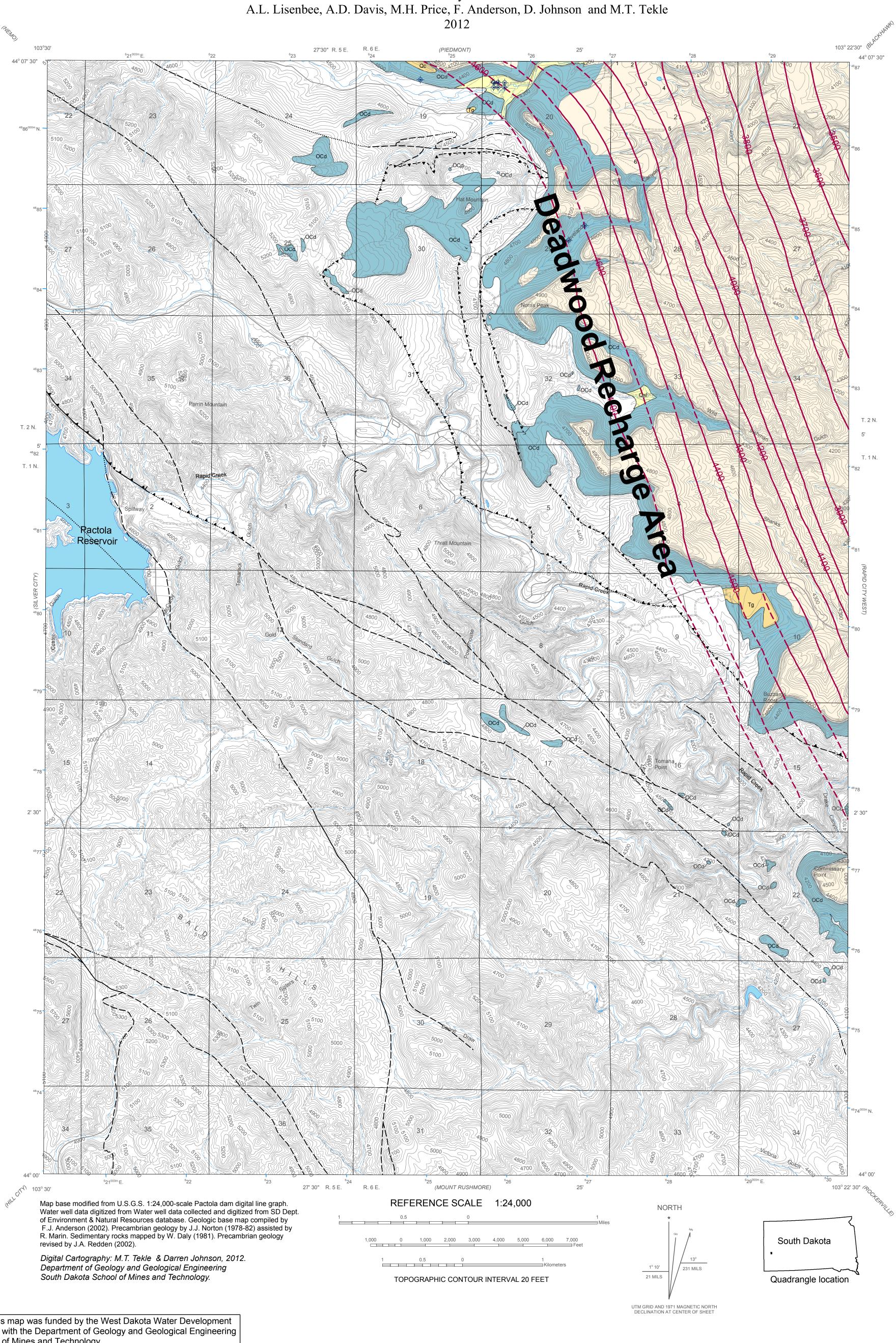
# WEST DAKOTA Development District

## Structural Contour Map, Top of the Deadwood Formation, Pactola Dam Quadrangle





The preparation of this map was funded by the West Dakota Water Development District in association with the Department of Geology and Geological Engineering South Dakota School of Mines and Technology.

#### **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 Deadwood Formation

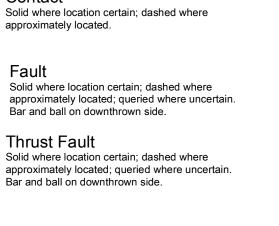
### **EXPLANATION** ── Water wells penetrating Deadwood aquifer

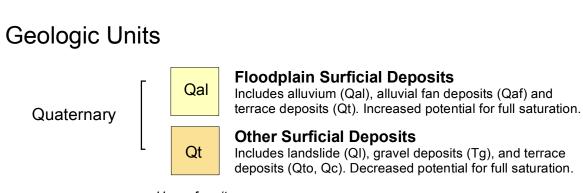
Intermittent Stream

Perennial Stream

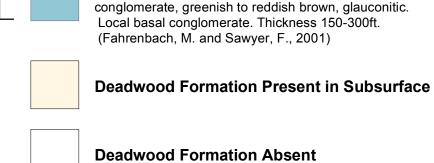


#### Contact Solid where location certain; dashed where approximately located. Solid where location certain; dashed where approximately located; queried where uncertain. Bar and ball on downthrown side.





Qualemary			
•		Qt	Other Surficial Deposits Includes landslide (QI), gravel deposits (Tg), and tel deposits (Qto, Qc). Decreased potential for full satu
	Ur	nconform	ity
Ordovician		OCd	<b>Deadwood Formation - Recharge Area</b> Sandstone, shale, limestone, and intraformational
Cambrian	L		conglomerate, greenish to reddish brown, glauconit Local basal conglomerate. Thickness 150-300ft.
			(Fahrenbach, M. and Sawyer, F., 2001)



Structural Contour Interval 100 feet