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U. S. DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

TRACE ELEMENTS PRELIMINARY RECONNAISSANCE REPORT

UGGS-ERR NO. M-791

DATE: August 3, 1953

EXAMINED BY: J. C. Olson

STATE: Idaho

DATE EXAMINED: July 21, 1953

COUNTY: Lemhi

DISTRICT: Mineral Hill  
(Shoup)  
T. 25 N. R. 18 E.

- 1. NAME OF PROPERTY: Lee Buck No. 3 and No. 4 claims. sec. T. 25 N. R. 18 E.
- 2. DIRECTIONS TO PROPERTY: Drive up Squaw Creek to end of road. Continue on foot up Squaw Creek, somewhat less than a mile. Turn west up tributary about 1/2 mile. Deposits are on slope N. of this tributary.
- 3. OWNER OR LESSOR: Buck Westfall, Elmer Hagel, and Lee Ashe.  
ADDRESS: North Fork, Idaho.
- 4. PUBLISHED REFERENCES: None
- 5. LONE WORKINGS: Small prospect pit.
- 6. TYPE OF EXAMINATION: Brief inspection with Buck Westfall, claim owner.

7. RADIOACTIVE DEPOSIT: TYPE AND AGE: Monazite-bearing carbonate layers and lenses, age unknown.

WALL ROCKS: Metamorphic rocks, chiefly hornblende gneiss and schist, and dark mica schist, which occur in a pendant of at least 20-square-miles area in Idaho batholith.

ORE MINERALS, PRIMARY: Monazite, rutile(?), probable allanite, possibly thorite(?); other unidentified

ORE MINERALS, SECONDARY: dark metallic to submetallic minerals, possibly ilmenite and Nb mineral.

CARBIDE MINERALS: Carbonate, actinolite, epidote, biotite or phlogopite, chlorite, magnetite, hematite; fluorite(?), sphene.

GENEALOGICAL RELATIONSHIP: Some hand specimens are more than 50 percent monazite.

ATTITUDE: N. 60° W. strike; 45-60° S. dip.

LENGTH (STRIKE OR OTHER): Several hundred feet.

SHAPE: Several concordant tabular layers and lenses

THICKNESS: About 10 ft in a 10-ft zone (No. 4 claim). (No. 4 claim).

8. COUNTER TYPE: None used.

BACKGROUND READING:

AVERAGE READING FOR DEPOSIT:

9. SAMPLE INFORMATION	SAMPLE NO.	LOT NO.	TYPE AND MATERIAL SAMPLED	SEU	CHEM. ASSAY (PERCENT)	LOCATION
None						

Samples were taken for mineralogic study only.

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10. UNPUBLISHED REFERENCES: None

11. COPIES OF OWNERSHIP RECEIVED: NO

12. SUPPLEMENTAL REPORT TO FOLLOW: Mineralogic study.

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