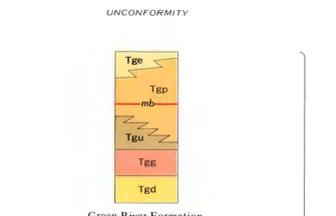
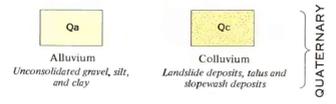


EXPLANATION



**Green River Formation**

**Tge, Evacuation Creek Member:** gray to brown dolomitic claystone, dark-brown papery oil shale, and tan-brown dolomitic siltstone and sandstone. Weathers to tan-gray rounded hills. Only the lower 200 feet are present. The lower part intertongues with the Parachute Creek Member. The contact is arbitrarily placed at the base of the lowermost tan-weathering siltstone or sandstone bed overlying gray-weathering dolomitic oil-shale and clay-shale beds that comprise the upper part of the Parachute Creek Member.

**Tgp, Parachute Creek Member:** chiefly dolomitic oil-shale deposits. Dark-brown to black dolomitic clay-shale, bedded with brown to olive-gray dolomitic clay-shale. Sparse beds of gray siltstone, algal limestone, and uncalcified ruff. Thin oil-shale beds contain rounded calcite pseudomorphs of the saline mineral, nahcolite. Weathers to chalky gray cliffs and steep slopes. Contains the Mahogany oil-shale bed (mb). The lower part intertongues with and is replaced by the unnamed unit of the Green River Formation, 200-850 feet thick.

**mb, unnamed unit:** chiefly shoreline deposits generally barren of oil-shale beds. Brown to gray-green dolomitic claystone and algal limestone. Some gray siltstone, gray fine-grained sandstone, uncalcified ruff, and tan oolitic limestone. Sparse very thin dark-brown oil-shale beds are present at some localities. Weathers to steep gray slopes interrupted by tan-brown-weathering siltstone and sandstone benches. Comprises a stratigraphic unit that is laterally equivalent to the lower part of the Parachute Creek Member. The unnamed unit was traced in outcrops for 3 miles west of the quadrangle to where it comprises the upper part of the Tgs section of the Douglas Creek Member. Thickens irregularly southwestward, 275-800 feet thick.

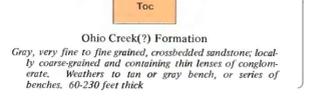
**Tgs, Garden Gulch Member:** dark-brown to black brittle flaky oil shale and thin beds of tan algal limestone, tan claystone and gray mudstone, sparse light-gray fine-grained sandstone and laminae of tan ostracodal limestone and tan oolitic limestone. Weathers dark gray. Thickens northeastward, 120-480 feet thick.

**Tgd, Douglas Creek Member:** chiefly gray claystone, gray to green mudstone, light-gray very fine grained sandstone, tan-gray limy siltstone, and thin tan to gray ostracodal limestone and oolitic limestone. Weathers to gray-brown slopes interrupted by sandstone and limestone benches. Thickens irregularly eastward, 110-260 feet thick.



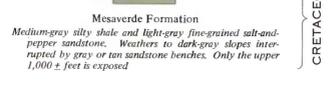
**Wasatch Formation**

Gray, green, and some red silty mudstone and gray to gray-green very fine grained crossbedded sandstone. A few thin beds of gray to gray-brown ostracodal or mollusk-bearing limestone. Weathers to dark-gray slopes interrupted by tan to gray sandstone benches. Thins irregularly southwestward, 180-500 feet thick.



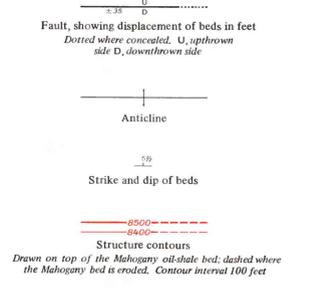
**Ohio Creek(?) Formation**

Gray, very fine to fine grained, crossbedded sandstone, locally coarse-grained and containing thin lenses of conglomerate. Weathers to tan or gray bench, or series of benches, 60-230 feet thick.

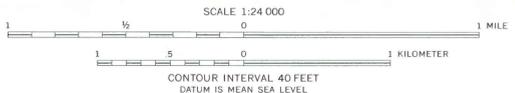


**Mesaverde Formation**

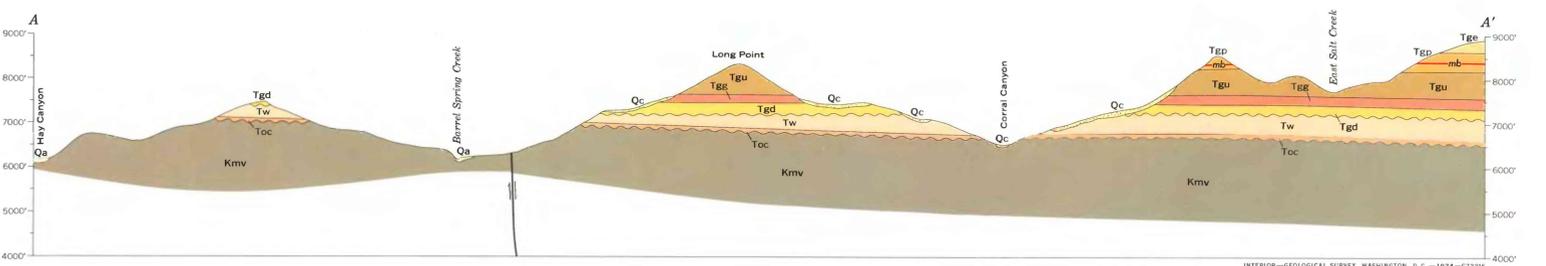
Medium-gray silty shale and light-gray fine-grained sand-papper sandstone. Weathers to dark-gray slopes interrupted by gray or tan sandstone benches. Only the upper 1,000 ± feet is exposed.



Base from U.S. Geological Survey, 1964  
10,000-foot grid based on Colorado coordinate system, central zone  
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue



Geology mapped in 1967



GEOLOGIC MAP OF THE CALF CANYON QUADRANGLE, GARFIELD COUNTY, COLORADO

By  
Henry W. Roehler  
1973