

2509

FILE SL-1629

PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY E. Bowyer and A. J. Richards 2. STATE IDAHO COUNTY CUSTER
DATE(S) EXAMINED September 23, 1958

1. SAMPLES
NUMBER TYPE AND WIDTH RADIOACTIVITY
DISTRICT _____
NEAREST TOWN STANLEY
PROPERTY ALTA CLATS (McClure)

3201. Sent to Grand Junction for petrographic-mineralogic examination (9-30-58)

LOCATION
SEC. 11, 16 T. 11 N. R. 16 E.

3. TYPE OF EXAMINATION: Surface, radiometric.

Drive east on US 93 for 9.4 miles from Stanley Ranger Station and

4. DIRECTIONS TO DEPOSIT: then turn left (north) up Lower Harden Creek; go 1.5 miles and take left fork (west) and continue 1.1 miles; take fork to right for 1.1 miles to Upper Harden Creek. From there walk 1/2 mile SW on W side of Upper Harden Creek to property.

5. OWNER OR OPERATOR: Harry W. McClure
ADDRESS: Challis(?), Idaho

6. MINE OR PROPERTY HISTORY, PRODUCTION AND WORKINGS:
Workings consist of shallow prospect pits along the trend of a radioactive shear zone in granite. Plans call for the continuation of the bulldozer road to the property and then deep trenching along the structure.

7. RADIOACTIVITY:
Background count for the area is 0.02-0.03 MR/hr. Maximum count is 5.0 MR/hr and zone averages 0.15 plus along the strike of the structure for at least 250 feet. Width of the zone varies from an inch or so to 3 1/2-4 feet.

- 8. DESCRIPTION OF DEPOSIT (Discuss under: A. Topography, B. Geology, C. Mineralogy)
 - A. Topography: Deeply dissected, extremely steep slopes which are 70% forested. Maximum relief about 2,000 feet in the vicinity of the mines.
 - B. Geology: The radioactive zone is confined to a strong shear zone that strikes N. 45° E. and dips 60° SE. The country rock is a porphyritic granite that has phenocrysts of feldspar (probably microcline) 1 inch or more long. The granitic rocks are part of the Idaho Batholith. Visible minerals are autunite and uranophane with probably some black primary minerals also present. The zone as exposed is about 300 feet long and from several inches to 4 feet wide.
 - C. Mineralogy: Crystals of autunite along with uranophane along joints and fractures and disseminated in the rock of the shear zone.



11. PROOF OF OWNERSHIP RECEIVED? No
PERMISSION TO PUBLISH RECEIVED? No

13. OTHER INVESTIGATIONS:

12. MAP:

14. ADDITIONAL INFORMATION:

15. SUPPLEMENTARY RECONNAISSANCE REPORT TO FOLLOW? Yes

