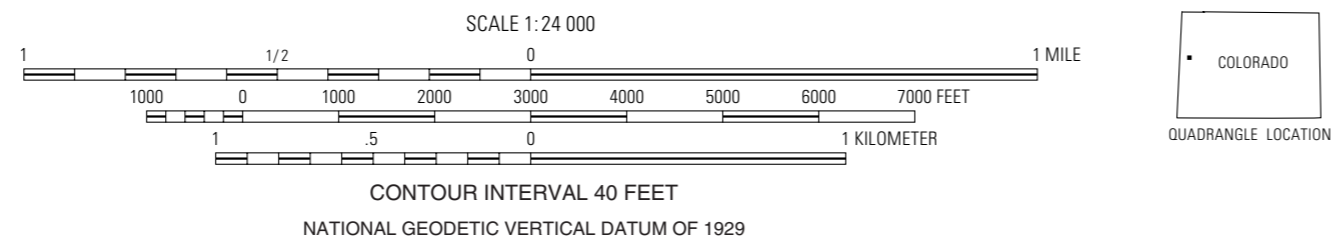
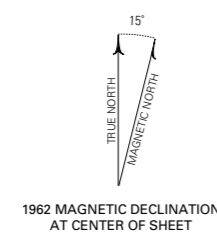
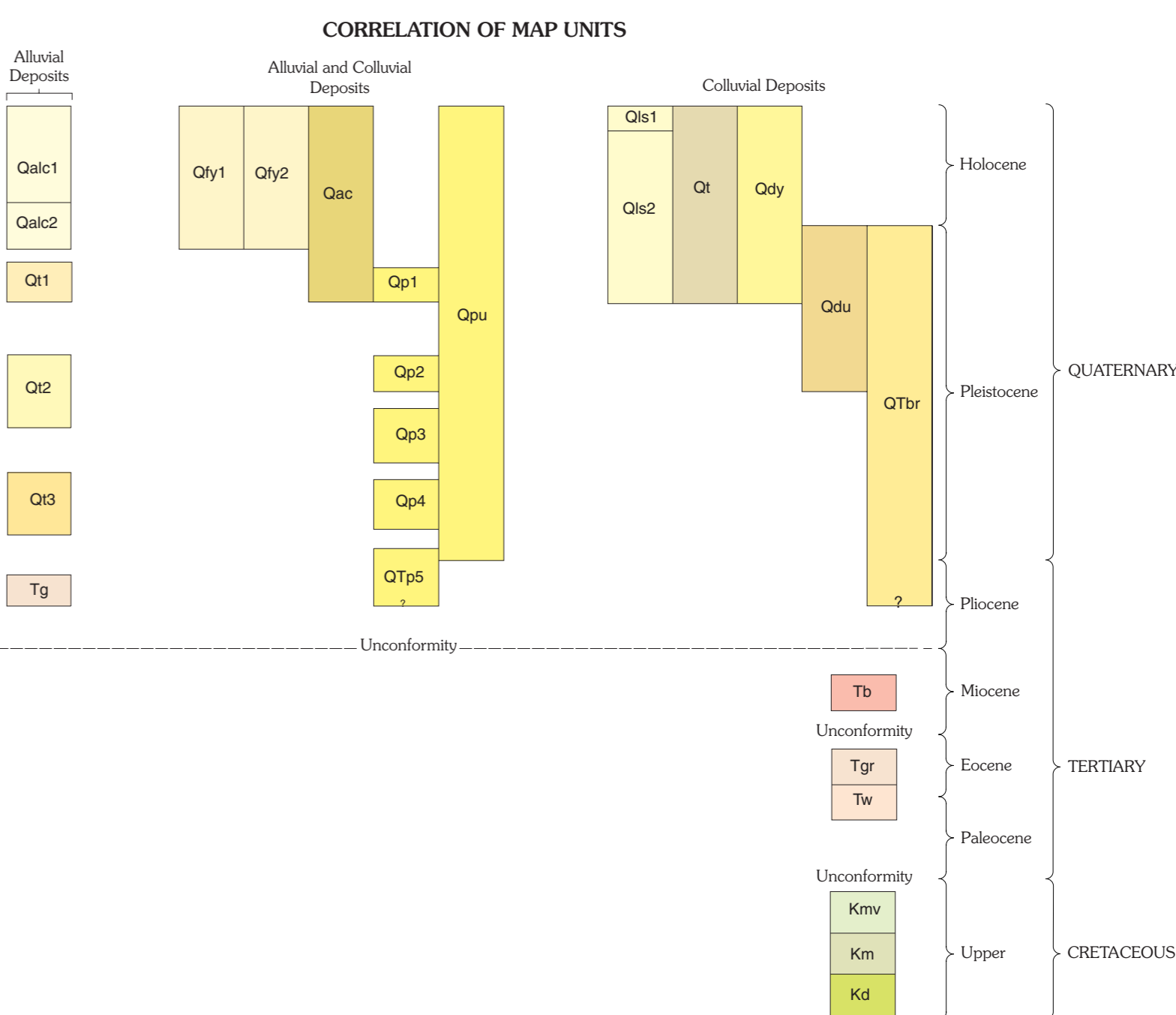
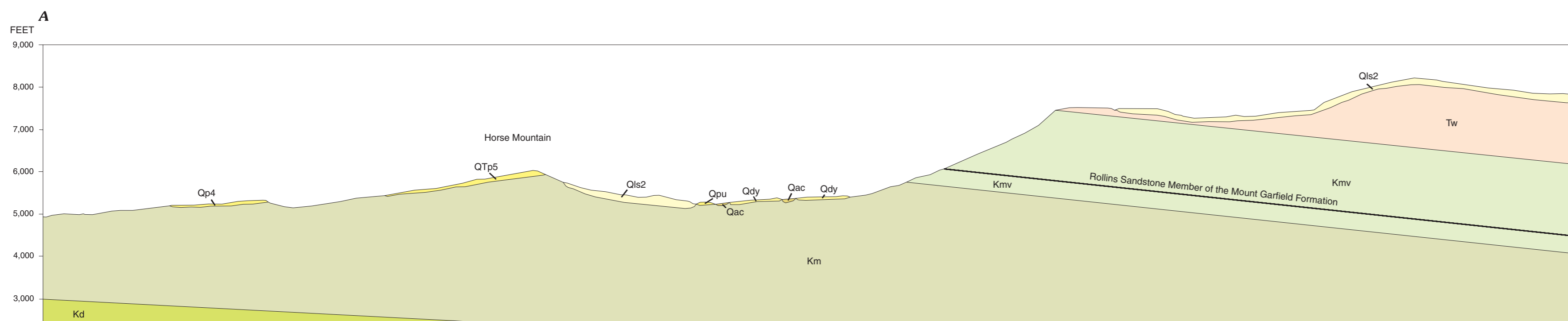


Base from U.S. Geological Survey, 1962
Lambert Conic Conformal projection, 1927 North American Datum



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



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)
- Qc2 Older terrace alluvium (middle Pleistocene)
- Qc3 Oldest terrace alluvium (early Pleistocene)
- Tg Alluvium (Pliocene?)

ALLUVIAL AND COLLUVIAL DEPOSITS

- Qly1 Fan alluvium of Watson Creek (Holocene and latest Pleistocene)
- Qly2 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)

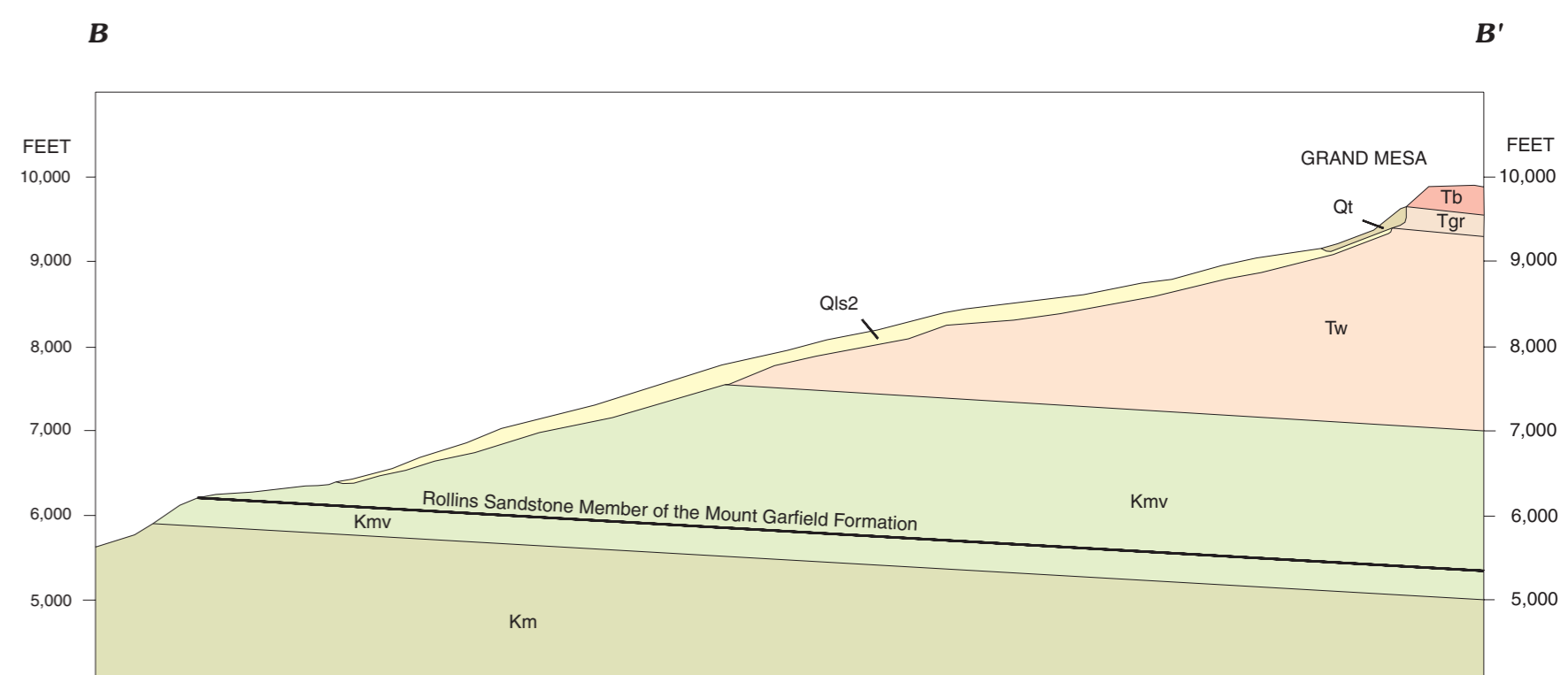
COLLUVIAL DEPOSITS

- Qls1 Recent landslide deposits (latest Holocene)
- Qls2 Landslide deposits (Holocene and late Pleistocene)
- Ql 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
Paul E. Carrara
2000