The Elkhead Formation (Cambrian) is characterized by thin-bedded, sandstone and siltstone. The Brigham Group contains thin-bedded, sandstone and siltstone. The Pocatello Formation (Upper Proterozoic) is described as thickly bedded, trough cross-stratified, medium-grained to fine-grained sandstone.

The Fish Haven Dolomite (Ordovician) is laminated and locally massive. Crystals include very fine-grained plagioclase and dolomite-filled molds of bioclasts and fenestrae. The unit is only exposed near the base of the unit make the lower contact difficult to identify in the field.

The Bear Canyon Thrust is a strike-slip fault that places the Caddy Canyon Quartzite over the Camelback Mountain uplift along a footwall ramp of the Putnam thrust west of the quadrangle.

The Bonneville Flood, an outburst flood from the Bonneville Basin to the north, is mentioned. The flooding resulted in the deposition of thick layers of sediment, including sand and gravel.

The Sevier thrust belt (Corbett, 1978; Burgel and others, 1987; Kellogg, 1990, 1996; Christie-Blick et al., 1990) and the Great Basin Mountains are discussed in the context of the geological history of the area.