



North Dakota Geological Survey
Geologic Investigation No. 284
2025
Plate No. 2

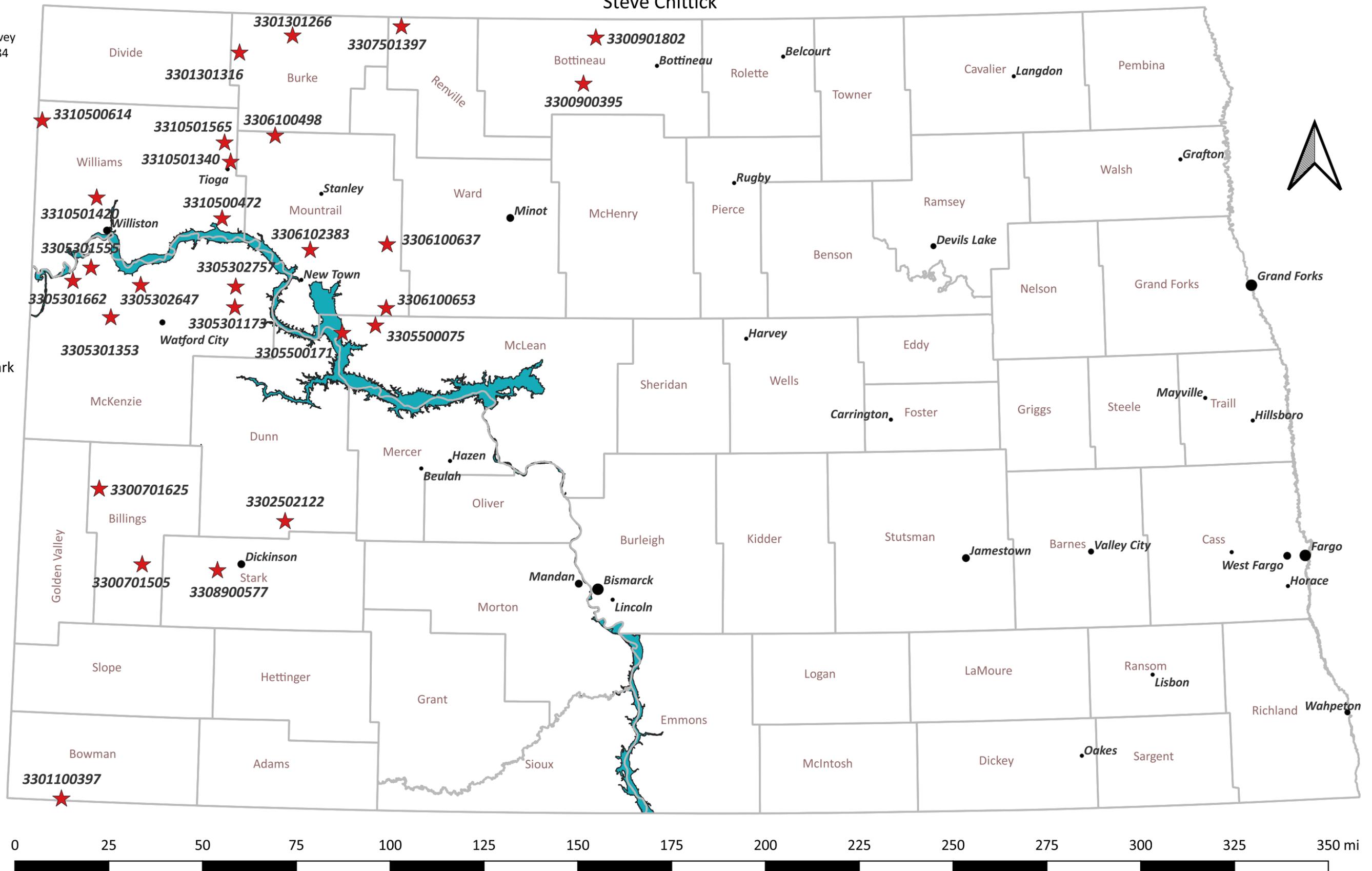
Static Temperature Wells UWI/API No.

Edward C. Murphy, State Geologist
Nathan D. Anderson, Director Dept. of Mineral Resources

Williston Basin, North Dakota

Steve Chittick

- ★ Static Temp Wells
 - Missouri River
 - Roosevelt Nat'l Park
 - ND Counties
- ND Cities (2010 Pop.)
- 1500 - 5000
 - 5000 - 10000
 - 10000 - 50000
 - 50000 - 126000





Mowry Static Formation Top Temperatures in °F

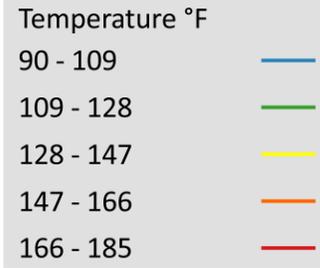
Edward C. Murphy, State Geologist
Nathan D. Anderson, Director Dept. of Mineral Resources

Williston Basin, North Dakota

Steve Chittick

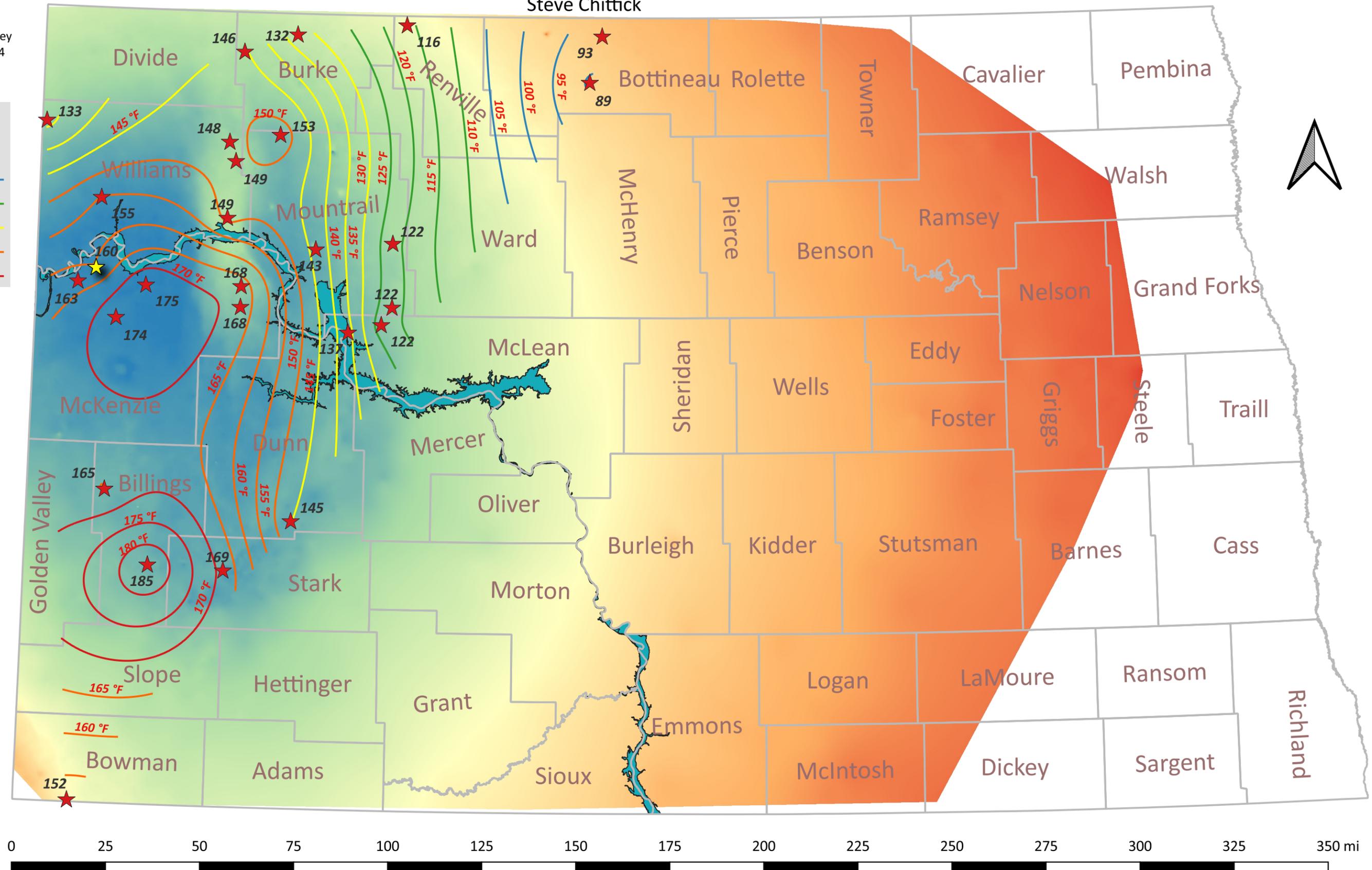
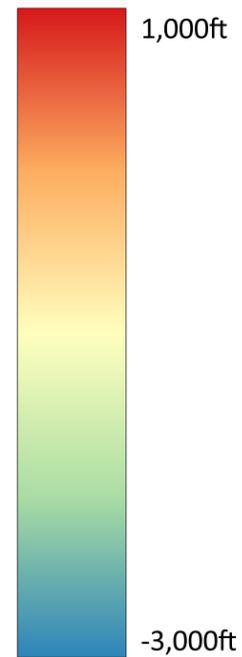
North Dakota Geological Survey
Geologic Investigation No. 284
2025
Plate No. 5

Mowry Temps



- ★ Static Form. Temp
- ★ Proj. Form. Temp
- Missouri River
- ND Counties

Mowry Structure
TVDSS
1,000ft





Inyan Kara Static Formation Top Temperatures in °F

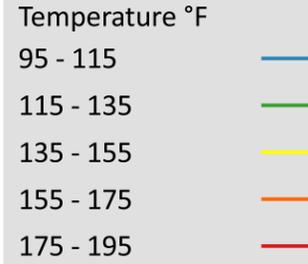
Edward C. Murphy, State Geologist
Nathan D. Anderson, Director Dept. of Mineral Resources

Williston Basin, North Dakota

Steve Chittick

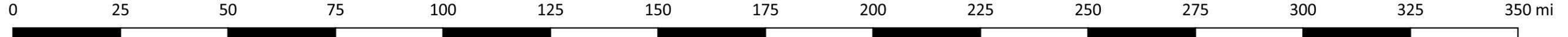
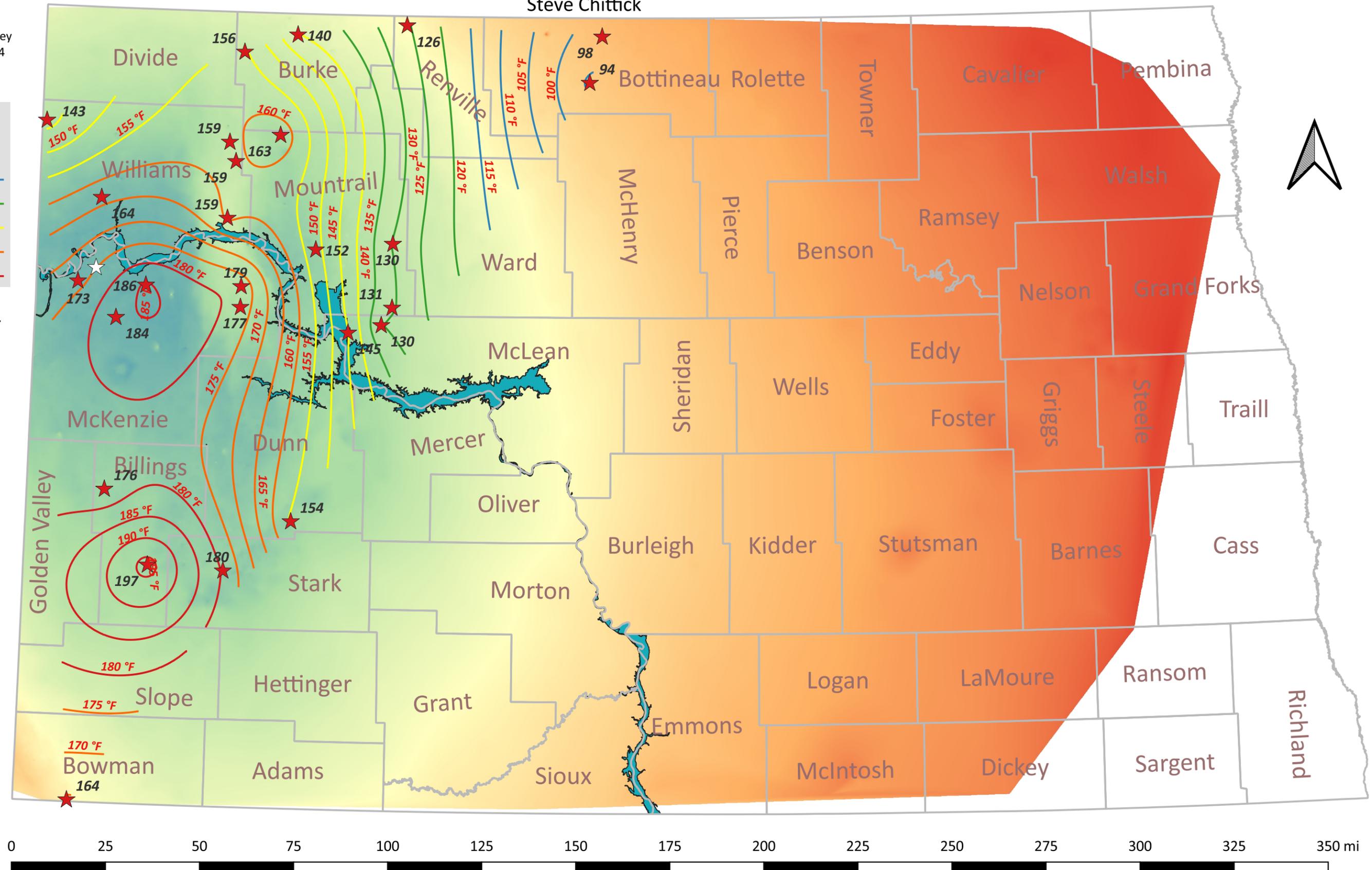
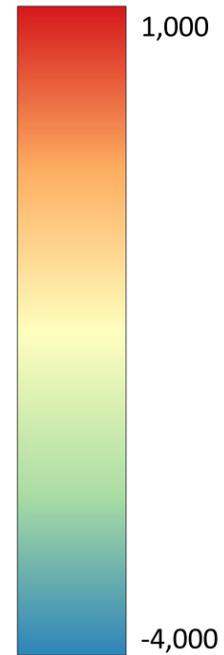
North Dakota Geological Survey
Geologic Investigation No. 284
2025
Plate No. 6

Inyan Kara Temps



- ★ Static Form. Temp.
- ☆ No Form. Temp.
- Missouri River
- ND Counties

Inyan Kara Structure TVDSS



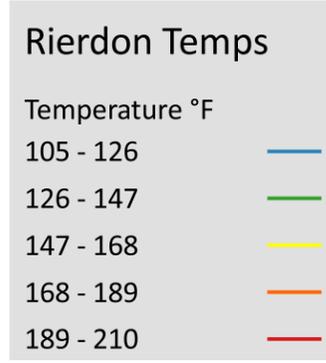


North Dakota Geological Survey
Geologic Investigation No. 284
2025
Plate No. 8

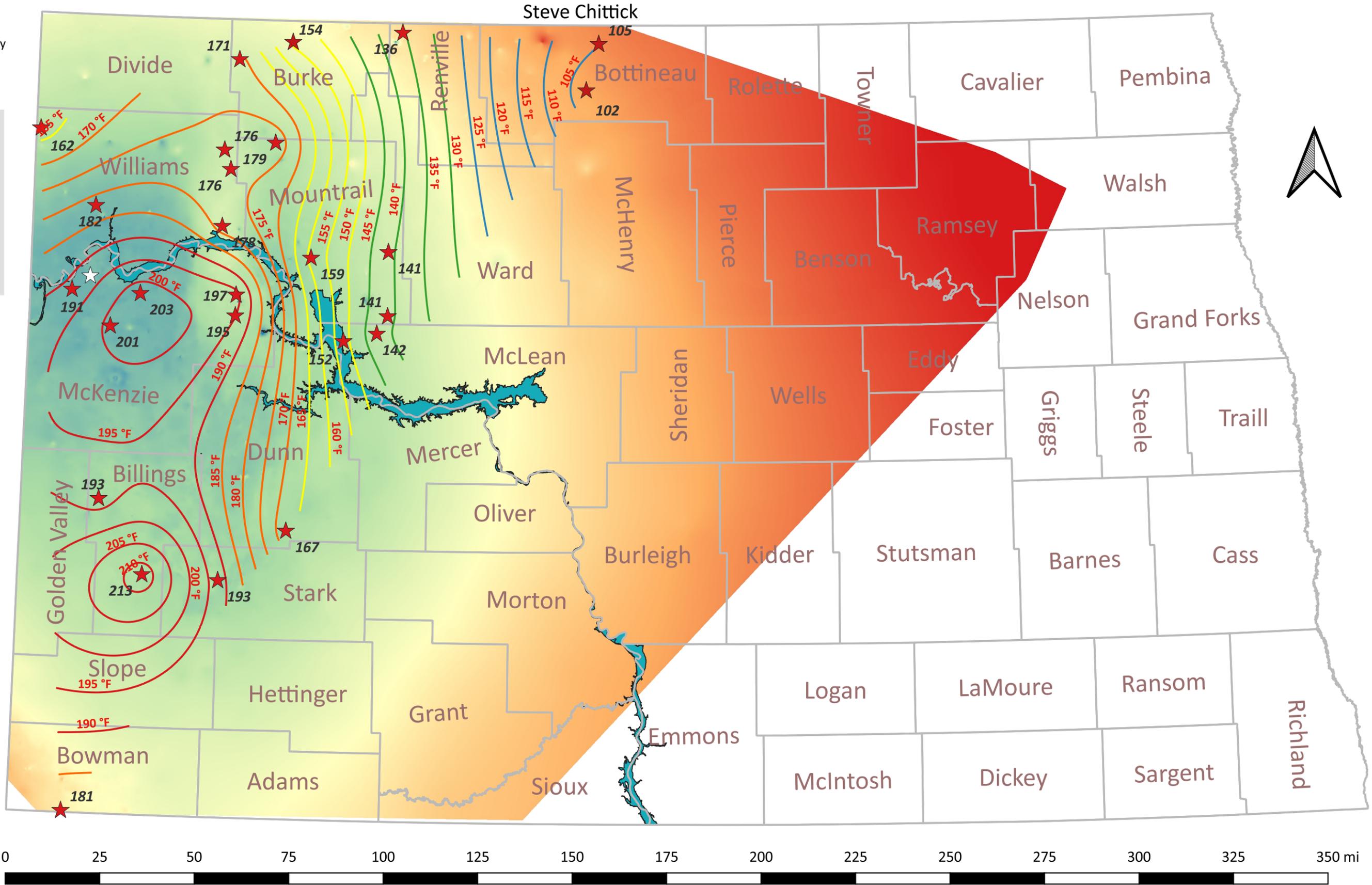
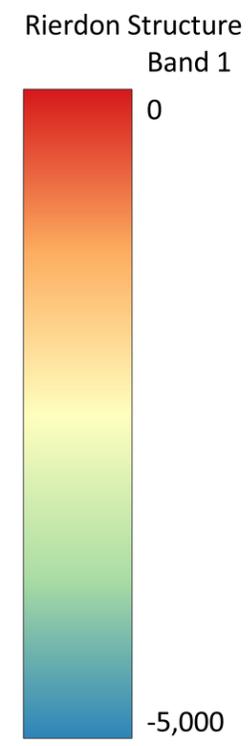
Rierdon Static Formation Top Temperatures in °F

Williston Basin, North Dakota

Edward C. Murphy, State Geologist
Nathan D. Anderson, Director Dept. of Mineral Resources



- ★ Static Form. Temp.
- ☆ No Form. Temp.
- Missouri River
- ND Counties





Madison Static Formation Top Temperatures in °F

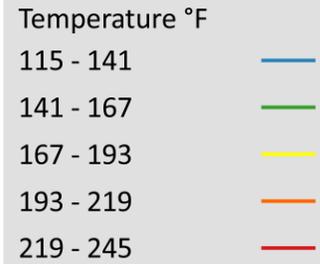
Edward C. Murphy, State Geologist
Nathan D. Anderson, Director Dept. of Mineral Resources

Williston Basin, North Dakota

Steve Chittick

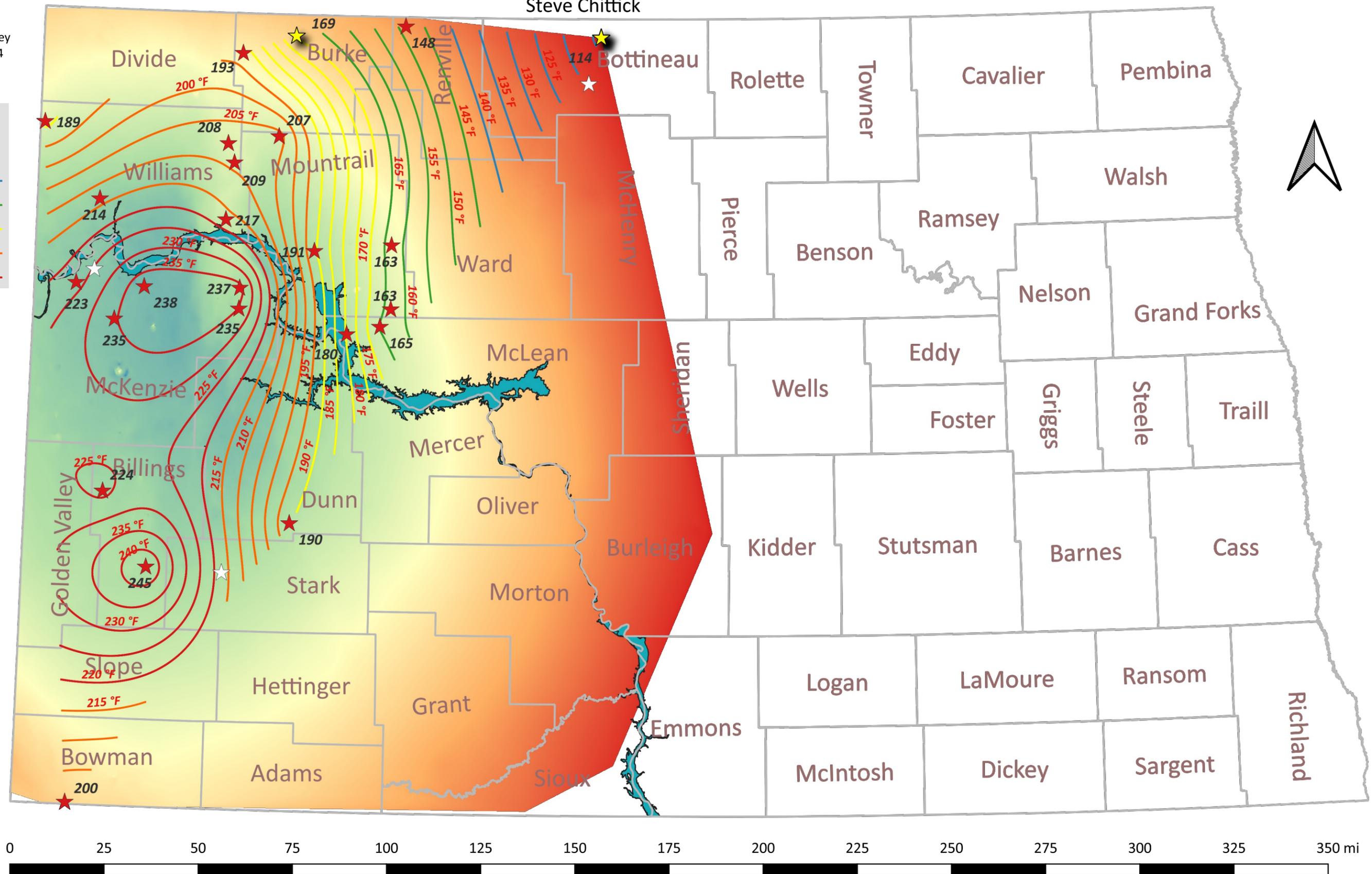
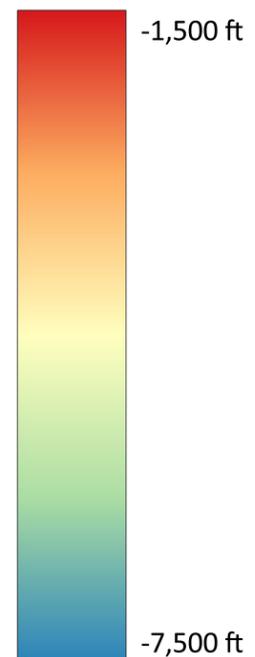
North Dakota Geological Survey
Geologic Investigation No. 284
2025
Plate No. 11

Madison Temps



- ★ Static Form. Temp.
- ☆ No Form. Temp.
- ★ Proj. Temp
- Missouri River
- ND Counties

Madison Structure TVDSS





Bakken Static Formation Top Temperatures in °F

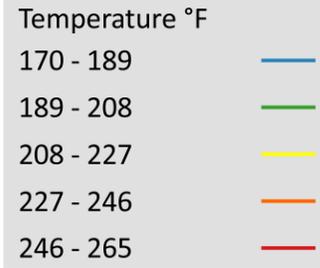
Edward C. Murphy, State Geologist
Nathan D. Anderson, Director Dept. of Mineral Resources

Williston Basin, North Dakota

Steve Chittick

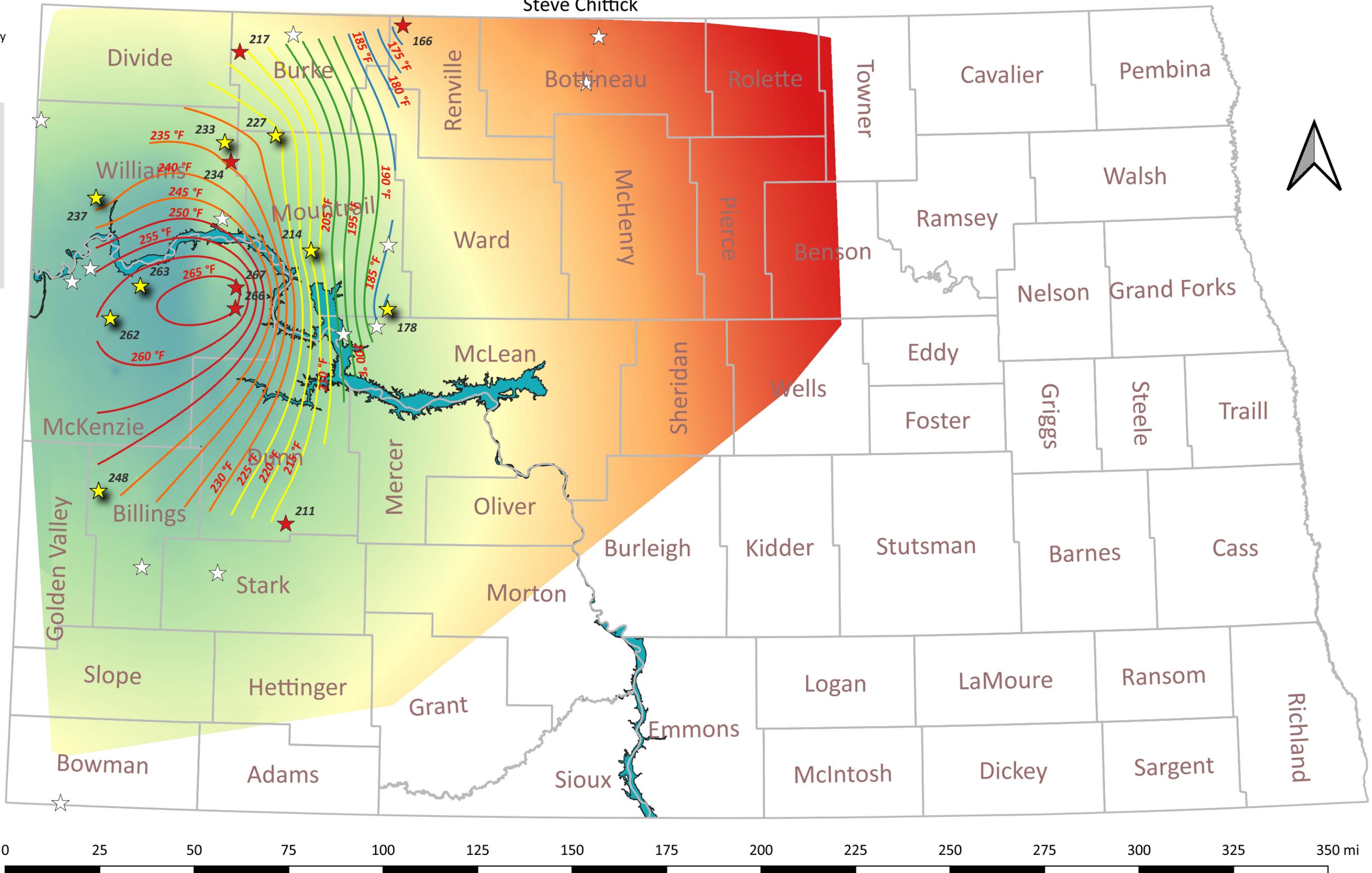
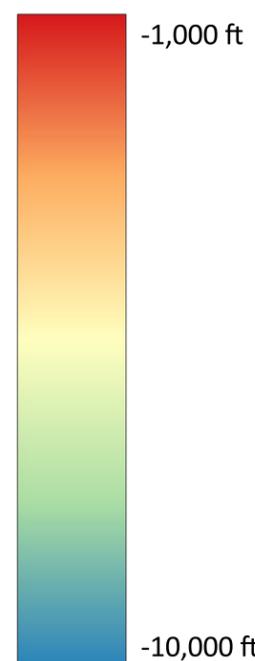
North Dakota Geological Survey
Geologic Investigation No. 284
2025
Plate No. 12

Bakken Temps



- ★ Static Form. Temp.
- ☆ No Form. Temp.
- ★ Proj. Form. Temp.
- Missouri River
- ND Counties

Bakken Structure TVDSS





Madison Static Temperatures in °F on Aeromag

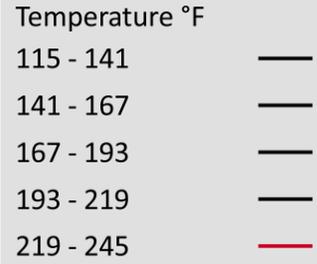
Edward C. Murphy, State Geologist
Nathan D. Anderson, Director Dept. of Mineral Resources

Williston Basin, North Dakota

Steve Chittick

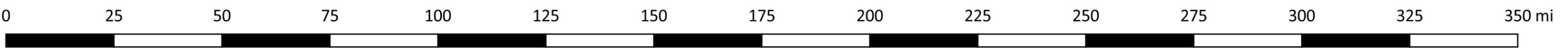
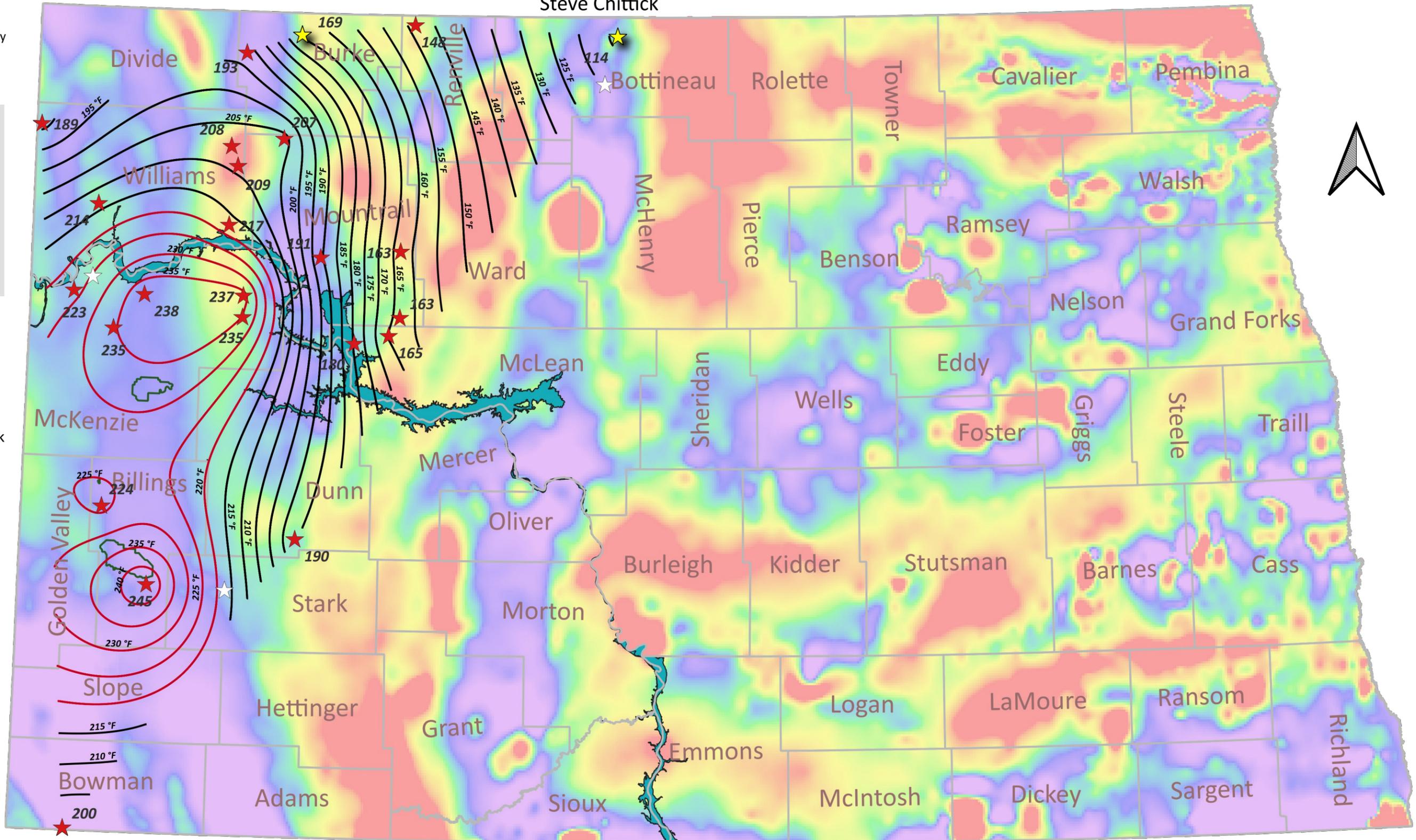
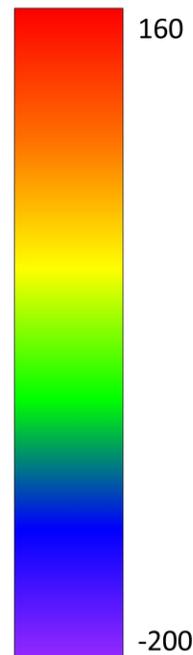
North Dakota Geological Survey
Geologic Investigation No. 284
2025
Plate No. 13

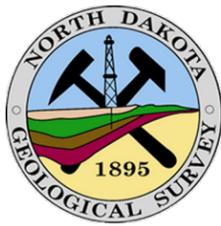
Madison Temps



- ★ Static Form. Temp.
- ☆ No Form. Temp.
- ★ Proj. Form Temp.
- Missouri River
- Roosevelt Nat'l Park
- ND Counties

ND Aeromag
nT





Madison Static Temperatures in °F on Bouguer Gravity

Edward C. Murphy, State Geologist
Nathan D. Anderson, Director Dept. of Mineral Resources

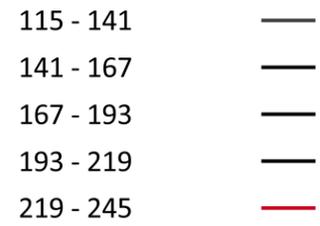
Williston Basin, North Dakota

Steve Chittick

North Dakota Geological Survey
Geologic Investigation No. 284
2025
Plate No. 14

Madison Temps

Temperature °F



Static Temp Well

- ★ Static Form. Temp.
- ☆ No Form. Temp.
- ★ Proj. Form. Temp.
- Missouri River
- ND Counties

Bouguer Anomaly
mGals

