4780 0003

N. of 328

Item 2

TELEGRAPH DISTRICT

The Telegraph district is located in the northern Egan Range about ten miles south of Cherry Creek. Although the district covers the entire width of the range, most of the old mining activity was concentrated near the head of Telegraph Canyon, a major north-directed drainage located in the center of the district.

The geology of this part of the Egan Range consists of a complexly faulted sequence of Precambrian through Permian sedimentary rocks. In a few places the sediments are capped by Tertiary volcanic rocks. Even though the district is wedged between the Steptoe and Cherry Creek plutons, very few intrusive rocks are shown to outcrop in the area (Fritz, 1968).

Early mining in the district produced small quantities of tungsten and gold. A few gold prospects at the head of Telegraph were worked in 1883. Contact metamorphic deposits containing scheelite also occur in the canyon and on the east slope of the range. These deposits are in silicated Silurian-Devonian dolomites and limestones and may contain small amounts of gold and silver.

A uranium prospect, the Ruggles Leader claim, is located in section 36, T22N, R62E on the west slope of the Telegraph Canyon drainage. The prospect is developed by a single shaft in altered Tertiary andesite(?). A N20W vertical shear zone is exposed in the walls of the shaft. We observed a few old drill holes and recent staking near the prospect.

See also 83-2 for geochemical results.

83-1

J. Tingley + J. Bentz (1982) Mineral Res. of Egan Resource Area: NBMG OFR ~~82-7~~

Selected References

Boyden, E. D. (1972) Geology of the Steptoe Warm Springs pluton, White Pine County, Nevada: Univ. of Nebraska, Lincoln, MS thesis.

Fritz, W. H. (1957) Structure and stratigraphy of the Telegraph Canyon area, northern Egan Range, east-central Nevada: Univ. of Washington, MS thesis.

Fritz, W. H. (1960) Structure and stratigraphy of the northern Egan Range, White Pine County, Nevada: Univ. of Washington, PhD thesis.

Fritz, W. H. (1968) Geologic map and sections of the southern Cherry Creek and northern Egan Ranges, White Pine County, Nevada: NBM&G Map 35.

Garside, L. J. (1973) Radioactive mineral occurrences in Nevada: NBM&G Bull. 81.

Hose, R. K., Blake, M. C., and Smith, R. M. (1976) Geology and mineral resources of White Pine County, Nevada: NBM&G Bull. 85.