

Plate 14
Douglas County Geology and Groundwater Resources
D1 Middle Unit Extent Map

COLORADO GEOLOGICAL SURVEY
COLORADO SCHOOL OF MINES
GOLDEN, COLORADO

GEOLOGY AND GROUNDWATER RESOURCES
DOUGLAS COUNTY, COLORADO
OPEN FILE REPORT 15-10
Plate 14 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.

Permitted well data were obtained from current Division of Water Resources permit files available online in February 2013 (<http://water.state.co.us/DataMaps/GISandMaps/Pages/GISDownloads.aspx>).

Estimated groundwater flow direction is from Paschke and others 2011.

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

Denver Aquifer

- D1 middle unit wells (permit designation)
- Estimated groundwater flow direction
- D1 middle unit intersecting alluvium
- D1 middle unit, outcrop (Denver Formation)
- D1 middle unit, concealed

