

2627

FILE MI-B-10

PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY H. W. NORMAN
DATE(S) EXAMINED February 13, 1953

2. STATE Idaho COUNTY Shoshone

DISTRICT Evolution

NEAREST TOWN Wallace, Idaho

PROPERTY Galena Mine

1. SAMPLES

NUMBER	TYPE AND WIDTH	RADIOACTIVITY	
		PERCENT	
		^{238}U	^{235}U
<u>F8403</u>	<u>Disseminated 2.3 feet</u>	<u>0.045</u>	<u>0.057</u>
<u>F8404</u>	<u>6" jasperoid vein</u>	<u>0.067</u>	<u>0.100</u>

LOCATION:
sec 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33 48 N. 4 E

3. TYPE OF EXAMINATION:
Underground radiometric and geologic
Halross Model 939 Scintillometer.

4. DIRECTIONS TO DEPOSIT:

Proceed west on U.S. #10 for 1.6 miles from Wallace Public Library. Turn south on Lake Road and proceed for 1.2 miles to mine.

5. OWNER OR OPERATOR: Volcan Silver-Lead Co. (controlled by Callahan Zinc-Lead Co., Inc.)
ADDRESS: Empire State Bldg., New York 1, New York

6. MINE OR PROPERTY HISTORY, PRODUCTION AND WORKINGS:

Closed from 1931-1946. Acquired by present ownership in 1946. At that time shaft was down only to the 1000 level. Only the 3000 level is being worked and the other levels are inaccessible for the most part. The work at present is in development only and production is very low and intermittent.

7. RADIOACTIVITY:

Background on 3000 level (only operating level) averaged about 30 counts per second. Background for 2400, 1600, 800, 600 levels ranged between 30 - 40 counts per second. Only significant counts were the two sampled locations on 3000 level. (See attached map).

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

- A. Shaft is in Lake Gulch, approximately 2 miles west of Wallace. Topography is rough and wooded.
- B. Radioactive material occurs as silicified jasperoid veins and as fillings in minor fractures. Galena occurs as fissure fillings along with considerable siderite and quartz. Country rock is St. Regis, Revett and Wallace members of the Belt Series quartzites.
- C. Primarily galena, siderite, and quartz. Minor amounts of pyrite, sulfo-salts in general, tetrahedrite and sphalerite.



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

12. MAP:
Attached

13. OTHER INVESTIGATIONS:
Millard L. Boyner, A.E.C. geologist, visited this property in the summer of 1952.

14. ADDITIONAL INFORMATION:
Development will continue on the 3000 level for the present (Exploration is for base metal only). No investigation of radioactive occurrences planned by company.

15. SUPPLEMENTARY RECONNAISSANCE REPORT TO FOLLOW? Yes



26320

FILE: NT-B-10*

SUPPLEMENT TO PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY: D. L. Hatland and J. L. Barlow
DATE(S) OF THIS EXAMINATION: _____

SUPPLEMENT NO. Two
DATE OF THIS REPORT: March 9, 1956
DATE OF PREVIOUS REPORT: January 18, 1954

1. SAMPLE DATA

NUMBER	ASSAY (% U ₃ O ₈)		OTHER ELEMENTS CHEMICAL
	RADIOMETRIC	CHEMICAL	
A-4337			

2. STATE Idaho COUNTY Shoshone

DISTRICT Evolution

NEAREST TOWN Wallace, Idaho

PROPERTY Galena

LOCATION:
SEC 20, 28, 29 T 48N R 4E
30, 32, 33

3. OWNER OR OPERATOR: Vulcan Silver-Lead Co.
ADDRESS: Empire State Bldg.
New York 1, New York

4. ADDITIONAL INFORMATION ON MINERALOGY, RADIOACTIVITY, GEOLOGY, MINING, ETC.

Since the last investigation of the Galena Mine by AEC geologists (Supplementary Report #1) continued sub-surface exploration has resulted in the development of the 1600, 2400, and 3400 levels. All accessible workings on the new levels were checked for radioactivity.

The only anomaly detected during this investigation occurs in the main crosscut of the 2400 level, 75' northwest of the intersection with the Silver Vein. The radioactivity is confined to a narrow, uraninite-bearing vein of jasperoid quartzite exposed in the S. W. wall and across the back of the crosscut. The vein narrows and finally pinches out in the back near the N. E. wall.



7. TO BE FOLLOWED BY:

ADDITIONAL SUPPLEMENTARY REPORT _____; MEMORANDUM REPORT _____; BOUND REPORT _____

8. THIS IS FINAL REPORT: _____

FILE: NI-B-10

SUPPLEMENT TO PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY: H. W. Norman
DATE(S) OF THIS EXAMINATION: 1/18/54

SUPPLEMENT NO. One
DATE OF THIS REPORT: 1/18/54
DATE OF PREVIOUS REPORT: 1/13/53

1. SAMPLE DATA

NUMBER	ASSAY (%U ₃ O ₈)		OTHER ELEMENTS CHEMICAL
	RADIOMETRIC	CHEMICAL	
101002	.43	.424	
101003	.59	.606	

2. STATE Idaho COUNTY Shoshone

DISTRICT Evolution

NEAREST TOWN Wallace, Idaho

PROPERTY Galena Mine

LOCATION:
SEC. 20, 28, T. 48 N R. 4 E
29, 30, 32, 33

3. OWNER OR OPERATOR: Vulcan Silver-Lead Co.
ADDRESS: Empire State Building
New York, New York

4. ADDITIONAL INFORMATION ON MINERALOGY, RADIOACTIVITY, GEOLOGY, MINING, ETC.

The original uraniferous occurrence was on the 3000 level. Since the time of the original report the 2800 level has been driven in addition to further development and exploration on the 3000 level.

Two occurrences were noted on the 2800 level (see attached map) and subsequently sampled. A new zone of higher than normal radioactivity was noted on the 3000 level but was not deemed worthy of sampling.

As the map indicates, there is obviously a structural control of the deposit, either bedding or faulting along bedding planes (Galena fault).

Highest radioactivity appears to emanate from uraninite associated with pyrite. Silicified jasperoid quartzite is invariably an associate, as in other deposits of the district.

[REDACTED]

[REDACTED]

7. TO BE FOLLOWED BY:

ADDITIONAL SUPPLEMENTARY REPORT Yes, MEMORANDUM REPORT Yes, SOUND REPORT No

8. THIS IS FINAL REPORT: No

[REDACTED]