

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

8587

TRACE ELEMENTS PRELIMINARY RECONNAISSANCE REPORT

WOOD-PHE NO. D491
DATE November 5, 1952
STATE Idaho
COUNTY Lemhi
DISTRICT _____

EXAMINED BY Sharp - Olson
DATE EXAMINED July 12, 1952

1. NAME OF PROPERTY: Pope Shanon mine sec. 9 T. 20 N. R. 22 E.

2. DIRECTIONS TO PROPERTY: South of Salmon, Idaho, 8 (?) miles, north end of Lemhi Mtns.

3. OWNER OR LESSEE: Unknown.
ADDRESS _____

4. PUBLISHED REFERENCES: Ross, C. P., 1925, The copper deposits near Salmon, Idaho: U. S. Geol. Survey Bull. 774, pp. 34-37 (with map).

5. MINE WORKING: 5 open adits in line up slope.

6. TYPE OF EXAMINATION: Radiometric.

7. RADIOACTIVE DEPOSIT: TYPE AND AGE
WALL ROCKS: Quartzite, and mica argil. quartzite.

ONE MINERAL, PRIMARY: Chalcopyrite, chalcocite, delafossite (?).

ONE MINERAL, SECONDARY: Copper carbonates.

COMMON MINERALS: Quartz, iron oxides.

ONE-COMMON RELATIONSHIP: Quartz veins cutting pre-Cambrian quartz of Belt series.

ATTITUDES _____ GRADE _____
LENGTH (FOOT) OR OTHER: _____ WIDTH _____ THICKNESS _____

8. COUNTER TYPE: Nuclear Inst. beta-gamma counter.
BACKGROUND READING: Model 2610-A. AVERAGE READING FOR DEPOSIT: 4-5 (.02 scale).

9. SAMPLE INFORMATION:

SAMPLE NO.	LOT NO.	TYPE AND MATERIAL SAMPLED	SEU OR U235 OR C/M	CHEM. ANALY. PERCENT	LOCATION
PS-1		Grab	< .003% eU	-	Sample taken across narrow vein.

10. UNPUBLISHED REFERENCES: None.

11. FIELD OF CURRENT INTEREST

Merritt	(1)	Thurlow	(2)	McKelvey	(1)
Mineral Deposits	(9)	Oster	(1)	Fischer	(1)
Washington		G & P	(1)	Weissenborn	(1)
TRPO	(3)	Peals	(1)	Cathcart	(1)
Hosted	(1)	Alaskan	(1)	Denson	(1)
Yards	(2)	Geophysics	(1)	Page	(1)
				King	(1)

12. SUPPLEMENTAL REPORT TO FOLLOW