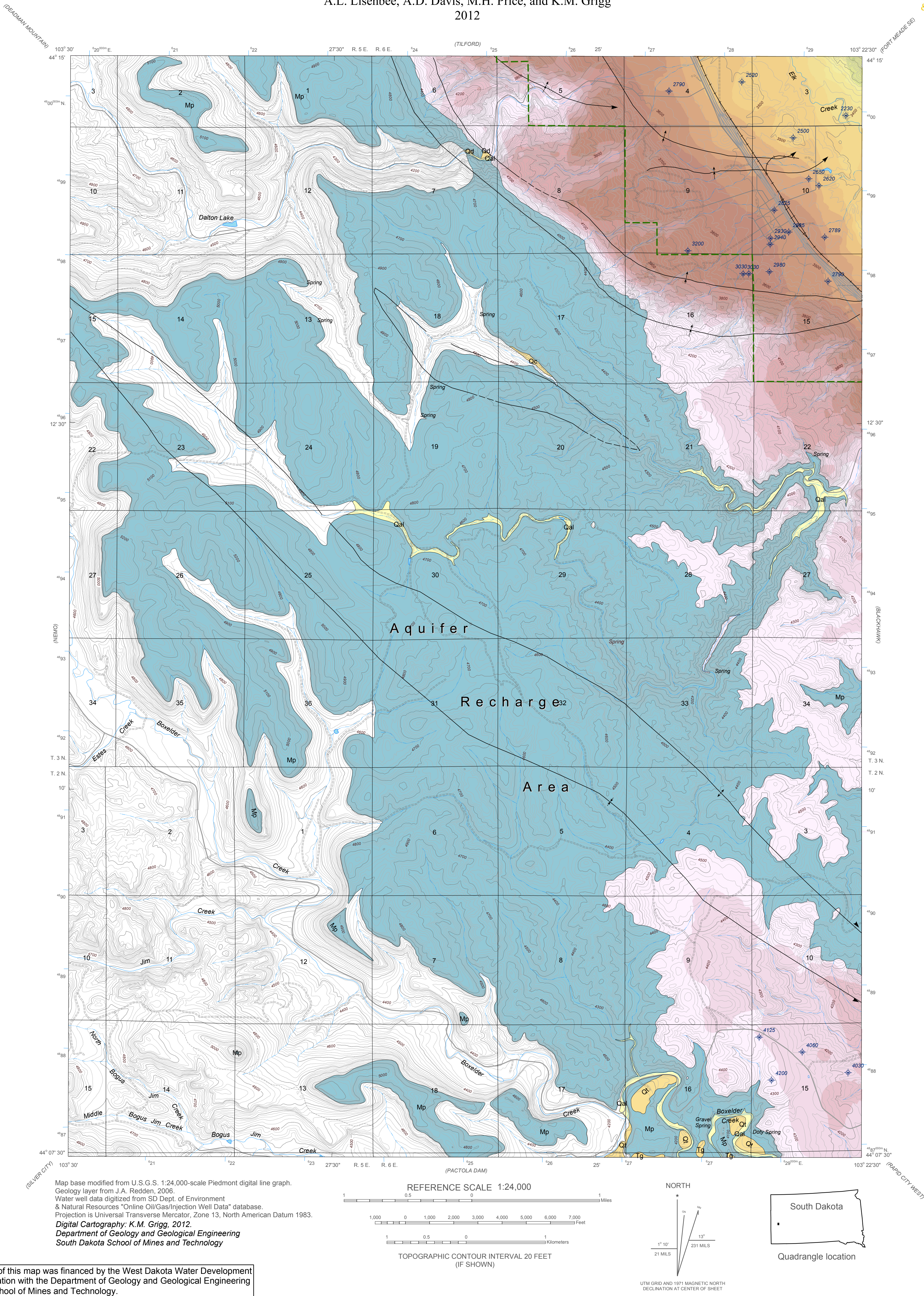
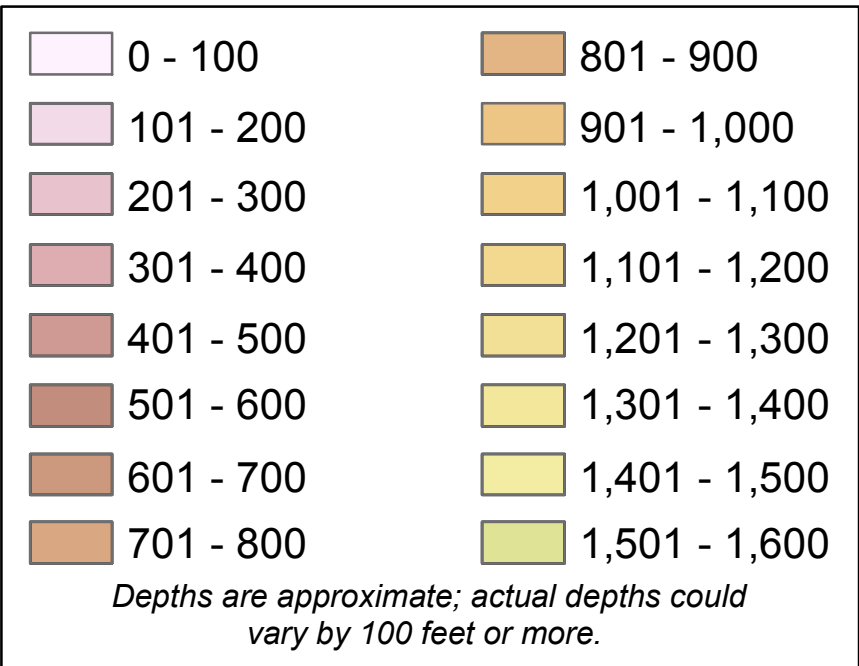


Depth to Top of the Madison Aquifer (Pahasapa Formation), Piedmont Quadrangle

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Depth to Pahasapa Limestone (Madison Aquifer) In Feet below Land Surface



EXPLANATION



- Wells penetrating Madison Aquifer
number indicates elevation of top of Pahasapa Fm, in feet
- Trail
 - Unimproved Road
 - Paved Road
 - Highway
 - Interstate
 - Railroad
 - Lake
 - Intermittent Stream
 - Perennial Stream
 - Black Hills National Forest Boundary

- Contact
Solid where location certain; dashed where approximately located.
- Anticline
Showing crestline and direction of plunge.
Solid where location certain; dashed where approximately located.
- Syncline
Showing troughline and direction of plunge.
Solid where location certain; dashed where approximately located.
- Monocline - Anticlinal bend
Axis located on steepest part of structure.
Solid where location certain; dashed where approximately located.
- Monocline - Synclinal bend
Axis located on steepest part of structure.
Solid where location certain; dashed where approximately located.

Geologic Units

Quaternary

Qal

Floodplain Surficial Deposits
Includes alluvium (Qal) deposits.
Increased potential for infiltration of water.

Qt

Other Surficial Deposits
Includes colluvium (Qc), debris flow (Qd), terrace (Qt), and Tertiary gravel (Tg) deposits.
Decreased potential for infiltration of water.

Disconformity

Lower Mississippian

Mp

Pahasapa Limestone - Recharge Area
White, beige and gray limestone and dolomite.
Contains thin lenses and beds of gray to brown chert, local solution breccia, and caves.

Pahasapa Limestone Absent