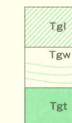


EXPLANATION



Green River Formation

Tgt, Laney Shale Member: Massive bedded to thinly laminated buff, gray, and brown marlstone, shale, and muddy sandstone; white to brown tuff and tuffaceous sandstone; low-grade to rich beds of oil shale and, in shore facies, algal deposits and oolite beds. Locally contains many lenses and beds of tuffaceous sandstone near its base. Maximum thickness in this area estimated to be about 500 feet.

Tgw, Wilkins Peak Member: Thin and regularly bedded greenish-gray, drab, to nearly white dolomitic mudstone, marlstone, and oil shale; white to brown tuff and tuffaceous sandstone and marlstone beds; contains a thick saline facies and extensive bed of iron; contains several extensive zones 15 to 50 feet thick of greenish-brown muddy sandstone. The bases of three of these greenish-brown zones are shown on the map as green lines labeled A, B, and D. Maximum thickness of the Wilkins Peak Member is about 1,250 feet but does not exceed 950 feet in the area shown.

Tgt, Tipton Shale Member: Soft brown to buff shale and organic marlstone in lower half; upper half is chippy to flaky light-bluish-gray organic marlstone with a thick ledge of moderately rich oil shale near the top. In this area the Tipton Shale Member has a rather uniform thickness of about 150 feet.



Wasatch Formation

Sandy gray mudstone containing lenses and irregular beds of muddy, buff sandstone; locally, mudstone contains red bands, and locally the sandstone is red. In this area, only about 1,780 feet of the Wasatch crops out.

Contact between formations or members
Dashed where concealed by alluvium or hill wash

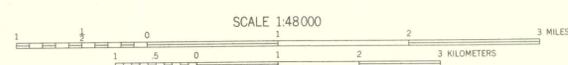
Strike and dip of beds
Determined photogrammetrically

Middle Eocene

Lower Eocene

TERTIARY

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1964—G63207
Photogeologic map and base by R. J. Hackman, U.S. Geological Survey



GEOLOGIC MAP OF THE AREA AROUND GREEN RIVER, WYOMING, SHOWING THE DISTRIBUTION OF THE MEMBERS OF THE GREEN RIVER FORMATION AND THE UNDERLYING WASATCH FORMATION