

NOTES ON THE REEF CREEK URANIUM PROSPECT
PARK COUNTY

Location

The deposit consists of 19 claims located approximately in Sec. 6, T. 56 N., R. 105 W., on the north side of the Sunlight Basin - Cooke City, Montana, road near Reef Creek. The deposit was examined on September 21, 1954, in the company of C. Dunrud.

Geology and Mineralization

The rocks in the area are pre-Cambrian granites, gneisses and schists that have been intruded by pegmatite dikes.

Anomalous radioactivity occurs in a pegmatite dike cropping out on a ridge between two small lakes. The dike trends N. 7-10° E., varies from 4-12 feet wide, and is intermittantly exposed over a distance of 450 feet. The pegmatite, which intrudes rocks that vary texturally from biotite granite to biotite schist, contains inclusions of the two rock types thus indicating that the dike may possibly be more than just one continuous body.

The maximum radioactivity recorded on the scintillometer is 0.2 MR./hr. with a background count of 0.02 MR./hr. The radioactivity occurs in small fractures that parallel the trend of the pegmatite and also in some of the small books of biotite. No uranium minerals were noted by the writer.

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