**INTRODUCTION TO SURFICIAL GEOLOGIC MAP OF THE VINTON 7.5’ QUADRANGLE, BENTON COUNTY, IOWA**

The Vinton Quadrangle is located in central Iowa on the Iowan Surface landform region, which is comprised of glacial deposits and outwash. This region is comprised of glacial deposits and outwash. The Peoria Formation is found across the mapping area, and it is overlain by a thin veneer of glacial sediments. The Peoria Formation is typically characterized by a red-brown sandy clay that is rich in organic material. The overlying sediment is typically a brown clay that is rich in organic material. The mapping area is situated on the Iowan Surface landform region, which is characterized by a series of low terraces and valleys that have formed as a result of glacial erosion.

**OTHER FEATURES**

- **Late Phase High Terrace**: Generally 7 to 15 m above sea level, this terrace marks the highest point at which glacial deposits were deposited. It is characterized by a thin veneer of glacial sediments and a thin veneer of glacial sediments.
- **Middle Wisconsinan Terraces**: Generally 2 to 8 m above sea level, these terraces are composed of glacial sediments and are characterized by a thin veneer of glacial sediments.
- **Other Mapping Units**: These units include various glacial sediments and outwash deposits.

**REFERENCES**

- Ruhe, R.V., for assistance with core description and for numerous valuable discussions regarding the geology of the Iowan Erosion Surface.
- SGS, D.R., Bettis, E.A., Roberts, H., for assistance with core description and for numerous valuable discussions regarding the geology of the Iowan Erosion Surface.
- A. Educational: GP-I
- Iowa Geological Survey digital cartographic file Vinton_SurficialGeology.mxd, version 6/30/19 (ArcGIS 10.5)
- Hunter, D.M., 2015; Kerr et al., 2019