

taken from NBMG OFR 81-4  
(1981) See also 81-3 for  
geochemical results.

Elk Mountain

(55)

Item 1

1720 0001

The Elk Mountain district is located on the northern border of Elko County, just south of the Idaho state line, and includes the area of Elk Mountain and White Elephant Butte. The district is just west of the eastern boundry of the Humboldt National Forest.

Schraeder (1912) mentions that copper minerals were found in the district as early as 1890, but little work was ever done, and no production is recorded from the district.

Most prospects in the district are related to the contact zone surrounding a granodiorite intrusive. The intrusive forms the major portion of the southwestern slopes of White Elephant Butte, and has intruded Cambrian sediments, which extend to the northeast. The contact zone extends between White Elephant Butte and Elk Mountain.

Prospects in the district explore veins occurring along faults in granodiorite, Cambrian quartzite and limestone and tactite occurring in the contact metamorphic zone. Small tungsten occurrences have been explored north of White Elephant Butte, and a small mill was constructed in the district. Production, if any, is unknown. During the late 1960's, exploration for copper was conducted by several companies including Bunker Hill Company and Union Pacific Railroad (Minerals Division).

The Robinette molybdenum prospect has received considerable prospecting attention, but no activity was evident at the time of this examination.

Geochemical values from the district were generally low, but did confirm the presence of tungsten and molybdenum at Robinette and one other property.

#### Selected References:

Schraeder, F. C. (1912) A Reconnaissance of the Jarbidge, Contact, and Elk

Mountain Mining District, Elko County, Nevada. U.S. Geol. Survey Bull. 497.

Selected References: (continued)

Granger, A. E. et al. (1957) Geology and Mineral Resources of Elko County, Nevada. NBMG Bull. 54.

Mathais, D. E. (1959) Geology of the Northern Elk Mountains, Elko County, Nevada, unpublished M.S. thesis, Univ. of Oregon.

Smith, R. M. (1976) Mineral Resources of Elko County, Nevada.

U.S. Geol. Survey Open-file Rpt. 76-56.