



LIST OF MAP UNITS

The complete description of map units and references are in the accompanying booklet

SURFICIAL DEPOSITS

HUMAN-MADE DEPOSITS

af Artificial fill and disturbed areas (latest Holocene)

ALLUVIAL DEPOSITS

Alluvial Deposits of the White River

Qaw₁ Alluvium one of the White River (Holocene to late Pleistocene)
Qaw₂ Alluvium two of the White River (late Pleistocene)
Line indicates trace of gravel deposit where it is buried by later surficial deposits
Qaw₃ Alluvium three of the White River (late to middle Pleistocene)
Line indicates trace of gravel deposit where it is buried by later surficial deposits
Qaw₄ Alluvium four of the White River (early middle Pleistocene)
Qaw₅ Alluvium five of the White River (early Pleistocene to Pliocene(?))

Alluvial Deposits of tributary-stream areas

Qa₁ Alluvium one of tributary streams (Holocene)
Qa₂ Alluvium two of tributary streams (late Pleistocene)
Qa₃ Alluvium three of tributary streams (late to middle Pleistocene)
Qa₄ Alluvium four of tributary streams (early middle Pleistocene)
Qa Alluvial deposits, undifferentiated (Holocene)

MUDFLOW-DOMINATED ALLUVIAL AND ALLUVIAL-FAN DEPOSITS

Qaf Alluvial and alluvial-fan deposits, undifferentiated valley fill (Holocene)
Qafo Old alluvial and alluvial-fan deposits, undifferentiated valley fill (Pleistocene)
Qf Alluvial-fan deposits (Holocene)
Qfo Old alluvial-fan deposits (late to middle Pleistocene)

ALLUVIAL/COLLUVIAL AND MASS-WASTING DEPOSITS

Qc Colluvial deposits (Holocene)
Qco Old colluvial deposits (Pleistocene)
Qac Alluvial and colluvial deposits, undifferentiated (Holocene)
Qaco Old alluvial and colluvial deposits, undifferentiated (Pleistocene)
Qls Landslide deposits (Holocene to late Pleistocene)

EOLIAN DEPOSITS

Qlo Loess deposits (late Pleistocene)

BEDROCK UNITS

Tw Wasatch Formation (Upper Paleocene to Eocene)
Tfu Fort Union Formation (Lower to Middle Paleocene)
TKoc Ohio Rock Conglomerate (Upper Cretaceous to Lower Paleocene)
Patterns denotes disturbed block
Kwu Williams Fork Formation, upper unit
Kwic Lion Canyon Sandstone Member
Kwl Williams Fork, lower unit
Ki Iles Formation (Upper Cretaceous)
Kit Trout Creek Sandstone Member
Kmu Mancos Shale (Upper Cretaceous)
Kmu Mancos Shale, upper unit
Kmlc Loyd Sandstone Member
Line indicates trace of sandstone bed where identified
Kmmo Moraposs Sandstone Member
Kmp Prairie Canyon Member
Kms Meeker Sandstone Member
Kmf Smoky Hill Member
Kmf Frontier Member (sandstone facies)

Fairfield Coal Group Clinker Zone
Contact—Approximately located
Fault—Dashed where approximately located; dotted where concealed;
U on upthrown side, D on downthrown side
Reverse fault—Teeth shown on overthrust block side of fault
Monocline—Approximately located
Anticline—Approximately located; end arrow indicates direction of plunge
Syncline—Dashed where approximately located; dotted where concealed;
end arrow indicates direction of plunge
Direction of landslide movement
Landslide scarp—Hachure in slope direction
Terrace riser—Line located at top of rise, hachure in slope direction

Strike and dip of inclined bedding—Showing direction and angle of dip
Strike and dip of overturned bedding—Showing direction and angle of dip
Coal mine, abandoned
Gravel quarry, active and abandoned
Dimension stone (Kmf) quarry, abandoned
Fossil collection site with USGS locality identification number
(see appendix in booklet)
Sample location for optically stimulated luminescence (OSL) age dating
Fossil pollen collection site with locality identification number
(see appendix in booklet)
Oil and gas well, producing (2010)
Oil and gas well, plugged and abandoned
Alignment of cross section

Mapped, edited, and published by the Geological Survey
Control by USGS and USGS
Topography by photogrammetric methods from aerial
photographs taken 1962. Field checked 1966
Polyconic projection. 1927 North American datum
10,000-foot grid based on Colorado coordinate system,
north zone
1000-meter Universal Transverse Mercator grid ticks,
zone 13, shown in blue
Red line indicates areas in which only landmark buildings are shown
Fine red dashed lines indicate selected fence lines

SCALE 1:24,000
CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

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MEEKER QUADRANGLE GEOLOGIC MAP, RIO BLANCO COUNTY, COLORADO

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