



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 (latest Holocene)

ALLUVIAL DEPOSITS

- Qau<sub>1</sub> Alluvium one of the Uncompahgre River (early to late Holocene)
- Qau<sub>2</sub> Alluvium two of the Uncompahgre River (late Pleistocene to early Holocene)
- Qau<sub>3</sub> Alluvium three of the Uncompahgre River (late Pleistocene)
- Qau<sub>4</sub> Alluvium four of the Uncompahgre River (late middle Pleistocene)
- Qau<sub>5</sub> Alluvium five of the Uncompahgre River (middle Pleistocene)
- Qau<sub>u</sub> Alluvium of the Uncompahgre River, undifferentiated (late? Pleistocene)
- Qas<sub>1</sub> Alluvium one of Spring Creek (early to late Holocene)
- Qas<sub>2</sub> Alluvium two of Spring Creek (late Pleistocene to early Holocene)
- Qas<sub>3</sub> Alluvium three of Spring Creek (late Pleistocene)
- Qf Alluvial-fan deposits (late Holocene)
- Qamf Alluvial mudflow-and-fan valley-fill deposits (early to late Holocene)
- Qa Alluvium, undifferentiated (Holocene)
- Qac Alluvium and colluvium, undivided (late Pleistocene and Holocene)
- Qg<sub>1</sub> Gravel deposit one (late Pleistocene to early Holocene)
- Qg<sub>2</sub> Gravel deposit two (late Pleistocene)
- Qg<sub>3</sub> Gravel deposit three (late Pleistocene)
- Qg<sub>4</sub> Gravel deposit four (middle Pleistocene)
- Qg Gravel deposits, undifferentiated (Holocene)

MASS-WASTING DEPOSITS

- Qc Colluvial deposits (late Pleistocene and Holocene)
- Qls Landslide deposits (middle Pleistocene to Holocene)

BEDROCK UNITS

- Kms Mancos Shale (Upper Cretaceous)
- Kmj Smoky Hill Member
- Kmb Juana Lopez and Montezuma Valley Members, undivided
- Kmg Blue Hill and Fairport Members, undivided
- Kmb Graneros and Bridge Creek Members, undivided
- Kdb Dakota Sandstone and Burro Canyon Formation, undivided (Lower and Upper Cretaceous)
- Jm Morrison Formation (Upper Jurassic)— Shown on cross-section only
- Jw Wanakah Formation (Middle Jurassic)— Shown on cross-section only
- Je Entrada Sandstone (Middle Jurassic)— Shown on cross-section only
- p— Precambrian Rocks— Shown in cross-section only

- Contact— Approximately located
- Syncline— End arrow indicates direction of plunge
- Landslide scarp
- Strike and dip of inclined beds— Showing direction and angle of dip
- Pediment surface with no capping deposit
- Fossil locality: sample number shown - See table
- Alignment of cross section

Fossil localities. *Number corresponds to locality on map*

Number	Fossil Name
MM4	<i>Inoceramus dimidiatus</i>
MM7	<i>Lophia lugubris</i>
MM14a	<i>Lophia lugubris</i>
MM14b	<i>Prinocyclus bosquensis</i>
D14452 (USGS)	<i>Prinocyclus bosquensis</i> , <i>Scaphites witfieldi</i> , <i>Mytiloides incertus</i> , <i>Baculites</i> sp.
MM17	<i>Cremnocramus deformis</i>
MM24	<i>Prinocyclus macombi</i> , <i>Lophia lugubris</i>
MM61	<i>Pycnodonte aff. kellumi</i>
SK34b	<i>Prinocyclus macombi</i>
SK25b,c	<i>Cremnocramus crassus</i> , <i>Baculites</i> sp.
SK37c	<i>Mytiloides incertus?</i>

GEOLOGIC MAP OF THE OLATHE QUADRANGLE, MONTROSE COUNTY, COLORADO

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