

# Plate 1

## Douglas County Geology and Groundwater Resources

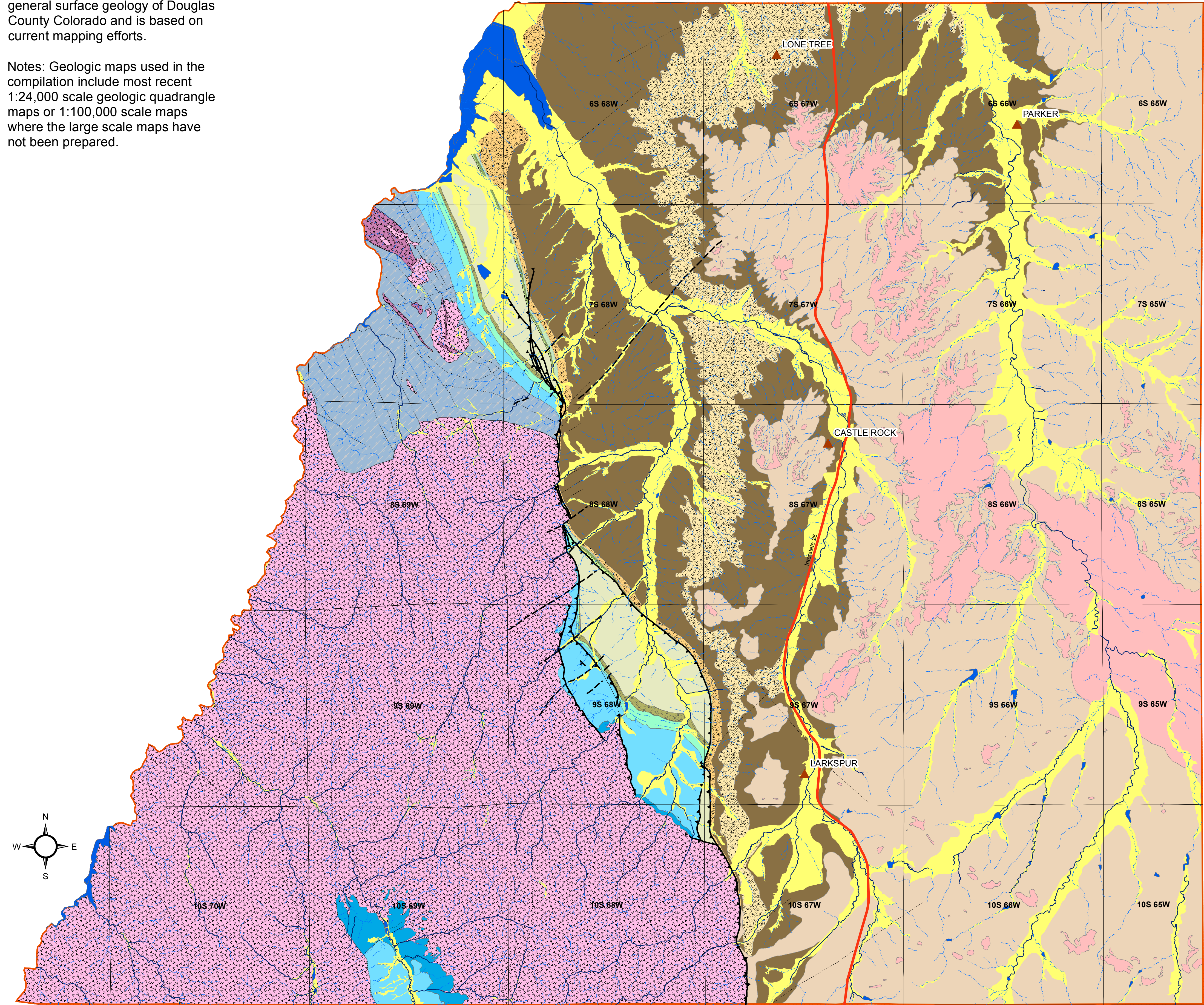
### Geologic Map

COLORADO GEOLOGICAL SURVEY  
COLORADO SCHOOL OF MINES  
GOLDEN, COLORADO

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

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



COLORADO GEOLOGICAL SURVEY  
COLORADO SCHOOL OF MINES

Universal Transverse Mercator, Zone 13, NAD 83

0 1 2 4 6 8 Miles