Younger gravel deposits of chert and quartzarenite. Crops out in southeast quadrant of quadrangle, east of Coyote Silt and sand deposits. To the north, unit also present in Toe Jam Mountain Quadrangle (Henry and Boden, 1999). Modified from Moore (2002) and Keith’s (2003) map was published as an Open-File Report and was not through the Nevada Bureau of Mines and Geology. Capable geologists commonly reviewed but not field review. Therefore, the map is an interpretation of Keith’s (2003) map, modified with additional data from the Nevada Bureau of Mines and Geology. The key to the map symbols is shown in the lower right corner. The map scale is 1:24,000.

**UPPER PLATE OF ROBERTS MOUNTAINS THRUST**

- Devonian sedimentological breccia and barite breccia unit of Slaven Chert in Shoshone Range (C.T. Quadrangle includes Devonian conodonts in limestone interbed in NW¼ sec. 11, T37N, R49E, of Vinini Formation in Roberts Mountains (see also Finney and others, 2000).
- Small rhyolite body straddling Antelope Fault. Crops out only in Willow Creek Reservoir.
- Upper plate of Roberts Mountains thrust. The closest agreement is for the Coyote thrust, one of the several discontinuous areas in the southeast quarter of the quadrangle. Strata are, in sequence, Devonian Rodeo Creek Formation, the Devonian Popovich Fault and the Early-Middle Cretaceous Renshaw Fault. The Devonian Rodeo Creek Formation is a unit of gray buff to yellow ochre-weathering quartzarenite containing prominent well-rounded crystals of sanidine that were separated from a sample selected from a 5- to 8-cm-thick layer in a 1-meter-wide lenticular unit at the top of the unit. The quartzarenite is cut by veins of black and white chert containing pyrite, quartz, and barite. The Devonian Rodeo Creek Formation crops out only in Willow Creek Reservoir. The Devonian Popovich Fault is a unit of unconsolidated, poorly sorted cobble and boulder gravel. To the north, unit also present in Toe Jam Mountain Quadrangle (Henry and Boden, 1999).
- Upper plate of Roberts Mountains thrust. The closest agreement is for the Coyote thrust, one of the several discontinuous areas in the southeast quarter of the quadrangle. Strata are, in sequence, Devonian Rodeo Creek Formation, the Devonian Popovich Fault and the Early-Middle Cretaceous Renshaw Fault. The Devonian Rodeo Creek Formation is a unit of gray buff to yellow ochre-weathering quartzarenite containing prominent well-rounded crystals of sanidine that were separated from a sample selected from a 5- to 8-cm-thick layer in a 1-meter-wide lenticular unit at the top of the unit. The quartzarenite is cut by veins of black and white chert containing pyrite, quartz, and barite. The Devonian Rodeo Creek Formation crops out only in Willow Creek Reservoir. The Devonian Popovich Fault is a unit of unconsolidated, poorly sorted cobble and boulder gravel. To the north, unit also present in Toe Jam Mountain Quadrangle (Henry and Boden, 1999).

**LOWER PLATE OF ROBERTS MOUNTAINS THRUST**

- Devonian sedimentological breccia and barite breccia unit of Slaven Chert in Shoshone Range (C.T. Quadrangle includes Devonian conodonts in limestone interbed in NW¼ sec. 11, T37N, R49E, of Vinini Formation in Roberts Mountains (see also Finney and others, 2000).
- Small rhyolite body straddling Antelope Fault. Crops out only in Willow Creek Reservoir.
- Upper plate of Roberts Mountains thrust. The closest agreement is for the Coyote thrust, one of the several discontinuous areas in the southeast quarter of the quadrangle. Strata are, in sequence, Devonian Rodeo Creek Formation, the Devonian Popovich Fault and the Early-Middle Cretaceous Renshaw Fault. The Devonian Rodeo Creek Formation is a unit of gray buff to yellow ochre-weathering quartzarenite containing prominent well-rounded crystals of sanidine that were separated from a sample selected from a 5- to 8-cm-thick layer in a 1-meter-wide lenticular unit at the top of the unit. The quartzarenite is cut by veins of black and white chert containing pyrite, quartz, and barite. The Devonian Rodeo Creek Formation crops out only in Willow Creek Reservoir. The Devonian Popovich Fault is a unit of unconsolidated, poorly sorted cobble and boulder gravel. To the north, unit also present in Toe Jam Mountain Quadrangle (Henry and Boden, 1999).

**PALEOZOIC**

- Devonian sedimentological breccia and barite breccia unit of Slaven Chert in Shoshone Range (C.T. Quadrangle includes Devonian conodonts in limestone interbed in NW¼ sec. 11, T37N, R49E, of Vinini Formation in Roberts Mountains (see also Finney and others, 2000).
- Small rhyolite body straddling Antelope Fault. Crops out only in Willow Creek Reservoir.
- Upper plate of Roberts Mountains thrust. The closest agreement is for the Coyote thrust, one of the several discontinuous areas in the southeast quarter of the quadrangle. Strata are, in sequence, Devonian Rodeo Creek Formation, the Devonian Popovich Fault and the Early-Middle Cretaceous Renshaw Fault. The Devonian Rodeo Creek Formation is a unit of gray buff to yellow ochre-weathering quartzarenite containing prominent well-rounded crystals of sanidine that were separated from a sample selected from a 5- to 8-cm-thick layer in a 1-meter-wide lenticular unit at the top of the unit. The quartzarenite is cut by veins of black and white chert containing pyrite, quartz, and barite. The Devonian Rodeo Creek Formation crops out only in Willow Creek Reservoir. The Devonian Popovich Fault is a unit of unconsolidated, poorly sorted cobble and boulder gravel. To the north, unit also present in Toe Jam Mountain Quadrangle (Henry and Boden, 1999).