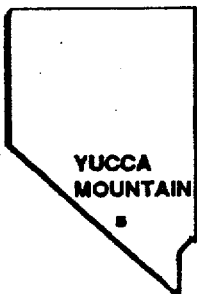


Acc'd with letter dtd. 8/18/94

U.S. DEPARTMENT OF ENERGY

WM

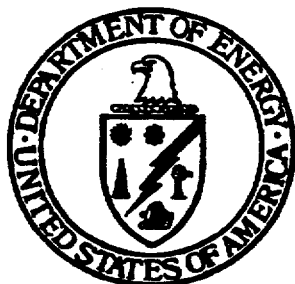


**YUCCA MOUNTAIN
SITE CHARACTERIZATION
PROJECT**

**Yucca Mountain
Site Characterization Project**

**GENISES
GEOGRAPHIC INFORMATION SYSTEM
(GIS)**

DATA CATALOG



102.8

JUNE 30, 1994

UNITED STATES DEPARTMENT OF ENERGY

9409010292 940818

PDR WASTE

WM-11

PDR

**Yucca Mountain
Site Characterization Project**

**GEOGRAPHIC INFORMATION SYSTEM
(GIS)**

DATA CATALOG

JUNE 30, 1994

Prepared by

**The U.S. Department of Energy's
Remote Sensing Laboratory
operated by:
EG&G Energy Measurements, Inc.
P.O. Box 1912
Las Vegas, NV 89125**

INTRODUCTION

This catalog replaces Appendix D of the Yucca Mountain Site Characterization Project (YMP) Technical Data Catalog and describes spatial data sets that are available from the Geographic Nodal Information and Scientific Evaluation System (GENISES) database.

These data are categorized as existing data and are not technical data as defined by YAP-SIII.3Q: Control and Transfer of Technical Data on the Yucca Mountain Site Characterization Project. GENISES maintains Geographic Information System (GIS) and tabular data sets in support of the Yucca Mountain Site Characterization Project.

The GENISES database uses two software packages, ARC/INFO and INGRES. ARC/INFO, a Geographic Information System is the product of Environmental Systems Research Institute (ESRI) and is the spatial-indexing software used for the database. INGRES is the product of INGRES Corporation, and is the relational database interface used for the GIS. All GIS data sets may be provided in one of the following formats: ARC/INFO interchange format (export files), ARC/INFO file format (ArcView only), DXF, and ASCII tabular format.

GIS technology is considered relatively new and national standards regarding data format and data transfers are currently under development. GENISES uses a cartesian coordinate system to reference geographic locations. Geographic coordinates (latitude, longitude) serve as the standard spherical reference grid used by GENISES. ArcView, also a product of ESRI, is supported with spatial data sets from GENISES. The current version of ArcView does not provide conversion utilities to project data from geographic to other map projections. Therefore, requests for ArcView data sets will be satisfied with Universal Transfer Mercator (UTM) projection. All other spatial data sets are provided in geographic decimal degrees.

This document describes the data sets available, but does not provide the data (e.g., geologic map units are not labeled with attribute information). The document is divided into sections. Each section provides a description of the spatial data sets for a particular theme. These sections follow, as closely as possible, the terminology used in the Project Parameter Dictionary. As additional data themes are identified, new sections can be added to this catalog.

Each file is represented with a map to identify the extent and complexity of the data. The adjacent pages to the maps provide information about the ARC/INFO coverages. Attribute information is neither illustrated nor described within the format of this catalog. The information given about coverages is actually a subset of data which is contained in a Data Dictionary System associated with the GENISES database.

INTRODUCTION, continued

The GENISES staff is currently validating source information and verifying all spatial data sets submitted to the database. As data sets are verified, they will be added to this catalog on a quarterly basis. The spatial data sets listed in this document have been verified and are current as of 6/30/94 and do not represent ALL data held in the GENISES database.

YMP Participant organizations may request spatial data sets directly from EG&G/EM Yucca Mountain Project Spatial Analysis Section by completing an EG&G/EM Work Request (as shown in Appendix A). Please fill out the request in its entirety. Other interested parties should request this information in writing from Robert Nelson, YMP Project Manager with attention to Claudia Newbury, Technical Data Manager. The GENISES data dictionary entry, code definitions, and lineage for each file will be transmitted with requested data.

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GIS DATA CATALOG

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YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GIS DATA CATALOG

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YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GIS DATA CATALOG

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**ADMINISTRATIVE
BOUNDARIES**

Filename: dvnm

Description: Death Valley National Monument

Parameter: None

Alias: bon06

Source: United States Geological Survey
Digital Line Graph

Geographic Extent: Southern Nye County, Nevada

Date Last Edited: 9/24/93

Original Source Scale: 1:100,000

Minimum Mapping unit: 2.54 meters

Input Accuracy: Manually digitized using equipment with a resolution of 0.001 inch and an absolute accuracy of from 0.003 to 0.005 inch

Contact(s): Earth Science Information Center
U.S.Geological Survey
507 National Center
Reston, Virginia 22092
703-860-6045

E200000m

E400000m

E600000m

E800000m

42°00'

40°00'

38°00'

36°00'

N400000m

N440000m

N200000m

N400000m

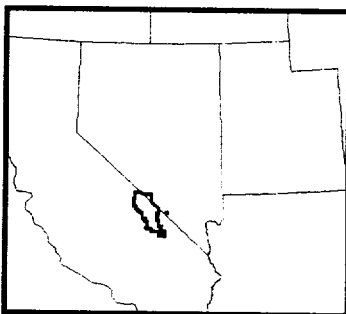
120°00'

118°00'

116°00'

114°00'

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Death Valley
National Monument

Filename: dvm



Filename: nts

Description: U. S. Department of Energy
Environmental Research Park (NTS)

Parameter: None

Alias: bon01, ntsops

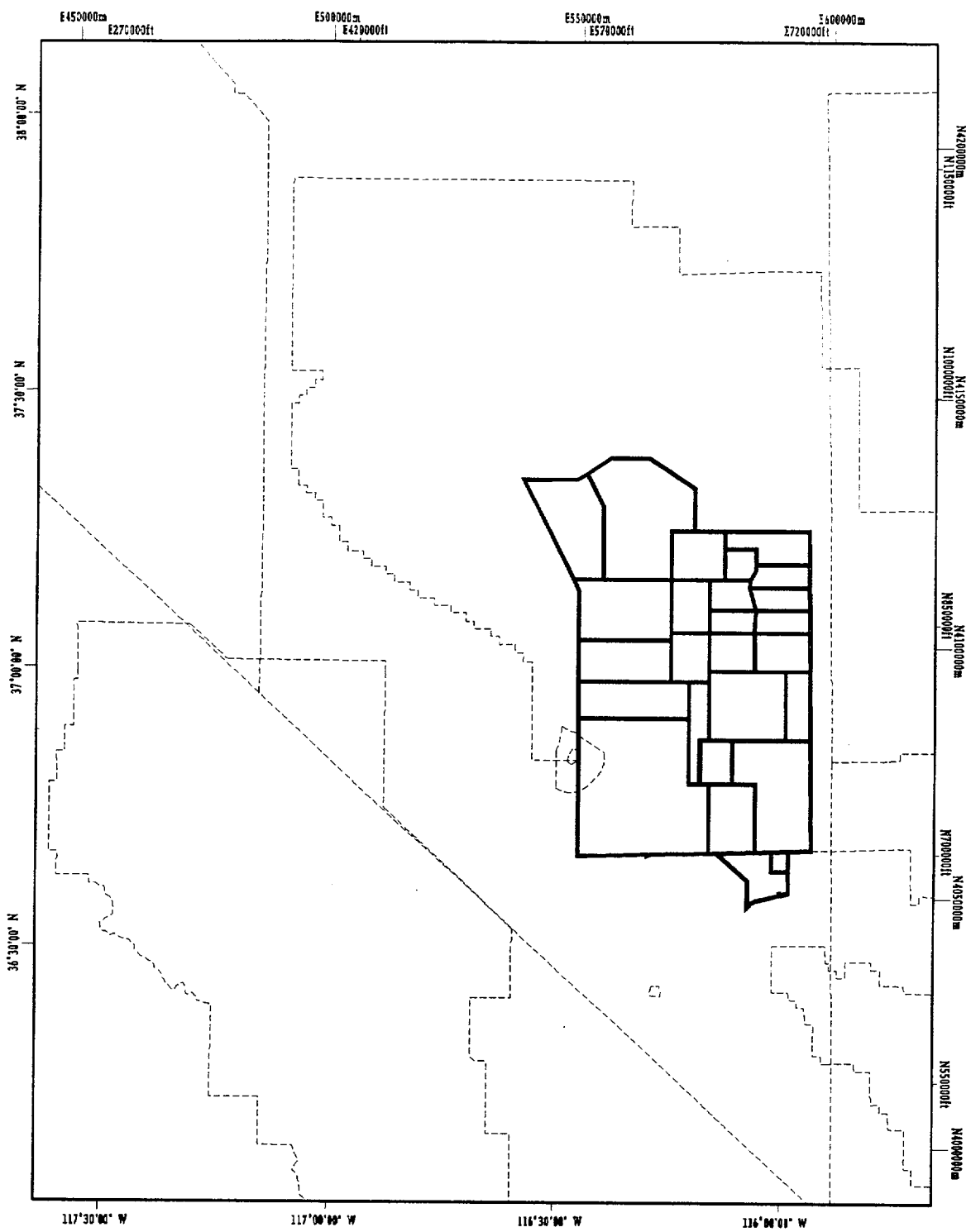
Source: U. S. Department of Energy
Drawing Number 090-094-C7.2,
Nevada Test Site Coordinate Map
and Site Plan, Holmes & Narver,
Inc., June 8, 1987

Geographic Extent: Southern Nye County, Nevada

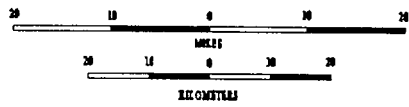
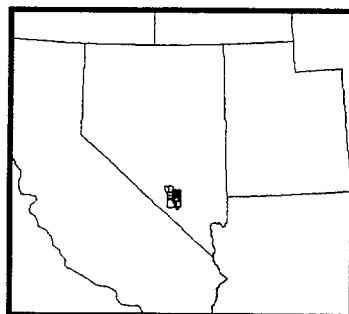
Date Last Edited: 9/24/93

Original Source Scale: Surveyed coordinate data

Contact(s): William Kopatich
Raytheon Services Nevada
101 Convention Center Drive
Las Vegas, Nevada 89109
702-794-7014



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Environmental Research Park
Formerly Nevada Test Site (NTS)

Filename: nts

Filename: nafr

Description: Nellis Air Force Range

Parameter: None

Alias: bon02

Source: United States Geological Survey
Digital Line Graph

Geographic Extent: Southern Nye County, Nevada

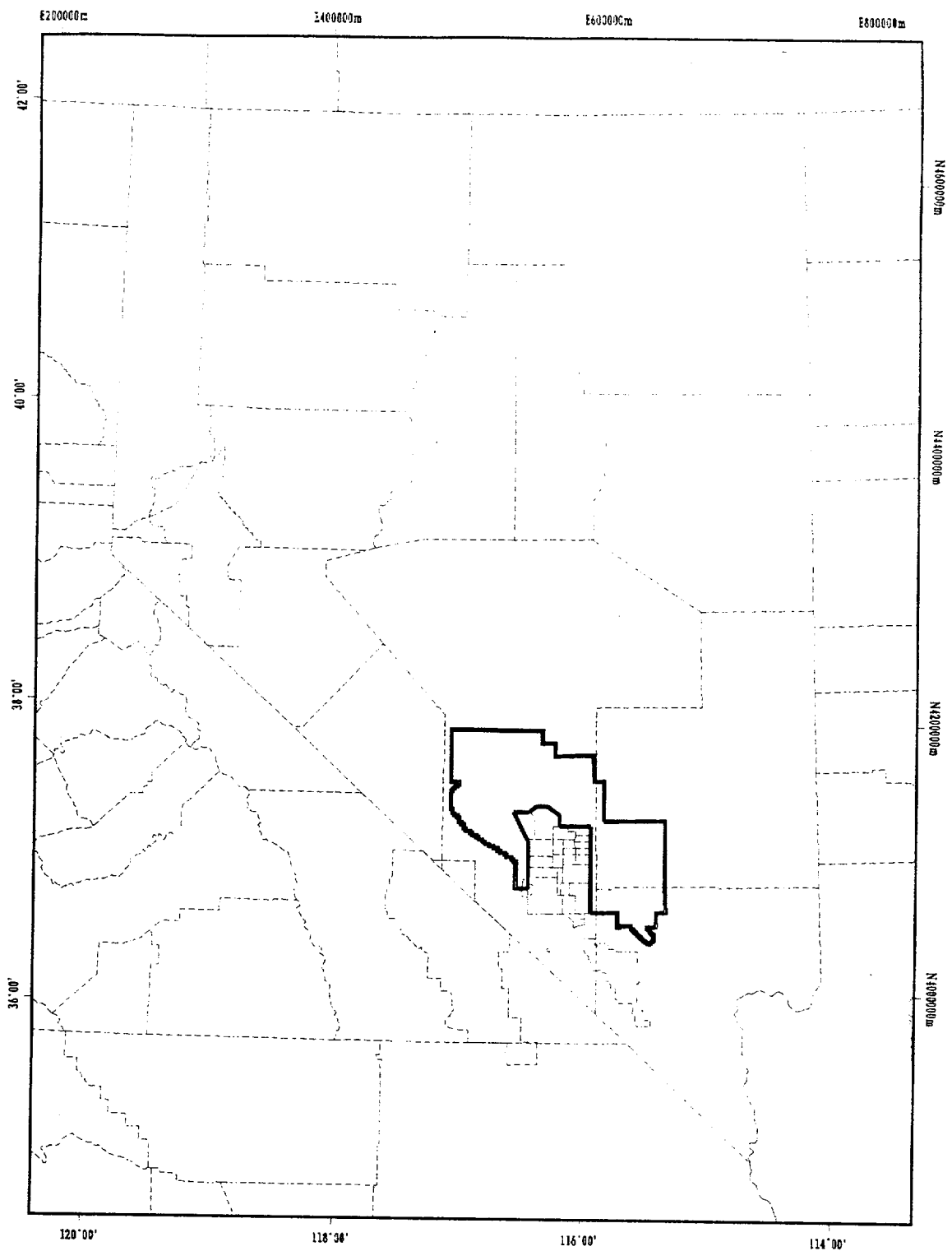
Date Last Edited: 9/24/93

Original Source Scale: 1:100,000

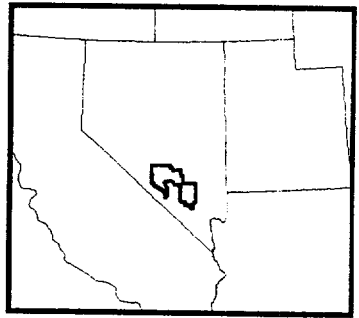
Minimum Mapping Unit: 2.54 meters

Input Accuracy: Manually digitized using equipment with a resolution of 0.001 inch and an absolute accuracy of from 0.003 to 0.005 inch

Contact(s): Earth Science Information Center
U.S.Geological Survey
507 National Center
Reston, Virginia 22092
703-860-6045



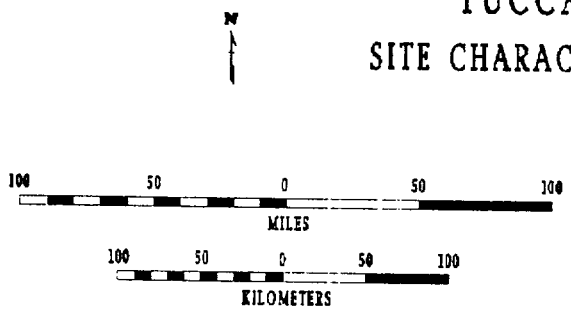
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Nellis Air Force Range

Filename: nafr



Filename: toiynf

Description: Toiyabe National Forest

Parameter: None

Alias: bon07, toynf

Source: United States Geological Survey
Digital Line Graph

Geographic Extent: Western Clark County, Nevada

Last Edited: 9/24/93

Original Source Scale: 1:100,000

Minimum Mapping Unit: 2.54 meters

Input Accuracy: Manually digitized using equipment with a resolution of 0.001 inch and an absolute accuracy of from 0.003 to 0.005 inch

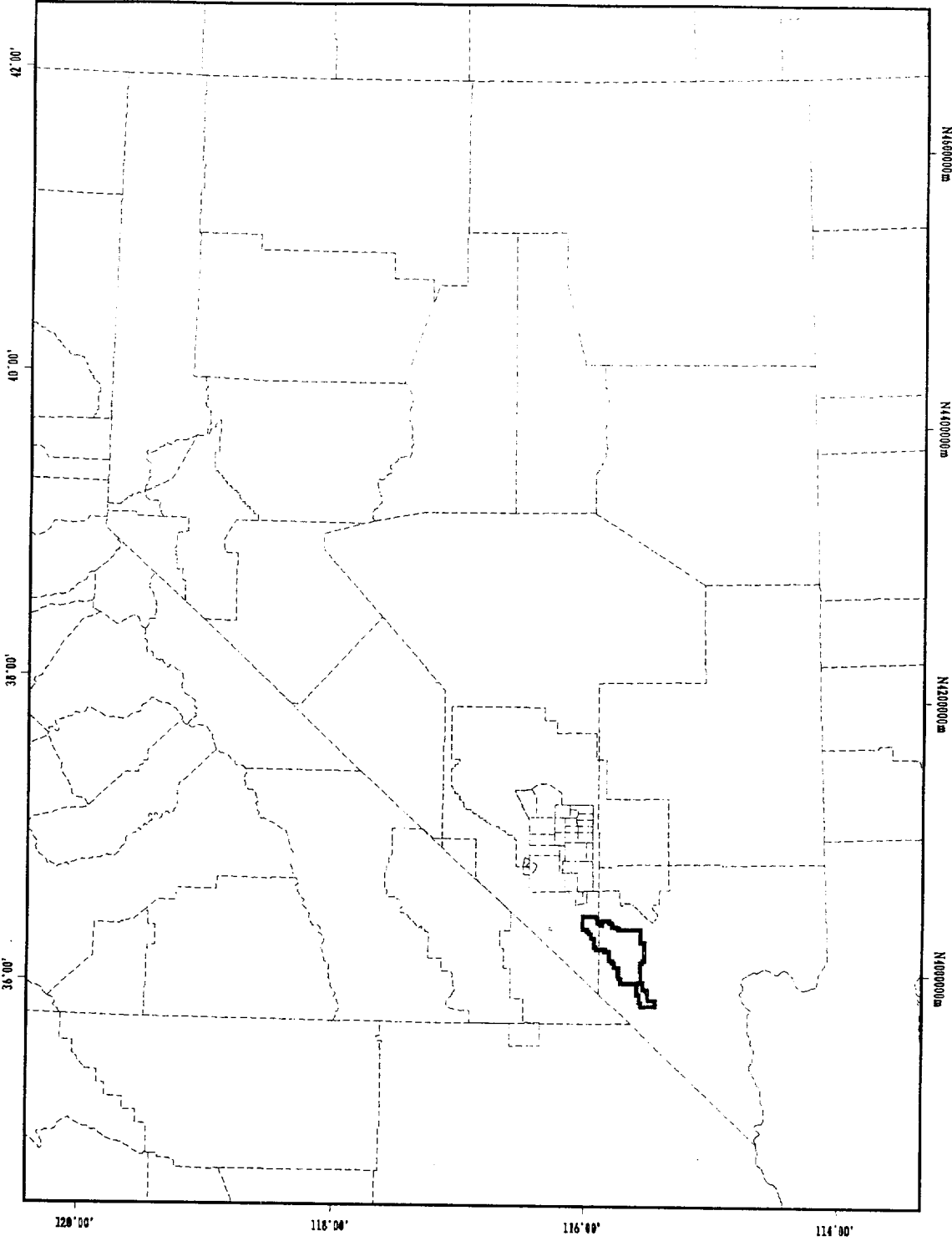
Contact(s): Earth Science Information Center
U.S.Geological Survey
507 National Center
Reston, Virginia 22092
703-860-6045

E200000m

E400000m

E600000m

E800000m



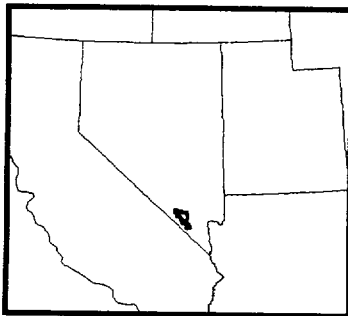
N1460000m

N1440000m

N1420000m

N1400000m

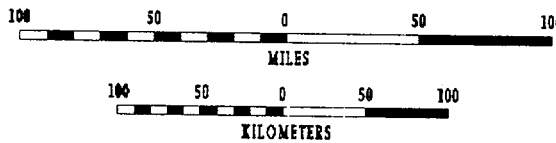
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Toiyabe National Forest

Filename: toiyntf



Filename: city

Description: Major cities in Nevada

Parameter: None

Alias: soe3

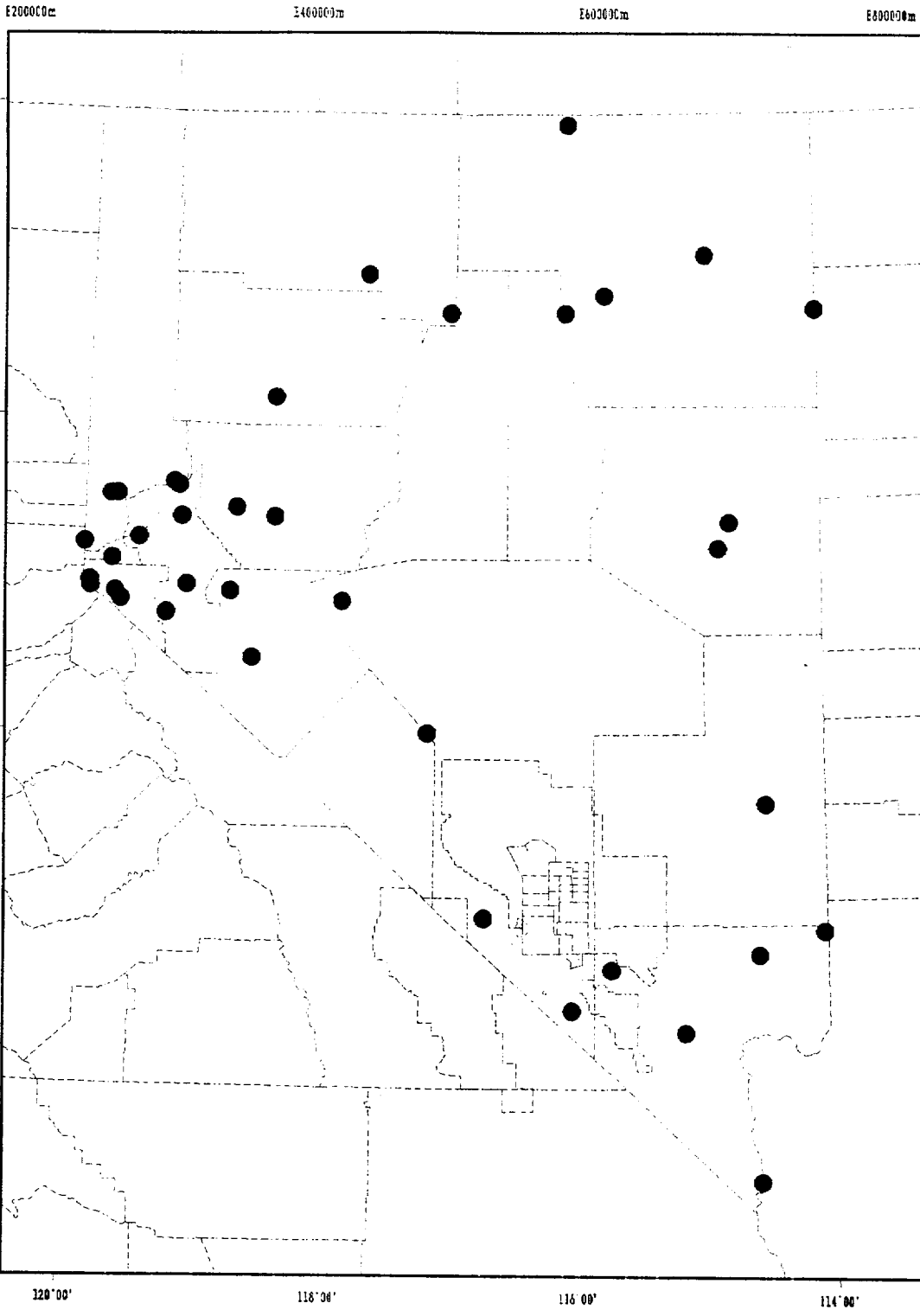
Source: 1990 Census of Population and Housing
Summary Tape File 1A on CD-ROM,
U.S. Department of Commerce Economics
and Statistics Administration, Bureau of
the Census

Geographic Extent: Nevada

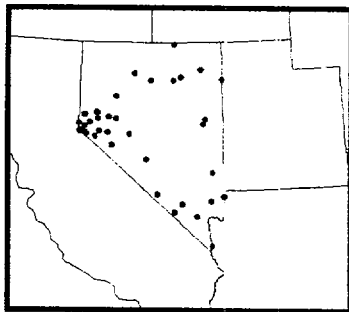
Date Last Edited: 9/12/93

Original Source Scale: 1:100,000

Contact(s): GENISES YMP Database



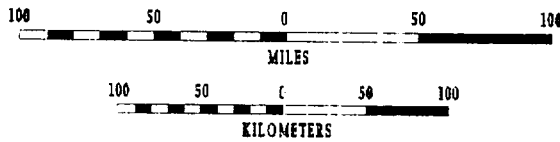
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Major Cities

Filename: city



Filename: staco

Description: States and counties

Parameter: None

Alias: bon08

Source: United States Geological Survey
Digital Line Graph

Geographic Extent: Nevada, California, Oregon, Washington,
Idaho, Montana, Utah, New Mexico,
Arizona

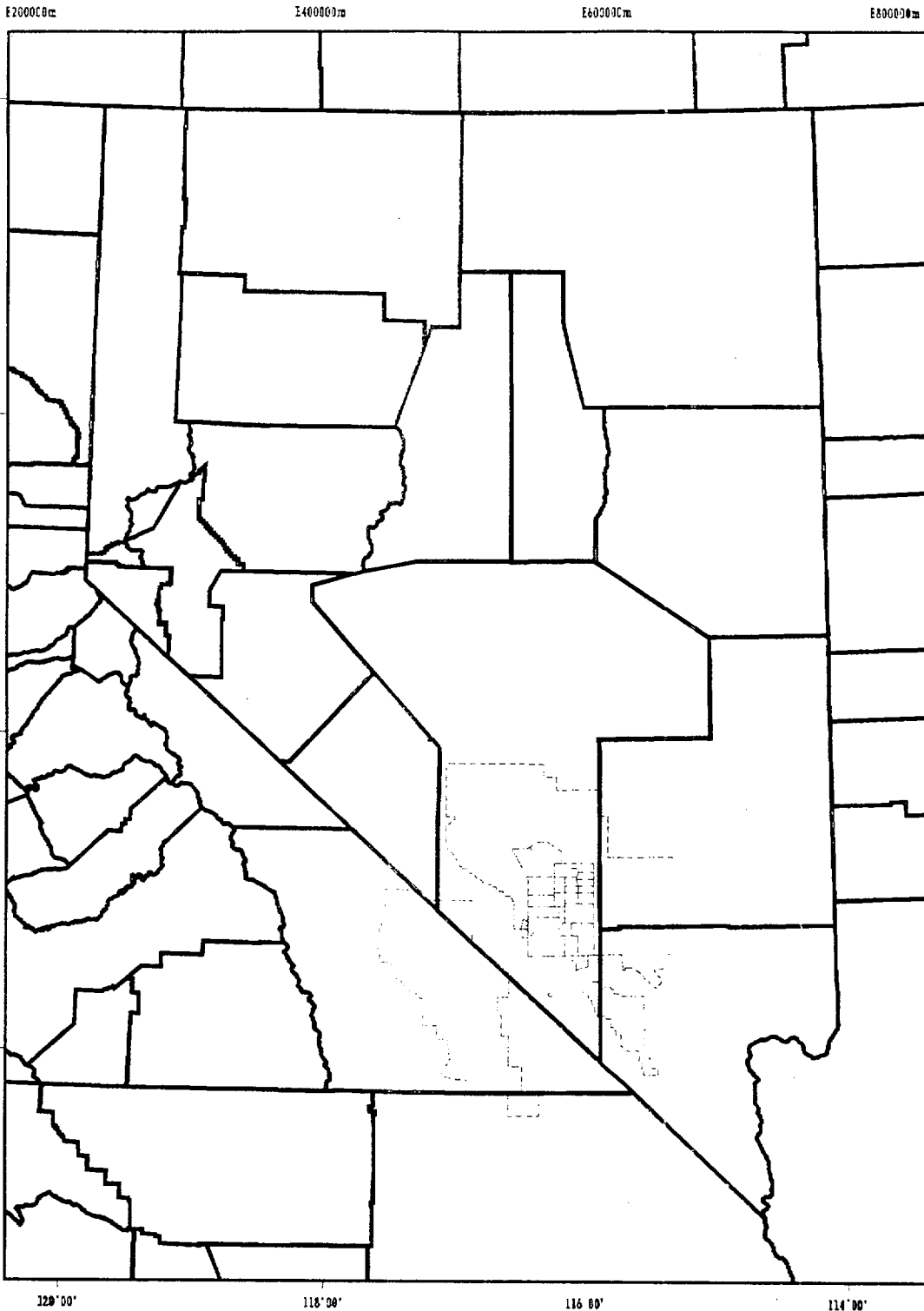
Date Last Edited: 9/24/93

Original Source Scale: 1:2,000,000

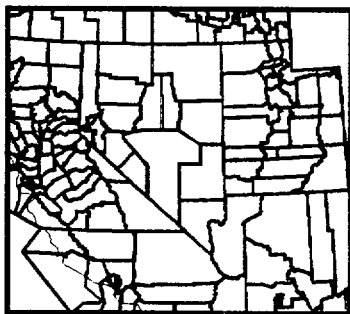
Minimum Mapping Unit: 50.8 meters

Input Accuracy: Manually digitized using equipment with a
resolution of 0.001 inch and an absolute
accuracy of from 0.003 to 0.005 inch

Contact(s): Earth Science Information Center
U.S. Geological Survey
507 National Center
Reston, Virginia 22092
703-860-6045



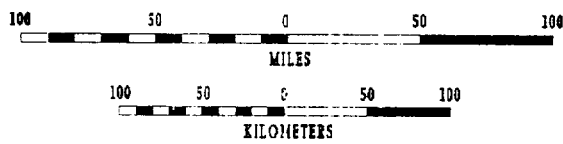
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

States and Counties

Filename: staco



Filename: withdra

Description: BLM land withdrawal

Parameter: None

Alias: withdraw

Source: 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, 43 CFR Public Land Order 6802

Geographic Extent: Yucca Mountain, Nevada

Date Last Edited: 9/9/93

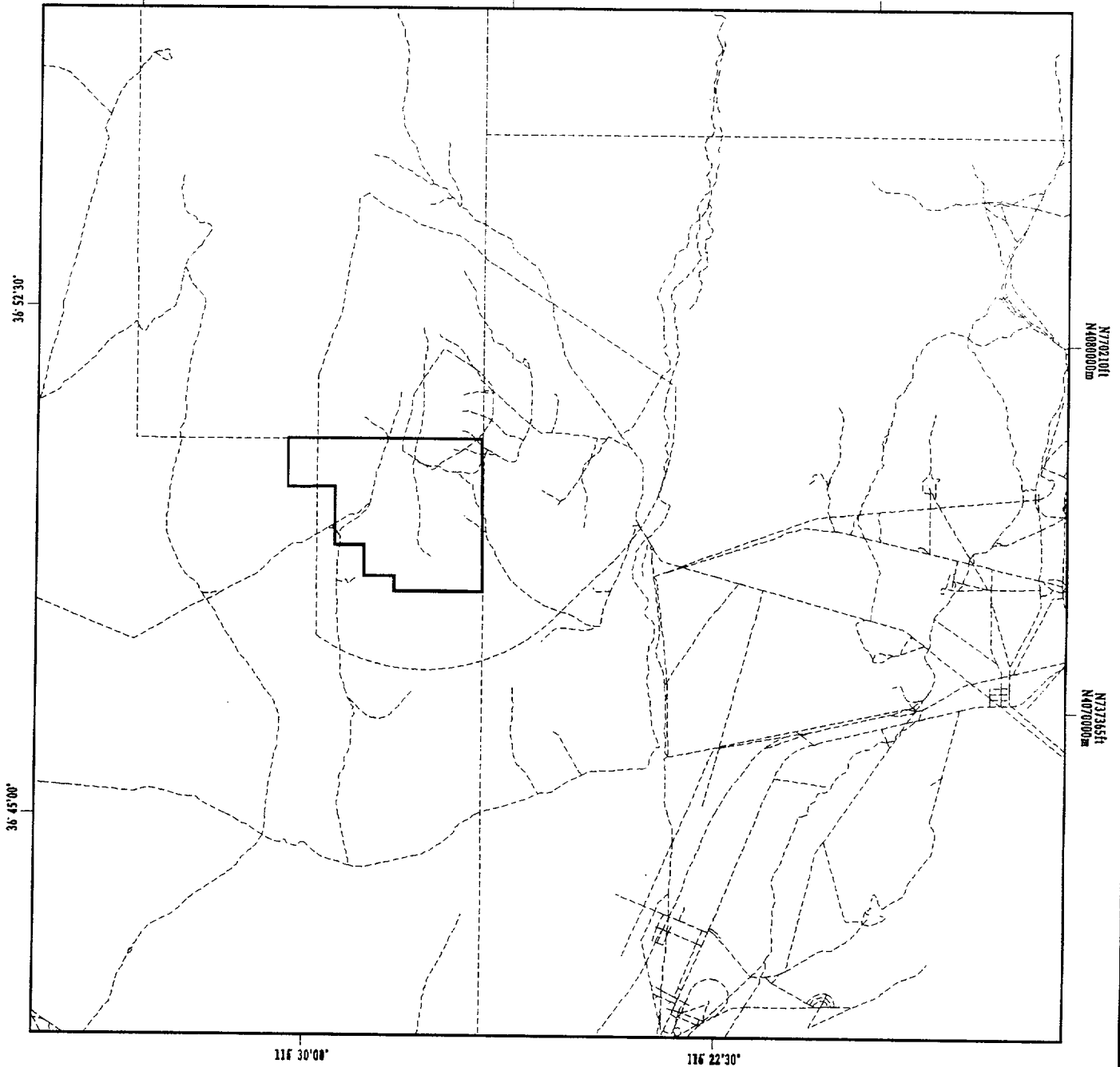
Original Scale Source: n/a

Contact(s): Mary Clark
Bureau of Land Management
Nevada State Office
P. O. Box 12000
Reno, Nevada 89520
702-785-6530

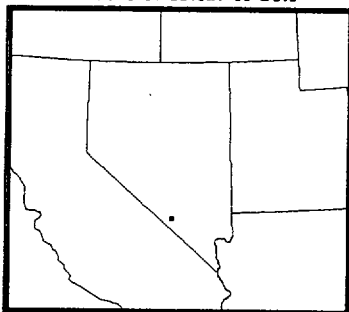
E533840ft
E540000m

E566660ft
E550000m

E599475ft
E560000m



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

BLM Land Withdrawal

Filename: withdra

Filename: cab

Description: Conceptual Controlled Area Boundary

Parameter: None

Alias: bon04, ccab

Source: Sandia National Laboratories Product
Number CAL0166, September 26, 1992

Geographic Extent: Yucca Mountain, Nevada

Date Last Edited: 9/24/93

Original Source Scale: 1:2,500

Contact(s): Les Shephard
Sandia National Laboratories
505-844-9160

David Eley
Sandia National Laboratories
505-844-7476

E550245ft
E545000m

E566660ft
E550000m

E583075ft
E555000m

36° 52' 30"

36° 50' 00"

36° 47' 30"

116° 30' 00"

116° 27' 30"

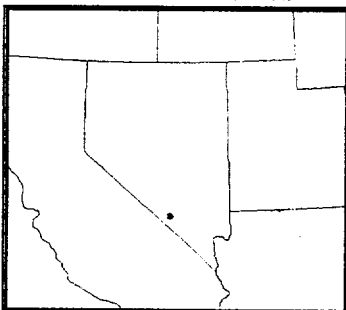
116° 25' 00"

116° 22' 30"

N770210ft
N4080000m

N753950ft
N4075000m

General Extent of Data



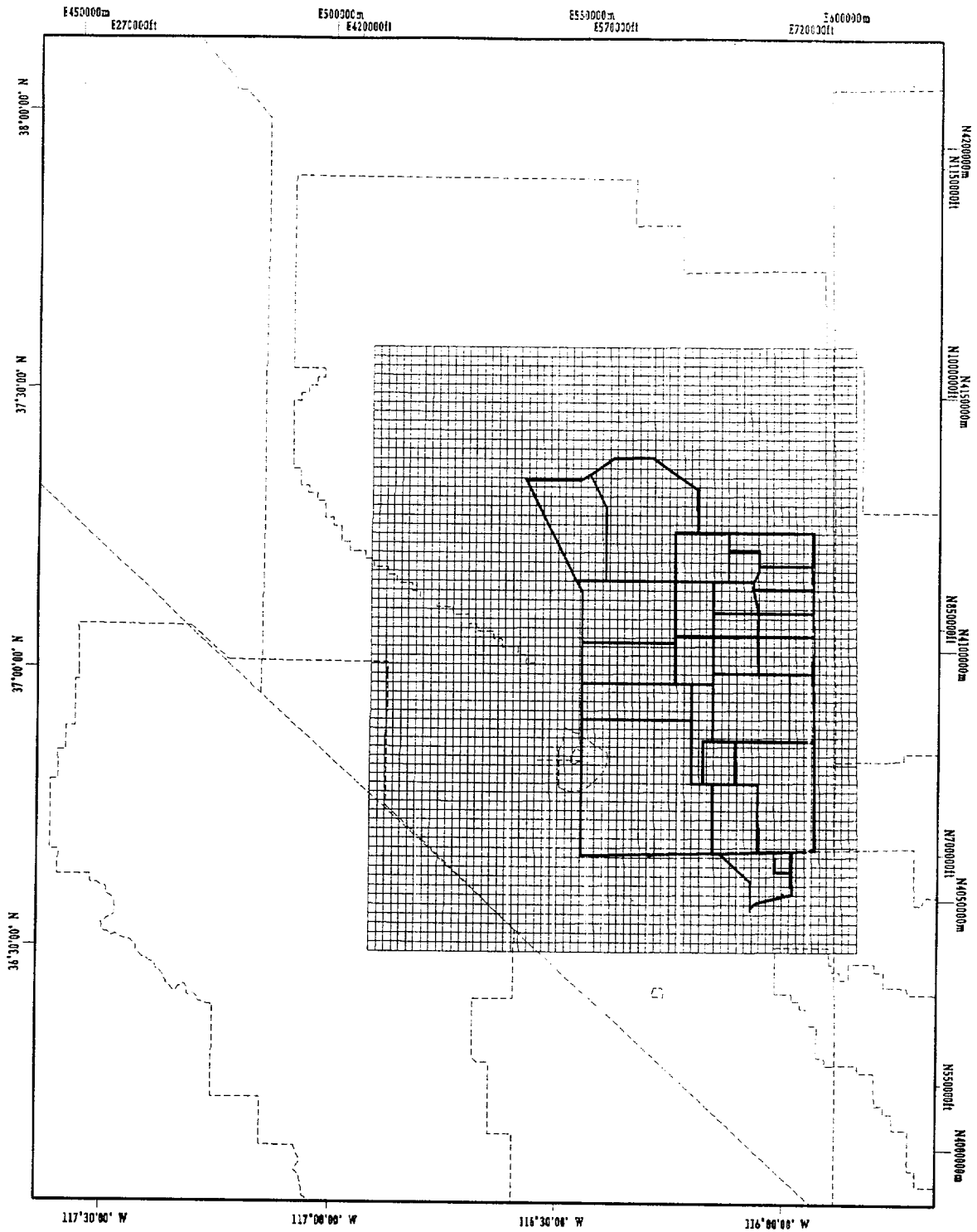
YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Conceptual Controlled Area

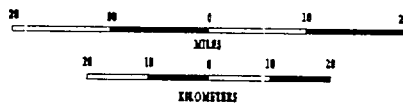
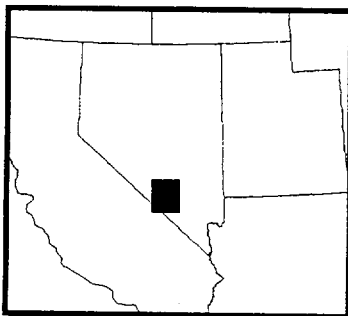
Filename: cab



Filename: ergrid
Description: Emergency response grid
Parameter: None
Alias: bon12
Source: Generated with GIS using automated gridding utility
Geographic Extent: Nevada Test Site and 10 mile buffer
Date Last Edited: 6/13/93
Original Source Scale: n/a
Contact(s): GENISES YMP Database



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Emergency Response Grid

Filename: ergrid

Filename: pro

Description: Potential Repository Outline

Parameter: None

Alias: bon05, pdb

Source: Raytheon Services Nevada, Drawing
Number YMP-025-2-MING-M102,
Revision 1

Geographic Extent: Yucca Mountain, Nevada

Date Last Edited: 9/24/93

Original Source Scale: 1:500

Contact(s): William Kopatich
Raytheon Services Nevada
101 Convention Center Drive
Las Vegas, Nevada 89109
702-794-7014

E350245ft
E343000m

E56666ft
E55000m

E583075ft
E55500m

36° 52' 30"

36° 50' 00"

36° 47' 30"

N770210ft
N4080000m

N753950ft
N4075000m

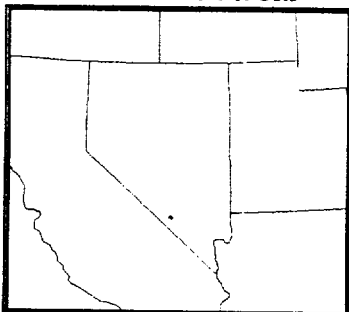
116° 30' 00"

116° 27' 30"

116° 25' 00"

116° 22' 30"

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Potential Repository Outline

Filename: pro



Filename: usearea

Description: Potentially Useable Areas

Parameter: None

Alias: usablearea

Source: Preliminary Evaluation of the Subsurface Area Available for a Potential Nuclear Waste Repository at Yucca Mountain, Report SAND84-0175, UCJ-70, Figure 3, Sandia National Laboratory, 1984

Geographic Extent: Yucca Mountain, Nevada

Date Last Edited: 9/20/93

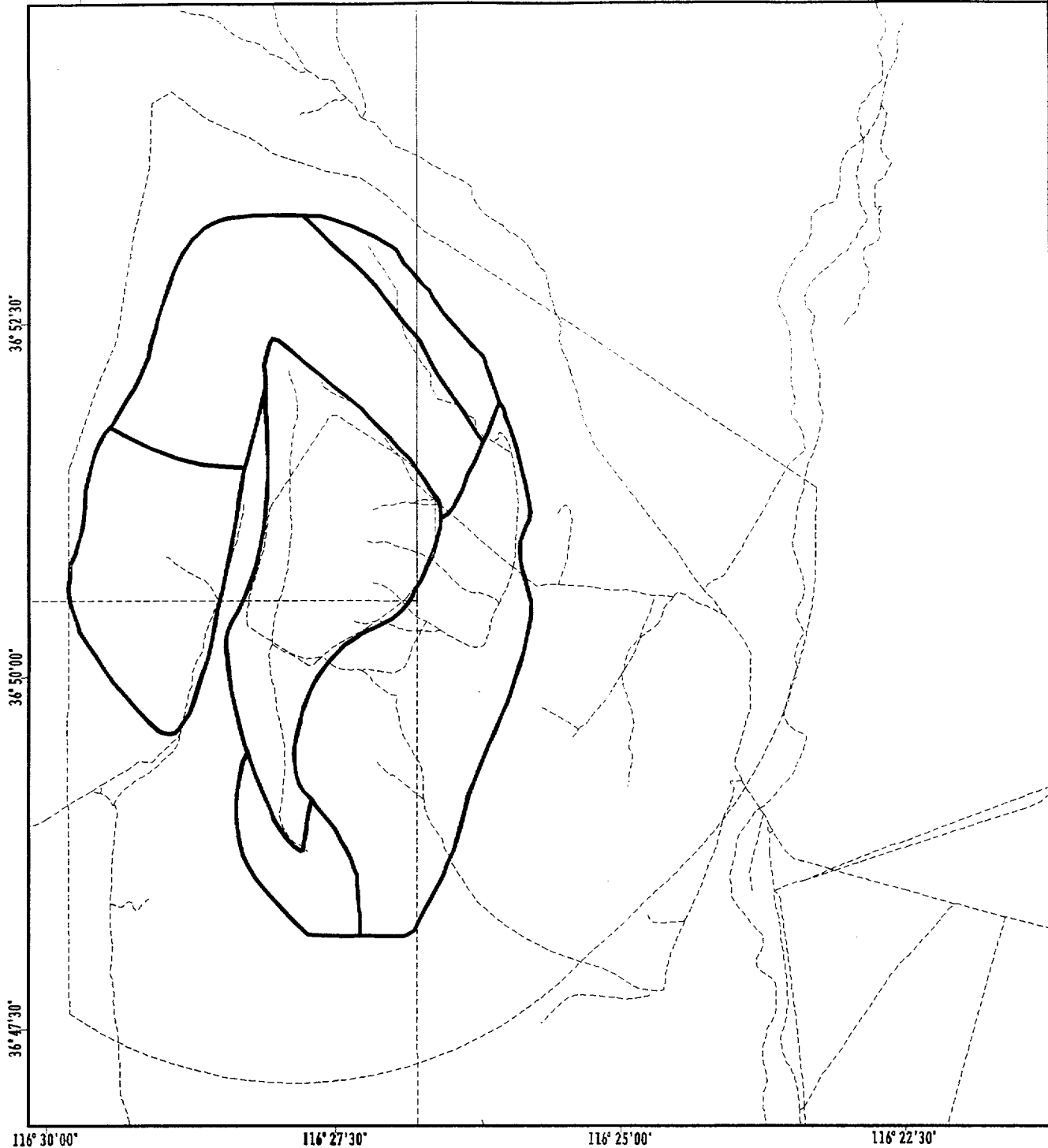
Original Source Scale: 1:82,000

Contact(s): Arthur J. Mansure
Sandia National Laboratories
Albuquerque, New Mexico 87165

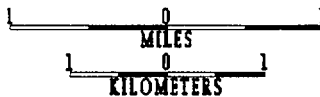
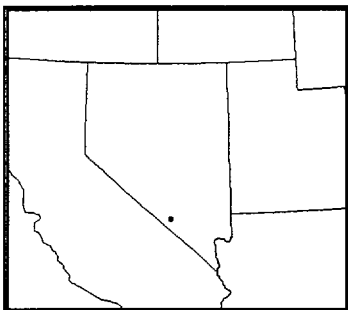
E550245ft
E545000m

E566660ft
E550000m

E583075ft
E555000m



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Potentially Useable Areas

Filename: usearea

Filename: twiez

Description: Test and Waste Isolation Evaluation Zone

Parameter: None

Alias: bon16

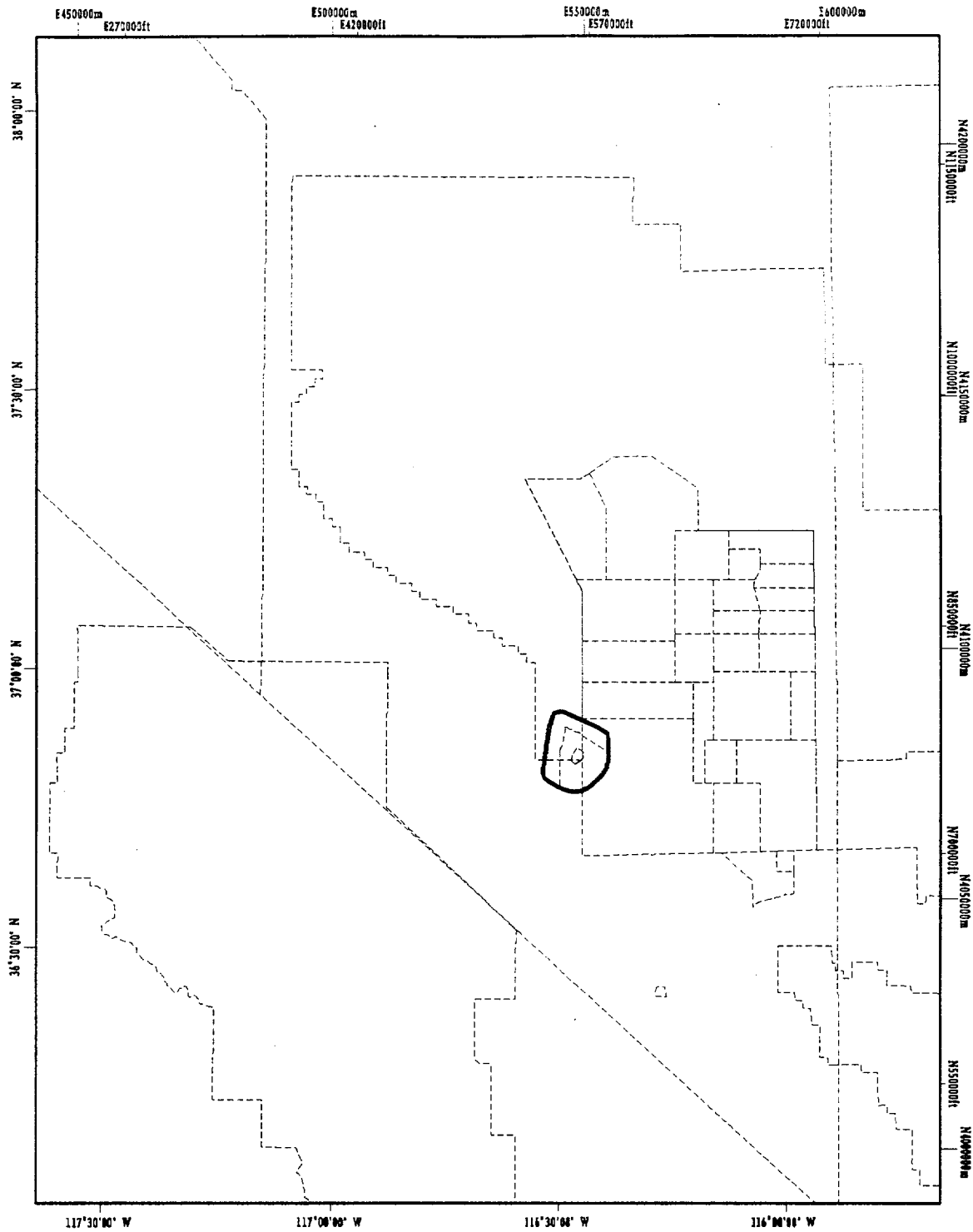
Source: U. S. Department of Energy
Yucca Mountain Site Characterization
Project Office

Geographic Extent: Yucca Mountain

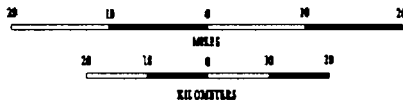
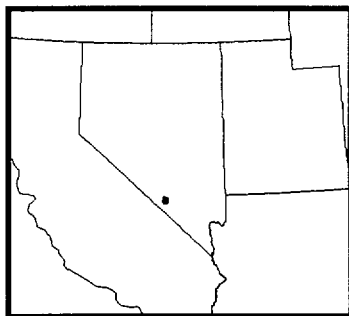
Date Last Edited: 9/4/93

Original Source Scale: Not provided by source

Contact(s): GENISES YMP Database



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Test and Waste
Isolation Evaluation Zone

Filename: twiez

Filename: core

Description: Right of way reservation agreement referred to as the CORE

Parameter: None

Alias: bon11

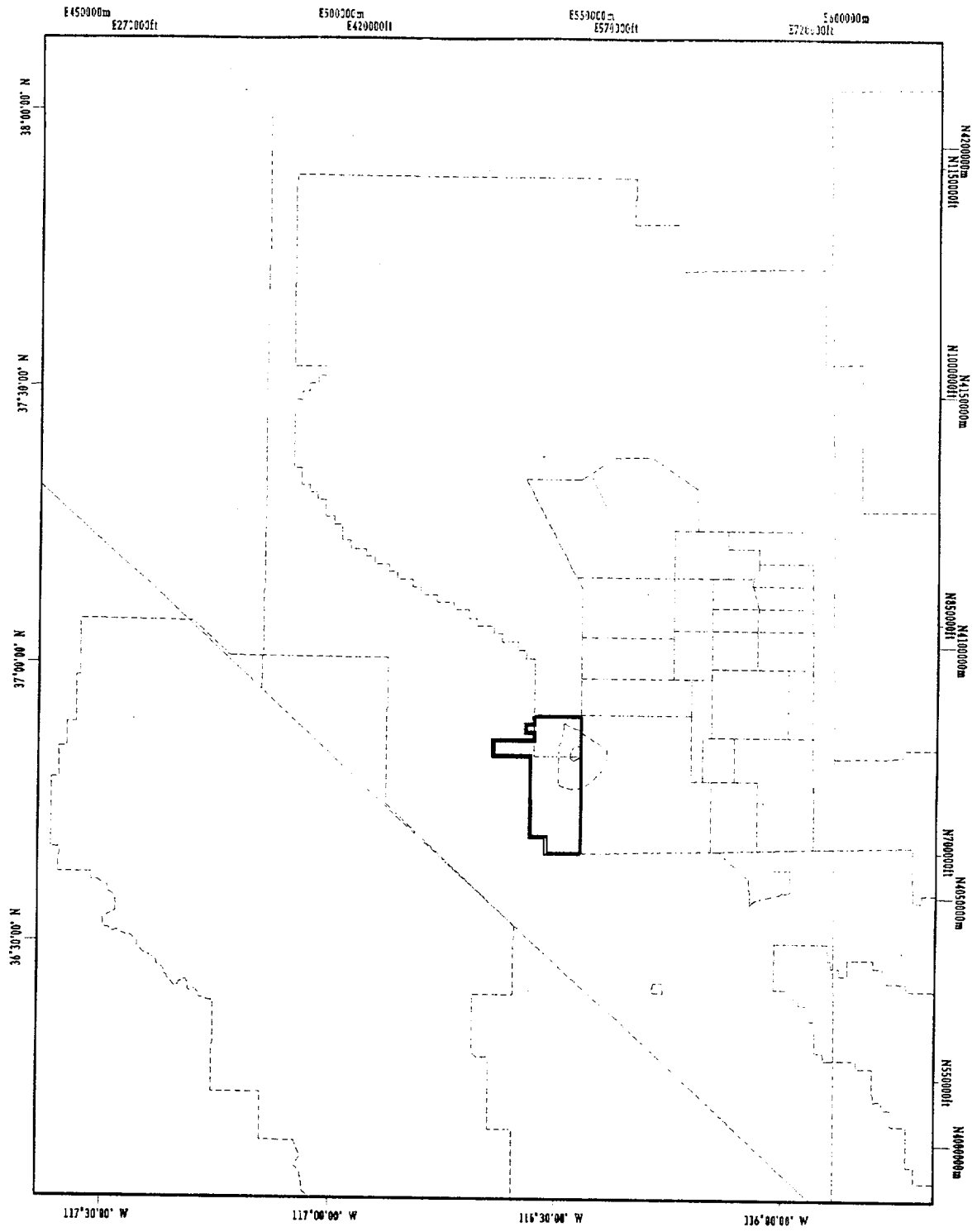
Source: Right-of-Way Reservation N-48602, 2800 (NV-943.2), U.S. Department of Interior, Bureau of Land Management

Geographic Extent: Yucca Mountain

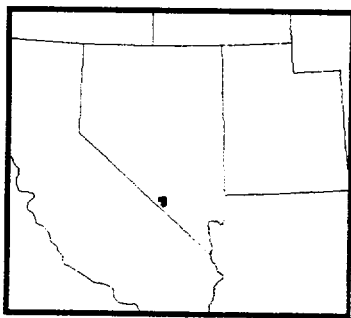
Date Last Edited: 3/16/93

Original Source Scale: n/a

Contact(s): GENISES YMP Database



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

CORE Area

Filename: core



Filename: ranch

Description: Ranch area of the Nevada Test Site

Parameter: None

Alias: bon10

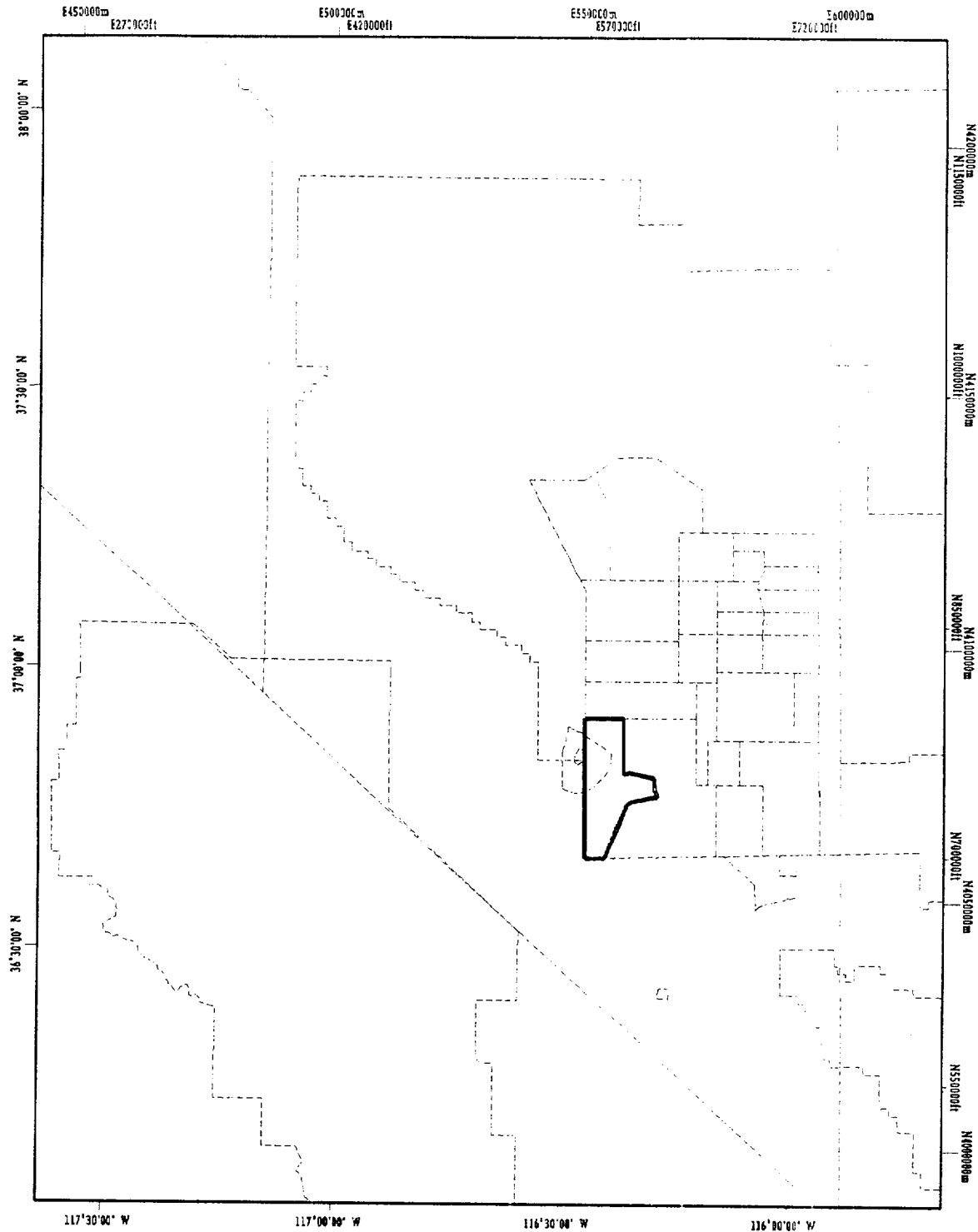
Source: Field Management Plan
YMP/CC-0018, Revision 1,
U.S. Department of Energy, 1991

Geographic Extent: Nevada Test Site

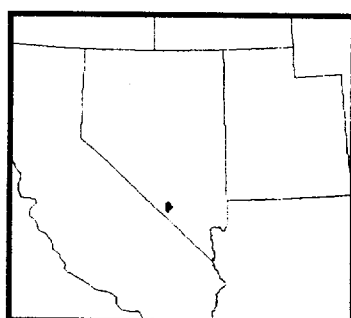
Date Last Edited: 4/21/93

Original Source Scale: 1:40,000

Contact(s): GENISES YMP Database



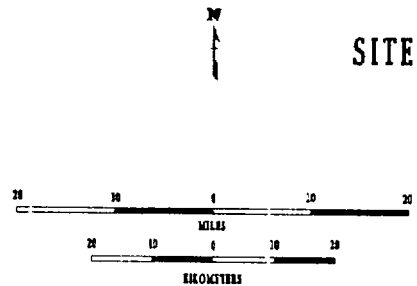
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

The Ranch

Filename: ranch



Filename: ortho6

Description: Orthophotography, 1:6,000 scale

Parameter: None

Alias: bon20, 0p6k

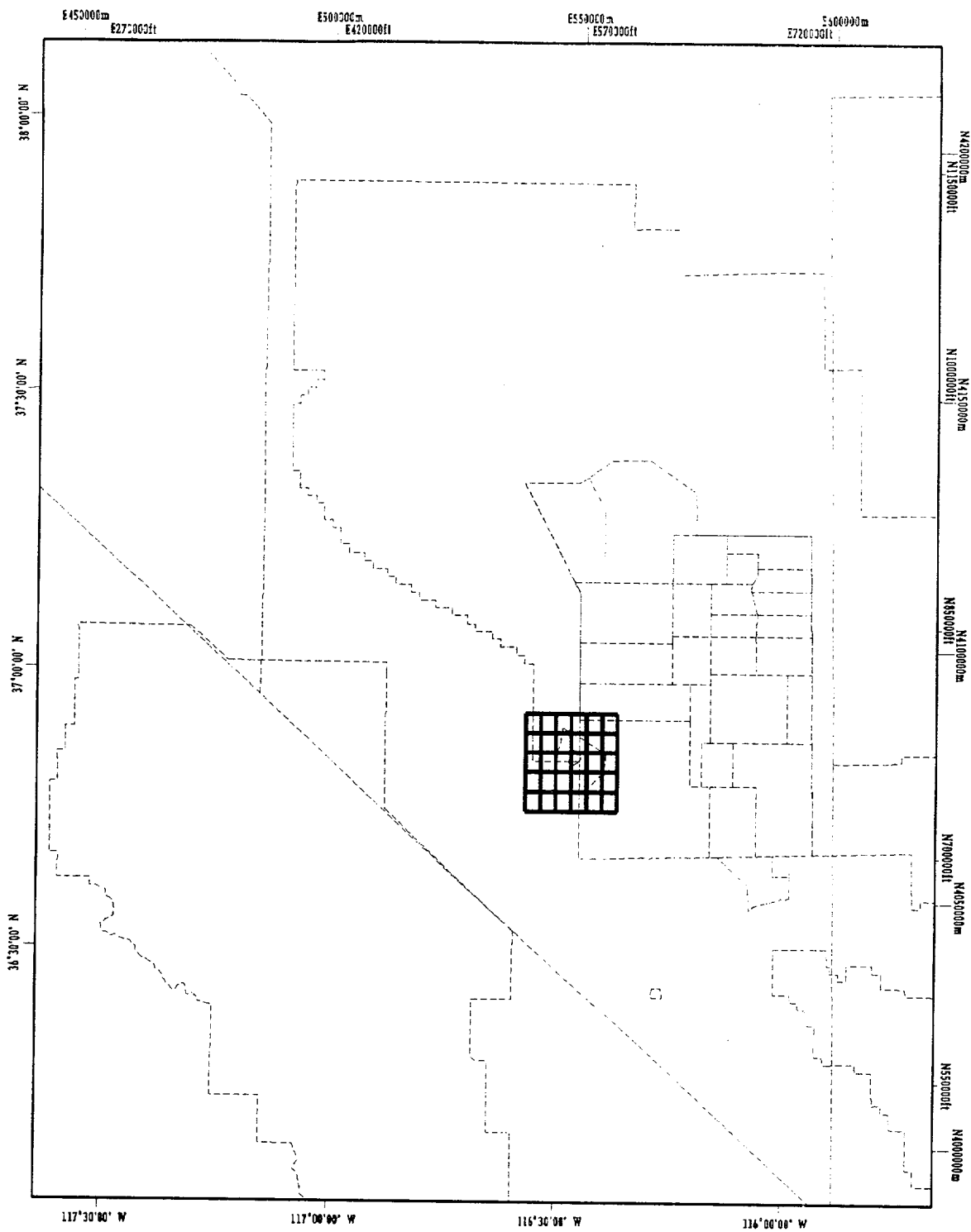
Source: Orthophotography from 1:24,000 scale
aerial photographs, EG&G/EM, July 1990

Geographic Extent: Yucca Mountain area

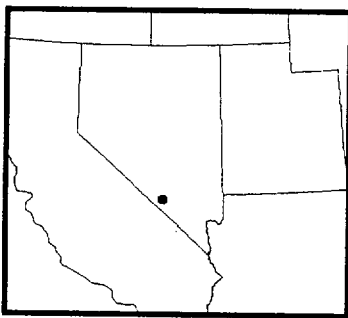
Date Last Edited: 2/21/92

Original Source Scale: 1:24,000

Contact(s): GENISES YMP Database



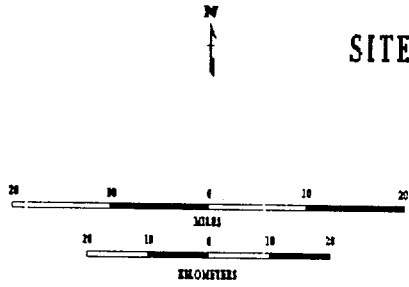
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Orthophotography Basemap
at 1:6,000 Scale

Filename: ortho6



Filename: ortho12

Description: Orthophotography, 1:12,000 scale

Parameter: None

Alias: bon19, op12k

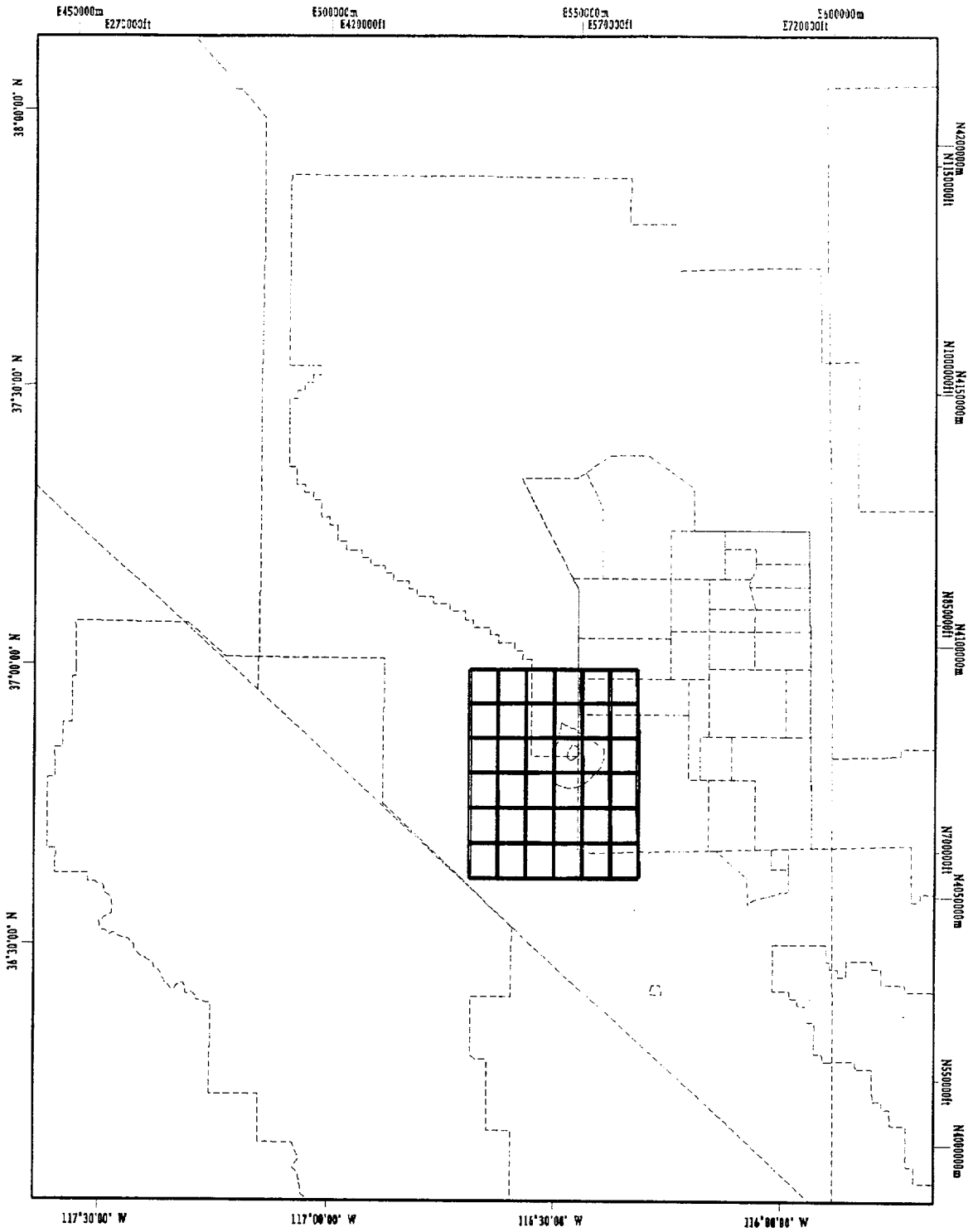
Source: Orthophotography from 1:40,000 scale
aerial photographs, EG&G/EM, July 1990

Geographic Extent: Yucca Mountain vicinity

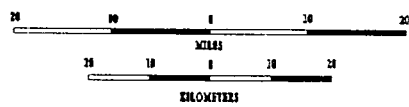
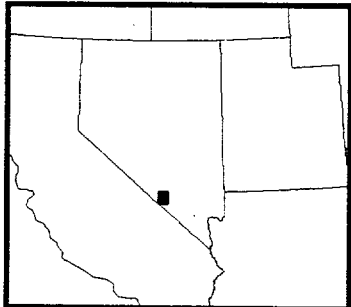
Date Last Edited: 2/21/92

Original Source Scale: 1:40,000

Contact(s): GENISES YMP Database



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Orthophotography Basemap
at 1:12,000 Scale

Filename: orthol2



Filename: plss24k

Description: Public Land Survey System

Parameter: None

Alias: ympplsp

Source: United States Geological Survey
Digital Line Graph Data, public land
survey system layer, 7.5' series including
the following quadrangles and publish
dates: Amargosa Valley, 1983; Ashton,
1987; Beatty Mountain, 1987; Busted
Butte, 1983; Big Dune, 1986; Carrara
Canyon, 1987; Crater Flat, 1986; East of
Beatty Mountain, 1987; Jackass Flat, 1983;
Striped Hills, 1983; Topopah Spring, 1961;
Topopah Spring NW, 1961.

Geographic Extent: Yucca Mountain and vicinity

Date Last Edited: 03/19/91

Original Source Scale: 1:24,000

Contact(s): GENISES YMP Database

E533840ft
E540900m

E566660ft
E550000m

E599475ft
E560000m

36° 52' 30"

N770210ft
N408000m

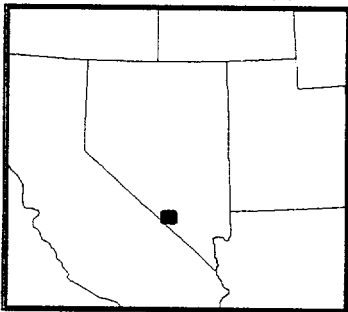
36° 45' 00"

N77355ft
N407000m

116° 30' 00"

116° 22' 30"

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Public Land Survey System

Filename: plss24k



Filename: survey

Description: Survey reference points

Parameter: None

Alias: bon03

Source: Raytheon Services Nevada Master Control File of control points for Yucca Mountain Site Characterization Project; Raytheon Services Nevada Ground Control points; Raytheon Services Nevada Control Points Surveyed for NRDS; Coast&Geodetic Survey field sketches Nev30, Nev31-1, Nev12-11; UGD Nevada Test Site Master; USGS Pahute Mesa Project Master; USGS Location of Bare Mountain benchmark; USGS Big Dune Reprint Project

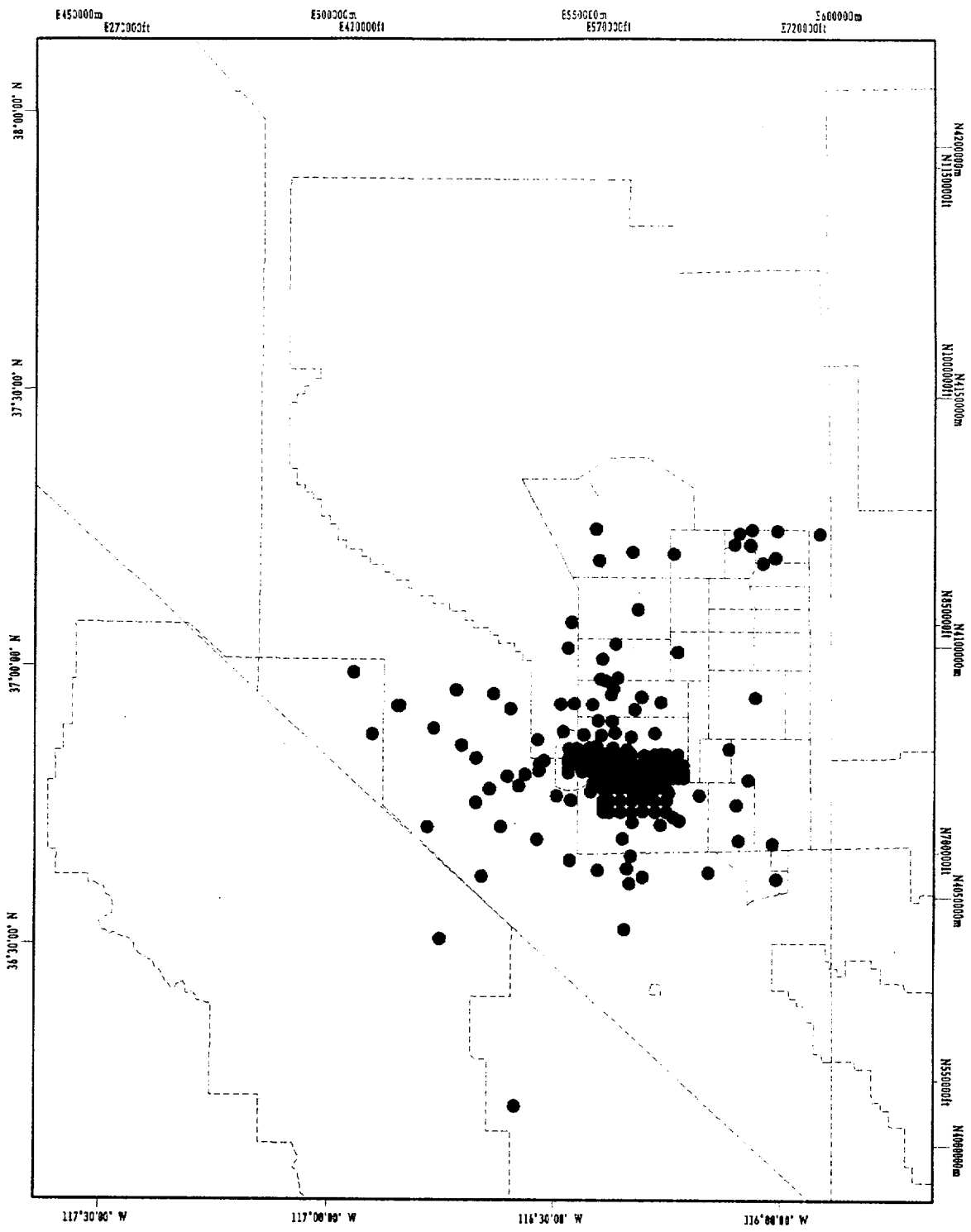
Geographic Extent: Southern Nye County, Nevada

Date Last Edited: September 1993

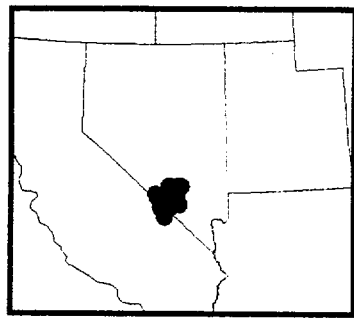
Original Source Scale: Surveyed coordinate data

Positional Accuracy: Third order survey

Contact(s): U. S. Geological Survey
P.O. Box 25425
Federal Center
Denver, Colorado 80225



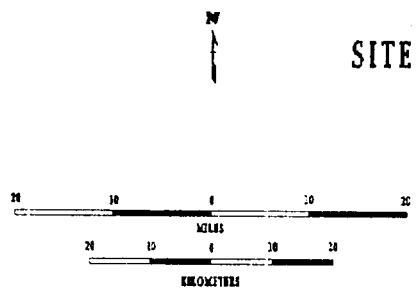
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

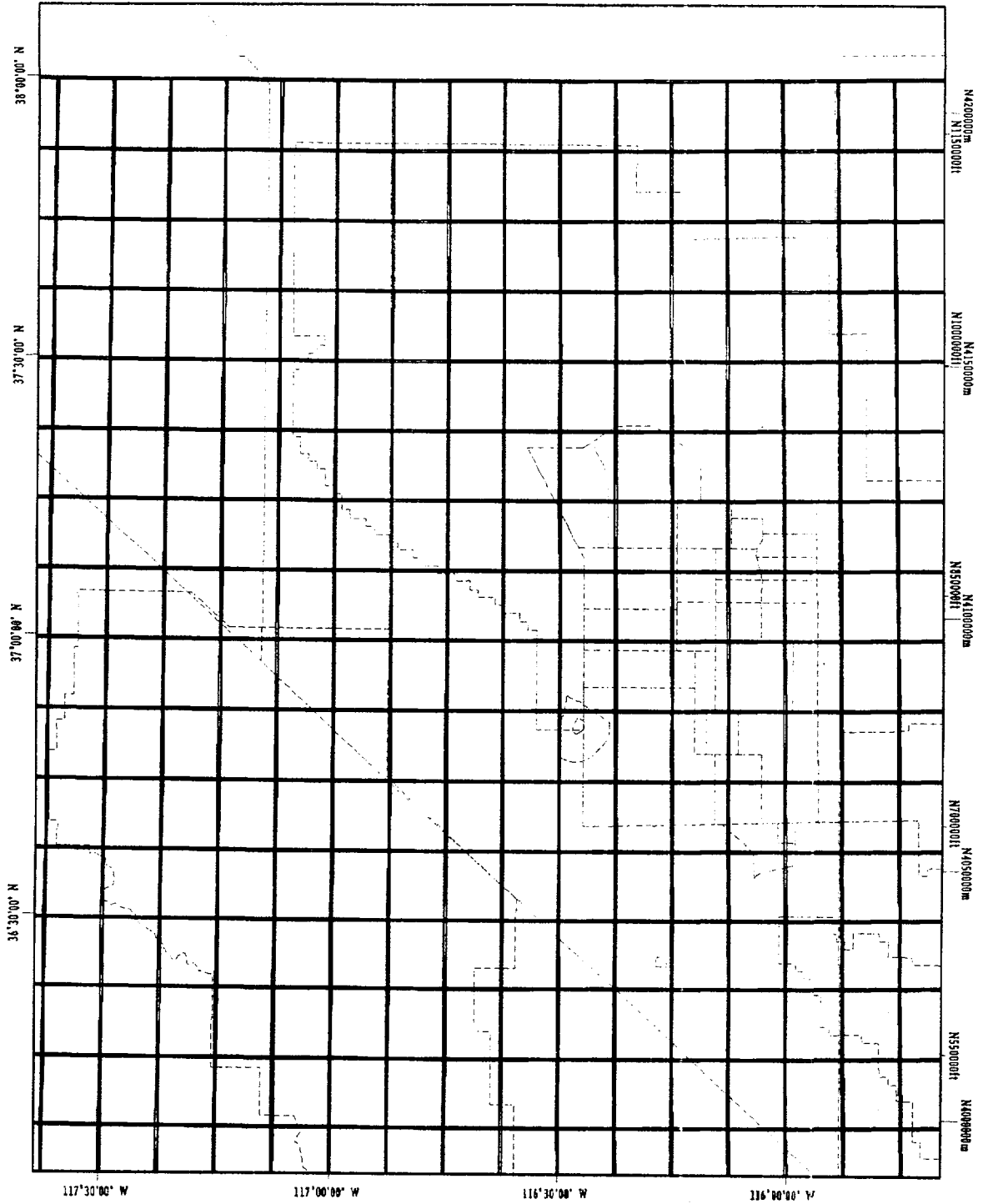
Survey Reference Points

Filename: survey

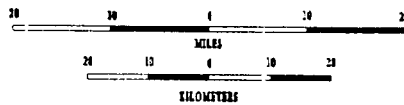
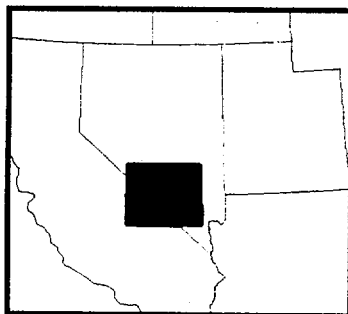


Filename: quads
Description: 7.5 Minute USGS quadrangle index
Parameter: None
Alias: bon15
Source: Generated with GIS using automated gridding utility
Geographic Extent: S. Nevada and vicinity
Date Last Edited: 9/21/93
Original Source Scale: n/a
Contact(s): GENISES YMP Database

E450000m E272000ft E500000m E420000ft E550000m E570000ft E600000m E726000ft



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

7.5 Minute Grid

Filename: quads

DESIGN

Filename: esf

Description: Exploratory Studies Facilities
general arrangement

Parameter: 15.0 Design
15.1 Design Concepts

Alias: str01

Source: Raytheon Services Nevada Drawing
Number YMP-025-1-CIVL-PLO1, Revision
0, September 27 ,1991

Geographic Extent: Yucca Mountain, Nevada

Date Last Edited: 3/1/92

Original Source Scale: 1:1,000

Contact(s): William Kopatich
Raytheon Services Nevada
101 Convention Center Drive
Las Vegas, Nevada 89109
702-794-7014

E530245ft
E543000m

E566660ft
E550000m

E583075ft
E555000m

38° 52' 30"

38° 50' 00"

38° 47' 30"

N770210ft
N4080000m

N753950ft
N4075000m

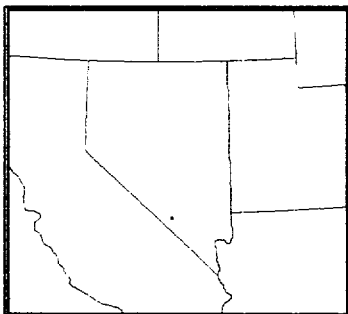
116° 30' 00"

116° 27' 30"

116° 25' 00"

116° 22' 30"

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Exploratory Studies Facilities

Filename: esf



Filename: ramp

Theme: Subsurface access drift configuration for the YMP repository

Parameter: 15.0 Design
15.1 Design Concepts

Alias: str02

Source: Raytheon Services Nevada Drawing Number YMP-025-1-MING-M101

Geographic Extent: Yucca Mountain, Nevada

Date Last Edited: 6/1/1991

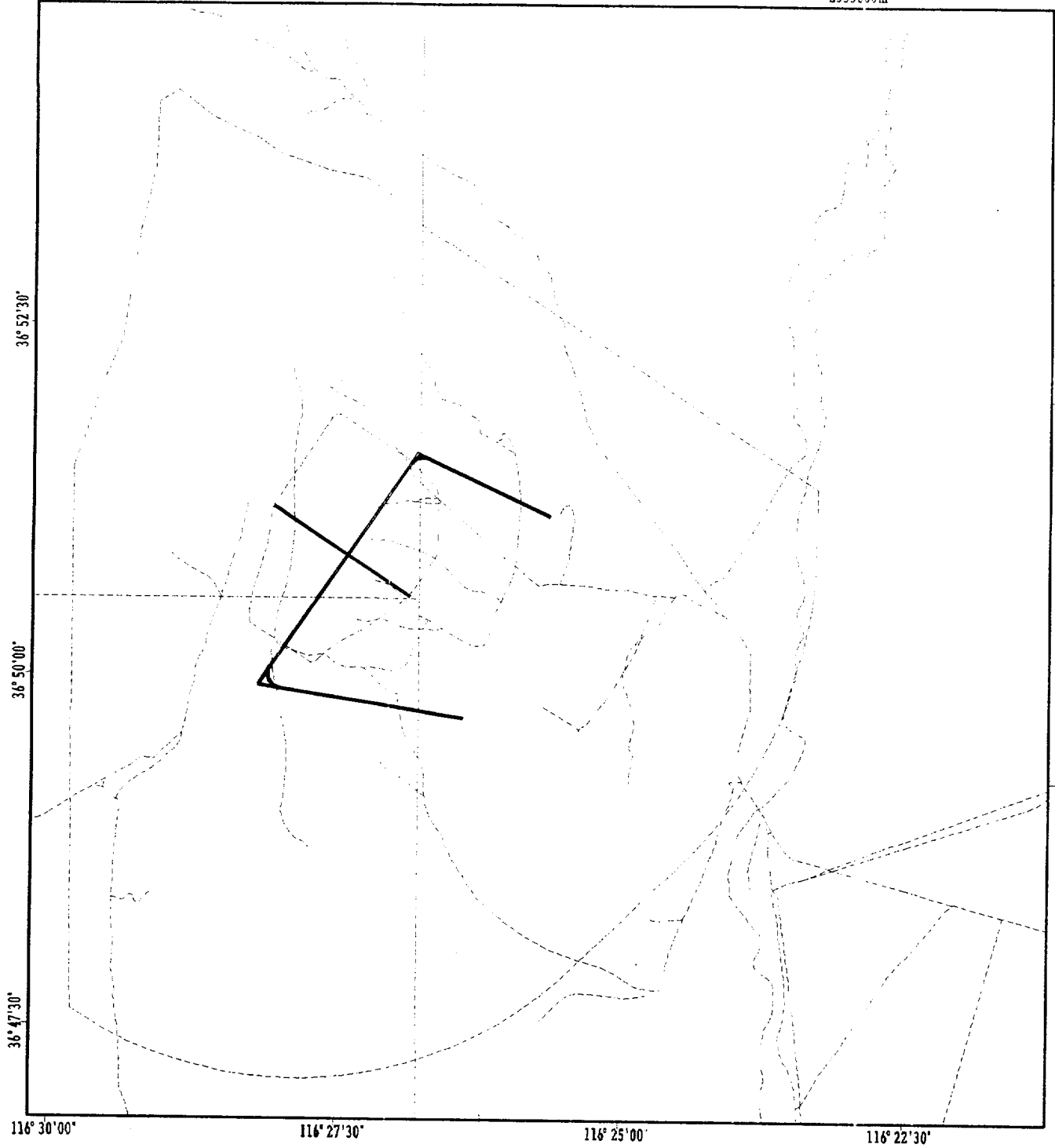
Original Source Scale: 1:500

Contact(s): William Kopatich
Raytheon Services Nevada
101 Convention Center Drive
Las Vegas, Nevada 89109
702-794-7014

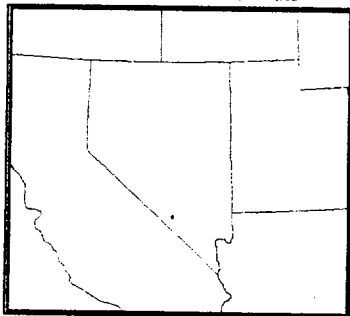
E530245f1
E545000m

E566690f1
E550000m

E583075f1
E555000m



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Proposed Subsurface Access
Ramps and Drifts

Filename: ramp



ENVIRONMENT

Filename: deerplt

Description: Deer forage study plots

Parameter: 8.0 Environmental
8.2 Fauna

Alias: eco04, deer

Source: Yucca Mountain Biological Resources
Monitoring Program Annual Report,
Office of Scientific and Technical
Information, Oak Ridge, Tennessee,
February 1992, Document Reference
Number EGG-10617-2127

Geographic Extent: Yucca Mountain area

Date Last Edited: 9/24/93

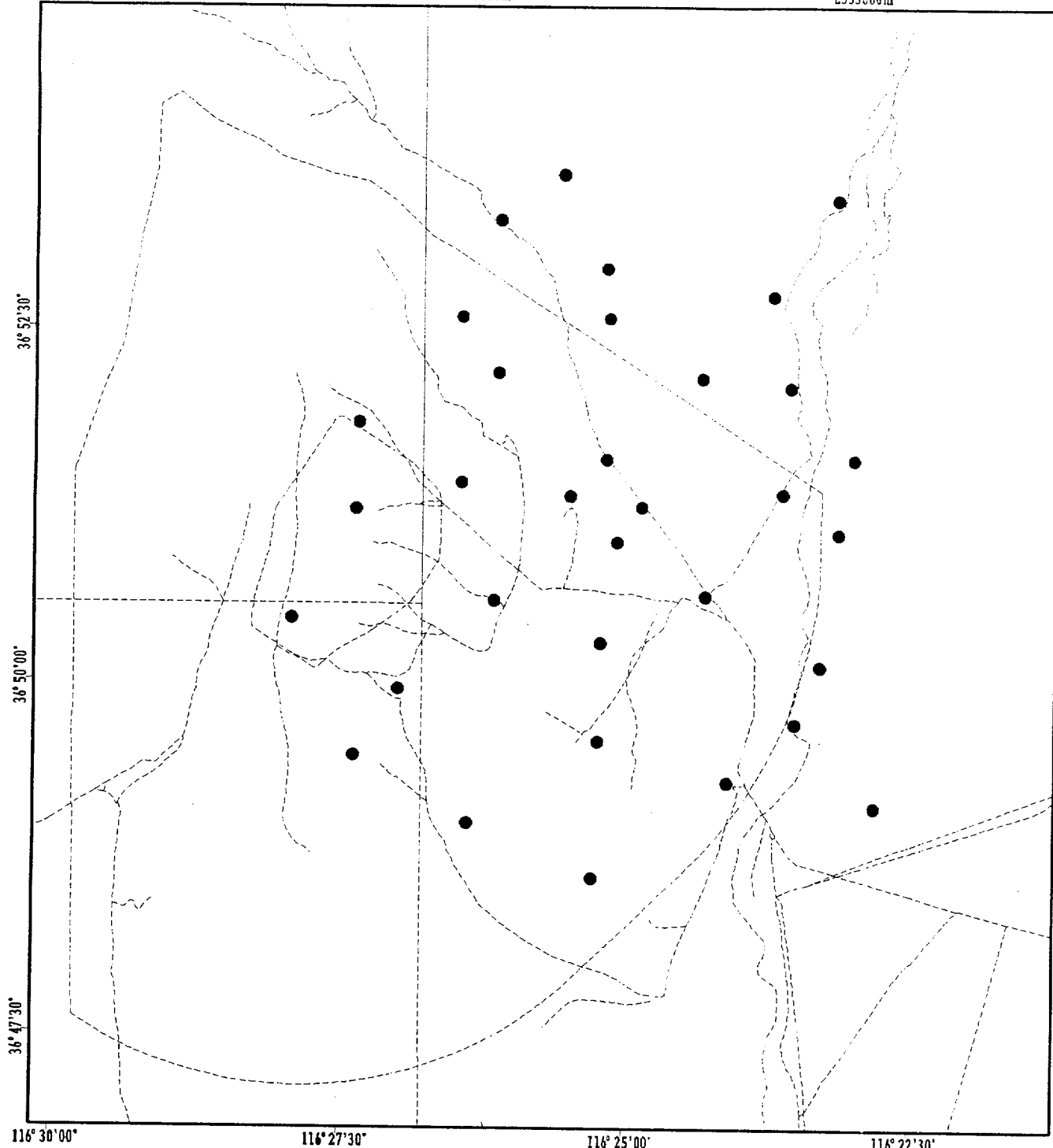
Original Source Scale: 1:24,000

Contact(s): Kent Ostler
EG&G/EM
101 Convention Center Drive
Suite 1010
Las Vegas, Nevada 89109
702-794-7474

E550245ft
E545000m

E566660ft
E550000m

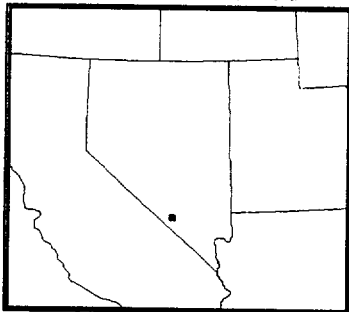
E583075ft
E555000m



N770210ft
N4080000m

N753950ft
N4075000m

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Deer Forage Areas

Filename: deerplt

Filename: ecoplt

Description: Ecological study plots

Parameter: 8.0 Environment
8.1 Flora

Alias: eco01

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

Annotated Field Maps (USGS 7.5' base)
provided by EG&G/EM Environmental
Sciences Department, April 1993

Geographic Extent: Yucca Mountain

Date Last Edited: 2/10/93

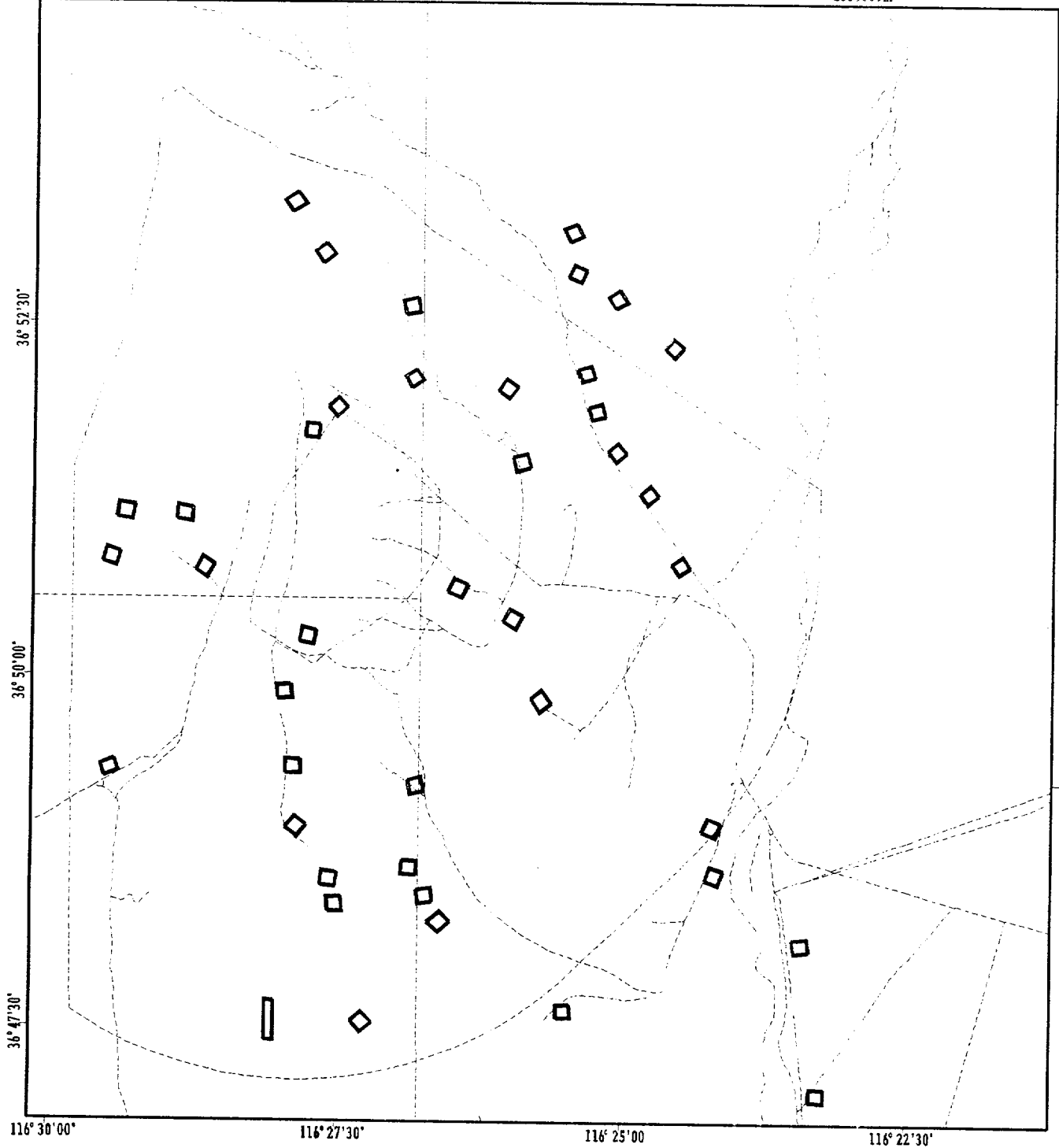
Original Source Scale: 1:24,000

Contact(s): Kent Ostler
EG&G/EM
101 Convention Center Drive
Suite 1010
Las Vegas, Nevada 89109
702-794-7474

E550245ft
E543000m

E566660ft
E550000m

E583075ft
E555300m

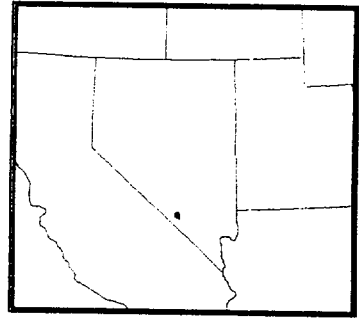


N770210ft
N4080000m

N753950ft
N4075000m

116° 30' 00" 116° 27' 30" 116° 25' 00" 116° 22' 30"

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Ecological Study Plots

Filename: ecopl1



Filename: lagplt

Description: Lagomorph monitoring study plots

Parameter: 8.0 Environmental
8.2 Fauna

Alias: eco07

Source: Yucca Mountain Biological Resources
Monitoring Program Annual Report,
Office of Scientific and Technical
Information, Oak Ridge, Tennessee,
February 1992, Document Reference
Number EGG-10617-2195

Geographic Extent: Yucca Mountain area

Date Last Edited: 9/24/93

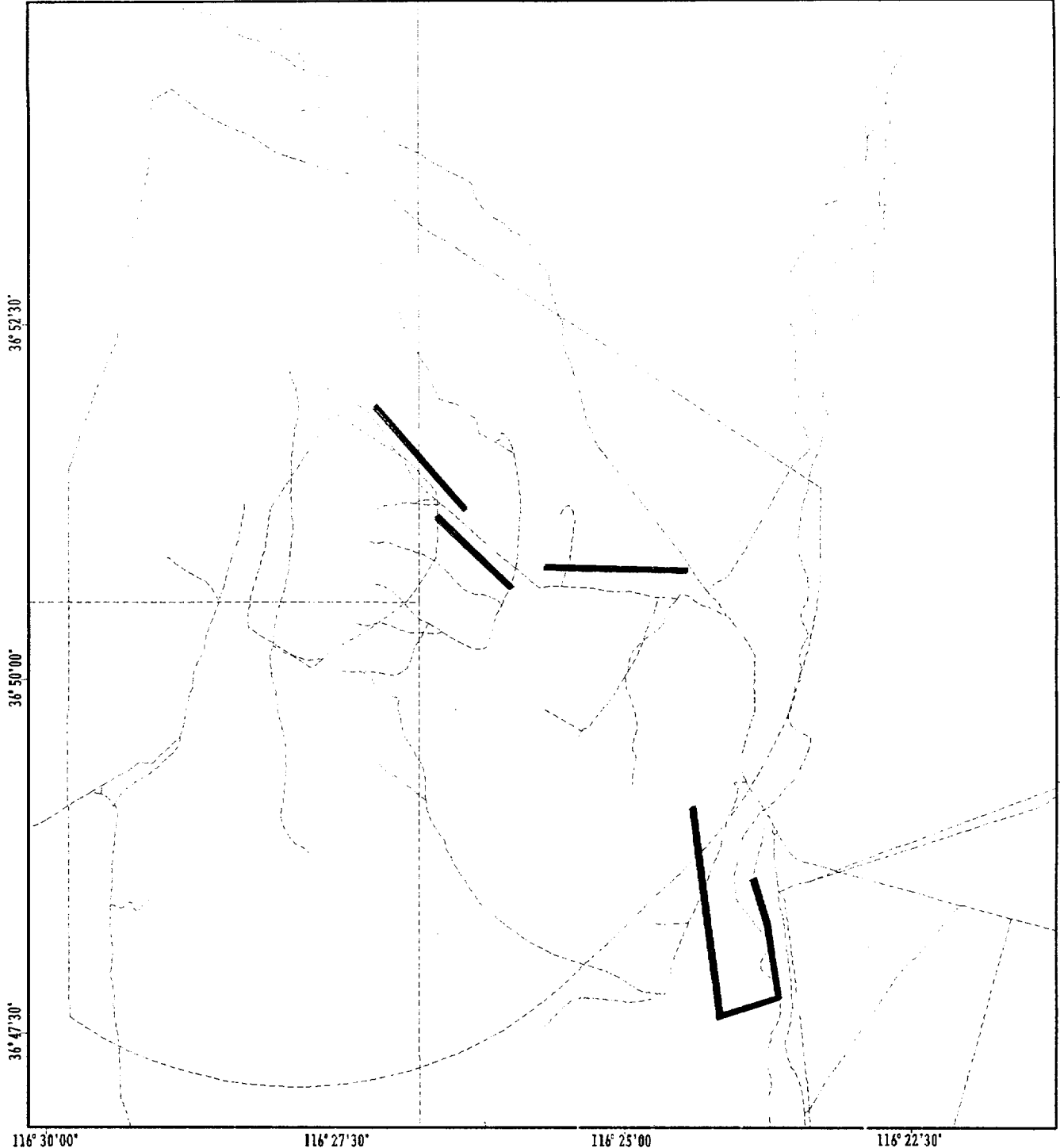
Original Source Scale: 1:24,000

Contact(s): Kent Ostler
EG&G/EM
101 Convention Center Drive
Suite 1010
Las Vegas, Nevada 89109
702-794-7474

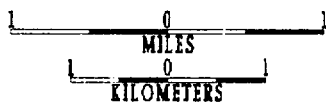
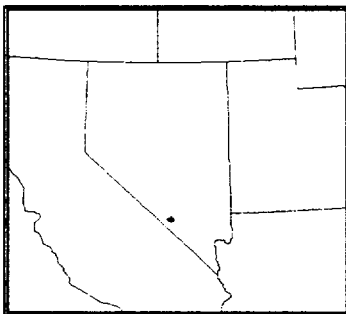
E550245ft
E545000m

E56660ft
E550000m

E583075ft
E555000m



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Lagomorph Monitoring
Study Plots

Filename: lagplt



Filename: predplt

Description: Predator monitoring study plots

Parameter: 8.0 Environmental
8.2 Fauna

Alias: eco03, pred

Source: Yucca Mountain Biological Resources
Monitoring Program Annual Report,
Office of Scientific and Technical
Information, Oak Ridge, Tennessee,
February 1992, Document Reference
Number EGG-10617-2195

Geographic Extent: Yucca Mountain area

Date Last Edited: 9/24/93

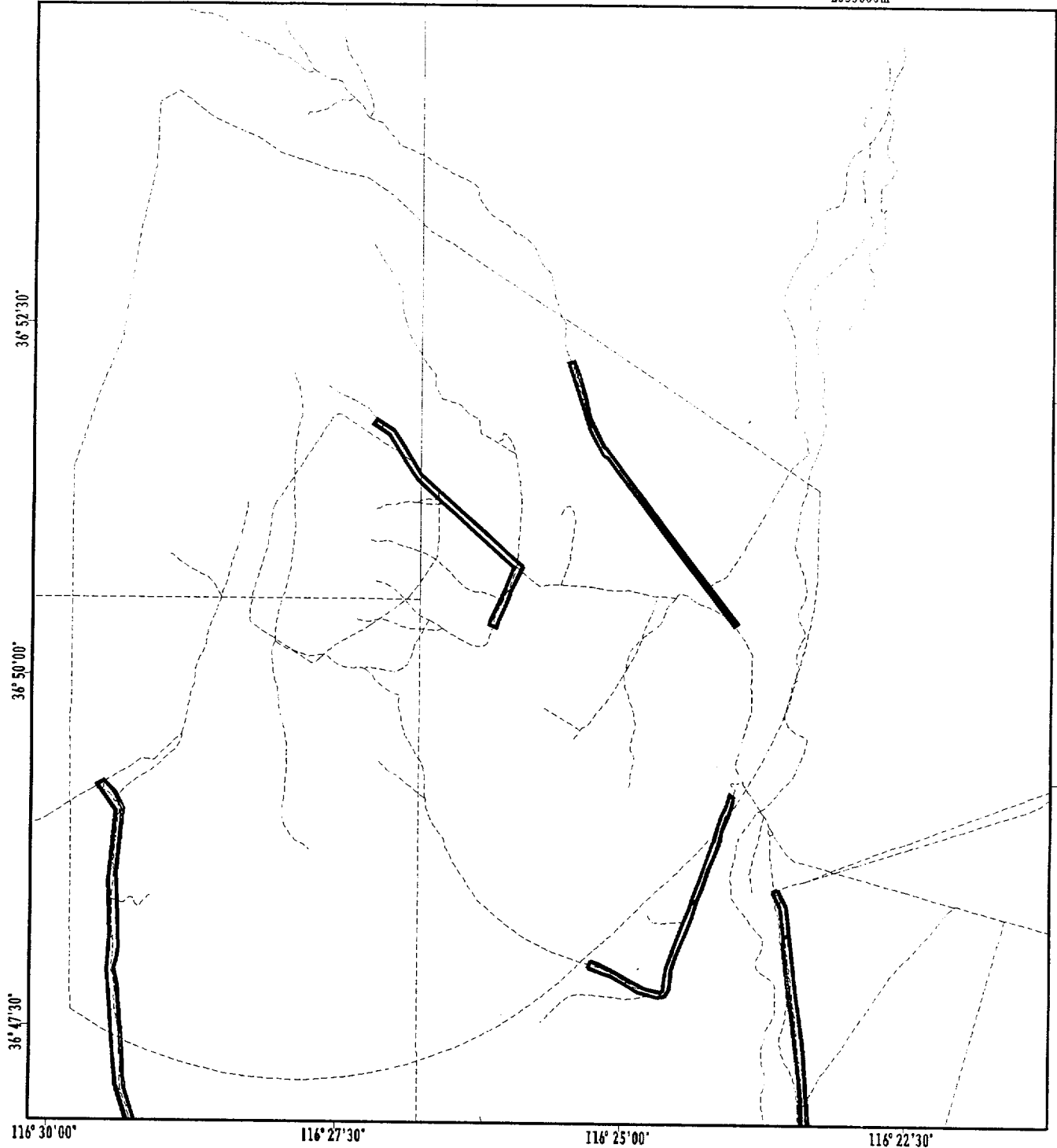
Original Source Scale: 1:24,000

Contact(s): Kent Ostler
EG&G/EM
101 Convention Center Drive
Suite 1010
Las Vegas, Nevada 89109
702-794-7474

E550245ft
E545000m

E566660ft
E530000m

E583075ft
E555000m



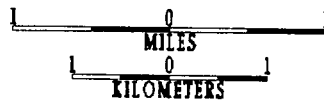
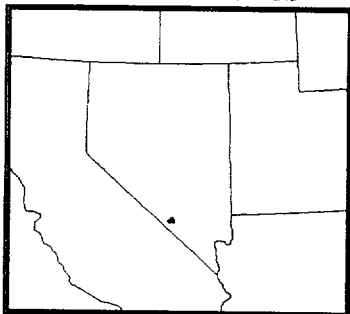
116° 30' 00"

116° 27' 30"

116° 25' 00"

116° 22' 30"

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Predator Survey Routes

Filename: predplt

Filename: radmon

Description: Radiological monitoring study plots

Parameter: 8.0 Environmental
8.3 Radiation

Alias: eco02

Source: Yucca Mountain Site Characterization
Project Environmental Field Activity Plan
for Terrestrial Ecosystems, U.S.
Department of Energy, Document
Reference Number YMP/91-41, March 1992

Geographic Extent: Yucca Mountain

Date Last Edited: 2/10/93

Original Source Scale: 1:24,000

Contact(s): Kent Ostler
EG&G/EM
101 Convention Center Drive
Suite 1010
Las Vegas, Nevada 89109
702-794-7474

E530245ft
E545000m

E56666ft
E550000m

E583075ft
E555000m

36° 52' 30"

36° 50' 00"

36° 47' 30"

116° 30' 00"

116° 27' 30"

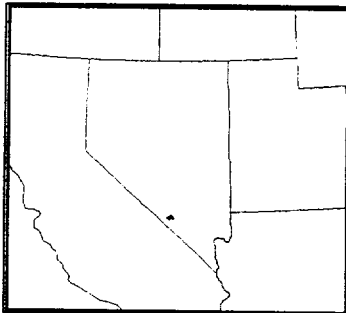
116° 25' 00"

116° 22' 30"

N770210ft
N4080000m

N733950ft
N4075000m

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Radiological Monitoring
Study Plots

Filename: radmon



Filename: recsite

Description: Trial reclamation sites

Parameter: 8.0 Environmental
8.1 Flora

Alias: eco05, trec

Source: Global Positioning System coordinate data provided by EG&G/EM Environmental Sciences Department, April 1993, in conjunction with orthophoto interpretations

Yucca Mountain Biological Resources Monitoring Program Annual Report FY92, EG&G Energy Measurements, Inc., Environmental Sciences Department, Document EGG-10617,2195, UC-814, 1993

Geographic Extent: Yucca Mountain area

Date Last Edited: 4/10/93

Source Scale: 1:6000

Contact(s): Kent Ostler
EG&G/EM
101 Convention Center Drive
Suite 1010
Las Vegas, Nevada 89109
702-794-7474

E550245ft
E545000m

E566660ft
E550000m

E583075ft
E555000m

36° 52' 30"

36° 50' 00"

36° 47' 30"

116° 30' 00"

116° 27' 30"

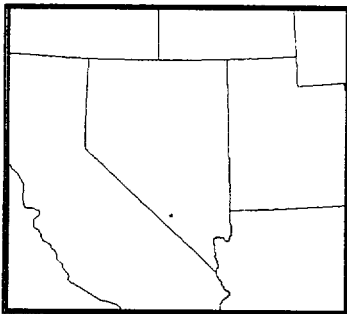
116° 25' 00"

116° 22' 30"

N770210ft
N4080000m

N753950ft
N4075000m

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Trial Reclamation Sites

Filename: recsite



Filename: timpact

Description: Tortoise impact mediation study areas

Parameter: 8.0 Environmental
8.2 Fauna

Alias: eco09, timpct

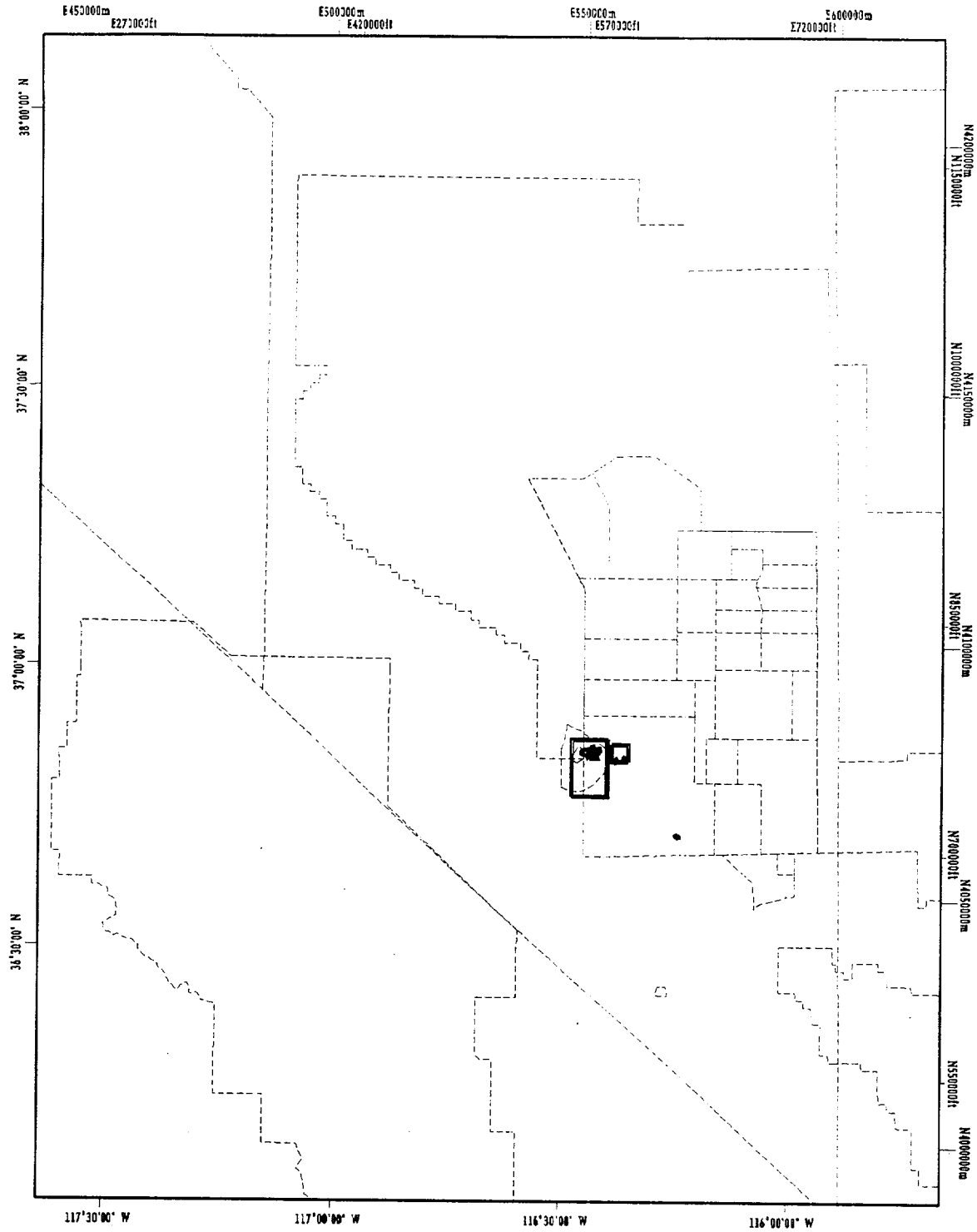
Source: Annotated field maps (USGS 7.5' base)
provided by EG&G/EM Environmental
Science Department, April 1993

Geographic Extent: Yucca Mountain Vicinity

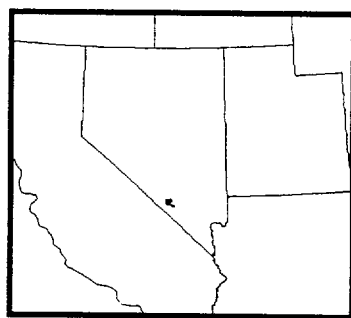
Date Last Edited: 9/24/93

Original Source Scale: 1:24,000

Contact(s): Kent Ostler
EG&G/EM ESD
101 Convention Center Drive
Suite 1010
Las Vegas, Nevada 89109
702-794-7474



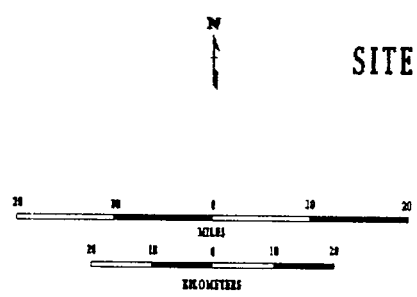
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Tortoise Impact Mediation
Study Areas

Filename: timpact



Filename: tsite

Description: Tortoise sightings

Parameter: 8.0 Environmental
8.2 Fauna

Alias: eco08, tort

Source: Annotated field maps (USGS 7.5' base)
provided by EG&G/EM Environmental
Science Department, April 1993

Yucca Mountain Biological Resources
Monitoring Program Annual Report,
Office of Scientific and Technical
Information, Oak Ridge, Tennessee,
February 1992, Document Reference
Number EGG-10617-2195

Geographic Extent: Yucca Mountain area

Date Last Edited: 9/24/93

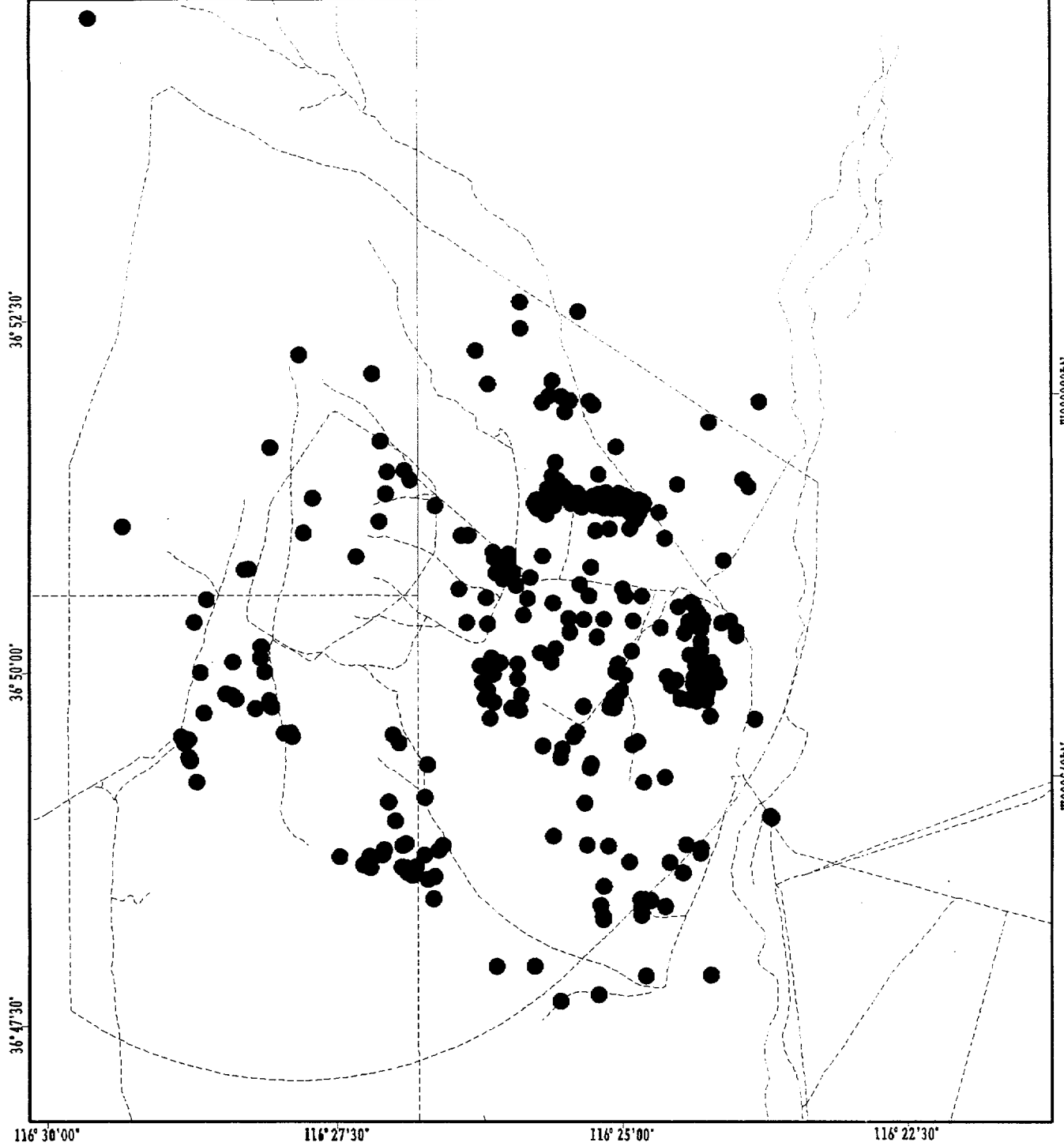
Original Source Scale: 1:24,000

Contact(s): Kent Ostler
EG&G/EM ESD
101 Convention Center Drive
Suite 1010
Las Vegas, Nevada 89109
702-794-7474

E530245ft
E545000m

E566660ft
E550000m

E583075ft
E555000m



N770210ft
N4080000m

N753950ft
N4075000m

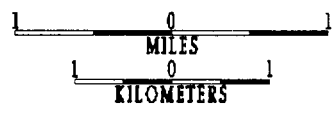
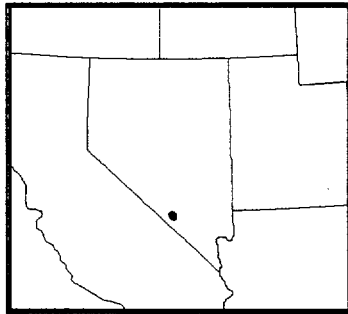
116° 30' 00"

116° 27' 30"

116° 25' 00"

116° 22' 30"

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Tortoise Sightings

Filename: tsite



Filename: veg

Description: Vegetation

Parameter: 8.0 Environmental
8.1 Flora

Alias: eco06

Source: Annotated Field Maps (USGS 7.5' base)
provided by EG&G/EM Environmental
Sciences Department, April 1993

Biotic Studies of Yucca Mountain, Nevada
Test Site, Nye County, Nevada, United
States Department of Energy Topical
Report, EG&G/Energy Measurements
Santa Barbara Operations Report Number
10282-2031, 1984

Geographic Extent: Yucca Mountain area

Date Last Edited: 4/10/93

Original Source Scale: 1:24,000

Contact(s): Kent Ostler
EG&G/EM
101 Convention Center Drive
Suite 1010
Las Vegas, Nevada 89109
702-794-7474

E350245ft
E543000m

E56660ft
E550000m

E583075ft
E555000m

36° 52' 30"

36° 50' 00"

36° 47' 30"

116° 30' 00"

116° 27' 30"

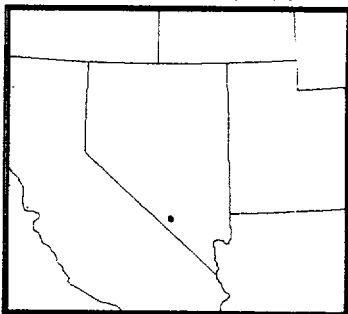
116° 25' 00"

116° 22' 30"

N770210ft
N4080000m

N753950ft
N4075000m

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Vegetation Classes

Filename: veg

GEOLOGY

Filename: contact

Description: Alluvium/bedrock contact

Parameter: 1.0 Geological
1.8 Surface Morphology

Alias: geo08, contac

Source: Scott & Bonk Preliminary Geologic Map of Yucca Mountain, Nye County, Nevada, United States Geological Survey Open-File Report 84-494, 1984

Geographic Extent: Yucca Mountain, Nevada

Date Last Edited: 3/21/93

Original Source Scale: 1:12,000

Resolution: Not provided by source

Input Accuracy: Manually digitized by EG&G/EM using equipment with a resolution of 0.001 inch and an absolute accuracy of from 0.003 to 0.005 inch.

Contact(s): Larry Hayes
U.S. Geological Survey
P.O. Box 25046
M/S 425
Federal Center
Denver, Colorado 80225
303-236-0516

E550245ft
E545000m

E566660ft
E530000m

E583075ft
E555000m

36° 52' 30"

36° 50' 00"

36° 47' 30"

116° 30' 00"

116° 27' 30"

116° 25' 00"

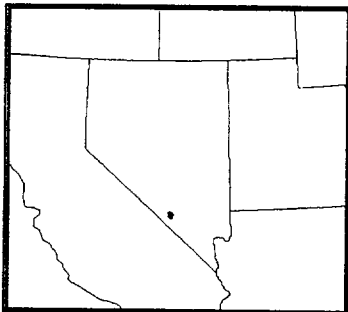
116° 22' 30"

N770210ft
N4080000m

N753950ft
N4075000m



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Alluvium/Bedrock Contact

Filename: contact

Filename: mjfault

Description: General locations of major faults

Parameter: 1.0 Geological
1.1 Structural Parameters

Alias: geo11, fault2

Source: Fault Locations and Ages, Sandia National Laboratories, Albuquerque, New Mexico, YMP RIB CR56

Geographic Extent: Yucca Mountain area

Date Last Edited: 7/19/93

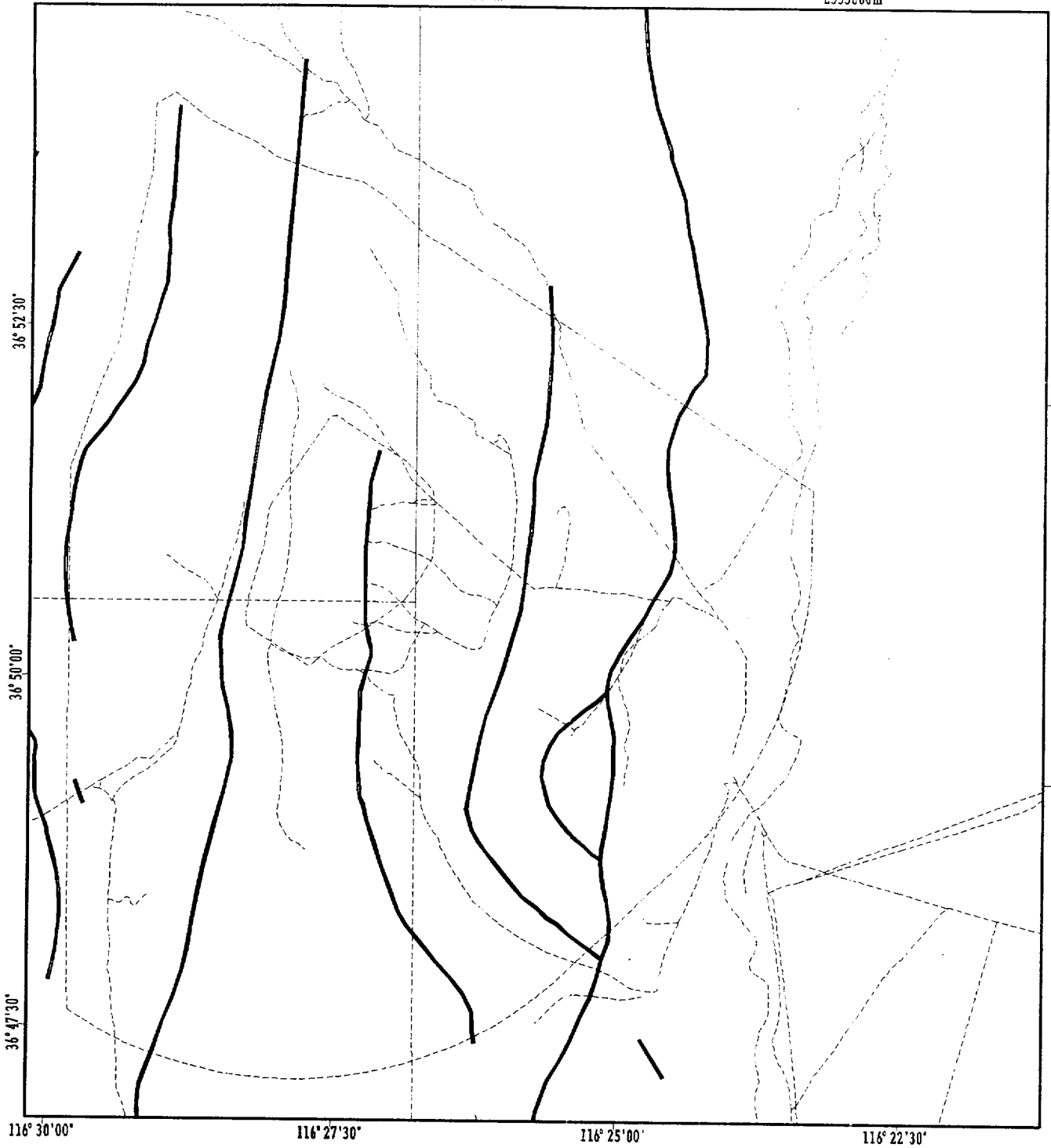
Original Source Scale: Not provided by source

Contact(s): GENISES YMP Database

E550245ft
E545000m

E566660ft
E550000m

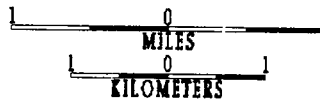
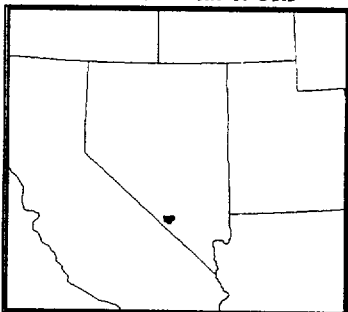
E583075ft
E555000m



N770210ft
N4080000m

N733950ft
N4075000m

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Major Faults

Filename: mjfault



Filename: sbfault

Description: Faults in the Yucca Mountain area

Parameter: 1.0 Geological
1.1 Structural Parameters

Alias: geo07, fault1

Source: Scott & Bonk Preliminary Geologic Map of Yucca Mountain, Nye County, Nevada, United States Geological Survey Open-File Report 84-494, 1984

Geographic Extent: Yucca Mountain, Nevada

Date Last Edited: 3/21/93

Original Source Scale: 1:12,000

Resolution: Not provided by source

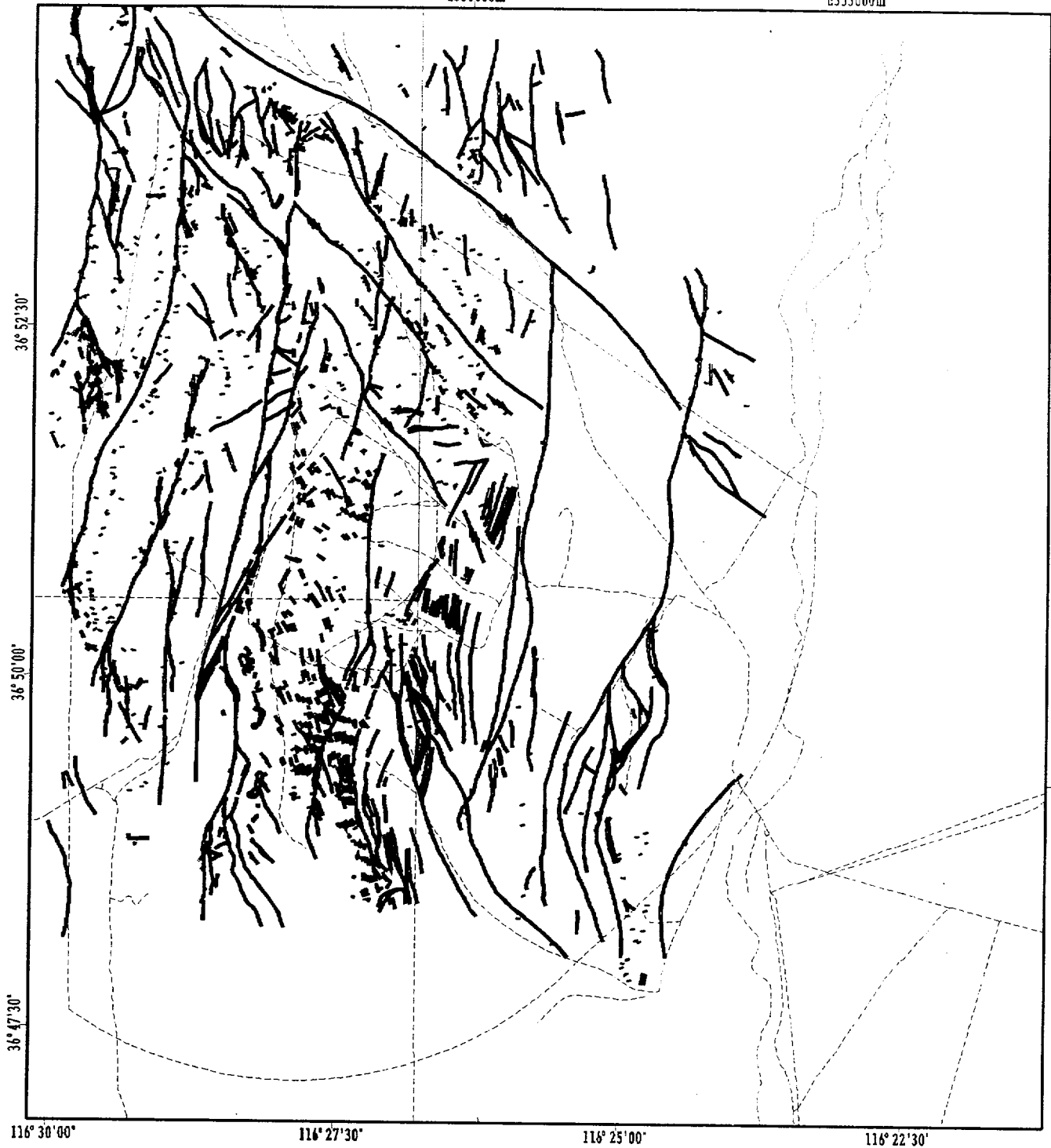
Input Accuracy: Manually digitized by EG&G/EM using equipment with a resolution of 0.001 inch and an absolute accuracy of from 0.003 to 0.005 inch.

Contact(s): Larry Hayes
U.S. Geological Survey
P.O. Box 25046
M/S 425
Federal Center
Denver, Colorado 80225
303-236-0516

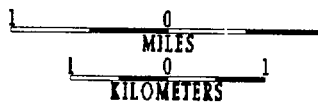
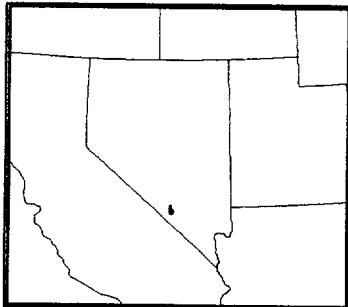
E550245ft
E545000m

E566660ft
E550000m

E583075ft
E555000m



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Faults

Filename: sbfault

Filename: geoln

Description: Geology of northern Nevada

Parameter: 1.0 Geology
1.3 Soil and Rock Properties

Alias: geo02, DDS-2

Source: Geology of Nevada: A Digital Representation of the 1978 Geologic Map of Nevada, United States Geological Survey Digital Data Series DDS-2, 1991

Geographic Extent: Northern half of the state of Nevada

Date Last Edited: 9/24/93

Original Source Scale: 1:500,000

Minimum Mapping Unit: 2.54 meters

Input Accuracy: Manually digitized using equipment with a resolution of 0.001 inch and an absolute accuracy of from 0.003 to 0.005 inch

Contact(s): Earth Science Information Center
U.S. Geological Survey
507 National Center
Reston, Virginia 22092
703-860-6045

E200000m

E400000m

E600000m

E800000m

42° 00'

40° 00'

38° 00'

36° 00'

N460000m

N440000m

N420000m

N400000m

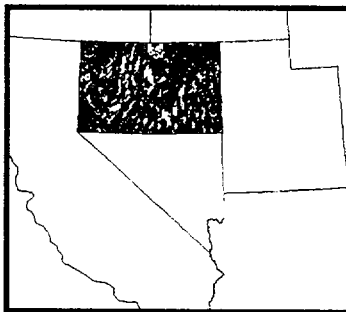
120° 00'

118° 00'

116° 00'

114° 00'

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Geology, Northern Nevada

Filename: geoln



Filename: geols

Description: Geology of southern Nevada

Parameter: 1.0 Geological
1.3 Soil and Rock Properties

Alias: geo01, DDS-2

Source: Geology of Nevada: A Digital Representation of the 1978 Geologic Map of Nevada, United States Geological Survey Digital Data Series DDS-2, 1991

Geographic Extent: Southern half of the state of Nevada

Date Last Edited: 9/24/93

Original Source Scale: 1:500,000

Minimum Mapping Unit: 2.54 meters

Input Accuracy: Manually digitized using equipment with a resolution of 0.001 inch and an absolute accuracy of from 0.003 to 0.005 inch

Contact(s): Earth Science Information Center
U.S.Geological Survey
507 National Center
Reston, Virginia 22092
703-860-6045

E200000m

E400000m

E600000m

E800000m

42° 00'

40° 00'

38° 00'

36° 00'

N460000m

N440000m

N420000m

N400000m

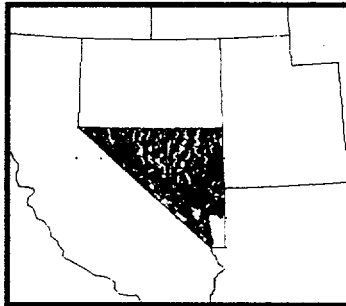
120° 00'

118° 30'

117° 00'

114° 00'

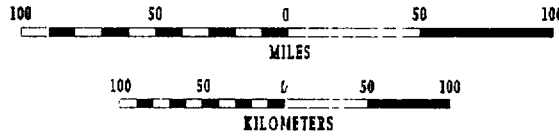
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Geology, Southern Nevada

Filename: geols



Filename: magnet

Description: Planned magnetotelluric survey sites

Parameter: 1.0 Geological
1.3 Soil and Rock Properties

Alias: geo03

Source: U.S. Department of Energy Yucca Mountain Site Characterization Plan
DOE/RW-0199, Vol I-1x

Geographic Extent: Yucca Mountain, Nevada

Date Last Edited: 2/21/92

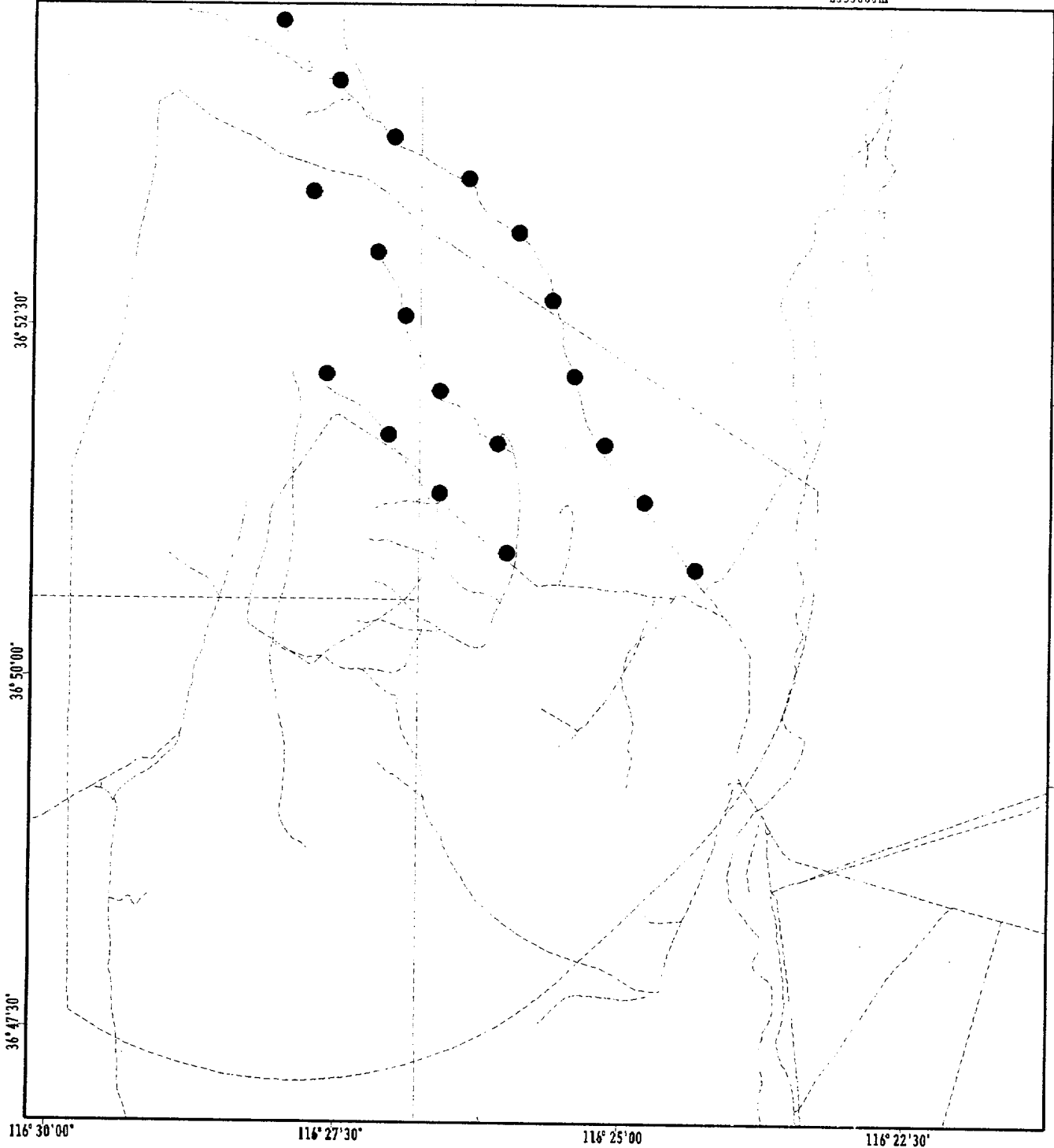
Original Source Scale: Not provided by source

Contact(s): U.S. Department of Energy
Yucca Mountain Site Characterization
Project Office
P.O Box 98608
Las Vegas, Nevada 89109
702-794-7920

E550245ft
E543000m

E566660ft
E550000m

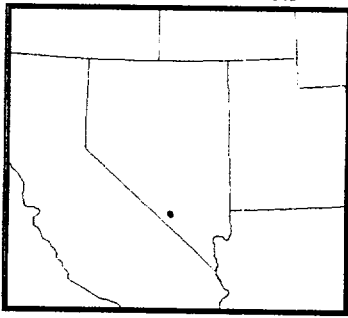
E563075ft
E555000m



N770210ft
N4080000m

N753950ft
N4075000m

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Magnetotelluric Surveys

Filename: magnet



Filename: sgbnet

Description: Seismic monitoring network

Parameter: 1.0 Geologic
1.7 Seismic Parameters

Alias: geo04

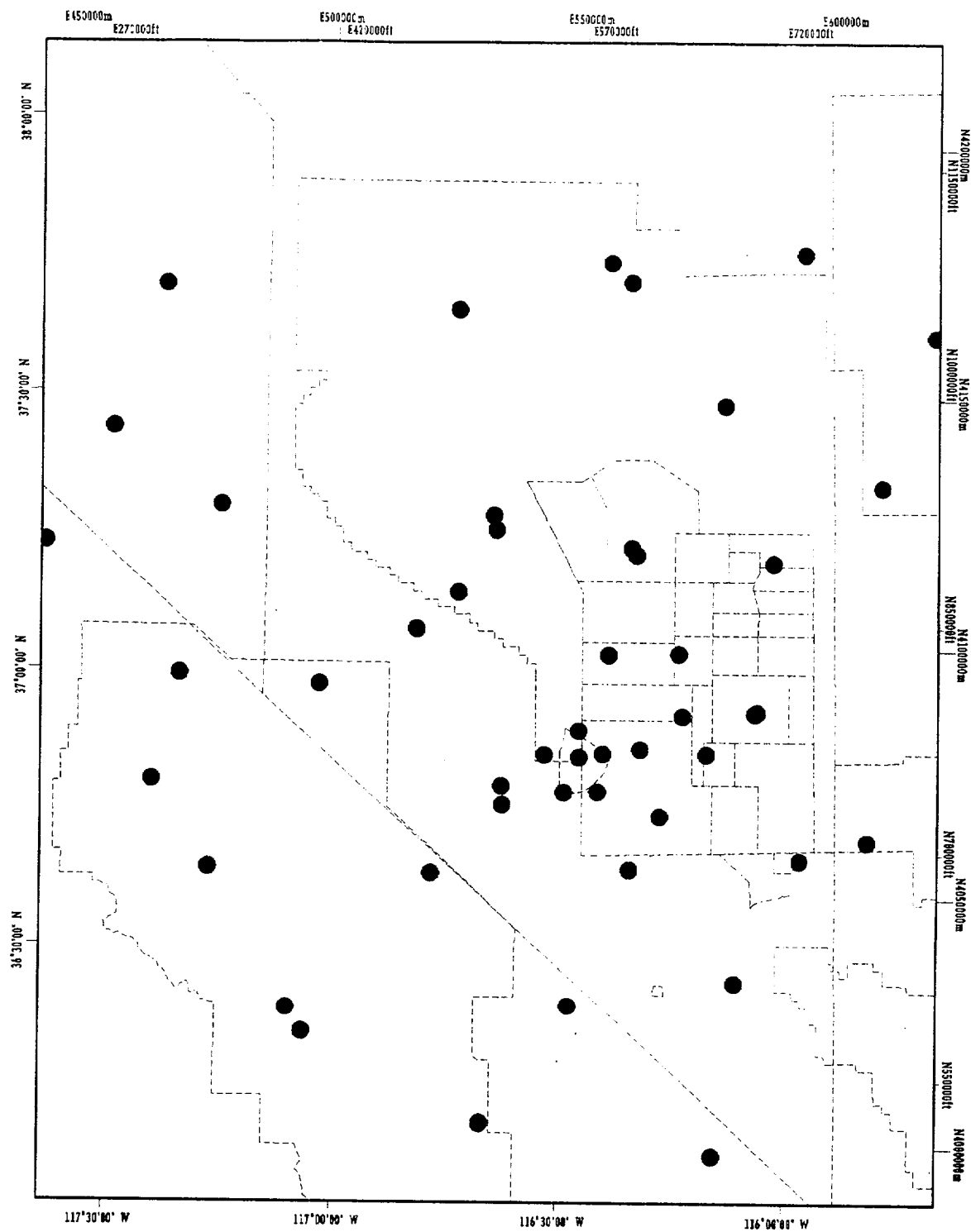
Source: United States Geological Survey Open File
Report 91-572

Geographic Extent: Southern Great Basin

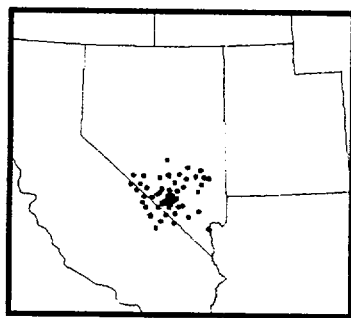
Date Last Edited: 3/21/93

Original Source Scale: Not provided by source

Contact(s): Larry Hayes
U.S. Geological Survey
P.O. Box 25046
M/S 425
Federal Center
Denver, Colorado 80225
303-236-0516



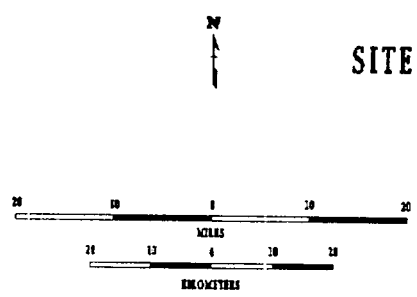
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Seismic Monitoring Network
of the Southern Great Basin

Filename: sgbnct



Filename: refrac

Description: Seismic refraction survey shot points

Parameter: 1.0 Geologic
1.7 Seismic Parameters

Alias: geo05

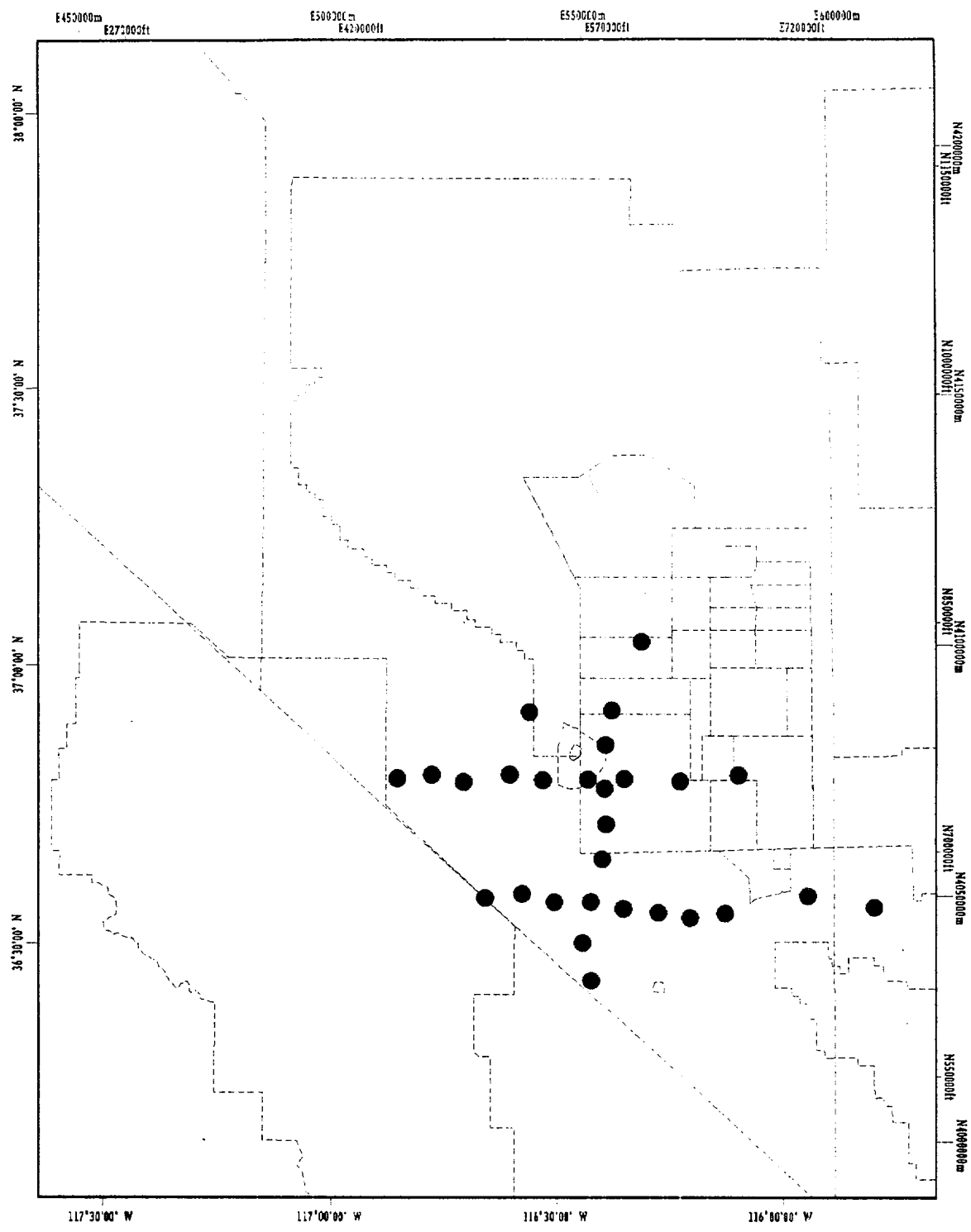
Source: Data Report for the 1985 Seismic Refraction Experiment at Yucca Mountain and Vicinity, Southwestern Nevada, United States Geological Survey Open-File Report 85-591, 1985

Geographic Extent: Southern Nevada

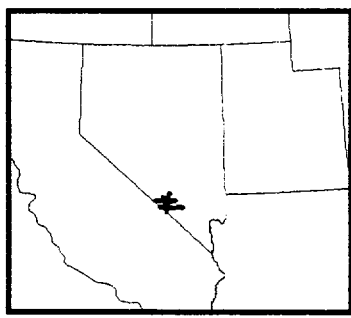
Date Last Edited: 3/19/93

Original Source Scale: Not provided by source

Contact(s): Larry Hayes
U.S. Geological Survey
P.O. Box 25046
M/S 425
Federal Center
Denver, Colorado 80225
303-236-0516



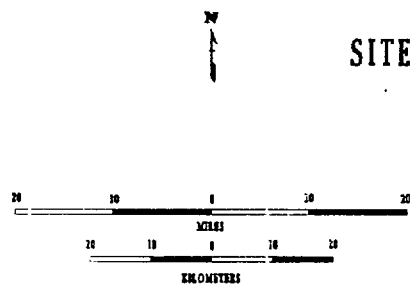
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Seismic Refraction
Survey Shot Points

Filename: refrac



Filename: sesrec

Description: Seismic survey recorders, 1985

Parameter: 1.0 Geologic
1.7 Seismic Parameters

Alias: geo06

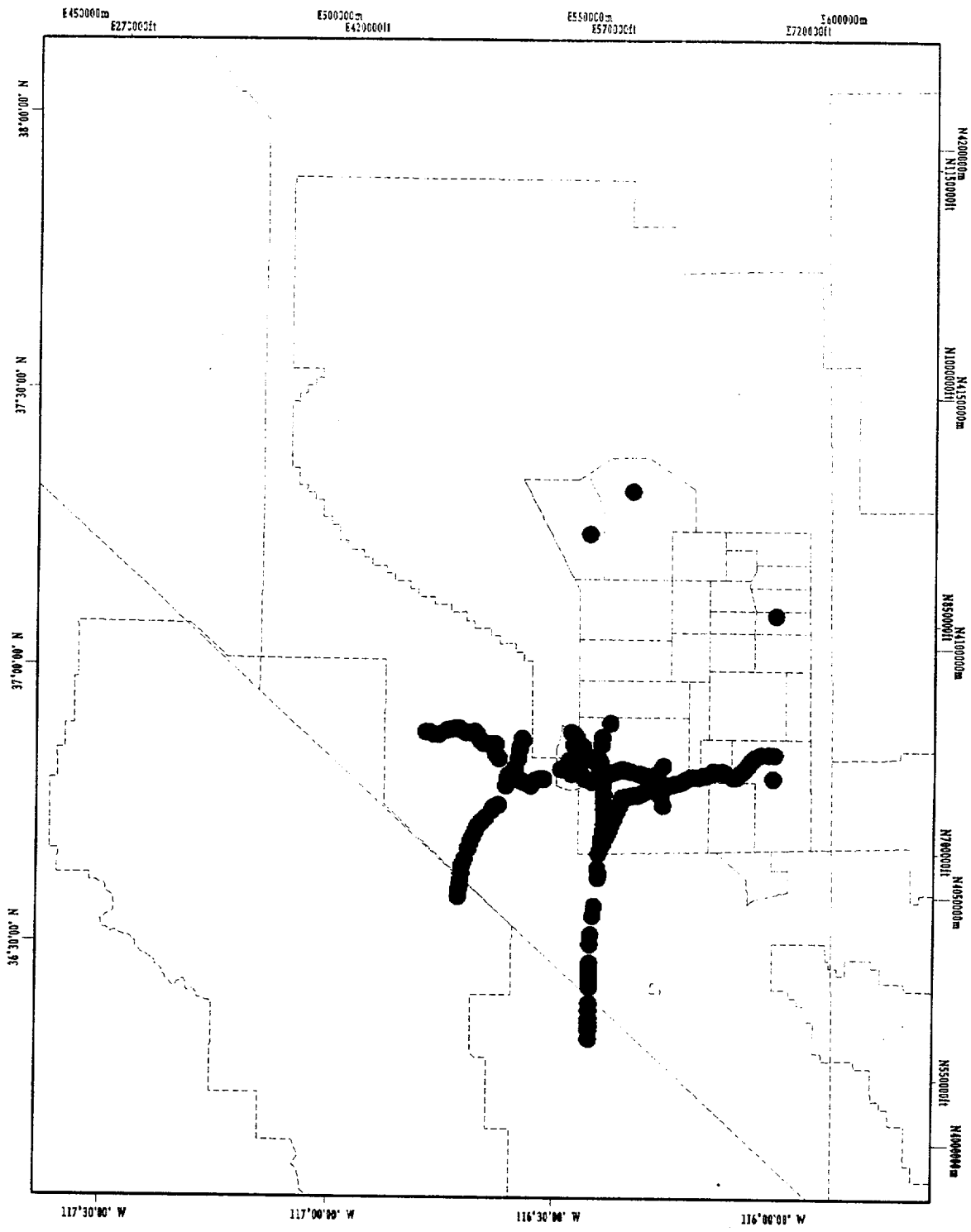
Source: Data Report for the 1985 Seismic Refraction Experiment at Yucca Mountain and Vicinity, Southwestern Nevada, United States Geological Survey Open-File Report 85-591, 1985

Geographic Extent: Southern Nevada

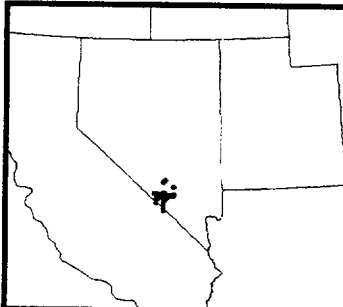
Date Last Edited: 3/21/93

Original Source Scale: Not provided by source

Contact(s): Larry Hayes
U.S. Geological Survey
P.O. Box 25046
M/S 425
Federal Center
Denver, Colorado 80225
303-236-0516



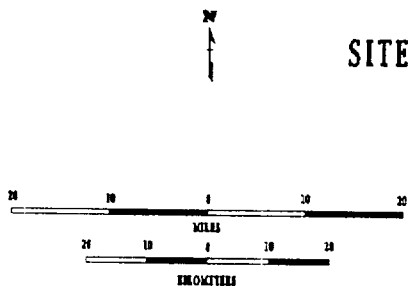
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Seismic Recorders

Filename: sesrec



Filename: topo20

Description: Topography , 20 foot contour interval

Parameter: 1.0 Geology
1.8 Surface Morphology

Alias: top01, ymphypso

Source: United States Geological Survey
Digital Line Graphs

Geographic Extent: Yucca Mountain, Nevada

Date Last Edited: 5/21/93

Original Source Scale 1:24,000

Minimum Mapping Unit: 2.54 meters

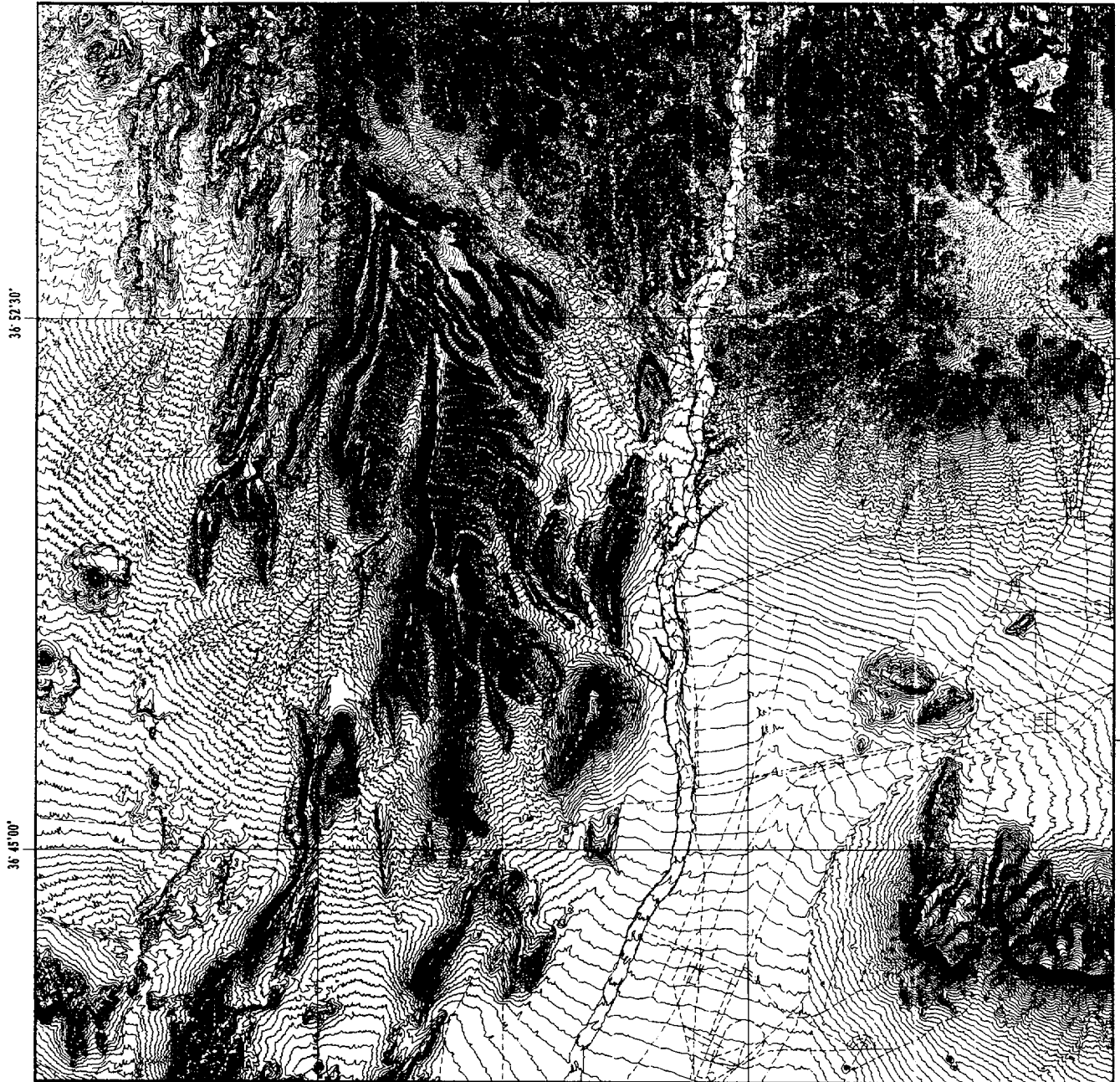
Input Accuracy: Manually digitized using equipment with a resolution of 0.001 inch and an absolute accuracy of from 0.003 to 0.005 inch

Contact(s): Earth Science Information Center
U.S.Geological Survey
507 National Center
Reston, Virginia 22092
703-860-6045

E533840ft
E540000m

E566660ft
E550000m

E599475ft
E560000m



36 52' 30"

36 45' 00"

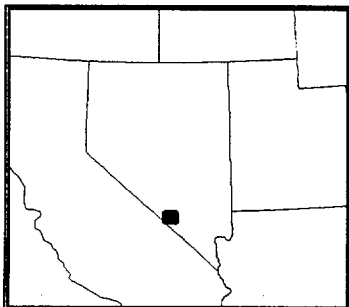
N770210ft
N480000m

N773651ft
N470000m

116 30' 00"

116 22' 30"

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Topography, 20 Foot Interval

Filename: topo20

Filename: topo10

Description: Topography, 10 foot contour interval

Parameter: 1.0 Geology
1.8 Surface Morphology

Alias: top02

Source: 1:6,000 scale orthophotography, from
1:24,000 scale aerial photographs,
EG&G/EM, July 1990

Geographic Extent: Yucca Mountain area

Date Last Edited: 6/12/92

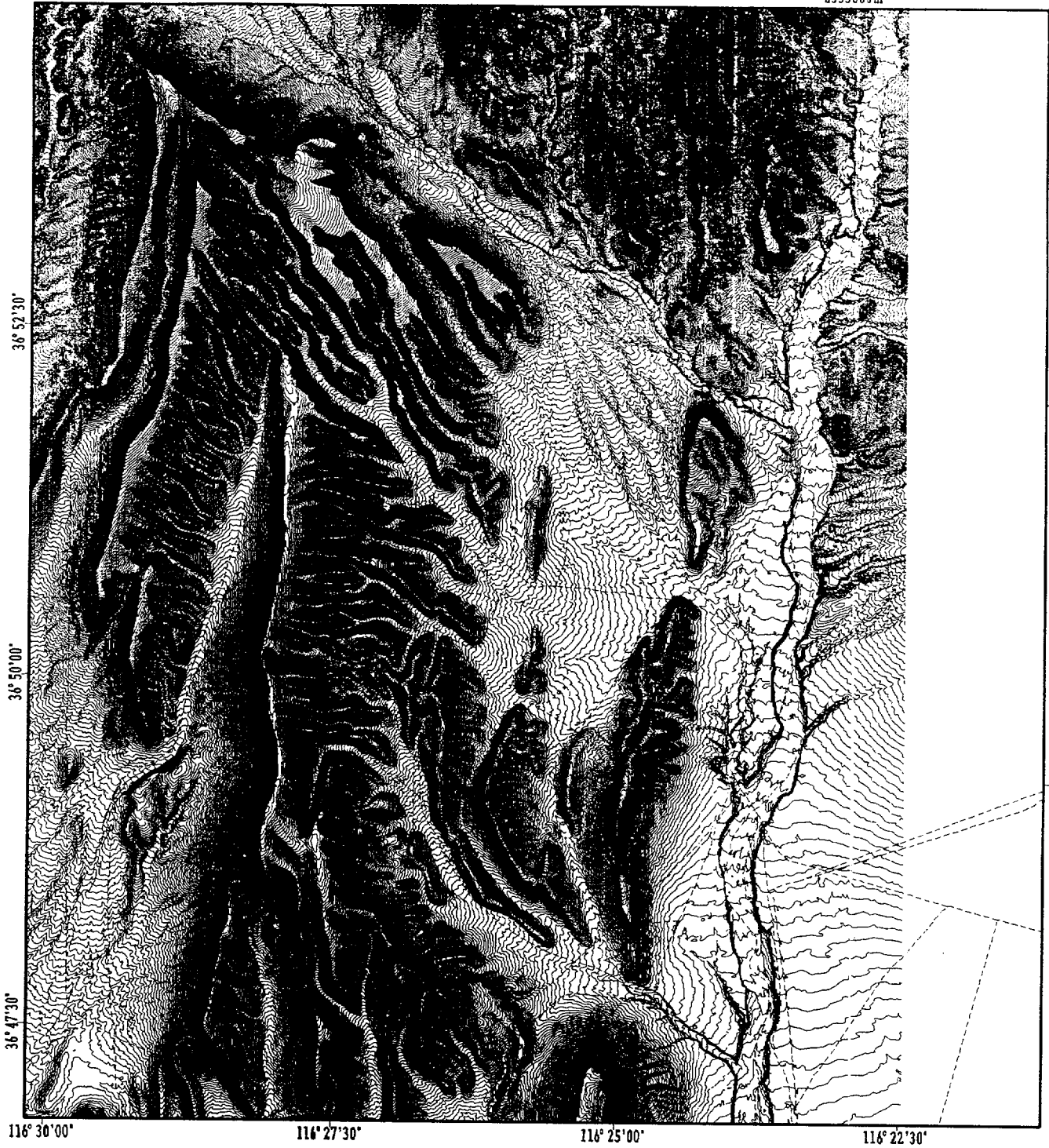
Original Source Scale: 1:24,000

Contact(s): GENISES YMP Database

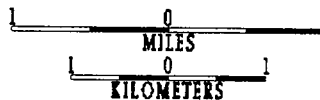
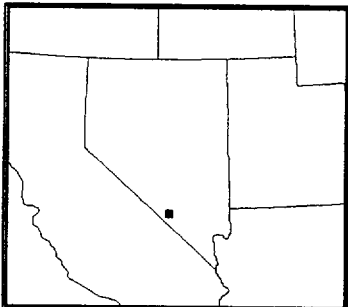
E530245ft
E545000m

E566660ft
E530000m

E583075ft
E555000m



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Topography, 10 Foot Interval

Filename: topo10

HYDROLOGY

Filename: floodp

Description: Flood prone areas

Parameter: 2.0 Hydrological
2.4 Hydrological Predictions

Alias: none

Source: United States Department of Interior
Geological Survey, Water Resources
Investigation Report 83-4001, Plate1: Map
Showing Approximate Flood Prone Areas,
Fortymile Wash and its Principal
Southwestern Tributaries, Nevada Test
Site, Southern Nevada, 1983

Geographic Extent: Fortymile Wash and southwestern
tributaries

Date Last Edited: 12/29/93

Original Source Scale: 1:24,000

Contact(s): GENISES YMP Database

E550245ft
E545000m

E566660ft
E550000m

E583075ft
E555000m

36° 52' 30"

36° 50' 00"

36° 47' 30"

116° 30' 00"

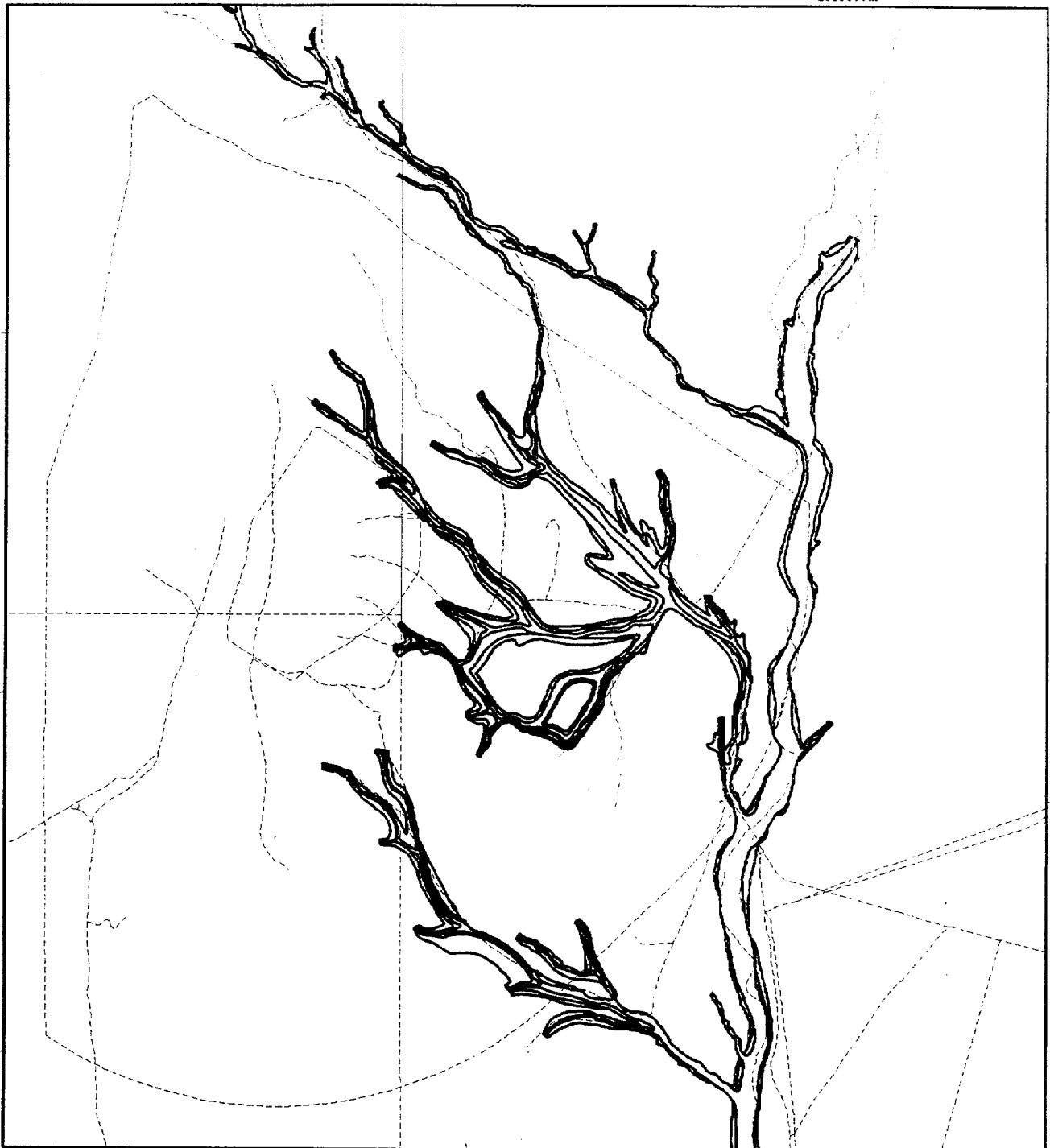
116° 27' 30"

116° 25' 00"

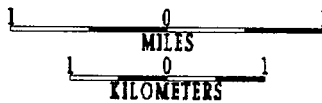
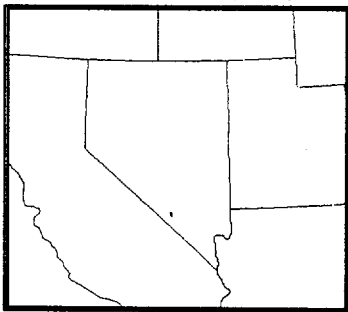
116° 22' 30"

N770210ft
N4080000m

N733950ft
N4075000m



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Flood Prone Areas

Filename: floodp

Filename: gwchem

Description: Groundwater geochemistry stations

Parameter: 2.0 Hydrological
2.2 Subsurface Hydrology

Alias: hyd05

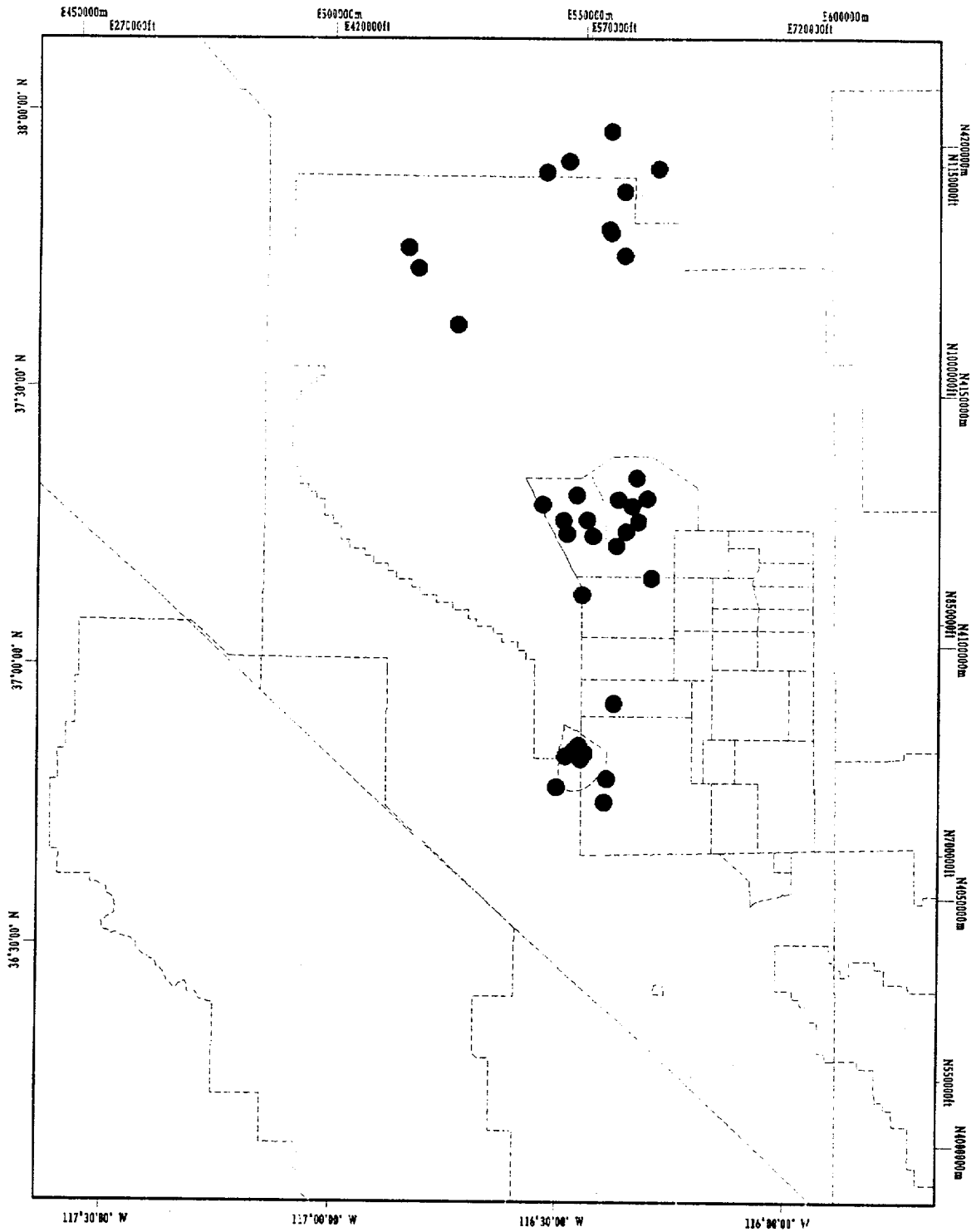
Source: NWPO-TR-006-87

Geographic Extent: State of Nevada

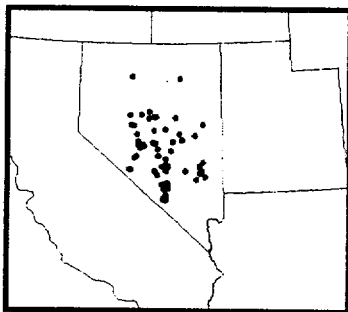
Date Last Edited: 4/1/92

Original Source Scale: Not provided by source

Contact(s): Roger Jacobson
Desert Research Institute
755 East Flamingo Road
Las Vegas, Nevada
702-895-0400



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Groundwater Geochemistry
Monitoring Stations

Filename: gwchem



Filename: basins

Description: Hydrologic basins

Parameter: 2.0 Hydrological
2.4 Hydrological Predictions

Alias: area

Source: United States Department of Interior
Geological Survey, Water Resources
Investigation Report 83-4001, Plate1: Map
Showing Approximate Flood Prone Areas,
Fortymile Wash and its Principal
Southwestern Tributaries, Nevada Test
Site, Southern Nevada, 1983

Geographic Extent: Fortymile Wash and southwestern
tributaries

Date Last Edited: 12/29/93

Original Source Scale: 1:24,000

Contact(s): GENISES YMP Database

E550245ft
E545000m

E566660ft
E530000m

E583075ft
E555000m

36° 52' 30"

36° 50' 00"

36° 47' 30"

116° 30' 00"

116° 27' 30"

116° 25' 00"

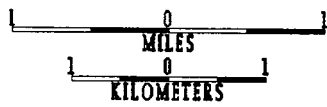
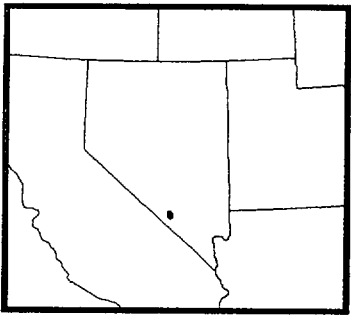
116° 22' 30"

N770210ft
N4080000m

N75390ft
N4075000m



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Hydrologic Basins

Filename: basins



Filename: regions

Description: Hydrographic regions

Parameter: 2.0 Hydrological
2.1 Surface Hydrology

Alias: hyd07, regions

Source: Static Ground Water Levels of Nevada,
United States Geological Survey, Water
Resources Division, 1974, USGS-WRIR-
84-4197

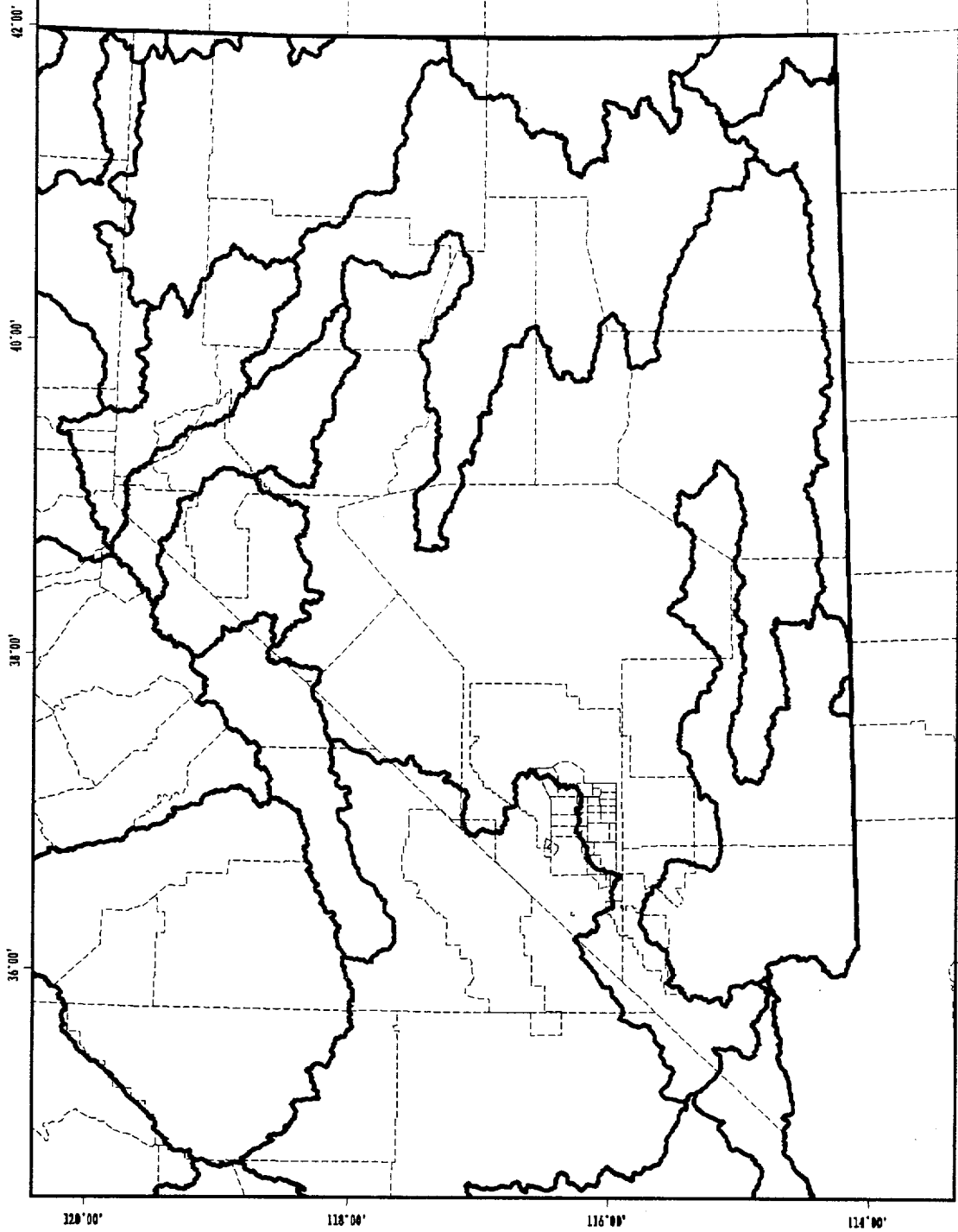
Geographic Extent: Southern Nevada

Date Last Edited: 7/1/92

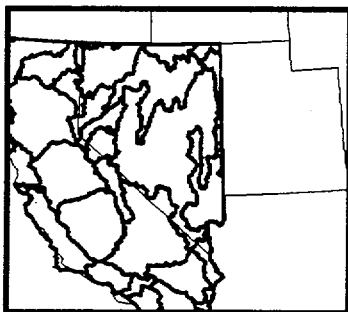
Original Source Scale: 1:750,000

Contact(s): Larry Hayes
U.S. Geological Survey
P.O. Box 25046
M/S 425
Denver, Colorado 80225
303-236-0516

E200000m E400000m E600000m E800000m



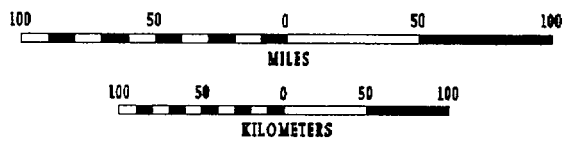
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Hydrographic Regions

Filename: regions



File: poten

Description: Potentiometric surface isolines

Parameter: 2.0 Hydrological
2.4 Hydrological Predictions

Alias: none

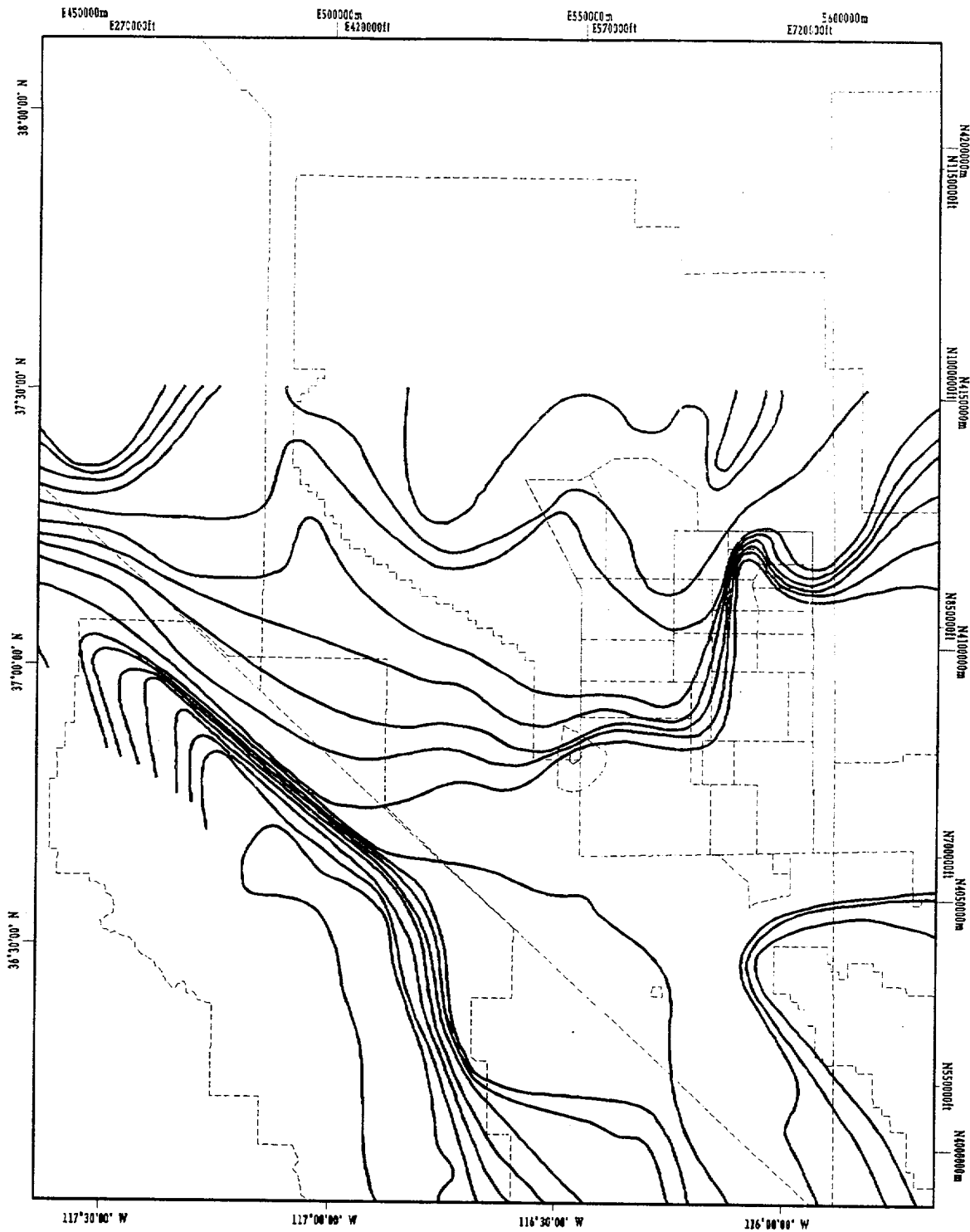
Source: United State Department of Interior
Geological Survey, Water Resources
Investigations Report 84-4267, Plate 3:
Potentiometric Map of the Candidate Area
and Geologic Section, Nevada-California,
1984

Geographic Extent: Southern Nevada and California border

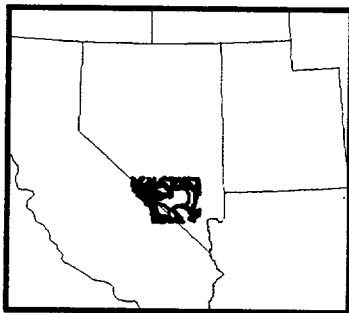
Date Last Edited: 12/29/93

Original Source Scale: 1:500,000

Contact(s): GENISES YMP Database



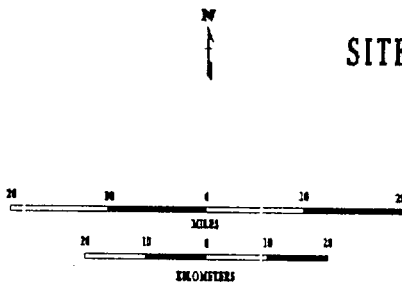
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Potentiometric Surface

Filename: poten



Filename: preflo

Description: Precipitation and stream-flow monitoring sites

Parameter: 4.0 Meteorological
4.1 Meteorological Empirical Parameters

Alias: hyd06

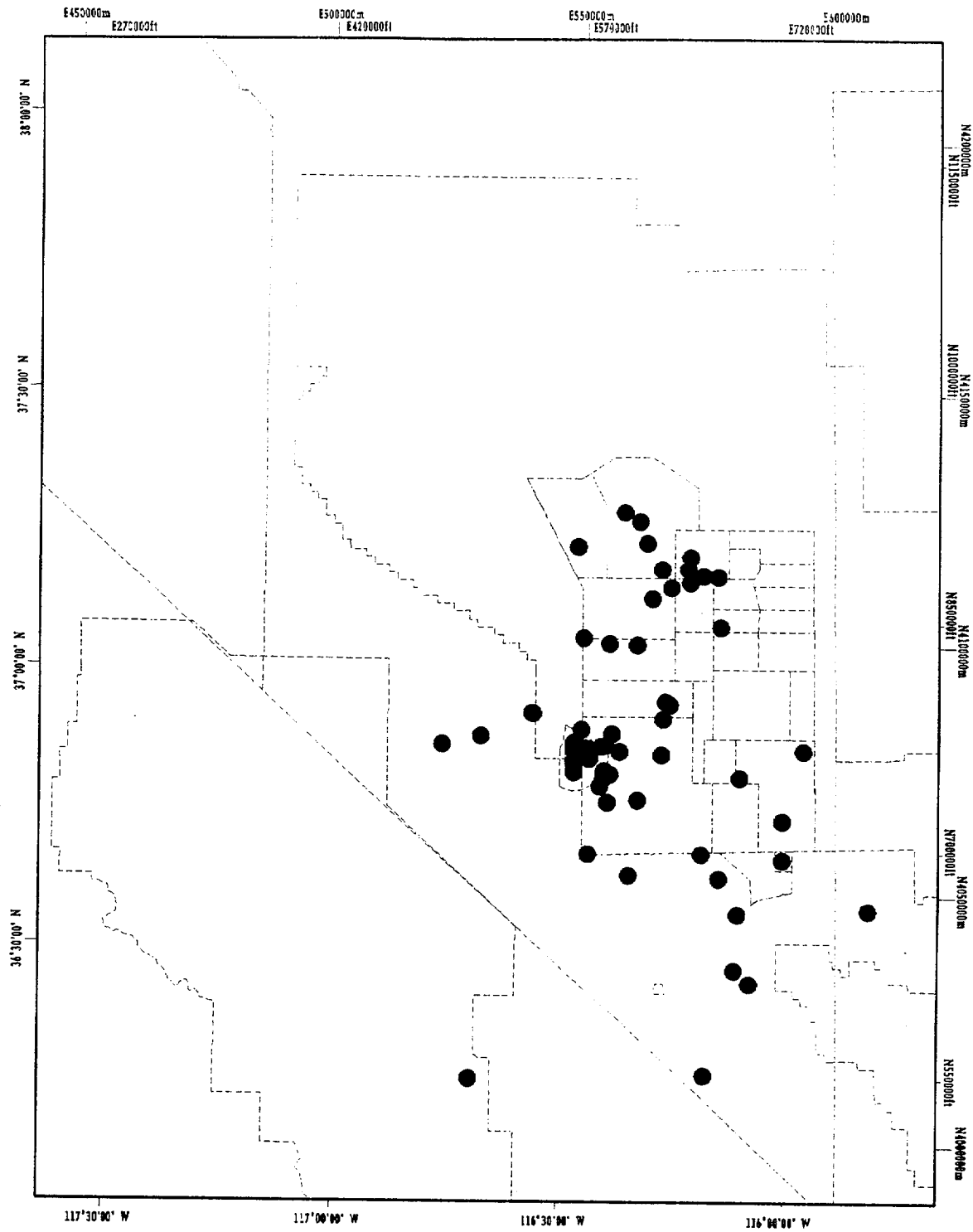
Source: United States Geological Survey
Open-File Report 87-463, 1992

Geographic Extent: Southern Nevada

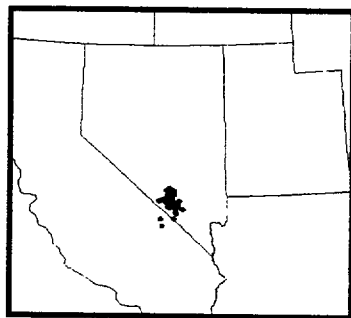
Date Last Edited: 7/1/92

Original Source Scale: Not provided by source

Contact(s): Larry Hayes
U.S. Geological Survey
P.O. Box 25046
M/S 425
Denver, Colorado 80225
303-236-0516



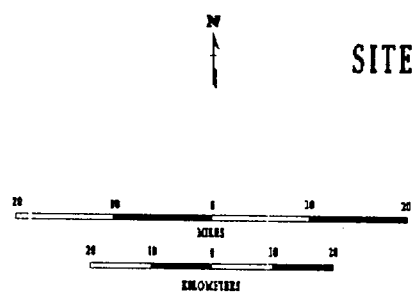
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Precipitation and Streamflow
Monitoring Stations

Filename: preflo



Filename: springs

Description: Springs

Parameter: 2.0 Hydrological
2.1 Surface Hydrology

Alias: hyd03, spring

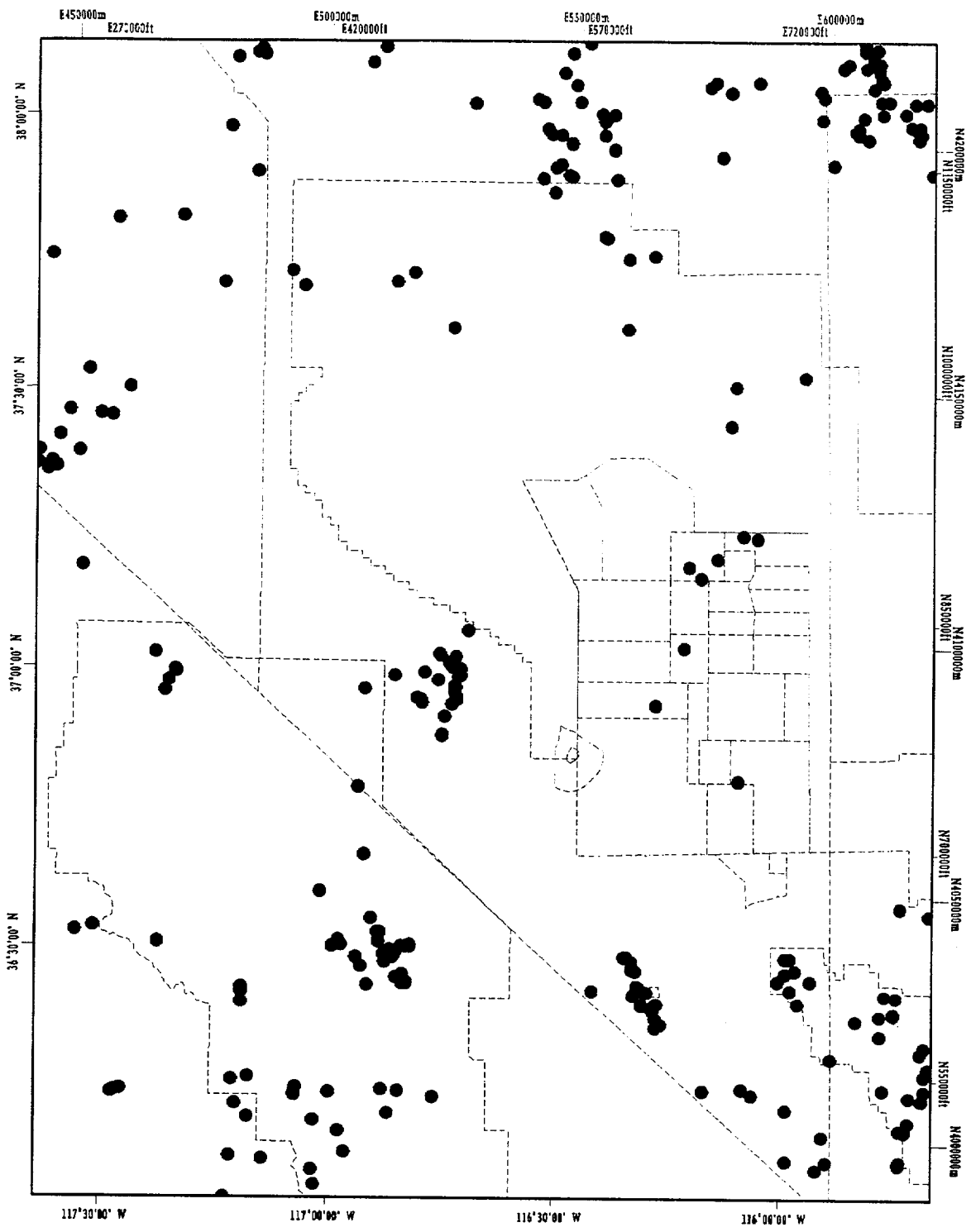
Source: Wells and Springs in California and Nevada Within 100 Miles from the Point 37°15'N, 116°25'W on the Nevada Test Site, United States Geological Survey Open-File Report USGS-47485, 1985

Geographic Extent: Area within 100 miles of Yucca Mountain, Nevada

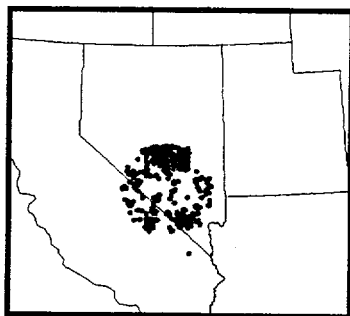
Date Last Edited: 3/12/93

Original Source Scale: n/a

Contact(s): Larry Hayes
U.S. Geological Survey
P.O. Box 25046
M/S 425
Denver, Colorado 80225
303-236-0516



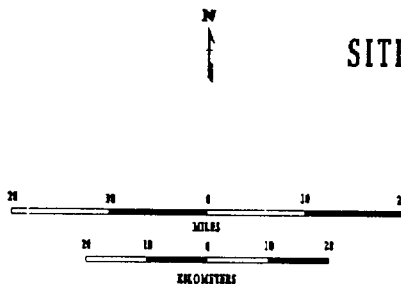
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Springs

Filename: springs



Filename: rivnye

Theme: Streams and rivers

Parameter: 2.0 Hydrological
2.1 Surface Hydrology

Alias: hyd01, streams

Source: TIGER/Line Precensus Files, 1990
United States Bureau of Census,
Washington, D.C., 1989

Geographic Extent: Nye County, Nevada

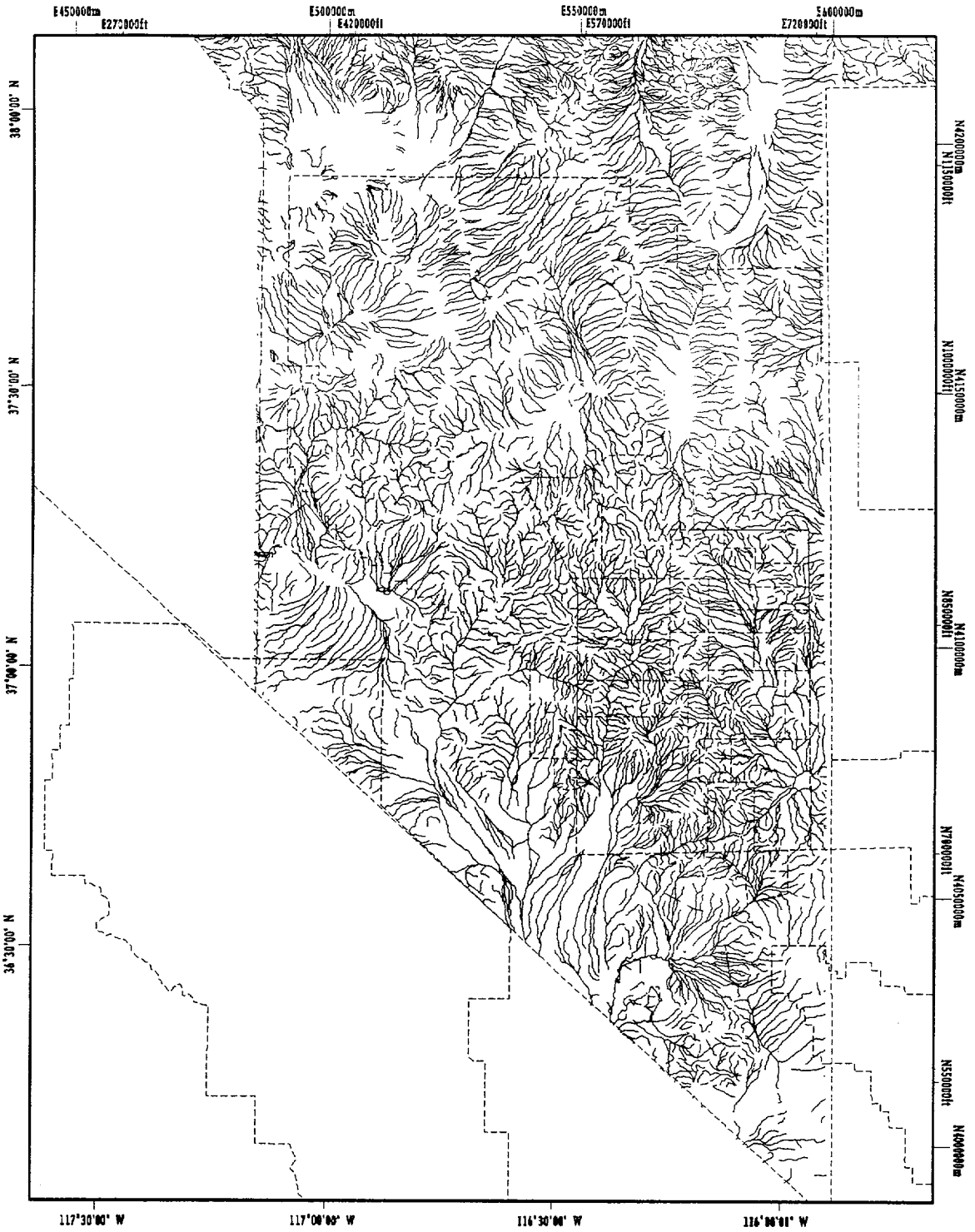
Date Last Edited: 2/10/93

Original Source Scale: 1:100,000

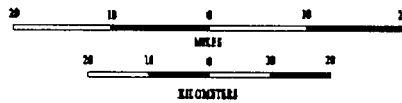
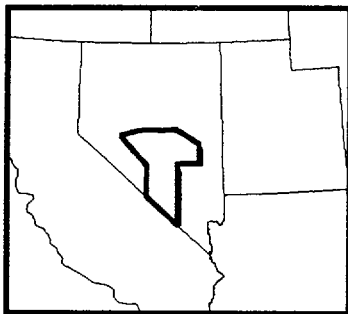
Minimum Mapping Unit: 2.54 meters

Input Accuracy: Manually digitized using equipment with a
resolution of 0.001 inch and an absolute
accuracy of from 0.003 to 0.005 inch

Contact(s): National Cartographic Information Center
U.S. Geological Survey
507 National Center
Reston, Virginia 22092
703-860-6045



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Rivers and Streams

Filename: rivnye

Filename: rivinyo

Theme: Streams and rivers

Parameter: 2.0 Hydrological
2.1 Surface Hydrology

Alias: inyo_tr

Source: TIGER/Line Precensus Files, 1990
United States Bureau of Census,
Washington, D.C., 1989

Geographic Extent: Inyo County, Nevada

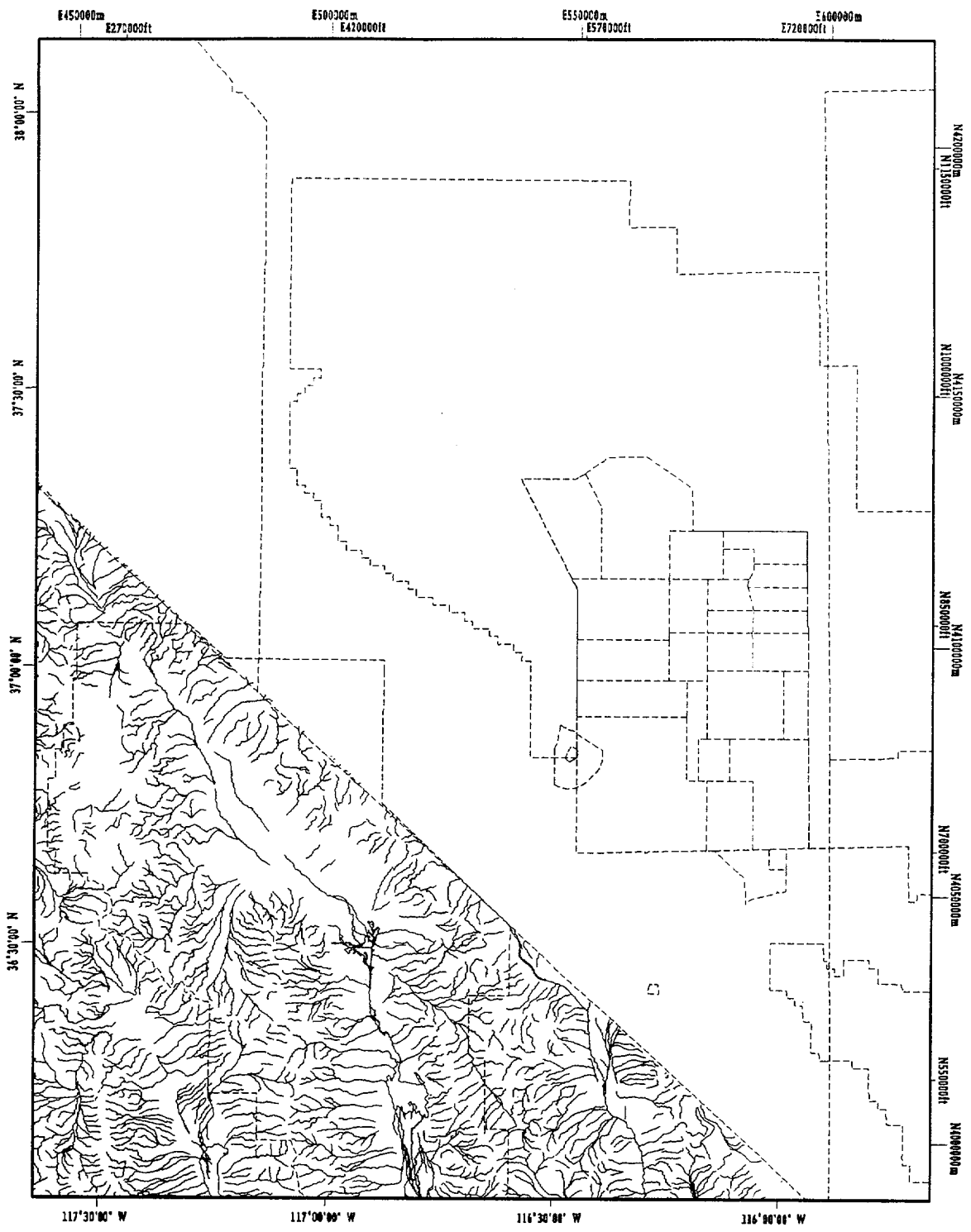
Date Last Edited: 2/10/93

Original Source Scale: 1:100,000

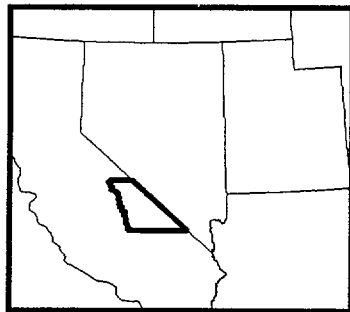
Minimum Mapping Unit: 2.54 meters

Input Accuracy: Manually digitized using equipment with a
resolution of 0.001 inch and an absolute
accuracy of from 0.003 to 0.005 inch

Contact(s): National Cartographic Information Center
U.S. Geological Survey
507 National Center
Reston, Virginia 22092
703-860-6045



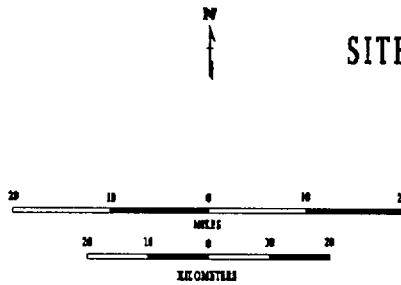
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Inyo County

Filename: rivinyo



Filename: str24k

Description: Streams

Parameter: 2.0 Hydrological
2.1 Surface Hydrology

Alias: ymphydro, fld_hyd

Source: United States Geological Survey
Digital Line Graph Data, hydrology
layer, 7.5' series including the following
quadrangles and publish dates:
Amargosa Valley, 1983; Ashton, 1987;
Beatty Mountain, 1987; Busted Butte,
1983; Big Dune, 1986; Carrara Canyon,
1987; Crater Flat, 1986; East of Beatty
Mountain, 1987; Jackass Flat 1983;
Striped Hills, 1983; Topopah Spring, 1961;
Topopah Spring NW, 1961.

Geographic Extent: Yucca Mountain and vicinity

Date Last Edited: 03/19/91

Original Source Scale: 1:24,000

Contact(s): GENISES YMP Database

E533840ft
E540000m

E566660ft
E550000m

E599475ft
E560000m

36° 52' 30"

36° 45' 00"

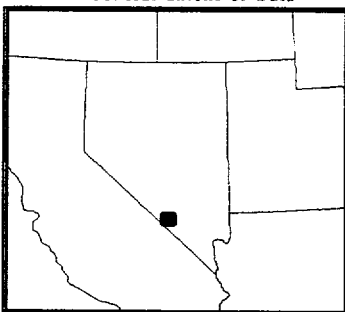
N770210ft
N408000m

N77355ft
N407000m

116° 30' 00"

116° 22' 30"

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Surface Hydrography

Filename: str24k

Filename: hydmod

Description: 3-D hydrologic modeling study area

Parameter: 2.0 Hydrological
2.2 Subsurface Hydrology

Alias: bon14

Source: Three-Dimensional Site-Scale Unsaturated
Zone Hydrogeologic Model Boundary,
C. S. Wittwer, et al, 1992

Geographic Extent: Yucca Mountain area

Date Last Edited: 2/26/93

Original Source Scale: n/a

Contact(s): G.S. Bodvarsson
Lawrence Berkely Laboratory
1 Cyclotron Road
Building 50-E
Berkeley, California 94720
510-486-4789

E530245ft
E545000m

E566660ft
E530000m

E583075ft
E555000m

36° 52' 30"

36° 50' 00"

36° 47' 30"

116° 30' 00"

116° 27' 30"

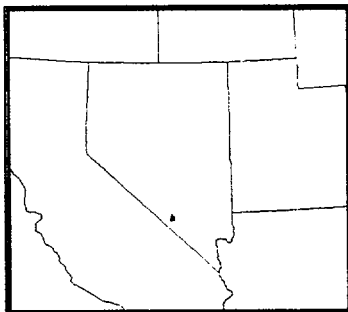
116° 25' 00"

116° 22' 30"

N770210ft
N4080000m

N753950ft
N4075000m

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Three Dimensional
Hydrologic Study Area

Filename: hydmod



METEOROLOGY

Filename: tempre

Description: Temperature and precipitation monitoring sites

Parameter: 4.0 Meteorological
4.1 Meteorological Empirical

Alias: cli01

Source: United States Department of Interior Geological Survey, Open File Report 83-535: Vegetation and Climates of the Last 45,000 Years in the Vicinity of the Nevada Test Site, South-Central Nevada, 1983

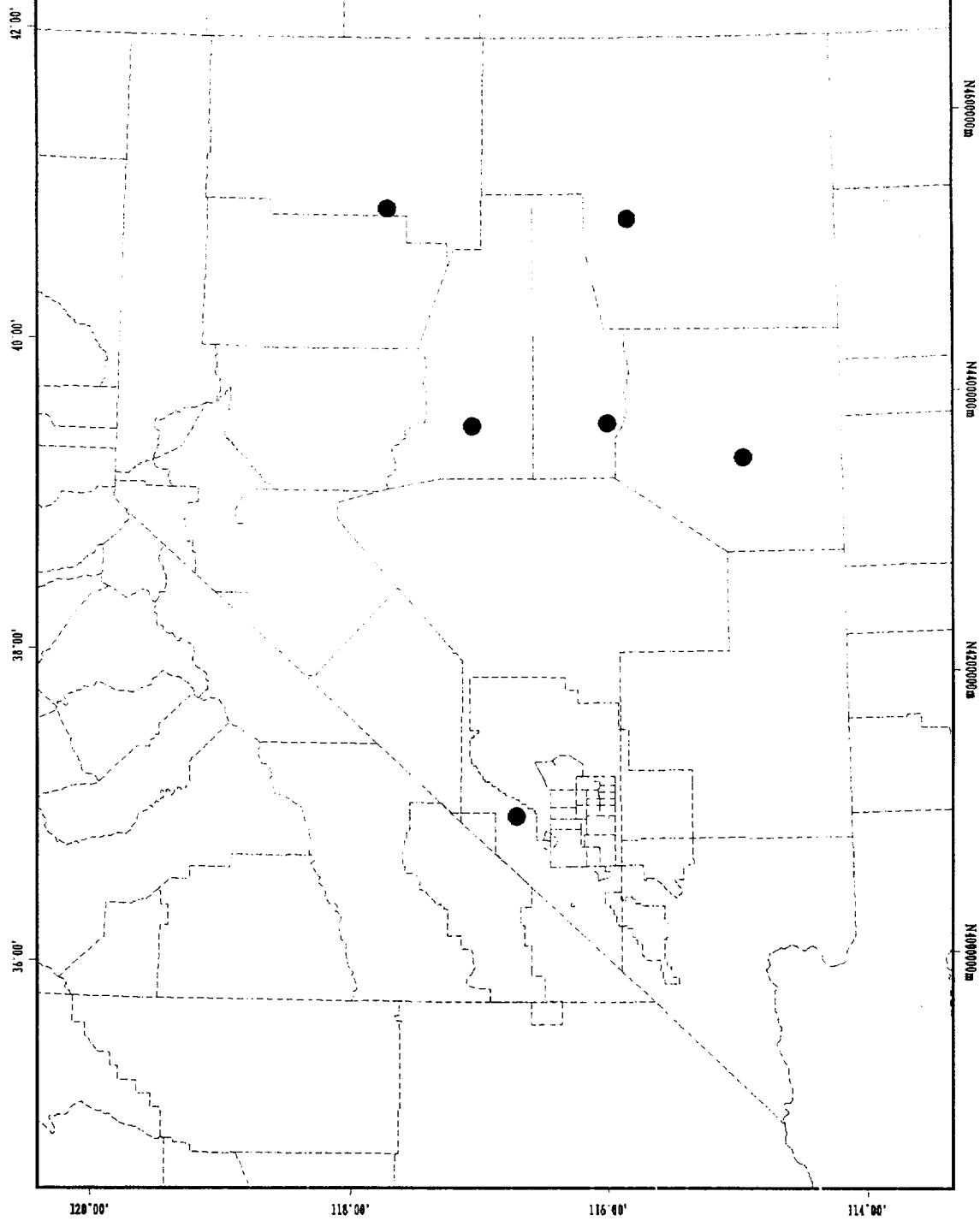
Geographic Extent: State of Nevada

Date Last Edited: 3/21/92

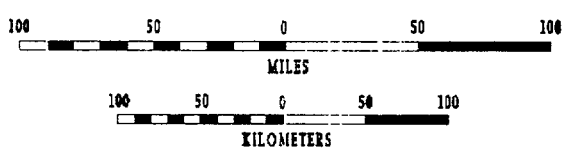
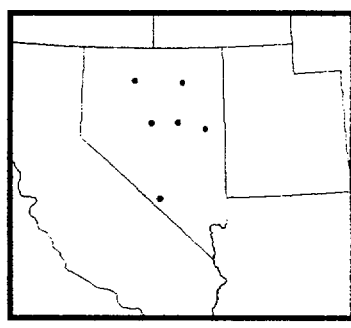
Original Source Scale: n/a

Contact(s): Larry Hayes
U.S. Geological Survey
101 Convention Center Drive
Suite 860
Las Vegas, Nevada 89109
702-794-7138

E200000m E400000m E600000m E800000m



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Temperature and
Precipitation Monitoring

Filename: tempre



NATURAL RESOURCES

Filename: mines

Description: Active mines

Parameter: 5.0 Natural Resource
5.1 Mineral and Energy Resources

Alias: soe2

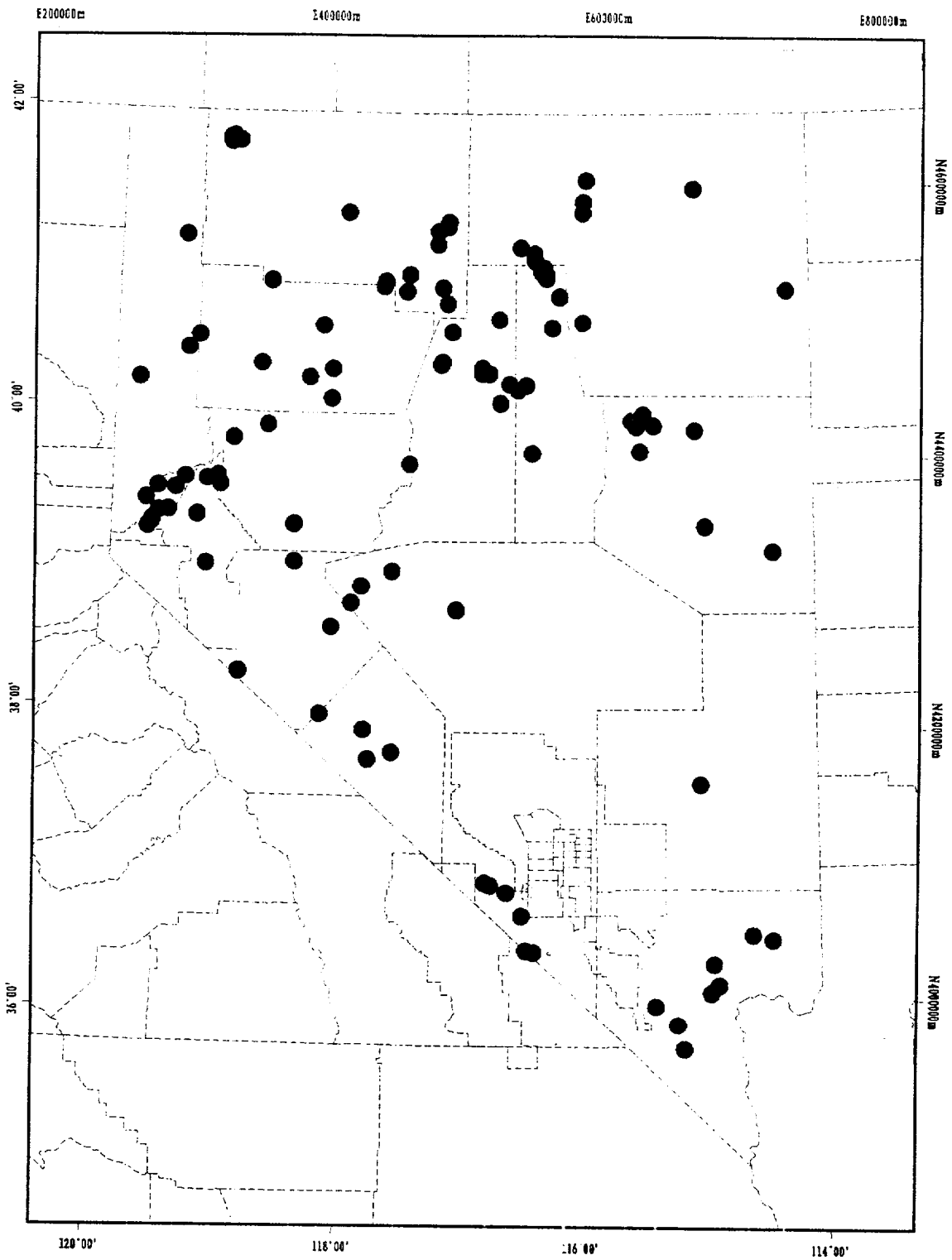
Source: Oil and Gas Development in Nevada
Nevada Bureau of Mines and Geology
Bulletin 104, 1986

Geographic Extent: State of Nevada

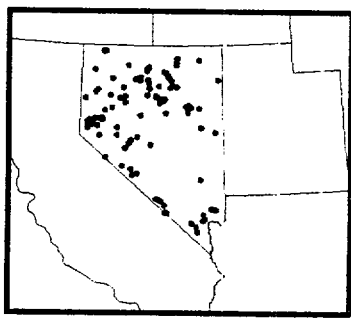
Date Last Edited: 4/9/93

Original Source Scale: n/a

Contact(s): Ron Hess
Nevada Bureau of Mines and Geology
University of Nevada, Reno
M/S 178
Reno, Nevada 89557-0088
702-784-6691



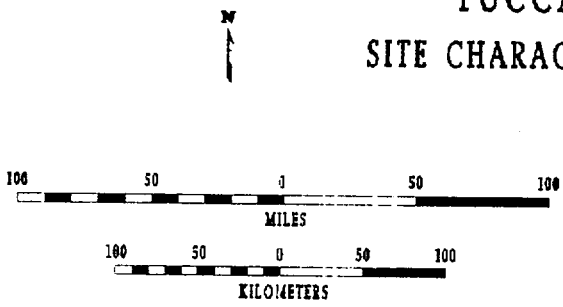
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Active Mines

Filename: mines



Filename: minedis

Description: Mining districts of Nevada

Parameter: 5.0 Natural Resources
5.1 Mineral and Energy Resources

Alias: mine_dist

Source: Mining Districts Of Nevada Map 1992, J. V. Tingley, NBMG Report 47, Nevada Bureau of Mines and Geology (NBMG)

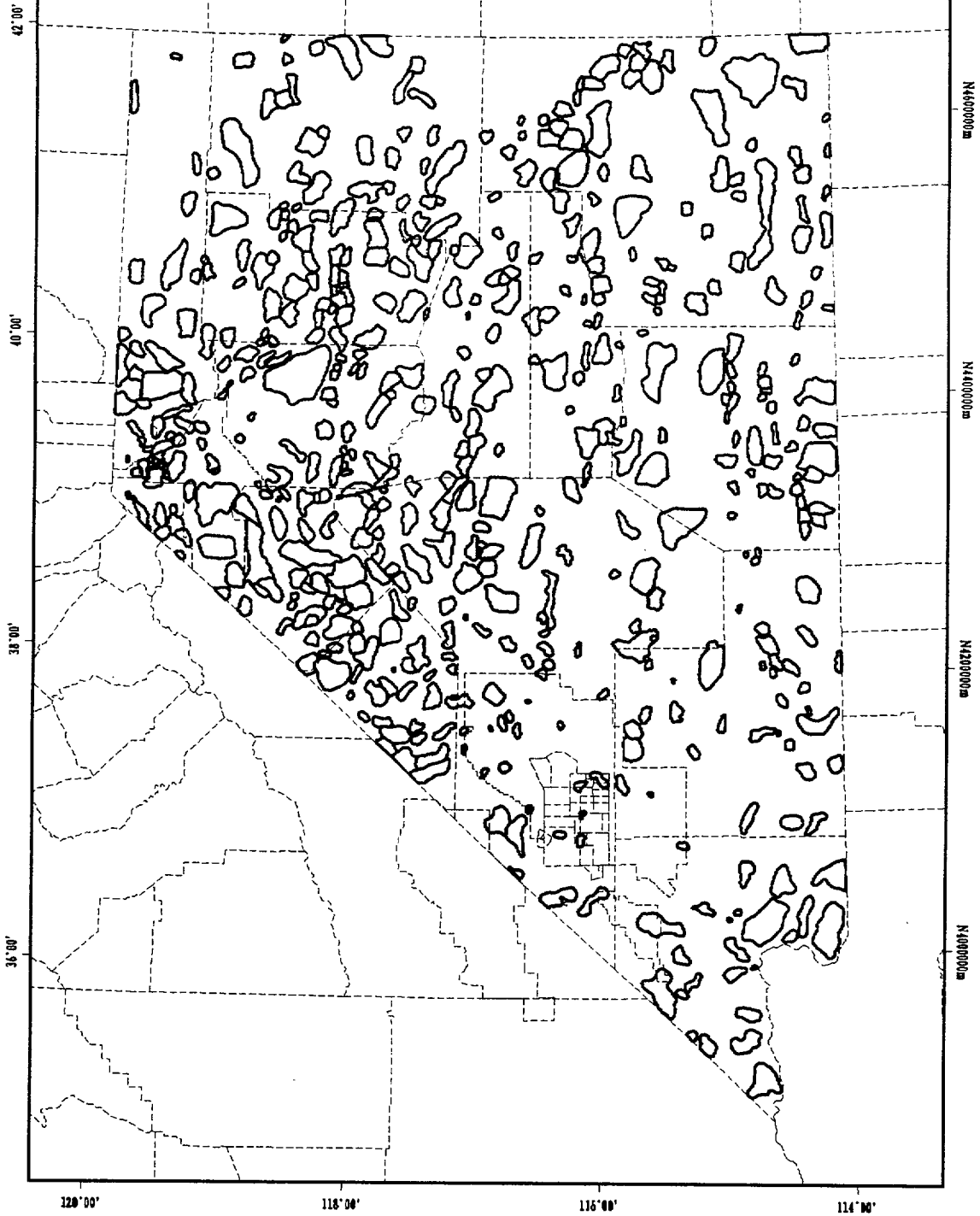
Geographic Extent: Nevada

Date Last Edited: 9/22/93

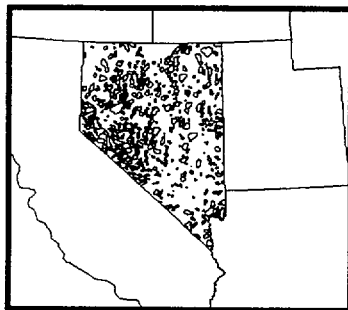
Original Source Scale: 1:750,000

Contact(s): Ron Hess
Nevada Bureau of Mines and Geology
University of Nevada, Reno
M/S 178
Reno, Nevada 89557-0088

E200000m E400000m E600000m E800000m



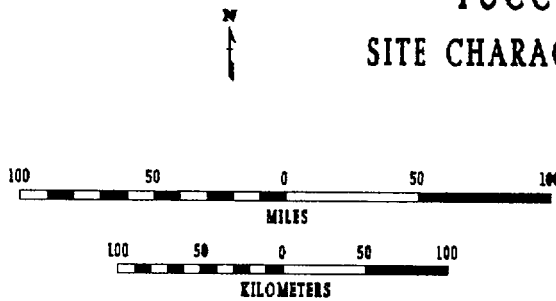
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Mining Districts
Of Nevada

Filename: minedis



Filename: oilgas

Theme: Oil and gas wells

Parameter: 5.0 Natural Resource
5.1 Mineral and Energy Resources

Alias: soe2

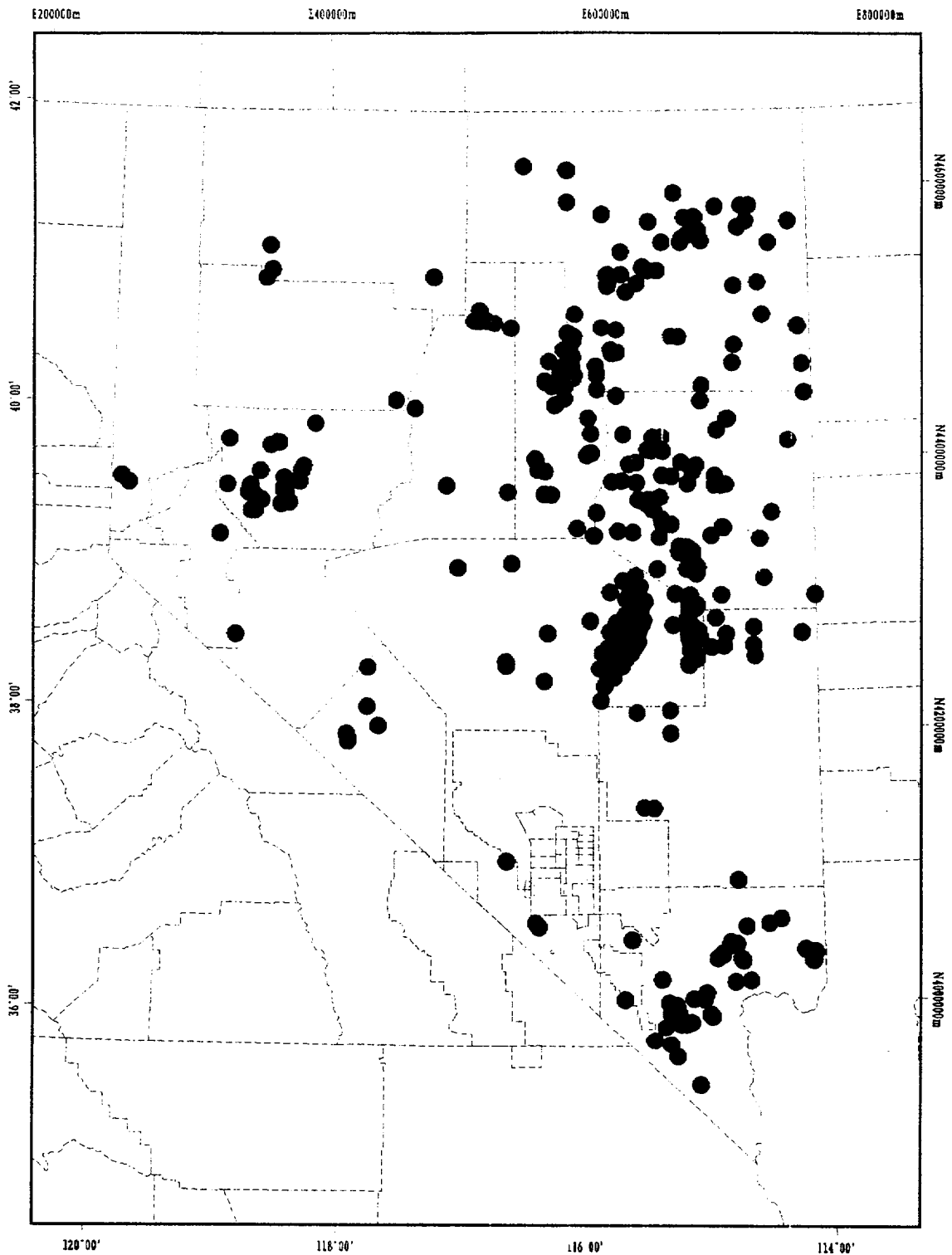
Source: Oil and Gas Development in Nevada
Nevada Bureau of Mines and Geology
Bulletin 104, 1986

Geographic Extent: State of Nevada

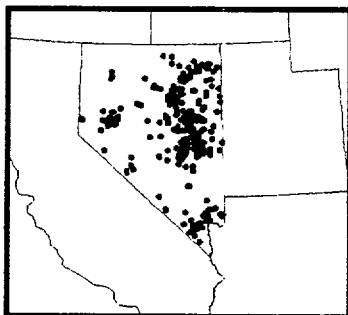
Date Last Edited: 4/9/93

Original Source Scale: n/a

Contact(s): Ron Hess
Nevada Bureau of Mines and Geology
University of Nevada, Reno
M/S 178
Reno, Nevada 89557-0088



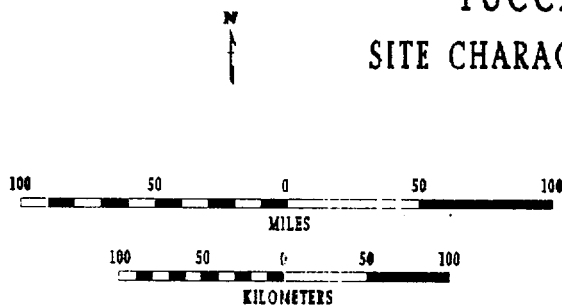
General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Oil and Gas Wells

Filename: oilgas



TRANSPORTATION

Filename: road100

Theme: Roads

Parameter: 7.0 Socioeconomic
7.3 Human Activities

Alias: trn01

Source: TIGER/Line Precensus Files, 1990
United States Bureau of Census,
Washington, D.C., 1989

Geographic Extent: Nye and surrounding counties

Date Last Edited: 8/1/92

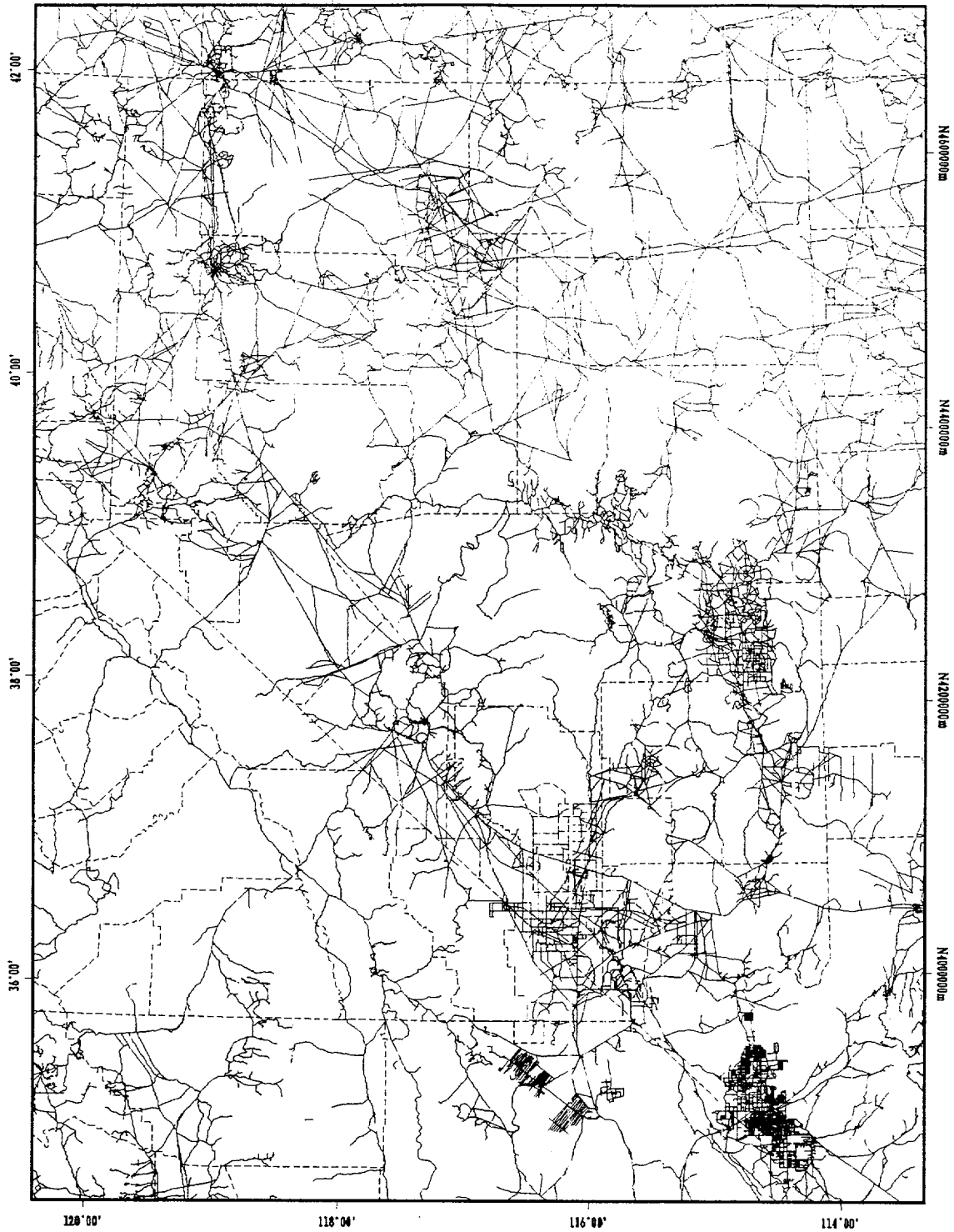
Original Source Scale: 1:100,000

Minimum Mapping Unit: 2.54 meters

Input Accuracy: Manually digitized using equipment with a
resolution of 0.001 inch and an absolute
accuracy of from 0.003 to 0.005 inch

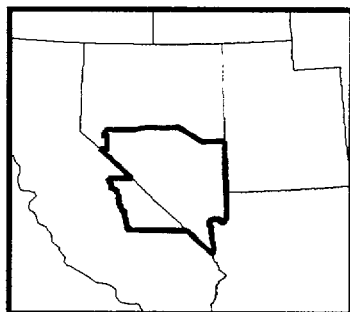
Contact(s): Earth Science Information Center
U.S.Geological Survey
507 National Center
Reston, Virginia 22092
703-860-6045

E200000m E400000m E600000m E800000m



120°00' 118°00' 116°00' 114°00'

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Roads

Filename: road100



Filename: road24k

Description: Roads

Parameter: 7.0 Socioeconomic
7.3 Human Activities

Alias: ymproadsp

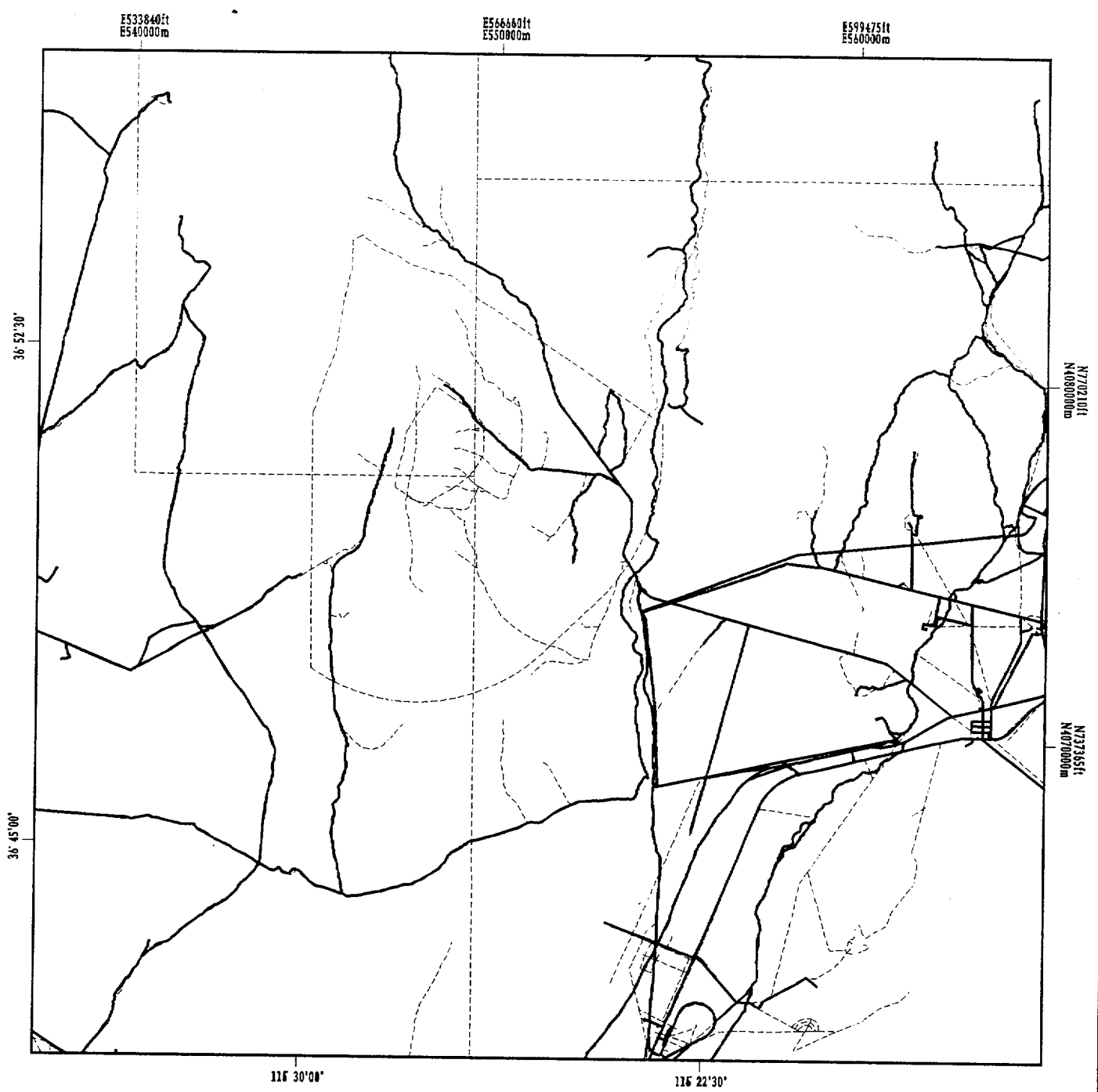
Source: United States Geological Survey
Digital Line Graph Data, transportation
layer, 7.5' series including the following
quadrangles and publish dates:
Amargosa Valley, 1983; Ashton, 1987;
Beatty Mountain, 1987; Busted Butte,
1983; Big Dune, 1986; Carrara Canyon,
1987; Crater Flat, 1986; East of Beatty
Mountain, 1987; Jackass Flat, 1983;
Striped Hills, 1983; Topopah Spring, 1961;
Topopah Spring NW, 1961.

Geographic Extent: Yucca Mountain and vicinity

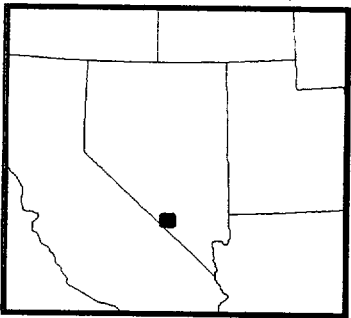
Date Last Edited: 03/19/91

Original Source Scale: 1:24,000

Contact(s): GENISES YMP Database



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Roads

Filename: road24k

Filename: road6k

Description: Roads

Parameter: None

Alias: orthoroads_6k, rd6kopa, roads6k

Source: Interpretted and digitized from orthophotography from 1:6,000 scale, EG&G/EM, July 1990

Geographic Extent: Yucca Mountain area

Date Last Edited: 2/21/92

Original Source Scale: 1:6,000

Contact(s): GENISES YMP Database

E533840ft
E540000m

E566660ft
E550000m

E599475ft
E560000m

36° 52' 30"

36° 45' 00"

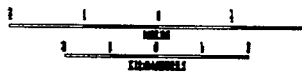
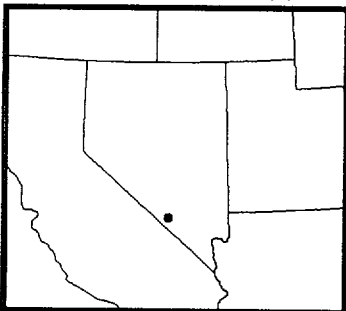
N770210ft
N408000m

N73365ft
N407000m

116° 30' 00"

116° 22' 30"

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Roads

Filename: road6k

**BOREHOLES, PAVEMENTS,
PITS, AND TRENCHES**

Filename: ebore

Description: Existing boreholes

Parameter: 7.0 Socioeconomic
7.3 Human Activities

Alias: existbh

Source: Multiple sourcing provided by
YMP participant organizations

Geographic Extent: Southern Nevada

Date Last Edited: 9/24/93

Original Source Scale: n/a

Positional Accuracy: Best case positional accuracy for
survey reported data is .01 foot

Contact(s): GENISES YMP database

E5502451l
E545000m

E566660f1
E550000m

E5830751t
E555000m

36° 52' 30"

36° 50' 00"

36° 47' 30"

116° 30' 00"

116° 27' 30"

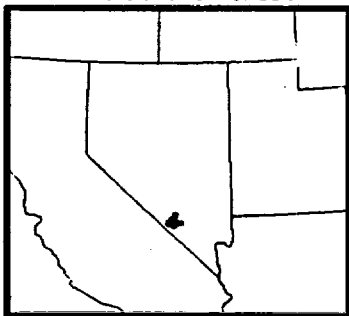
116° 25' 00"

116° 22' 30"

N7702101t
N4080000m

N7539901t
N4075000m

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Existing Boreholes

Filename: ebore



Filename: pbore

Description: Planned boreholes

Parameter: 7.0 Socioeconomic
7.3 Human Activities

Alias: planbh

Source: Multiple sourcing provided by
YMP participant organizations

Geographic Extent: Southern Nevada

Date Last Edited: 9/24/93

Original Source Scale: n/a

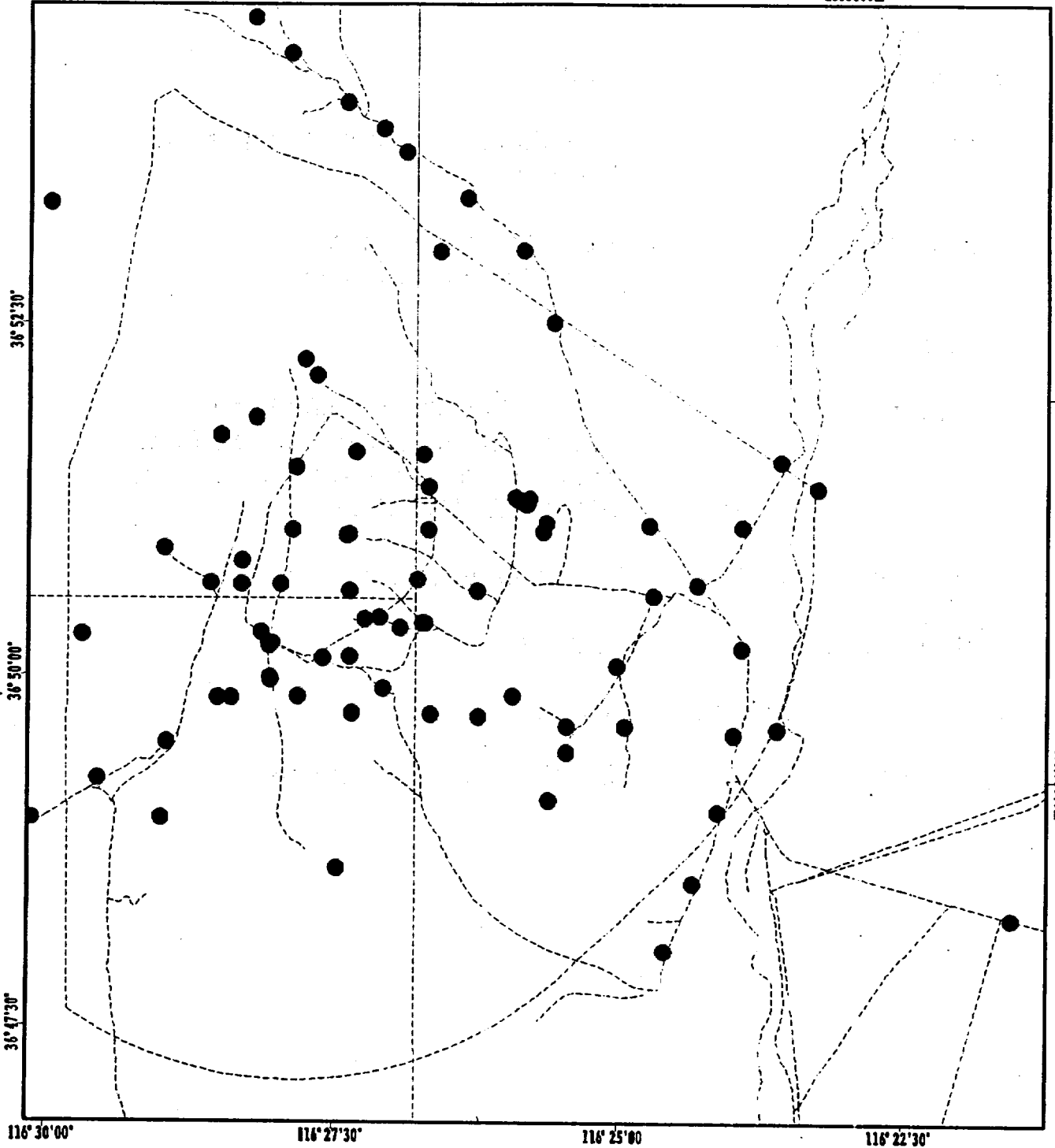
Positional Accuracy: Best case positional accuracy for
survey reported data is .01 foot

Contact(s): GENISES YMP database

E530245ft
E545000m

E566660ft
E550000m

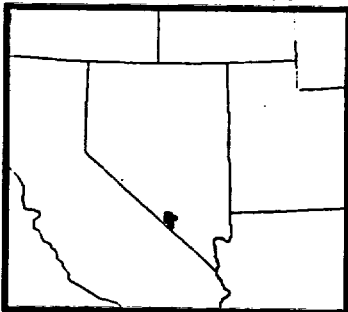
E583075ft
E555000m



N72010ft
N400000m

N73305ft
N4075000m

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Planned Boreholes

Filename: pbore



Filename: disturb

Description: Site characterization disturbance features

Parameter: 7.0 Socioeconomic
7.3 Human Activities

Alias: trn12

Source: Intrepretted from 1:6,000 scale orthophotography generated from 1:24,000 scale aerial photographs, EG&G/EM July 1990

Geographic Extent: Yucca Mountain vicinity

Date Last Edited: 2/21/92

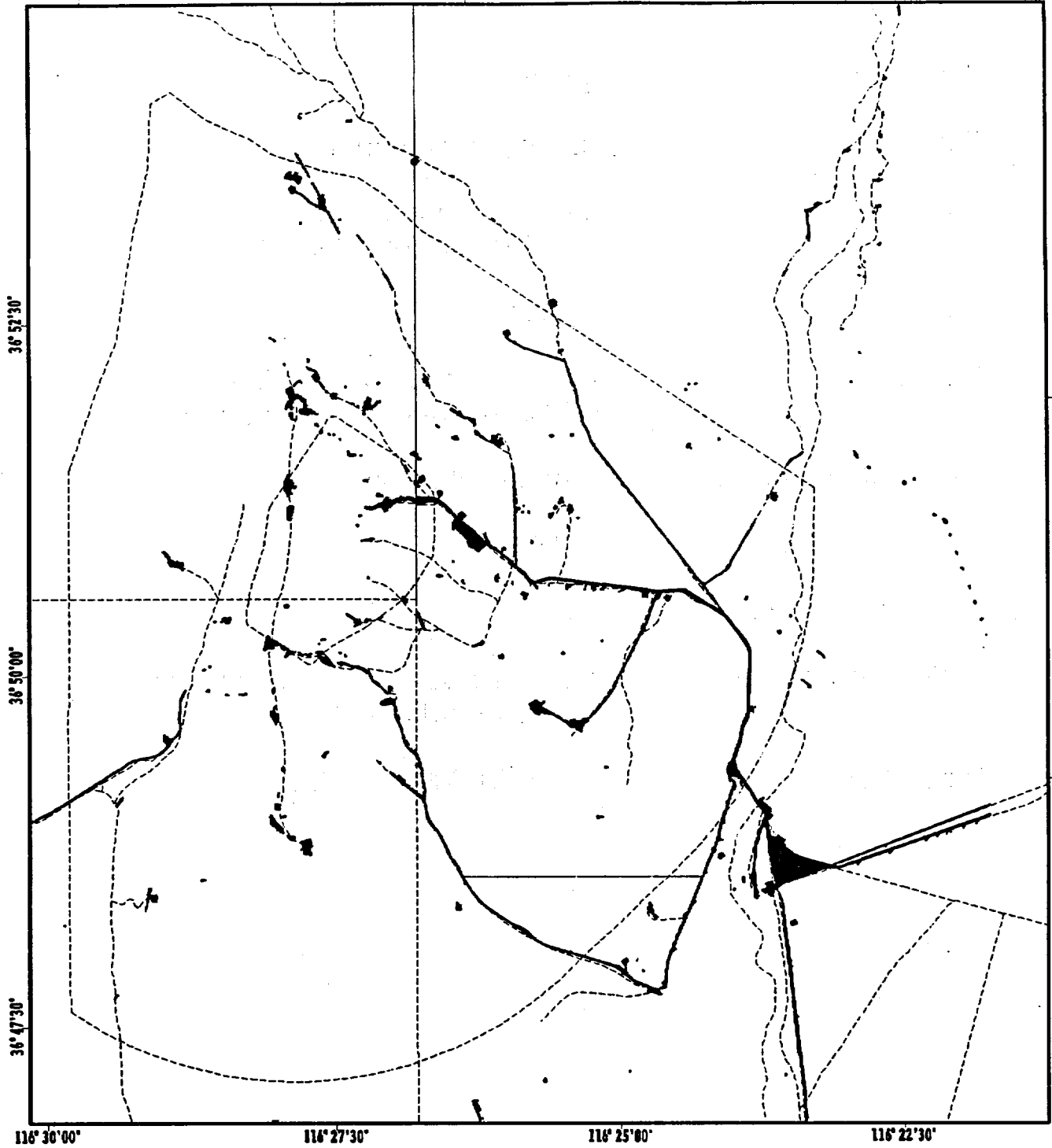
Original Source Scale: 1:6,000

Contact(s): GENISES YMP Database

E5502451t
E545000m

E56660f1
E550008m

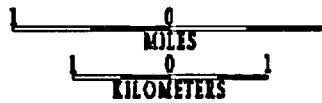
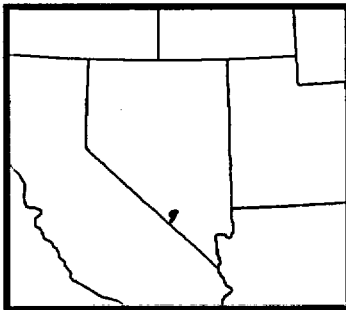
E583075f1
E555000m



N770210f1
N4050000m

N733950f1
N4075000m

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Disturbance Features

Filename: disturb

Filename: epave

Theme: Existing pavements

Parameter: 7.0 Socioeconomic
7.3 Human Activities

Alias: existpav

Source: Multiple sourcing provided by
YMP participant organizations

Geographic Extent: Southern Nevada

Date Last Edited: 9/24/93

Original Source Scale: n/a

Positional Accuracy: Best case positional accuracy for
survey reported data is .01 foot

Contact(s): GENISES YMP database

E550245ft
E545000m

E566660ft
E550000m

E583075ft
E555000m

36° 52' 30"

36° 50' 00"

36° 47' 30"

116° 30' 00"

116° 27' 30"

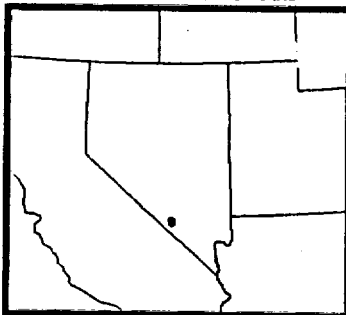
116° 25' 00"

116° 22' 30"

N770210ft
N4080000m

N733950ft
N4075000m

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Existing Pavements

Filename: epave



Filename: epit

Description: Existing pits

Parameter: 7.0 Socioeconomic
7.3 Human Activities

Alias: existpit

Source: Multiple sourcing provided by
YMP participant organizations

Geographic Extent: Southern Nevada

Date Last Edited: 9/24/93

Original Source Scale: n/a

Positional Accuracy: Best case positional accuracy for
survey reported data is .01 foot

Contact(s): GENISES YMP database

E550245ft
E545000m

E566660ft
E550000m

E583075ft
E555000m

36° 52' 30"

36° 50' 00"

36° 47' 30"

116° 36' 00"

116° 27' 30"

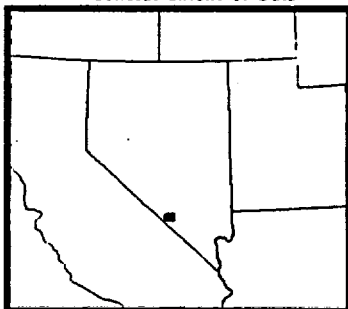
116° 25' 00"

116° 22' 30"

N770210ft
N4080000m

N753950ft
N4075000m

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Existing Pits

Filename: epit

Filename: ppit

Description: Planned pits

Parameter: 7.0 Socioeconomic
7.3 Human Activities

Alias: planpit

Source: Multiple sourcing provided by
YMP participant organizations

Geographic Extent: Southern Nevada

Date Last Edited: 9/24/93

Original Source Scale: n/a

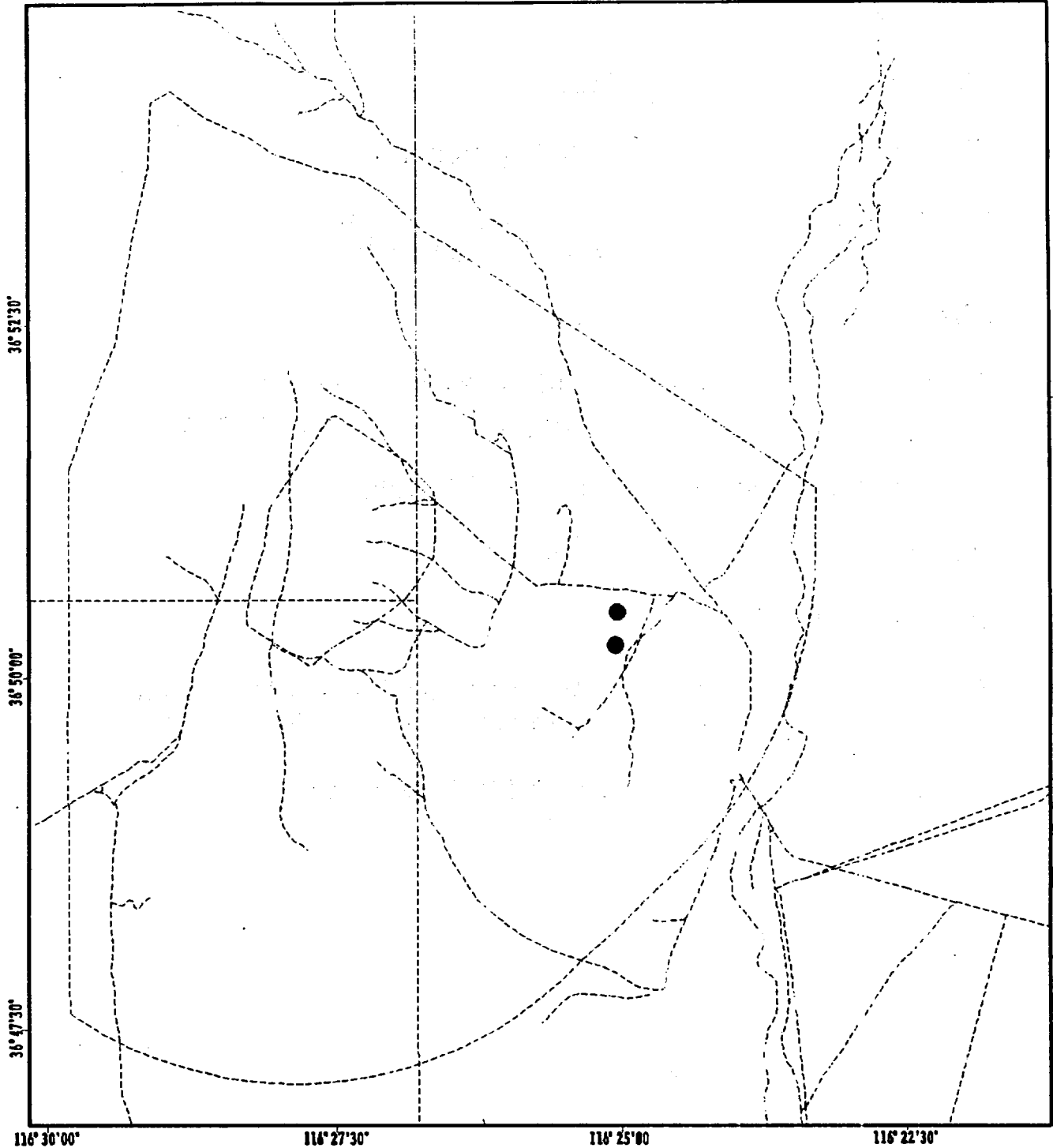
Positional Accuracy: Best case positional accuracy for
survey reported data is .01 foot

Contact(s): GENISES YMP database

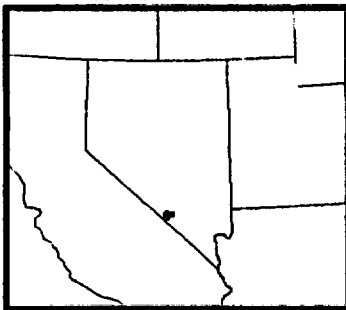
E550245ft
E545000m

E566660ft
E550000m

E583075ft
E555000m



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Planned Pits

Filename: ppit



Filename: etrn

Theme: Existing trenches

Parameter: 7.0 Socioeconomic
7.3 Human Activities

Alias: existtrn

Source: Multiple sourcing provided by
YMP participant organizations

Geographic Extent: Southern Nevada

Date Last Edited: 9/24/93

Original Source Scale: n/a

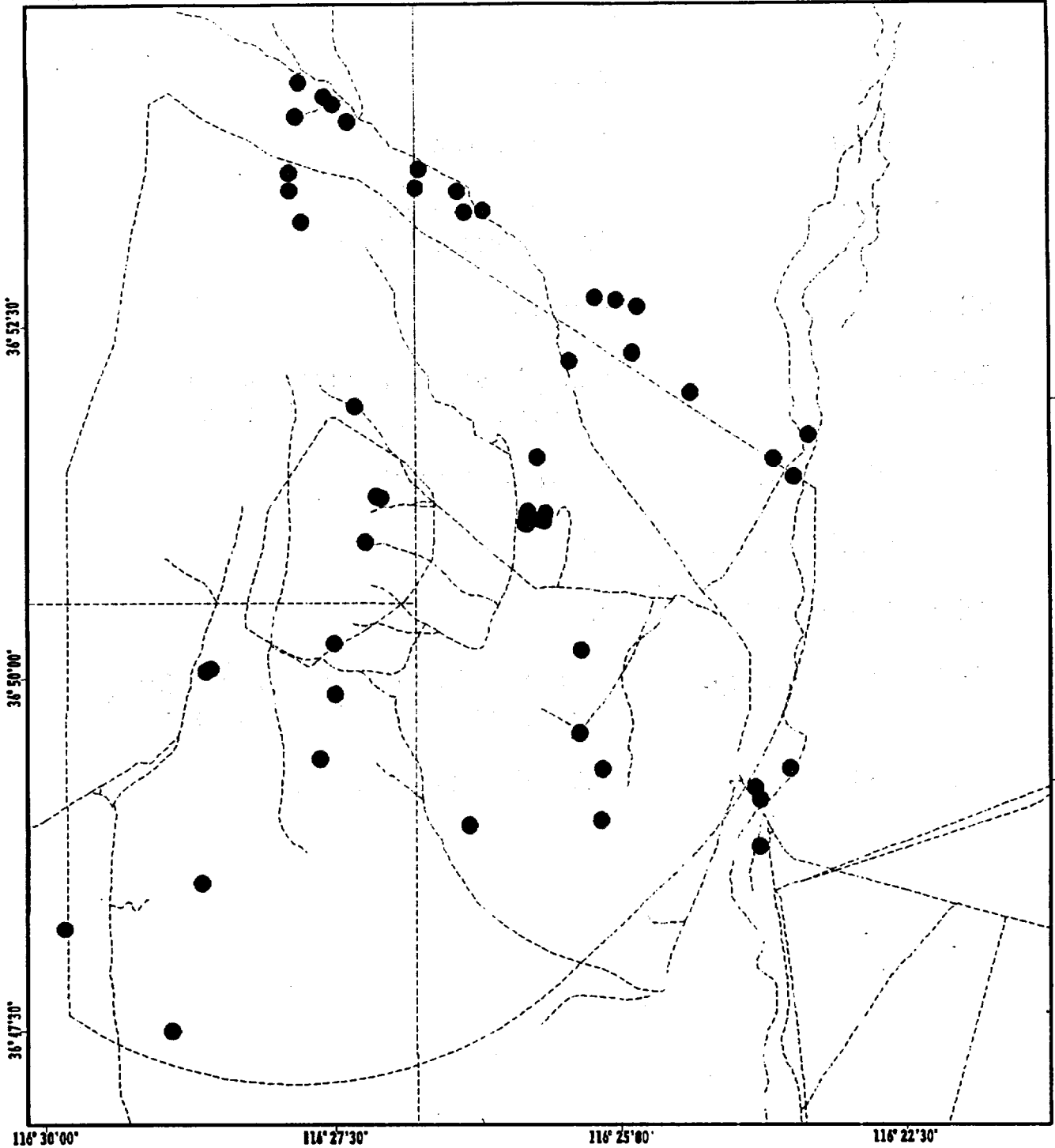
Positional Accuracy: Best case positional accuracy for
survey reported data is .01 foot

Contact(s): GENISES YMP database

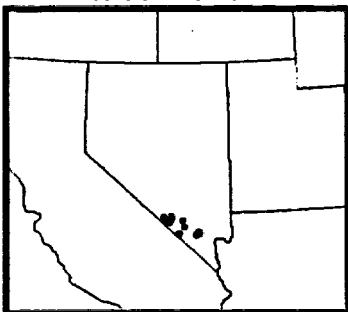
E550245ft
E545000m

E566660ft
E550000m

E583075ft
E555000m



General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Existing Trenches

Filename: etrn



Filename: ptrn

Description: Planned trenches

Parameter: 7.0 Socioeconomic
7.3 Human Activities

Alias: plantrn

Source: Multiple sourcing provided by
YMP participant organizations

Geographic Extent: Southern Nevada

Date Last Edited: 9/24/93

Original Source Scale: n/a

Positional Accuracy: Best case positional accuracy for
survey reported data is .01 foot

Contact(s): GENISES YMP database

E550245ft
E545000m

E56660ft
E55000m

E583075ft
E555000m

36° 52' 30"

36° 50' 00"

36° 47' 30"

116° 30' 00"

116° 27' 30"

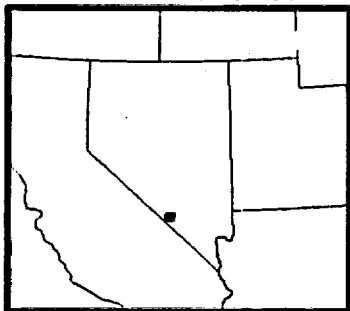
116° 25' 00"

116° 22' 30"

N770210ft
N408000m

N753950ft
N407500m

General Extent of Data



YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Planned Trenches

Filename: ptrn

Appendix A

EG&G/EM WORK REQUEST



RSL YMP Support Office
 EG&G Energy Measurements, Inc.
 P.O. Box 1912, M/S: V-02
 Las Vegas, Nevada 89125
 Telephone: (702)794-7852
 FAX: (702)794-7469

WBS: _____
QA: _____
TRACKING DESIGNATOR: _____

WORK REQUEST

Today's Date: _____

TO BE COMPLETED BY THE REQUESTOR:

YMP Participant (Y/N) _____

NAME: _____ SIGNATURE: _____

ORGANIZATION: _____ TELEPHONE: _____

ADDRESS: _____

PURPOSE OF PRODUCT: _____

WILL THE PRODUCT BE USED IN QUALITY-AFFECTING WORK? _____ DATE NEEDED: _____ RELEASABLE DATA (Y/N) _____

PRODUCT FORMAT	Hardcopy:	Number of Copies:	Map Size or Scale:	Other:
	Digital:	OS:	File Format:	Media:

WORK DESCRIPTION:

TO BE COMPLETED BY GENISES DATABASE PERSONNEL								Job Number:	
---	--	--	--	--	--	--	--	-------------	--

Cost Estimate (Y/N):	Processing Plan (Y/N):	Scheduled Delivery Date:
----------------------	------------------------	--------------------------

Map	Data	Photo	Graphic	Image Process	GIS Analysis	DGI	Photo Acq.	Data Submit	Internal Request	Other
-----	------	-------	---------	---------------	--------------	-----	------------	-------------	------------------	-------

RECEIVED BY: _____	DATE: _____
<small>(I have reviewed this form and all blanks are intentional)</small>	
APPROVED BY: _____	DATE: _____

WHITE: Record

BLUE: Customer

YELLOW: YMPSO Copy

PINK: RSL Copy

(INSTRUCTIONS PROVIDED ON BACK)

WORK REQUEST INSTRUCTIONS

The unshaded portion of the form should be completed by the Requestor or a GENISES staff member in consultation with the Requestor as follows:

Date: Today's date (mm/dd/yy)
YMP Participant: Is the Requestor from a YMP Participant Organization, Yes or No.
Name: Requestor's Name
Signature: Requestor's Signature (or Genises Staff Member's Initials).
Organization: Requestor's Organization (e.g. DOE/YMP, M&O, RSN, etc.).
Telephone: Requestor's Telephone Number (including area code).
Address: Address to which the Requestor wants the product sent.
Purpose of Product: A brief description of the use for the requested product (e.g. report figure, briefing, planning, etc.).
Will the Product be Used in Quality-affecting Work? Is this product going to be used for quality-affecting work; Yes or No.
Request Delivery Date: Date on which the Requestor would like the product delivered.
Releasable Data: Is data provided releasable to other Participants; Yes or No.
Product Format: Fill in the appropriate spaces for the format of the requested product, as follows:

Hardcopy: Check if the product is a map, photograph, graphic or tabular report.
Number of Copies: The number of hardcopies needed.
Map Size or Scale: The size of the map (e.g. E-size, page, or 30" x 30") or a map scale (1:12,000 or 1" = 100').
Other: Other format considerations, such as mylar or Duraflex material.
Digital: Check if the product is required in digital format.
OS: Identify the Operating System (OS) the digital product will be used on (e.g. MS DOS, VMS, UNIX)
File Format: Identify the file format needed (e.g. DLG, DXF, ASCII, Arc/Info Export)
Media: Identify the required media for digital file transfer (e.g. 1/4" cartridge, 8mm cartridge, 3.5" disk, floppy disk, etc.)

Work Description: A description of the product being requested. If the product is an existing map or report, a new product, or data request, the following types of information should be provided.

Copies of existing maps or reports: The Requestor should provide the EG&G/EM map number located in the lower right corner of an existing map, or the product number for existing tabular and report data.
NOTE: Requesting an existing map product will not automatically include updates to any thematic information; the Requestor must specify that the most current available data is needed.

Modification to an existing product: The Requestor should provide the EG&G/EM map number and a description of the modification, deletion, additions or updates to the previous product.

New map products: The Requestor should provide a detailed description of the product, and indicate any constraints, limitations, assumptions or general comments regarding the product. The following information should be identified, if known:

Basemap data: What basemap features, symbology or labeling are needed on the map (e.g. YMP Administrative boundaries, elevation contours, transportation)?
Thematic data: What thematic features, symbology or labeling are needed on the map (e.g. boreholes, trenches, pits, environmental sampling locations)?
Legend info: What is the title of the map?

New data products: The Requestor should provide a description of the type of data requested (e.g. trenches, boreholes, etc.), any attributes (e.g. depth, activity identifier, coordinate locations, etc.), and format (e.g. digital file, tabular listing or report).