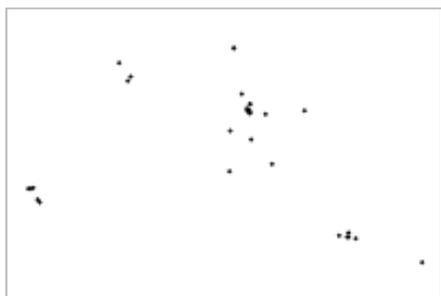


CERCLIS-listed Uranium-Vanadium Mines of the Navajo Nation



Data format: Shapefile

File or table name: NN_CERCLIS_UV_Site

Coordinate system: Geographic

Theme keywords: Uranium Mines, Vanadium Mines, CERCLIS Listed Mines

Abstract: This point shapefile provides locations and information on Uranium-Vanadium Mines of the Navajo Nation that are listed in the U.S. Environmental Protection Agency CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System). CERCLIS contains information on hazardous waste sites, potential hazardous waste sites, and remedial activities across the nation, including sites that are on the National Priorities List (NPL) or being considered for the NPL.

FGDC and ESRI Metadata:

- [Identification Information](#)
- [Data Quality Information](#)
- [Spatial Data Organization Information](#)
- [Spatial Reference Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Metadata Reference Information](#)
- [Binary Enclosures](#)

Metadata elements shown with blue text are defined in the Federal Geographic Data Committee's (FGDC) [Content Standard for Digital Geospatial Metadata \(CSDGM\)](#). Elements shown with green text are defined in the [ESRI Profile of the CSDGM](#). Elements shown with a green asterisk (*) will be automatically updated by ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with gray text.

Identification Information:

Citation:

Citation information:

Originators: REQUIRED: The name of an organization or individual that developed the data set.

Title:

CERCLIS-listed Uranium-Vanadium Mines of the Navajo Nation

***File or table name:** NN_CERCLIS_UV_Site

Publication date: REQUIRED: The date when the data set is published or otherwise made available for release.

***Geospatial data presentation form:** vector digital data

***Online linkage:**

\\Terra_dc\Navajo\NAUM_NN_Summary\DB\AUM\NN_CERCLIS_UV_Site.shp

Description:**Abstract:**

This point shapefile provides locations and information on Uranium-Vanadium Mines of the Navajo Nation that are listed in the U.S. Environmental Protection Agency CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System). CERCLIS contains information on hazardous waste sites, potential hazardous waste sites, and remedial activities across the nation, including sites that are on the National Priorities List (NPL) or being considered for the NPL.

Purpose:

This point shapefile is intended to provide information on CERCLIS-listed Uranium-Vanadium Mines of the Navajo Nation.

***Language of dataset:** en

Time period of content:**Time period information:****Single date/time:**

Calendar date: 7/20/2000

Currentness reference:

publication date

Status:

Progress: Complete

Maintenance and update frequency: None planned

Spatial domain:**Bounding coordinates:**

***West bounding coordinate:** -111.433201

***East bounding coordinate:** -107.137542

***North bounding coordinate:** 37.410828

***South bounding coordinate:** 35.076987

Local bounding coordinates:

***Left bounding coordinate:** -111.433201

***Right bounding coordinate:** -107.137542

***Top bounding coordinate:** 37.410828

***Bottom bounding coordinate:** 35.076987

Keywords:**Theme:**

Theme keywords: Uranium Mines, Vanadium Mines, CERCLIS Listed Mines

Theme keyword thesaurus: None

Place:

Place keywords: Navajo Nation, Arizona, New Mexico, Utah

Place keyword thesaurus: None

Access constraints: None

Use constraints:

This dataset provides information on Uranium-Vanadium Mines of the Navajo Nation that are CERCLIS-listed.

Use of this data generally requires computer workstations with ESRI's Arc/Info (7.x or above), ArcGIS (8.x or above), or ArcView (3.x or 8.x), or some other GIS or CAD software that is capable of reading or converting this dataset.

The data are provided "as-is," without warranty of any kind, either express or implied.

These data have been compiled as part of a desktop project to collect existing spatial data to support the study of Navajo abandoned uranium mines. No field verifications were undertaken as part of this desktop study.

Point of contact:**Contact information:****Contact organization primary:**

Contact organization: U. S. Environmental Protection Agency, Region 9, Superfund Program

Contact address:

Address type: mailing and physical address

Address:

75 Hawthorne St (SFD 8-2)

City: San Francisco

State or province: CA

Postal code: 94105

Country: USA

Contact voice telephone: 415-972-3167

Data set credit:

Kati Long, SAIC/Indus Team

Security information:

Security classification system: None

***Native dataset format:** Shapefile

***Native data set environment:**

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.1.0.780

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Data Quality Information:**Attribute accuracy:****Attribute accuracy report:**

Not available from the data provider.

Logical consistency report:

Not available from the data provider.

Completeness report:

This dataset provides information on Uranium-Vanadium Mines of the Navajo Nation that are CERCLIS-listed.

Positional accuracy:

Horizontal positional accuracy:**Horizontal positional accuracy report:**

Not available from the data provider.

Lineage:**Source information:****Source citation:****Citation information:**

Originators: USE EPA Region 9

Title:

CERCLIS-listed uranium/vanadium mines in the Navajo Nation

Publication date: 7/20/2000

Geospatial data presentation form: vector digital data

Publication information:

Publication place: San Francisco, CA

Publisher: US EPA Region 9

Source scale denominator: NA

Type of source media: CD-ROM

Source citation abbreviation:

AUM_X

Source contribution:

Point coverage of CERCLIS-listed uranium/vanadium mines in the Navajo Nation.

Where possible, lat/longs were obtained from Record Center documents, such as CERCLA Preliminary Assessment Summary Reports. In cases where no locational data was found in Record Center documents, the lat/long provided in the CERCLIS 3 database were used. Most of the points each represent individual mine sites. However, some points represent "aggregate" mine sites, e.g. King Tutt Mesa Aggregate Site. The coverage was created by first adding a table of site information to ArcView. Then the DMSTODD2.AVE script was added and used. It adds the fields DD_X and DD_Y based on other fields holding lat/long information - in this case, DMS_LAT and DMS_LONG. The new decimal degree fields were then used to create points as an event theme in ArcView. A shapefile was created from the points, and then a coverage was created from the shapefile. The coverage was projected to R9-Albers. There are 47 points in the final coverage.

Process step:**Process description:**

The AUM_X coverage was projected from R9-Albers83 and exported to Decimal Degrees, NAD83. Extraneous fields required by coverages and not by shapefiles were deleted.

Process software and version: ESRI ArcGIS 8.2

Process date: 3/8/2004

Source used citation abbreviation:

AUM_X

Process contact:**Contact information:**

Contact organization primary:

Contact organization: TerraSpectra Geomatics

Contact address:**Address type:** mailing and physical address**Address:**

2700 E Sunset Rd, Ste A-10

City: Las Vegas**State or province:** NV**Postal code:** 89120**Country:** USA[Back to Top](#)

Spatial Data Organization Information:***Direct spatial reference method:** Vector**Point and vector object information:****SDTS terms description:*****Name:** NN_CERCLIS_UV_Site***SDTS point and vector object type:** Entity point***Point and vector object count:** 47**ESRI terms description:*****Name:** NN_CERCLIS_UV_Site***ESRI feature type:** Simple***ESRI feature geometry:** Point***ESRI topology:** FALSE***ESRI feature count:** 47***Spatial index:** TRUE***Linear referencing:** FALSE[Back to Top](#)

Spatial Reference Information:**Horizontal coordinate system definition:****Coordinate system name:*****Geographic coordinate system name:** GCS_North_American_1983**Geographic:*****Latitude resolution:** 0.000000***Longitude resolution:** 0.000000***Geographic coordinate units:** Decimal degrees**Geodetic model:*****Horizontal datum name:** North American Datum of 1983***Ellipsoid name:** Geodetic Reference System 80***Semi-major axis:** 6378137.000000***Denominator of flattening ratio:** 298.257222[Back to Top](#)

Entity and Attribute Information:

Detailed description:

***Name:** NN_CERCLIS_UV_Site

Entity type:

***Entity type label:** NN_CERCLIS_UV_Site

***Entity type type:** Feature Class

***Entity type count:** 47

Entity type definition:

CERCLIS-listed Uranium-Vanadium Mines of the Navajo Nation

Entity type definition source:

USEPA

Attribute:

***Attribute label:** FID

***Attribute alias:** FID

*Attribute definition:

Internal feature number.

*Attribute definition source:

ESRI

***Attribute type:** OID

***Attribute width:** 4

***Attribute precision:** 0

***Attribute scale:** 0

Attribute domain values:

*Unrepresentable domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

***Attribute label:** Shape

***Attribute alias:** Shape

*Attribute definition:

Feature geometry.

*Attribute definition source:

ESRI

***Attribute type:** Geometry

***Attribute width:** 0

***Attribute precision:** 0

***Attribute scale:** 0

Attribute domain values:

*Unrepresentable domain:

Coordinates defining the features.

Attribute:

***Attribute label:** AUM_X_ID

***Attribute alias:** AUM_X_ID

Attribute definition:

Arbitrary unique ID

Attribute definition source:

ESRI

***Attribute type:** Number

***Attribute width:** 9

Attribute:

***Attribute label:** MAP_ID

***Attribute alias:** MAP_ID

Attribute definition:

Number on the map layout identifying the site

Attribute definition source:

USEPA Region 9

***Attribute type:** Number

***Attribute width:** 9

Attribute:

***Attribute label:** SITE

***Attribute alias:** SITE

Attribute definition:

Site name

Attribute definition source:

USEPA Region 9

***Attribute type:** String

***Attribute width:** 54

Attribute:

***Attribute label:** CERCLIS_ID

***Attribute alias:** CERCLIS_ID

Attribute definition:

CERCLIS identification number

Attribute definition source:

USEPA Region 9

***Attribute type:** String

***Attribute width:** 17

Attribute:

***Attribute label:** COUNTY_

***Attribute alias:** COUNTY_

Attribute definition:

Name of the county in which the mine site falls (according to CERCLIS)

Attribute definition source:

USEPA Region 9

***Attribute type:** String

***Attribute width:** 10

Attribute:

***Attribute label:** DMS_LAT

***Attribute alias:** DMS_LAT

Attribute definition:

Latitude in degrees-minutes-seconds

Attribute definition source:

USEPA Region 9

***Attribute type:** Number

***Attribute width:** 9

Attribute:

***Attribute label:** DMS_LONG

***Attribute alias:** DMS_LONG

Attribute definition:

Longitude in degrees-minutes-seconds

Attribute definition source:

USEPA Region 9

***Attribute type:** Number

***Attribute width:** 9

Attribute:

***Attribute label:** SOURCE

***Attribute alias:** SOURCE

Attribute definition:

Source of the lat/long used to create the point, usually a Record Center document

Attribute definition source:

USEPA Region 9

***Attribute type:** String

***Attribute width:** 54

Attribute:

***Attribute label:** OTHER_LAT

***Attribute alias:** OTHER_LAT

Attribute definition:

Latitude of site described by a different Record Center document

Attribute definition source:

USEPA Region 9

***Attribute type:** Number

***Attribute width:** 9

Attribute:

***Attribute label:** OTHER_LONG

***Attribute alias:** OTHER_LONG

Attribute definition:

Longitude of site described by a different Record Center document

Attribute definition source:

USEPA Region 9

***Attribute type:** Number

***Attribute width:** 9

Attribute:

***Attribute label:** OTHER_SOUR

***Attribute alias:** OTHER_SOUR

Attribute definition:

Record Center document that describes a second site location for the mine. This location is shown in the items OTHER_LAT and OTHER_LONG. This site location is not shown on the map, but is listed in the table on the map layout.

Attribute definition source:

USEPA Region 9

***Attribute type:** String

***Attribute width:** 35

Attribute:

***Attribute label:** DD_X

***Attribute alias:** DD_X

Attribute definition:

Translation of the item DMS_LONG to decimal degrees

Attribute definition source:

USEPA Region 9

***Attribute type:** Float

***Attribute width:** 19

***Attribute number of decimals:** 11

Attribute:

***Attribute label:** DD_Y

***Attribute alias:** DD_Y

Attribute definition:

Translation of the item DMS_LAT to decimal degrees

Attribute definition source:

USEPA Region 9

***Attribute type:** Float

***Attribute width:** 19

***Attribute number of decimals:** 11

Overview description:

Dataset overview:

There are 47 points representing CERCLIS-listed Uranium-Vanadium Mines of the Navajo Nation.

Entity and attribute overview:

There are 12 thematic attributes. They are:

MAP_ID Number on the map layout identifying the site

SITE Site name

CERCLIS_ID Cerclis identification number

COUNTY_ Name of the county in which the mine site falls (according to CERCLIS)

DMS_LAT Latitude in degrees-minutes-seconds

DMS_LONG Longitude in degrees-minutes-seconds

SOURCE Source of the lat/long used to create the point, usually a Record Center document

OTHER_LAT Latitude of site described by a different Record Center document

OTHER_LONG Longitude of site described by a different Record Center document

OTHER_SOUR Record Center document that describes a second site location for the mine. This location is shown in the items OTHER_LAT and OTHER_LONG. This site location is not shown on the map, but is listed in the table on the map layout.

DD_X Translation of the item DMS_LONG to decimal degrees.

DD_Y Translation of the item DMS_LAT to decimal degrees.

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Distribution Information:

Distributor:**Contact information:****Contact organization primary:**

Contact organization: U. S. Environmental Protection Agency, Region 9,
Superfund Records Center

Contact address:

Address type: mailing address

Address:

95 Hawthorne St (SFD-7C)

City: San Francisco

State or province: CA

Postal code: 94105

Country: USA

Contact voice telephone: 415-536-2033

Resource description: Downloadable Data

Distribution liability:

Although these data have been processed successfully on a computer system for the US EPA, no warranty expressed or implied is made by the US EPA or its contractors regarding the utility of the data on any other system, nor shall the act of distribution constitute any such warranty. No responsibility is assumed by US EPA or its contractors in the use of these data.

Standard order process:**Digital form:****Digital transfer information:**

***Transfer size:** 0.001

***Dataset size:** 0.001

Custom order process:

Contact the US EPA for a custom order.

Technical prerequisites:

Use of this data generally requires computer workstations with ESRI's Arc/Info (7.x or above), ArcGIS (8.x or above), or ArcView (3.x or 8.x), or some other GIS or CAD software that is capable of reading or converting this dataset.

Available time period:**Time period information:**

Single date/time:

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Metadata Reference Information:

***Metadata date:** 20070720

***Language of metadata:** en

Metadata contact:**Contact information:**

Contact person primary:

Contact person: Andrew Bain
Contact organization: U. S. Environmental Protection Agency, Region 9,
Superfund Program
Contact position: Project Manager

Contact address:

Address type: mailing and physical address

Address:

75 Hawthorne St (SFD 8-2)

City: San Francisco

State or province: CA

Postal code: 94105

Country: USA

Contact voice telephone: 415-972-3167

***Metadata standard name:** FGDC Content Standards for Digital Geospatial Metadata

***Metadata standard version:** FGDC-STD-001-1998

***Metadata time convention:** local time

Metadata access constraints: None.

Metadata use constraints:

None.

Metadata security information:

Metadata security classification system: None

Metadata extensions:

***Online linkage:** <http://www.esri.com/metadata/esriprof80.html>

***Profile name:** ESRI Metadata Profile

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Binary Enclosures:

Thumbnail:

Enclosure type: Picture



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