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U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

USGS-PRR NO. M-1614

TRACE ELEMENTS PRELIMINARY RECONNAISSANCE REPORT

DATE: June 14, 1955

EXAMINED BY: Paul L. Weis, U.S.G.S., Clair Johnson, Lessee

STATE: Idaho

DATE EXAMINED: June 3, 1955

COUNTY: Idaho

DISTRICT: Elk City

1. NAME OF PROPERTY: Unknown SEC. 2, 11, 12, 13, 24, 25 T. 29 N. R. 8 E.

2. DIRECTIONS TO PROPERTY: Placer ground is along American River for 6 miles beginning at bridge road 4 / miles NE of Elk City and extending downstream.

3. OWNER OR LESSEE: Clair Johnson
ADDRESS: Elk City, Idaho

4. PUBLISHED REFERENCES: Lorain, S. H., and Metzger, O. H., 1938, Reconnaissance, Placer Mining Districts in Idaho County, Idaho: U. S. Bur. Mines Inf. Circ. 7023. Thompson, S. A., and Ball rd, 1924, Geology and Gold Resources of North Central Idaho: Idaho Bur. Mines and Geology Bull. 7.

5. MINE WORKINGS: None

6. TYPE OF EXAMINATION: Reconnaissance for radioactivity.

7. RADIOACTIVE DEPOSIT: Yes TYPE AND AGE: Placer; Pleistocene to Recent (?).
WALL ROCKS:

ORE MINERALS, PRIMARY: Brannerite

ORE MINERALS, SECONDARY: None

GANGUE MINERALS: Quartz, etc.

ORE-GANGUE RELATIONSHIP: Brannerite occurs as crystal fragments up to one-half inch in diameter in placer gravels.
ATTITUDES:
LENGTH (STRIKE OR OTHER): About 6 miles. WIDTH: Max. 1/8 mi. SHAPE: THICKNESS: Max. 20 ft.?

8. COUNTER TYPE: PRI Model III "Scintillator"
BACKGROUND READING: PEAK READING FOR DEPO

9. SAMPLE INFORMATION:

SAMPLE NO.	LOT NO.	TYPE AND MATERIAL SAMPLED	%eU	CHEM. ASSAY (PERCENT)	LOCATION
AA(2)		Dredge apron	0.026; 0.064		Collected from material on dredge.
A(2)		Dredge riffles	0.060; 0.086		
B		Waste	<0.01		
C		Retained on jigs	4.3		
D		Jig overflow	0.0155		
E		Jig underflow	0.14		

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10. UNPUBLISHED REFERENCES: Armstrong, F. C., and Weis, P. L., (1955 ?), Radioactive placers of the Red River, Idaho County, Idaho. TEMR in preparation.

[redacted]

14. PROOF OF OWNERSHIP REQUIRED: No

15. SUPPLEMENTAL REPORT TO FOLLOW? Yes

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