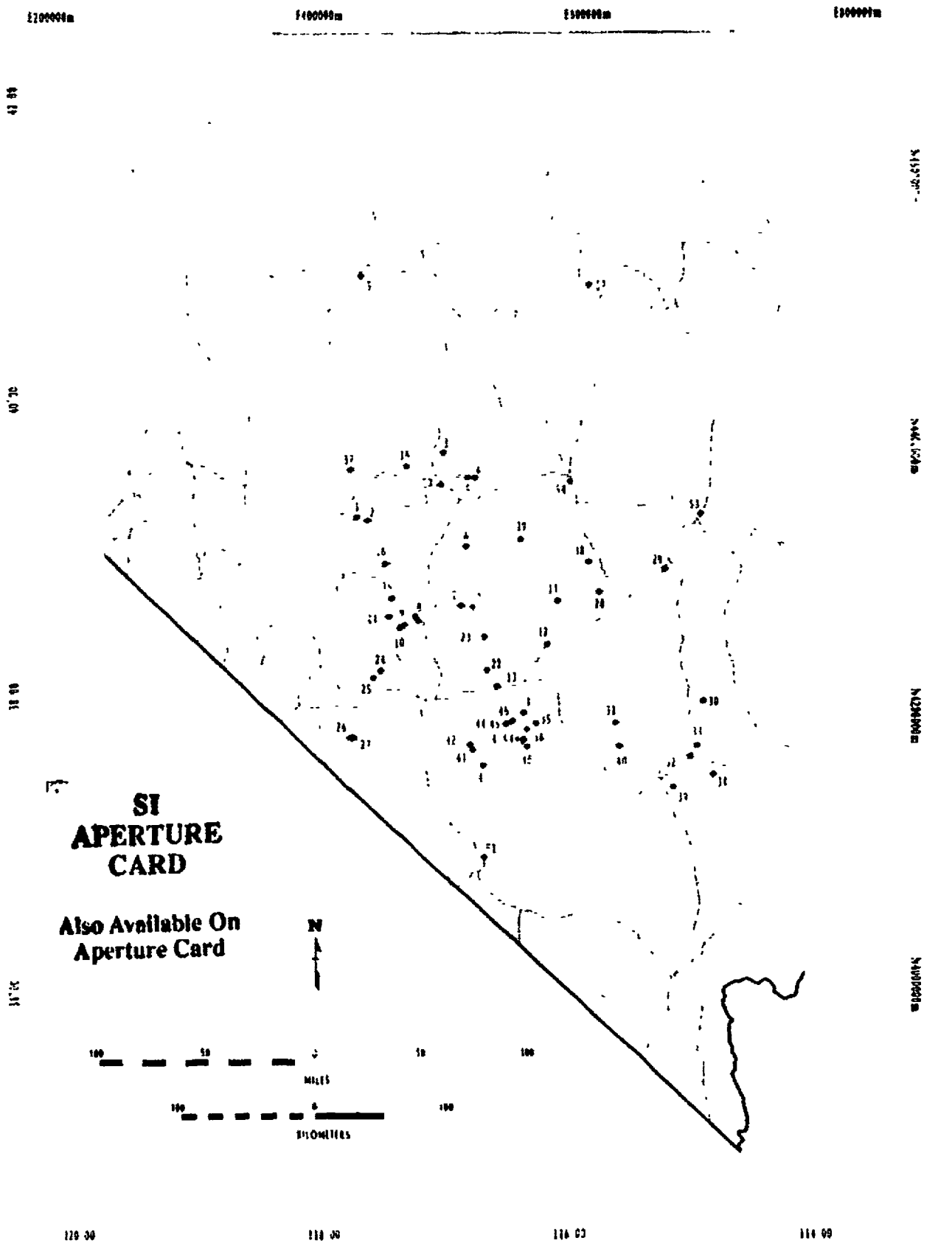
● EXISTING GROUND WATER GEOCHEMISTRY STATIONS – SOURCE Raker & Jacobson, 1987

MAP DESIGNATOR	LOCALITY	LATITUDE	LONGITUDE	GROUND ELEVATION (M)
1	Park Canyon Spring	39°16'53"N	117°48'20"W	1740
2	Carrol Summit Spring	39°15'39"N	117°42'49"W	2176
3	China Spring	39°43'03"N	117°03'58"W	1871
4	Indian Ranch Spring	39°32'48"N	116°47'42"W	2346
5	Rye Patch Spring	39°32'54"N	116°51'47"W	1932
6	Willow Canyon Spring	39°05 18"N	116°52'18"W	2103
7	Upper Peavine Canyon Spring	38°35'11"N	117°16'45"W	1853
8	Peavine Campground Spring	38°37'03"N	117°18'11"W	1914
9	Cottonwood Creek Spring	38°33 33"N	117°23'57"W	1901
10	Barrel Spring	38°32 17"N	117°25'59"W	1877
11	Squaw Wells Spring	38°43'12"N	116°04'57"W	2097
12	Iceberg Spring	38°25'39"N	116°10'19"W	1804
13	Black Spring	38°09'09"N	116°36'04"W	1804
14	Stevens Spring	38°36'51"N	117°31'27"W	1898
15	Lower Cripple Spring	38°44'11"N	117°30'15"W	2109
16	Ione Spring	38°58'12"N	117°33'29"W	2205
17	War Canyon Spring	39°36'06"N	117°51'47"W	2186
18	Indian Spring I	39°37'18"N	117°23'25"W	2066
19	Martin Ranch Spring	39°07'54"N	116°24'00"W	2243
20	Corcoran Canyon Spring	38°40'48"N	116°48'45"W	2225
21	Meadow Canyon Spring	38°41'21"N	116°54'43"W	2423
22	Sidehill Spring	38°15'23"N	116°41'21"W	1874
23	McCann Canyon Spring	38°28'48"N	116°42'49"W	2109
24	Crow Spring	38°14'57"N	117°35 25"W	1591
25	Gilbert Spring	38°12'14"N	117°39'18"W	1850
26	Cave Spring	37°48'06"N	117°50'35"W	1901
27	Rhyolite Ridge Spring	37°47'54"N	117°48'47"W	1987
28	Indian Spring II	38°46'30"N	115°43 18"W	1863
29	Windous Butte Spring	38°55'18"N	115°09'46"W	1859
30	Coyote Spring	38°01'56"N	114°51'42"W	1597
31	White Rock Spring	37 147"N	115°36'10"W	1577
32	Pahroc Spring	37°39'51"N	114°58'48"W	1646
33	Mustang Spring	37°44'09"N	114°55'13"W	1682
34	Grassy Spring	37°32'27"N	114°47'26"W	1752
35	Cedar Spring	37°54'06"N	116°16'23"W	1767
36	Georges Water Spring	37°51'36"N	116°21'00"W	2026
37	Eden Creek Ranch Spring	7°58'12"N	116°22'48"W	1828
38	Young Mono Spring	38°58'45"N	115°48 43"W	1901
39	Hells Acres Gulch Spring	37°27'36"N	115°07 .0"W	1322
40	The Seeps Spring	37°44'24"N	115°34'30"W	1640
41	Cactus Spring	37°43'15"N	116°48'55"W	1914
42	Horse Trough Spring	37°45 30"N	116°50'17"W	15.9
43	Antelope Spring	37°37'09"N	116°43'33"W	1889
44	Stinking Spring	37°53'41"N	116°31'36"W	1987
45	Stinking Seep Spring	37°53 41"N	116°31'36"W	1987
46	Breen Creek @ Ranch Spring	37°54 53"N	116°28'34"W	2097
47	Corral Spring	37°47'08"N	116°22'50"W	2036
48	Rose Spring	37°44'37"N	116°21'00"W	2072
49	Powder River Spring	37°47'26"N	116°23'06"W	2023

◆ EXISTING TEMPERATURE/PRECIPITATION STATIONS – SOURCE Spaulding, 1983

MAP DESIGNATOR	LOCALITY	LATITUDE	LONGITUDE	GROUND ELEVATION (M)
50	Austin	39 30'00 N	117°05'00"W	2014
51	Beatty	37 \0'00"N	116°43 00"W	1082
52	Elko	40°50'00"N	115°47'00"W	1547
53	Ely	39°17'00"N	114 51'00"W	1906
54	Eureka	39°31'00"N	115°58'00"W	1994
55	Winnemucca	40°54'00"N	117°48'00"W	1311

Note Shaded area is shown enlarged in Map SA5 3 0 for geochemistry stations



EG&G SAS 2 0

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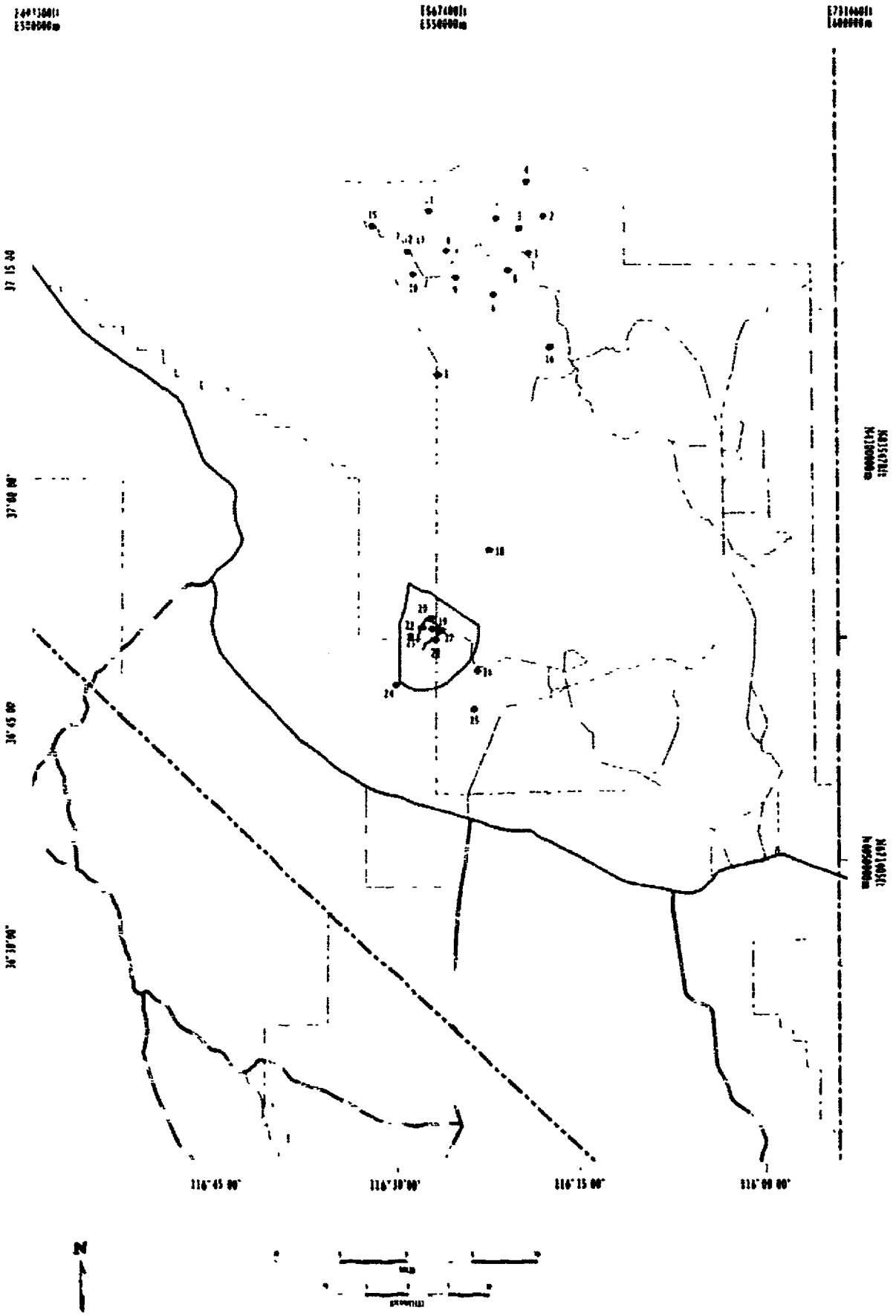
GROUND WATER GEOCHEMISTRY STATIONS IN THE NEVADA TEST SITE AREA

SA5-3.0

- EXISTING GROUND WATER GEOCHEMISTRY STATIONS – SOURCE Raker & Jacobson, 1987

MAP DESIGNATOR	LOCALITY	LATITUDE	LONGITUDE	GROUND ELEVATION (M)
1	Ue18r	37°08'06"N	116°26'42"W	1688
2	Ue19b#1	37°18'35"N	116°17'55"W	2073
3	Ue19c	37°16'06"N	116°19'09"W	2144
4	Ue19d	37°20'50"N	116°19'21"W	2091
5	Ue19e	37°17'47"N	116°19'59"W	2109
6	Ue19fs	37°13'25"N	116°22'05"W	2053
7	Ue19gs	37°18'28"N	116°21'51"W	2048
8	Ue19t	37°15'00"N	116°20'51"W	2065
9	U20a#2	37°14'32"N	116°25'14"W	1973
10	Ue20d	37°14'47"N	116°28'45"W	1906
11	Ue20e#1	37°18'56"N	116°27'24"W	1919
12	Ue20f	37°16'13"N	116°29'15"W	1864
13	U20f	37°16'13"N	116°29'15"W	1864
14	Ue20h	37°16'16"N	116°26'01"W	1999
15	Ue20j	37°17'56"N	116°32'03"W	1798
16	Test Well 8	37°09'54"N	116°17'22"W	1736
17	Ue-25b #1	36°51'08"N	116°26'22"W	1200
18	Ue 29a #2	36°56'29"N	116°22'25"W	1215
19	USW G 4	36°51'14"N	116°27'04"W	1270
20	USW H-1	36°51'58"N	116°27'11"W	1303
21	USW H-4	36°50'32"N	116°26'53"W	1249
22	USW H 5	36°51'22"N	116°27'55"W	1479
23	USW H-6	36°50'49"N	116°28'55"W	1305
24	USW VH 1	36°47'32"N	116°30'07"W	963
25	J 12	36°45'53"N	116°23'42"W	953
26	J 13	36°48'26"N	116°23'23"W	1011



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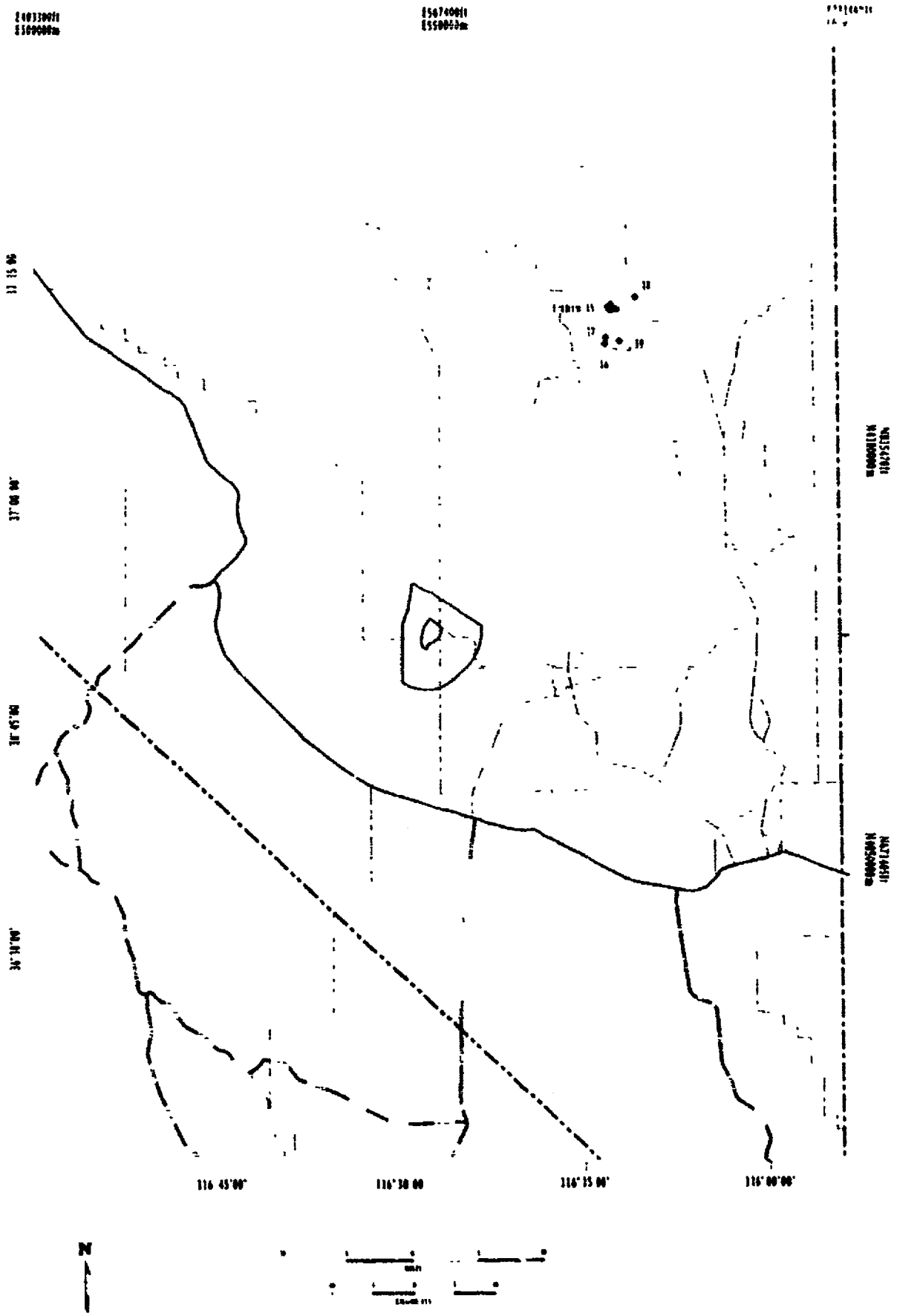
GROUNDWATER RECHARGE MONITORING STATIONS
SA5-4.0

◆ EXISTING MONITORING STATIONS

MAP DESIGNATOR	ACTIVITY	LATITUDE	LONGITUDE	SOURCE
1	Lysimeter 1	37°12'21"N	116°12'13"W	U.S. DOE, 1988d
2	Lysimeter 2	37°12'21"N	116°12'13"W	U.S. DOE, 1988d
3	Lysimeter 3	37°12'23"N	116°12'17"W	U.S. DOE, 1988d
4	Lysimeter 4	37°12'23"N	116°12'17"W	U.S. DOE, 1988d
5	Lysimeter 5	37°12'14"N	116°12'24"W	U.S. DOE, 1988d
6	Lysimeter 6	37°12'21"N	116°12'21"W	Henne, 1982
7	Lysimeter 7	37°12'19"N	116°12'21"W	Henne, 1982
8	Lysimeter 8	37°12'27"N	116°12'27"W	Henne, 1982
9	Seep 2	37°12'16"N	116°12'06"W	U.S. DOE, 1988d
10	Seep 3	37°12'28"N	116°12'31"W	U.S. DOE, 1988d
11	Seep 4	37°12'34"N	116°12'17"W	U.S. DOE, 1988d
12	U12N 03	37°12'35"N	116°12'18"W	Russell, 1992
13	U12N 05	37°12'28"N	116°12'31"W	Russell, 1992
14	U12N	37°12'15"N	116°11'62"W	Russell, 1992
15	SM1	37°12'14"N	116°12'11"W	U.S. DOE, 1988d
16	Lysimeter 9	37°10'00"N	116°12'47"W	Henne, 1982
17	Lysimeter 10	37°10'25"N	116°12'43"W	Henne, 1982
18	Seep 1	37°13'04"N	116°10'19"W	U.S. DOE, 1988d
19	G Tunnel	37°10'10"N	116°11'39"W	U.S. DOE, 1990b



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REGIONAL WATER-LEVEL AND SPRING-DISCHARGE MONITORING SITES

SA5-5.0

◆ EXISTING REGIONAL WATER-LEVEL MONITORING SITES

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
1	CF1	36°55'20"N	116°37'03"W	U S DOE 1991a
2	CF2	36°47'32"N	116°33'07"W	U S DOE, 1991a
3	CF3	36°54 45"N	116°38'35"W	Gibson, 1991
4	JF1	36°51'16"N	116°23'38"W	U S DOE, 1991a
5	JF2	36°49'43"N	116°23'51"W	U S DOE, 1991a
6	JF3	36°45 27"N	116°23'23"W	U S DOE, 1991a
7	J-11	36°47 06"N	116°17'06"W	U S DOE, 1991a
8	J-12	36°45 54"N	116°23 24"W	U S DOE, 1991a
9	J 13	36°48'28"N	116°23 40"W	U S DOE, 1991a
10	[illegible]	36°38'15"N	116°17'59"W	U S DOE, 1991a
11	MV1	36°35 30"N	116°02'14"W	U S DOE, 1991a
12	AD1	36°41'30"N	116°41'12"W	U S DOE, 1991a
13	AD2	36°38 25"N	116°24 33"W	U S DOE, 1991a
14	AD3	36°34'56"N	116°35'25"W	U S DOE 1991a
15	AD4	36°33'10"N	116°29'40"W	U S DOE 1991a
16	AD5	36°34'28"N	116°23'47"W	U S DOE, 1991a
17	AD6	36°34 28"N	116°24'03"W	U S DOE, 1991a
18	AD7	36°32 13"N	116°13'38"W	U S DOE, 1991a
19	AD8	36°29'29"N	116°08'57"W	U S DOE, 1991a
20	AD9	36°30'09"N	116°30'27"W	U S DOE 1991a
21	AD10	36°28'48"N	116°26'46"W	U S DOE, 1991a
22	AD11	36°25'25"N	116°27 43"W	U S DOE, 1991a
23	AM1	36°28'58"N	116°19'53"W	U S DOE, 1991a
24	AM2	36°27'55"N	116°19'04"W	U S DOE, 1991a
25	AM3	36°25 55"N	116°20'53"W	U S DOE, 1991a
26	AM4	36°25'32"N	116°17'27"W	U S DOE, 1991a
27	AM5	36°25 29"N	116°17'11"W	U S DOE, 1991a
28	AM6	36°24'32"N	116°16'56"W	U.S DOE, 1991a
29	AM7	36°24 11"N	116°16 33"W	U S DOE, 1991a
30	AD12	36°22'30"N	116°39'29"W	U S DOE 1991a
31	AD13	36°17'24"N	116°32'42"W	U S DOE, 1991a
32	AD14	36°16 17"N	116°24 47"W	U S DOE, 1991a
33	AD15	36°19 54"N	116°18 12"W	U S DOE, 1991a
34	AD16	36°20'14"N	116°13 39"W	U S DOE, 1991a
35	AD17	36°38'35"N	116°23'47"W	Gibson 1991
36	YM1	36°49 38"N	116°25 21"W	U S DOE, 1991a

● EXISTING SPRING-DISCHARGE MONITORING SITES -- SOURCE: U.S. DOE, 1991a

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE
37	SP1	36°29 26"N	116°20'28"W
38	SP2	36°25'13"N	116°19 27"W
39	SP3	36°22 29"N	116°16'25"W
40	SP4	36°22'52"N	116°42 53"W
41	SP5	36°27 28"N	116°50 11"W

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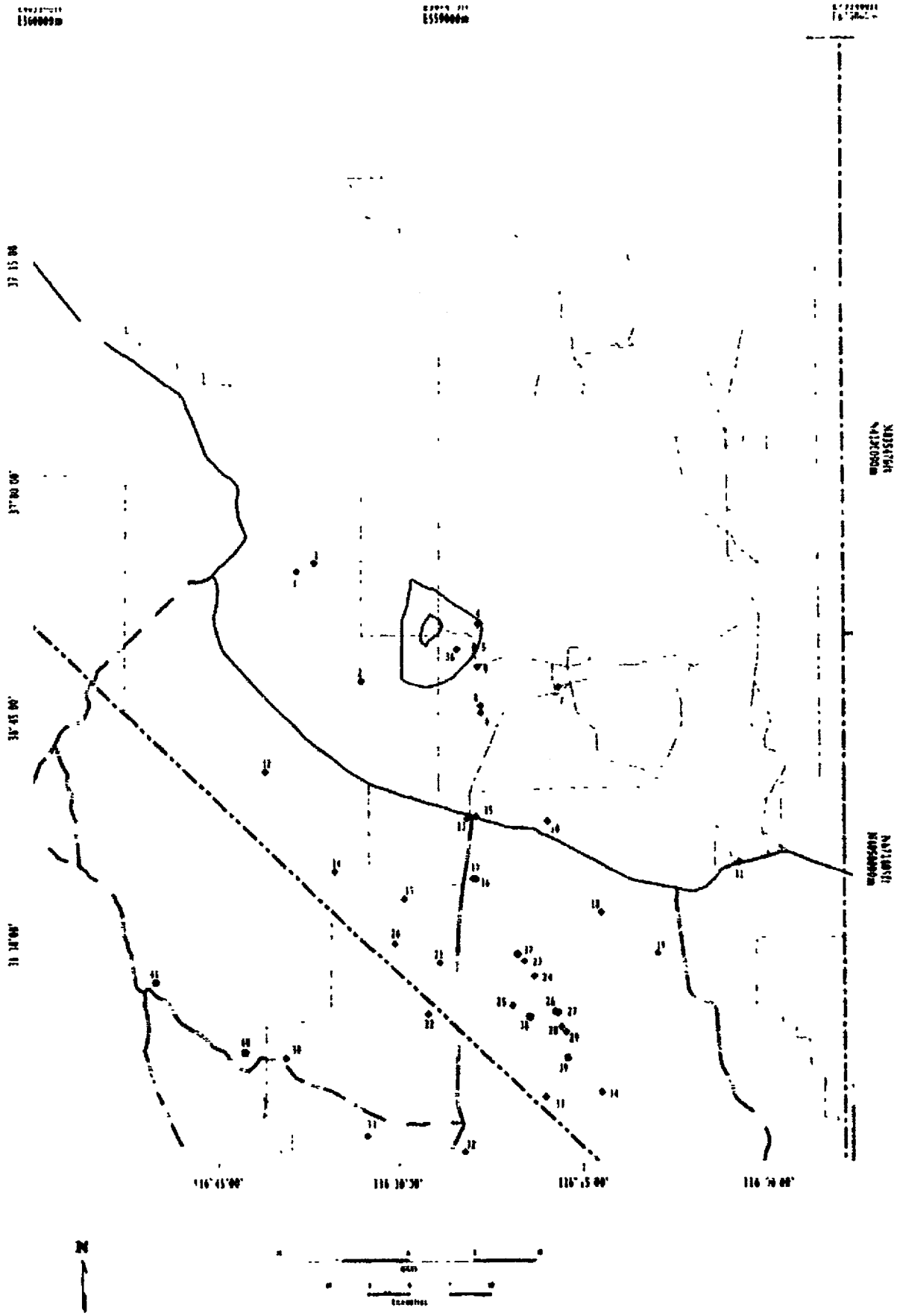

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9210260125-30

REGIONAL PRECIPITATION AND STREAMFLOW MONITORING STATIONS

SA5-6.0

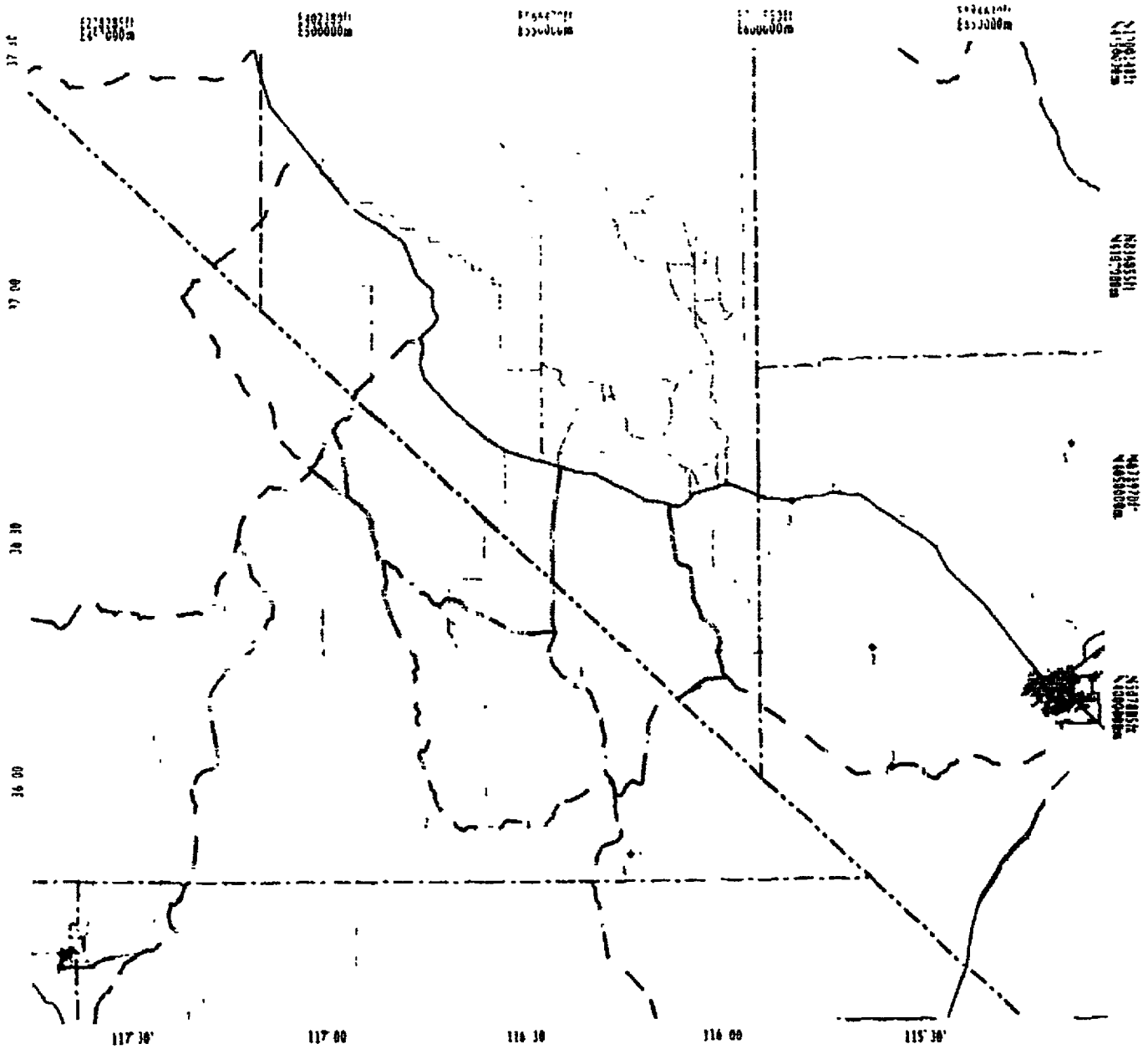
◆ EXISTING STATIONS

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	GROUND ELEVATION (FT)	SOURCE
1	LUCKY	36°01'05"N	115°34'00"W	457[illegible]0	Milne et al., 1987
2	GAIL	36°15'44"N	115°36'44"W	70[illegible]0	Milne et al., 1987
3	102[illegible]8490	36°34'00"N	116°48'40"W	——	Kane (in review)
4	10251300	35°50'55"N	116°13'45"W	——	Johnson 1992
5	KATHY	36°40'15"N	115°05'50"W	6234.0	Milne et al., 1987

◇ PROPOSED STATIONS

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
6	SR 19	36°11'46"N	116°22'05"W	USGS 1990c
7	SR 15	36°56'37"N	116°43'06"W	Johnson, 1992

Note Boxed area is shown enlarged on Map SA5-7.0



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9210260125 -31

NTS PRECIPITATION AND STREAMFLOW MONITORING STATIONS

SA5-7.0

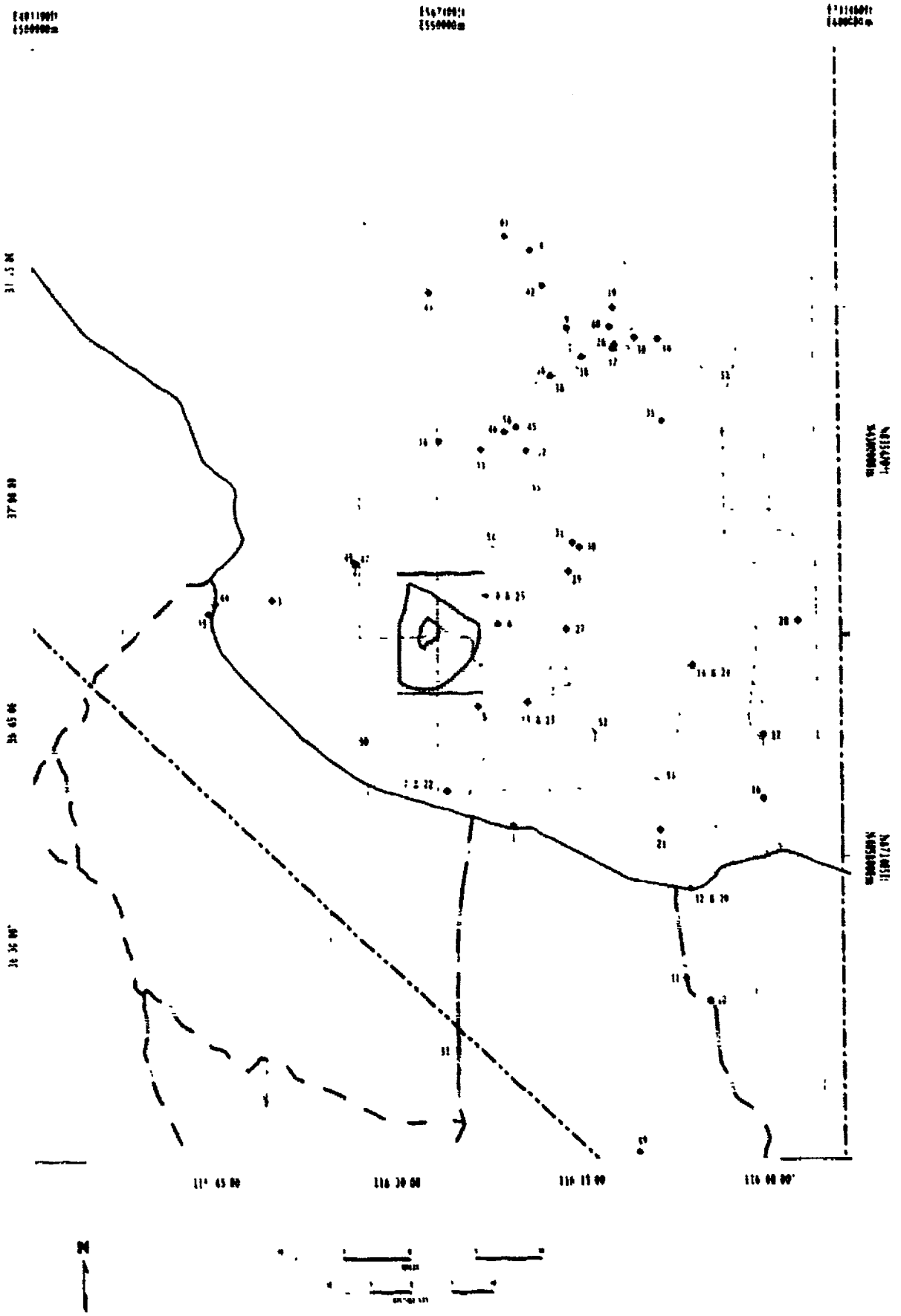
◆ EXISTING STATIONS

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	GROUND ELEVATION (FT)	SOURCE
1	JOANNE	36°37'59"N	116°20'34"W	——	Mine et al., 1987
2	PM53	36°55'26"N	116°33'25"W	——	Cochran 1992
3	JENNIFER	36°53'00"N	116°40'24"W	4675.0	Mine et al., 1987
4	KI	37°16'05"N	116°19'00"W	7038.0	Mine et al. 1987
5	NTS10 40 MILE WASH	36°45'51"N	116°23'26"W	3124.0	U.S. DOE 1984
6	NTS10 YUCCA MTN	36°51'19"N	116°21'47"W	4849.0	U.S. DOE 1984
7	10251258	36°40'18"N	116°26'03"W	——	Kane (in review)
8	10251250	36°53'13"N	116°22'50"W	——	Kane (in review)
9	10251248	37°10'57"N	116°15'19"W	——	Kane (in review)
10	10251272	36°28'09"N	116°04'28"W	——	Kane (in review)
11	10251271	36°27'36"N	116°08'28"W	——	Kane (in review)
12	10251270	36°33'40"N	116°06'00"W	——	Kane (in review)
13	10251260	36°46'06"N	116°19'23"W	——	Kane (in review)
14	10251265	36°48'27"N	116°05'41"W	——	Kane (in review)
15	10251220	36°52'06"N	116°45'34"W	——	Kane (in review)
16	10251269	36°39'36"N	116°00'01"W	——	Kane (in review)
17	10251266	36°43'48"N	115°59'59"W		Kane (in review)
18	10251244	37°08'59"N	116°14'45"W	——	Kane (in review)
19	10247890	37°10'07"N	116°08'27"W	——	Kane (in review)
20	10251270	36°33'40"N	116°06'00"W	3425.0	Kane (in review)
21	10251262	36°37'35"N	116°08'31"W	2840.0	Kane (in review)
22	10251258	36°40'18"N	116°26'03"W	2705.0	Kane (in review)
23	10251260	36°46'06"N	116°19'23"W	3220.0	Kane (in review)
24	10251265	36°48'27"N	116°05'41"W	3890.0	Kane (in review)
25	10251250	36°53'13"N	116°22'50"W	——	Kane (in review)
26	SP	37°09'47"N	116°12'03"W	6735.0	Kane (in review)
27	ST4	36°50'58"N	116°18'09"W	——	U.S. DOE 1988d
28	SB1	36°51'18"N	115°57'08"W	——	U.S. DOE, 1988d
29	ST3	36°54'48"N	116°15'58"W	——	U.S. DOE 1988d
30	ST2	36°56'21"N	116°15'01"W	——	U.S. DOE, 1988d
31	ST1	36°58'41"N	116°15'36"W	——	U.S. DOE 1988d
32	TT3	37°02'49"N	116°19'23"W	——	U.S. DOE 1988d
33	TT2	37°02'56"N	116°23'07"W	——	U.S. DOE, 1988d
34	TT1	37°03'32"N	116°26'37"W	——	U.S. DOE, 1988d
35	RC1	37°04'41"N	116°08'10"W	——	U.S. DOE, 1988d
36	RT3	37°07'48"N	116°17'19"W	——	U.S. DOE, 1988d
37	RT2	37°09'31"N	116°12'12"W	——	U.S. DOE, 1988d
38	CJ1	37°10'15"N	116°10'23"W	——	U.S. DOE 1988d
39	RT1	37°12'14"N	116°12'11"W	——	U.S. DOE 1988d
40	RAINIER MESA SOUTH	37°10'58"N	116°12'28"W	——	U.S. DOE, 1988d
41	[illegible]	37°13'23"N	116°27'21"W	——	U.S. DOE, 1988d
42	PT1	37°13'46"N	116°17'59"W	——	U.S. DOE 1988d
43	PT2	37°17'04"N	116°21'03"W	——	U.S. DOE, 1988d
44	SR16	36°52'44"N	116°45'05"W	——	Johnson 1992
45	SF3	37°04'27"N	116°20'10"W	——	Johnson, 1992
46	SF4	37°04'06"N	116°21'08"W	——	Johnson 1992
47	PM31	36°55'28"N	116°33'28"W	——	Cochran 1992
48	PMS2	36°55'29"N	116°33'32"W	——	Cochran 1992
49	ANDY	36°16'05"N	116°10'28"W	2494.0	Mine et al. 1987

PROPOSED STATIONS

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
50	SR17	36°43'05"N	116°32'45"W	USGS, 1990c
51	SR18	36°23'12"N	116°25'22"W	USGS, 1990c
52	PR3	36°44'16"N	116°11'58"W	USGS 1990c
53	PR4	36°41'04"N	116°06'57"W	USGS 1990c
54	SF1	36°56'38"N	116°22'17"W	USGS 1990c
55	SF2	37°01'06"N	116°19'24"W	USGS 1990c
56	SF5	37°07'43"N	116°17'21"W	USGS, 1990c
57	SF6	37°07'06"N	116°03'37"W	USGS 1990c
58	SF7	36°04'19"N	116°20'50"W	Johnson 1992

Note: Shaded area is shown enlarged on Maps SA5-8.0 and SA5-9.0



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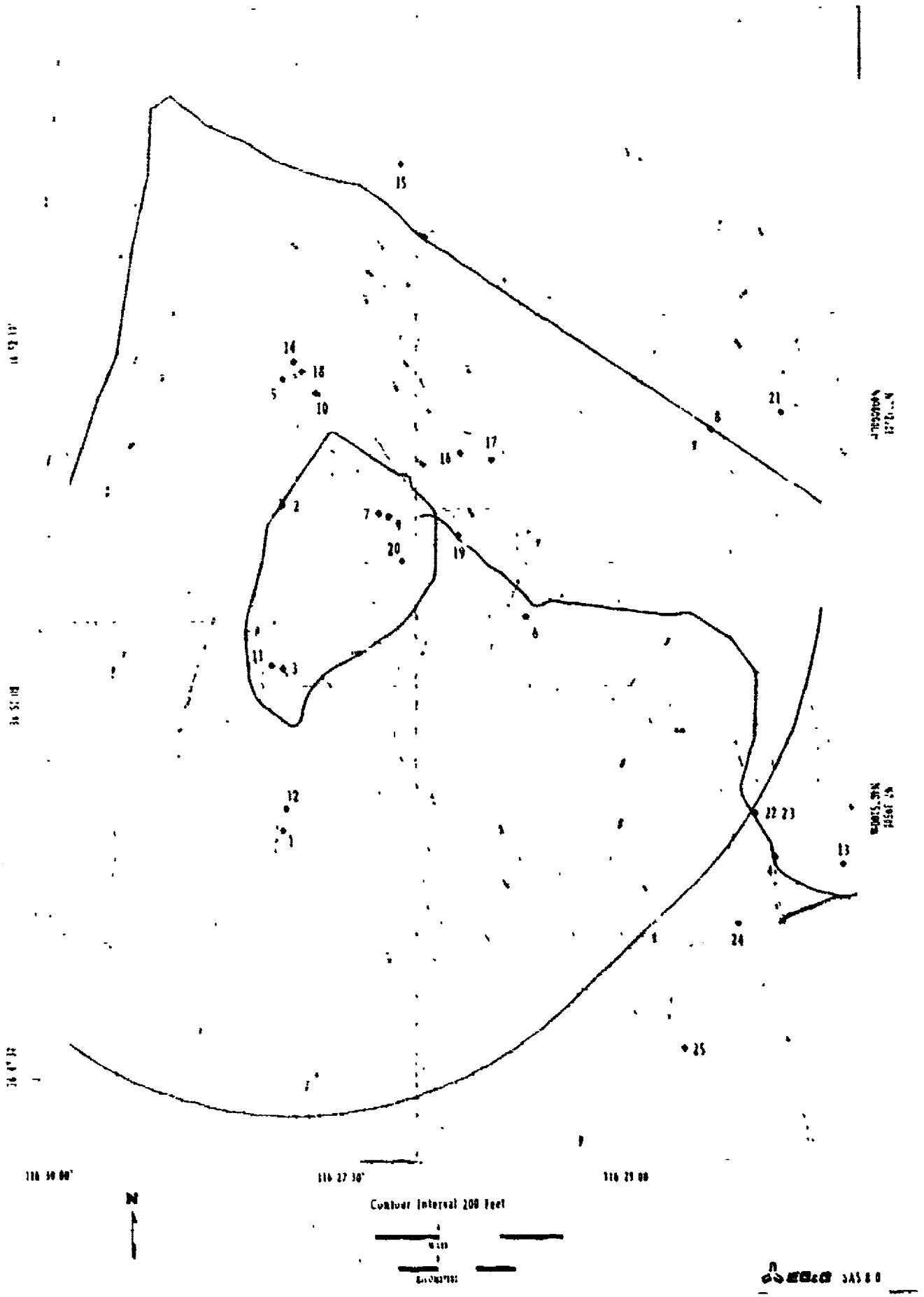
EXISTING PRECIPITATION AND STREAMFLOW MONITORING STATIONS IN THE NEAR-FIELD AREA

SA5-8 0

◆ EXISTING STATIONS

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	GROUND ELEVATION (FT)	SOURCE
1	CAROLYN	36°49 06"N	116°27 56"W	4856 0	Holmes and Narver, 1987c
2	DIANNE	36°51 21"N	116°27 56"W	4839 0	Milne et al , 1987
3	MARGE	36°50 13"N	116°27 56"W	4922 0	Milne et al , 1987
4	ROBIN	36°48 55"N	116°23 42"W	----	Milne et al , 1987
5	SANDY	36°52 13"N	116°27'56"W	4862 0	Holmes and Narver 1987c
6	NTS60 REPOSITORY	36°50'34"N	116°25 50"W	3751 0	U S DOE 1984
7	NTS10 COYOTE WASH	36°51'17"N	116°27'06"W	4193 0	U S DOE 1984
8	NTS10 ALICE HILL	36°51'51"N	116°24 15"W	4047 0	U S DOE 1984
9	NFCW	36°51 18"N	116°27'01"W	4140 0	Kane (in review)
10	P544	36 52 07"N	116°27 33"W	— —	U S DOE 1988d
11	P545	36°50 14"N	116°28 02"W	——	U S DOE 1988d
12	Y3	36°49 15"N	116 27 54"W	-	U S DOE 1988d
13	Y8	36°48 52"N	116°23 07"W	— —	U S DOE 1988d
14	Y7	36°52 20"N	116°27 50"W	— —	U S DOE 1988d
15	Y6	36°53'41"N	116°26'35"W	——	U S DOE 1988d
16	102512532	36°51 42"N	116 26'24"W	— —	Kane (in review)
17	102512533	36°51 38"N	116°26 08"W	— —	Kane (in review)
18	102512535	36°52 18"N	116°27 46"W	— —	Kane (in review)
19	102512536	36°51 08"N	116°26 25"W	— —	Kane (in review)
20	102512537	36°50 57"N	116°26 54"W	— —	Kane (in review)
21	10251252	36°51 58"N	116°23 38"W	3590 0	Kane (in review)
22	10251254	36 49 13"N	116°23 52"W	----	Kane (in review)
23	10251254	36°49 13"N	116°23 42"W	3320 0	Kane (in review)
24	10251255	36 48 27"N	116°24 [illegible]"W	3680 0	Kane (in review)
25	10251256	36°47 35"N	116°24 [illegible] W	3270 0	Kane (in review)



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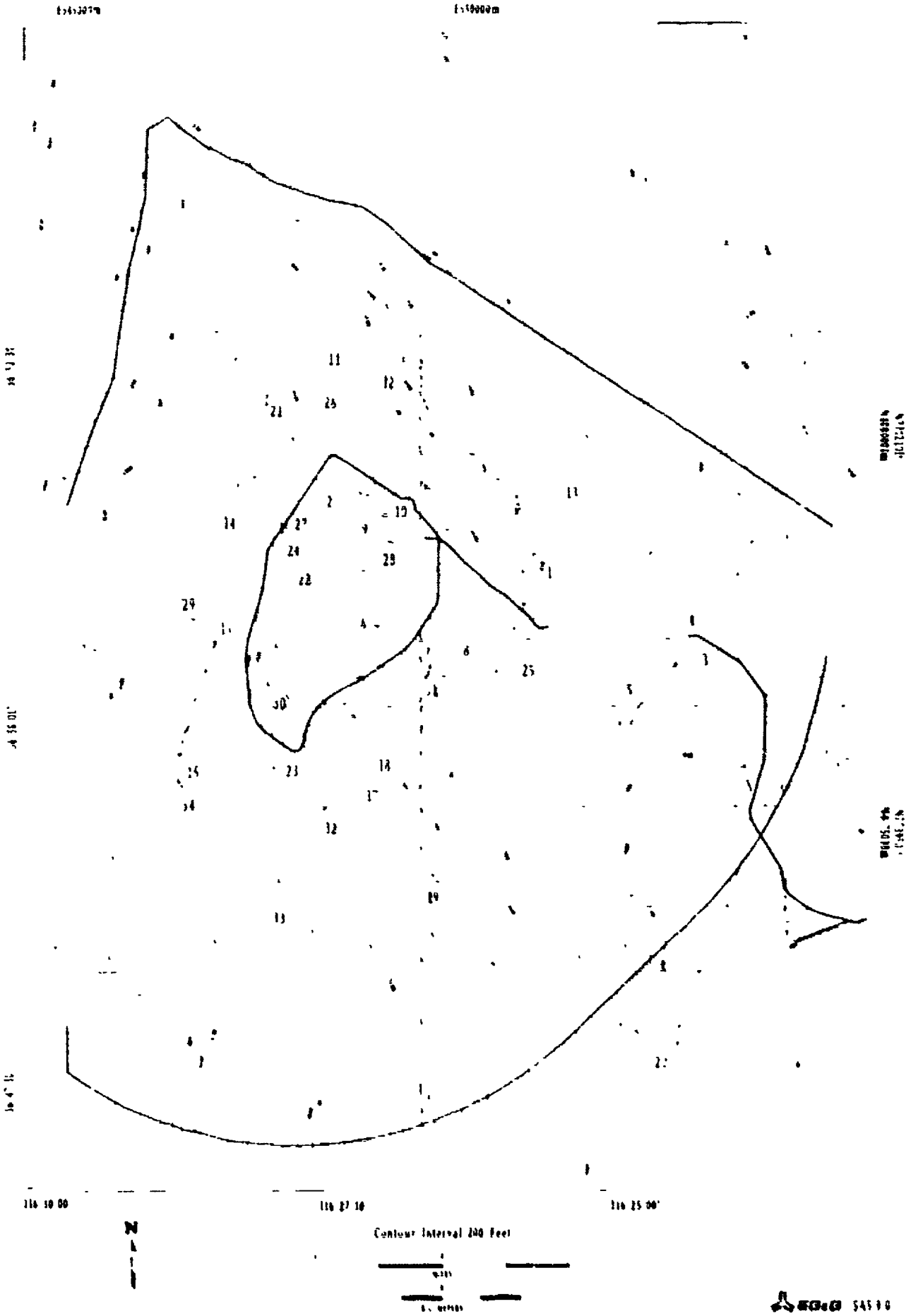
PROPOSED PRECIPITATION AND STREAMFLOW MONITORING STATIONS IN THE NEAR-FIELD AREA

SA5-9.0

PROPOSED STATIONS

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	GROUND ELEVATION (FT)	SOURCE
1	PR 1	36°51'07"N	116°25'46"W	—	USGS 1990c
2	SY 1	36°51 37"N	116°27'34"W	—	USGS 1990c
3	SY 2	36°50'33"N	116°24'23"W	—	USGS, 1990c
4	SY 3	36°50'37"N	116°24'27"W	—	USGS, 1990c
5	SY 4	36°50'08"N	116°25'01"W	—	USGS, 1990c
6	SY 6	36°50'41"N	116°27 08"W	—	USGS, 1990c
7	SY 7	36°50'24"N	116°26'42"W	—	USGS 1990c
8	SY 9	36°50 36"N	116°26'26"W	—	USGS 1990c
9	SY 10	36°51'26"N	116°27'1"W	—	USGS, 1990c
10	SY 11	36°51 26"N	116°27'04"W	—	USGS, 1990c
11	SY 13	36°52 25"N	116°27 25"W	—	USGS, 1990c
12	SY 14	36°52 28"N	116°27'04"W	—	USGS 1990c
13	SY 16	36°51 33"N	116°25 37"W	—	USGS 1990c
14	SY 17	36°51'25"N	116°28 15"W	—	USGS, 1990c
15	SY 18	36°50'34"N	116°28'31"W	—	USGS 1990c
16	SY 19	36°49'36"N	116°28 49"W	—	USGS 1990c
17	SY 20	36°49'37"N	116°27 08"W	—	USGS 1990c
18	SY 21	36°49'38"N	116°27'03"W	—	USGS, 1990c
19	SY 22	36°48'58"N	116°26 39"W	—	USGS, 1990c
20	SY 23	36°47 47"N	116°24'44"W	—	USGS, 1990c
21	P1	36°52 16"N	116°27'58"W	—	U S DOE 1988a
22	P2	36°50 55"N	116°27 50"W	—	U S DOE 1988a
23	P3	36°49'42"N	116°28'01"W	—	U S DOE 1988a
24	P4	36°51 13"N	116°28'00"W	—	U S. DOE 1988a
25	W1	36°50'28"N	116°25 52"W	—	U S DOE, 1988b
26	W2	36°52'07"N	116°27 39"W	4426 2	U S DOE, 1988b
27	W3	36°51'22"N	116°27'55"W	4851 6	U S DOE, 1988b
28	W4	36°51 15"N	116°27 02"W	—	U S DOE 1988b
29	W5	36°50 49"N	116°28'53"W	4271 9	U S DOE, 1988b
30	W6	36°50'14"N	116°28'03"W	4924 5	U S DOE, 1988b
31	W7	36°50 21"N	116°26 43"W	—	U S DOE 1988b
32	W8	36°49 25"N	116°27 33"W	—	U S DOE, 1988b
33	W9	36°48'41"N	116°27'51"W	—	U S DOE, 1988b
34	W10	36°49 32"N	116°28 51"W	3928 8	U S DOE, 1988b



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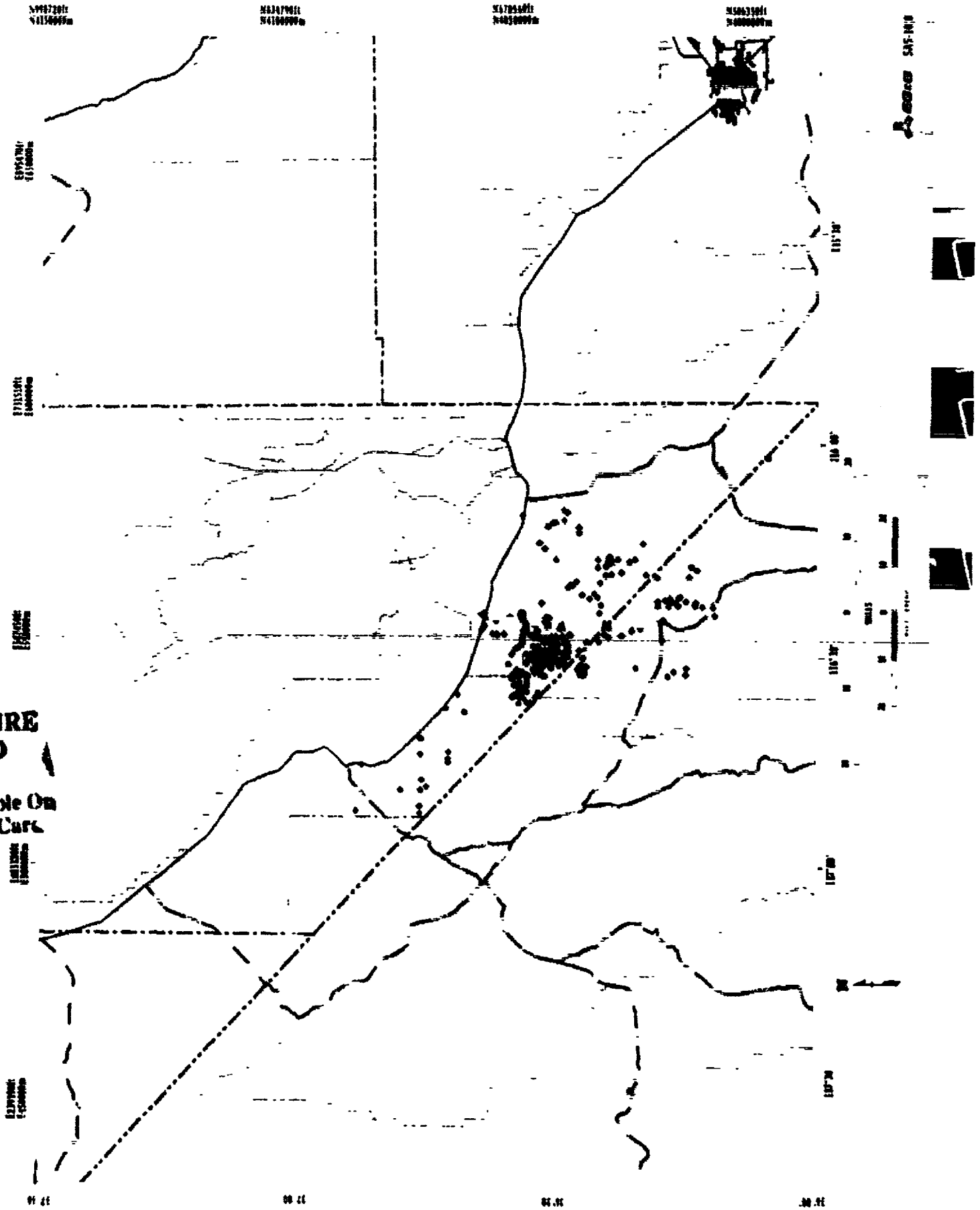
GROUND WATER OBSERVATION WELLS IN THE AMARGOSA DESERT REGION

SA5-10.0

LEGEND

◆ Ground Water Observation Well

Source Kilroy, K.C. 1991 *Ground Water Conditions in the Amargosa Desert, Nevada-California, 1952-1987* U.S. Geological Survey Water Resources Investigations Report 89-4101, 93p



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SAS-11.0

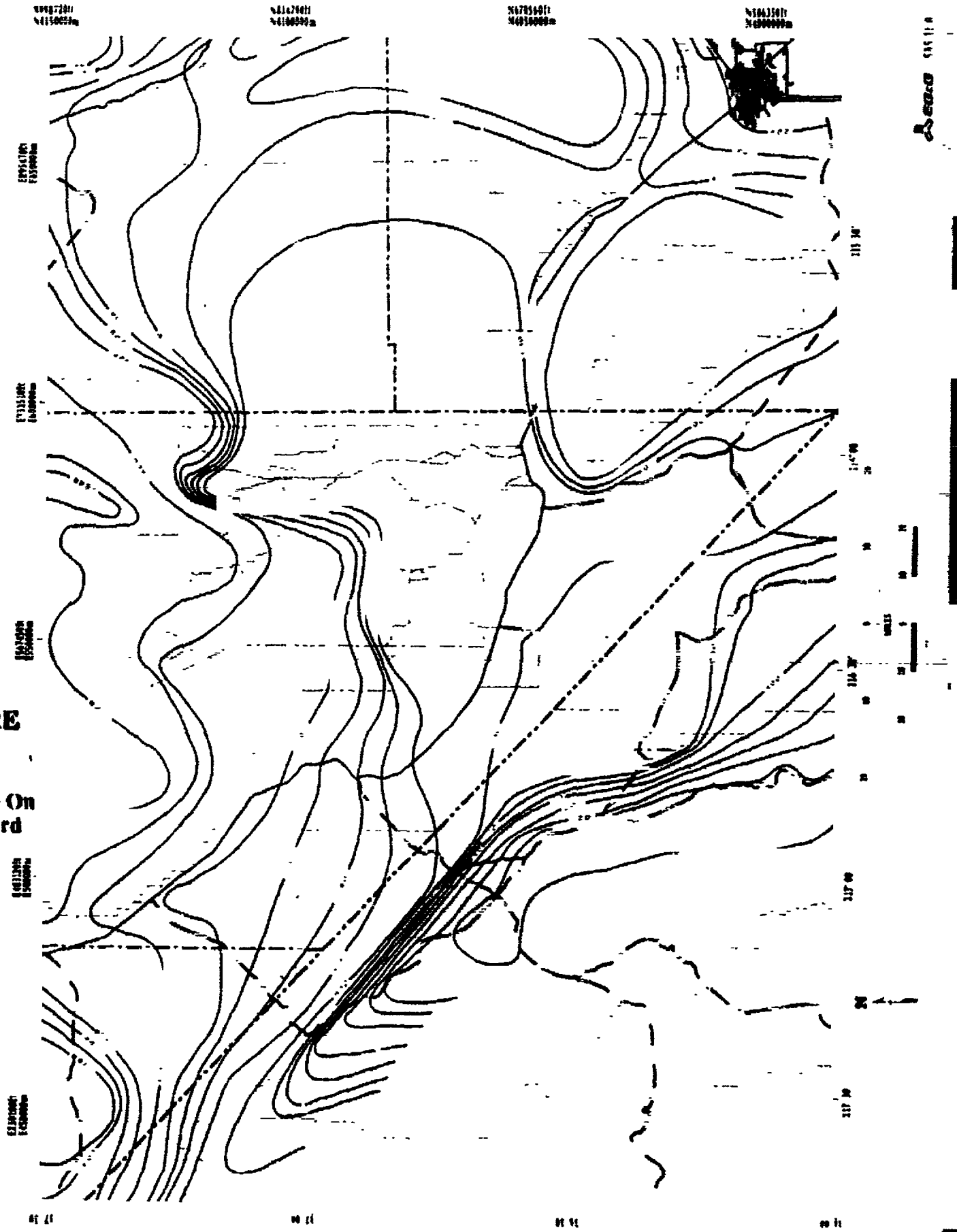
LEGEND

CONTOURS

—·— Potentiometric surface altitude (Interval 100 meters)

Note: Hanging lines indicate end of data.

Source: Weddell, R.K., J.J. Robison and R.K. Blankennagel. 1984. *Hydrology of Yucca Mountain and Vicinity, Nevada-California, Investigative Results Through Mid-1983.* U.S. Geological Survey Water Resources Investigations Report 84-4267



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FLOOD POTENTIAL OF FORTYMILE WASH
SA5-12.0

LEGEND

LIMITS OF INUNDATION (Shown in blue)

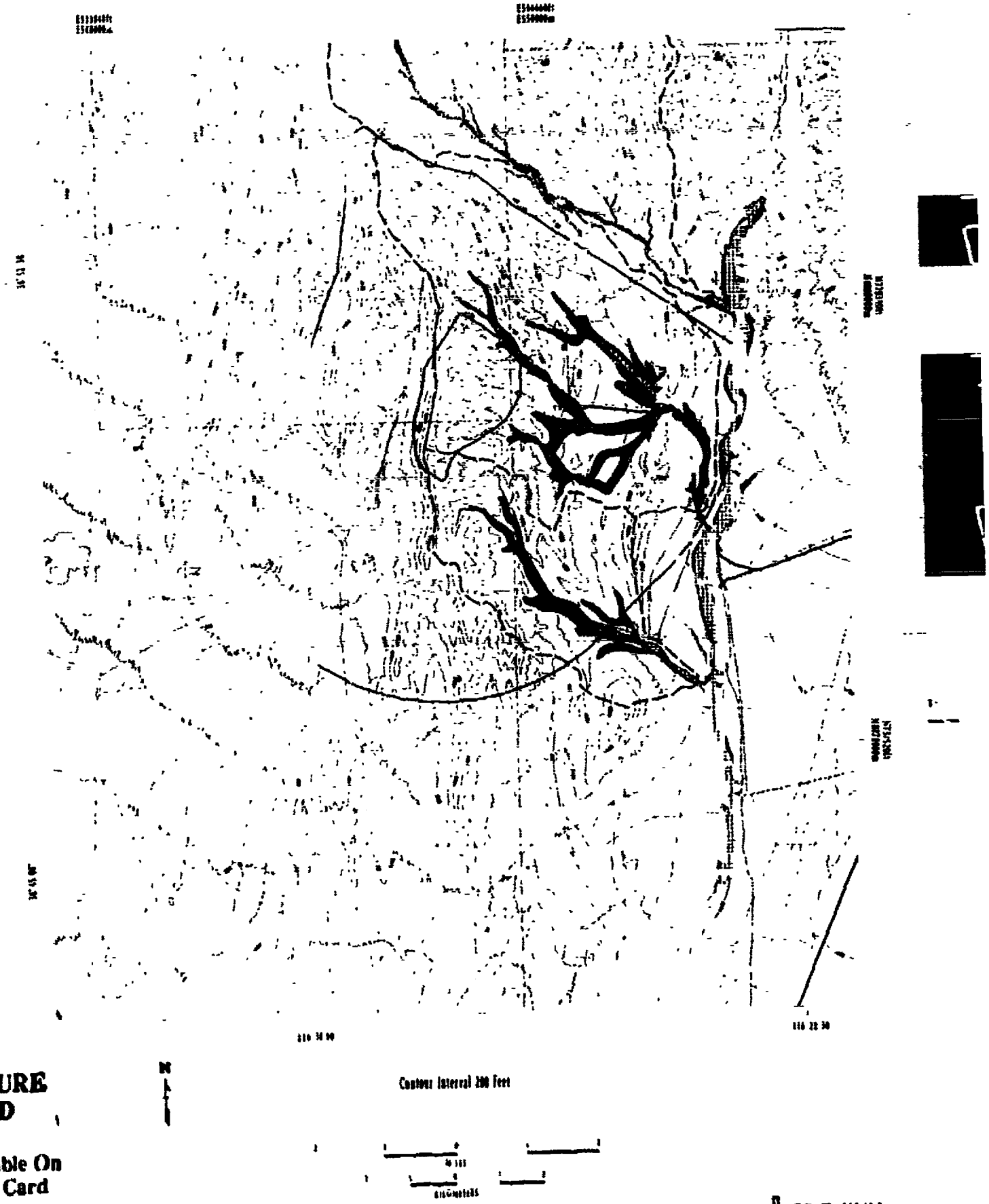
- 100-year flood
- 500-year flood
- Regional maximum flood

DRAINAGE

- Intermittent stream (Shown in blue)
- Drainage basin divide (Shown in black)

Note: Shading shows extent of available interpreted data

Source: Squires, R.R. and R.L. Young 1984. *Flood Potential of Fortymile Wash and Its Principal Southwestern Tributaries, Nevada Test Site, Southern Nevada.* Water Resources Investigation Report 83-4001, Plate 1, "Map Showing Approximate Flood Prone Areas, Fortymile Wash and Its Principal Southwestern Tributaries, Nevada Test Site, Southern Nevada."



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SECTION 6

GEOLOGY

STRUCTURAL FEATURES AND BEDROCK/ALLUVIUM CONTACTS

SA6-1.0

LEGEND

BEDROCK/ALLUVIUM CONTACTS

Alluvium

Bedrock

Bedrock/alluvium contact

STRUCTURAL FEATURES

Fault

Inferred fault

Concealed fault

Concealed fault (indicated by electromagnetic survey)

Concealed fault (indicated by aeromagnetic anomalies)

Dike intruded along fault

Faults that cut alluvium, absence of fractures on fault traces separating bedrock and alluvium indicate alluvium deposited against fault scarps

Fracture

Scarp

Bar and ball on downthrown side of fault

Arrows indicate relative strike-slip displacement

Trend and plunge of striations on slickensides

Direction of fault dip

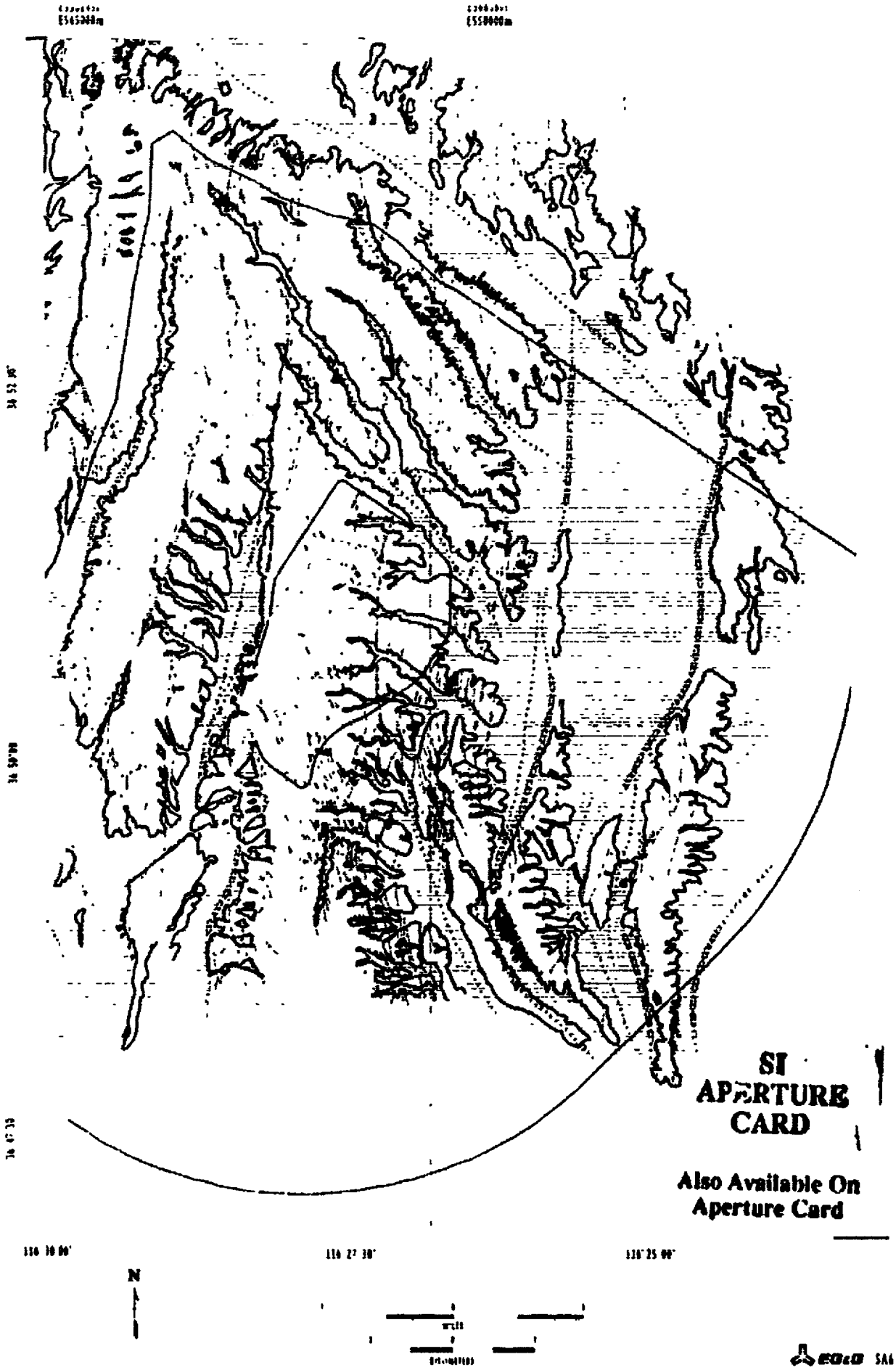
Queried where doubtful

Tectonic Breccia

Strike of dominant near-vertical fracture set

Note: The extent of available data is shown

Source Scott R B , and J Bonk 1984 *Preliminary Geologic Map of Yucca Mountain with Geolgoic Sections, Nye County, Nevada* USGS Open File Report 84-494



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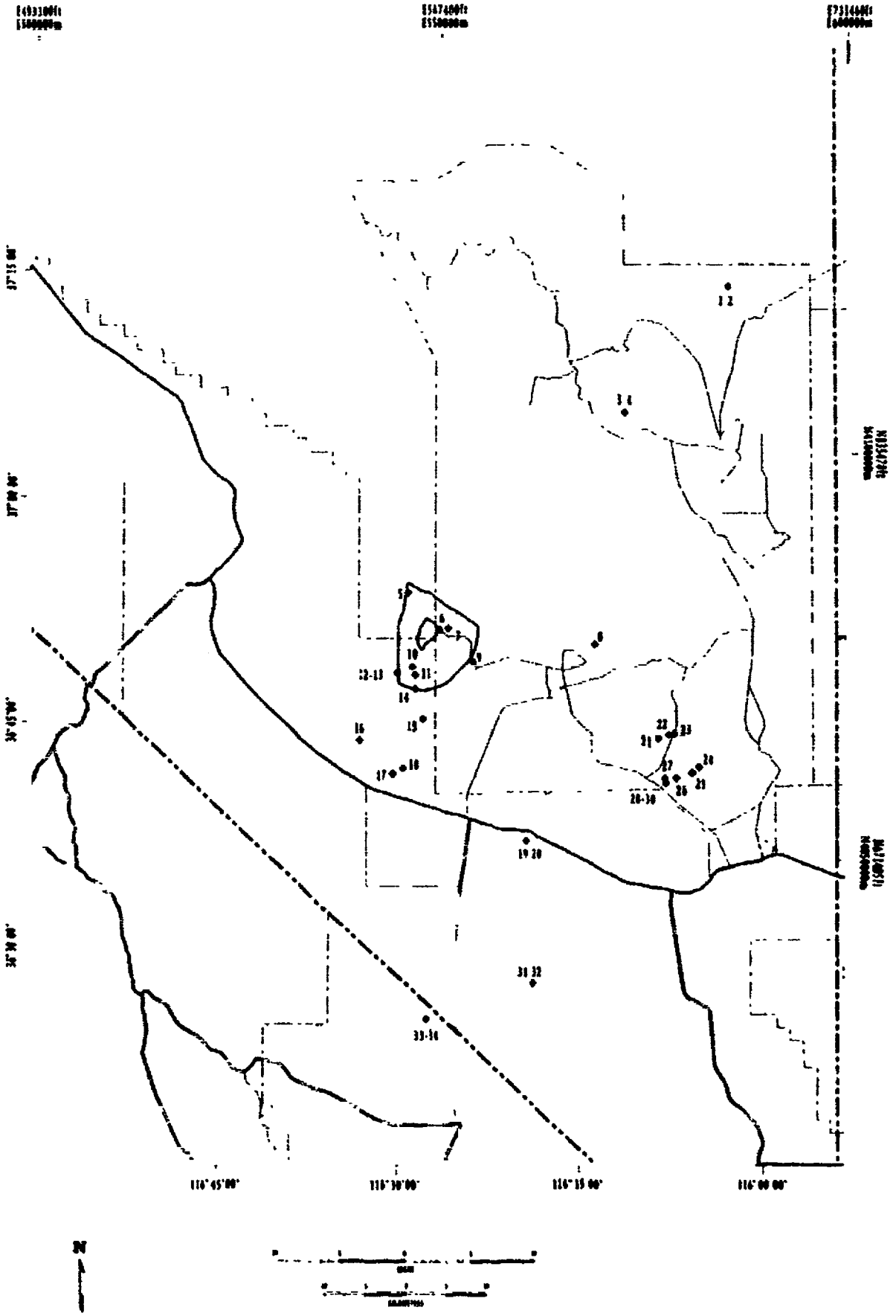
URANIUM-SERIES DATING OF CARBONATE AND SILICA PRECIPITATES

SA6-2.0

◆ EXISTING SAMPLING LOCATIONS

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	SOURCE
1	50	37°13'40"N	116°02'27"W	Szabo, et al., 1981
2	51	37°13'40"N	116°02'27"W	Szabo, et al., 1981
3	H1	37°05'21"N	116°11'03"W	Szabo, et al., 1981
4	H2	37°05'21"N	116°11'03"W	Szabo, et al., 1981
5	365	36°53'29"N	116°29'01"W	Szabo, et al., 1985
6	UE-25A #1	36°51'04"N	116°26'24"W	Szabo, et al., 1981
7	412	36°51'10"N	116°25'42"W	Szabo, et al., 1985
8	STOP 9	36°50'00"N	116°13'31"W	Szabo, et al., 1981
9	379	36°48'55"N	116°23'41"W	Szabo, et al., 1985
10	368	36°48'34"N	116°28'40"W	Szabo, et al., 1985
11	112	36°48'04"N	116°28'27"W	Szabo, et al., 1981
12	386	36°48'13"N	116°29'54"W	Szabo, et al., 1985
13	387	36°48'13"N	116°29'54"W	Szabo, et al., 1985
14	115	36°47'07"N	116°28'27"W	Szabo, et al., 1981
15	106	36°45'10"N	116°27'49"W	Szabo, et al., 1985
16	199	36°43'42"N	116°33'00"W	Szabo, et al., 1981
17	59	36°41'31"N	116°30'16"W	Szabo, et al., 1981
18	60	36°41'52"N	116°29'26"W	Szabo, et al., 1981
19	154	36°37'04"N	116°19'14"W	Szabo, et al., 1981
20	155	36°37'04"N	116°19'14"W	Szabo, et al., 1981
21	40	36°43'46"N	116°08'19"W	Szabo, et al., 1981
22	97	36°44'01"N	116°07'25"W	Szabo, et al., 1981
23	82	36°44'07"N	116°06'59"W	Szabo, et al., 1981
24	45	36°41'53"N	116°04'58"W	Szabo, et al., 1981
25	30	36°41'29"N	116°05'34"W	Szabo, et al., 1981
26	31	36°41'11"N	116°06'48"W	Szabo, et al., 1981
27	32	36°41'06"N	116°07'45"W	Szabo, et al., 1981
28	46	36°40'49"N	116°07'40"W	Szabo, et al., 1981
29	47	36°40'49"N	116°07'40"W	Szabo, et al., 1981
30	48	36°40'49"N	116°07'40"W	Szabo, et al., 1981
31	81 3-19F	36°27'30"N	116°16'42"W	Szabo, et al., 1985
32	AM 9	36°27'30"N	116°16'42"W	Szabo, et al., 1985
33	79 3-7P	36°25'08"N	116°27'35"W	Szabo, et al., 1985
34	80-10-20F	36°25'08"N	116°27'35"W	Szabo, et al., 1985



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SECTION 7

GEOPHYSICS

SOUTHERN GREAT BASIN SEISMIC MONITORING NETWORK

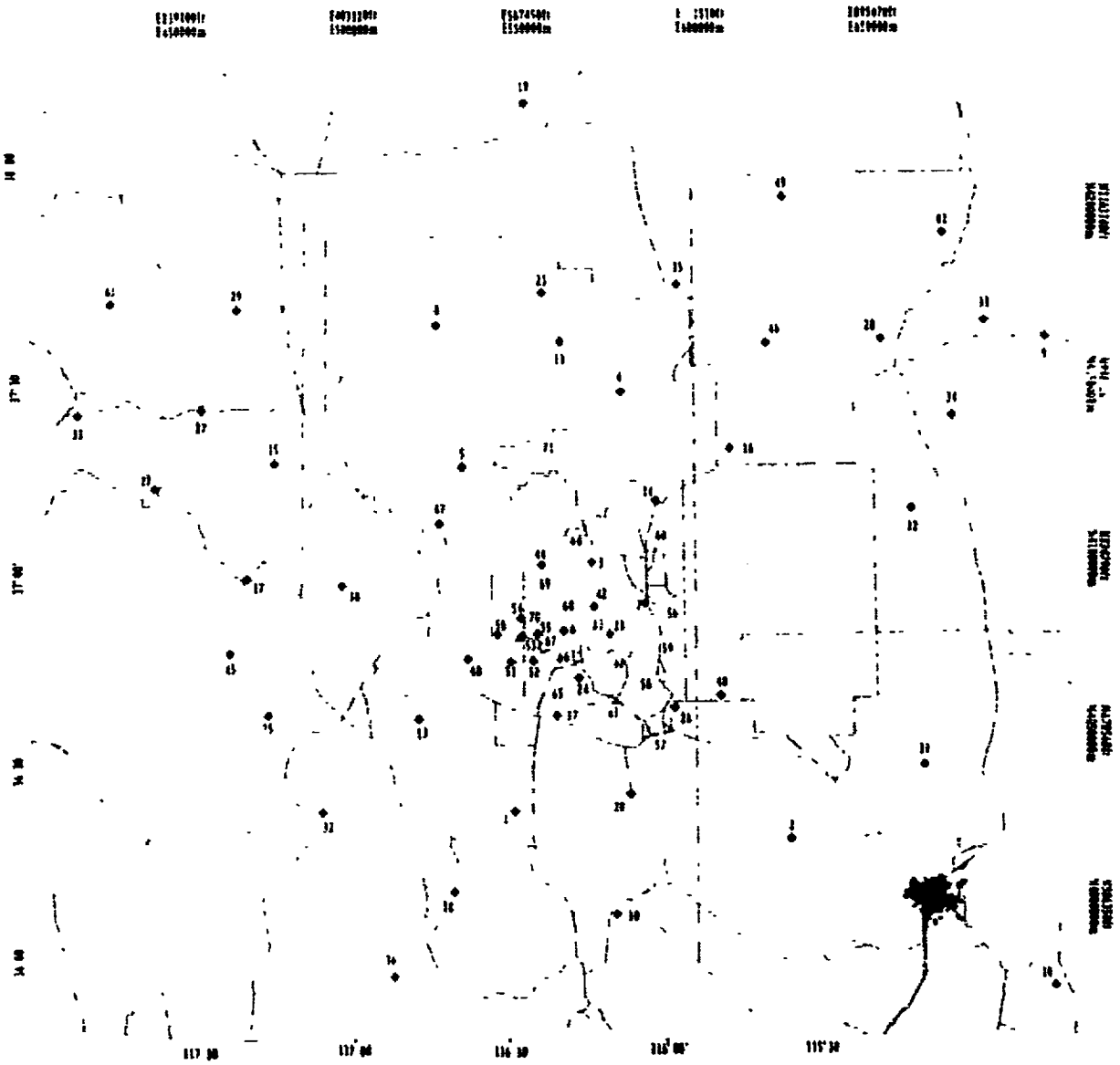
SA7-1.0

◆ EXISTING SEISMIC MONITORING NETWORK – SOURCE. Harmsen (in Press)

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE
1	AMR Amargosa	36°23'49"N	116°28'35"W
2	APKW Angel Peak	36°19'11"N	115°35'18"W
3	BGB-Big Butte	37°02'25"N	116°13'40"W
4	BLT-Belted Range	37°28'59"N	116°07'32"W
5	BMT-Black Mtn	37°17'30"N	116°38'25"W
6	CDH-Calico Downhole	36°51'49"N	116°18'58"W
7	CPX CP 55	36°55'58"N	116°03'16"W
8	CTS Cactus Peak	37°39'23"N	116°43'35"W
9	DLM Delmar Mtn	37°36'22"N	114°44'25"W
10	EMN-Eldorado Mtn	35°55'19"N	114°45'17"W
11	EPN-Echo Peak	37°38'53"N	116°19'25"W
12	EPR-East Pahranagat	37°10'08"N	115°11'14"W
13	FMT-Funeral Mtn	36°38'17"N	116°46'59"W
14	GLR-Groom Lake	37°11'55"N	116°01'02"W
15	GMN-Gold Mtn	37°18'01"N	117°15'31"W
16	GMR-Groom Range	37°20'02"N	115°46'21"W
17	GVN-Grapevine Canyon	36°59'57"N	117°20'47"W
18	GWV Green Water Valley	36°11'16"N	116°40'18"W
19	HCR Hot Creek	38°14'01"N	116°26'18"W
20	JON-Johnnie	36°26'23"N	116°06'19"W
21	KRN A-Kawich Range	37°44'32"N	116°22'53"W
22	LCH Last Chance Range	37°13'58"N	117°38'49"W
23	LOP-Look Out Peak	36°51'16"N	116°10'07"W
24	LSM Little Skull Mtn	36°44'31"N	116°16'19"W
25	MCA-Marble Canyon	36°38'45"N	117°16'40"W
26	MCY-Mercury	36°39'43"N	115°57'38"W
27	MGM Magruder Mtn	37°26'26"N	117°29'56"W
28	MTI-Mount Irish	37°38'31"N	115°16'33"W
29	MZP-Montezuma Peak	37°42'03"N	117°23'06"W
30	NOP Nopah Range	36°07'38"N	116°09'13"W
31	NPN North Panamint Range	37°39'08"N	114°56'14"W
32	PAN-Panamint Range	36°23'35"N	117°05'58"W
33	PPK Piper Peak	37°25'31"N	117°54'26"W
34	PRN Pahranagat	37°24'25"N	115°02'59"W
35	QCS-Queen City Summit	37°45'28"N	115°56'29"W
36	QSM Queen Sheeba Mine	35°57'51"N	116°52'03"W
37	SDH-Striped Hills	36°38'44"N	116°20'28"W
38	SGV-South Grapevine	36°58'55"N	117°02'07"W
39	SHRG-Sheep Range	36°30'17"N	115°09'32"W
40	SPRG-Striped Range	36°41'37"N	115°48'38"W
41	SRG Seaman Range	37°52'54"N	115°04'04"W
42	SSP-Shoshone Peak	36°55'33"N	116°13'14"W
43	SVP-Silver Peak	37°42'54"N	117°48'13"W
44	TMBR Timber Mtn	37°02'07"N	116°23'13"W
45	TMO Tin Mtn	36°48'16"N	117°24'17"W
46	TPU-Timpahute Range	37°36'16"N	115°39'08"W
47	TRC Thirsty Canyon	37°08'31"N	116°42'59"W
48	WCT Wildcat Peak	36°47'33"N	116°37'22"W
49	WRN Wheeler Peak	37°58'55"N	115°35'32"W
50	YMT#1 Yucca Mtn 1	36°51'14"N	116°31'50"W
51	YMT#2-Yucca Mtn 2	36°47'06"N	116°29'10"W
52	YMT#3 Yucca Mtn 3	36°47'09"N	116°24'56"W
53	YMT#4-Yucca Mtn 4	36°50'56"N	116°27'08"W
54	YMT#5-Yucca Mtn 5	36°53'54"N	116°27'13"W
55	YMT#6-Yucca Mtn 6	36°51'20"N	116°24'02"W

◇ PROPOSED SEISMIC MONITORING NETWORK – SOURCE Gomberg, 1991

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE
56	1	36°52'51"N	115°58'03"W
57	2	36°36'18"N	116°02'37"W
58	3	36°41'34"N	116°02'40"W
59	4	36°48'49"N	116°01'37"W
60	5	37°04'21"N	116°01'55"W
61	6	36°41'13"N	116°09'54"W
62	7	36°48'13"N	116°09'58"W
63	8	36°51'35"N	116°14'01"W
64	9	37°07'52"N	116°15'37"W
65	10	36°43'34"N	116°19'07"W
66	11	36°46'52"N	116°20'38"W
67	12	36°49'11"N	116°23'17"W
68	13	36°54'26"N	116°19'55"W
69	14	36°57'36"N	116°22'34"W
70	15	36°52'44"N	116°25'58"W
71	16	37°19'32"N	116°25'05"W



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EXISTING SEISMIC REFLECTION SURVEYS
SA7-2.0

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SEISMIC SURVEYS*

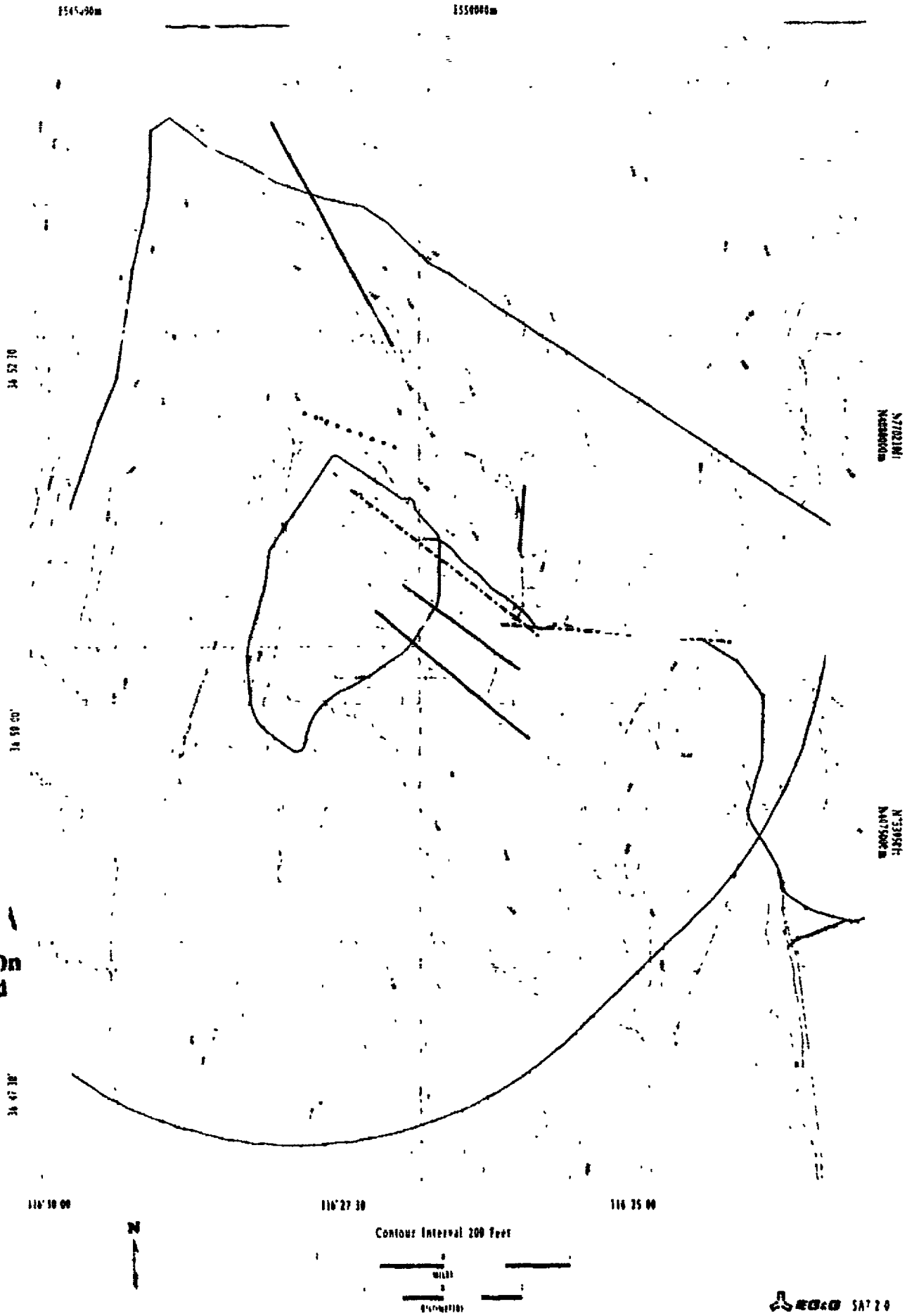
—— Seisdata Services Inc./Seismic International Research Corporation

—·—· Colorado School of Mines

• • • • Birdwell Seismograph Services Inc.

Source McGovern, T.F., L.W. Pankratz, and H.D. Ackerman 1983 *An Evaluation of Seismic Reflection Studies in the Yucca Mountain Area, Nevada Test Site* USGS Open File Report 83-912, 58p.

* Seismic survey lines are identified by the name of the surveying organization



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PROPOSED SEISMIC REFLECTION SURVEYS
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SEISMIC SURVEYS

- - - - Seismic Reflection * (U S DOE, 1988a)

. . . . Seismic Reflection (USGS, 1991c)

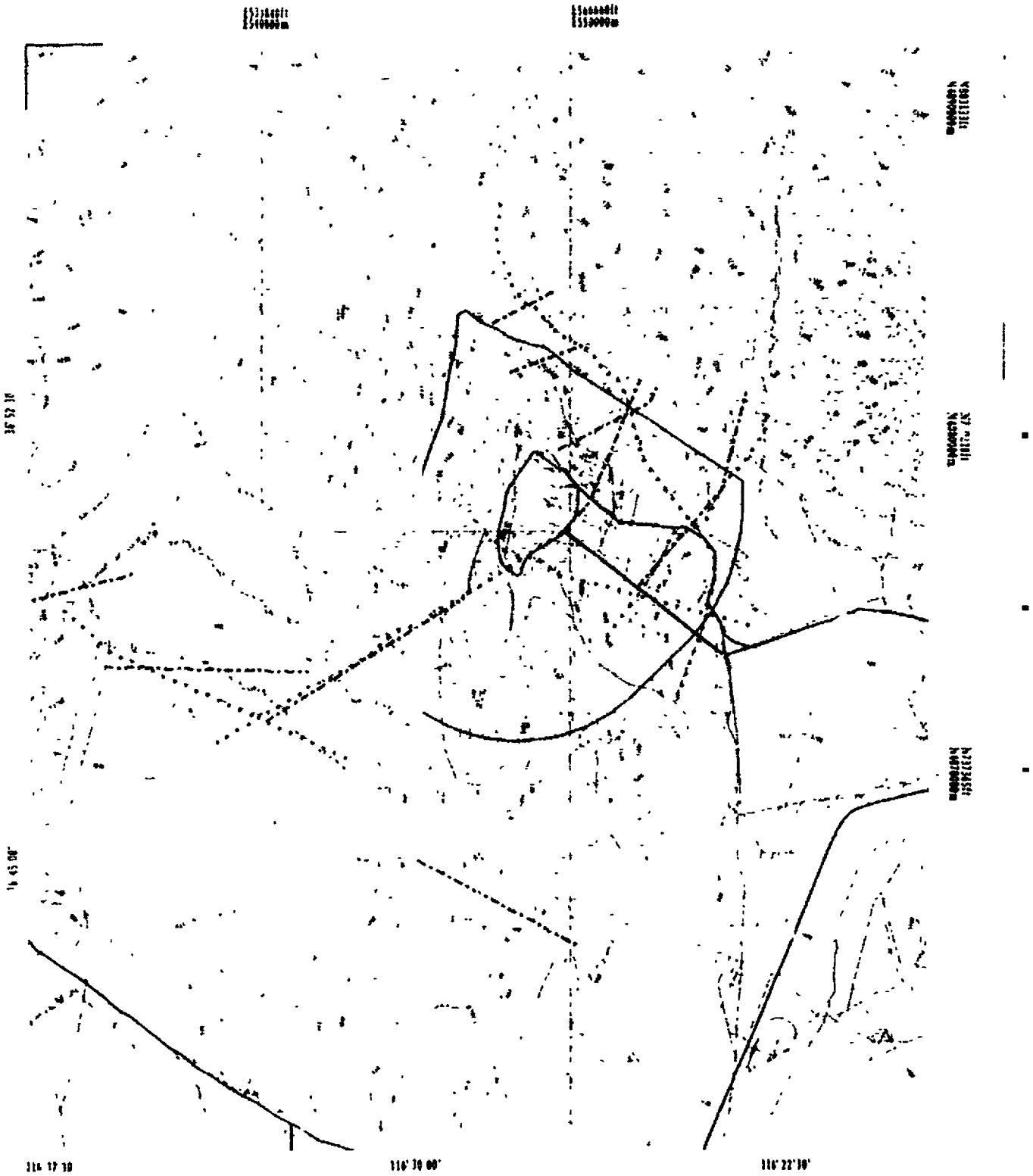
——— Principal Lines for Evaluation **

Source U S Department of Energy, 1988a *Site Characterization Plan, Yucca Mountain Site, Nevada Research and Development Area, Nevada* DOE/RW-0199, Volumes I-IX

* These proposed shallow seismic reflection (mini-sosie) lines are for assessment of method and for investigation of faults in the Yucca Mountain region

** The two principal lines are planned to be performed first for test and evaluation.

U S Geological Survey 1991c *Characteristics of the Vertical and Lateral Distribution of Stratigraphic Units within the Site Area* USGS Quality Assurance Grading Report Number G1232211, Revision 1



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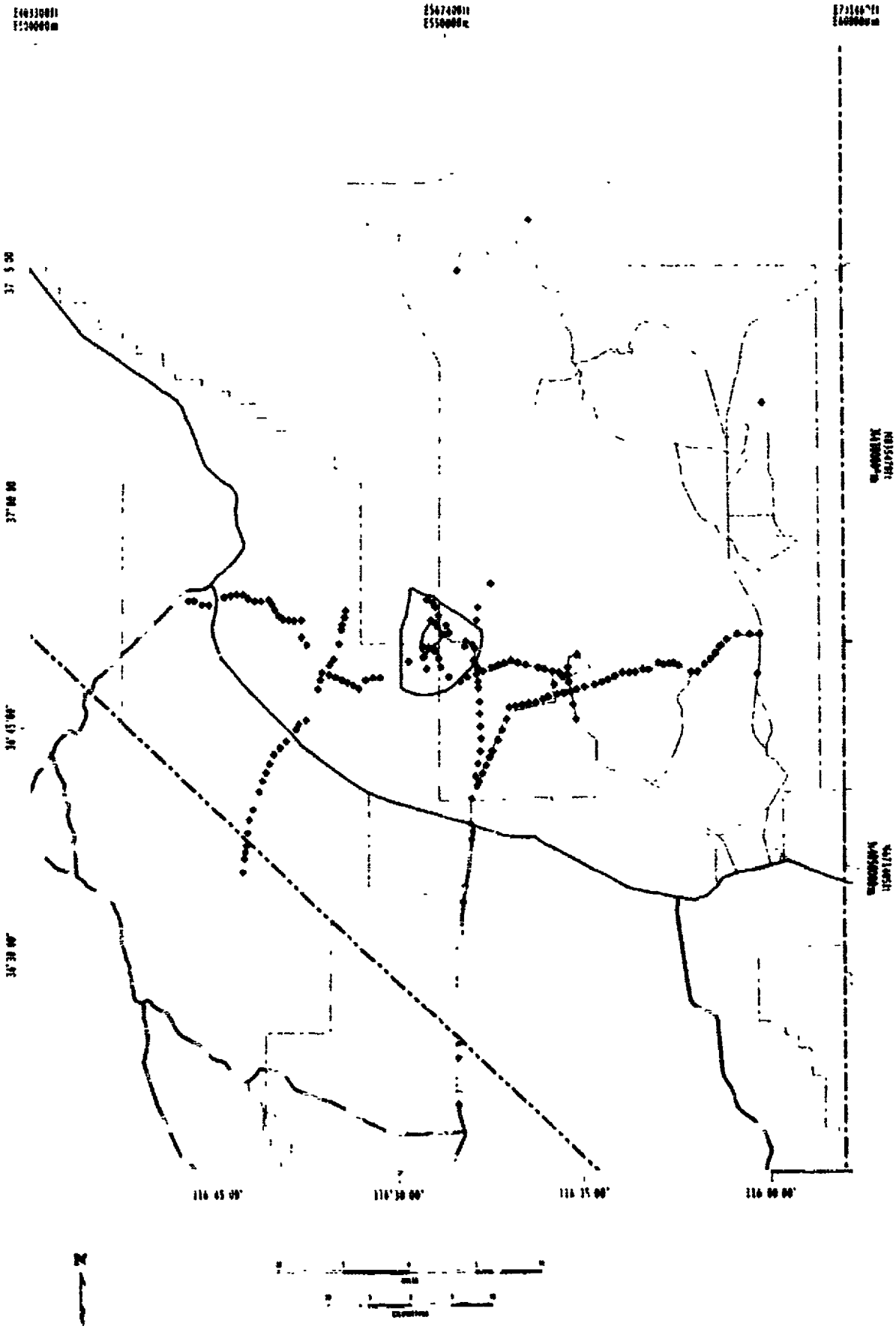
SEISMIC REFRACTION SURVEYS – 1983

SA7-4.0

LEGEND

◆ Existing Seismic Refraction Recorders and/or Shot Points

Source: Hoffman, L R and W D Mooney 1983 *A Seismic Study of Yucca Mountain and Vicinity, Southern Nevada Data Report and Preliminary Results* U S Geological Survey Open-File Report 83-588, 1 plate, 50p



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SEISMIC REFRACTION SURVEYS – 1985

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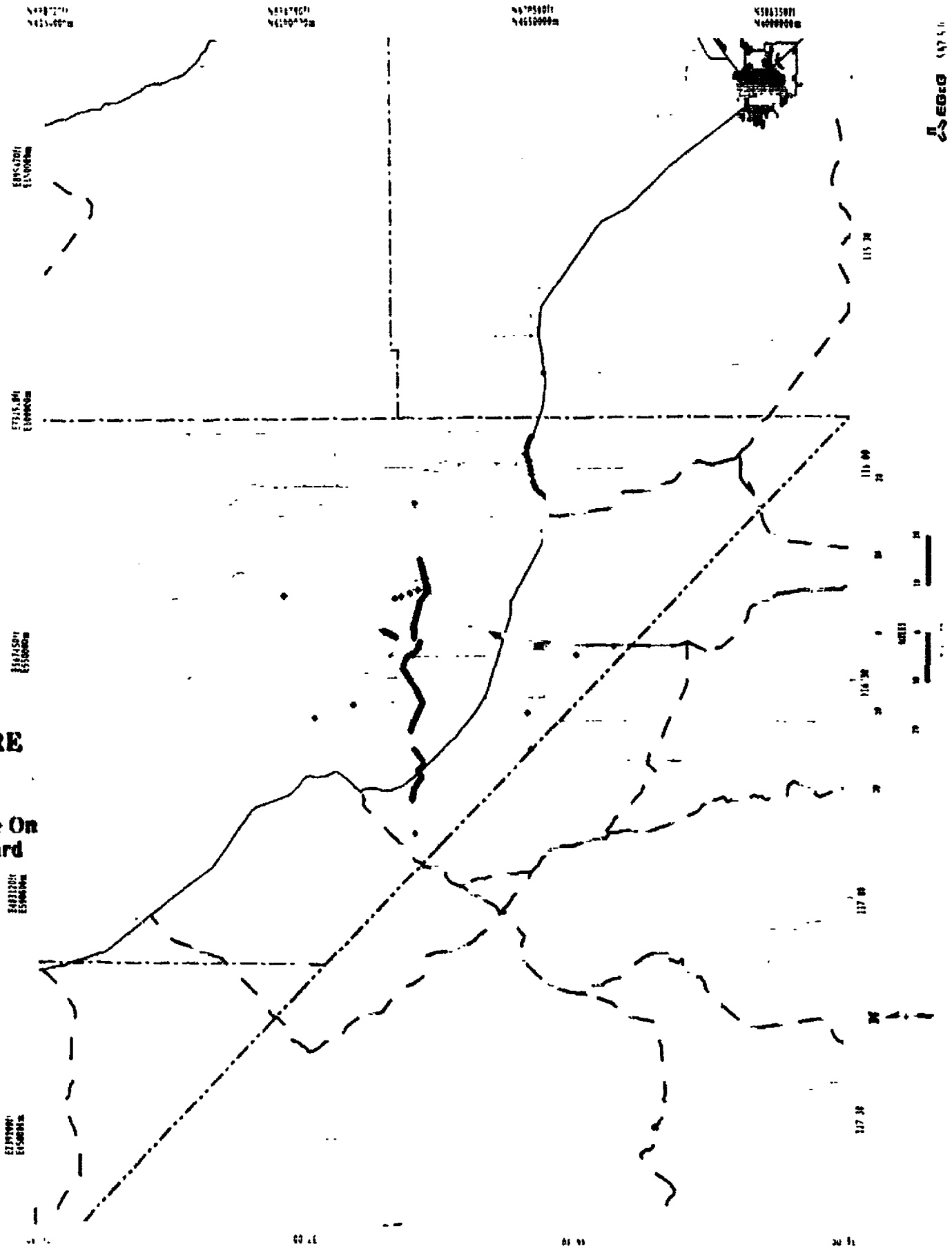
LEGEND

◆ Seismic Refraction Recorders and/or Shot Points

Source Sutton, V.D. 1985 *Data Report for the 1985 Seismic Refraction Experiment at Yucca Mountain and Vicinity, Southwestern Nevada* U S Geological Survey Open-File Report 85-591, 17 plates, 96p.

Mooney, W 1992 Update to Sutton 1985 Report U S Geological Survey written communication



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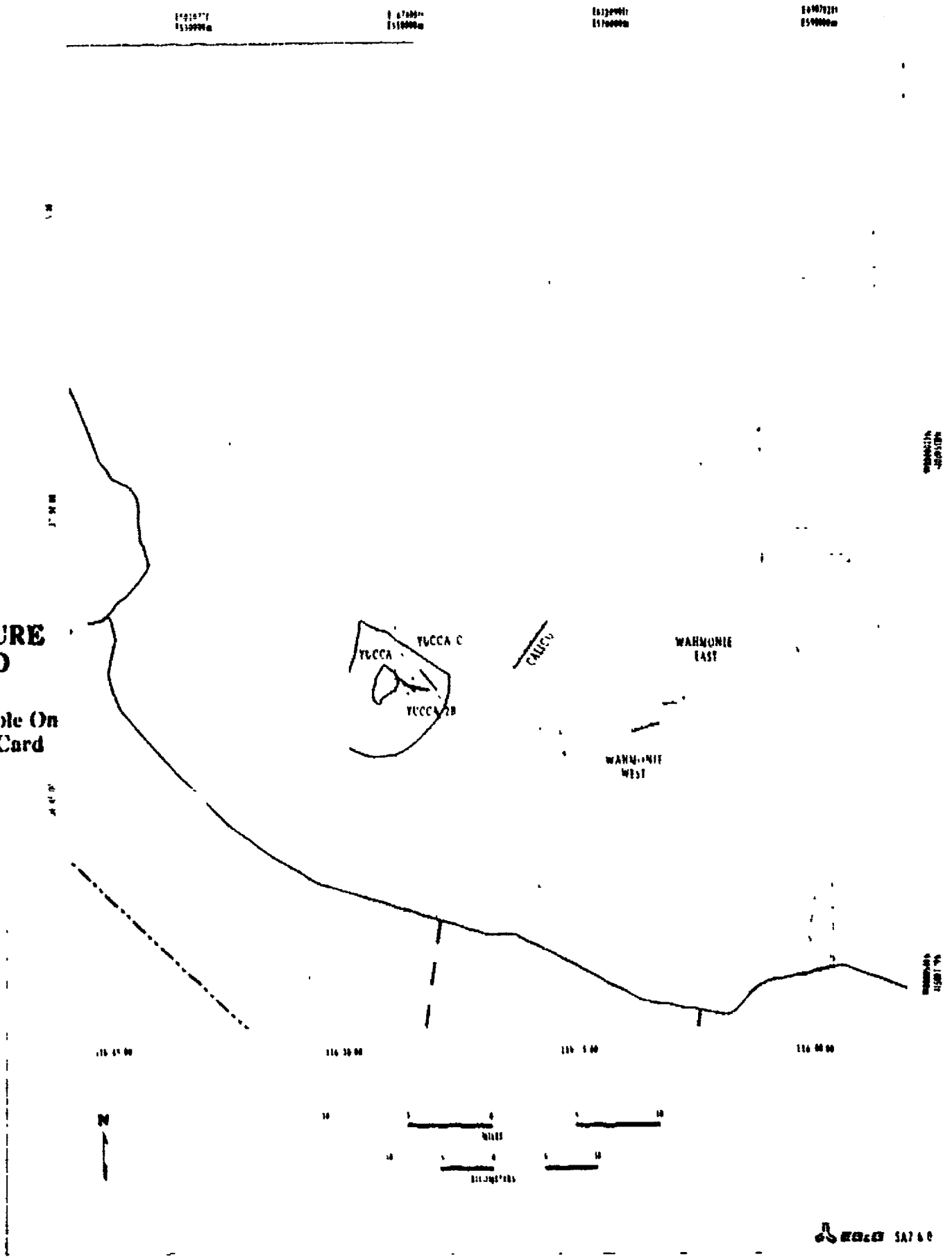
SEISMIC REFRACTION LINES
SA7-6.0

LEGEND

—— Seismic Refraction Lines with Geophone Locations

Source Pankratz, L W. 1982 Reconnaiss.ance *Seismic Refraction Studies at Calico Hills, Wahmonie, and Yucca Mountain Southwest Nevada Test Site, Nye County, Nevada* USGS Open File Report 82-478, 25p

U S Department of Energy 1988a *Site Characterization Plan, Yucca Mountain Site, Nevada Research and Development Area, Nevada* DOE/RW 0199, Volumes I-IX



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MAGNETIC AIR AND GROUND TRAVERSES
SA7-7.0

LEGEND

— — Magnetic Ground Traverses (Shown in brown)

—— Air Traverses (Shown in blue)

Note Traverse annotation indicates direction in w survey was run For example, Traverse H82 was run from starting point H82 to stopping point H82' Traverse distances are measured in meters

Source Bath, G D and C E Jahren 1984 *Interpretations of Magnetic Anomalies at a Potential Repository Site Located in the Yucca Mountain Area, Nevada Test Site* USGS Open File Report 84-120, 40

Bath, G D and C E Jahren 1985 *Investigations of an Aeromagentic Anomaly on the West Side of Yucca Mountain, Nye County, Nevada* USGS Open File Report 85-459, 24p

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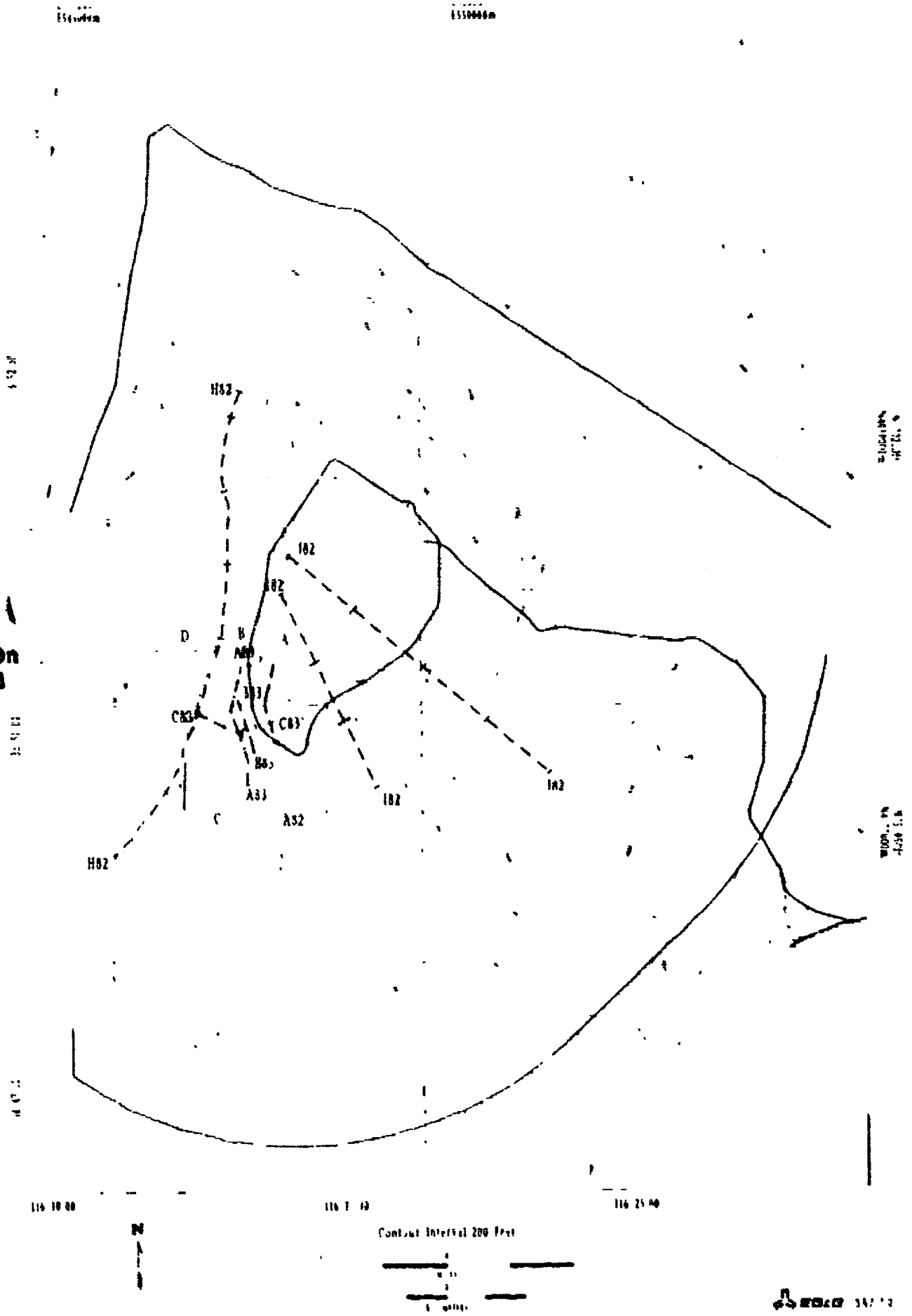

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GRAVITY SURVEYS

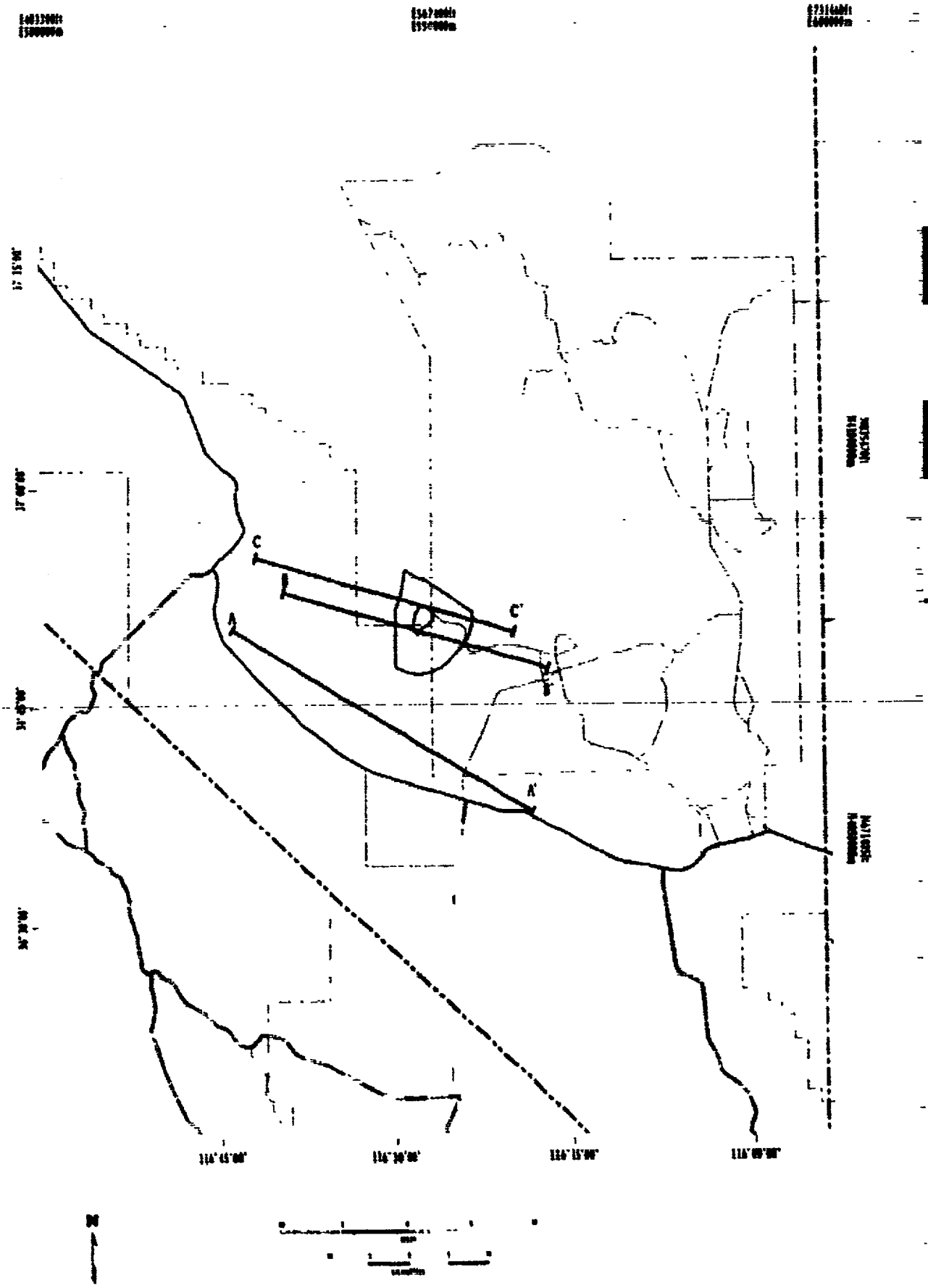
§ A7-8.0

LEGEND

—— Gravity Surveys

Note Traverse annotation indicates the direction in which survey was run For example Traverse A was run from starting point A to stopping point A'

Source Snyder, D B and W J Carr 1982 *Preliminary Results of Gravity Investigations at Yucca Mountain and Vicinity, Southern Nye County, Nevada* U S Geological Survey Open File Report 82 701, 36p



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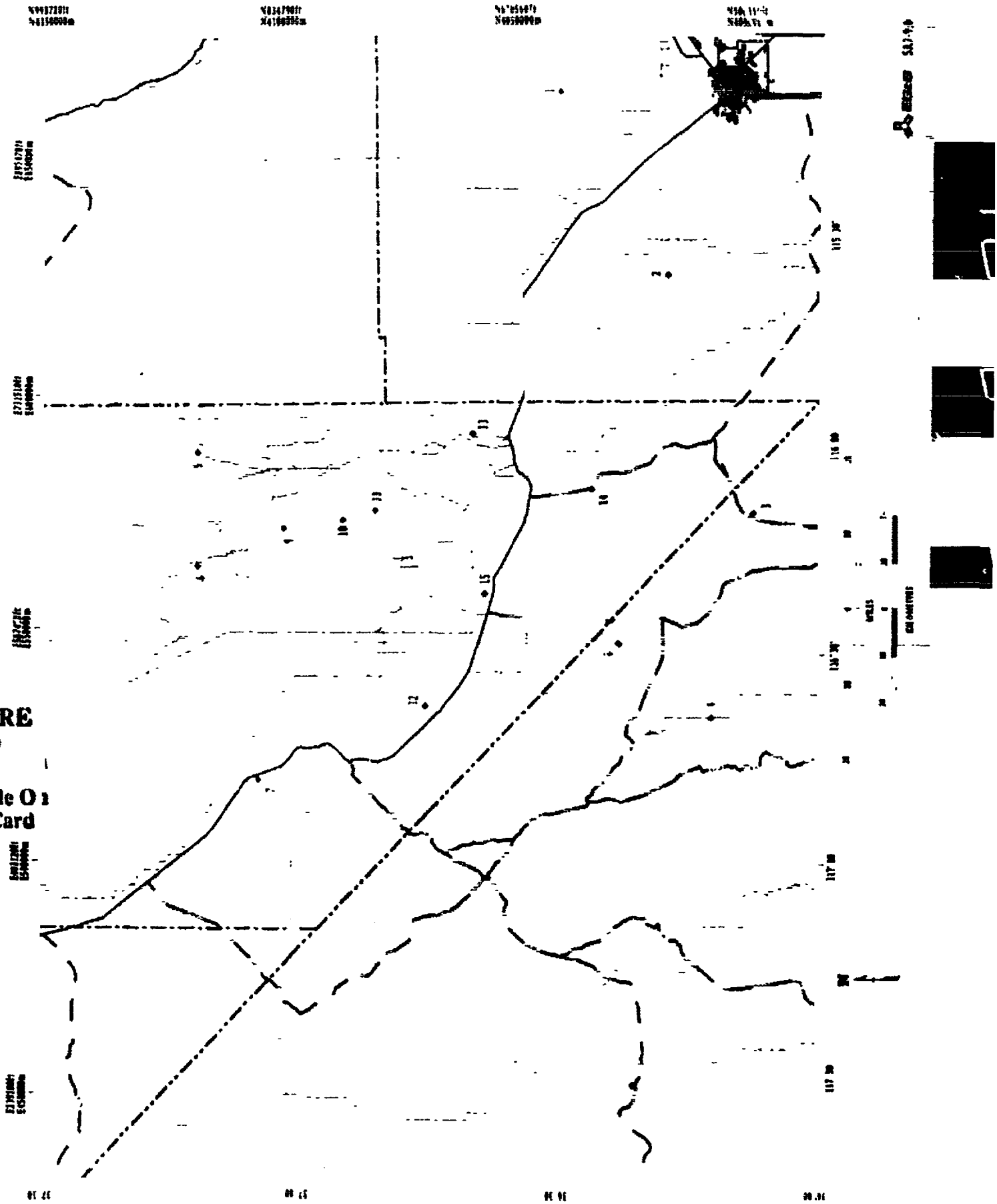
EXISTING MAGNETOTELLURIC SURVEYS
SA7-9.0

◆ MAGNETOTELLURIC SOUNDING STATIONS – SOURCE. Furgerson 1982

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE
1	Station 11	36°30'05"N	115°08'32"W
2	Station 12	36°17'41"N	115°35'47"W
3	Station 13	36°07'50"N	116°09'55"W
4	Station 14	36°12'34"N	116°39'03"W
5	Station 16	37°12'17"N	116°00'46"W
6	Station 17	37°12'15"N	116°17'19"W
7	Station 18	37°04'59"N	116°48'10"W
8	Station 19	36°23'25 N	16°28'29"W
9	Station 20	37°02'10"N	16°11'49"W
10	Station 21	36°55'13"N	116°10'43"W
11	Station 22	36°51'31"N	116°08'22"W
12	Station 23	36°45'36"N	116°37'32"W
13	Station 24	36°40'13"N	115°58'19"W
14	Station 25	36°26'35"N	116°06'27"W
15	Station 26	36°38'49"N	116°21'19"W



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PROPOSED MAGNETOTELLURIC SURVEYS

SA7-10.0

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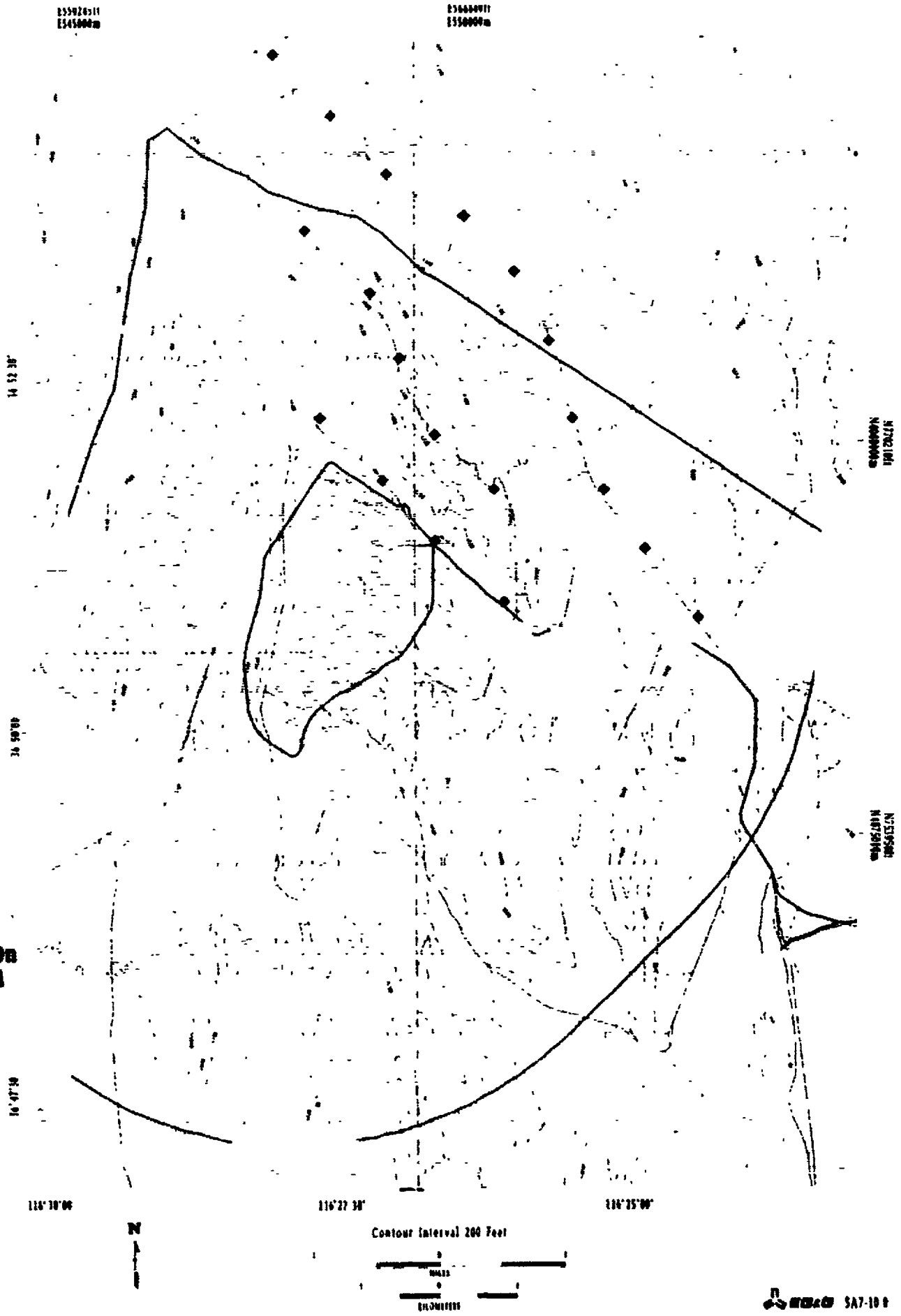
◆ Magnetotelluric Sounding

Source U S Department of Energy 1988a *Site Characterization Plan, Yucca Mountain Site, Nevada Research and Development Area, Nevada* DOE/RW-0199, Volumes I-IX



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SCHLUMBERGER RESISTIVITY SOUNDINGS

SA7-11.0

LEGEND

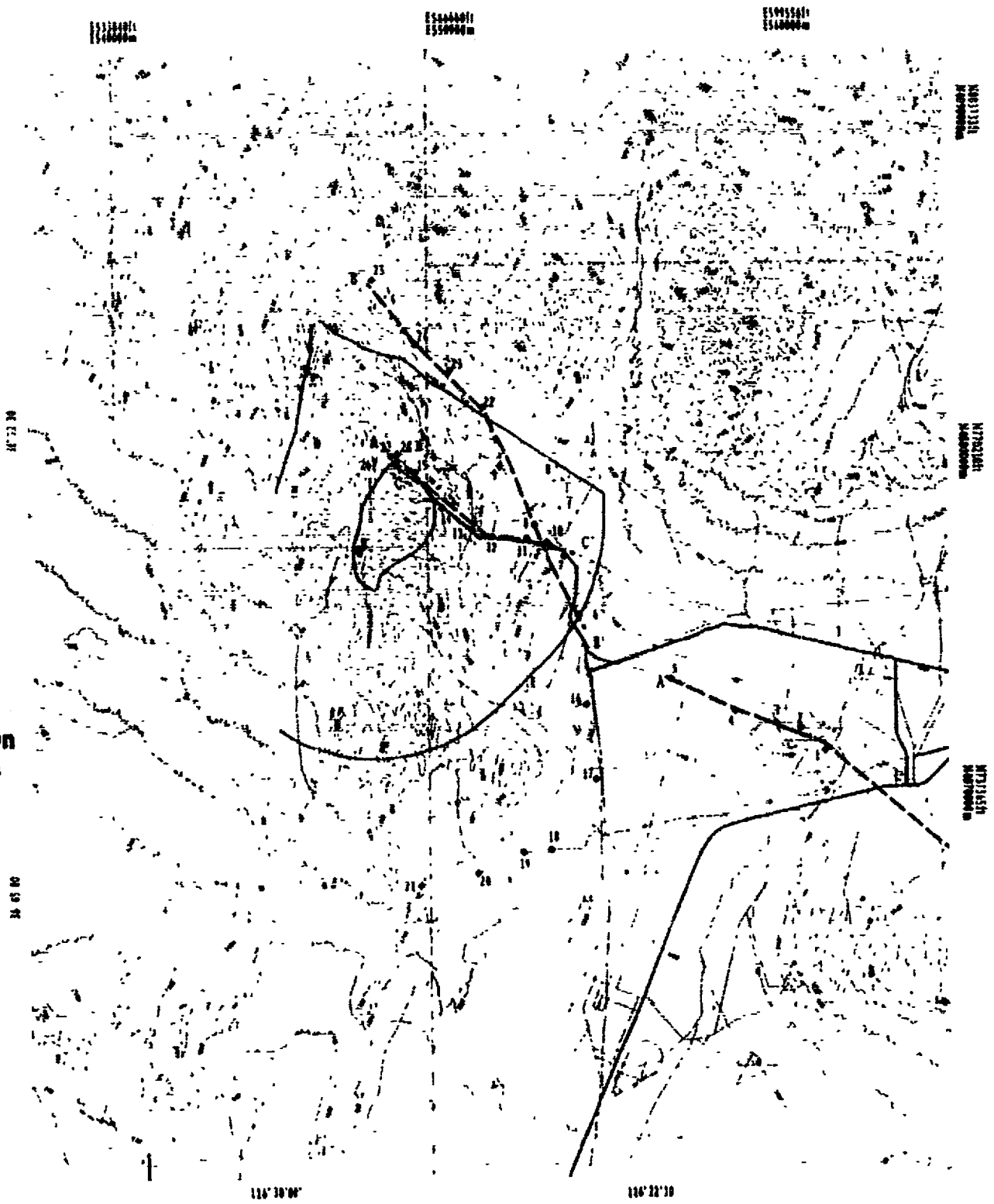
TRAVERSES

— — Resistivity Cross-sect.^^

◆ Schlumberger Sounding Locations

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	AZIMUTH
1	24	36°50'21'N	116°24'05'W	128°
2	25	36°50'51'N	116°24'40'W	107°
3	26	36°51'48'N	116°25'22'W	110°
4	27	36°50'34'N	116°24'28'W	112°
5	29	36°50'39'N	116°24'49'W	115°
6	30	36°50'42'N	116°25'40'W	183°
7	31	36°50'48'N	116°25'55'W	136°
8	32	36°51'09'N	116°26'30'W	122°
9	33	36°51'43'N	116°27'02'W	179°
10	34	36°52'44'N	116°25'42'W	92°
11	35	36°53'20'N	116°26'21'W	85°
12	36	36°53'46'N	116°27'00'W	64°
13	37	36°54'48'N	116°27'5[illegible] W	153°
14	38	36°51'54'N	116°27'2[illegible]'W	142°
15	39	36°5[illegible]'59'N	116°27'30'W	137°
16	40	36°52'00'N	116°27'23'W	175°
17	41	36°47'39'N	116°19'52'W	171°
18	42	36°47'51'N	116°20'40'W	90°
19	43	36°48'22'N	116°21'36'W	60°
20	44	36°49'24'N	116°23'49'W	61°
21	45	36°47'58'N	116°23'40'W	80°
22	47	36°46'46'N	116°23'30'W	165°
23	48	36°45'37'N	116°24'58'W	122°
24	49	36°45'17'N	116°25'50'W	133°
25	50	36°45'05'N	116°26'58'W	170°
26	YM-1	36°45'39'N	116°24'23'W	126°
27	YM-2	36°47'12'N	116°18'53'W	125°
28	YM-3	36°47'34'N	116°19'22'W	124°

Source Senterfit, R.M., D.B. Hoover, and M Chornak 1982 *Resistivity Sounding Investigations by the Schlumberger Method in the Yucca Mountain and Jackass Flat Area, Nevada Test Site, Nevada.* USGS-Open File Report 82-1043, 39p.



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SCHLUMBERGER SOUNDINGS IN THE AMARGOSA DESERT

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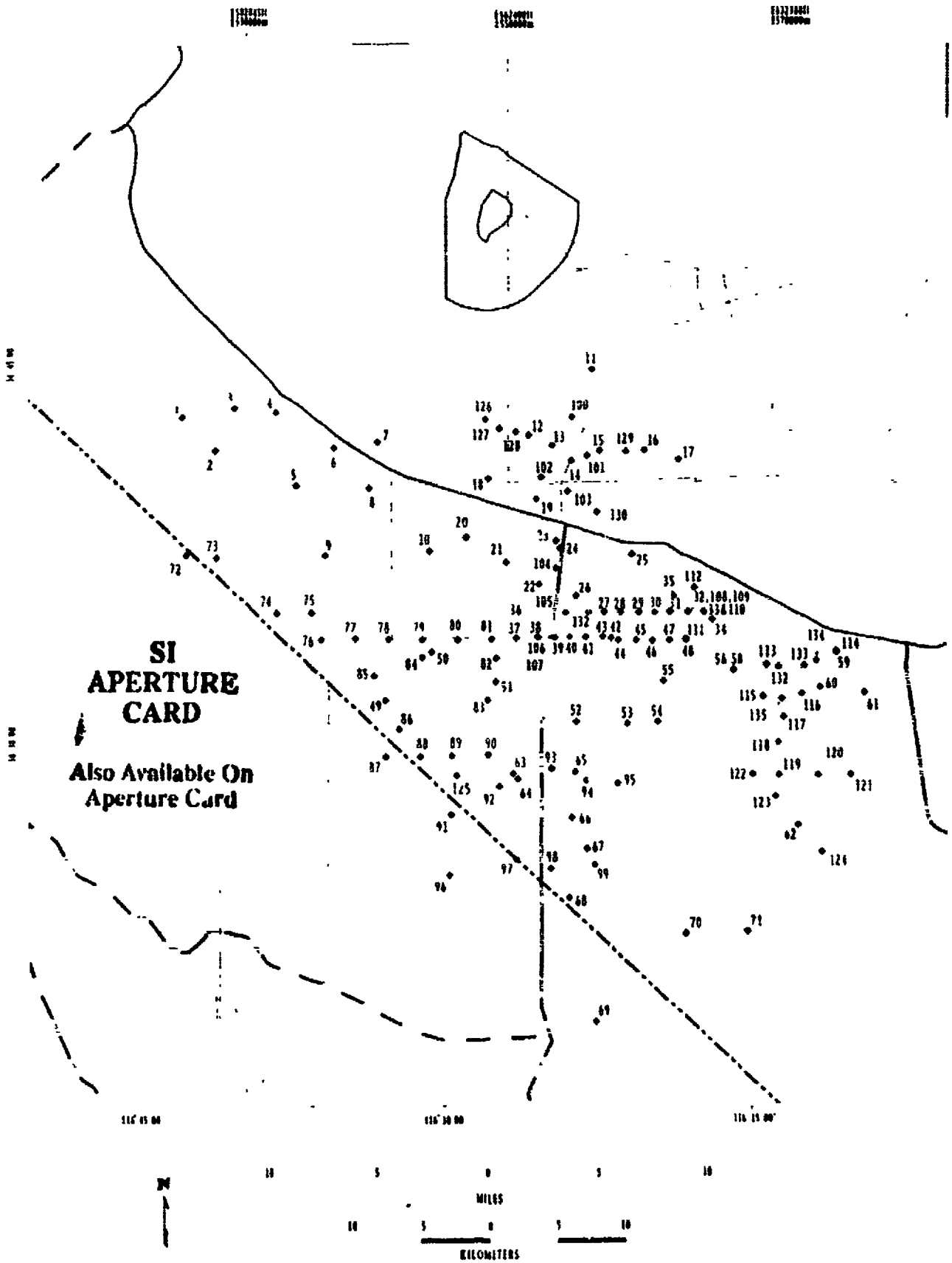
◆ SOUNDING LOCATIONS – SOURCE Greenhaus and Zablocki, 1982

MAP DESIGNATOR	ACTIVITY ID	LATITUDE	LONGITUDE	AZIMUTH
[illegible]	1	36°42'36"N	116°42'51"W	[illegible]
2	2	36°41'36"N	116°41'14"W	197°
3	3	36°43'18"N	116°40'18"W	160°
4	4	36°43'07"N	116°38'10"W	170°
5	5	36°40'11"N	116°37'12"W	172°
6	6	36°41'43"N	116°36'20"W	133°
7	7	36°41'36"N	116°33'11"W	186°
8	8	36°40'08"N	116°33'36"W	135°
9	9	36°37'26"N	116°36'46"W	166°
10	10	36°37'36"N	116°30'40"W	130°
11	11	36°41'48"N	116°22'41"W	202°
12	12	36°42'18"N	116°26'49"W	203°
13	13	36°41'46"N	116°24'40"W	200°
14	14	36°41'08"N	116°23'43"W	195°
15	15	36°41'32"N	116°22'20"W	190°
16	16	36°41'32"N	116°20'06"W	193°
17	17	36°41'12"N	116°18'26"W	193°
18	18	36°40'27"N	116°27'48"W	200°
19	19	36°38'38"N	116°25'27"W	240°
20	20	36°38'08"N	116°25'54"W	232°
21	21	36°37'08"N	116°26'57"W	228°
22	22	36°36'16"N	116°25'[illegible]	215°
23	23	36°37'56"N	116°24'30"W	186°
24	24	36°37'42"N	116°24'19"W	188°
25	25	36°37'26"N	116°20'44"W	90°
26	26	36°36'48"N	116°23'30"W	275°
27	27	36°36'09"N	116°22'08"W	90°
28	28	36°36'08"N	116°21'18"W	90°
29	29	36°34'56"N	116°20'24"W	90°
30	30	36°35'08"N	116°19'37"W	90°
31	31	36°35'10"N	116°18'52"W	90°
32	32	36°36'09"N	116°18'00"W	90°
33	33	36°36'08"N	116°17'13"W	89°
34	34	36°34'51"N	116°18'48"W	202°
35	35	36°35'47"N	116°18'41"W	205°
36	36	36°34'08"N	116°26'27"W	163°
37	37	36°34'08"N	116°26'27"W	137°
38	38	36°34'11"N	116°25'24"W	90°
39	39	36°34'10"N	116°24'35"W	90°
40	40	36°34'11"N	116°23'50"W	90°
41	41	36°34'10"N	116°23'02"W	90°
42	42	36°34'09"N	116°21'47"W	90°
43	43	36°34'11"N	116°22'13"W	192°
44	44	36°34'03"N	116°21'26"W	90°
45	45	36°34'03"N	116°20'33"W	90°
46	46	36°34'02"N	116°19'44"W	90°
47	47	36°34'03"N	116°18'53"W	90°
48	48	36°34'04"N	116°18'07"W	90°
49	49	36°31'43"N	116°32'51"W	195°
50	50	36°32'38"N	116°30'38"W	133°
51	51	36°32'26"N	116°27'38"W	202°
52	52	36°30'51"N	116°23'31"W	236°
53	53	36°30'44"N	116°20'58"W	156°
54	54	36°30'50"N	116°19'30"W	160°
55	55	36°32'26"N	116°19'12"W	192°
56	56	36°32'51"N	116°15'48"W	192°
57	57	36°32'51"N	116°15'48"W	115°
58	58	36°32'51"N	116°15'48"W	180°
59	59	36°33'33"N	116°10'44"W	255°
60	60	36°32'10"N	116°11'36"W	261°
61	61	36°31'36"N	116°08'24"W	175°
62	62	36°30'44"N	116°12'44"W	90°
63	63	36°29'48"N	116°28'36"W	90°
64	64	36°28'36"N	116°28'24"W	162°
65	65	36°28'52"N	116°23'36"W	130°
66	66	36°27'03"N	116°23'46"W	143°
67	67	36°25'48"N	116°23'02"W	195°
68	68	36°23'50"N	116°23'56"W	180°
69	69	36°18'54"N	116°22'38"W	240°
70	70	36°22'23"N	116°18'13"W	170°
71	71	36°22'28"N	116°18'11"W	150°
72	101	36°37'27"N	116°42'38"W	185°
73	102	36°37'19"N	116°41'13"W	180°
74	103	36°35'09"N	116°38'09"W	90°
75	104	36°35'10"N	116°36'27"W	90°
76	105	36°34'08"N	116°35'58"W	90°
77	106	36°34'08"N	116°34'18"W	90°
78	107	36°34'08"N	116°32'38"W	90°
79	108	36°34'08"N	116°31'03"W	90°
80	109	36°34'08"N	116°29'17"W	90°
81	110	36°34'08"N	116°27'38"W	90°
82	111	36°33'22"N	116°27'26"W	90°
83	112	36°31'43"N	116°27'51"W	90°
84	113	36°33'14"N	116°31'03"W	90°
85	114	36°32'40"N	116°33'23"W	155°
86	115	36°30'34"N	116°32'10"W	156°
87	116	36°29'30"N	116°31'50"W	90°
88	117	36°29'29"N	116°31'10"W	90°
89	118	36°29'30"N	116°28'36"W	90°
90	119	36°29'34"N	116°27'51"W	90°
91	120	36°27'[illegible]"N	116°28'38"W	240°
92	121	36°26'18"N	116°27'18"W	243°
93	122	36°26'00"N	116°24'48"W	91°
94	123	36°26'31"N	116°23'03"W	104°
95	124	36°26'24"N	116°21'39"W	196°
96	125	36°24'47"N	116°26'46"W	241°
97	126	36°25'24"N	116°26'30"W	172°
98	127	36°25'03"N	116°24'50"W	180°
99	128	36°25'12"N	116°22'41"W	176°
100	130	36°42'52"N	116°22'41"W	180°
101	131	36°41'20"N	116°22'57"W	180°
102	132	36°40'30"N	116°25'12"W	190°
103	133	36°38'46"N	116°23'56"W	182°
104	134	36°38'54"N	116°24'38"W	188°
105	135	36°35'08"N	116°24'02"W	90°
106	136	36°34'12"N	116°25'25"W	90°
107	137	36°34'13"N	116°22'25"W	163°
108	138	36°36'08"N	116°18'0[illegible]"W	90°
109	139	36°36'08"N	116°18'01"W	180°
110	140	36°35'10"N	116°17'14"W	186°
111	141	36°34'06"N	116°18'07"W	187°
112	142	36°36'07"N	116°17'42"W	184°
113	143	36°33'05"N	116°14'12"W	184°
114	144	36°33'35"N	116°10'46"W	146°
115	145	36°31'48"N	116°14'22"W	183°
116	146	36°31'54"N	116°12'28"W	181°
117	147	36°30'50"N	116°12'23"W	288°
118	148	36°29'50"N	116°13'38"W	288°
119	149	36°28'43"N	116°13'37"W	118°
120	150	36°28'42"N	116°11'42"W	120°
121	151	36°28'42"N	116°10'08"W	120°
122	152	36°28'46"N	116°14'53"W	137°
123	153	36°27'52"N	116°13'46"W	137°
124	154	36°25'40"N	116°11'32"W	136°
125	155	36°28'43"N	116°29'23"W	90°
126	156	36°42'47"N	116°27'56"W	200°
127	157	36°42'26"N	116°27'14"W	215°
128	158	36°42'18"N	116°26'27"W	205°
129	159	36°41'30"N	116°20'50"W	202°
130	160	36°38'07"N	116°22'28"W	184°
131	161	36°36'09"N	116°32'54"W	90°
132	162	36°32'58"N	116°13'38"W	184°
133	163	36°33'[illegible]"N	116°12'22"W	182°
134	164	36°33'13"N	116°11'45"W	184°
135	165	36°31'43"N	116°13'26"W	182°



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MAGNETOMETRIC RESISTIVITY SURVEYS

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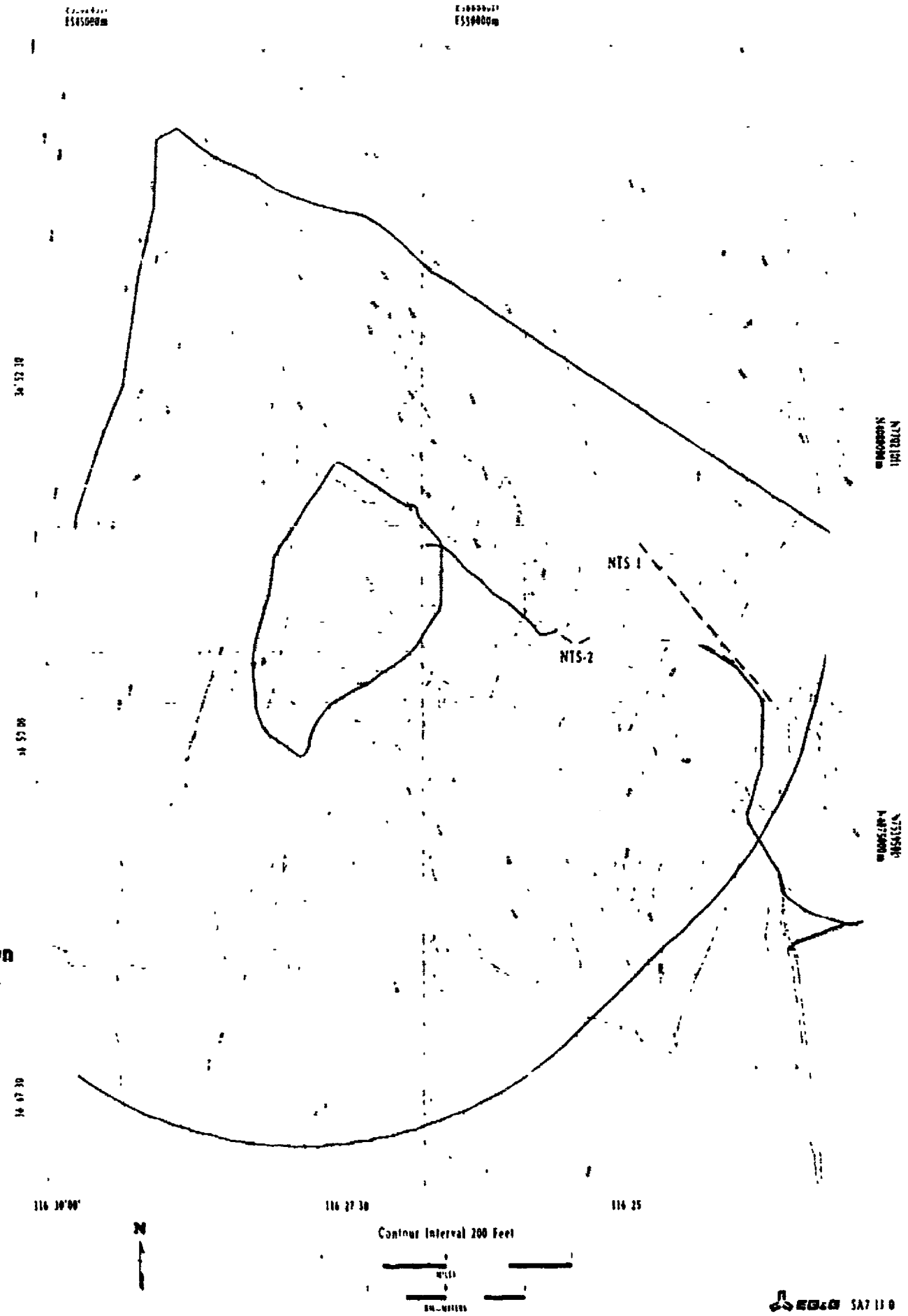
— — Magnetometric Survey Lines

Source Fitterman, D V 1982 *Magnetometric Resistivity Survey Near Fortymile Wash, Nevada Test Site, Nevada* USGS Open File Report 82-401, 27p



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APPENDIX A

INDEX MAPS

ORTHOPHOTOGRAPHY INDEX

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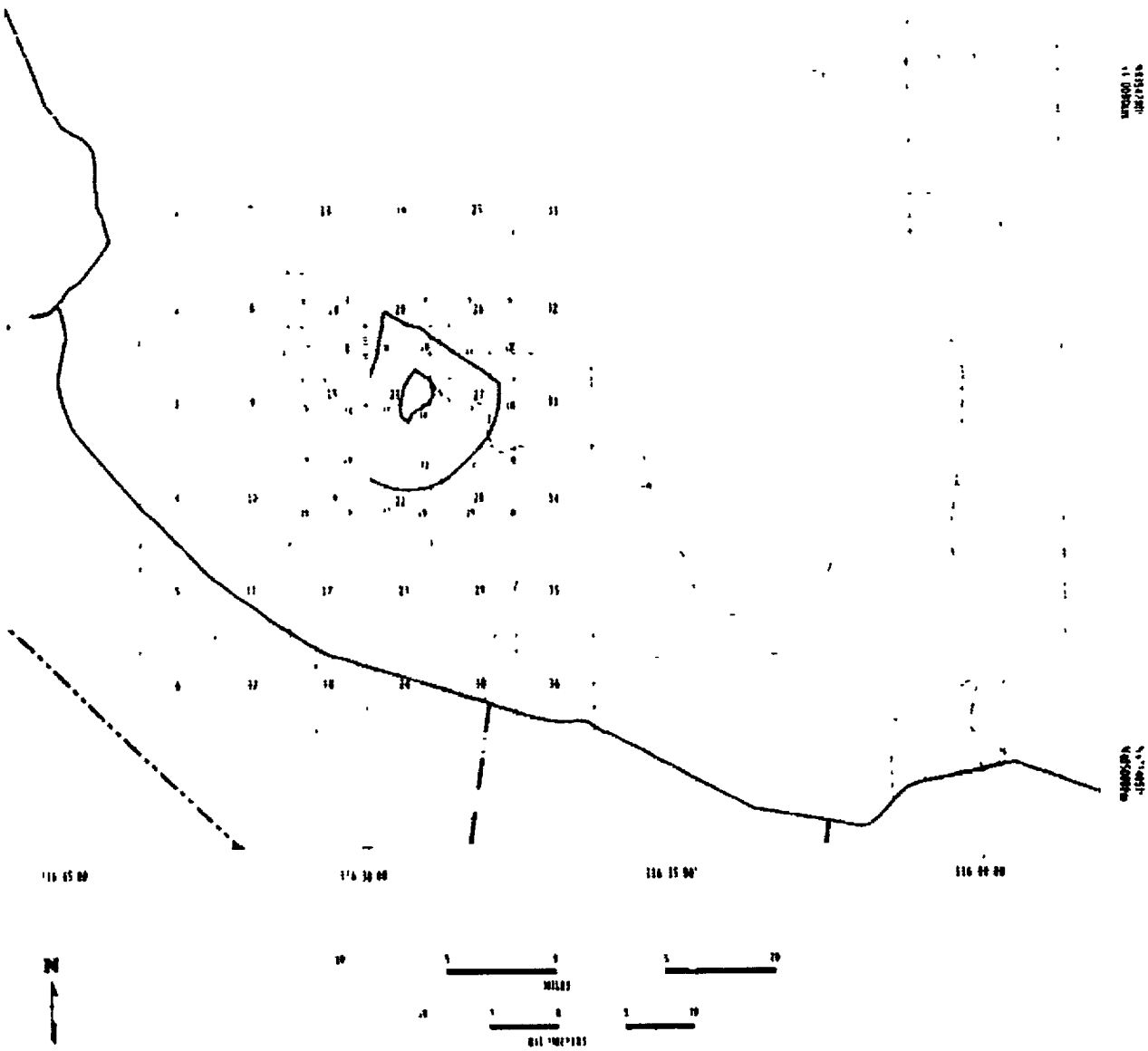
INDEXES

—— 1 6,000 Scale Orthophotograph Coverage (Shown in red)

—— 1 12,000 Scale Orthophotograph Coverage (Shown in blue)

Source This index presents the extents of orthophotograph coverage generated for the Yucca Mountain Site Characterization Project The orthophotographs were produced to provide up-to-date basemaps The 1 6,000 scale series includes thirty orthophotograph sheets The orthophotographs were prepared from 1 24,000 scale aerial photographs taken in July 1990 Digital elevation contour maps are also available at ten foot contour intervals for the 1 6,000 scale series, as well as 160 foot spacing Digital Elevation Models (DEM)

The 1 12,000 scale orthophotographs include thirty-six sheets, prepared from 1 40,000 scale color aerial photographs taken in July 1990 Digital elevation contour maps are available at twenty foot contour intervals for the 1 12,000 scale series as well as DEMs at 250 foot interval



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BEDROCK GEOLOGIC MAP INDEX

SAA-2.0

LEGEND

Frizzell, V A Jr , and J Shulters 1990 *Geologic Map of the Nevada Test Site, Southern Nevada* U.S Geological Survey Miscellaneous Investigations Map I-2046, scale 1.100,000.

Maldonado, F 1981 *Geology of the Twinridge Pluton Area, Nevada Test Site, Nevada* U S Geological Survey Open File Report 81-156, 13p

Maldonado, F 1985 *Geologic Map of the Jackass Flats Area, Nye County, Nevada* U S Geological Survey Miscellaneous Investigations Map I-1519, scale 1 48,000

Maldonado, F 1990. Geologic Map of the Northwest Quarter of the Bullfrog 15-Minute Quadrangle, Nye County, Nevada U S Geological Survey Miscellaneous Investigations Series Map I-1985, scale 1 24,000

Maldonado, F and B P Hausback 1990 *Geologic Map of the Northeast Quarter of the Bullfrog 15 Minute Quadrangle, Nye County, Nevada* U S Geological Survey Miscellaneous Investigations Map I-2049, scale 1.24,000.

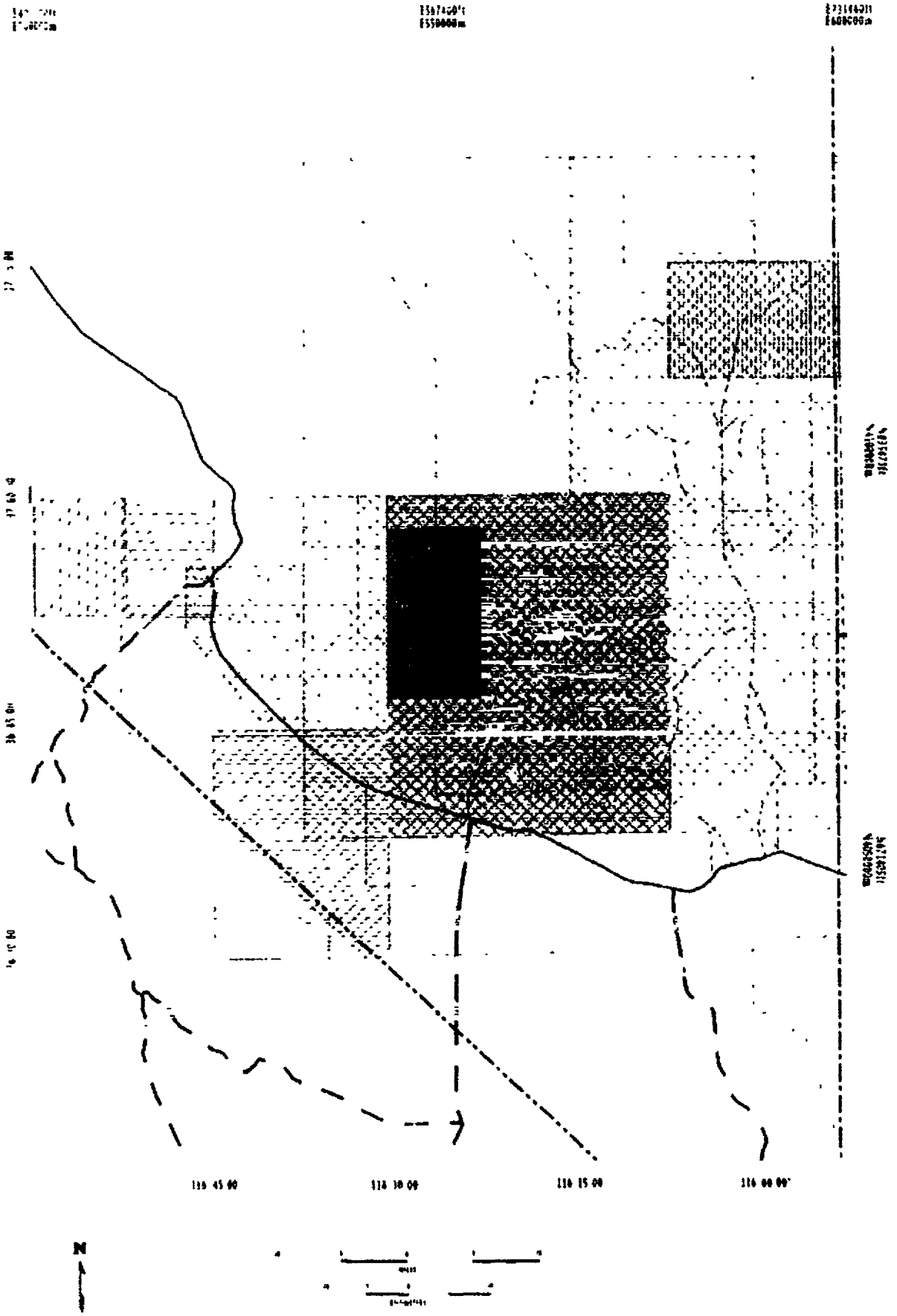
Monsen, S.A , M D. Carr, M.C. Rehis, and P.P Orkild 1990 *Geologic Map of Bare Mountain Nye County, Nevada* U S. Geological Survey Open File Report 90-25, scale 1 24,000.

Robinson, G D 1985. *Structure of Pre Cenozoic Rocks in the Vicinity of Yucca Mountain, Nye County, Nevada--A Potential Nuclear-Waste Disposal Site* U S Geological Survey Bulletin 1347, 22p

Scott R B and J Bonk 1984 *Preliminary Geologic Map of Yucca Mountain, Nevada, With Geologic Sections* U S Geological Survey Open File Report 84-494, scale 1.12,000.

Swadley, W C and W J Carr 1987 *Geologic Map of the Quaternary and Tertiary Deposits of the Big Dune Quadrangle, Nevada-California* U S Geological Survey Miscellaneous Investigations Series Map I-1767, scale 1 48,000

Source Glanzman, V M 1991 *Bibliography of Publications Related to the Yucca Mountain Site Characterization Project Prepared by U S Geological Survey Personnel Through April 1992* U S Geological Survey Open File Report 91 341, 52p



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SURFICIAL GEOLOGIC MAP INDEX

SAA-3.0

LEGEND

Swadley, W C 1983 *Surficial Geology of the Lathrop Wells Quadrangle, Nye County, Nevada* U S Geological Survey Miscellaneous Investigations Map I-1361, scale 1:48,000.

Swadley, W C. and D L Hoover 1989 *Geologic Map of the Surficial Deposits of the Topopah Spring Quadrangle, Nye County, Nevada* U S Geological Survey Miscellaneous Investigations Series Map I-2018, scale 1 24,000.

Swadley, W C. and D L. Hoover. 1989 *Geologic Map of the Surficial Deposits of the Jackass Flats Quadrangle, Nye County, Nevada.* U S Geological Survey Miscellaneous Investigations Series Map I-1994, scale 1 24,000

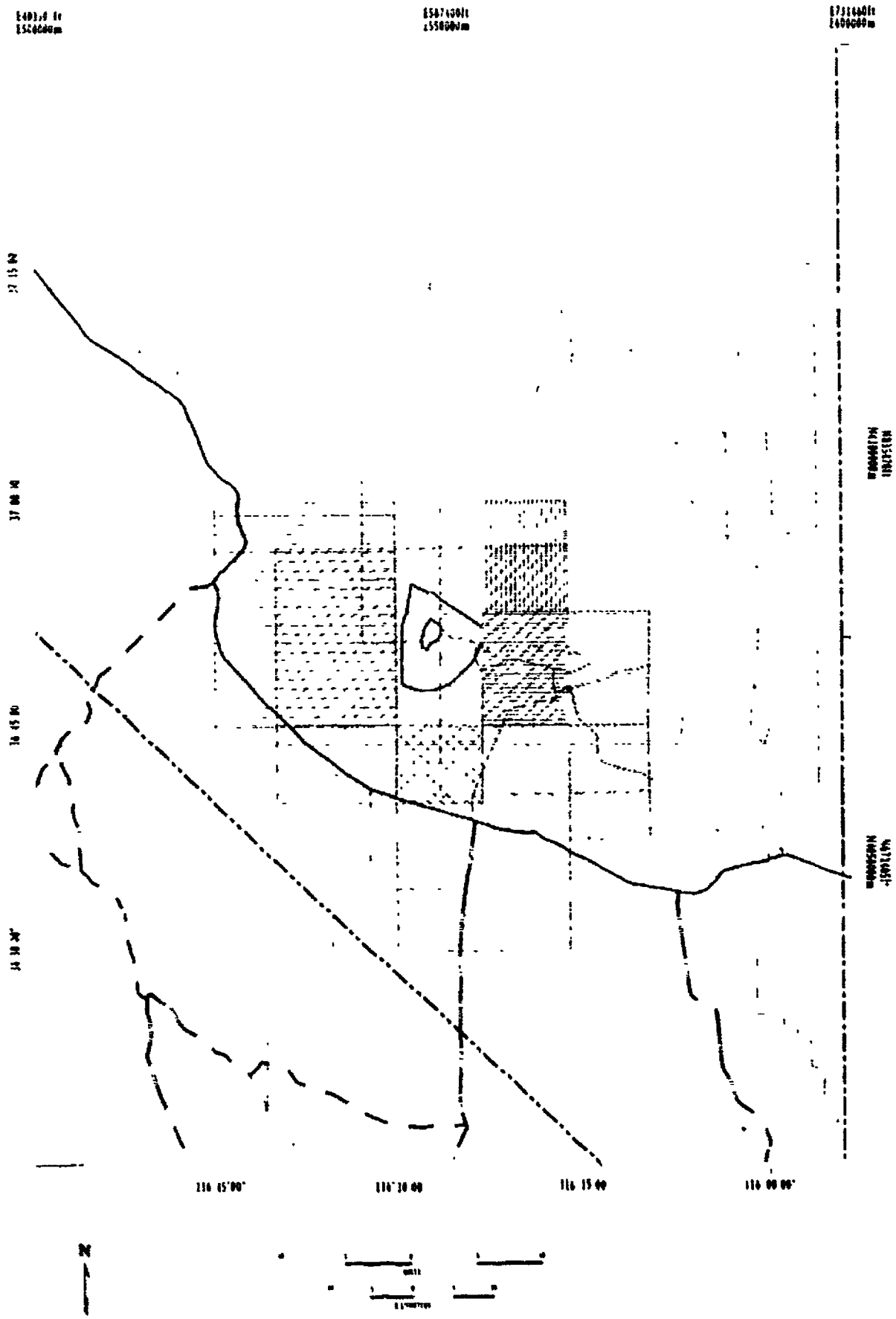
Swadley, W C , D L Hoover, and J N Rosholt 1984. *Preliminary Report on Late Cenozoic Stratigraphy and Faulting in the Vicinity of Yucca Mountain, Nye County, Nevada* U S Geological Survey Open File Report 34-788, 42p

Swadley, W C. and H E. Huckins. 1989 *Surficial Geologic Map of the Specter Range NW Quadrangle, Nye County, Nevada* U S Geological Survey Miscellaneous Investigations Series Map I-1884, scale 1:24,000

Swadley, W C and H E Huckins 1990 *Geologic Map of the Surficial Deposits of the Skull Mountain Quadrangle, Nye County, Nevada* U.S Geological Survey Miscellaneous Investigations Series Map I-1972, scale 1 24,000

Swadley W C and L D Parrish 1988 *Surficial Geology of the Bare Mountain Quadrangle, Nye County, Nevada.* U S Geological Survey Miscellaneous Investigations Series Map I-1826, scale 1:48,000

Source Glanzman, V M 1991 *Bibliography of Publications Related to the Yucca Mountain Site Characterization Project Prepared by U.S Geological Survey Personnel Through April 1992* U S Geological Survey Open File Report 91-341, 52p



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AEROMAGNETIC STUDIES MAP INDEX

SAA-4.0

LEGEND

Kane, M F and R E Bracken 1983 *Aeromagnetic Map of Yucca Mountain and Surrounding Regions, Southwest Nevada* U S Geological Survey Open File Report 83-616, 19p

Kane M F M W Webring, and B K Bhattacharyya 1981 *A Preliminary Analysis of Gravity and Aeromagnetic Surveys of the Timber Mountain Area, Southern Nevada* U S Geological Survey Open File Report 81-189, 40p

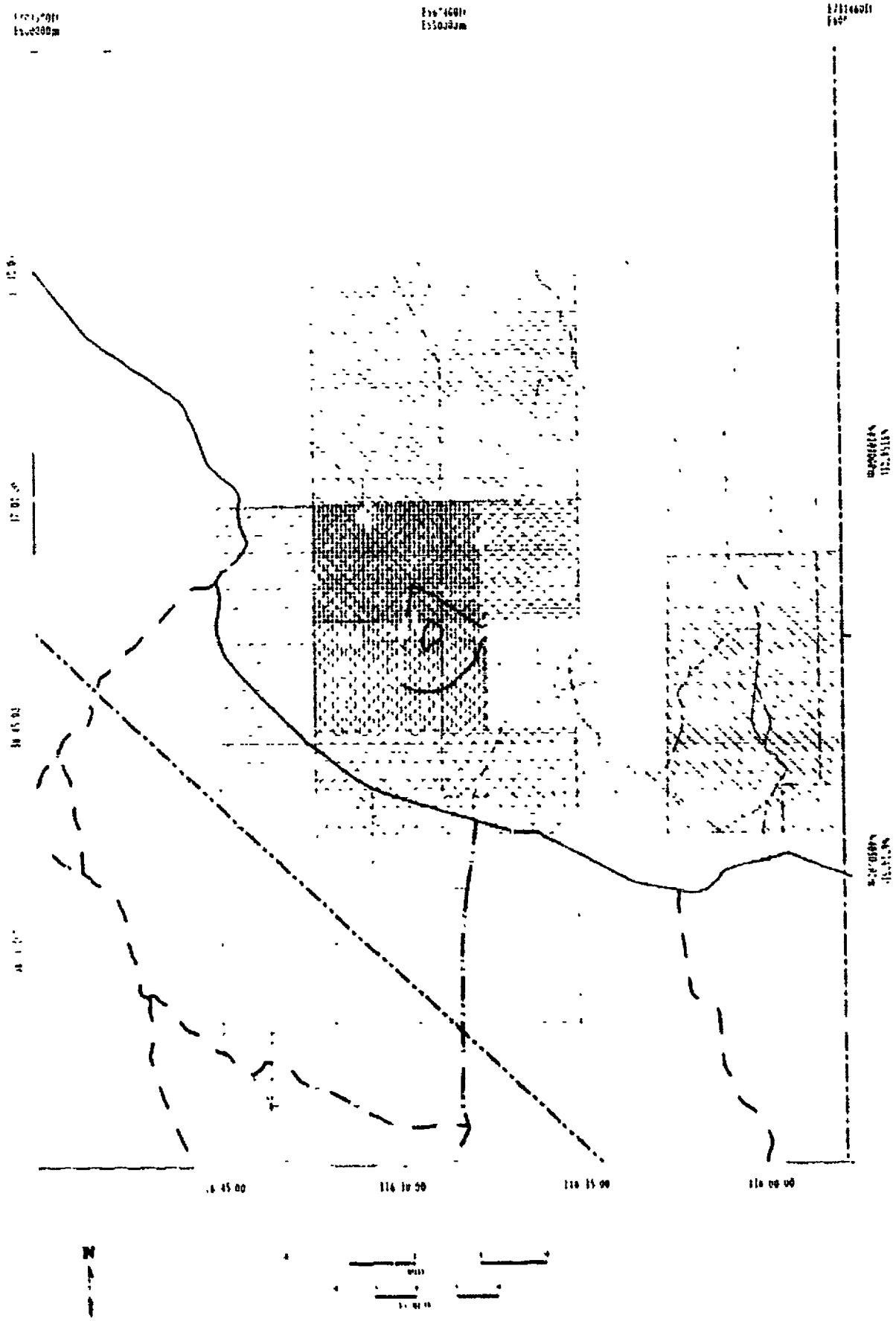
Kirchoff-Stein, K S , D A. Ponce, and B A Chuchel 1990 *Preliminary Aeromagnetic Map of the Nevada Test Site and Vicinity, Nevada* U S Geological Survey Open File Report 89-445, scale 1 100 000

Langenheim, V E , S F Carr D A Ponce, and J D Phillips, in press *Revision of an Aeromagnetic Survey of the Lathrop Wells Area, Nevada* U S Geological Survey Open File Report 91-46, scale 1 62 500

U S Geological Survey, 1984. *Aeromagnetic Map of the Yucca Mountain Area, Nevada* U S Geological Survey Open File Report 84-206, scale 1 62,500

U.S Geological Survey, 1984 *Aeromagnetic Map of the Mercury Area, Nevada* U S Geological Survey Open File Report 84-209, scale 1 62,500

Source Glanzman, V M 1991 *Bibliography of Publications Related to the Yucca Mountain Site Characterization Project Prepared by U S Geological Survey Personnel Through April 1992* U S Geological Survey Open File Report 91 341, 52p



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GRAVITY STUDIES MAP INDEX

SAA-5.0

LEGEND

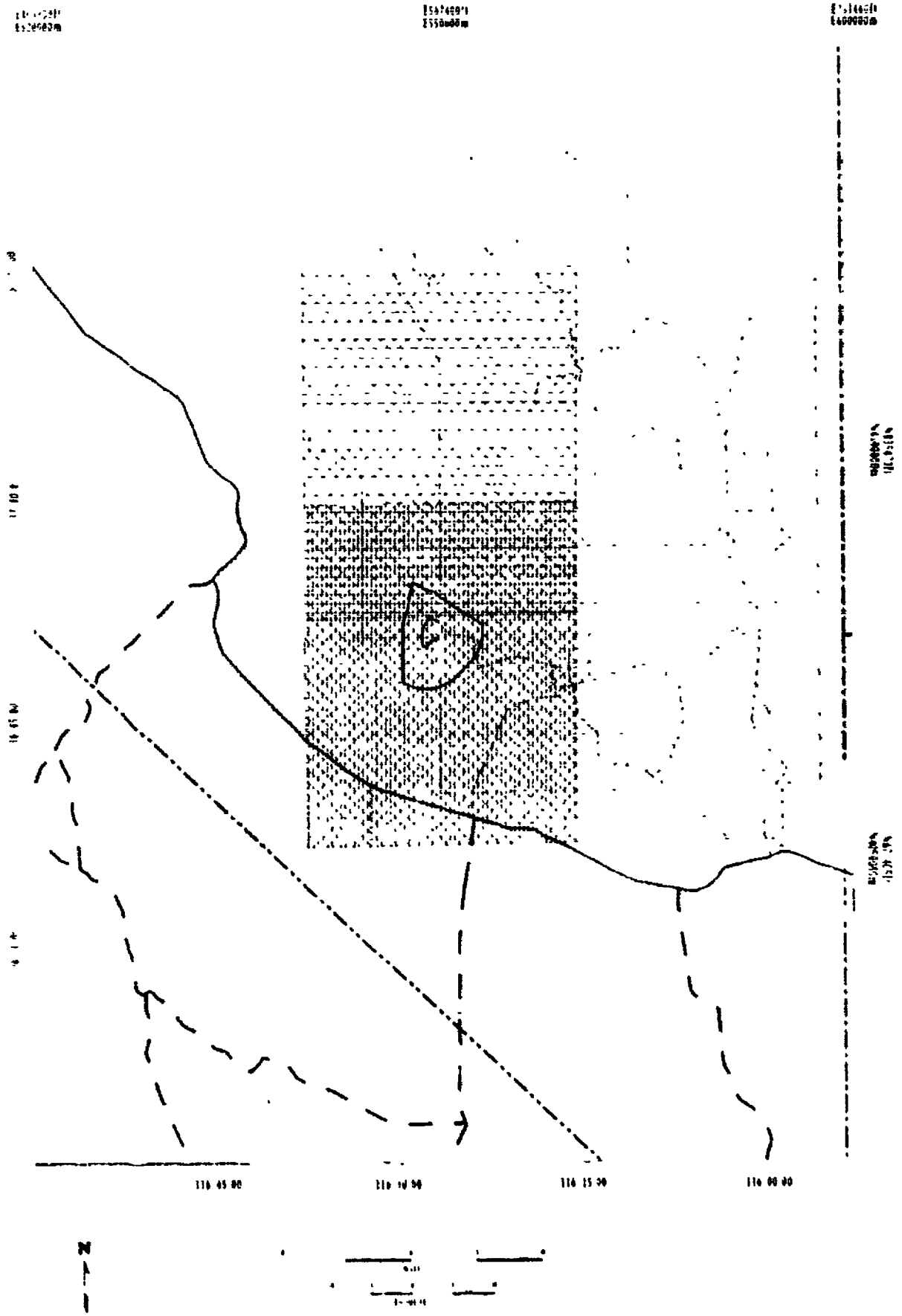
Healey, D L , R N Harris, D A Ponce, and H W Oliver 1987 *Complete Bouguer Gravity Anomaly Map of the Nevada Test Site and Vicinity, Nevada* U S Geological Survey Open File Report 87-506 scale 1 100,000

Kane, M F , M W Webring and B.K. Bhattacharyya. 1981 *A Preliminary Analysis of Gravity and Aeromagnetic Surveys of the Timber Mountain Area, Southern Nevada* U S Geological Survey Open File Report 81-189, 40p.

Ponce, D A , R N Harris, and H W Oliver 1990 *Isostatic Gravity Map of the Nevada Test Site and Vicinity* U S Geological Survey Open File Report 88-664, scale 1 100,000

Snyder, D B , and W J Carr 1982 *Preliminary Results of Gravity Investigations at Yucca Mountain and Vicinity, Southern Nye County, Nevada* U S Geological Survey Open File Report 82-701, 36p

Source Glanzman, V M 1991 *Bibliography of Publications Related to the Yucca Mountain Site Characterization Project Prepared by U S Geological Survey Personnel Through April 1992* U S Geological Survey Open File Report 91 341 52p



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APPENDIX B

STANDARD CONVERSIONS

INTERNATIONAL SYSTEM OF UNITS

The "Metric Conversion Act of 1975" declared the policy of the United States to be an increased use of the metric system of measurement on a voluntary basis with the goal [illegible]

The correct name for the "metric" system is the International System of Units, abbreviated as SI (from the name in French). This is a thoroughly modernized metric system based on very precise standards and relationships between units. SI provides a logical and consistently interrelated system of measurement for science, industry, commerce, and other areas of human effort, including, of course, navigation.

The modern metric system is built upon a foundation of seven base units, plus two supplementary units.

Quantity	SI unit name	Symbol
Length	meter †	m
Mass (weight)	kilogram	kg
Temperature	kelvin	K‡
Time	seconds	s
Electric current	ampere	A
Amount of substance	mole	mol
Luminous intensity	candela	cd
Plane angle	radian	rad
Solid angle	steradian	sr
Area	square meter	m^2
Volume	cubic meter	m^3
Density	kilogram per cubic meter	kg/m^3
Speed, velocity	meter per second	m/s
Acceleration	meter per second squared	m/s^2
Electrical field strength	volt per meter	V/m
Specific energy	joule per kilogram	J/kg
Magnetic field strength	nanotesla	nT

† The spelling in SI is "metre," but "meter" has been adopted for U.S. use.

‡ The commonly used unit of temperature is the "degree Celsius," °C (formerly called "centigrade"). The size of the unit is the same, the zero point is different. If kelvins are used, note that the unit is "kelvin (K)" and not "degree kelvin (°K)."

Quantity	SI unit name	Symbol	Expression in terms of other units
Frequency	hertz	Hz	s^{-1}
Force	newton	N	kg · m/s
Pressure, stress	pascal	Pa	N/m^2
Energy, work	joule	J	N · m
Power	watt	W	J/s
Electrical potential	volt	V	W/A
Electrical resistance	ohm	Ω	V/A

1 000 000 000	10^9	giga	G
1 000 000	10^6	mega	M
1 000	10^3	kilo	k
100	10^2	hecto	h
10	10^1	deka	da
0.1	10^{-1}	deci	d
0.01	10^{-2}	centi	c
0.001	10^{-3}	milli	m
0.000001	10^{-6}	micro	μ

degree (angle) (°) = (π/180) rad
minute (angle) (′) = (1/60) = (π/10 800) rad
second (angle) (″) = (1/60) = (π/648 000) rad
liter (l) = 10^{-3} m^3
metric ton (t) = 10^3 kg

STANDARD CONVERSION FACTORS

Known value	Multiplied by	To find
inches (in)	25.4	millimeters (mm)
feet (ft)	0.3048	meters (m)
yards (yd)	0.9144	meters (m)
statute miles (s mi)	1.609	kilometers (km)
nautical miles (n mi)	1.852	kilometers (km)
ounces, weight (oz)	28.35	grams (g)
pounds (lb)	0.4536	kilograms (kg)
ounces, liquid (oz)	30.28	milliliters (ml)
quarts (qt)	0.9464	liters (l)
gallons (gal)	3.785	liters (l)
Fahrenheit temperature (°F)	5/9 after subtracting 32	Celsius temperature (°C)

Metric units to Customary

centimeters (cm)	0.3937	inches (in)
meters (m)	3.281	feet (ft)
meters (m)	1.094	yards (yd)
kilometers (km)	0.6214	statute miles (s mi)
kilometers (km)	0.5400	nautical mi (n mi)
grams (g)	0.03527	ounce (weight) (oz)
kilograms (kg)	2.205	pounds (lb)
milliliters (ml)	0.03302	ounces (liq.) (oz)
liters (l)	1.057	quarts (qt)
liters (l)	0.2642	gallon (gal)
Celsius temperature (°C)	9/5 then add 32	Fahrenheit temperature (°F)

Source: Maloney, E. S. 1985. *Dutton's Navigation and Piloting*. 14 ed. Naval Institute Press, Annapolis, MD. pp 560-562

APPENDIX C

GAZETTEER

SITE ATLAS GAZETTEER

IE	LATITUDE	LONGITUDE	FEATURE TYPE
...ert Edith Mine	36°20'30"N	115°39'32"W	mine
...e Roasting Pit	36°28'05"N	115°14'07"W	locale
...orce Rest Camp	36°16'00"N	115°37'15"W	locale
...gosa Narrows	36°53'16"N	116°45'01"W	gap
...rgosa Flat (Alkali	36°28'23"N	116°13'40"W	flat
...rgosa Desert	36°36'07"N	116°33'22"W	flat
...rgosa River	36°14'37"N	116°51'21"W	stream
...rgosa Valley	36°38'38"N	116°23'58"W	pop place
...k Peak	36°18'09"N	115°34'25"W	summit
...Moose Springs	36°06'30"N	115°44'00"	spring
...Mining District	36°03'44"N	115°20'23"	civil
...ation	36°02'09"N	115°18'43"W	tower
...n Gypsum Mine	36°02'57"N	115°18'30"W	mine
...n	36°01'05"N	115°13'48"W	pop place
...a Mine	36°50'15"N	116°42'28"W	mine
...Well Number	36°35'32"N	116°02'18"W	well
Meadows	36°25'39"N	116°21'04"W	basin
Meadows Ming Dist	36°25'34"N	116°23'33"W	civil
Creek Spring	36°09'30"N	115°25'50"W	spring
Tree Spring	36°25'3"N	116°24'43"W	spring
Meadow	36°2'42"N	116°17'36"W	pop place
...es Peak	36°53'32"N	115°47'36"W	summit
...ell	36°58'45"N	116°00'50"W	well
...Knob	36°33'20"N	115°0'10"W	summit
...ted Ridge	36°43'54"N	115°16'34"W	ridge
... Mountain Peak	36°51'57"N	116°42'22"W	summit
... Mountain	36°50'34"N	116°40'24"W	range
...n Spot	36°54'36"N	116°09'27"W	flat
...n Butte	36°53'38"N	116°07'37"W	summit
...n Wash	36°51'50"N	116°00'40"W	stream
...n Canyon	36°42'18"N	115°16'08"W	valley
...n Spring	36°41'27"N	115°12'35"W	spring
...ly Mountain	36°54'24"N	116°44'17"W	summit
...ly Wash	36°46'36"N	116°43'12"W	stream
...ly Township	36°44'12"N	116°17'35"W	civil
...ly Springs	36°55'28"N	116°44'31"W	spring
...ly	36°54'31"N	116°45'30"W	pop place
...h The	36°54'40"N	116°06'50"W	bench
...ate	36°16'08"N	115°40'35"W	table
...pring	36°25'33"N	116°19'59"W	spring
...mber Spring	36°11'30"N	115°15'37"W	spring
...une	36°38'50"N	116°34'49"W	summit
...mith Springs	36°27'28"N	115°59'02"W	spring
Spring Range	35°54'29"N	115°23'57"W	range
...Cone	36°46'49"N	116°33'51"W	summit
...Marble	36°45'04"N	116°37'28"W	summit
...Jack Mine	36°26'31"N	116°03'38"W	mine
...Pete Gap	36°34'07"N	115°21'17"W	gap
...Gate	36°30'50"N	115°16'37"W	gap
...Ridge	36°51'30"N	116°06'31"W	ridge
...Peak	36°56'10"N	116°48'47"W	summit
...Hills	36°34'48"N	115°21'07"W	range
...Gypsum Canyon	36°52'58"N	116°25'09"W	valley
...Gate Canyon	36°30'36"N	115°18'06"W	valley
Diamond Mine	36°04'40"N	115°23'53"W	mine
Diamond	36°02'47"N	115°24'11"W	pop place
Diamond Hill	36°06'09"N	115°23'40"W	summit
Canyon	36°29'00"N	116°18'39"W	valley
Spring	36°21'48"N	116°16'13"W	spring
...nza Peak	36°21'34"N	115°44'47"W	summit
...nza Mountain	36°53'53"N	116°50'12"W	summit
...nza Village	36°10'59"N	115°09'52"W	pop place
...e Springs	36°03'33"N	115°27'09"W	pop place
...eg Spring	36°43'02"N	115°10'47"W	spring
...gger Spring	36°09'36"N	115°36'45"W	spring
...dary Butte	37°00'00"N	116°27'38"W	summit
...ville	36°28'56"N	116°02'56"W	pop place

NAME	LATITUDE	LONGITUDE	FEATURE TYPE
[illegible]	36°52'43"N	116°50'43"W	valley
Bracken	36°06'27"N	115°11'25"W	pop place
Bradford Springs	36°24'04"N	116°18'07"W	spring
Bremer Spring	36°21'48"N	116°15'43"W	spring
Bridge Mountain	36°08'06"N	115°29'23"W	summit
Bristlecone Trail	36°17'59"N	115°41'21"W	trail
Bristlecone Bridge Cave	36°37'11"N	115°11'56"W	cave
Browns Spring	36°02'01"N	115°53'16"W	spring
Brownie Basin	36°11'01"N	115°25'25"W	basin
Buck Spring	36°55'15"N	116°51'41"W	spring
Bullfrog Hills	36°57'32"N	116°49'55"W	range
Bullfrog Mountain	36°54'31"N	116°53'00"W	summit
Bullfrog	36°53'26"N	116°49'58"W	pop place
Bullfrog Ming Dist	36°57'25"N	116°48'00"W	civil
Buried Hills	36°54'14"N	116°49'23"W	range
Burrell Hot Spring	36°57'38"N	116°43'10"W	spring
Burro Basin	36°53'54"N	115°20'06"W	basin
Burton Mountain	36°55'07"N	116°47'18"W	summit
Busch Peak	36°54'34"N	116°50'24"W	summit
Busted Butte	36°46'58"N	116°25'07"W	summit
Butterfly Springs	36°25'51"N	116°18'17"W	spring
Button Springs	36°25'51"N	116°18'17"W	spring
Buttonhook Wash	36°59'35"N	116°31'15"W	arroyo
C Well	36°55'07"N	116°00'37"W	well
C P Hills	36°56'05"N	116°04'43"W	summit
C P Canyon	36°57'38"N	116°04'46"W	valley
C P Hogback	36°55'33"N	116°02'01"W	summit
Cabin Spring	36°14'38"N	115°31'26"W	spring
Cabin Spring	36°50'57"N	116°06'50"W	spring
Cactus Springs	36°34'40"N	116°43'36"W	pop place
Calico Spring	36°09'01"N	116°26'22"W	spring
Calico Basin	36°09'18"N	115°25'17"W	basin
Calico Hills	36°52'21"N	116°30'00"W	summit
Camp Desert Rock	36°37'38"N	116°01'09"W	pop place
Cane Spring	36°47'56"N	116°05'42"W	spring
Cane Spring Wash	36°47'42"N	115°57'54"W	stream
Canyon Spring	36°39'31"N	115°13'08"W	spring
Carpenter Canyon	36°10'50"N	116°47'29"W	valley
Carrara	36°48'03"N	116°47'41"W	pop place
Carrara Canyon	36°49'11"N	116°41'16"W	valley
Carson Slough	36°14'43"N	116°23'04"W	stream
Carson Marsh	36°28'13"N	116°21'21"W	swamp
Cashman Field	36°10'46"N	115°07'51"W	flat
Castle Rock	36°23'51"N	115°15'01"W	summit
Cathedral Canyon	36°00'42"N	115°51'18"W	valley
Cathedral Rock	36°15'15"N	116°38'54"W	pillar
Cathedral Rock Trail	36°15'10"N	116°38'50"W	trail
Cave Spring	36°09'58"N	115°35'46"W	spring
Caybark Spring	36°09'58"N	115°33'02"W	spring
Cayton Well	36°12'48"N	116°00'28"W	well
CC Spring	36°08'31"N	115°35'27"W	spring
Center Springs	36°11'36"N	115°35'07"W	spring
Charleston Ming Dist	36°17'55"N	115°33'08"W	civil
Charleston Peak Trail	36°17'14"N	115°40'19"W	trail
Charleston Peak	36°16'20"N	115°41'39"W	summit
Checkpoint Pass	36°41'05"N	115°58'45"W	gap
Cherry Spring	36°51'37"N	115°05'58"W	spring
Chocolate Mountain	36°56'25"N	116°29'04"W	summit
Chowderhead Canyon	36°53'20"N	116°17'13"W	valley
Chuckwalla Guzzler	36°56'05"N	115°20'40"W	reservoir
Chuckwalla Canyon	36°51'24"N	116°36'05"W	valley
Chukar Canyon	36°59'25"N	116°21'37"W	valley
Clam Canyon	36°54'42"N	116°28'10"W	valley
Clark Spring	36°19'09"N	115°43'09"W	spring
Clark Canyon	36°18'55"N	116°49'20"W	valley
Coal Spring	36°08'43"N	116°37'08"W	spring
Cockscomb Ridge	36°16'31"N	115°38'55"W	ridge
Cold Creek Spring	36°24'53"N	115°44'23"W	spring

SITE ATLAS GAZETTEER

NAME	LATITUDE	LONGITUDE	FEATURE TYPE
Cold Creek	36°28'20"N	115°45'16"W	stream
Column Cave	36°17'07"N	116°08'57"W	cave
Comb Peak	36°54'47"N	116°24'12"W	summit
Conejo Canyon	36°57'14"N	116°44'35"W	valley
Congress Mine	36°24'57"N	116°04'56"W	mine
Connolys Well	36°14'53"N	115°00'44"W	well
Corkscrew Canyon	36°28'20"N	115°17'57"W	valley
Corn Creek	36°25'15"N	115°22'51"W	pop place
Corn Creek Springs	36°28'21"N	115°21'28"W	spring
Corn Creek Well	36°27'53"N	115°23'54"W	locale
Corn Creek Dunes	36°26'25"N	115°21'21"W	summit
Corn Creek Well	36°27'53"N	115°23'54"W	locale
Cottonwood Valley	36°01'46"N	115°23'58"W	valley
Cottonwood Lake	36°19'27"N	115°15'58"W	lake
Cottonwood Spring	36°02'44"N	115°24'20"W	spring
Cougar Springs	36°24'30"N	115°47'47"W	spring
Cow Camp Spring	36°35'02"N	115°18'20"W	spring
Cow Spring	36°07'[illegible]"N	115°04'31"W	spring
Coyote Spring	3[illegible]°44'36"N	115°03'48"W	spring
Crater Flat Wash	36°42'30"N	116°33'20"W	arroyo
Crater Flat	36°47'26"N	116°36'12"W	flat
Crescent Cliff	36°52'00"N	116°40'21"W	cliff
Crossgrain Valley	36°41'54"N	115°52'23"W	basin
Crowell Mine	36°52'59"N	116°41'34"W	mine
Crystal Spring	36°25'48"N	115°58'16"W	spring
Crystal Marsh	36°23'38"N	116°18'48"W	swamp
Crystal Pool	36°25'15"N	116°18'18"W	spring
Crystal Reservoir	36°24'26"N	116°19'28"W	reservoir
Crystal Tank	36°00'07"N	115°29'13"W	reservoir
Crystal Springs	36°58'11"N	116°45'0[illegible]"W	spring
Curve Well	36°36'09"N	116°55'33"W	well
D H Well	36°25'29"N	116°17'14"W	well
Daisy Mine	36°52'26"N	116°41'44"W	mine
Davis Ranch Spring	36°23'59"N	116°18'07"W	spring
De Jesus Spring	36°51'32"N	115°34'16"W	spring
Dead Horse Ridge	36°47'36"N	115°15'58"W	ridge
Dead Horse Trail	36°46'13"N	115°12'00"W	trail
Deadman Spring	36°44'42"N	115°12'36"W	spring
Deadman Canyon	36°37'48"N	115°17'01"W	valley
Deer Creek Trail	36°17'17"N	115°38'45"W	trail
Deer Pasture	36°15'29"N	115°26'02"W	meadow
Deer Creek Spring	36°18'29"N	115°37'39"W	spring
Deer Creek	36°26'08"N	115°28'34"W	stream
Delirium Canyon	36°55'14"N	116°22'29"W	valley
Denver Mine	36°53'49"N	116°50'31"W	mine
Desert Valley	36°57'18"N	116°15'36"W	valley
Desert Willow Lake	36°19'25"N	115°15'56"W	lake
Desert Cave	36°07'16"N	115°25'50"W	cave
Desert View Point	36°18'44"N	116°36'07"W	pop place
Desert Hills	37°03'38"N	115°21'56"W	range
Desert Lake	36°58'39"N	115°13'32"W	flat
Desert Range	36°50'26"N	115°20'15"W	range
Devils Hole	36°25'31"N	116°17'24"W	spring
Devils Thumb	36°16'51"N	115°41'36"W	pillar
Devils Hole Cave	36°25'36"N	116°17'29"W	cave
Devils Hole Hills	36°19'40"N	116°10'4[illegible]"W	range
Diamond Queen Mine	36°50'17"N	116°38'07"W	mine
Dolomite Spring	36°26'34"N	116°02'04"W	spring
Dog Bone Lake	36°53'43"N	115°27'05"W	flat
Dome Mountain	36°56'05"N	116°23'42"W	summit
Dome Montgomery Pass	36°54'53"N	116°46'27"W	gap
Drill Hole 4	36°50'46"N	116°01'08"W	locale
Dry Lake Spring	36°57'22"N	116°09'09"W	spring
Dry Canyon	36°53'08"N	116°44'57"W	valley
Duck Creek	36°05'27"N	115°00'05"W	stream
Eagle Roost Radio T	36°41'32"N	115°58'03"W	tower
East Fork Scarp Cyn	36°59'33"N	115°55'41"W	alley

NAME	LATITUDE	LONGITUDE	FEATURE TYPE
East Sandy Wash	36°41'50"N	116°48'46"W	stream
East Desert Range	36°51'30"N	115°15'32"W	range
East Las Vegas	36°06'40"N	115°02'28"W	pop place
Eastland Heights	36°11'32"N	115°11'14"W	pop place
Echo Cliff	36°15'02"N	115°38'38"W	cliff
Edna Grey Spring	36°19'14"N	115°40'44"W	spring
Elbow Range	36°47'20"N	114°58'44"W	ridge
Embry Well	36°24'48"N	116°25'12"W	well
Every Well	36°04'27"N	115°08'40"W	well
Ewe Canyon	36°29'50"N	115°18'56"W	valley
Fairbanks Spring	36°29'25"N	116°20'28"W	spring
Falcon Hills	37°02'23"N	115°36'13"W	summit
Falls Trail	36°18'21"N	116°40'06"W	trail
First Canyon	36°27'37"N	116°17'14"W	valley
First Creek	36°04'47"N	115°28'22"W	stream
First Creek Spring	36°04'46"N	115°28'26"W	spring
Five A Well	36°46'36"N	115°57'30"W	well
Five C Well	36°47'08"N	115°57'44"W	well
Flamingo Wash	36°08'26"N	115°03'05"W	stream
Fletcher Peak	36°17'13"N	116°37'16"W	summit
Fletcher Spring	36°16'26"N	115°37'46"W	spring
Fletcher Canyon	36°15'54"N	116°38'34"W	valley
Fluorine	36°53'11"N	116°41'46"W	pop place
Fluorine Mng Dist.	36°51'53"N	116°36'57"W	civil
Fluorspar Canyon	36°53'37"N	116°44'24"W	valley
Forest Spring	36°26'08"N	116°16'4[illegible]"W	spring
Forty-mile Wash	36°28'03"N	116°32'0[illegible]"W	stream
Forty-mile Canyon	36°47'25"N	116°23'48"W	valley
Fossil Ridge	36°26'27"N	115°13'12"W	ridge
Foxtail Canyon	36°18'15"N	115°40'10"W	valley
Fred Bowers Mine	36°27'01"N	116°02'56"W	mine
French Peak	36°54'48"N	115°57'02"W	summit
Frenchman Flat	36°49'48"N	115°58'11"W	flat
Frenchman Mine	36°08'08"N	115°00'08"W	mine
Frenchman Range	36°08'33"N	114°57'55"W	range
Frenchman Lake	36°48'17"N	115°58'16"W	lake
G Well	36°46'02"N	116°01'04"W	well
Gatorn Tank Spring	36°08'32"N	115°35'20"W	spring
Ga[illegible] Spring	36°25'34"N	115°09'50"W	spring
Gass Peak	36°24'02"N	115°10'46"W	summit
Gass Peak Mng Dist	36°22'18"N	115°10'26"W	civil
Gass Peak Mng Dist	36°22'18"N	116°10'26"W	civil
George P Brooks Well	36°12'47"N	1[illegible]°58'47"W	well
Gibraltar Mine	36°53'51"N	116°58'01"W	mine
Gold Spring	36°27'51"N	116°57'34"W	spring
Gold Bar	36°56'17"N	116°53'33"W	pop place
Gold Ace Mine	36°49'58"N	116°42'10"W	mine
Gold Bar Mine	36°56'18"N	116°53'22"W	mine
Gold Center	36°52'08"N	116°46'56"W	pop place
Goodwater Spring	36°18'59"N	116°31'23"W	spring
Goodwater Canyon	36°18'24"N	116°29'12"W	valley
Goss Springs	36°56'46"N	116°42'52"W	spring
Grand Junction Mine	36°50'05"N	116°38'46"W	mine
Grapevine Canyon	36°17'33"N	116°28'28"W	valley
Grapevine Spring	36°51'04"N	116°05'50"W	spring
Grapevine Springs	36°27'27"N	116°01'36"W	spring
Grapevine Springs	36°08'31"N	116°04'20"W	spring
Grassy Canyon	36°20'22"N	115°37'06"W	valley
Grassy Spring	36°20'23"N	115°28'56"W	spring
Gravel Canyon R	36°54'03"N	116°36'13"W	reservoir
Gravel Canyon	36°54'00"N	116°36'28"W	valley
Griffith Mine	36°16'16"N	115°58'11"W	mine
Griffith Peak	36°13'57"N	115°38'43"W	summit
Griffith Peak Trail	36°14'20"N	115°38'58"W	trail
Griffith Peak Trail	36°13'13"N	115°2[illegible]'48"W	trail
Group Springs	36°03'33"N	115°08'22"W	spring
Halfpint Range	37°09'48"N	115°27'38"W	range
Hampel Wash	36°44'52"N	116°01'12"W	arroyo

SITE ATLAS GAZETTEER

NE	LATITUDE	LONGITUDE	FEATURE TYPE
pel Hill	36°45'31"N	116°05'34"W	summit
s Mountain	36°14'29"N	115°38'38"W	summit
s Springs Cyn	36°18'07"N	115°23'02"W	valley
s Springs	36°14'35"N	115°32'27"W	spring
ey Mine	36°5[illegible]'44"N	116°40'19"W	mine
ord Peak	36°39'26"N	115°11'59"W	summit
rard Well	36°40'15"N	115°32'43"W	well
ferson	36°02'23"N	114°58'52"W	pop place
en Valley	36°33'04"N	114°56'57"W	basin
en Forest R	36°38'33"N	115°13'12"W	ridge
Peak	36°15'04"N	116°08'00"W	summit
ges	36°09'13"N	115°01'14"W	pop place
Spring	36°58'38"N	115°16'57"W	spring
estake Mine	36°58'21"N	116°53'23"W	mine
gan Mine	36°52'25"N	116°59'44"W	mine
er City	36°11'47"N	115°07'57"W	pop place
Silver Mine	36°49'36"N	116°09'46"W	mine
e Springs	36°18'06"N	115°52'58"W	spring
e Canyon	36°35'11"N	115°09'11"W	valley
eshoe R	36°24'18"N	116°20'27"W	reservoir
eshoe Marsh	36°25'08"N	116°20'54"W	swamp
eshulem S	36°26'35"N	115°59'58"W	spring
Springs	36°58'37"N	116°13'17"W	spring
s Canyon	36°08'46"N	115°29'22"W	valley
n Canyon R	36°56'31"N	115°32'57"W	reservoir
n Springs	36°34'11"N	115°40'11"W	pop place
n Springs V	36°34'26"N	115°52'04"W	valley
n Canyon	36°56'56"N	115°30'58"W	valley
n Rock S	36°24'05"N	116°16'26"W	spring
n Spring	36°09'08"N	115°05'44"W	spring
n Garden S	36°27'47"N	116°18'59"W	spring
n Ridge	36°30'17"N	115°38'46"W	ridge
n Spring	36°25'32"N	116°18'48"W	spring
ndent S	36°09'47"N	115°44'02"W	spring
lge Mine	36°14'03"N	115°22'15"W	mine
Tank	36°45'53"N	116°23'26"W	reservoir
ah Springs	36°12'16"N	115°58'03"W	spring
ave Well	36°45'54"N	116°23'28"W	well
ass Flats	36°48'04"N	116°18'45"W	flat
ass Divide	36°53'33"N	116°12'33"W	gap
abun Spring	36°23'23"N	116°16'40"W	spring
rd Spring	36°29'14"N	115°58'53"W	spring
Mary Guzzler	36°31'51"N	115°18'14"W	reservoir
Mary Canyon	36°30'28"N	115°19'06"W	valley
ne Mine	36°27'46"N	116°02'51"W	mine
ne Mng Dist	36°26'30"N	116°03'37"W	civil
ne Range	36°24'58"N	116°08'00"W	range
ne	36°25'11"N	116°04'15"W	pop place
s Peak	36°41'00"N	115°11'[illegible]"W	summit
s Canyon	36°43'54"N	115°11'51"W	valley
ge Hollow	36°54'31"N	116°37'36"W	valley
Bug Mine	36°22'10"N	115°10'18"W	mine
etown	36°16'56"N	115°03'30"W	pop place
D Radio T	36°08'17"N	115°09'42"W	tower
Mine	36°53'38"N	116°50'10"W	mine
Spring	36°09'49"N	115°43'28"W	spring
Mesa	36°51'18"N	116°13'00"W	summit
Radio T	36°09'27"N	115°08'22"W	tower
Radio T	36°08'18"N	115°09'25"W	tower
up Spring	36°28'21"N	116°02'14"W	spring
Spring	36°12'18"N	115°08'28"W	spring
Canyon	36°17'41"N	115°16'40"W	valley
Canyon	36°15'08"N	115°37'38"W	pop place
adre Mountain	36°12'48"N	116°27'32"W	summit
Camp	36°27'03"N	116°03'20"W	pop place
Mine	36°27'09"N	116°03'25"W	mine
Mountain	36°53'45"N	116°49'17"W	summit

NAME	LATITUDE	LONGITUDE	FEATURE TYPE
[illegible] Spring	36°10'56"N	115°30'15"W	spring
Lamb Spring	36°56'42"N	115°08'24"W	spring
Las Vegas Valley	35°54'44"N	115°07'08"W	valley
Las Vegas Wash	36°07'56"N	114°52'41"W	stream
Las Vegas Township	36°08'48"N	115°09'14"W	civil
Las Vegas Range	36°34'17"N	115°02'08"W	range
Las Vegas	36°10'30"N	115°08'11"W	pop place
Last Chance R	36°17'00"N	116°00'20"W	range
Last Chance S	36°21'24"N	116°16'23"W	spring
Lathrop Wells Cone	36°41'20"N	116°30'40"W	summit
Lee Mining District	36°37'06"N	116°39'05"W	civil
Lee Canyon	36°24'00"N	115°34'00"W	valley
Lee Spring Cyn	36°12'54"N	115°45'30"W	valley
Lee Canyon	36°19'16"N	115°39'47"W	pop place
Lee Spring	36°13'41"N	115°42'39"W	spring
Leeland	36°35'10"N	116°35'07"W	pop place
Lees Spring	36°14'52"N	115°42'49"W	spring
Lemic Ridge	36°56'10"N	116°15'55"W	ridge
Little Falls	36°15'18"N	115°30'18"W	falls
Little Cones	36°46'16"N	116°36'19"W	summit
Little Joe May Cyn	36°30'42"N	115°18'22"W	valley
Little Sault Mtn	36°43'23"N	116°15'43"W	summit
Lone Grapevine S	36°01'11"N	115°27'29"W	spring
Lone Mountain	36°14'18"N	115°18'56"W	summit
Lone Willow S	36°03'52"N	115°26'23"W	spring
Long Valley	36°29'33"N	115°15'08"W	valley
Longstreet Spring	36°27'53"N	116°19'22"W	spring
Lookout Peak	36°51'20"N	116°10'03"W	summit
Lost Cabin S	36°04'57"N	115°39'09"W	spring
Lost Creek Cyn	36°09'36"N	115°29'59"W	valley
Lost Lake	36°09'37"N	115°26'52"W	flat
Lovell Wash	35°59'10"N	115°40'30"W	stream
Lovell Canyon	36°02'35"N	115°37'00"W	valley
Lovell Summit	36°09'59"N	115°36'15"W	gap
Lower Indian S	36°56'42"N	116°47'44"W	spring
Lower Deer Creek	36°20'29"N	115°35'36"W	spring
Lower Deadman S	36°37'19"N	115°16'26"W	spring
Lower White Blotch	36°25'44"N	115°13'38"W	spring
Lower Ranch	36°03'45"N	115°38'33"W	spring
Lucky Strike Cyn	36°25'06"N	115°27'12"W	valley
Lucky Strike Mine	36°20'06"N	115°32'20"W	mine
Lucky Jack Mine	36°55'01"N	116°48'05"W	mine
Macas Canyon	36°24'06"N	115°59'22"W	valley
Maer Spring	36°27'48"N	116°18'55"W	spring
Manse Ranch	36°09'16"N	115°53'24"W	spring
Manse	36°09'17"N	116°54'06"W	pop place
Mara Wash	36°48'17"N	116°00'42"W	stream
Marsh Spring	36°25'39"N	116°18'51"W	spring
Mary Jane Falls	36°16'46"N	115°40'13"W	falls
Mary Scott	36°26'16"N	116°18'25"W	spring
Mason Spring	36°55'01"N	116°50'05"W	spring
Massachusetts Mtn	36°53'34"N	115°59'08"W	summit
Mayflower Mine	36°59'44"N	116°47'25"W	mine
Maze Canyon	36°15'26"N	115°38'35"W	valley
Maze Spring	36°14'40"N	115°39'15"W	spring
McCullough Range	35°54'57"N	115°02'51"W	range
McFarland Canyon	36°25'19"N	115°42'26"W	valley
McFarland Spring	36°12'56"N	115°44'32"W	spring
McFarland Peak	36°20'29"N	115°43'29"W	summit
McWilliams Spring	36°18'38"N	115°40'53"W	spring
Mecca Well	36°29'38"N	116°25'24"W	well
Meklejohn Peak	36°52'58"N	116°39'42"W	summit
Mercury Mine	36°59'32"N	116°08'32"W	mine
Mercury Ridge	36°4[illegible]"N	115°54'49"W	ridge
Mercury Valley	36°37'00"N	116°01'00"W	basin
Mercury	36°39'38"N	115°59'37"W	pop place
Mesquite Springs	36°33'38"N	115°45'40"W	spring
Mesquite Spring	36°34'35"N	115°43'38"W	spring

SITE ATLAS GAZETTEER

NAME	LATITUDE	LONGITUDE	FEATURE TYPE
Mesquite Well	36°07'26"N	115°04'40"W	well
Mexican Spring	36°25'55"N	116°18'33"W	spring
Mexican Mine	36°46'02"N	116°38'25"W	mine
Mid Valley	36°54'03"N	116°07'38"W	valley
Middle Indian Spring	36°50'59"N	116°47'56"W	spring
Miller Well No. 2	36°32'17"N	116°13'56"W	well
Millers Well No. 1	36°34'25"N	116°26'36"W	well
Mine Mountain	36°59'26"N	116°09'39"W	summit
Mine Mountain Mng Dist.	36°59'15"N	116°08'50"W	civil
Mineral Flat	36°26'16"N	116°04'29"W	flat
Mome Cave	36°18'18"N	116°08'55"W	cave
Monitor Range	38°48'51"N	116°33'39"W	range
Monogomery-Shoshone	36°54'52"N	116°48'23"W	mine
Montgomery Mount	36°24'49"N	116°05'34"W	summit
Monogomery Mountain	36°54'39"N	116°48'32"W	summit
Moonshine Spring	36°01'22"N	115°27'43"W	spring
Mormon Green Springs	36°03'18"N	115°16'09"W	spring
Mormon Pass	36°37'21"N	116°06'39"W	gap
Mormon Well	36°38'39"N	115°06'44"W	well
Mound Spring	36°05'44"N	115°54'58"W	spring
Mount Charleston	36°18'01"N	115°38'20"W	trail
Mount Charleston	36°18'26"N	115°38'31"W	pop place
Mountain Springs	36°01'25"N	115°30'15"W	spring
Mountain Springs Summit	36°01'01"N	115°30'12"W	gap
Mud Spring Number One	36°01'49"N	115°26'53"W	spring
Mud Spring Number Two	36°01'33"N	115°26'33"W	spring
Mud Hole Spring	36°22'50"N	115°33'57"W	spring
Mud Springs	36°58'48"N	116°51'28"W	spring
Mulberry Lake	36°19'29"N	115°16'54"W	lake
Mule Spring	36°01'53"N	115°34'48"W	spring
Mule Deer Ridge	36°48'44"N	115°10'36"W	ridge
Mummy Mountain	36°17'58"N	115°38'52"W	summit
Mummy Spring	36°17'48"N	115°38'14"W	spring
Narrow Canyon	36°42'31"N	115°53'32"W	valley
Narrows, The	36°11'14"N	115°34'38"W	gap
National Bank Mine	36°53'58"N	116°48'28"W	mine
Nelson Wash	36°50'27"N	116°03'44"W	stream
NTS Area 11	36°58'17"N	116°57'18"W	locale
NTS Area 401	36°49'11"N	116°10'15"W	locale
NTS Area 5	36°48'55"N	116°03'21"W	locale
NTS Area 30	37°00'48"N	116°20'34"W	locale
NTS Area 16	37°02'43"N	116°11'36"W	locale
NTS Area 6	36°55'29"N	116°04'32"W	locale
NTS	36°50'05"N	116°18'36"W	locale
NTS Area 400	36°49'50"N	116°17'15"W	area
Nevin Nob	36°56'40"N	116°02'56"W	summit
Nevin Wash	36°36'15"N	115°53'15"W	stream
Nuggerhead Peak	36°39'07"N	116°09'25"W	summit
North Las Vegas Township	36°12'38"N	115°08'02"W	civil
North Ridge	36°40'45"N	115°52'26"W	summit
North Las Vegas	36°11'58"N	115°07'00"W	pop place
North Fork Sawmill Cyn	36°40'57"N	115°08'09"W	valley
North Fork Deer Creek	36°20'50"N	115°36'31"W	stream
Nye Canyon	36°54'26"N	115°53'24"W	valley
Oak Creek	36°06'05"N	116°27'46"W	stream
Oak Creek Spring	36°06'09"N	115°26'52"W	spring
Oak Spring	36°24'42"N	115°48'48"W	spring
Oasis Valley	36°55'00"N	116°45'30"W	valley
One Well	36°48'45"N	115°54'15"W	well
Original Bullfrog Mine	36°54'04"N	116°53'02"W	mine
Original	36°53'57"N	116°52'49"W	pop place
Overfield Mine	36°27'36"N	116°02'56"W	mine
Pahrump Spring	36°22'42"N	115°58'41"W	spring
Pah Canyon	36°56'31"N	116°22'28"W	valley
Pahranagat Wash	36°44'13"N	114°44'22"W	stream
Pahrump Valley	36°00'00"N	115°54'00"W	valley
Pahrump Springs	36°12'26"N	115°58'48"W	spring

NAME	LATITUDE	LONGITUDE	FEATURE TYPE
Pahrump Township	36°05'56"N	116°00'40"W	civil
Pahrump	36°12'30"N	115°58'58"W	pop place
Paintbrush Canyon	36°52'41"N	116°24'39"W	valley
Panama Mine	36°49'36"N	116°36'27"W	mine
Paradise Valley	36°06'15"N	115°05'08"W	valley
Paradise Mountain	36°54'32"N	116°48'06"W	summit
Paradise	36°05'50"N	115°08'46"W	pop place
Parent Springs	36°[illegible]7'46"N	116°18'54"W	spring
Pavits Spring	36°45'25"N	116°04'57"W	spring
Peak Spring	36°15'40"N	115°41'48"W	spring
Peek-a-boo Canyon	36°30'16"N	115°08'24"W	valley
Pe[illegible]ne Spring	36°42'17"N	116°08'52"W	spring
Perkins No. 2 Reservoir	36°42'40"N	116°00'09"W	reservoir
Perlite Canyon	36°56'45"N	116°45'12"W	valley
Peterson Reservoir	36°26'53"N	116°21'20"W	reservoir
Picture Canyon	36°33'40"N	115°18'56"W	alley
Pine Creek	36°07'18"N	115°28'10"W	stream
Pine Creek Spring	36°07'18"N	115°28'31"W	spring
Pine Spring	36°38'50"N	115°15'57"W	spring
Pine Canyon	36°39'54"N	115°16'44"W	valley
Pink Holes Hill	36°44'37"N	116°01'40"W	summit
Pinnacles Ridge	36°56'25"N	116°26'36"W	ridge
Pinkwater Cave	36°47'40"N	115°34'07"W	cave
Pinkwater Range	36°56'26"N	115°33'41"W	range
Pinyon Pass	36°56'42"N	116°28'24"W	gap
Pioneer Rock	36°18'21"N	116°40'03"W	rider
Pluto Valley	36°50'38"N	116°08'48"W	basin
Plutonium Valley	36°55'30"N	115°56'30"W	valley
Pocket Canyon	36°52'58"N	116°16'50"W	valley
Point of Rocks	36°30'48"N	116°04'23"W	pillar
Point of Rocks Springs	36°24'05"N	116°18'21"W	spring
Point Spring	36°03'07"N	115°27'14"W	spring
Porter Mine	36°46'36"N	116°53'58"W	mine
Prospect Springs	36°14'18"N	115°30'43"W	spring
Prospector Pass	36°58'15"N	116°35'25"W	gap
Prow, The	36°54'19"N	116°29'10"W	summit
Prow Pass	36°54'51"N	116°29'29"W	gap
Puddle Peak	36°54'14"N	115°58'33"W	summit
Pumping Station 3	36°43'06"N	115°58'18"W	locale
Pumping Station Four	36°42'11"N	115°58'19"W	locale
Pumping Station 2	36°44'31"N	115°58'11"W	locale
Purgatory Spring Well	36°28'19"N	116°18'55"W	well
Quail Spring	36°27'12"N	115°08'13"W	spring
Quartz Pe	36°56'44"N	115°33'31"W	summit
Quartzite Mountain	36°30'06"N	115°05'11"W	summit
Quijnump Canyon	36°41'46"N	116°16'18"W	valley
Quijnump Spring	36°39'42"N	116°12'10"W	spring
Railroad Tanks	36°57'28"N	116°02'32"W	reservoir
Rainbow Canyon	36°16'32"N	115°37'38"W	valley
Rainbow Spring	36°05'11"N	115°30'30"W	spring
Rainbow Springs	36°24'08"N	116°57'22"W	spring
Rainbow Mountain	36°56'14"N	116°48'00"W	summit
Ranger Mountains	36°46'36"N	116°50'18"W	range
Ray Thomas Well	36°12'21"N	115°58'10"W	well
Raycraft Well	36°12'35"N	115°58'41"W	well
Rayconda Buttes	36°58'00"N	115°52'56"W	summit
Razorback Ridge	36°52'08"N	116°41'00"W	ridge
Red Cone	36°47'40"N	116°34'48"W	summit
Red Mountain	36°40'55"N	116°01'02"W	summit
Red Rock Canyon	36°08'49"N	115°30'18"W	valley
Red Rock Summit	36°08'11"N	115°32'22"W	gap
Red Rock Wash	36°08'28"N	115°20'37"W	stream
Red Spring	36°08'40"N	115°25'10"W	spring
Resting Spring Range	36°16'26"N	116°14'33"W	range
Revert Springs	36°55'05"N	116°44'37"W	spring
Rhyolite	36°54'14"N	116°49'42"W	pop place
Robbers Roost Cave	36°18'06"N	115°36'37"W	cave
Rock Valley Wash	36°26'03"N	116°22'26"W	stream

SITE ATLAS GAZETTEER

NAME	LATITUDE	LONGITUDE	FEATURE TYPE
[illegible] Valley	36°17'58"N	116°18'47"W	valley
[illegible] Spring	36°29'08"N	115°58'18"W	spring
[illegible]gers Spring	36°26'47"N	116°19'30"W	spring
[illegible]ee Tank	36°00'27"N	115°26'11"W	reservoir
[illegible]eebud Spring	36°20'14"N	115°46'06"W	spring
[illegible]ees Spring	36°08'34"N	115°37'17"W	spring
[illegible]ees Well	36°41'43"N	116°35'12"W	pop place
[illegible]ees Well	36°41'42"N	116°35'15"W	well
[illegible]e Patch Spring	36°34'47"N	115°[illegible]8'18"W	spring
[illegible]ddle Mountain	36°48'46"N	115°15'24"W	summit
[illegible]ys Mount	36°48'11"N	116°04'0[illegible]"W	summit
[illegible]nd Spring	36°49'31"N	115°34'12"W	spring
[illegible]ng Hill Peak	36°39'50"N	116°21'32"W	summit
[illegible]ndstone Bluffs	36°08'12"N	115°30'43"W	cliff
[illegible]ndstone Bluff	36°08'21"N	115°30'50"W	cliff
[illegible]ndstone Canyon	36°03'46"N	115°28'15"W	valley
[illegible]ndstone Spring	36°03'47"N	115°28'12"W	spring
[illegible]nta Cruz Spring	36°20'24"N	115°56'00"W	spring
[illegible]ncobatus Flat	37°06'07"N	116°57'14"W	flat
[illegible]nnel Canyon	36°42'00"N	115°02'43"W	valley
[illegible]nnel Wash	36°41'45"N	115°05'19"W	arroyo
[illegible]nnel Spring	36°40'51"N	115°10'33"W	spring
[illegible]nnuoth Mountain	36°56'13"N	116°50'59"W	summit
[illegible]arp Canyon	36°53'00"N	115°54'30"W	valley
[illegible]hader Mount	36°27'43"N	116°03'23"W	summit
[illegible]hool Spring	36°25'45"N	116°18'17"W	spring
[illegible]out Canyon Spring	36°19'12"N	115°40'42"W	spring
[illegible]out Canyon	36°19'12"N	115°40'24"W	valley
[illegible]ries Reservoir	36°34'06"N	116°05'23"W	reservoir
[illegible]cret Pass	36°52'44"N	116°40'13"W	gap
[illegible]nator Stewart Mine	36°53'51"N	116°49'08"W	mine
[illegible]ton Ridge	36°12'42"N	115°38'17"W	ridge
[illegible]aecut Spring	36°42'54"N	115°10'51"W	spring
[illegible]eep Peak	36°34'59"N	115°14'55"W	summit
[illegible]eep Spring	36°09'31"N	115°32'58"W	spring
[illegible]eep Range	36°48'29"N	115°07'40"W	range
[illegible]eep Basin	36°44'42"N	115°09'58"W	basin
[illegible]eep Pass	36°50'16"N	115°17'50"W	gap
[illegible]eep Pass Guzzle	36°50'26"N	115°17'17"W	reservoir
[illegible]vemaker Spring	36°20'30"N	115°29'30"W	spring
[illegible]eshone Mountain	[illegible]	[illegible]	range
[illegible]eshone Jeep Trail	36°58'33"N	116°15'05"W	trail
[illegible]eshone Polaris Mine	36°54'44"N	116°48'35"W	mine
[illegible]eshone Peak	36°56'36"N	116°15'37"W	summit
[illegible]over Spring	36°00'57"N	115°27'16"W	spring
[illegible]lehill Spring	36°17'28"N	115°35'36"W	spring
[illegible]con Mine	36°57'35"N	116°38'44"W	mine
[illegible]ters The	36°19'52"N	115°40'59"W	summit
[illegible]mile Spring	36°14'35"N	116°04'48"W	spring
[illegible]ston Hills	36°37'07"N	116°19'52"W	summit
[illegible]ggs Spring	36°25'58"N	116°18'30"W	spring
[illegible]ll Mountain	36°48'34"N	116°10'32"W	summit
[illegible]oky Sr Radio Tower	36°56'48"N	116°04'26"W	tower
[illegible]oky Jr Radio Tower	36°56'05"N	116°04'13"W	tower
[illegible]ow Canyon	36°51'11"N	115°16'09"W	valley
[illegible] Basin	36°51'47"N	115°16'57"W	basin
[illegible]ber Up Gulch	36°57'03"N	116°43'[illegible]"W	valley
[illegible]ce Spring	36°29'17"N	115°1[illegible]'55"W	spring
[illegible]le Straw Cave	36°19'55"N	116°09'56"W	cave
[illegible]tano Canyon	36°49'35"N	116°28'50"W	valley
[illegible]tano Wash	36°43'12"N	116°32'50"W	arroyo
[illegible]th Fork Spring	36°06'50"N	115°32'47"W	spring
[illegible]th Ridge	36°38'0[illegible]"N	115°55'38"W	summit
[illegible]th Spring	36°05'36"N	115°[illegible]'31"W	spring
[illegible]th Loop	36°15'27"N	115°40'53"W	trail
[illegible]ash Mine	36°34'07"N	115°12'00"W	mine
[illegible]ice Spring	36°52'09"N	116°28'31"W	spring

NAME	LATITUDE	LONGITUDE	FEATURE TYPE
[illegible]	[illegible]°38'54"N	116°10'18"W	range
Spot Canyon	36°28'27"N	115°18'08"W	valley
Spotted Range	36°45'41"N	115°45'32"W	range
Spring Canyon	36°41'13"N	115°16'25"W	valley
Spring Min Divide Trail	36°20'10"N	115°44'34"W	trail
Spring Mountains	36°12'36"N	115°42'17"W	range
Stanley B Springs	36°16'20"N	115°38'20"W	spring
Stevens Springs	36°04'38"N	115°05'02"W	spring
Steves Pass	36°46'30"N	116°37'34"W	gap
Stewart Valley	36°12'25"N	116°[illegible]'40"W	valley
Stewart	36°14'00"N	116°06'52"W	pop place
Stilwell Spring	36°19'11"N	115°16'02"W	spring
Stirling	36°29'07"N	116°57'28"W	pop place
Stirling Mount	36°27'14"N	115°58'03"W	summit
Stirling Mine	36°29'25"N	115°57'25"W	mine
Strawberry Valley	36°34'38"N	116°04'12"W	gap
Striped Hills	36°39'54"N	116°19'42"W	range
Stump Springs	36°10'42"N	115°59'08"W	spring
Sugar Bunker	36°50'22"N	116°57'3[illegible]"W	pop place
Sullivan Spring	36°54'17"N	116°50'47"W	spring
Sunday Mine	36°06'18"N	115°15'07"W	mine
Surprise Basin	36°51'38"N	115°19'45"W	basin
Surprise Canyon	36°5[illegible]'12"N	115°23'43"W	valley
Sutherland Mountain	36°54'19"N	116°50'40"W	summit
Swachbacs Spring	36°08'29"N	115°31'41"W	spring
Tarantula Canyon	36°52'03"N	116°37'46"W	valley
Tates Wash	36°55'12"N	116°38'30"W	stream
Telephone Canyon	36°16'16"N	115°32'52"W	valley
Telunde Mine	36°53'49"N	116°39'11"W	mine
The Lakes	36°08'35"N	115°17'29"W	pop place
Thompson Mine	36°56'58"N	116°37'59"W	mine
Three Forks Wash	36°58'48"N	116°27'59"W	stream
Three Springs	36°17'33"N	115°40'53"W	spring
Three Lakes Valley	36°36'48"N	115°29'45"W	valley
Three Lakes Valley R	36°46'36"N	115°27'30"W	reservoir
Three Well	36°59'42"N	116°03'33"W	well
Tim Spring	36°50'37"N	115°34'14"W	spring
Timber Canyon	36°43'23"N	115°10'08"W	valley
Timp Canyon	36°37'25"N	115°58'25"W	valley
Timp Wash	36°37'10"N	115°59'29"W	arroyo
Tip Top Mine	36°54'08"N	116°38'57"W	mine
Tiva Canyon	36°54'58"N	116°14'58"W	valley
Topupah Wash	36°40'13"N	116°22'28"W	stream
Tubopah Spring	36°56'19"N	116°16'10"W	spring
Tower Hills	36°38'00"N	115°58'20"W	range
Trail Canyon	36°15'57"N	115°39'28"W	valley
Tram Ridge	36°57'32"N	116°38'15"W	ridge
Tramp Mine	36°57'25"N	116°49'00"W	mine
Tramps Mine	36°53'45"N	116°50'04"W	mine
[illegible]pocana Wash	36°07'01"N	115°08'30"W	stream
[illegible]ough Spring	36°22'37"N	116°48'28"W	spring
[illegible] Springs	36°13'19"N	115°40'55"W	spring
[illegible]ut Canyon	36°08'32"N	116°44'37"W	valley
Trout Spring Cave	36°13'34"N	115°40'40"W	cave
Tubbs Spring	36°23'57"N	116°16'58"W	spring
Tule Spring	36°19'13"N	115°16'03"W	spring
Tule Springs Lake	36°19'22"N	115°16'00"W	lake
Tulugaten Canyon	36°48'06"N	116°39'51"W	valley
Tupapa Seep	36°44'30"N	116°04'44"W	spring
Turtlehead Mountain	36°10'49"N	115°26'44"W	summit
Twin Caves Canyon	36°52'17"N	115°18'43"W	valley
Twin Lakes	36°10'44"N	115°11'07"W	lake
Twin Springs	36°57'08"N	116°22'20"W	spring
Twin Buttes	36°34'47"N	115°08'35"W	summit
Two Spring	36°21'40"N	115°35'49"W	spring
Underground Spring	36°55'39"N	115°16'47"W	spring
Upper White Blotch Spg	36°28'3[illegible]	116°13'20"W	spring
Upper Indian Spring	36°57'07"N	116°48'18"W	spring

SITE ATLAS GAZETTEER

NAME	LATITUDE	LONGITUDE	FEATURE TYPE
Upper Deadman Spring	36°37'08"N	115°13'21"W	spring
Ute Springs	36°57'33"N	115°43'09"W	spring
Vanderbilt Mine	36°53'13"N	115°46'06"W	mine
Vegas Creek	36°10'53"N	115°07'41"W	stream
Vegas Heights	36°11'58"N	115°09'20"W	pop place
Vegas Spring	36°10'22"N	115°11'19"W	spring
Velvet Peak	36°53'49"N	116°48'34"W	summit
Vent Pass	36°56'24"N	116°25'08"W	gap
Vir[illegible] Wash	36°53'10"N	116°05'37"W	stream
Wagon Canyon	36°35'58"N	115°18'03"W	valley
Wagon Spring	36°36'34"N	115°15'52"W	spring
Wagon Gap	36°36'45"N	116°19'58"W	gap
Wahmonie Flat	36°49'07"N	116°10'00"W	flat
Wahmonie Mng Dist	36°49'36"N	116°09'04"W	civil
Wah[illegible]	36°48'42"N	116°09'33"W	pop place
Wata[illegible] Canyon	36°15'40"N	115°51'34"W	valley
Wamp Spring	36°36'31"N	116°04'09"W	spring
Wann	36°14'00"N	115°06'45"W	pop place
Warner Spring	36°01'10"N	116°30'27"W	spring
Water Pipe Butte	36°57'00"N	116°22'10"W	summit
Weather Tower No. 6-280	36°57'20"N	116°03'19"W	tower
Weather Tower Fla 14	36°48'58"N	116°15'19"W	tower
Well Number Three	36°58'43"N	116°03'28"W	well
West Sandy Wash	36°37'52"N	115°59'27"W	arroyo
Wheeler Pass	36°23'20"N	116°47'46"W	gap
Wheeler Wash	36°12'18"N	115°55'38"W	stream
Wheeler Camp Spring	36°03'07"N	115°24'57"W	spring
Whiskey Spring	36°23'33"N	115°32'05"W	spring
Whisky Spring	36°23'00"N	116°44'39"W	spring
White Sage Flat	36°42'38"N	115°18'11"W	flat
White Rock Hills	36°10'07"N	115°29'41"W	summit
White Rock Reservoir	36°00'29"N	115°28'56"W	reservoir
White Sage Guzzler	36°43'26"N	115°22'14"W	reservoir
White Rock Canyon	36°42'48"N	115°15'47"W	valley
White Sage Gap	36°43'16"N	115°23'28"W	valley
White Point Spring	36°11'28"N	115°34'37"W	spring
White Rock Spring	36°42'29"N	115°14'20"W	spring
White Spot Spring	36°25'51"N	115°12'36"W	spring
White Sage Reservoir	36°42'30"N	115°19'48"W	reservoir
Whitehead Springs	36°09'35"N	115°15'32"W	spring
Whitney Mesa	36°04'33"N	115°04'10"W	summit
Whitney Well	36°06'03"N	115°03'47"W	well
Wilcox Well	36°15'25"N	116°00'18"W	well
Wild Rose Spring	36°06'32"N	115°39'25"W	spring
Wildcat Peak	36°47'18"N	116°38'35"W	summit
Wildhorse Pass	36°33'31"N	115°17'14"W	gap
Williams Hole	36°13'52"N	115°41'26"W	cave
Willow Spring	36°09'41"N	116°29'51"W	spring
Willow Peak	36°23'09"N	115°46'22"W	summit
Willow Canyon	36°26'34"N	115°46'56"W	valley
Willow Creek	36°34'34"N	115°43'54"W	stream
Wilson Ridge	36°11'51"N	115°33'38"W	ridge
Wilson Mount	36°05'37"N	115°29'01"W	summit
Winapi Wash	36°46'33"N	116°58'00"W	arroyo
Winchester	36°07'48"N	115°07'05"W	pop place
Winding Wash	36°39'08"N	116°56'30"W	arroyo
Windy Wash	36°50'00"N	116°32'10"W	stream
Winters Holes	36°20'19"N	116°15'09"W	spring
Winterwood	36°08'54"N	115°02'58"W	pop place
Wiregrass Spring	36°36'00"N	115°12'25"W	spring
Wood Canyon	36°21'04"N	115°59'03"W	valley
Wood Canyon Spring	36°23'58"N	115°55'54"W	spring
Wood Spring	36°21'09"N	116°44'36"W	spring
Yellowjacket Canyon	36°44'80"N	115°17'13"W	valley
Yellowjacket Spring	36°42'33"N	115°10'39"W	spring
Younts Spring	36°05'22"N	115°41'30"W	spring
Yucca Forest	36°31'56"N	115°09'46"W	flat
Yucca Lake	36°56'56"N	116°01'30"W	lake
Yucca Mountain	36°56'29"N	116°27'15"W	range
Yucca Wash	36°51'51"W	116°23'17"W	stream
Yucca Flat	37°04'08"N	116°02'36"W	flat
Yucca Pass	36°55'53"N	116°02'58"W	gap
Yucca Gap	[illegible]°26'44"N	115°15'40"W	gap
Yucca Well	36°26'37"N	115°12'10"W	well

APPENDIX D

DATA REFERENCES

DATA REFERENCES CITED

Barton, C C. 1992 Location of Bedrock Pavements for the Study of Fractures Written communication.

Bath, G D and C E Jahren 1984 *Interpretation of Magnetic Anomalies at a Potential Repository Site Located in Yucca Mountain area, Nevada Test Site* U S Geological Survey Open-File Report 84-120, 40p

Bath G D and C E Jahren 1985 *Investigations of an Aeromagnetic Anomaly on the West Side of Yucca Mountain, Nye County, Nevada* U S Geological Survey Open-File Report 85-459, 24p

Bureau of Land Management 1988 *Right Of-Way Reservation Agreement* Bureau of Land Management Document N-47748 2800 (NV-943 2)

Bureau of Land Management 1989 *Right-Of-Way Reservation Agreement* Bureau of Land Management Document N-48602 2800 (NV-943 2)

Bureau of Land Management 1990 *Public Land Order – Withdrawal of Public Land to Maintain the Physical Integrity of the Subsurface Environment, Yucca Mountain Project, Nevada* Department of Interior Public Land Order 6302

Candelarea, W 1992a Location correction for Trenches A-1 and A-2 Personal communication

Candelarea, W 1992b Location update for as-built natural infiltration monitoring drill holes (USW UZ-N11, 15, 16, 17 36, 37, 54, 55) Personal communication.

Cochran, G 1992 Precipitation Monitoring Site . Personal communication

Collins, E and T P. O'Farrell. 1985 *1984 Biotic Survey of Yucca Mountain, Nevada Test Site, Nye County, Nevada.* U S. Department of Energy Topical Report, EG&G/EM Santa Barbara Operations Topical Report No 1183-2057, 45p

Crowe, B 1991 Locational change for proposed volcanic hole USW V-2 Personal communication

EG&G Energy Measurements Inc 1989 *Tortoise Sign Location Map* Environmental Sciences Division, EG&G/EM-NTS-EES-MAP-360

Fenix & Scisson 1986a *NNWSI Hole Histones (UE-25a #1, #3 through #7)* DOE/NV/10322-9

Fenix & Scisson 1986b *NNWSI Hole Histones (UE-25 WT #3 through #6, UE-25 WT #12 through #18, USW WT-1, -2, -7, -10, -11)* DOE/NV/10322-10

Fenix & Scisson 1986c *NNWSI Hole Histones (UE-25 RF #1 through #11, UE-25 RF #3B, UE-25 RF #7A)* DOE/NV/10322-11

Fenix & Scisson 1986d *NNWSI Hole Histones (UE-29a #1 and #2)* DOE/NV/10322-12

Fenix & Scisson 1986e *NNWSI Hole Histones (UE-25b #1)* DOE/NV/10322-13

Fenix & Scisson 1986f *NNWSI Hole Histones (UE-25c #1, UE-25c #2, UE-25c #3)* DOE/NV/10322-14

Fenix & Scisson 1986g *NNWSI Hole Histones (UE-25h #1)* DOE/NV/10322-15

Fenix & Scisson 1986h *NNWSI Hole Histones (UE 25p #1)* DOE/NV/10322-16

Fenix & Scisson 1986i *NNWSI Hole Histones (USW VH-1, USW VH-2)* DOE/NV/10322-17

Fenix & Scisson 1987a. *NNWSI Hole Histones (USW H-1, USW H-3 through H-6)* DOE/NV/10322-18

Fenix & Scisson 1987c *NNWSI Hole Histones (USW UZ-1, UE-25, UZ #4, UE-25 UZ #5, USW UZ-6, USW UZ-6s, USW UZ-7, USW UZ-8, USW UZ-13)* DOE/NV/10322-20

Fenix & Scisson. 1987d. *NNWSI Hole Histones – Unsaturated Zone Neutron Holes Drilled between May 1984 and February 1986* DOE/NV/10322-21.

Fenix & Scisson 1987b *NNWSI Hole Histones (USW G-1 through G-4, USW GA-1, USW GU-3).* DOE/NV/10322-19

Fenix & Scisson 1987e *NNWSI 51 Seismic Hole Histones* DOE/NV/10322-25.

Fenix & Scisson 1987f *NNWSI Drilling and Mining Summary (202 drillholes)* DOE/NV/10322-24

Fitterman, D V 1982 *Magnetometric Resistivity Survey Near Fortymile Wash, Nevada Test Site, Nevada* U S Geological Survey Open File Report 82-401, 27p

Furgerson, R.B 1982. *Remote-Reference Magnetotelluric Survey, Nevada Test Site and Vicinity, Nevada and California* U S Geological Survey Open-File Report 82-465

Glanzman, V M. 1991 *Bibliography of Publications Related to the Yucca Mountain Site Characterization Project Prepared by U. S. Geological Survey Personnel Through April 1991* U S Geological Survey Open-File Report 91-341, 52p.

Gibson, J 1991 Addition of two wells to the NPS Monitoring Network Written communication to G Fasano

Gomberg, J. 1991. Proposed new USGS-SGBSN digital stations located within NTS boundaries (preliminary) Written communication to Robert Craig (USGS)

Greenhaus, M R and C J Zablocki 1982 *A Schlumberger Resistivity Survey of the Amargosa Desert, Southern Nevada* U S Geological Survey Open-File Report 82-897, 150p.

Harmsen, S C In press *Seismicity and Focal Mechanisms for the Southern Great Basin of Nevada and California in 1990* U S Geological Survey Open-File Report

Henne, Mark S 1982 *The Dissolution of Rainier Mesa Volcanic Tuffs and its Application to the Analyses of the Ground-water Environment* Unpublished MS thesis, University of Nevada-Reno

Hoffman, L R and W D. Mooney. 1983 *A Seismic Study of Yucca Mountain and Vicinity, Southern Nevada Data Report and Preliminary Results* U S Geological Survey Open-File Report 83-588, 1 plate, 50p.

Holmes & Narver, Inc 1987a *Area 25 & 29, Crater Flats NNWSI As-Built Drill Holes – Enclosure 1* H&N Survey Report DDD TPO 87-003

Holmes & Narver, Inc 1987b *Area 25 & 29, Crater Flats NNWSI Proposed Drill Holes – Enclosure 2* H&N Survey Report DDD TPO.87-003

Holmes & Narver, Inc 1987c *Area 25 & 29, Crater Flats NNWSI Preliminary Drill Holes - Enclosure 3* H&N Survey [illegible] TPO 87-003

Johnson, [illegible] 1992 Update on Site Descriptions for the YMP Site Atlas Written communication

Kane III, T.G In Review (Provisional). *Streamflow and Selected Precipitation Data for Yucca Mountain and Vicinity*

Nye County, Nevada – Water Years 1983-1985 U.S Geological Survey

Kilroy, K C 1991 *Groundwater Conditions in the Amargosa Desert, Nevada-California, 1952-1987* U S. Geological Survey Water Resources Investigations Report 89-4101, 93p

Lee, J 1990 Log Book for NTS Event Bullion Unpublished data Sandia National Laboratory

Maloney E S 1985 *Dutton's Navigation and Piloting, 14 ed* Naval Institute Press, Annapolis, MD pp 560-562.

McGovern, T F, L W Pankratz, and H D Ackerman 1983 *An Evaluation of Seismic Reflection Studies in the Yucca Mountain Area, Nevada Test Site* U S. Geological Survey Open-File Report 83-912, 58p.

Milne, W K, L V Benson, and P W McKinley 1987 *Isotope Content and Temperature of Precipitation in Southern Nevada, August 1983-August 1986* U S Geological Survey Open-File Report 87-463

Mooney, W 1992 Update to Sutton 1985 Report U.S Geological Survey written communication

O'Farrell, T.P and E Collins 1983 *1982 Biotic Survey of Yucca Mountain, Nevada Test Site, Nye County, Nevada.* U.S Department of Energy Topical Report, EG&G/EM Santa Barbara Operations Report Number 10282-2004, 45p

O'Farrell, T P and E Collins 1984 *1983 Biotic Studies of Yucca Mountain, Nevada Test Site, Nye County, Nevada* U S Department Topical Report, EG&G/EM Santa Barbara Operations Report Number 10282-2031, 48p

Ostler, Kent 1991 Update to Major Vegetation Associations Map (Grassland Burn Areas no longer Applicable) Personal communication

Pankratz, L W 1982 *Reconnaissance Seismic Refraction Studies at Calico Hills, Wahmonie, and Yucca Mountain, Southwest Nevada Test Site, Nye County, Nevada* U S Geological Survey Open-File Report 82-478 25p

Raker, Sarah L and Roger L. Jacobson. 1987. *Chemistry of Ground-water in Tuffaceous Rocks, Central Nevada* Desert Research Institute – Water Resources Center, NWPO-TR 006-87, 111p

Raytheon Services Nevada 1991a *Exploratory Studies Facility General Arrangement – Overall Site Plan* RSN Drawing Number YMP-025-1-CIVL-PL01, Revision 0, September 27, 1991

Raytheon Services Nevada 1991b. *Exploratory Studies Facility TS South Portal General Arrangement – Batch Plant Facilities, Site & Grading Plan* RSN Drawing Number YMP-025-2-CIVL-PL07, Revision 0, September 27, 1991

Raytheon Services Nevada 1991c *Subsurface Access Drifts* RSN Drawing Number YMP-025-1-MING-MI01 June 1991

Raytheon Services Nevada 1992a As built coordinates for USW UZ-N11, N15, N16, N17, N36, N37, N54, N55 Personal communication

Raytheon Services Nevada 1992b Surveyed coordinates for ESF Soil and Rock Properties Study Personal communication

Reheis, M C 1986 *Preliminary Study of Quaternary Faulting on the East Side of Bare Mountain, Nye County, Nevada* U S Geological Survey Open-File Report 86-576 14p

Russell, Charles. 1992 Water monitoring sites and precipitation gauges Personal communication

Sandia National Laboratories. 1986a *Conceptual Perimeter Drift Boundary* SNL Drawing Number R07003A, April 1986

Sandia National Laboratories 1986b *Conceptual Controlled Area Boundary* SNL Drawing Number CAL0166

Scott, R B and J Bonk 1984. *Preliminary Geologic Map of Yucca Mountain with Geologic Sections, Nye County, Nevada.* U S Geological Survey Open-File Report 84-494, 1 12000 scale

Senterfit, R M, D B Hoover, and M Chornak 1982 *Resistivity Sounding Investigations by the Schlumberger Method in the Yucca Mountain and Jackass Flat Area, Nevada Test Site, Nevada* U S Geological Survey Open-File Report 82-1043, 39p

Snyder, D B and W J Carr 1982 *Preliminary Results of Gravity Investigations at Yucca Mountain and Vicinity Southern Nye County, Nevada* U S Geological Survey Open File Report 82-701, 36p.

Spaulding, W G 1983 *Vegetation and Climates of the Last 45,000 Years in the Vicinity of the Nevada Test Site South-Central Nevada* U S Geological Survey Open-File Report 83-535, 199p

Spaulding, W G In press *Pluvial Climates and Paleoenvironments of the Southern Great Basin, with Special Reference to Yucca Mountain* U S Geological Survey Water Resources Investigations Report

Squires, R.R. and R L. Young. 1984 *Flood Potential of Fortymile Wash and Its Principal Southwestern Tributaries, Nevada Test Site, Southern Nevada.* U S. Geological Survey Water Resources Investigations Report 83-4001, 1 plate, 33p

Sutton, V.D. 1985. *Data Report for the 1985 Seismic Refraction Experiment at Yucca Mountain and Vicinity, Southwestern Nevada.* U.S. Geological Survey Open-File Report 85-591, 17 plates, 96p

Swadley, W C and D L Hoover 1983 *Geology of Faults Exposed in Trenches in Crater Flat, Nye County, Nevada* U S Geological Survey Open-File Report 83-608, 15p

Swadley, W C, D L Hoover, and J N Rosholt 1984 *Preliminary Report on Late Cenozoic Faulting and Stratigraphy in the Vicinity of Yucca Mountain, Nye County, Nevada* U S Geological Survey Open-File Report 84-788, 42p

Szabo, B.J, W J Carr, and W C. Gottschall 1981. *Uranium Thorium Dating of Quaternary Carbonate Accumulations in the Nevada Test Site Region, Southern Nevada.* U S Geological Survey Open-File Report 81-119, 35p.

Szabo, B J and P A. O'Malley. 1985 *Uranium-Series Dating of Secondary Carbonate and Silicon Precipitates Relating to Fault Movements in the Nevada Test Site Region and of Caliche and Travertine Samples from the Amargosa Desert* U S Geological Survey Open-File Report 85-47, 12p

Taylor, E.M. 1986 *Impact of Time and Climate on Quaternary Soils in the Yucca Mountain Area of the Nevada Test Site* M S. Thesis, University of Colorado

U.S Bureau of Reclamation 1992 Criteria letter for NTS contractors' services Geotechnical Exploration in Support of Title II Design of the Exploratory Studies Facilities U S Bureau of Reclamation document YMP-USBR-8 3 1 14 2-01-02, Revision 0, 7p

U S Department of Commerce 1991 1990 Census of Population and Housing, Summary Tape File 1A on CD-Rom U S Bureau of the Census

U S Department of Energy 1984 *Yucca Mountain Project Meteorological Monitoring Plan* DOE/NV/10270-5, Science Applications International Corp 84/7600

U S Department of Energy 1988a *Site Characterization Plan, Yucca Mountain Site, Nevada Research and Development Area, Nevada*. Vol I-IX DOE/RW-0199

U S Department of Energy 1988b. *Environmental Regulatory Compliance Plan for Site Characterization – Yucca Mountain Site, Nevada Research and Development Area, Nevada* DOE/RW-0209, Revision 1

U S Department of Energy 1988c *Surfaced-Based Investigations Plan – Yucca Mountain Project* Vol 1-4 YMP/88-25

U S Department of Energy. 1988d *Site Atlas – Yucca Mountain Project* Vol 1-2 Holmes & Narver, YMP/88-21

U S. Department of Energy 1990b *NTS Drilling and Mining Summary through June 1989* Fenix and Scisson Area 12, 11p

U S Department of Energy, 1990c *Characterization of the Yucca Mountain Regional Surface-Water Runoff and Streamflow* U S Geological Survey Study Plan YMP-USGS-SP 8 3 1 2 1 2, Revision 0

U S Department of Energy 1991a *Monitoring Program for Ground-Water Levels and Springflows in the Yucca Mountain Region of Southern Nevada and California*, U S Geological Survey Quarterly Report Draft, 20p

U S Department of Energy 1991b *Yucca Mountain Site Characterization Project Environmental Field Activity Plan for Terrestrial Ecosystems*. YMP/91 41 Draft Report

U S Department of Energy 1991c Yucca Mountain Project Briefing TGGDW3P 123. September 25, 1991.

U S Department of Energy. 1991d *Study Plan for Characterization of the Percolation in the Unsaturated Zone Surface Based Study*. U S Geological Survey Study Plan YMP-USGS-SP 8 3 1 2 2.3, Revision 0

U.S Geological Survey. 1991a. Criteria letter for YMP-YMSO Contractors services for drilling, testing, and instrumenting UE-25 VSP-2 (UZ-16) and UE-25 VSP-1 (UZ-15) YMP-USGS-3343G-01-C3, R0 Written communication from L. Hayes to C. Gertz.

U.S Geological Survey 1991b Approximate locations for proposed pits and trenches Written communication to T Sullivan.

U S Geological Survey 1991c *Characteristics of the Vertical and Lateral Distribution of Stratigraphic Units within the Site Area* USGS Quality Assurance Grading Report Number G1232211, Revision 1

Waddell, R K , J H Robison, and R K Blankennagel 1984 *Hydrology of Yucca Mountain and Vicinity, Nevada-California--Investigative Results Through Mid-1983* U S Geological Survey Water Resources Investigations Report 84-4267

Wigand, P E 1991 Fossil Woodrat Midden Localities Desert Research Institute – Quaternary Sciences Center Unpublished Data Written communication

Yount, J C 1992a Locations of trenches at Frenchman Flat and Crater Flat South Written Communication

Yount, J.C 1992b. Locations of trenches at Rock Valley Personal Communication.