



EXPLANATION

Recent

- Qal Alluvium
Stream and lake deposits of clay, silt, sand, and gravel
- Dwf West Falls Formation
Hatch Shale Member in upper part; medium- to dark-gray silty shale and mudrock with many thin beds of light-gray siltstone, several beds of dark-gray to brownish-black shale, and some calcareous nodules. Rhinestreet Shale Member at the base; very dark gray to black petroliferous shale with some medium-gray shale beds, several septaria, and some calcareous nodules

Upper Devonian

- Dscr Dscra, Cashaqua Shale Member and Rock Stream Siltstone Member; Cashaqua Shale Member is medium- to greenish-gray silty mudrock and shale with argillaceous to silty limestone nodules and nodular limestone layers. Rock Stream Siltstone Member is predominantly medium-gray quartz siltstone with many very silty gray shale and mudrock beds.
- Dsp Pulteney Shale Member; dark-gray shale with many thin beds of black shale and medium-gray siltstone.
- Dsm Middlesex Shale Member; black and brownish-black petroliferous shale

Genesee Formation

- Dgw West River Shale Member; medium dark-gray to dark-gray shale and mudrock with several thin black shale beds, a few very thin gray siltstone beds, and several layers of discoidal limestone nodules.
- Dgb Bluff Point Siltstone Bed in West River Shale Member; a thin, characteristically contorted bedded gray siltstone bed.
- Dgi Ithaca Member; medium-gray quartz siltstone and very fine grained sandstone with gray, very silty shale and mudrock beds.
- Dgp Penn Yan Shale Member; dark-gray shale and mudrock with many layers of calcareous nodules of various sizes, several beds of black shale, and a few thin beds of gray siltstone

Contact
Dashed where approximately located; short dashed where inferred

Inferred fault
U, upthrown side; D, downthrown side

Structure contours
Drawn on the base of the Middlesex Shale Member of the Sonyea Formation; contour interval is 20 feet; datum is mean sea level. Contours are dashed where inferred or where altitude was determined by projections from other contacts

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Dry hole
Figure is well number shown in table 1

Base by Army Map Service. Edited and published by U.S. Geological Survey, 1942

GEOLOGIC AND STRUCTURE CONTOUR MAP OF THE KEUKA PARK QUADRANGLE, NEW YORK

Geology by M. J. Bergin, 1958-59

SCALE 1:24,000

CONTOUR INTERVAL 20 FEET

