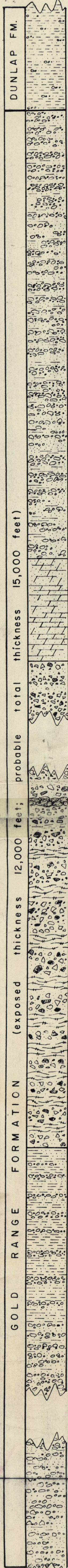


Thickness  
in feet

Top not exposed.



800 Siltstone and sandstone; red, maroon, purple; massive, poorly sorted with a few angular granules and pebbles of chert in a matrix of sandy mud. A few beds of sedimentary chert breccia.

ANGULAR UNCONFORMITY

3500 Sedimentary breccia and conglomerate; maroon and red except where altered green by hydrothermal alteration; massive to very thickly bedded; angular to well rounded pebbles and granules of chert (90%) and angular fragments of rhyolitic rocks (10%) in a poorly sorted matrix of sand and silt. A few beds of maroon and red sandstone. Current structures, graded beds, cross-laminations and scour and fill structures are common. A few calcareous beds of impure limestone and dolomite.

198

800 Sandy dolomite and dolomite; buff on weathered surface, gray on fresh surface; very thickly bedded to massive, locally thinly bedded. Subordinate but important amounts of this unit is now calc-silicate hornfels with disseminated sulfides. Pectinoid fossils are present (Weyla): Probably Early Jurassic.

Andesite breccia and flows, same unit as below.

The above section measured in the central Excelsior Mountains, 3 miles northwest of Marietta, Nevada, T. 5 N., R. 32 E.

1940 0051

3450 Andesite breccia and flows; Predominantly augite andesite tuff-breccia and pillow breccias; gray-green, massive, beds up to 30 feet thick; rounded pebbles, cobbles, blocks of andesite in tuffaceous matrix. Subordinate interbedded augite andesite and plagioclase-rich porphyritic andesite flows; green and redish brown; flows up to 30 feet thick and persistent for hundreds of feet. Heterogeneous pyroxene- and hornblende andesite tuff-breccia common in upper and lower parts of the section. Blocks in pillow breccia are round, have crude radial fractures; amygdules are concentrated near center of blocks which have chilled margin and rimmed by dark green chloritic selvage.

1900 Argillite, siltstone and sandstone; red to maroon; massive beds up to 20 feet thick; fracture cleavage; subordinate beds of maroon and red chert pebble conglomerate; well rounded clasts. Chert pebble sedimentary breccia and conglomerate form the bulk of the section near the base with subordinate beds of red siltstone and sandstone. Cross-laminations, graded beds, scour and fill structures are common.

2400 Covered section probably contains chert pebble conglomerate and sedimentary breccia as above.

2350 Chert pebble sedimentary breccia and conglomerate as above.

Base unconformable upon Excelsior Formation with angular discordance

The above section measured in the eastern Excelsior Mountains, 4 miles northwest of Marietta, T. 5 N., R. 33 E.

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