

NATIONAL PARK SERVICE ABANDONED MINED LANDS (AML)
FIELD INVENTORY DATA SHEET

Geologic Resources Division – (303) 969-2099

Feature Form - _____

NPS-ID (if known): [PARK ACRONYM]-[MineSiteName]-[FeatureType]-## XXXX-Name-YY-##

Park unit _____ Region _____ Inspected by (Source) _____ Date _____

A. Feature ID and Status

Park ID (if different from NPS_ID) _____ Site Name _____

Feature Type (check **one** – **Note:** Please use separate Feature Form for each feature at a site.)

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> Adit (AD) | <input type="checkbox"/> Vent Raise (VR) | <input type="checkbox"/> Topsoil Stockpile (TS) | <input type="checkbox"/> Water Impoundment (WI) |
| <input type="checkbox"/> Shaft (SH) | <input type="checkbox"/> Prospect (PR) | <input type="checkbox"/> Building (BD) | <input type="checkbox"/> Hazmat Cache (HC) |
| <input type="checkbox"/> Incline (IN) | <input type="checkbox"/> Surface Mine (SM) | <input type="checkbox"/> Structure (ST) | <input type="checkbox"/> Explosives Cache (EC) |
| <input type="checkbox"/> Tunnel (TU) | <input type="checkbox"/> Highwall (HW) | <input type="checkbox"/> Equipment (EQ) | <input type="checkbox"/> Other (OT) _____ |
| <input type="checkbox"/> Open Stope (OS) | <input type="checkbox"/> Waste Rock Pile (WR) | <input type="checkbox"/> Road/Access (RD) | |
| <input type="checkbox"/> Glory Hole (GH) | <input type="checkbox"/> Tailings Pile (TP) | <input type="checkbox"/> Well (WE) | |

Feature Number ____ (**Note:** In assigning Servicewide Identification Code (NPS_ID), the database automatically numbers each feature at a site in the order it was input, e.g., DEVA-Skidoo-OS-01, NERI-Kaymore-AD-03. Make sure handwritten number on this form agrees with database.)

Is action required for this feature other than monitoring? Y N U

Is this feature on the "high risk" list as identified by the Director's 10/02/08 memorandum? Y N U

Source of data _____

Feature Notes:

B. Feature Access

Method of access: Paved Road__ Improved Dirt Road__ Four wheel drive road__ Hike__
Boat__ Helicopter__

Distance from drivable road (miles, tenths) _____

Distance from established path (miles, tenths) _____

Where is feature location published? Book__ Brochure__ Internet__ Map__ Not published__
Unknown__

Evidence of visitation: None__ Moderate__ High__ Underground Access__

Is this feature in a wilderness area? Y N U

Access Notes:

C. Feature Geographic Description

USGS Quad Name _____

Latitude NAD83 (decimal degrees to 6 places, if possible) _____ (AML DB Standard)

Longitude NAD83 (decimal degrees to 6 places, if possible) _____ (AML DB Standard)

Elevation (ft) _____

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Location Accuracy: Differential GPS__ Uncorrected GPS__ General Site Coordinates__

Topo Symbol__ Imagery__ X on map__ 1/4 Section__ Section__

Year of location reading _____

Slope Aspect: N__ NE__ E__ SE__ S__ SW__ W__ NW__ Vertical__

Within park boundary? Y N U

Other coordinate systems: use *only* if desired *in addition to* Lat/Long NAD83 decimal degrees)

UTM Northing _____ UTM Easting _____ UTM Zone _____

Principal Meridian _____ ; Township (N or S) _____ ; Range (E or W) _____ ;

Section _____ ; 1/4 Section: NE__ SE__ SW__ NW__

D. Feature Dimensions

Feature dimension X (ft) _____ (Shaft width 1 / Pit width 1 / Adit width / Trench width)

Feature dimension Y (ft) _____ (Shaft width 2 / Pit width 2 / Adit height / Trench length)

Depth of feature (ft) _____ (Shaft depth / Pit depth / Adit length / Trench depth)

Area of disturbance around feature (square feet) _____

Length of disturbed area or road (ft) _____

Width of disturbed area or road (ft) _____

E. Feature Biological Resources

Are there significant biological resource values associated with this specific feature? Y N U

Are Threatened and Endangered species present? Y N U

Are other species of concern present? Y N U

Were bats or evidence of bats observed? Y N U

Biological Resources Notes:

F. Feature Hazards

Does this feature have hazards in need of mitigation? Y N U

Is there debris at this feature? Y N U

Is there a rockfall hazard, especially at the entrance? Y N U

Is the feature flooded or is there evidence of flooding? Y N U

Are there misfired or abandoned explosives? Y N U

Is bad air present or has it been documented previously? Y N U

Are there areas of subsidence or collapse? Y N U

Is there evidence of an underground mine fire? (coal) Y N U

Are hazardous substances (other than explosives) present? Y N U

Hazard Notes:

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G. Feature Mitigation Required

Temporary safing method required: _____

Proposed mitigation technique:

- | | | |
|-----------------------------------|--------------------------------------|--|
| <input type="checkbox"/> Backfill | <input type="checkbox"/> Fence | <input type="checkbox"/> PUF |
| <input type="checkbox"/> Batgate | <input type="checkbox"/> Gate | <input type="checkbox"/> Structure Removal |
| <input type="checkbox"/> Blasting | <input type="checkbox"/> Grate | <input type="checkbox"/> Structure Stabilization |
| <input type="checkbox"/> Bulkhead | <input type="checkbox"/> Sign | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Cablenet | <input type="checkbox"/> Reclamation | <input type="checkbox"/> No Action |

Estimated cost of proposed mitigation (\$) _____

Mitigation cost estimate year _____

PMIS Number _____ FMSS Asset ID _____

Required mitigation notes:

H. Feature Mitigation Completed

Is the site naturally reclaiming such that no work is required? Y N U

Temporary safing method used: Sign___ Fence___ Fence and Sign___ Administrative Closure___
Other_____

Date mitigated (MM/DD/YYYY) _____

Mitigation technique used:

- | | | |
|-----------------------------------|--------------------------------------|--|
| <input type="checkbox"/> Backfill | <input type="checkbox"/> Fence | <input type="checkbox"/> PUF |
| <input type="checkbox"/> Batgate | <input type="checkbox"/> Gate | <input type="checkbox"/> Structure Removal |
| <input type="checkbox"/> Blasting | <input type="checkbox"/> Grate | <input type="checkbox"/> Structure Stabilization |
| <input type="checkbox"/> Bulkhead | <input type="checkbox"/> Sign | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Cablenet | <input type="checkbox"/> Reclamation | <input type="checkbox"/> No Action |

Source of funding: NRPP___ Recovery Act___ Fee Program___ GRD___ State___ Park Base___ Region___
OSM___ Other_____

Cost of project (\$) _____

Reclaimed by whom? Contractor___ NPS___ State___ Other_____

Was a partner used? Federal___ State___ Industry___ Volunteers___ Other_____ None___

Completed mitigation notes:

I. Feature Sample Data and Ranking data

Was water sampled? Y N U

pH of effluent _____

Background pH _____

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Were there elevated contaminants in the water? Y N U

Were soils/tailings/waste rock sampled? Y N U

Were there elevated contaminants in the soil? Y N U

Contamination notes:

Hazard rating _____

- 0 No inherent hazards; no injury potential above normal condition
- 1 Minimal injuries could occur like tripping, bumping head, cutting oneself -Highwalls < 10' in area where such drop-offs are common naturally -Minimal injury possible
- 2 Highwalls > 10' - drop-off apparent from above -Rubble around but rock is generally stable - Moderate injury could occur
- 3 Radiation potential -Large stopes overhead - seemingly stable -Highwalls > 10' drop-off not apparent from above -Serious injury could occur
- 4 Large unstable structures -Deep pools of water from which it would be difficult to climb out - Potential fatal injury could occur -Major collapse zones
- 5 Any coal mine -Vertical shafts, winzes, or underhand collapsed stopes > 6' -Irrespirable air - Instantaneous fatal injury could occur due to mine-related hazard

Workings Extensive (> 500' or multilevel)? Y N U (If *yes*, this automatically adds 1 point to Total Ranking Score in the database, since complex mines tend to be more hazardous and better wildlife habitat.)

Access rating _____

- 0 Hard hike > 5 miles; site not easily seen
- 1 > 1 mile from road/path; Moderate hike > 5 miles or hard hike < 5 miles
- 2 Near a road/path (within 1 mile); Easy hike > 5 miles or moderate hike < 5 miles
- 3 Dirt road or path without specific destination; no car access; easy hiking access < 1 mile
- 4 Good dirt road, but mine is not specific destination
- 5 Good road with mine as the specific destination; car accessible

Resource Rating _____

- 0 No species of concern present and site has minimal cultural value
- 2 Species of concern present or site has significant cultural values
- 4 Endangered species present or site is listed on National or Local Historic Register

Impact rating _____

- 0 Minimal contaminants or pH alteration in water/soils; Minimal visual impact
- 2 Moderately elevated contaminants or pH alteration in water/soils; Moderate visual impact
- 4 Highly elevated contaminants or greatly altered pH in water/soils; High visual impact

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J. Photographs

Photo #	Date	Direction (e.g., NW, SE)	Comments

K. Field Sketch / Map:



Scale: _____

Magnetic Declination (°E/W): _____

(<http://www.ngdc.noaa.gov/geomagmodels/Declination.jsp>)

