Introduction

The Shohola quadrangle was selected in Sep 2018 as part of the ongoing National Park Service project to inventory the geology of all the state parks within the state of New York. The project is being conducted by the New York State Museum (NYSM) in cooperation with the New York State Geological Survey (NYSGS) to map all the state parks in the state with high standards of accuracy and consistency. Access to the state parks is free and open to the public. A menu of state parks can be found at the state parks website: https://www.nysparks.com.

The quadrangle is located in Sullivan County, New York, which is located in the Catskill mountains physiographic province. The quadrangle is approximately 30 miles north of New York City and is bounded by the state border with Pennsylvania to the north, the state border with New Jersey to the south, the Delaware River to the west, and the Susquehanna River to the east. The quadrangle covers an area of approximately 100 square miles and includes the towns of Bethel, Shohola, and Barryville.

Methods

Mapping efforts began in 2018. All mapping was conducted on-foot using topographic maps and a compass. Field notes were taken on a map grid with a compass for location, type of lithology, and thickness. The mapping was conducted during the summer months of 2018 and 2019.

The quadrangle was divided into four quadrants: north, south, east, and west. Each quadrant was mapped individually and then combined to create the complete quadrangle map. The mapping was conducted on-foot using topographic maps and a compass. Field notes were taken on a map grid with a compass for location, type of lithology, and thickness. The mapping was conducted during the summer months of 2018 and 2019.

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Shohola Quadrangle - Barryville Borings

The Shohola quadrangle is situated at the southern edge of the Catskill mountains forming the New York/Pennsylvania border. The region is characterized by a landscape that features flood plain and lowland deposits of Late Wisconsinan age. The flood plain deposits are overlain by glacial deposits of Pleistocene age. The flood plain deposits are characterized by low relief and are generally barren of vegetation. The glacial deposits are characterized by a landscape that features small ridges and valleys.

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