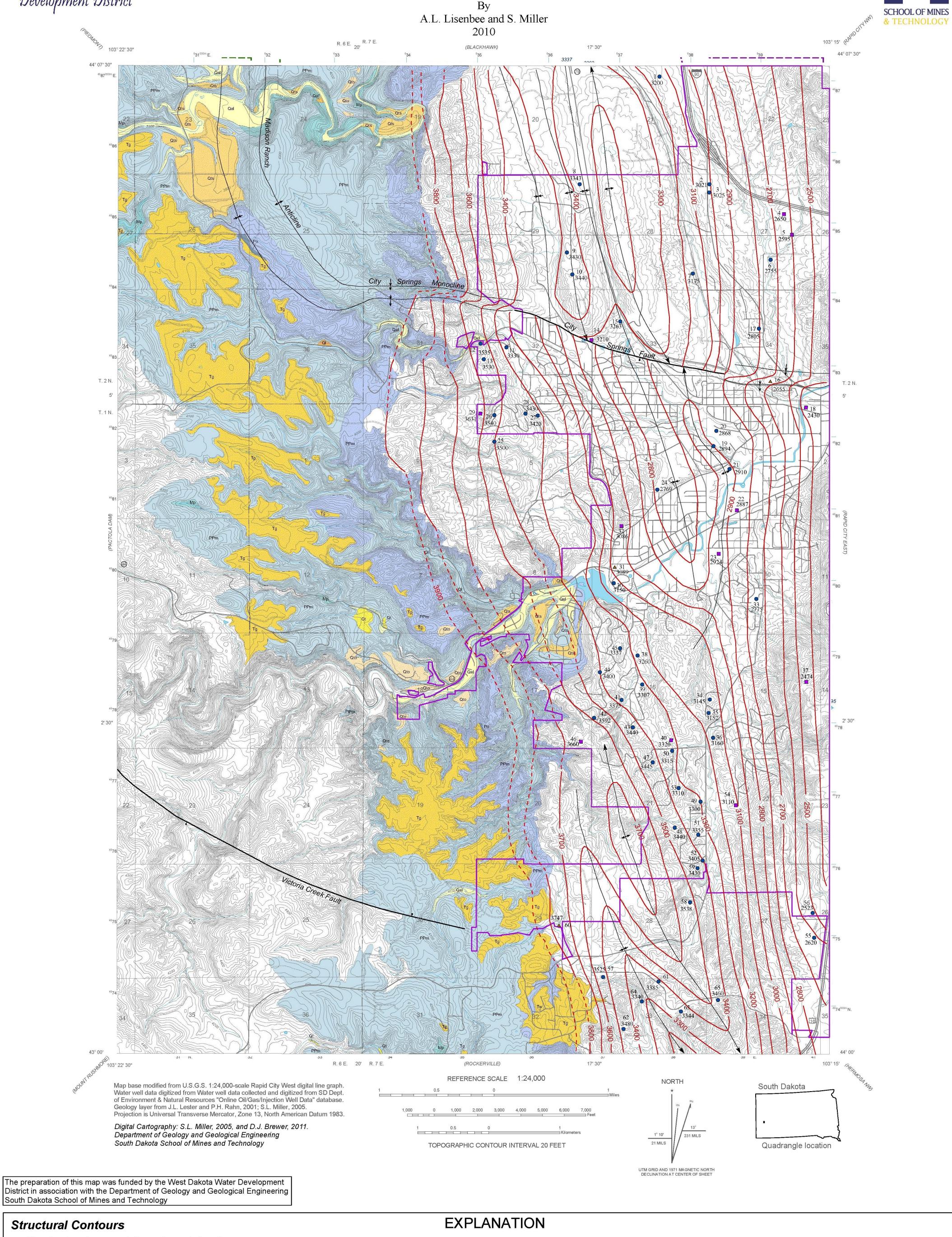
Development District

Structural Contour Map, Top of Minnelusa Formation, Rapid City West Quadrangle





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 Minnelusa Formation

Structural Contour Interval 100 feet

Wells penetrating Minnelusa aquifer Number indicates elevation of top of Minnelusa Fm, in feet

Unimproved Road Paved Road Highway Interstate Railroad Lake Springs Intermittent Stream Perennial Stream

Karst Features

Rapid City Limits

Black Hills Nat. Forest Boundary

Contact Solid where location certain; dashed where approximately located. Fault Solid where location certain; dashed where approximately located; queried where probable. Bar and ball on downthrown side. 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

> Monocline - Synclinal bend Axis located on steepest part of structure.

> Solid where location certain; dashed where

Pennsylvanian

Quaternary Quaternary

Geologic Units Floodplain Surficial Deposits Includes alluvium (Qal), alluvial fan deposits (Qaf) and terrace deposits (Qt). Increased potential for full saturation. Other Surficial Deposits
Includes landslide (QI), gravel deposits (Tg), and terrace deposits (Qto, Qts). Decreased potential for full saturation.

Unconformity Minnelusa Formation - Recharge Area Beige, white, and gray colored unit dominanted carbonates and anhydrite with an upper sandstone unit.

Minnelusa Formation Absent