

LIST OF MAP UNITS

The complete description of map units and references are in the accompanying Author's Notes

SURFICIAL DEPOSITS

HUMAN-MADE DEPOSITS

af Artificial fill (late Holocene)

ALLUVIAL DEPOSITS

- Qa Channel and flood-plain alluvium (late Holocene)
Qt₁ Terrace alluvium one (Holocene and late Pleistocene)
Qt₂ Terrace alluvium two (late Pleistocene)
Qt₃ Terrace alluvium three (late middle Pleistocene)
Qsw Sheetwash (Holocene and late Pleistocene)
Qaf₁ Alluvial-fan deposits (Holocene and late Pleistocene)
Op₁ Older alluvium one (late Pleistocene)
Op₂ Older alluvium two (early? to middle Pleistocene)
Cc Colluvium (Holocene and upper Pleistocene)

BEDROCK DEPOSITS

- Tcr Castle Rock Conglomerate (late Eocene)
Twm Wall Mountain Tuff (late Eocene)
Tlc Conglomerate of Larkspur Butte (late? Eocene)
TKda₅ Dawson Formation (Upper Cretaceous to Eocene)
TKda₄ Facies unit five (early to middle? Eocene)
TKda₃ Facies unit four (early Paleocene)
TKdu Dawson Formation undivided (Upper Cretaceous to Eocene) —Shown only on cross section

MAP SYMBOLS

- Approximate contact
s Strike and dip of inclined bed — Angle of dip shown in degrees
⊕ Horizontal bed
— Abandoned placer mine
+ Collapsed mine adit
• Paleosol exposures
A—A' Alignment of cross sections

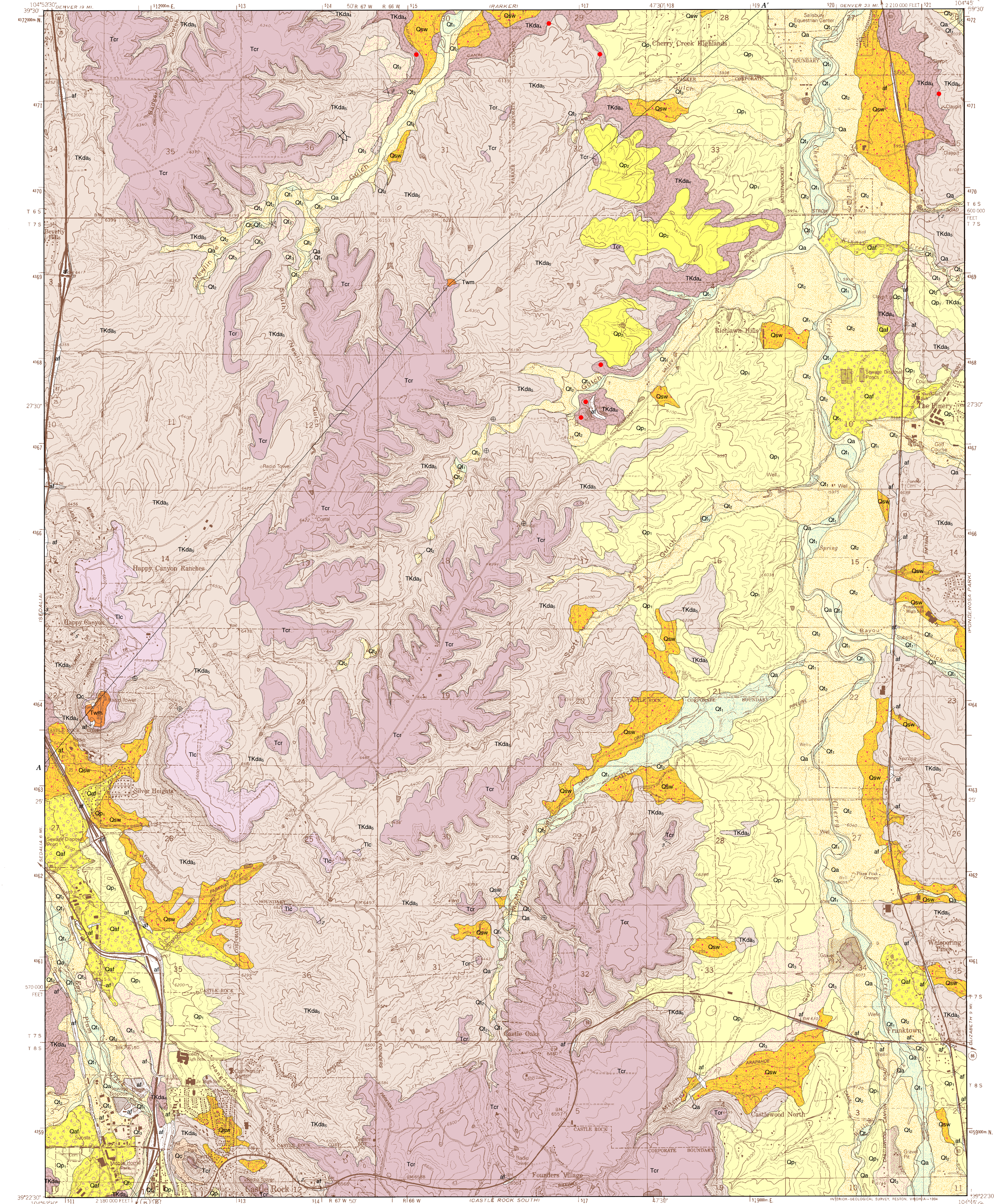
Bill Owens, Governor,
State of Colorado



Russell George, Executive Director,
Department of Natural Resources



Vincent Matthews,
State Geologist and Director,
Colorado Geological Survey



Base from U.S. Geological Survey, 1994
Polyconic projection, 1927 North American datum
10,000-foot grid based on Colorado Coordinate
System, central zone

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN
DECLINATION, 1994

SCALE 1:24,000
1 1/2 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0.5 0 1 KILOMETER
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

COLORADO
QUADRANGLE LOCATION

1 Highlands Ranch
2 Parker
3 Pinery Creek
4 Sedalia
5 Poncha Park
6 Dawson Butte
7 Castle Rock South
8 Russellville Gulch
ADJOINING 7.5' QUADRANGLES

GEOLOGIC MAP OF THE CASTLE ROCK NORTH QUADRANGLE, DOUGLAS COUNTY, COLORADO

By Jon P. Thorson
2005