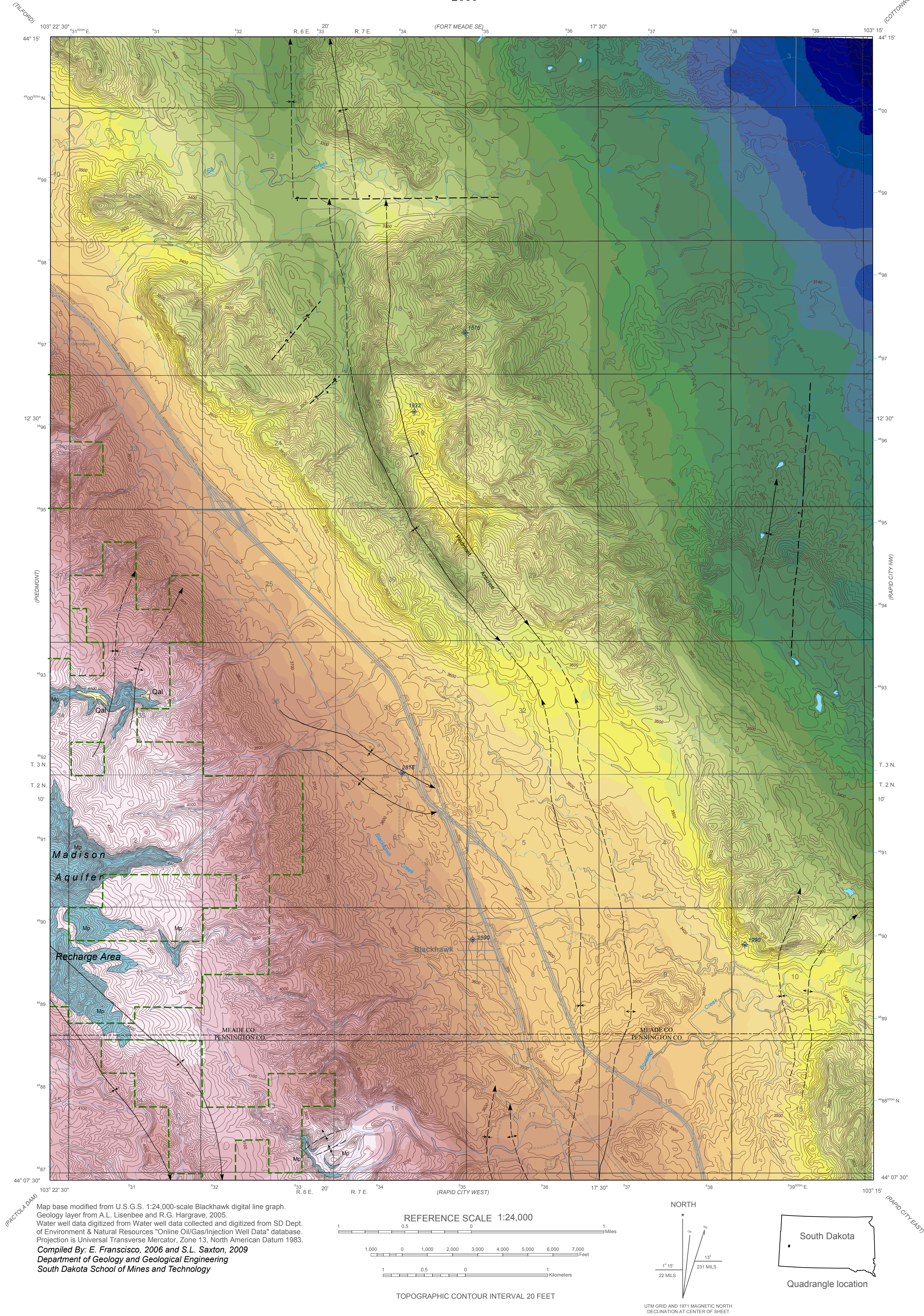


Depth to Top of Pahasapa Limestone (Madison Aquifer), Blackhawk Quadrangle

By
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Depth to Pahasapa Formation In Feet below Land Surface

0 - 100	1,101 - 1,200	2,201 - 2,300
101 - 200	1,201 - 1,300	2,301 - 2,400
201 - 300	1,301 - 1,400	2,401 - 2,500
301 - 400	1,401 - 1,500	2,501 - 2,600
401 - 500	1,501 - 1,600	2,601 - 2,700
501 - 600	1,601 - 1,700	2,701 - 2,800
601 - 700	1,701 - 1,800	2,801 - 2,900
701 - 800	1,801 - 1,900	2,901 - 3,000
801 - 900	1,901 - 2,000	3,001 - 3,100
901 - 1,000	2,001 - 2,100	3,101 - 3,200
1,001 - 1,100	2,101 - 2,200	3,201 - 3,300

Depths are approximate; actual depths could vary by 100 feet or more.

EXPLANATION

Wells penetrating Madison aquifer Number indicates elevation of top of Pahasapa Lm., in feet	Contact Solid where location certain; dashed where approximately located
Trail	Fault Solid where location certain; dashed where approximately located. Bar and ball on downthrown side
Unimproved Road	Anticline Showing crestline and direction of plunge. Solid where location certain; dashed where approximately located
Paved Road	Syncline Showing troughline and direction of plunge. Solid where location certain; dashed where approximately located
Highway	Monocline - Anticlinal bend Axis located on steepest part of structure. Solid where location certain; dashed where approximately located
Interstate	Monocline - Synclinal bend Axis located on steepest part of structure. Solid where location certain; dashed where approximately located
Railroad	
Lake	
Intermittent Stream	
Perennial Stream	

Geologic Units

Quaternary	Qal Alluvium Unconsolidated to loosely consolidated, clasts to boulder-size; deposited in present-day drainages
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

Unconformity