

U. S. DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

2586

USGS-FRM NO. D-490

TRACE ELEMENTS PRELIMINARY RECONNAISSANCE REPORT

DATE: November 5, 1952

EXAMINED BY: Sharp- Cavender

STATE: Idaho

DATE EXAMINED: September 6, 1952

COUNTY: Latah

DISTRICT: Eureka

1. NAME OF PROPERTY: Birch Claims N 1/2 sec. 14 T. 22 N. R. 21 E.

2. DIRECTIONS TO PROPERTY: Turn left at Carmen bridge, over Salmon River, north of Salmon. Property is is near head of Dorian (Dryer) Creek 3/4 miles above Queen of the Hill mine.

3. OWNER OR LESSEE: Hank Birch  
ADDRESS: Salmon, Idaho

4. PUBLISHED REFERENCES: None.

5. MINING WORKINGS: Caved shaft 50 ft. deep, prospect pit, placer workings.

6. TYPE OF EXAMINATION: Radiometric reconnaissance.

7. RADIOACTIVE DEPOSIT: TYPE AND AGE:  
WALL ROCKS: Granite, medium to coarse-grained.

ORE MINERALS, PRIMARY: Gold, pyrites, radioactive mineral (thorite ?).

ORE MINERALS, SECONDARY:

GANGUE MINERALS: Quartz, vein oxides.

ORG-GANGUE RELATIONSHIP: Quartz veins in granite.

ATTITUDES: N. 15° E., vertical.

LENGTH (CORES OR OTHER): Probably 50 ft. or less.

SHAPE: 6" - 12"

WEIGHTS:

8. COUNTER TYPE: Tyac beta-gamma counter.  
BACKGROUND READING: .02-.05 mr/hr.-range.  
.035 mr/hr.- average.

AVERAGE READING FOR DEPOSIT:  
(vein .15 mr/hr).

9. SAMPLE INFORMATION:

SAMPLE NO.	LOT NO.	TYPE AND MATERIAL SAMPLED	SEU OR USDS	CHEM. ASSAY (PERCENT)	LOCATION
Birch #1		Grab	.019 eU	.003 U	Across quartz veins in prospect pit.

10. UNPUBLISHED REFERENCES:

[Redacted box]

[Redacted box]

[Redacted box]

11. PROOF OF OWNERSHIP RECEIVED:

12. SUPPLEMENTAL REPORTS TO FOLLOW:

DISTRIBUTION:

Merritt	(1)	Therlow	(2)	McKelvey	(1)
Mineral Deposits	(9)	Cobler	(1)	Flacher	(1)
Washington		G & P	(1)	Widemann	(1)
TRAC	(3)	Pauls	(1)	Getheart	(1)
Wood	(1)	Alaska	(1)	Dunn	(1)
Trule	(1)	Geophysical	(1)	Wye	(1)
				King	(1)

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