

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 (upper Holocene)

ALLUVIAL DEPOSITS

Qa1 Channel and flood plain alluvium (upper Holocene)

Qa2 Valley-floor alluvium (upper Holocene)

Qa3 Valley floor and terrace alluvium (upper Pleistocene)

Qau Alluvium, undivided (Holocene and Pleistocene)

Qsw Sheetwash alluvium (Holocene and Pleistocene)

Qg1 Gravel one (upper middle Pleistocene)

Qg2 Gravel two (middle Pleistocene)

Qg3 Gravel three (lower(?) Pleistocene)

QTg4 Gravel four (lower Pleistocene and upper Tertiary(?))

QTg5 Gravel five (lower Pleistocene and upper Tertiary(?))

ALLUVIAL AND COLLUVIAL DEPOSITS

Qdf Debris-fan deposits (Holocene and Pleistocene)

Qac Alluvium and colluvium, undivided (Holocene and Pleistocene)

MASS-WASTING DEPOSITS

Qls Landslide deposits (Pleistocene)

BEDROCK

TERTIARY CONTINENTAL SEDIMENTARY ROCKS

Tdg Gravel at Divide (Miocene)

PALEOZOIC SEDIMENTARY ROCKS

PPI Fountain Formation (Lower Permian and Pennsylvanian)

Mlw Leadville Limestone and Williams Canyon Member, undivided (Mississippian)

Om Manitou Formation (Lower Ordovician)

Cs Sawatch Formation (Upper Cambrian)

MESOPROTEROZOIC IGNEOUS ROCKS OF THE PIKES PEAK BATHTHOLITH

Ypeg Pegmatite (Mesoproterozoic)

Ypb Porphyritic granite of Pikes Peak batholith (Mesoproterozoic)

Ypp Pikes Peak Granite (Mesoproterozoic)

— Contact — Approximately located

U Fault — Dashed where approximately located, dotted where concealed, queried where uncertain. U = upthrown side, D = downthrown side.
Some faults shown with dip-slip motion may have a component of strike-slip motion.

Strike and dip of bedding or contacts

Inclined — Showing direction and angle of dip

Overturned — Showing direction and angle of dip

Vertical

Strike and dip of joints and fractures

Inclined — Showing direction and angle of dip

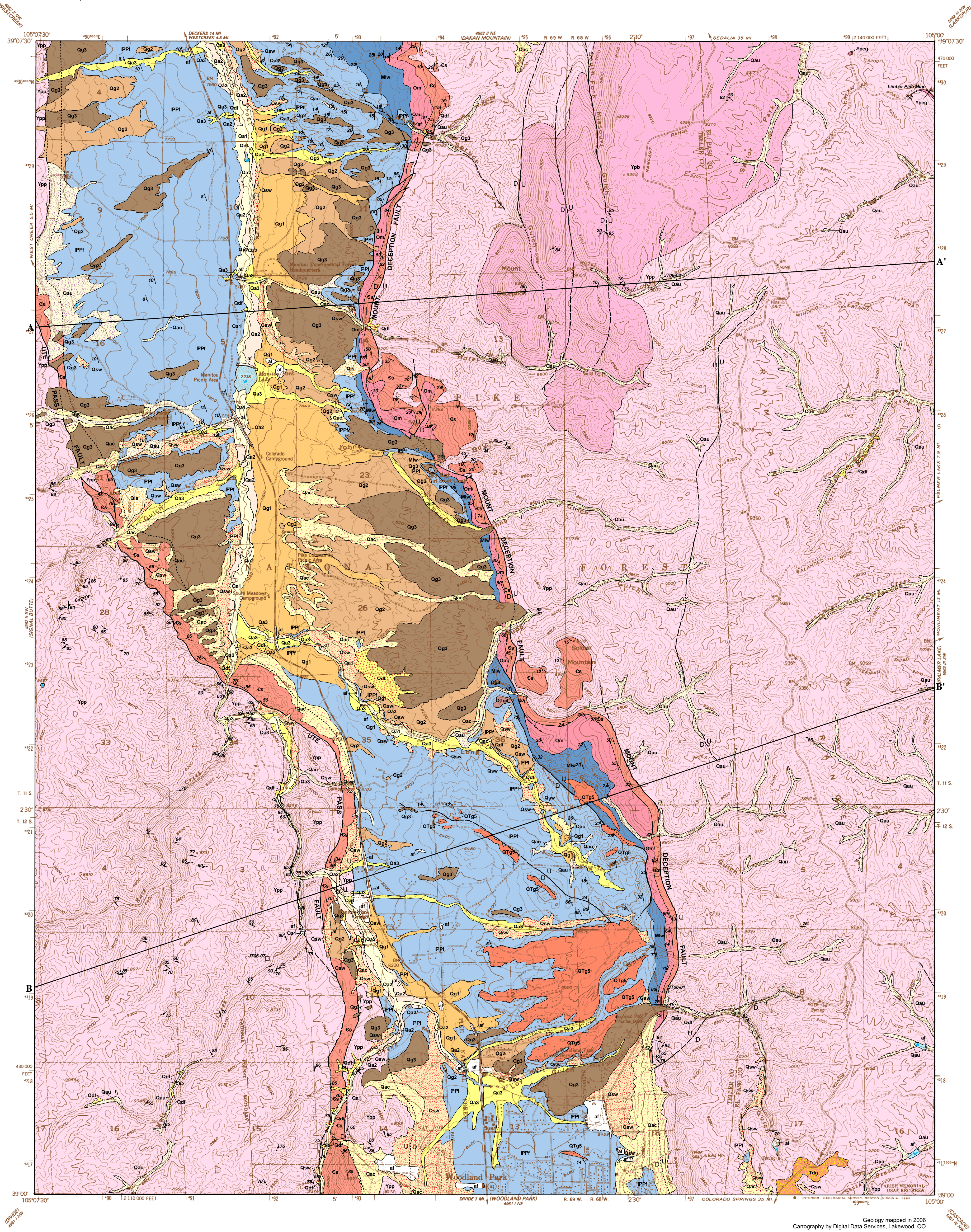
Vertical

Location and identification number of sample with major-element chemical analysis (see booklet for analysis)

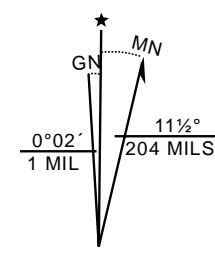
Mine or gravel pit

W Water

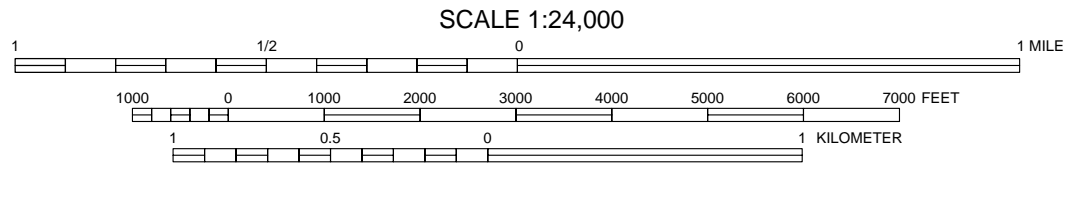
A—A' Alignment of cross section



Base from U.S. Geological Survey, 1954
Polyconic projection, 1927 North American Datum
10,000-foot grid based on Colorado coordinate system, central zone
1,000-meter Universal Transverse Mercator grid ticks, zone 13



APPROXIMATE MEAN DECLINATION, 1954



CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

Colorado
Quadrangle Location

1	2	3
4	5	6
7	8	

ADJOINING 7.5' QUADRANGLES

Geology mapped in 2006
Cartography by Digital Data Services, Lakewood, CO

GEOLOGIC MAP OF THE MOUNT DECEPTION QUADRANGLE, TELLER AND EL PASO COUNTIES, COLORADO

By Jay Temple, Rich Madole, John W. Keller, and Dawn Martin
2007



Bill Ritter Jr., Governor
State of Colorado
Harris D. Sherman, Executive Director
Department of Natural Resources
Vincent Matthews
State Geologist and Division Director
Colorado Geological Survey