

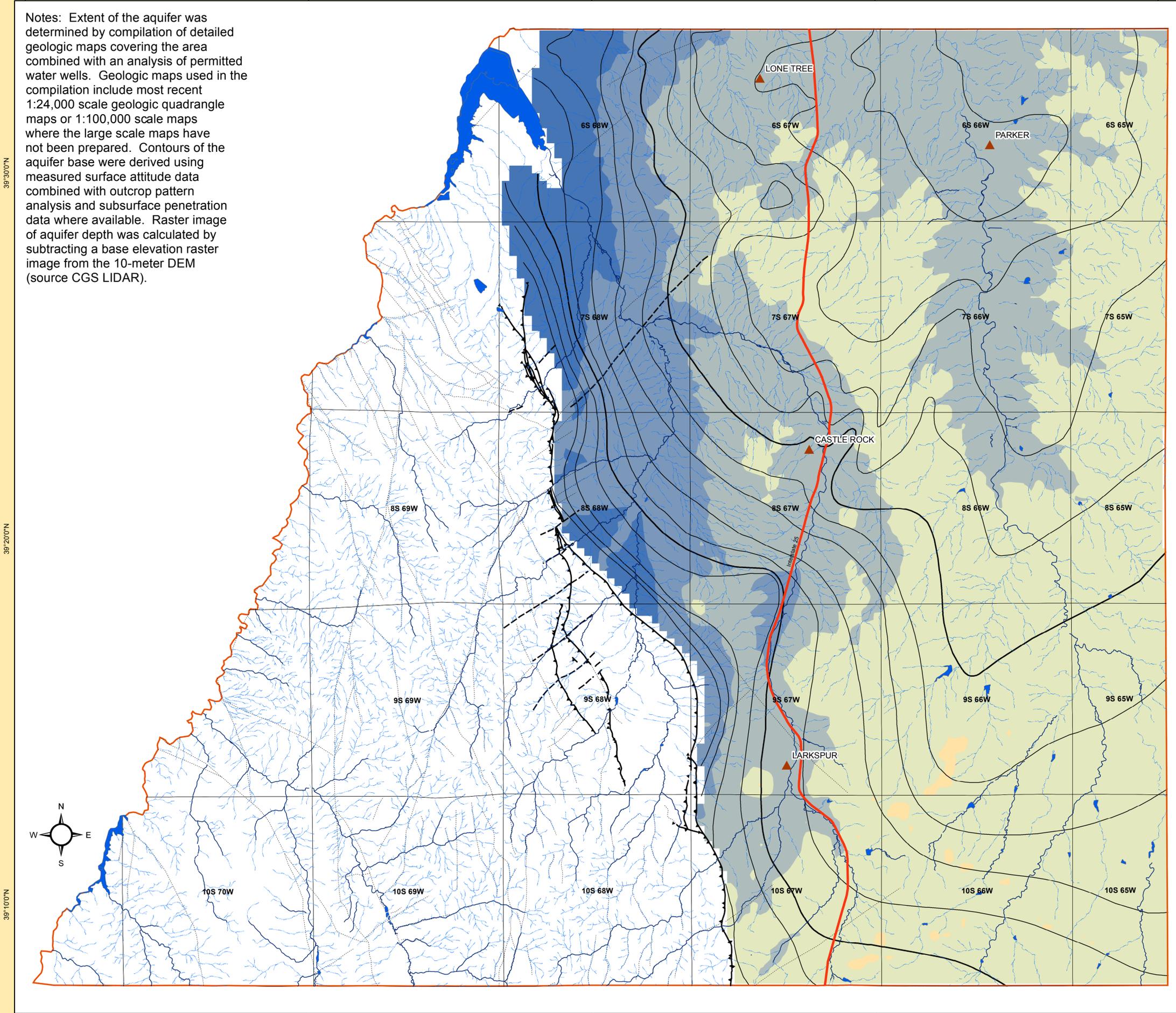
# Plate 15 Douglas County Geology and Groundwater Resources D1 Middle Unit Depth Map

COLORADO GEOLOGICAL SURVEY  
COLORADO SCHOOL OF MINES  
GOLDEN, COLORADO

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

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

Notes: Extent of the aquifer was determined by compilation of detailed geologic maps covering the area combined with an analysis of permitted water wells. 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. Contours of the aquifer base were derived using measured surface attitude data combined with outcrop pattern analysis and subsurface penetration data where available. Raster image of aquifer depth was calculated by subtracting a base elevation raster image from the 10-meter DEM (source CGS LIDAR).



39°30'0"N 39°20'0"N 39°10'0"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

### Legend

- Towns and Cities
- Interstate 25
- Lakes
- Intermittent Streams
- Perennial Streams

#### Faults

- Normal (known, approximated, & inferred)
- Reverse (known, approximated, & inferred)
- Not Defined (concealed, approximated, & inferred)

#### D1 Middle Unit Contours

- 500 ft contour, with control
- 100 ft contour, with control

#### D1 Middle Unit Depth

Aquifer base depth range (feet below ground)

- < 500
- 500 - 1,000
- 1,000 - 1,500
- 1,500 - 2,000
- 2,000 - 3,500





**COLORADO GEOLOGICAL SURVEY**  
COLORADO SCHOOL OF MINES