

Plate 7

Douglas County Geology and Groundwater Resources

Lyons Fountain 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 7 of 20

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

Lyons-Fountain Aquifer Contours

Elevation of the Lyons-Fountain formation base (feet, MSL)

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

Depth of Lyons-Fountain Aquifer

Aquifer base depth range (feet below ground)

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

