

PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY E. W. ROSS
DATE(S) EXAMINED January 26, 1953

2. STATE Idaho COUNTY Shoshone

DISTRICT Evolution

1. SAMPLES
NUMBER TYPE AND WIDTH RADIOACTIVITY

NEAREST TOWN Osborn, Idaho

PROPERTY Silver Summit Mine

None

LOCATION:
sec. 13 T. 19 N R. 3 E
23, 24

3. TYPE OF EXAMINATION:
Underground radiometric and geologic.
Halross Model 959 Scintillometer.
Precision Radiation Instrument Inc.
Model #107 Geiger counter.

4. DIRECTIONS TO DEPOSIT:

Turn south from U.S. #20 at the village of Polaris. The mine and adjoining mill are plainly visible on hillside, lying about 1/2 mile south of the highway.

5. OWNER OR OPERATOR: Polaris Mining Co.
ADDRESS: Wallace, Idaho

6. MINE OR PROPERTY HISTORY, PRODUCTION AND WORKINGS:

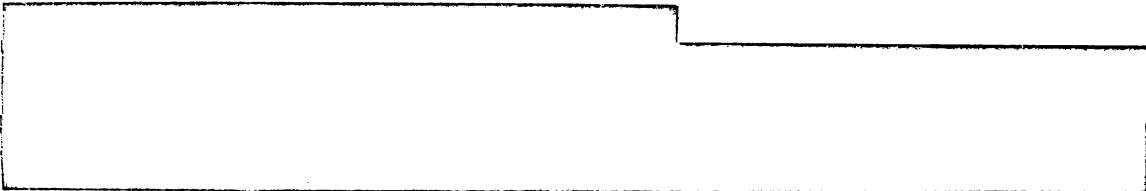
Work was commenced under the present management about 1945.
Production averages about 150 tons per day.
The workings consist of the tunnel, 3000, 3200 and 3400 levels.

7. RADIOACTIVITY:

Negative. In the tunnel the background was 30 counts per second, with a minimum of 20 and a maximum of 40. On the 3000 and 3200 levels the background was 20 counts per second, with a minimum of 15 and a maximum of 25. On the 3400 level the background was 30 counts per second, with a minimum of 20 and a maximum of 40 counts per second.

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

- A. The mine lies in a rough, wooded area of the Coeur d'Alene Mountains.
- B. The ore deposit occurs as small tetrahedrite pods and stringers in a siderite fissure deposit.
- C. Argentiferous tetrahedrite is the ore mineral, occurring invariably in a siderite gangue. Lesser amounts of quartz, arsenopyrite, pyrite, pyrrhotite and erythrite are not uncommon.



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

12. MAP:

None

13. OTHER INVESTIGATIONS:

Tunnel, 3000 and 3200 levels investigated with Geiger counter by A. E. G. in 1949. See memorandum dated December 24, 1949 from E.E. Thurlow to files.

14. ADDITIONAL INFORMATION:

Reserves in this mine are estimated at less than one year. However, exploration work into other properties will probably be accomplished from the present workings.

15. SUPPLEMENTARY RECONNAISSANCE

REPORT TO FOLLOW? No

