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FILE _ED-77*_

PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY_D. L. Hetland and C. Van Alstine_
DATE(S) EXAMINED   June 5, 1956

I. SAMPLES

NUMBER	TYPE AND WIDTH	RADIOACTIVITY	
		eU_3O_8	(est. ThO_2)
A-0910	Vertical chip	0.103	0.41
A-0911	"	0.159	0.64
A-0912	"	0.536	2.14

2. STATE_Idaho_____COUNTY_Boundary_

DISTRICT_____

NEAREST TOWN____Port Hill____

PROPERTY_The Man Upstairs group_____

LOCATION:
SEC_12,13_ 65N R_1W_ B.M.____

3. TYPE OF EXAMINATION:

Surface, radiometric and geologic

4. DIRECTIONS TO DEPOSIT: From Port Hill, Idaho, proceed SE on Idaho No. 1 for 4.5 miles. Turn left (NE), proceed through farm yard and follow dirt road 2.4 miles to workings.

5. OWNER OR OPERATOR: Bruce Berringer
   ADDRESS: Spokane, Washington

6. MINE OR PROPERTY HISTORY, PRODUCTION AND WORKINGS:
The R/A zones are exposed in two dozer cuts and in an outcrop between the cuts.
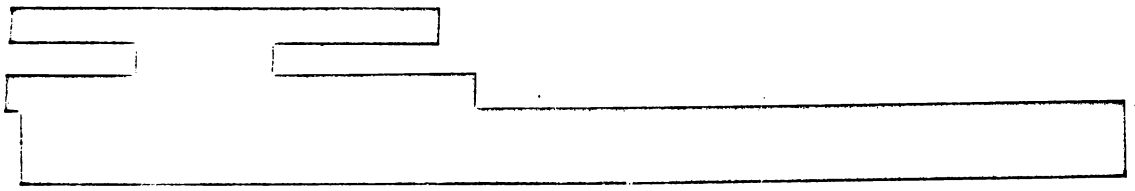
7. RADIOACTIVITY:
   La Roe scintillator (b.g. 0.015)   maximum 5.0+ MR/hr
   Precision 107B Counter (b.g. 0.04)   maximum 9.0 MR/hr
   Average on mineralized zones 1.0 - 3.0 MR/hr

8. DESCRIPTION OF DEPOSIT (Discuss under: A. Topography, B. Geology, C. Mineralogy)
A. The deposit is on the rugged west side of Hall Mountain and approximately 1500 feet above the floor of the Kootenai valley.
B. The country rock exposed in the workings is banded white-to-dark gray argillaceous quartzite (Belt Series). These quartzites are thin-bedded, strike N 5 W to N 10 E, and dip 10-35° E. The thorium minerals are concentrated in two irregular zones approximately 4' wide by 20' long in a brecciated portion of the exposure. The breccia consists of only slightly displaced flaggy and irregular pieces of quartzite recemented with silica and a basic igneous(?) material. The deposit is probably near the upper contact of a large diorite sill with the quartzite.
C. An identification of thorite was obtained on similar material from the Golden Sceptre Mine (approximately 1 mile west). Fe oxide minerals occur with the higher grade thorium.

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

12. MAP:

   None

13. OTHER INVESTIGATIONS:

   Unknown

14. ADDITIONAL INFORMATION:

   None

15. SUPPLEMENTARY RECONNAISSANCE
    REPORT TO FOLLOW?_Possibly_