

**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**

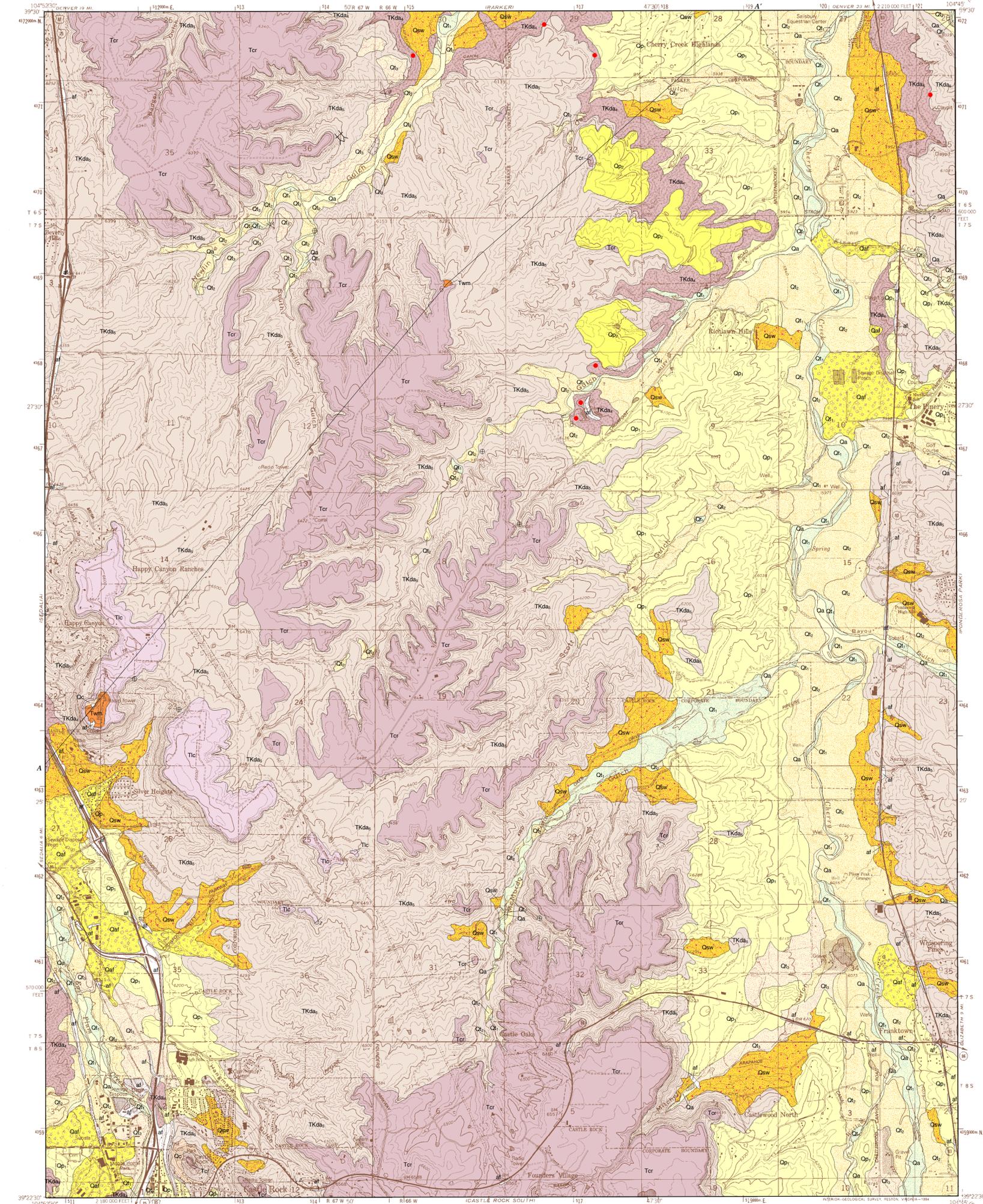
- Qa Channel and flood-plain alluvium (late Holocene)
- Qt1 Terrace alluvium one (Holocene and late Pleistocene)
- Qt2 Terrace alluvium two (late Pleistocene)
- Qt3 Terrace alluvium three (late middle Pleistocene)
- Qsw Sheetwash (Holocene and late Pleistocene)
- Qaf1 Alluvial-fan deposits (Holocene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

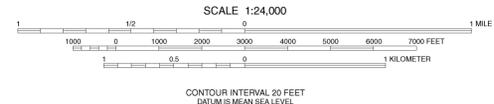
**MAP SYMBOLS**

- Approximate contact
- ∠ 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



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



1	2	3
4	5	6
7	8	

ADJOINING 7.5' QUADRANGLES

Geology mapped in 2004  
Digital map prepared by Cheryl Brchan

Bill Owens, Governor,  
State of Colorado  
**COLORADO**  
DEPARTMENT OF  
NATURAL  
RESOURCES  
Russell George, Executive Director,  
Department of Natural Resources



Vincent Matthews,  
State Geologist and Director,  
Colorado Geological Survey

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

By Jon P. Thorson  
2005