from NBMG OFR 83-9
See also 83-10 for geochemical results.

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MAGGIE CREEK DISTRICT

The Maggie Creek or Schroeder district is located on and around Schroeder Mountain in the Tuscarora Mountains about eleven miles northwest of Carlin. Mines and prospects are located in T34N, R51 and 52E and are found both northeast and southwest of Maggie Creek Canyon which cuts through the district. Most of the old mines as well as the new Maggie Creek Gold Quarry gold mine are located in the southwestern portion of the district, southwest of Maggie Creek Canyon. Vanderburg (1938) places the first mining activity in this district in the early 1870's, when several shipments of ore were made from the Good Hope claims. A small amount of ore was produced from the Nevada Star mine between 1906 and 1909, and the Copper King mine produced in 1917. Barite was discovered in the area about 1930, and some mining was done for barite on the Maggie Creek and Good Hope claims between 1930 and 1936 (Vanderburg, 1938). The Maggie Creek claim group also was mined for gold beginning sometime after 1925. Total production of metals from the district up through 1958 is slightly less than $250,000 (Roberts et al, 1967). In 1962 Newmont Exploration acquired the Maggie Creek area, and began exploration for disseminated gold. A large reserve of low-grade gold ore was developed as the result of this program, and the Maggie Creek deposit was being mined at a rate of 16,000 tons ore and waste per day in 1979 (Carlin Gold Mining Co. mine hand-out), and the Maggie Creek Gold Quarry deposit was active in 1982 (Papke, 1982).

The principal geologic feature of the Maggie Creek district is the roughly circular Carlin window in the Roberts Mountains thrust sheet. The window exposes carbonate rocks of Ordovician, Silurian, and Devonian age which are surrounded by thrust slices containing argillaceous, variably dolomitic limestones, siltstones, shales and sandstones of the Ordovician

Vinini Formation. The window, and its upper plate skirts, form an elongate outcrop of Paleozoic rocks which extend from Schroeder Mountain across Maggie Creek to the northeast, a distance of about 5 miles, and is mainly surrounded by Tertiary gravel deposits. Of all of the known ore deposits in the district, only the old Good Hope mine is reported to occur in carbonate rocks of the lower plate of the Roberts Mountains thrust. The Good Hope is described as silver-lead-barite replacement deposits along a steep, northwest trending fault in limestone (Roberts, et al, 1967). The other occurrences, including the new Maggie Creek Gold Quarry deposit of Newmont's, are all within upper plate rocks.

At Maggie Creek, gold mineralization is controlled by a northeast trending fracture zone but the disseminated zone itself does show stratigraphic control (Newmont Mining Co. mine Hand-out).

As of 1982, Newmont had released reserve figures of 25.1 million tons of 0.106 oz. gold and 150 million tons of 0.036 oz. gold for the Gold Quarry deposit (Bonham, 1982). Exploration activity still continues in the district and it is very likely that other gold deposits will be developed here.

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(For additional references, see Lynn district.)