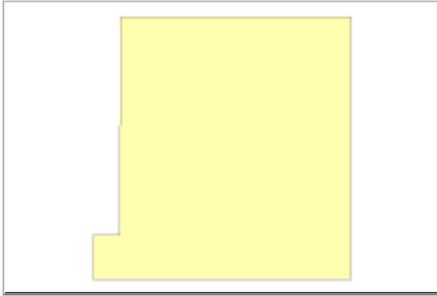


Exploration Lease for I-149-IND-5705



Data format: Shapefile

File or table name: I-149-IND-5705_Explore_Lease

Coordinate system: Geographic

Theme keywords: I-149-IND-5705, Lease, Exploration Lease, East Reservation Lease of VCA

Abstract: This single polygon documents the extent of the approximately 104 square mile exploration mining lease of I-149-IND-5705. This exploration lease was advertised by the Office of Indian Affairs on May 29, 1942 with a metes and bounds description. The Vanadium Corporation of America (VCA) won this lease, effective July 23, 1942. After a period of exploration, on September 2, 1943, this exploration lease was reduced to a 960 acre operating lease. The 12 plots of the operating lease, I-149-IND-5705, became known as the East Reservation Lease of VCA. This is the only known exploration lease in the Red Valley Chapter with a documented boundary.

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: William L. Chenoweth

Title:

Exploration Lease for I-149-IND-5705

***File or table name:** I-149-IND-5705_Explore_Lease

Publication date: 1993

Geospatial data presentation form: document

Publication information:**Publication place:** Socorro, NM**Publisher:** New Mexico Bureau of Mines and Mineral Resources**Other citation details:**

Chenoweth, William L., 1993. "The Geology, Leasing and Production History of the King Tutt Point Uranium-Vanadium Mines, San Juan County, New Mexico." New Mexico Bureau of Mines and Mineral Resources Open File Report No. 394, April 1993. (Skey=S03240301)

***Online linkage:** \\Terra_dc\Navajo\NAUM_NN_Summary\DB\AUM\I-149-IND-5705_Explore_Lease.shp

Description:**Abstract:**

This single polygon documents the extent of the approximately 104 square mile exploration mining lease of I-149-IND-5705. This exploration lease was advertised by the Office of Indian Affairs on May 29, 1942 with a metes and bounds description. The Vanadium Corporation of America (VCA) won this lease, effective July 23, 1942. After a period of exploration, on September 2, 1943, this exploration lease was reduced to a 960 acre operating lease. The 12 plots of the operating lease, I-149-IND-5705, became known as the East Reservation Lease of VCA. This is the only known exploration lease in the Red Valley Chapter with a documented boundary.

Purpose:

This polygon shapefile documents the large area that was subject to exploration or prospecting activities for uranium-vanadium ores within the Red Valley Chapter.

***Language of dataset:** en

Time period of content:**Time period information:****Single date/time:****Calendar date:** 1993**Currentness reference:**

publication date

Status:**Progress:** Complete**Maintenance and update frequency:** None planned**Spatial domain:****Bounding coordinates:*****West bounding coordinate:** -109.109006***East bounding coordinate:** -108.936942***North bounding coordinate:** 36.878266***South bounding coordinate:** 36.704165**Local bounding coordinates:*****Left bounding coordinate:** -109.109006***Right bounding coordinate:** -108.936942***Top bounding coordinate:** 36.878266***Bottom bounding coordinate:** 36.704165**Keywords:**

Theme:

Theme keywords: I-149-IND-5705, Lease, Exploration Lease, East Reservation Lease of VCA

Theme keyword thesaurus: None

Place:

Place keywords: Red Valley Chapter, Navajo Nation, Arizona, New Mexico, USA, United States

Place keyword thesaurus: None

Stratum:

Stratum keywords: ground surface

Stratum keyword thesaurus: None

Temporal:

Temporal keywords: May 29, 1942, July 23, 1942

Temporal keyword thesaurus: None

Access constraints: None

Use constraints:

This is the only known exploration lease in the Red Valley Chapter with a documented boundary.

Use of these 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

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:

There are no thematic attributes

Logical consistency report:

The checks performed were that the metes and bound description resulted in a nearly closed polygon, and that the subsequent 12 plots of the East Reservation Lease were encompassed by this exploration lease.

Completeness report:

This is the only known exploration lease in the Red Valley Chapter with a documented boundary.

Positional accuracy:

Horizontal positional accuracy:

Horizontal positional accuracy report:

The metes and bound description used a precision of one half mile and for angles only used the words, east, west, north, and south. No projection or datum was documented. Placement of the polygon was determined on the intersection of the four corners states.

Lineage:

Source information:

Source citation:

Citation information:

Originators: William L. Chenoweth

Title:

The Geology, Leasing and Production History of the King Tutt Point Uranium-Vanadium Mines, San Juan County, New Mexico

Publication date: 1993

Geospatial data presentation form: document

Publication information:

Publication place: Socorro, NM

Publisher: New Mexico Bureau of Mines and Mineral Resources

Other citation details:

Chenoweth, William L., 1993. "The Geology, Leasing and Production History of the King Tutt Point Uranium-Vanadium Mines, San Juan County, New Mexico." New Mexico Bureau of Mines and Mineral Resources Open File Report No. 394, April 1993. (skey=S03240301)

Type of source media: document

Source citation abbreviation:

King Tutt Point Uranium-Vanadium Mines Report

Source contribution:

This report provided the metes and bounds description for the location and extent

of the exploration lease boundary. This report also provided the chronology used in the abstract of this metadata.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1993

Source currentness reference:

publication date

Process step:

Process description:

The metes and bounds boundary was automated in a heads up session of ArcMap 8.2

Process software and version: ESRI ArcMap 8.2

Process date: 2003

Source used citation abbreviation:

King Tutt Point Uranium-Vanadium Mines Report

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

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Spatial Data Organization Information:

***Direct spatial reference method:** Vector

Point and vector object information:

SDTS terms description:

***Name:** I-149-IND-5705_Explore_Lease

***SDTS point and vector object type:** G-polygon

***Point and vector object count:** 1

ESRI terms description:

***Name:** I-149-IND-5705_Explore_Lease

***ESRI feature type:** Simple

***ESRI feature geometry:** Polygon

- ***ESRI topology:** FALSE
- ***ESRI feature count:** 1
- ***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:** 0.000000
- ***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

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Entity and Attribute Information:

Detailed description:

- ***Name:** I-149-IND-5705_Explore_Lease

Entity type:

- ***Entity type label:** I-149-IND-5705_Explore_Lease
- ***Entity type type:** Feature Class
- ***Entity type count:** 1

Entity type definition:

Exploration Lease I-149-IND-5705

Entity type definition source:

TerraSpectra Geomatics

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:** Id

***Attribute alias:** Id

Attribute definition:

Unique ID Number

Attribute definition source:

TerraSpectra Goematics

***Attribute type:** Number

***Attribute width:** 6

Attribute domain values:**Enumerated domain:**

Enumerated domain value: 1

Overview description:**Dataset overview:**

This polygon shape file contains one polygon that defines the one exploration lease.

Entity and attribute overview:

There are no thematic attributes.

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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:** 0.000

***Dataset size:** 0.000

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, Project Manager

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

- ***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>

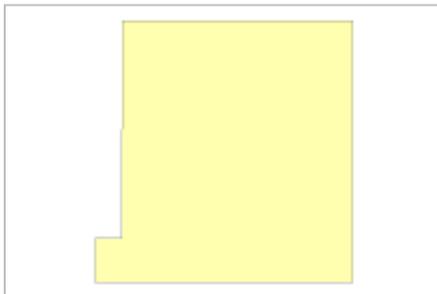
***Profile name:** ESRI Metadata Profile

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Binary Enclosures:

Thumbnail:

Enclosure type: Picture



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