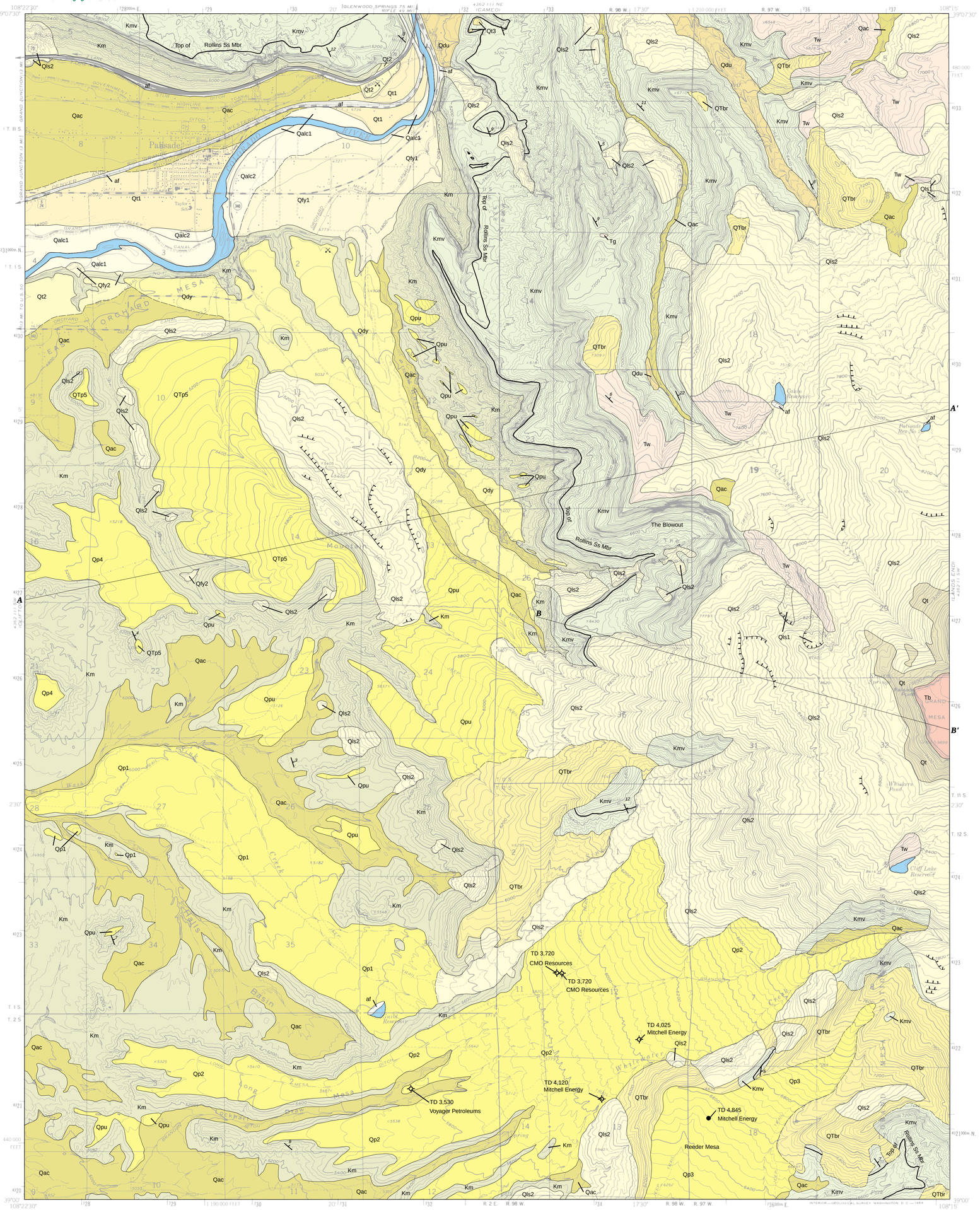
U.S DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

MISCELLANEOUS FIELD STUDIES MAP MF–2326
Version 1.0
Pamphlet accompanies map



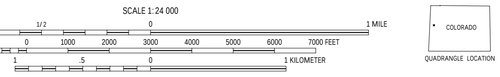
Base from U.S. Geological Survey, 1962
Lambert Conic Conformal projection, 1927 North American Datum

1962 MAGNETIC DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET

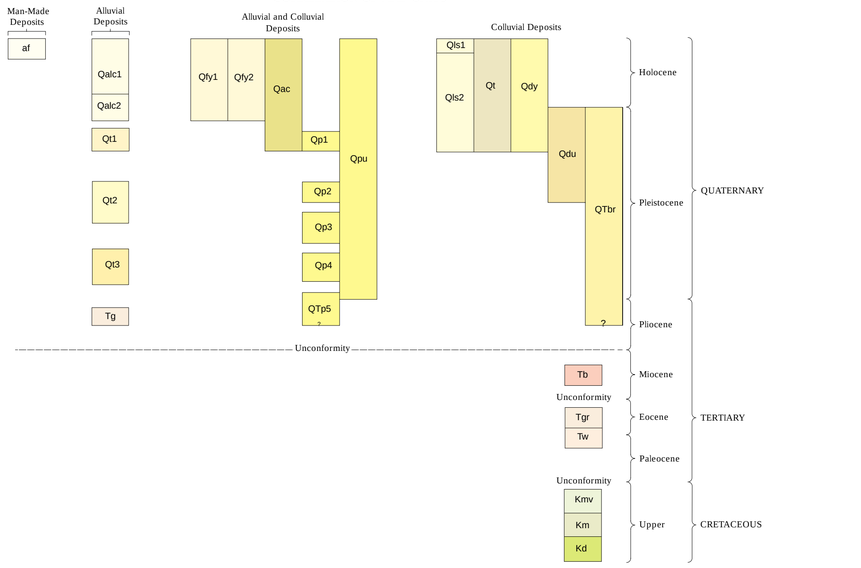
NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

Geology mapped by P.E. Carrara 1995-98.
Digital cartography by Theodore R. Brandt

CORRELATION OF MAP UNITS



LIST OF MAP UNITS

MANMADE DEPOSITS

af	Artificial fill (latest Holocene)

ALLUVIAL DEPOSITS

Qalc1	Stream channel and floodplain deposits along the Colorado River (Holocene)
Qalc2	Alluvium deposited by the Colorado River (Holocene and latest Pleistocene)
Qt1	Younger terrace alluvium (late Pleistocene)
Qt2	Older terrace alluvium (middle Pleistocene)
Qt3	Oldest terrace alluvium (early Pleistocene)
Tg	Alluvium (Pliocene?)

ALLUVIAL AND COLLUVIAL DEPOSITS

Qfy1	Fan alluvium of Watson Creek (Holocene and latest Pleistocene)
Qfy2	Fan alluvium (Holocene and latest Pleistocene)
Qac	Undivided alluvium and colluvium (Holocene and late Pleistocene)
Qpu	Undifferentiated pediment deposits (Holocene and Pleistocene)
Qp1	Pediment deposit of the Halls Basin area (late? Pleistocene)
Qp2	Pediment deposit of Long Mesa (middle Pleistocene)
Qp3	Pediment deposit of Reeder Mesa (middle to early? Pleistocene)
Qp4	Pediment deposit north of Sink Creek (early? Pleistocene)
QTp5	Pediment deposit of Horse Mountain (early Pleistocene or Pliocene)

COLLUVIAL DEPOSITS

Qls1	Recent landslide deposits (latest Holocene)
Qls2	Landslide deposits (Holocene and late Pleistocene)
Qt	Talus (Holocene and late Pleistocene)
Qdy	Debris-flow deposits of Watson Creek (Holocene and late Pleistocene)
Qdu	Debris-flow deposits of Rapid Creek (late and middle? Pleistocene)
QTbr	Basalt rubble (Pleistocene and Pliocene?)

BEDROCK UNITS

Tb	Basalt of Grand Mesa (Miocene)
Tgr	Green River Formation (Eocene)—Shown only in cross section
Tw	Wasatch Formation (Eocene and Paleocene)
Kmv	Mesaverde Group (undifferentiated) (Upper Cretaceous)
Km	Mancos Shale (Upper Cretaceous)
Kd	Dakota Sandstone (Upper Cretaceous)—Shown only in cross section

Contact—Dashed where approximately located

Strike and dip

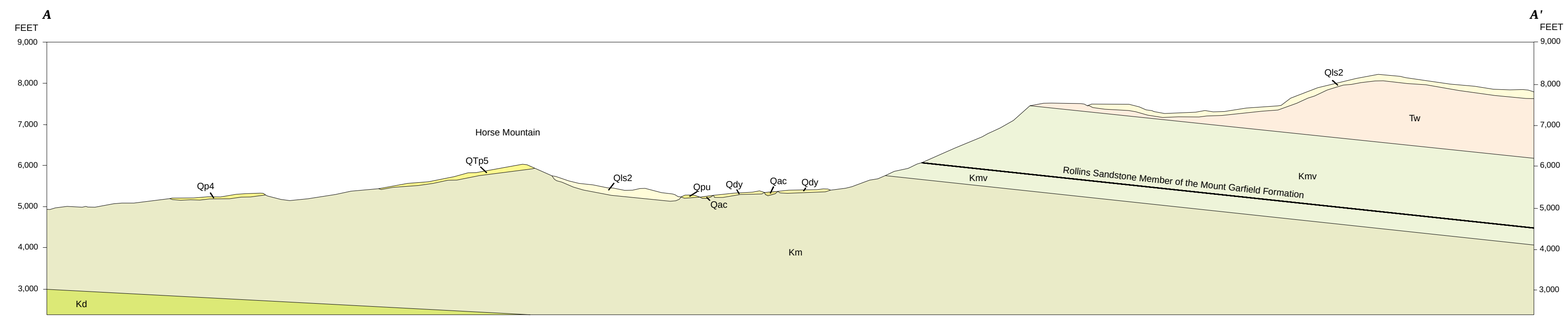
Top of Rollins Sandstone Member of Mount Garfield Formation

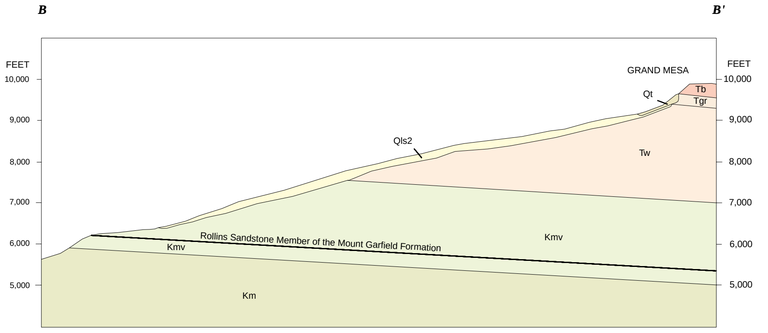
Landslide scarp

Gravel pit

Oil Well—Total depth (TD) in ft and company that drilled hole

Dry Hole—Total depth (TD) in ft and company that drilled hole





GEOLOGIC MAP OF THE PALISADE QUADRANGLE, MESA COUNTY, COLORADO

By

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2000

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This map was produced on request, directly from digital files, on an electronic plotter.

For sale by U.S. Geological Survey Information Services
Box 25286, Federal Center, Denver, CO 80225
1-888-ASK-USGS

This map is also available as a PDF at http://greenwood.cr.usgs.gov