Section 7. Gold Range and Dunlap Formation

JTRg Triassic - Jurassic

Jd Jurassic

GOLD RANGE FORMATION (exposed thickness 12,000 feet; probable total thickness 15,000 feet)

DUNLAP FM.

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.
800	Sandy dolomite and dolomite; buff on weathered surface, grey 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 Marletta, Nevada, T. 5 N., R. 32 E.

1940051

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 reddish brown; flows up to 30 feet thick and persistant 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 bebble 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 Marletta, T. 5 N., R. 33 E.

198

GARFIELD HILLS

1940051

Mineral Co. NV