

# Plate 1 Douglas County Geology and Groundwater Resources Geologic Map

COLORADO GEOLOGICAL SURVEY  
COLORADO SCHOOL OF MINES  
GOLDEN, COLORADO

GEOLOGY AND GROUNDWATER RESOURCES  
DOUGLAS COUNTY, COLORADO  
OPEN FILE REPORT 15-10  
Plate 1 of 20

105°20'0"W 105°10'0"W 105°0'0"W 104°50'0"W 104°40'0"W

**Map Explanation:** This map illustrates general surface geology of Douglas County Colorado and is based on current mapping efforts.

**Notes:** Geologic maps used in the compilation include most recent 1:24,000 scale geologic quadrangle maps or 1:100,000 scale maps where the large scale maps have not been prepared.

## Legend

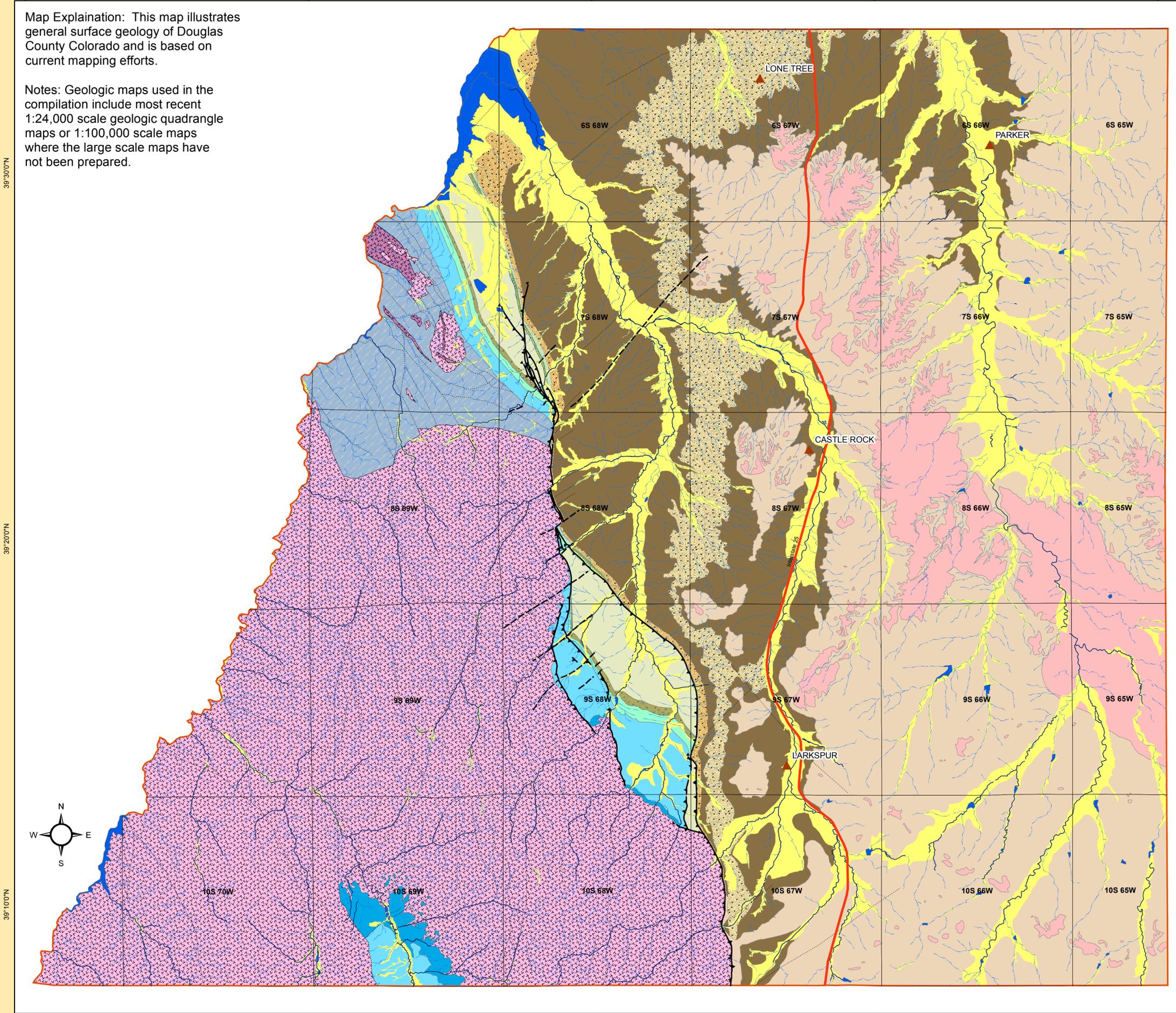
- Towns and Cities
- Interstate 25
- Intermittent Streams
- Perennial Streams
- Townships
- Lakes
- Faults**
  - Normal (known, approximated, & inferred)
  - Reverse (known, approximated, & inferred)
  - Not Defined (concealed, approximated, & inferred)

## Geology of Douglas County

- Quaternary alluvium
- Tertiary Units Undifferentiated
- Eocene Dawson Arkose
- Paleocene D1 Upper Mudstone
- Paleocene D1 Upper Fan
- Paleocene-Cretaceous D1 Middle Unit (Denver Formation)
- Cretaceous D1 Lower Fan
- Cretaceous Upper Laramie Formation
- Cretaceous Lower Laramie Formation
- Cretaceous Fox Hills Formation
- Cretaceous Seaway Units, Undifferentiated
- Cretaceous Dakota Group
- Mesozoic Units, Undifferentiated
- Lyons-Fountain Formaiton Units, Undifferentiated
- Paleozoic Sedimentary Units, Undifferentiated

## Precambrian Crystalline Rocks

- Pikes Peak Granite
- Other Quartz Diorite
- Metamorphic Gneiss, Undifferentiated



39°30'0"N

39°20'0"N

39°10'0"N

39°0'0"N

39°30'0"N

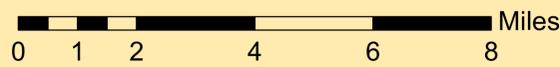
39°20'0"N

39°10'0"N

39°0'0"N

105°20'0"W 105°10'0"W 105°0'0"W 104°50'0"W 104°40'0"W

Universal Transverse Mercator, Zone 13, NAD 83



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