

2210 0001

GOURD SPRINGS

S. of 177

Item 3

LOCATION

Gourd Springs district covers the east flank of the East Mormon Mountains in the southeastern part of Lincoln County. The major prospects are located in the southwestern portion of T11S, R69E, near Gourd Springs. Properties in the Mormon Mountains to the west are also placed in this district as there is no other district close by.

HISTORY

The only recorded production from this district was in 1929 when 60 tons of manganese ore were shipped from the Amos Hunt property (Tschanz and Pampeyan, 1970). This property could not be located and, in fact, it could be in another area. In 1941, W. R. Cogart located claims on the Bruson (Macbruson) tungsten property, but no production has been reported (Stager, in prep.). There was no activity in the district at the time of our examination (summer, 1983).

GEOLOGIC SETTING

The East Mormon Mountains are composed of a complex thrust sheet of Pennsylvanian limestone which has overridden Cambrian Prospect Mountain quartzite and Precambrian intrusive and metamorphic rocks. In the area of the Bruson prospect, Precambrian pegmatite dikes intrude Precambrian amphibolite.

ORE DEPOSITS

The only ore deposits of note within the district are the Amos Hunt manganese property and the Bruson tungsten property. The Hunt property could not be located, and its existence is questionable. The Bruson tungsten prospect explores a contact zone of tourmaline-bearing pegmatite dikes which cut amphibolite. The dikes and quartz veins associated with them contain scheelite, powellite, molybdenite and wolframite.

GEOCHEMICAL RELATIONSHIPS

Samples taken of ore from the Bruson property were high in tungsten. One sample reported anomalous molybdenum and very high gold, the other sample reported high tin and beryllium. Base metal values as well as barium were low in both samples.

SELECTED REFERENCES

Stager, H. K., in prep., Tungsten Deposits of Nevada: NBMG Bull.

Tschanz, C. M., and Pampeyan, E. H., 1970, Geology and Mineral Deposits of Lincoln County, Nevada: NBMG Bull. 73.