

Plate 11

Douglas County Geology and Groundwater Resources

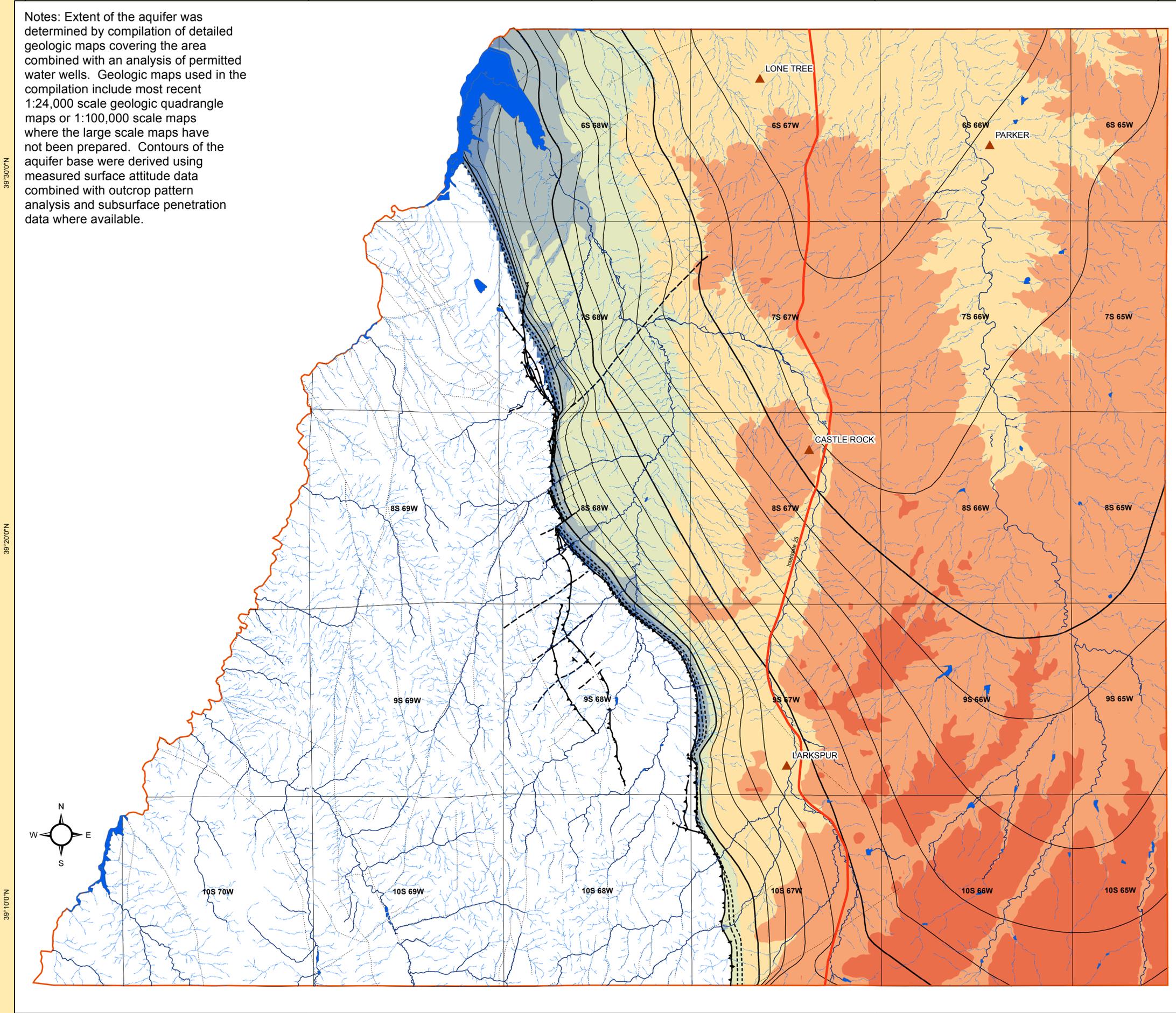
Laramie-Fox Hills Aquifer Depth Map

COLORADO GEOLOGICAL SURVEY
 COLORADO SCHOOL OF MINES
 GOLDEN, COLORADO

GEOLOGY AND GROUNDWATER RESOURCES
 DOUGLAS COUNTY, COLORADO
 OPEN FILE REPORT 15-10
 Plate 11 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.



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)
- Townships

Laramie-Fox Hills Aquifer Contours

Fox Hills Sandstone top elevation (feet, MSL)

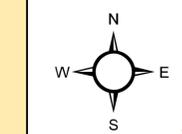
- 500 ft contour, with control
- - - 500 ft contour, dashed where inferred
- 100 ft contour, with control
- - - 100 ft contour, dashed where inferred

Laramie-Fox Hills sandstone Top Depth

Aquifer base depth range (in feet below the surface)

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

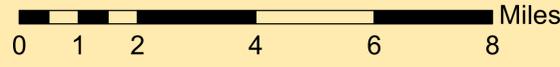
39°30'0"N



39°20'0"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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