

# 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.*

## **Section 18 SEQ AUM Site**

### **Navajo AUM Eastern Region**

**Prepared by:**

**Weston Solutions, Inc.**

**Contract: W91238-06-F-0083**

**12767.063.496.1111**

**May 2009**

**Part I Site Identification, Location and Status**

**Site Names and ID numbers as applicable**

**Mine ID:** 1027

**Map ID:** E85

**CERCLIS:** NNN 000 908 619

**NAMLRP:** NOT ASSIGNED

**New Mexico Mining and Mineral Division ID:** NM0099

**New Mexico Bureau of Geology and Mineral Resources:** NMMK-0195,0196

**Local name / Aliases:** Williams

**Chapter and local area:** Baca/Haystack

**Lat/Long:** 35.3490593607 N / -107.933630422 W

**Nearby road and highway:** Haystack Rd, 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:**

No ownership was identified. The mine site property is classified as Indian Allotment land.



### **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. No waste pile, pits, adits or other mine features were observed during the site visit.

### **Part IV      Summary of radiological readings**

#### **Background Locations**

#1 9,658 cpm

**Mine site:** Section 18 SEQ

- See Figures 1 and 2

**Nearby Structure Perimeter** – None

#### **Describe any other radiological measurements:**

A total of 253 gamma radiation measurements were collected from mine sites, ranging from 6,469 cpm to 8,775 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):** Section 18 SEQ **Chapter:** Baca/Haystack

**Decision Criteria**

**Is there an unreclaimed waste pile at the site?** None

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

**At what distances from the waste pile are there potential 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**

5 houses approximately 0.2 miles west of site. Gamma radiation levels were less than 2 time background levels.

**Summary of reclamation factors**

No known reclamation

**Part VII      Photos**



Photo 1. Section 18 SEQ mine site, towards the southwest

**Part VIII      Contacts Reports and Information**

Name Stanley Edison

Title or official role (if any) Navajo EPA Superfund Program

Address PO Box 2946, Window Rock, AZ 86515

Information provided General Background and Contact/Access Information

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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

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Name \_\_\_\_\_

Title or official role (if any) \_\_\_\_\_

Telephone number \_\_\_\_\_

Information provided \_\_\_\_\_

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Name \_\_\_\_\_

Title or official role (if any) \_\_\_\_\_

Telephone number \_\_\_\_\_

Information provided \_\_\_\_\_

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**Legend**

**Gamma Radiation Measurements**

- < 2X Background
- > 2X Background
- Indian Allotment
- Private
- Mine Claim Boundaries

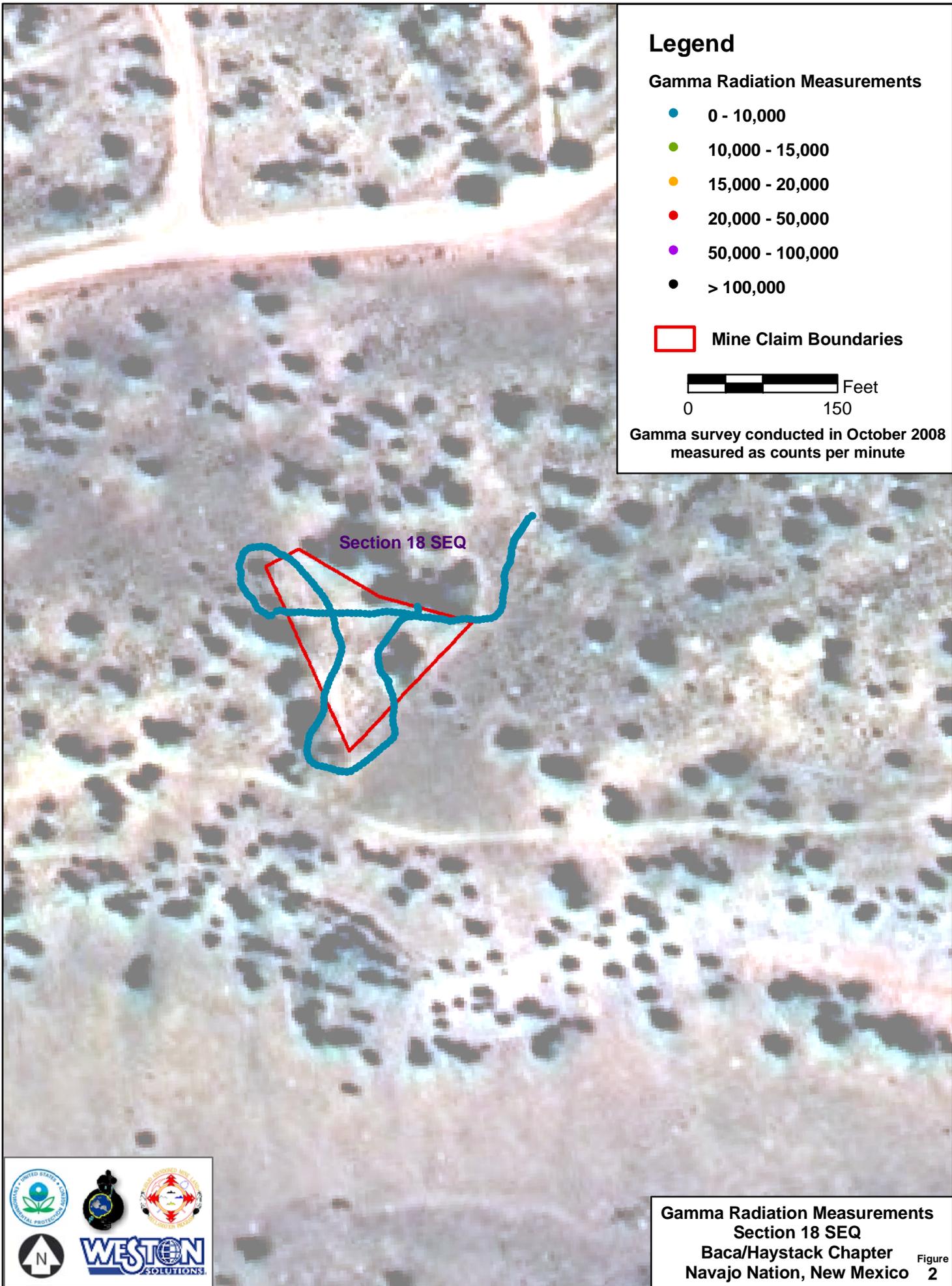


Gamma survey conducted in October 2008  
 measured as counts per minute (cpm)  
 Average background = 9,658 cpm

Section 18 SEQ



**Gamma Radiation Measurements  
 Above Two Times Background  
 Section 18 SEQ  
 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

Feet  
0 150

Gamma survey conducted in October 2008  
measured as counts per minute

Section 18 SEQ

**Gamma Radiation Measurements**  
**Section 18 SEQ**  
**Baca/Haystack Chapter**  
**Navajo Nation, New Mexico** Figure 2

