

3627

FILE HI-3-24

PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY H. W. Norman  
DATE(S) EXAMINED January 27, 1953

2. STATE Idaho COUNTY Shoshone

DISTRICT Butler

1. SAMPLES  
NUMBER TYPE AND WIDTH RADIOACTIVITY

NEAREST TOWN Mullan, Idaho

PROPERTY Atlas Mine

None

LOCATION:

SEC. 1, 2, T. 47 N R. 5 E  
5, 6 47 N 6 E

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

4. DIRECTIONS TO DEPOSIT:  
Proceed east from Mullan on U. S. #10 for approximately one mile. Turn south at the Last Chance Tavern for approximately 1/2 mile to the Atlas Tunnel portal (Turnoff is marked).

5. OWNER OR OPERATOR: Hecla Mining Company (operator)  
ADDRESS: P. O. Box 320, Wallace, Idaho

6. MINE OR PROPERTY HISTORY, PRODUCTION AND WORKINGS:  
Worked intermittently for many years, then abandoned and flooded. Present project of shaft sinking started recently under new ownership. Shaft is now more than 1800 feet below the top station. Several miles of workings still open. No production of any sort at present.

7. RADIOACTIVITY: Negative  
Count in main tunnel ranged from 30-70 counts per second with an average of 45.  
Count in shaft ranged from 20 counts per second at top to 30/second at 1800 level.  
In the old workings the count ranged from 30-50/second in crosscuts and 10-25 in drifts.

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

- A. The mine lies in a rugged, wooded area of the Coeur d'Alene Mountains.
- B. The present development project is based on the hopes that a wide, strong siderite-ankerite vein exposed in the upper levels may contain argentiferous tetrahedrite at greater depth.
- C. Of the previous production, galena comprised the chief ore mineral. A lesser amount of sphalerite was present. Siderite and ankerite are very abundant, along with smaller amounts of quartz, calcite, pyrite and barite.



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

12. MAP:

None

13. OTHER INVESTIGATIONS:  
Tunnel previously examined by A.E.C.  
See memorandum dated 12/14/49.

14. ADDITIONAL INFORMATION:  
Shaft sinking is being continued.

15. SUPPLEMENTARY RECONNAISSANCE  
REPORT IS FILED IN



2627c

FILE: NI-B-14

SUPPLEMENT TO PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY: H. W. Norman  
DATE(S) OF THIS EXAMINATION: 1/20/54

SUPPLEMENT NO. One  
DATE OF THIS REPORT: 1/20/54  
DATE OF PREVIOUS REPORT: 1/27/53

1. SAMPLE DATA

NUMBER	ASSAY (U <sub>2</sub> O <sub>8</sub> )		OTHER ELEMENTS CHEMICAL
	RADIOMETRIC	CHEMICAL	
None			

2. STATE Idaho COUNTY Shoshone  
DISTRICT Hunter  
NEAREST TOWN Mullan, Idaho  
PROPERTY Atlas Mine

LOCATION:  
sec. 1, 2, 7 T. 47 N R. 5 E  
5, 6 47 N 6 E

3. OWNER OR OPERATOR: Hecla Mining Co. (operator)  
ADDRESS: Wallace, Idaho

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

It was deemed worthwhile to conduct a final investigation of this property as the Atlas project is in imminent danger of being terminated. At the present time the final phase of the current exploration program is being conducted in the form of diamond drilling. When the drilling is completed the mine will probably be abandoned and may become inaccessible within a short time.

No anomalous radioactivity was detected in the workings and examination of available diamond-drill core was equally unrewarding.



7. TO BE FOLLOWED BY:  
ADDITIONAL SUPPLEMENTARY REPORT No; MEMORANDUM REPORT No; SOUND REPORT No

8. THIS IS FINAL REPORT: Yes