SITE INSPECTION REPORT FOR THE ABANDONED AND INACTIVE MINES IN IDAHO ON U.S. FOREST SERVICE LANDS (REGION 4)

CHAPTER NINE: TARGHEE NATIONAL FOREST

PART B: ISLAND PARK RANGER DISTRICT

SECTION I: PROPERTIES IN THE CENTENNIAL MOUNTAINS AREA, CLARK AND FREMONT COUNTIES, IDAHO

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TABLE

Table 9Bi-1. Summary of the results of the field inspection of the mines in the Centennial Mountains area, Island Park Ranger District, Targhee National Forest. 9Bi-2

Geology

The major economic commodity in the Centennial Mountains area (Figure 1) is phosphate. These deposits occur in the Meade Peak and Retort Shale Members of the Phosphoria Formation (Witkind and others, 1981; Figure 2).

References

Jemmett, Joe Paul, 1955, Geology of some of the phosphate deposits in the Centennial Mountains of Idaho and Montana: University of Idaho M.S. thesis, 67 p.

Mitchell, Victoria E., and Earl H. Bennett, compilers, 1979, Geologic map of the Ashton Quadrangle, Idaho: Idaho Bureau of Mines and Geology Geologic Map Series, scale 1:250,000.

Witkind, I. J., L. C. Huff, James Ridenour, M. D. Conyac, and R. B. McCullough, 1981, Mineral resource potential map of the Centennial Mountains Wilderness Study Area and contiguous areas, Idaho and Montana: U.S. Geological Survey Miscellaneous Field Studies map MF-1342-B.

Table 9Bi-1. Summary of the results of the field inspection of the mines in the Centennial Mountains area, Island Park Ranger District, Targhee National Forest.

Site No.	Name	Rating	Adit discharge?	Open workings?	Hazardous materials?	Recommendations and Comments
AS 15	South Slope Taylor Creek Prospect	low	No	No	No	

Figure 9Bi-1. Location map of the Centennial Mountains area and vicinity, Clark and Fremont Counties, Idaho (U.S. Forest Service Targhee National Forest map, scale ½ inch = 1 mile).

Figure 9Bi-2. Geology of the Centennial Mountains area and vicinity, Clark and Fremont Counties, Idaho. p€q = Precambrian quartzite; €m = Cambrian Meagher Limestone; Dj = Devonian Jefferson Formation; Mm = Mississippian Madison Group; PMa = Mississippian and Pennsylvanian Amsden Formation; Pq (Pq) = Pennsylvanian Quadrant Formation; Pp = Permian Phosphoria Formation; Td = Triassic Dinwoody Formation; Tw = Triassic Woodside Sandstone; Je = Jurassic Ellis Group; Jm = Jurassic Morrison Formation; Kk = Cretaceous Kootenai Formation; pTr = pre-Tertiary sedimentary rocks; Tt = Tertiary pyroxene trachyte porphyry; Tr = Tertiary rhyolite; Tcc = Tertiary Conant Creek Tuff; QTr = Tertiary and Quaternary rhyolitic ash-flow tuff; Qyh = Pleistocene Mesa Falls Tuff; Qw = Pleistocene Warm River Basalt; Qsr = Quaternary Snake River Basalt, undifferentiated; Qal = Quaternary alluvium. Heavy lines are faults, with 'U' on the upthrown block and 'D' on the downthrown block (Mitchell and Bennett, 1979).

(circle one potential) **LOW** MEDIUM HIGH

AIM SITE DISCOVERY FORM

Name: South Slope Taylor Creek Region 4 Forest Targhee District Island Park Site No. AS 13

State ID County Fremont Lat. 44-31-38 Long. 111-40-19 Tract # _____

Prin. Meridian BOISE Sect. 19 Town. 14N Range 40E USGS 7.5 Quad Upper Red Rock Lake

Land Ownership (circle one) Private land; **FS land**; Mixture; Undetermined; if private land, does it affect FS land? If no, stop here.

CRITERIA A Answer each question with Y=yes or N=no.

N 1. Are there adits with discharge or evidence of discharge?

N 2. Are there millsites or tailings present?

3. If the mine waste rock volume is > 500 yd^3, then complete (a) through (e), otherwise go to 4.

N (a) Is the potential source located in a municipal watershed?

N (b) Is the potential source located in a floodplain?

N (c) Are there dwellings, residences, campsites, or other public use areas nearby (e.g. 200 feet)?

N (d) Are there domestic wells within a 4-mile radius of the site?

N (e) Are there surface water intakes within 15 miles downstream of the site?

N 4. Is there known damage to fisheries, T&E species, downstream aquatic communities, wetlands, or other sensitive environments?

N 5. Are there unidentified materials, chemicals, or wastes, etc., on site?

GENERAL INFORMATION

Are there open adits or shafts present? (circle one) yes **no**

Are there dangerous structures present? (circle one) yes **no**

Total area/Disturbed area (acres) _____ / < 1

Level of public interest: Low X Medium ___ High ___

FJM _____ 6/27/94 _____

Signature Date

If any answer in CRITERIA A is yes, go to CRITERIA B, otherwise circle LOW on top of page and stop.

Name South Slope Taylor Creek Region 4 Forest Targhee District Island Park Site No. AS 13

CRITERIA B Answer each question with Y=yes, or N=no.

_____ 6. Is site under regulatory or legal action?

_____ 7. Is there a mine waste stability concern?

_____ 8. Is there evidence of acidic and/or heavy metal conditions present? Check Y if any answer to questions (a) through (d) below is circled.

(a) Is surface water discolored?	Yes	No
(b) Is vegetation affected?	Yes	No
(c) Is pH value < 4?	Yes	No
(d) Others (explain)	Yes	No

_____

If question (6), (7), or (8) is answered yes, It is a HIGH POTENTIAL SITE, otherwise, it is a MEDIUM POTENTIAL SITE. Circle the appropriate entry on the top of the page and continue.

DETAIL DESCRIPTION/COMMENTS (fill in as much information as appropriate)

Stream or discharge water:

Flow rate (cfs)	date_____	value_____	date_____	value_____
pH value	date_____	value_____	date_____	value_____
Specific conductivity	date_____	value_____	date_____	value_____

NFS Watershed Code_____ Affected stream name and length_____

Total area/Disturbed area (acres)_____/ <1 Adit No._____ Shaft No._____

Impoundment area (acres)_____ Tailings (yd^3)_____ Waste Rock (yd^3)_____

Structures (buildings, headframes, mills, etc.) Explain:_____

_____

_____

Other data, comments, and explanations included on the back of this page? Yes___ No X

Picture taken? Yes X No__ If YES Film roll number 515185 Frame numbers 00

FJM _____ 6/27/94 _____

Signature Date

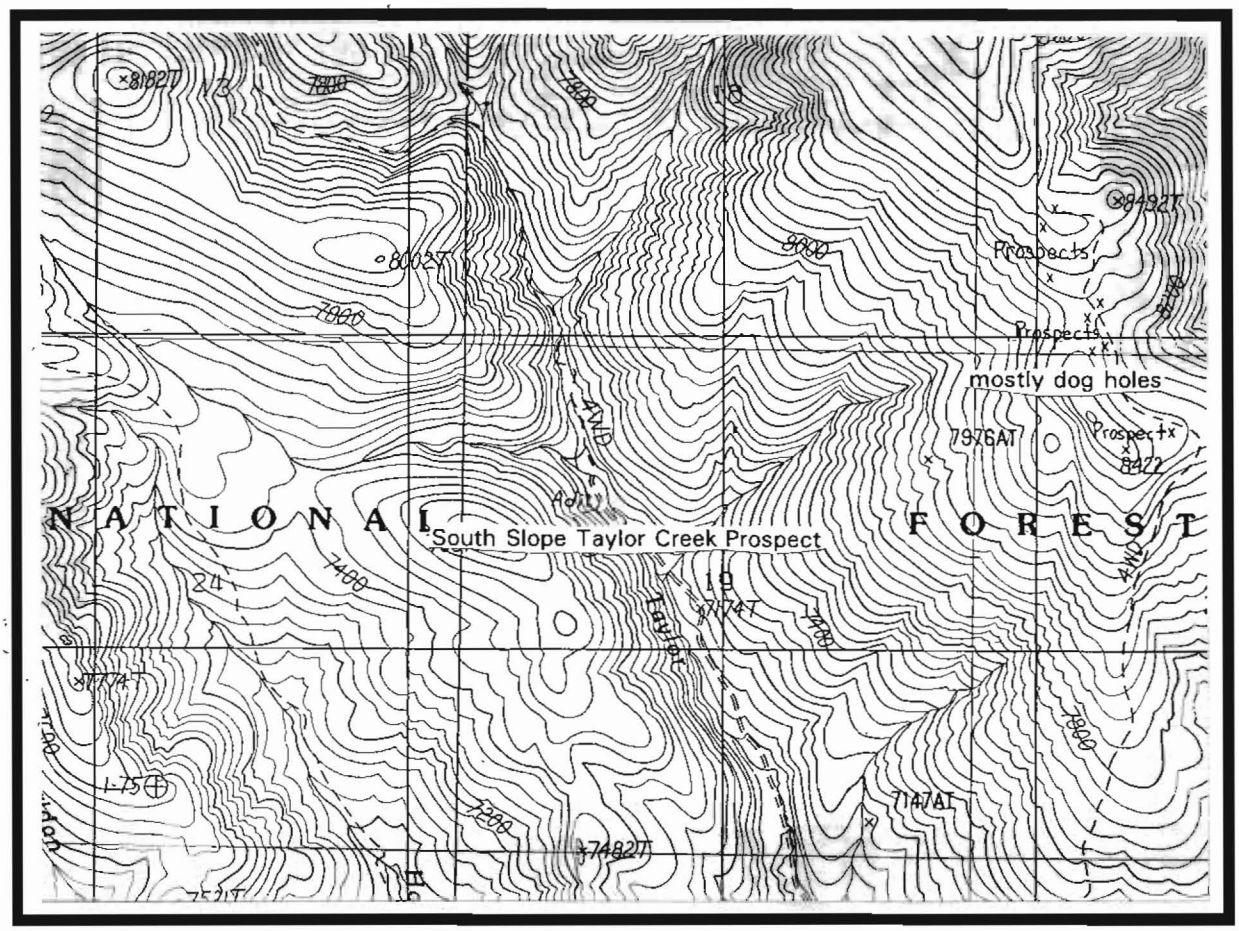

Figure 9Bi-3. Topographic map of the South Slope Taylor Creek Prospect and vicinity (U.S. Geological Survey Upper Red Rock Lake 7.5-minute topographic map).

Figure 9Bi-4. Collapsed adit at the South Slope Taylor Creek Phosphate Prospect (Roll 515185, frame #00).