

Plate 5

Douglas County Geology and Groundwater Resources

Older Paleozoic Unit Depth Map

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
- Intermittent Streams
- Perennial Streams
- Lakes
- Normal (known, approximated, & inferred)
- Reverse (known, approximated, & inferred,)
- Not Defined (concealed, approximated, & inferred)
- Townships

Older Paleozoic Unit Aquifer

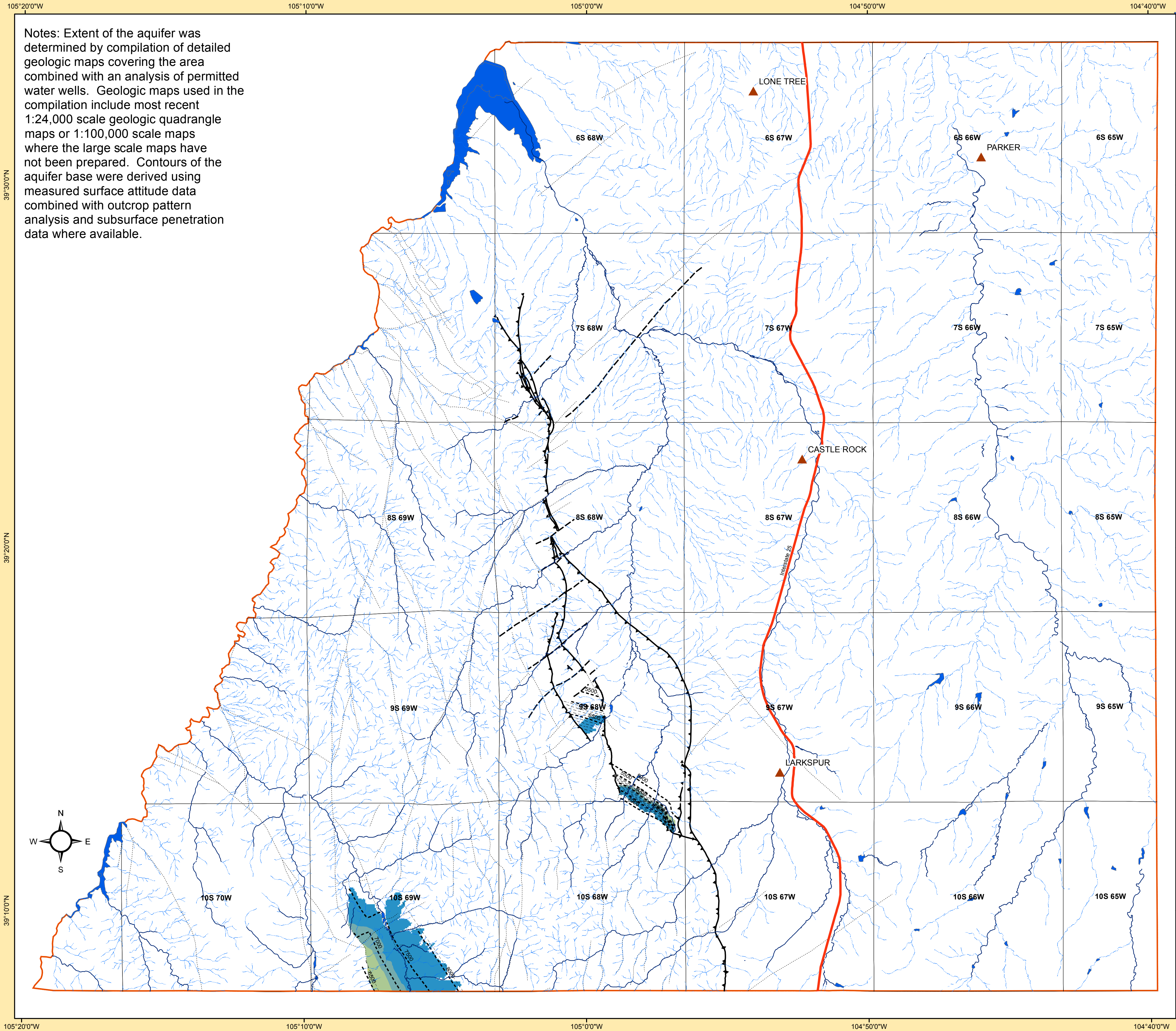
Elevation of the Older Paleozoic unit base (feet, MSL)

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

Depth of the Older Paleozoic Unit

Aquifer base depth range (feet below ground)

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



Universal Transverse Mercator, Zone 13, NAD 83

0 1 2 4 6 8 Miles

