

# Plate 18

## Douglas County Geology and Groundwater Resources

### Dawson Arkose Aquifer Extent Map

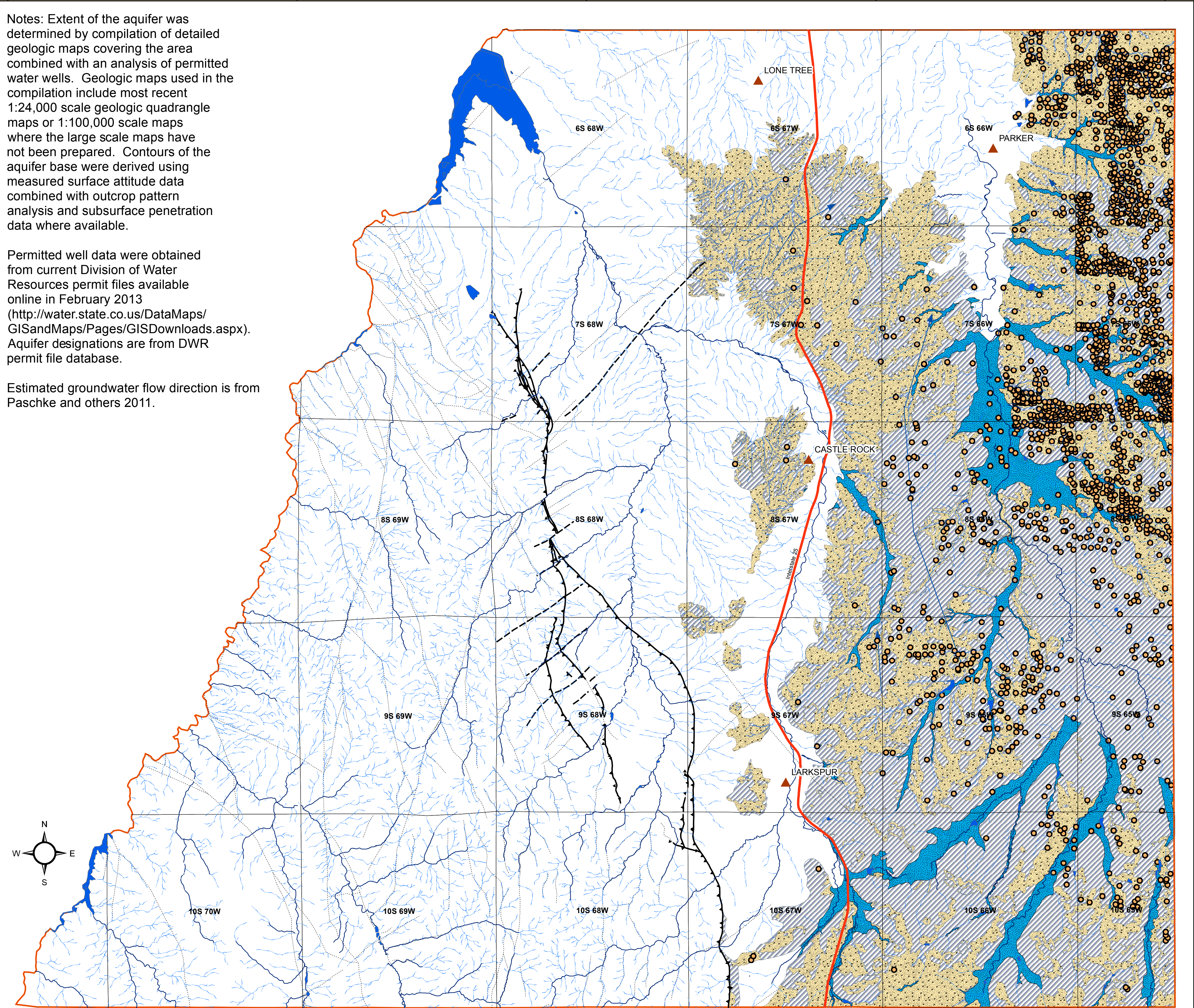
COLORADO GEOLOGICAL SURVEY  
COLORADO SCHOOL OF MINES  
GOLDEN, COLORADO

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

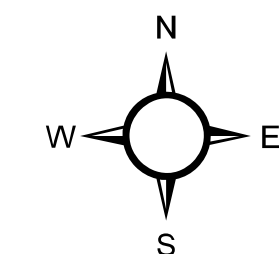
Permitted well data were obtained from current Division of Water Resources permit files available online in February 2013 (<http://water.state.co.us/DataMaps/GISandMaps/Pages/GISDownloads.aspx>). Aquifer designations are from DWR permit file database.

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
- Dawson Arkose Aquifer Extent
  - Upper Dawson Aquifer wells (permit designation)
  - Estimated groundwater flow direction
  - Dawson Arkose intersecting alluvium
  - Dawson Arkose, outcrop
  - Dawson Arkose, concealed



Universal Transverse Mercator, Zone 13, NAD 83

0 1 2 4 6 8 Miles



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