SLEB
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FILE **SL-117***

PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY _P. J. Sharp & W. S. Keys_

2. STATE __Idaho__ COUNTY __Valley__

DATE(S) EXAMINED __Aug. 29, 1955__

DISTRICT __Yellowpine__

1. SAMPLES

NEAREST TOWN __Stibnite__

NUMBER	TYPE AND WIDTH	RADIOACTIVITY			
		eU_3O_8	cU_3O_8	V_2O_5	ThO_2
A-5301	Grab, 1'	0.003		0.01	<0.01
A-5302	Grab, 2'	0.11	0.075	<0.01	<0.01
	Select (taxpayer)	2.87	1.21		
	"		0.82		
	"		0.52		

PROPERTY __Howdy Doody Claim__

LOCATION:
SEC __35__ T __19N__ R __9E__

3. TYPE OF EXAMINATION: Inspection of discovery work with Scintillator, geiger counter and ultraviolet lamp and preparation of sketch map.

4. DIRECTIONS TO DEPOSIT: Drive 4.7 mi. W. of Yellowpine on dirt road; turn right toward Stibnite and continue 6.1 mi. to left turn. Follow left fork about 1.5 mi. to discovery which is 50 feet above main road on short access road.
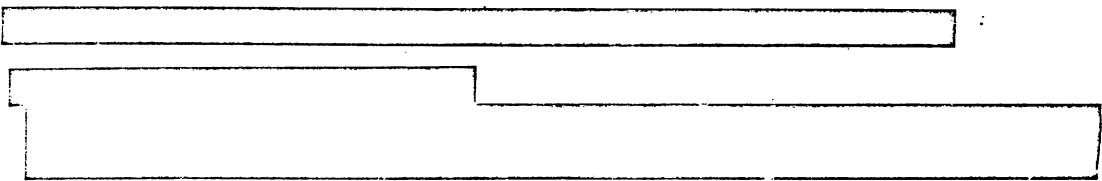
5. OWNER OR OPERATOR: Dr. Farber & others
   ADDRESS: 1408 11th Ave. South
   Nampa, Idaho

6. MINE OR PROPERTY HISTORY, PRODUCTION AND WORKINGS:
Several adits and prospect pits for antimony in the immediate area. The mines at Stibnite are the largest producers of antimony ore in the United States.

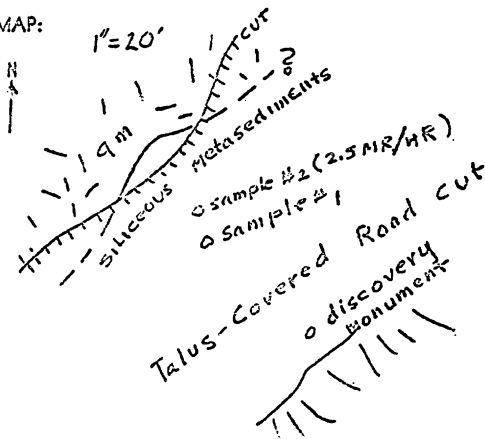7. RADIOACTIVITY: Background 0.04 MR/hr
   Maximum 2.5 MR/hr

8. DESCRIPTION OF DEPOSIT (Discuss under: A. Topography, B. Geology, C. Mineralogy)

A. Deposit occurs on east side of steep ravine less than 100 feet above small stream.

B. The ore is found in a quartzite within a few feet of the contact between the metasediment and quartz monzonite. This contact is apparently steeply dipping. Presence of a shear zone questionable due to poor exposures.

C. Small amounts of autunite were visible. No other uranium or thorium minerals were recognized. The radioactivity is apparently associated with stibnite and secondary antimony minerals. Small amounts of scheelite(?) were tentatively identified in the igneous rock.

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

12. MAP:

13. OTHER INVESTIGATIONS:
USGS Bulletins 715, 780 and 922-I deal in part with the geology of the Yellowpine district.

14. ADDITIONAL INFORMATION:

15. SUPPLEMENTARY RECONNAISSANCE REPORT TO FOLLOW? Yes, after additional work is done.