

U. S. GEOLOGICAL SURVEY
PRELIMINARY RECONNAISSANCE REPORT

FILE I-25

EXAMINED BY A. F. Trites, E. W. Tooker
 DATES EXAMINED August 10, 1950

2. STATE Idaho COUNTY LemhiDISTRICT Gravel Range (Umpleby)NEAREST TOWN Forney, IdahoPROPERTY Singiser mine (Monument Cove)

LOCATION:

SEC. 25 T. 18 N. R. 17 E.

3. TYPE OF EXAMINATION:

1. SAMPLES

NUMBER	TYPE AND WIDTH	RADIOACTIVITY

4. DIRECTIONS TO DEPOSIT: 10 miles southwest of Forney, Idaho5. OWNER OR OPERATOR: H. L. Loop
ADDRESS: Spokane, Washington6. MINE OR PROPERTY HISTORY, PRODUCTION AND WORKINGS: Mine opened in early 1870's; important work began in 1896. Ore is difficult to treat; no work is being done now.7. RADIOACTIVITY: A radiometric traverse was made of available underground workings, outcrops and dumps. Readings were recorded along the walls of the workings every 20 feet; dump readings were taken at top and middle every 20 feet. No detailed geologic mapping done. No significant radioactivity in dumps and workings.

8. DESCRIPTION OF DEPOSIT (Discuss under: A. Topography, B. Geology, C. Mineralogy)

A 3- to 8-foot quartz vein in hanging wall of a 30-foot wide large shear zone; wall rock is light-gray porphyritic rhyolite, hydrothermally altered. There is limonite-stained gouge with a trace of azurite cementing breccia fragments. Ore reported to contain gold, but only pyrite was recognized.

11. PROOF OF OWNERSHIP RECEIVED?
 PERMISSION TO PUBLISH RECEIVED?

12. MAP:

13. OTHER INVESTIGATIONS:

USGS Bull. 528, 1913, p. 172-177.

USFS Salmon Nat. Forest, Idaho

Mine map and longitudinal section (see Bull

14. ADDITIONAL INFORMATION: 528)15. SUPPLEMENTARY RECONNAISSANCE
REPORT TO FOLLOW _____