

Navajo Abandoned Uranium Mine Site Screen Report

This form is for use at the site of abandoned uranium mines (AUM) located on Navajo Nation lands. Applicable sites include all mine and mine features that have or have not undergone reclamation by the Navajo Abandoned Mine Lands Reclamation Program, including features, adits and pits. Applicable sites also include all AUM sites listed in the USEPA CERCLIS database, all sites listed in the 2008 AUM GIS Report issued by USACOE and USEPA, all AUM sites on allotment lands associated with the Navajo Nation, and any and all AUM sites lands not listed in any database located on Navajo lands. Reconnaissance of any sites located on lands adjacent to Navajo lands but that are or may be impacting Navajo lands will need to be coordinated with the authorities appropriate to those lands.

The purpose of the form is to ascertain the status and location of the identified AUM site, to record all immediate site information associated with the mine site and to document the recommendation and/or decision on what additional steps, if any, are needed at the site.

Desidero Group Uranium Mines

Navajo AUM Eastern Region

Prepared by:

Weston Solutions, Inc.

Contract: W91238-06-F-0083

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Part I Site Identification, Location and Status

Site Names and ID numbers as applicable

Mine ID: 1011, 1012, 1035

Map ID: E91 (1011)
E92 (1035)
E97 (1012)

CERCLIS: NND 986 669 174

NAMLRP: NOT ASSIGNED

New Mexico Mining and Mineral Division ID: NM0037

New Mexico Bureau of Geology and Mineral Resources: NMMK-0221,-0338

Local name / Aliases: Hanosh, Indian Allotment, Section 26

Chapter and local area: Baca/Haystack Chapter **Lat/Long:** 35.3330 N / -107.8584 W

Nearby road and highway: Haystack Road (BIA 23), Interstate 40

Local Post Office: Prewitt, NM

Land Status: check one or more and provide ownership and contact information below

- Tribal Trust Land**
- Tribal Fee Land**
- Allotment**
- Fee land**
- Public lands**
- Private**
- Bureau of Land Mgmt**
- State**

Ownership and contact information:

The Section 26 mine site property is classified as Indian Allotment land.

Part II Site Observations

Observed Structures: list number of and describe human habitation status of structures at the following distances from mine:

0 to 200 feet:

200 feet to 0.25 mile:

Observed Public or commercial structure: list and describe all schools, clinics, Chapter Houses, places of business and any other structure used by members of the community at the following distances:

0 to 200 feet: None

200 feet to 0.25 mile: None

Levels measured around the perimeter(s) of the identified structure(s):

-

Observed Drinking water sources: list number and status of wells and surface water sources used for human consumption at the following distances from mine:

0 to 0.25 miles: None

.25 miles to 4 miles: None

Known Site History: include information from interviews with Chapter officials and residents.

Note information on mine ownership, period of operation, and type of mining operation.

The Desidero Group Uranium Mines site consists of 3 separate properties, with a total surface area of 61,680.76 square meters with approximately 74,201.80 square meters of underground workings. Any historical information pertaining to mining operations and historical ownership of the mine site appeared to be unclear.

Part III Type, number and reclamation status of mine features

Provide description and reclamation status of all mine sites and features at site. Include all waste piles, adits, pits and other features, and indicate whether they are open, closed, covered, capped, buried or unreclaimed. Indicate approximate size, shape and extent, including description of any reclamation caps. Note condition of all reclamation caps.

Reclamation status of the mine site is currently unknown. Local residents stated that several open pits had been filled in the Section 23 mine site, directly north of the site, and the resident of the Section 23 onsite house claimed that the house was built on excavated cover material. No adits or other mine features were observed during the site visit.

Part IV Summary of radiological readings

Background Locations

#1 12,920 cpm

#2 11,401 cpm

#3 9,904 cpm

Mine site: Desidero Group Uranium Mines

- See Figures 1 and 2

Nearby Structure Perimeter – None

Describe any other radiological measurements:

A total of 1,195 gamma radiation measurements were collected from mine sites, ranging from 7,937 cpm to 37,450 cpm. The measurements are represented in Figures 1 and 2.

Part V Site sketch of all mine features and readings, including locations of all structures, sources of drinking water and any other important features and radiological readings.

Presented in Figures 1 and 2

Part VI Response Action Summary

Site Name(s): Desidero Group Uranium Mines **Chapter:** Baca/Haystack

Decision Criteria

Is there an unreclaimed waste pile at the site? No

At what distance from the waste pile is the nearest residential structure located? N/A

At what distances from the waste pile are there domestic or public drinking water sources?
N/A

Is there a reclamation cap or sealed adit in place at the site? No

Is the cap/seal functionally intact? N/A

Is the cap/seal sufficiently degraded to create a concern about releases? N/A

At what distance from the cap/seal is the nearest domestic structure located?
N/A

At what distance from the cap/seal is the nearest domestic drinking water source? N/A

Summary of emergency response factors

None

Summary hazard ranking system factors

None

Summary of reclamation factors

No known reclamation

Part VII Photos



Photo 1. Western site area of Desidero Group mine site, towards the west



Photo 2. Western site area of Desidero Group mine site, towards the east



Photo 3. Former open-pit area of Desidero Group mine site, directly adjacent to the western site area of Section 26 mine site, towards the north



Photo 4. Eastern site area of Desidero Group mine site, towards the east



Photo 5. Eastern site area of Desidero Group mine site, towards the south



Photo 7. Southern site area cliff of Desidero mine site, towards the south

Part VIII Contacts Reports and Information

Name

Title or official role (if any)

Telephone number

Information provided

Name Ms George Padilla

Title or official role (if any) Regional Environmental Scientist, BIA, Navajo Nation

Telephone number (505) 863-8434

Address PO Box 1060, Gallup, NM 87305

Name _____

Title or official role (if any) _____

Telephone number _____

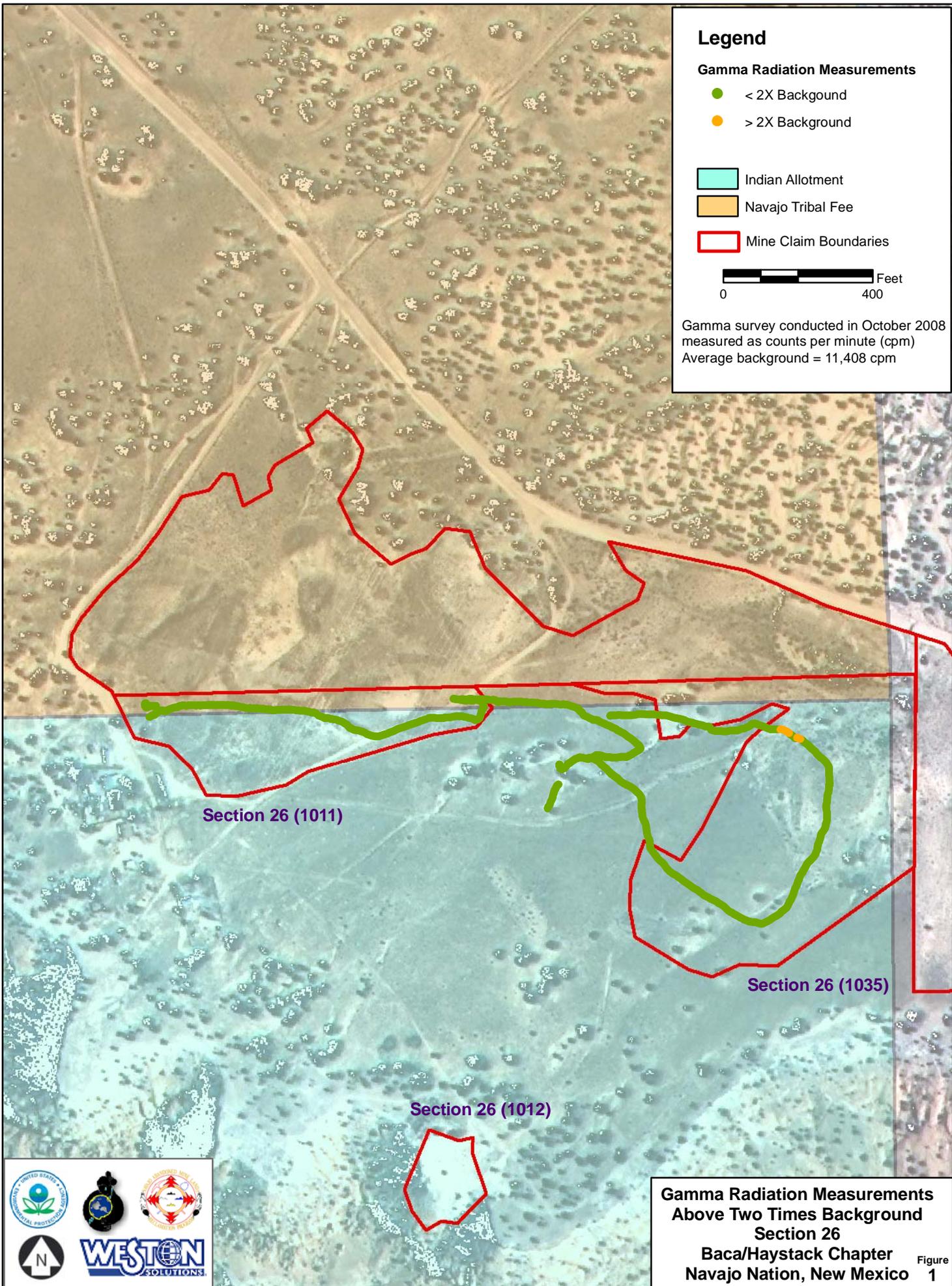
Information provided _____

Name _____

Title or official role (if any) _____

Telephone number _____

Information provided _____



Legend

Gamma Radiation Measurements

- < 2X Background
- > 2X Background

Indian Allotment

Navajo Tribal Fee

Mine Claim Boundaries

0 400 Feet

Gamma survey conducted in October 2008
 measured as counts per minute (cpm)
 Average background = 11,408 cpm

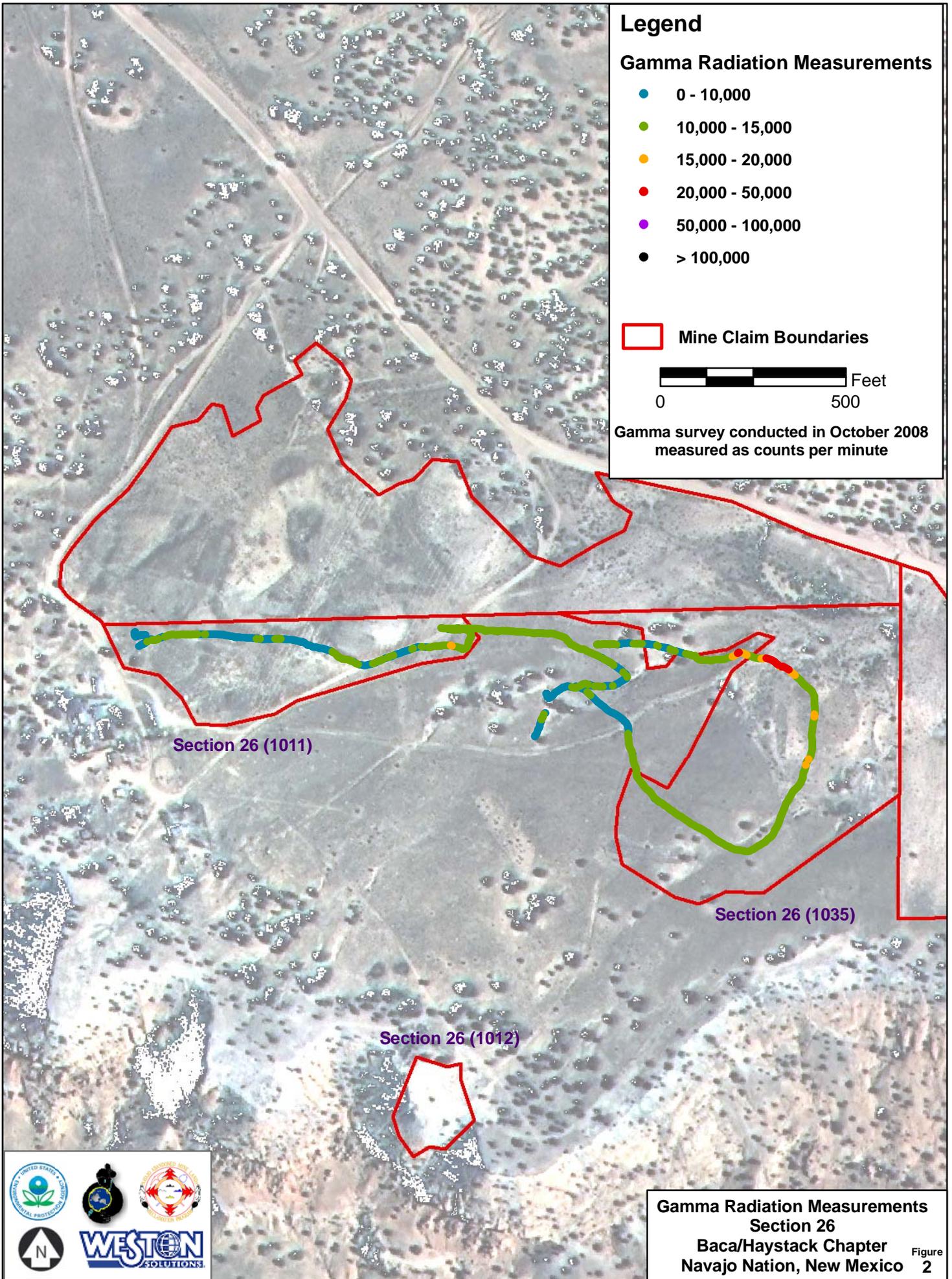
Section 26 (1011)

Section 26 (1035)

Section 26 (1012)

**Gamma Radiation Measurements
 Above Two Times Background
 Section 26
 Baca/Haystack Chapter
 Navajo Nation, New Mexico** Figure 1





Legend

Gamma Radiation Measurements

- 0 - 10,000
- 10,000 - 15,000
- 15,000 - 20,000
- 20,000 - 50,000
- 50,000 - 100,000
- > 100,000

□ Mine Claim Boundaries

0 500 Feet

Gamma survey conducted in October 2008
measured as counts per minute

Section 26 (1011)

Section 26 (1035)

Section 26 (1012)

Gamma Radiation Measurements
Section 26
Baca/Haystack Chapter
Navajo Nation, New Mexico Figure 2

