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Dyer (88)

Item 12

ES-5. DYER

General location: Northwestern flank of the Silver Peak Range.

Coordinates: lat 37°45' N., long 118°00' W.

Land classification: Public domain.

Area: 5 km².

Accessibility: Approximately 6 km east of State Highway 3A, and 0.5 km east of an improved surface road that connects with State Highway 3A.

Remoteness: Approximately 55 km west of Goldfield (population 185) and approximately 32 km southwest of Coaldale (population 35).

Geologic setting: The pluton is Jurassic quartz monzonite that intrudes the Lower Cambrian Harkless Formation of metamorphosed siltstone and quartzite.

The structure in the area consists of normal and thrust faults. A normal fault, approximately 8 km southwest of the pluton, displaces the alluvium.

Hydrologic setting: The pluton is in Fish Lake Valley ground-water system and drainage basin. The nearest discharge point is 3 km west at the edge of the valley.

Water is used here for livestock, irrigation, and domestic purposes.

Aeromagnetic expression: The exposed rocks coincide with the nose of a regional northwest-trending high-amplitude positive anomaly. The source of the major anomaly is unknown but may be similar plutonic rocks at depth. The maximum areal extent of the source of the large anomaly is about 100 km².

Comment: The intrusive body occurs approximately 2 km northeast of the Nevada seismic zone and is approximately 7 km northeast of the Death Valley-Furnace Creek Fault Zone.