



**2017 AIPG, South Dakota Section,
boat-based field trip
along the shores of Lewis and Clark Lake
near Yankton, South Dakota**

August 19, 2017

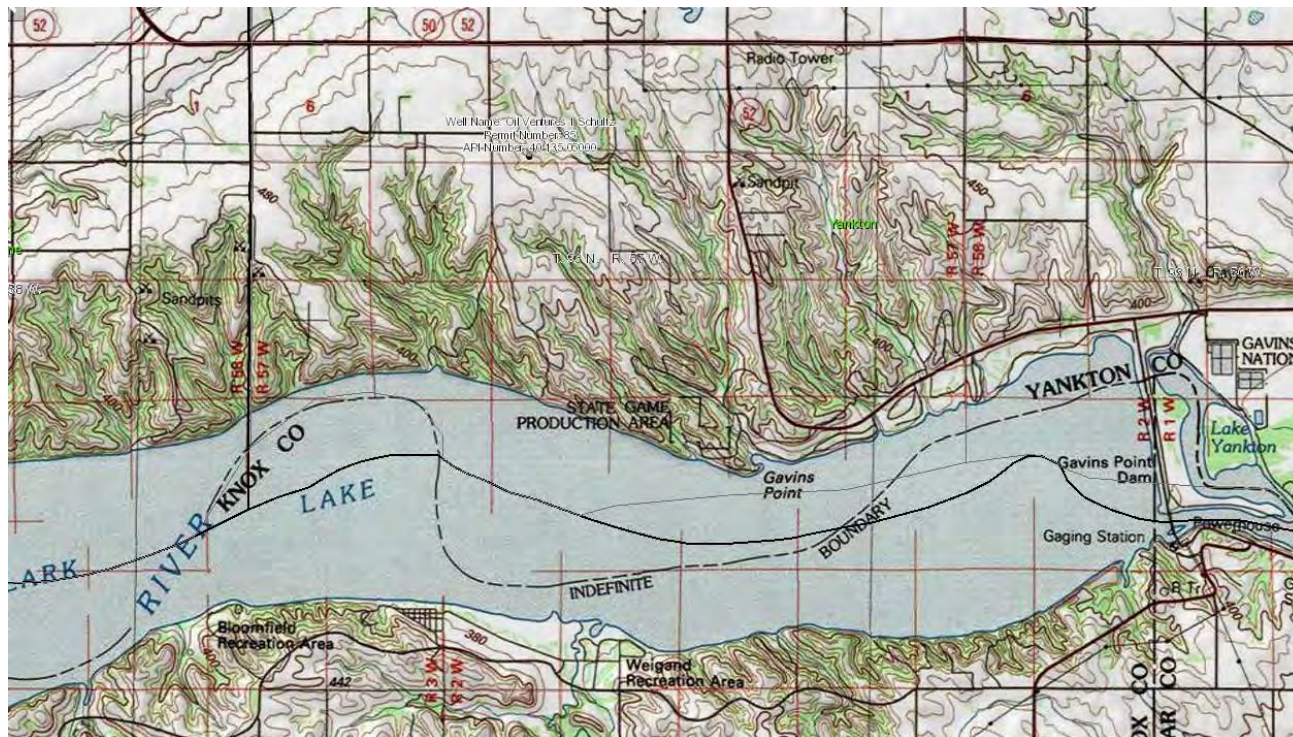
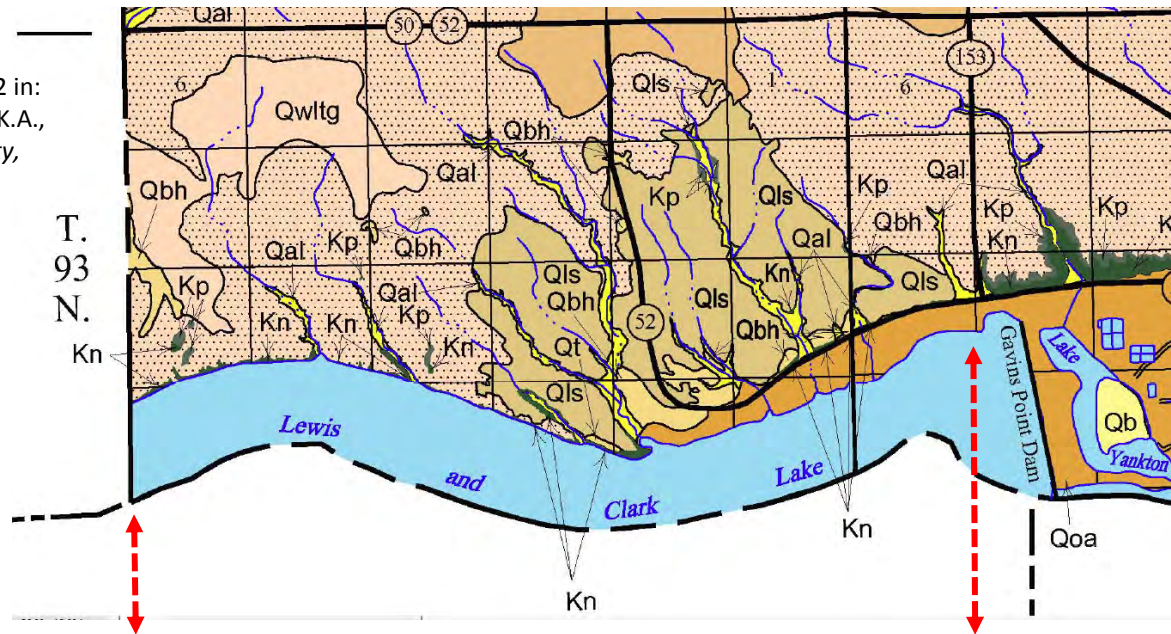


**Field trip
location**

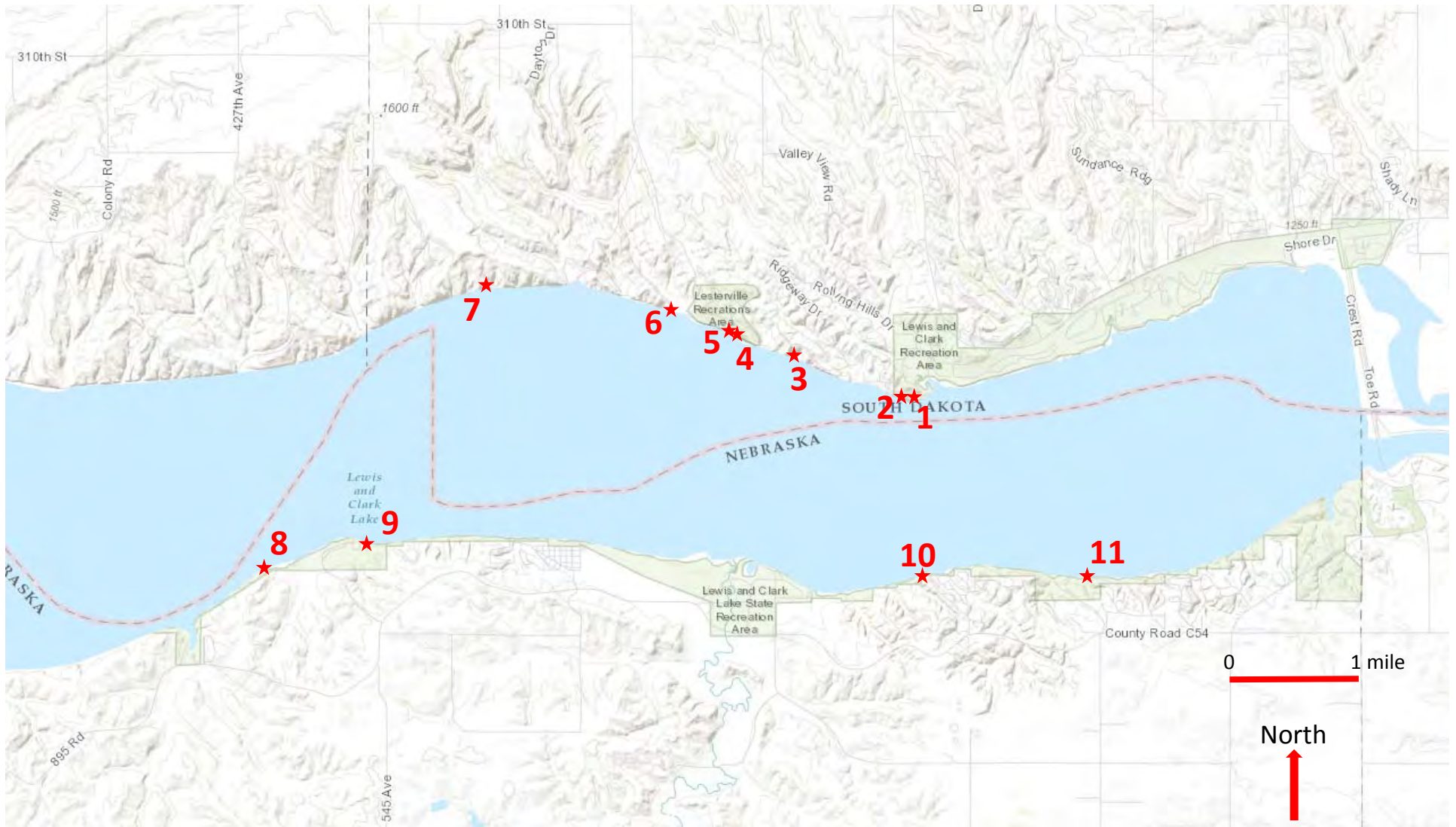
Geologic map taken from Plate 2 in:
Johnson, G.D., and McCormick, K.A.,
2005, *Geology of Yankton County*,
South Dakota: South Dakota
Geological Survey Bulletin 34.

0 1 mile

North



Outcrop location map



Numbers on the map correspond to numbers in the upper right hand corner of photos.



Camera position

Latitude

Longitude

42.855914

-97.552453



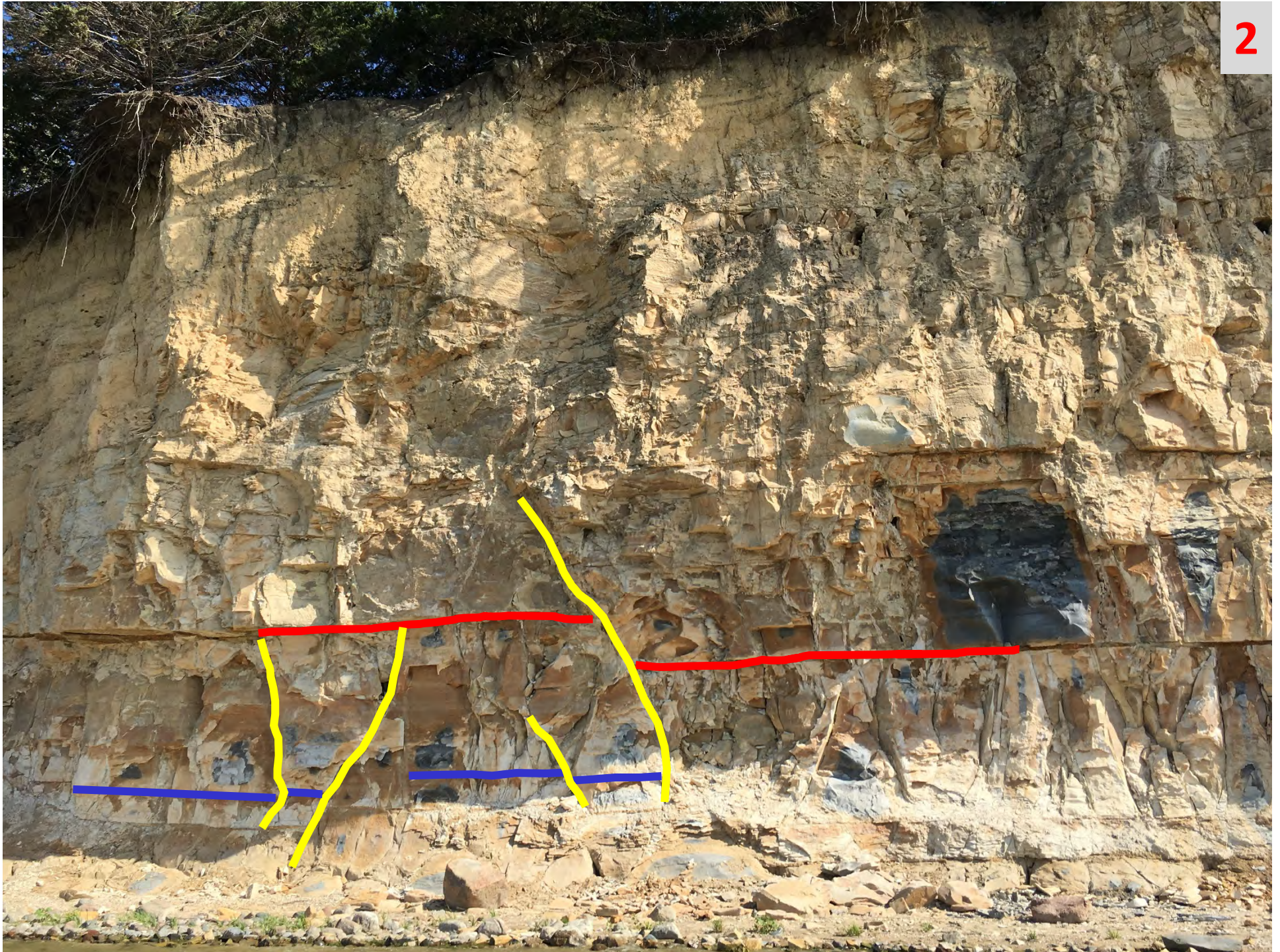
**Camera position**

Latitude

Longitude

42.856219

-97.554419





Camera position

Latitude

Longitude

42.859639

-97.568589

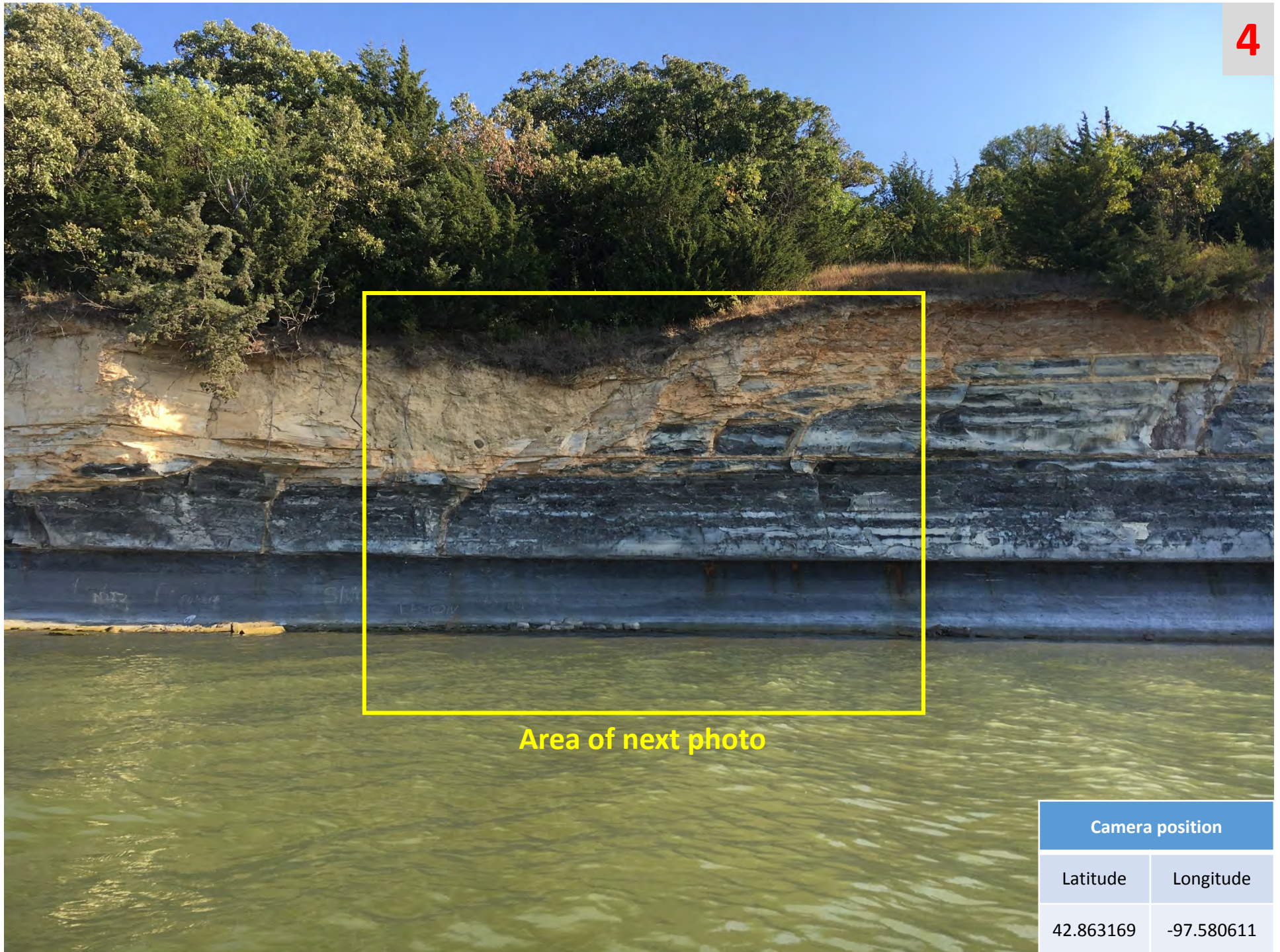
**Camera position**

Latitude

Longitude

42.859658

-97.568511



Area of next photo

Camera position	
Latitude	Longitude
42.863169	-97.580611

4

Quaternary
sediments

Niobrara
Formation

Glacial erratics

Camera position

Latitude

Longitude

42.863206

-97.580619



Glacial erratics



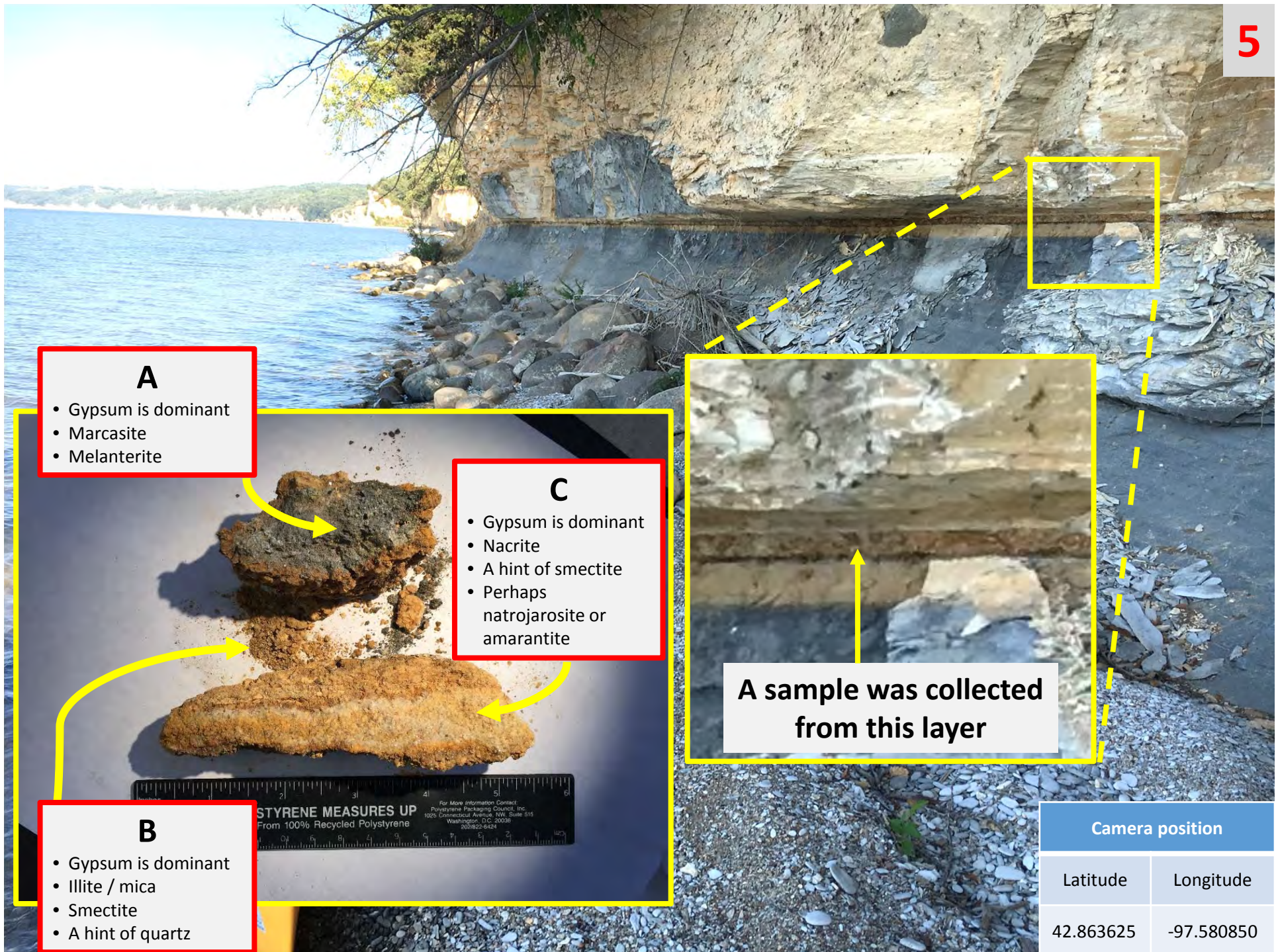
Camera position

Latitude

Longitude

42.863625

-97.580850





Camera position

Latitude

Longitude

42.864833

-97.588189



Camera position

Latitude

Longitude

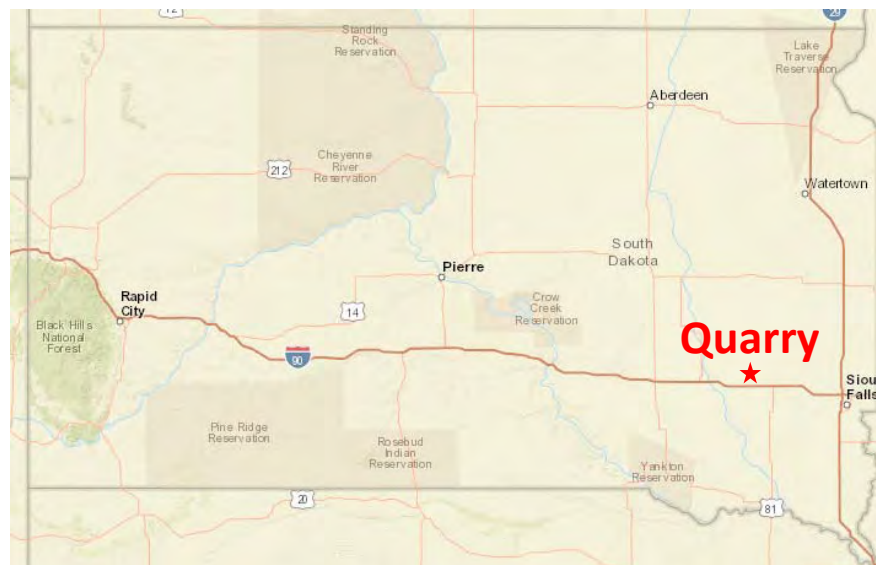
42.867592

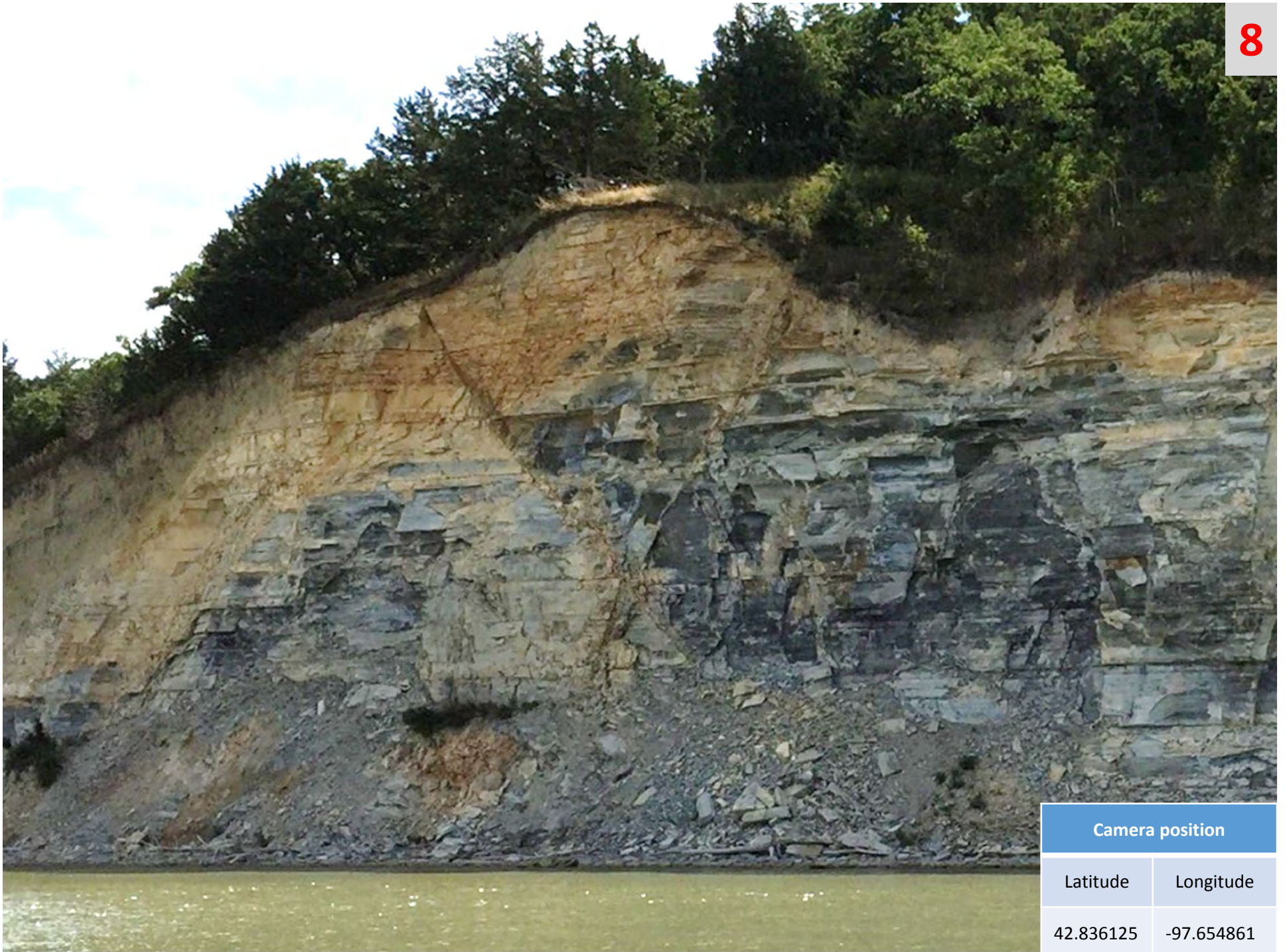
-97.616547



Evidence of regional tectonics in the Sioux Quartzite in a quarry near Spencer

This picture is provided to compare
with outcrops 8 and 11.



**Camera position**

Latitude

Longitude

42.836125

-97.654861



Camera position	
Latitude	Longitude
42.842411	-97.635239



Camera position

Latitude

Longitude

42.837094

-97.554200



Camera position

Latitude

Longitude

42.837069

-97.525222