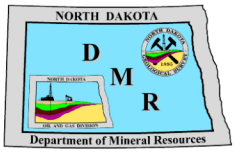




Offshore Glaciolacustrine Deposits of Glacial Lake Agassiz: The Brenna Formation in Grand Forks County, North Dakota



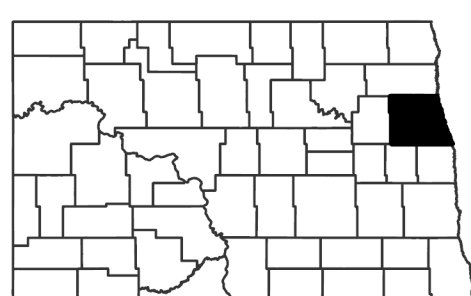
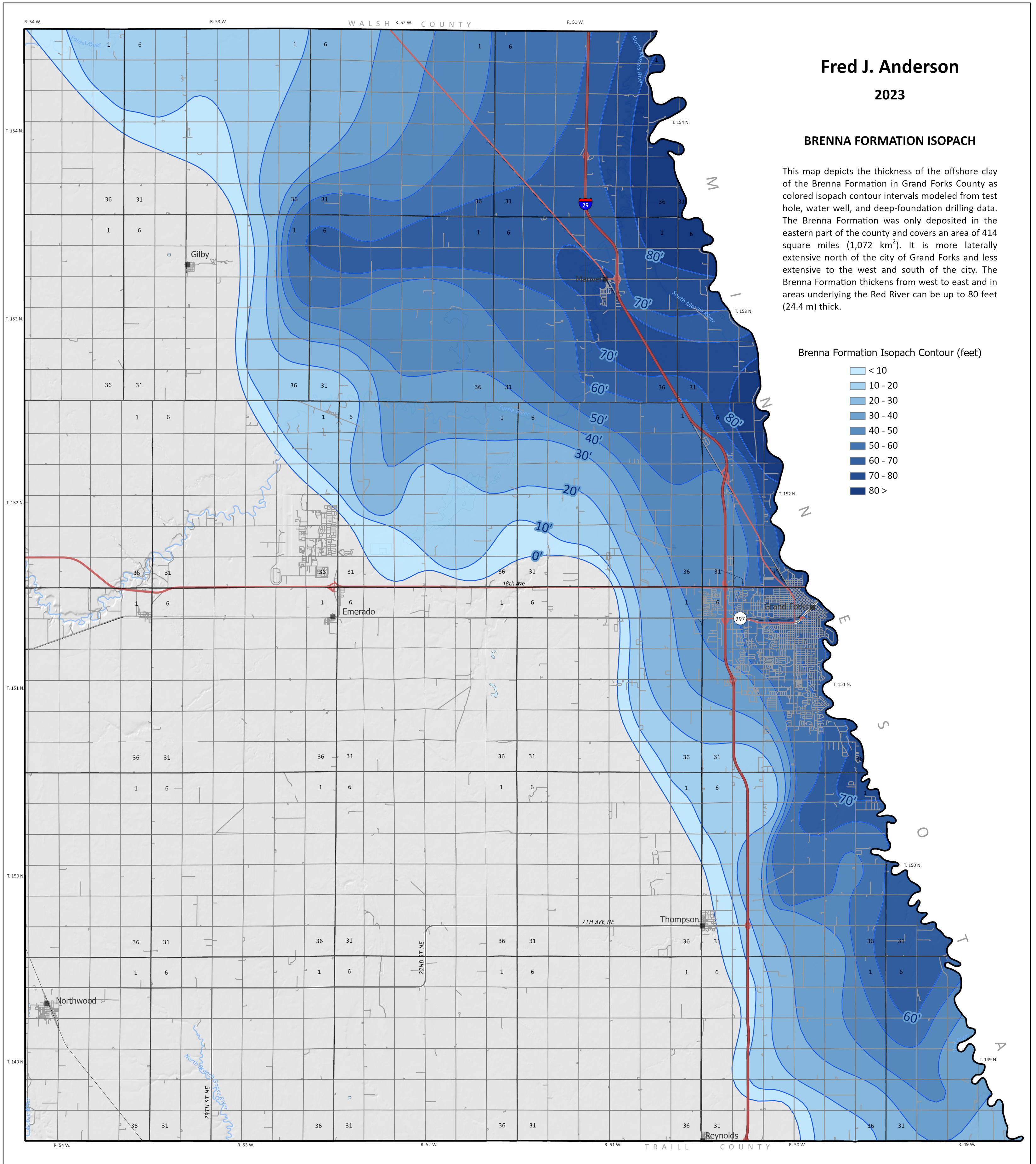
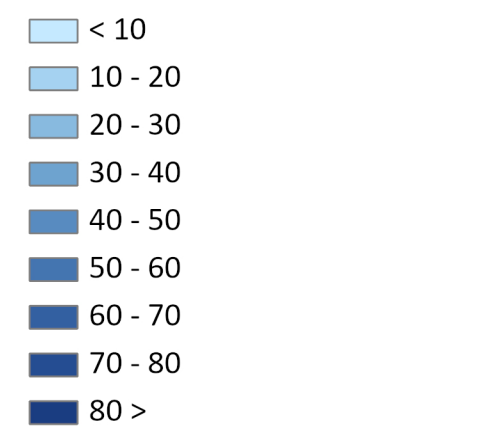
Fred J. Anderson

2023

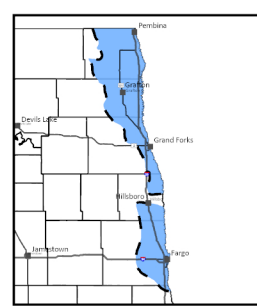
BRENNA FORMATION ISOPACH

This map depicts the thickness of the offshore clay of the Brenna Formation in Grand Forks County as colored isopach contour intervals modeled from test hole, water well, and deep-foundation drilling data. The Brenna Formation was only deposited in the eastern part of the county and covers an area of 414 square miles (1,072 km²). It is more laterally extensive north of the city of Grand Forks and less extensive to the west and south of the city. The Brenna Formation thickens from west to east and in areas underlying the Red River can be up to 80 feet (24.4 m) thick.

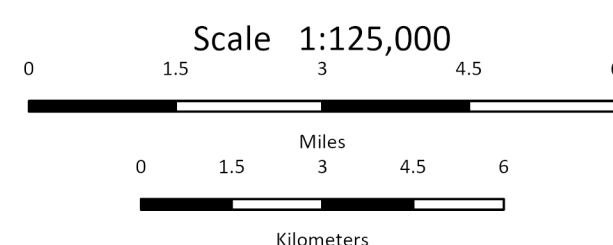
Brenna Formation Isopach Contour (feet)



Grand Forks County, North Dakota



Location and extent of the offshore lake clays of the Brenna Formation in the Red River Valley of North Dakota.



Mercator Projection
Standard Parallel 47°41'15"N
North American 1983 Datum
Central Meridian 97°26'15"W

