

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

2589

D-473

TRACE ELEMENTS PRELIMINARY RECONNAISSANCE REPORT

USGS-PRII NO.

DATE: November 5, 1952

EXAMINED BY: Sharp - Cavender

STATE: Idaho

DATE EXAMINED: September 6, 1952

COUNTY: Lemhi

DISTRICT: Eureka

1. NAME OF PROPERTY: Queen of the Hills mine & mill N1/2 SEC 14 T. 22 N. R. 21 E.
2. DIRECTIONS TO PROPERTY: Turn west at Carmen bridge over Salmon River, north of city of Salmon. Property is near head of Derian (Dryer) Creek. 3/4 mi. below Birch prospect.
3. OWNER OR LESSEE: Starlight Mining Co.,
ADDRESS: Seattle, Washington
4. PUBLISHED REFERENCES: Umbleby, J.B., 1913, Geology and ore deposits of Lemhi County, Idaho: U. S. Geol. Survey Bull. 528, p. 158.
5. MINE WORKINGS: Three adits; in excess of 9000' of underground of workings.
6. TYPE OF EXAMINATION: Radiometric reconnaissance.
7. RADIOACTIVE DEPOSIT: TYPE AND AGE: Quartz veins in Cretaceous granite.
WALL ROCKS: Granite, medium- to coarse-grained.
ORE MINERALS, PRIMARY: Gold, pyrite, chalcopyrite, galena, radioactive element (Th).
ORE MINERALS, SECONDARY: Malachite, limonite.
GANGUE MINERALS: Quartz.
ORE-GANGUE RELATIONSHIP: Quartz veins cutting granite.
ATTITUDES: N. 12° - 20°, nearly vertical. SHAPE: Narrow veins.
LENGTH (STRIKE OR OTHER): WIDTH: 6" to 2 ft. THICKNESS:
8. COUNTER TYPE: Thyrae
BACKGROUND READING: .02-.05 mr/hr. - range. AVERAGE READING FOR DEPOSIT: vein .15 mr/hr.
.035 mr/hr. - average.
9. SAMPLE INFORMATION:
- | SAMPLE NO. | LOT NO. | TYPE AND MATERIAL SAMPLED | EU OR US00 | CHEM. ASSAY (PERCENT) | LOCATION |
|------------|---------|---------------------------|------------|-----------------------|----------|
| QHM-#1 | | Mill tails | .015% eU | .009 U | Mill. |

10. UNPUBLISHED REFERENCES:

[Redacted]

[Redacted]

14. COOPY OF OWNERSHIP RECEIVED:

15. SUPPLEMENTAL REPORT TO FOLLOW?

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