INTRODUCTION

The Gallupville 7.5-Minute Quadrangle was mapped as part of the 2019 National Cooperative Geologic Mapping Program (STATEMAP) funded by the U.S. Geological Survey. The quadrangle encompasses the Census Bureau-defined Gallupville, New York, 7.5-minute quadrangle and the eastern half of the State Highway 443 quadrangle. The current map (2019 STATEMAP release) is based on a combination of field mapping and analysis of the existing surficial geology map by Rickard and Fisher (1970). The New York State Geological Survey (NYSGS) has been mapping the surficial geology of New York State since 1967, primarily as part of the State Geological Survey (STATEMAP) program. The surficial geology map of New York State is a compilation of geological, hydrological, and topographic data that is used to support various land-use decisions, including land conservation, urban planning, and infrastructure development.

The surficial geology of the region is composed of glacial drift and till, which dominate the landscape. The glacial drift consists of fine-grained deposits such as sand and silt, and the till consists of coarser materials such as gravel and cobbles. The glacial deposits are often sheet-like, while the till is more distinct and can be easily identified in the field. The quadrangle is located in the extreme northeastern edge of the Allegheny Plateau and the northern extent of the Catskill Mountains.

The physiographic setting of the quadrangle is the extreme northeastern edge of the Allegheny Plateau and the northern extent of the Catskill Mountains. The quadrangle is characterized by a landscape of gently rolling hills and valleys, with small streams and ponds scattered throughout.

The surficial geology map of New York State is a valuable resource for understanding the geology of the state and its implications for land-use planning. The map provides a detailed view of the geology and can be used to identify areas that may be prone to certain types of soil erosion or flooding.

SURFACE GEOLOGY OF THE GALLUPVILLE 7.5-MINUTE QUADRANGLE, ALBANY, SCHENECTADY AND SCHOHARIE COUNTIES, NEW YORK

prepared by
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