

## **Geology of the Selden Campus of Suffolk county Community College**

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Brookhaven town has a wealth of glacial features deposited during the last glacial maximum roughly 20,000 years ago. From the Ronkonkoma and Harbor Hill Moraines to countless kettle holes, tunnel valleys, melt water channels, and outwash plains this area of Long Island has a wealth of glacial geology

Recent digitization of county data has allowed for the development of a Digital Elevation Model that shows an even greater level of detail than previous models. This model along with “sandbox” modeling and 3D visualization techniques may shed light on the development of some of the more peculiar areas of this region, such as the Selden hill.

This poster will focus on the central Brookhaven villages of Selden and Farmingville and more specifically on the Selden hill that comprises the Ammerman campus of Suffolk County Community College. Previously this features was thought to be part of the contiguous Ronkonkoma moraine, however, a more detailed analysis of the structure suggests deposition after the Ronkonkoma event and may reveal the hill-hole pair structure of many Ronkonkoma moraine features.

Links:

- [DEM of County map J-16 \(Selden\)](#)
- [Glacial History of the Ammerman Campus](#)