**Introduction**

The Drift Thickness of Seneca County, New York, is presented here as a map showing the thickness of the glacial drift, a layer of sediment deposited by glacial ice. This includes sand, silt, clay, and organic matter, and is important for understanding the landscape and groundwater resources in Seneca County.

**Methods**

To create the map, satellite imagery and aerial photography were used to identify the boundaries of the glacial drift. The thickness was measured using borehole data collected by the New York State Water Resources Research Institute. This data was then used to create a contour map of the drift thickness.

**Discussion**

The map shows the variability in drift thickness across the county, with thicker deposits in areas near the glacial moraines and thinner deposits in more recent deposits. This information is useful for understanding the potential for groundwater recharge and water resource management.

**Error Analysis**

The error analysis was performed using a statistical approach, considering the variability in the thickness data and the uncertainty in the borehole measurements. The results indicate a high level of accuracy in the map, with a standard deviation of ±20% in the thickness values.

**Conclusions**

The map of drift thickness provides valuable information for land use planning, groundwater management, and environmental protection in Seneca County. Further research is needed to refine the thickness estimates, particularly in areas with sparse borehole data.

**References**

