

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TRACE ELEMENTS PRELIMINARY RECONNAISSANCE REPORT

USCG-PRR NO. D-684
DATE: June 5, 1953
STATE: Idaho
COUNTY: Latah
DISTRICT: Avon Mica

PREPARED BY: Frank C. Armstrong
DATE: JUNE 5, 1953

- 1. NAME OF PROPERTY: Idaho Beryllium and Mica Corp. sec. 22 41 N. R. 2 W.
(Muscovite Mine)
- 2. DIRECTIONS TO PROPERTY: 23 miles northeast of Moscow, Idaho, 10 miles from Deary. Access road from Avon ends at mine.
- 3. OWNER OR LESSOR: Idaho Beryllium and Mica Corp.
Address: Box 176, Deary, Idaho
- 4. PUBLISHED INFORMATION: Stoll, W. C., 1950 (1951), Mica and beryl pegmatites in Idaho and Montana: U.S. Geol. Survey Prof. Paper 229, pp. 36-48.
- 5. WELLS WORKED: Five levels, raises, stopes, three open pits (as of 1944)

- 6. TYPE OF EXAMINATION: Radioactive. Anderson of U. S. Bureau of Mines cut sample. Drift entering "New Pegmatite" examined.
- 7. BACKGROUND REPORT: TYPE AND AGE: Pegmatite. Late Jurassic or early Cretaceous.
WALL ROCKS: Mica-feldspar-quartz schist.

8. OTHER MINERALS FOUND: None observed.

9. OTHER MINERALS OBSERVED: Minerals of the torbernite-autunite series.

10. OTHER MINERALS: Muscovite; cleavelandite, quartz, tourmaline.

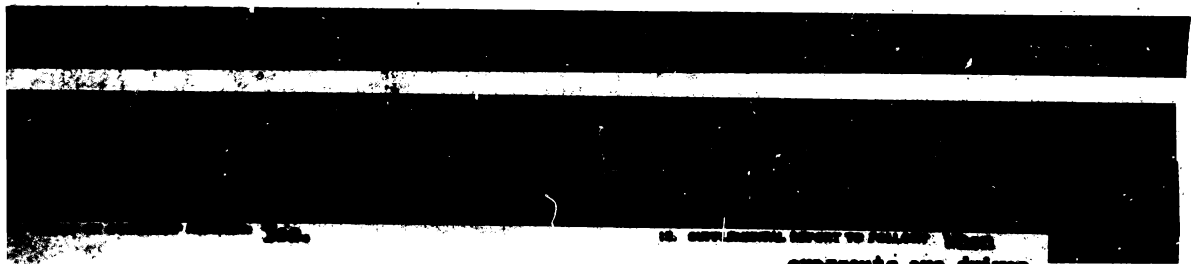
Fluorescent, radioactive minerals disseminated, or along multitudinous fractures in hanging-wall altered rock enclosing pegmatite. Altered zone as much as 10 feet thick. RA minerals in drift restricted to 2 feet (?) on inner margin of altered rock adjacent to pegmatite. Pegmatite strikes N. 14 W. dip 63° SW. Large lens. RA zone in drift: 25-30 ft. with RA zone in drift: RA zone in drift: RA zone on surface 200 ft. drift: 2 ft.

- 11. ANALYSIS DATA: Scintillation Meter Model SM-3A
Underground 2.0- on 0.05 scale
Underground 1.04 on 0.5 scale.

- 12. ANALYSIS DATA: 3-foot sample cut vertically on hanging-wall in material showing abundant fluorescence. Crosscuts about 18 in. of altered rock on margin of pegmatite. Fluorescent material not all radioactive judging from radio-metric assay.

SAMPLE NO.	LOT NO.	TYPE AND QUANTITY	VAL ON TRACE OR CRT	CORR. ASSAY PERCENT	LOCATION
		Altered rock at margin of pegmatite.	0.01		42' NE of survey station 7 in SE wall.

- 13. ANALYSIS DATA: IRMA examination by V. C. Fryklund and E. A. Magill.



14. GEOLOGICAL MAP TO FOLLOW: When crosscuts are driven.

15. LOCATION OF PROPERTY: Idaho Moscow Deposits 16. NAME OF PROPERTY: Muscovite 17. COUNTY: Latah 18. DISTRICT: Avon Mica	19. NAME OF PROPERTY: Bailey Greasy 20. NAME OF PROPERTY: Mica 21. COUNTY: Latah 22. DISTRICT: Avon Mica	23. NAME OF PROPERTY: Alaska Geophysical McElvey Fisher Wisconsin Jethro 24. COUNTY: 25. DISTRICT: Avon Mica
---	--	---