

NAMLRP Problem Areas for Abandoned Non-Coal Mines



Data format: Shapefile

File or table name: NN_AUM_Problem_Areas

Coordinate system: Geographic

Theme keywords: Problem Areas, Non-Coal Abandoned Mines

Abstract: This polygon shapefile locates problem areas that contain multiple project areas within the Navajo Nation that are associated with abandoned non-coal mines, including uranium-vanadium mines, copper, and sand & gravel mines. This polygon shapefile also contains a few smaller satellite "sites" that may or may not be assigned to a problem area. The boundaries were manually heads-up digitized to contain all its mine sites and project areas.

FGDC and ESRI Metadata:

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- [Data Quality Information](#)
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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: Navajo Abandoned Mine Lands Reclamation Program (NAMLRP)

Title:

NAMLRP Problem Areas for Abandoned Non-Coal Mines

***File or table name:** NN_AUM_Problem_Areas

Publication date: Unpublished Material

Edition: June 25, 2004

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

Publication information:

Publication place: Window Rock, AZ

Publisher: Navajo Abandoned Mine Lands Reclamation Program

***Online linkage:**

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

Description:

Abstract:

This polygon shapefile locates problem areas that contain multiple project areas within the Navajo Nation that are associated with abandoned non-coal mines, including uranium-vanadium mines, copper, and sand & gravel mines. This polygon shapefile also contains a few smaller satellite "sites" that may or may not be assigned to a problem area. The boundaries were manually heads-up digitized to contain all its mine sites and project areas.

Purpose:

This problem areas polygon shapefile was developed for and is maintained by the Navajo Nation Abandoned Mine Lands Reclamation Program (NAMLRP). It is intended to document the location and name of each problem area that contains non-coal abandoned mine sites within the Navajo Nation.

***Language of dataset:** en

Time period of content:

Time period information:

Single date/time:

Calendar date: 2004

Currentness reference:

publication date

Status:

Progress: In work

Maintenance and update frequency: As needed

Spatial domain:

Bounding coordinates:

***West bounding coordinate:** 248.347459

***East bounding coordinate:** 251.478126

***North bounding coordinate:** 37.270724

***South bounding coordinate:** 35.441786

Local bounding coordinates:

***Left bounding coordinate:** 248.347459

***Right bounding coordinate:** 251.478126

***Top bounding coordinate:** 37.270724

***Bottom bounding coordinate:** 35.441786

Keywords:

Theme:

Theme keywords: Problem Areas, Non-Coal Abandoned Mines

Theme keyword thesaurus: None

Place:

Place keywords: Navajo Nation, Arizona, New Mexico, Utah, United States of America

Place keyword thesaurus: None

Access constraints: Access to this shapefile requires written permission of the Navajo Nation Abandoned Mine Lands Reclamation Program.

Use constraints:

This problem areas data set identifies features within the Navajo Nation. This dataset is appropriate for scales of 1:24,000 and smaller.

Use of these data generally requires computer workstations with ESRI's Arc/Info (8.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 project.

Point of contact:

Contact information:

Contact person primary:

Contact organization: Navajo Abandoned Mine Lands Reclamation Program (NAMLRP)

Contact address:

Address type: mailing address

Address:

P.O. Box 1875

City: Window Rock

State or province: AZ

Postal code: 86515

Country: USA

Contact voice telephone: 928-871-6982

Contact facsimile telephone: 928-871-7190

Data set credit:

This dataset was created under funding from the U.S. Army Corps of Engineers (USACE) Western Region Restoration of Abandoned Mine Site (RAMS) Program, Contract No. DACW09-02-D-0020 Task 0002, and Navajo Nation Contract No. C23518.

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:

Source S02190401 and S03090436 for Coppermine were used to verify that the problem

areas with sites contained the appropriate mines sites and project areas and were named accurately.

Logical consistency report:

These Problem Areas with Sites are administrative and intended to only contain the mine sites and project areas appropriate for each problem area. Source S02190401 and S03090436 (Coppermine Problem Area only) were used to verify that the problem areas with sites contained the appropriate features.

Completeness report:

This problem areas dataset identifies only those problem areas within the Navajo Nation. The problem areas encompass all the non-coal abandoned mine sites contained within reclamation project polygons within the Navajo Nation.

Positional accuracy:

Horizontal positional accuracy:

Horizontal positional accuracy report:

These boundaries were manually digitized to contain the assigned mine sites and project areas. These boundaries are otherwise arbitrary. They are appropriate for a 1:24,000 scale and smaller.

Lineage:

Process step:

Process description:

The polygon for each problem area, as defined by the listing of mine sites and project areas in S02190401, were manually heads-up digitized to contain the appropriate mine sites and project areas. S02190401 also provided the only attribute, the name of the Problem Area. The Coppermine Problem Area was not contained within this listing. The map source S03090436 was used to identify the mine sites and project areas that delineated the Coppermine Problem Area.

Process software and version: ArcMap 8.3

Process date: June 2004

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

Contact voice telephone: 702-795-8254

Contact facsimile telephone: 702-795-2056

Process step:

Process description:

Dataset copied.

Source used citation abbreviation:

S:\NAUM_DB\AUMs\Problem_Areas_d83

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Spatial Data Organization Information:

*Direct spatial reference method: Vector

Point and vector object information:

SDTS terms description:

- *Name: NN_AUM_Problem_Areas
- *SDTS point and vector object type: G-polygon
- *Point and vector object count: 20

ESRI terms description:

- *Name: NN_AUM_Problem_Areas
- *ESRI feature type: Simple
- *ESRI feature geometry: Polygon
- *ESRI topology: FALSE
- *ESRI feature count: 20
- *Spatial index: FALSE
- *Linear referencing: FALSE

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Spatial Reference Information:

Horizontal coordinate system definition:

Coordinate system name:

- *Geographic coordinate system name: GCS_North_American_1983

Geographic:

- Latitude resolution: 0.000001
- Longitude resolution: 0.000001
- *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

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Entity and Attribute Information:

Detailed description:

- *Name: NN_AUM_Problem_Areas

Entity type:

- *Entity type label: NN_AUM_Problem_Areas

***Entity type type:** Feature Class

***Entity type count:** 20

Entity type definition:

Problem Areas

Entity type definition source:

NAMLRP

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:** Name

***Attribute alias:** Name

***Attribute type:** String

***Attribute width:** 50

Overview description:

Dataset overview:

There are 19 polygons that comprise the problem areas and sites of the Navajo Nation. There are 17 polygons for 12 problem areas. There are 2 polygons for 2 sites.

Entity and attribute overview:

There is only one thematic attribute called "Name". It identifies the name of the problem area or site for each polygon.

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Distribution Information:

Distributor:

Contact information:

Contact organization primary:

Contact organization: Navajo Abandoned Mine Lands Reclamation Program (NAMLRP)

Contact address:

Address type: mailing address

Address:

P.O. Box 1875

City: Window Rock

State or province: AZ

Postal code: 86515

Country: USA

Contact voice telephone: 928-871-6982

Contact facsimile telephone: 928-871-7190

Resource description: Downloadable Data

Distribution liability:

Although these data have been processed successfully on a computer system for NAMLRP, no warranty expressed or implied is made by NAMLRP 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 NAMLRP or its contractors in the use of these data.

Standard order process:

Digital form:

Digital transfer information:

***Transfer size:** 0.014

***Dataset size:** 0.014

Custom order process:

Contact the NAMLRP 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.

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Metadata Reference Information:

***Metadata date:** 20070720

***Language of metadata:** en

Metadata contact:

Contact information:

Contact organization primary:

Contact organization: Navajo Abandoned Mine Lands Reclamation Program (NAMLRP)

Contact address:

Address type: mailing address

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P.O. Box 1875

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

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

***Metadata time convention:** local time

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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