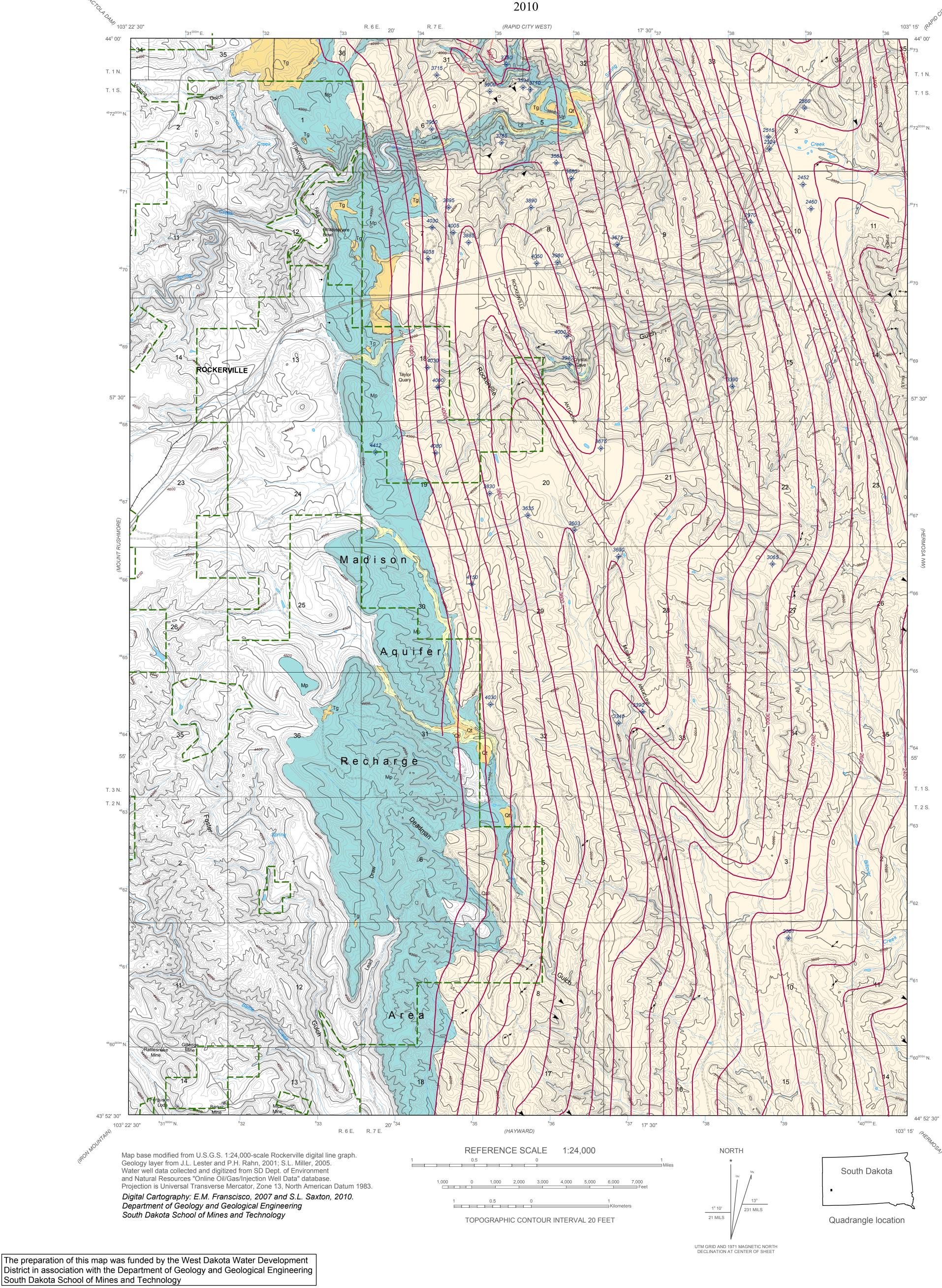
## Development District

## Structural Contour Map, Pahasapa Limestone (Madison Aquifer), Rockerville Quadrangle

A.L. Lisenbee and S. Miller

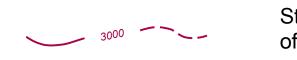




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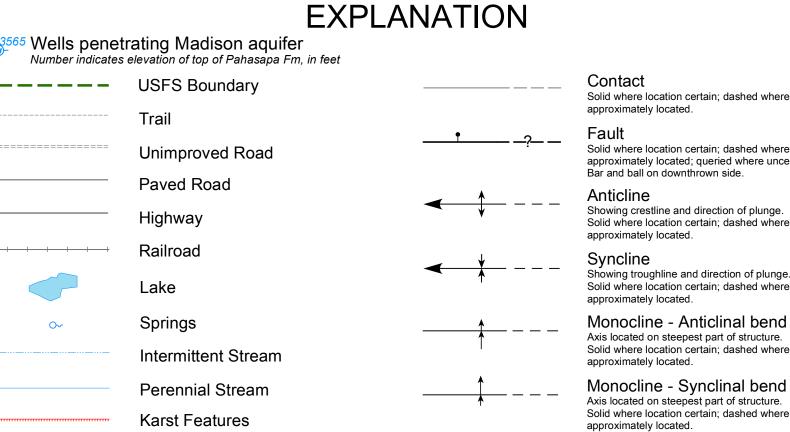
## **Structural Contours**

Structural contours mark lines of equal elevation of the top of a geological formation. The contours help to define unseen folds and faults present below the land surface. Dashed where projected above surface. Number indicates elevation above sea level.



Structural Contour on top of Pahasapa Formation

Structural Contour Interval 100 feet



Contact Solid where location certain; dashed where approximately located. Fault Solid where location certain; dashed where Bar and ball on downthrown side. Showing crestline and direction of plunge.

approximately located; queried where uncertain. Solid where location certain; dashed where

approximately located. 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.

Lower Mississippian

Geologic Units Floodplain Surficial Deposits Quaternary Includes alluvium (Qal) and alluvial fan deposits (Qaf). Increased potential for full saturation. **Other Surficial Deposits** 

Includes terrace deposits (Tg) and gravel deposits (Qt). Decreased potential for full saturation. Quaternary/Tertiary Unconformity 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** Pahasapa Limestone Present in Subsurface