

# Explanation

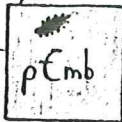
## Rock Units

### Intrusive Rocks

(relative ages unknown)



St. Johns Ledges Pink Microcline Gneiss  
Massive to moderately well foliated, fine to coarse grained, pink muscovite-biotite-microcline-quartz-plagioclase gneiss locally containing magnetite.



Macedonia Brook Gneiss  
Well foliated, light-gray to gray-weathering, medium-grained, light-gray, biotite-quartz-plagioclase gneiss.



Undifferentiated Granitic Rocks



Sharon Mountain Gneiss  
Massive to well foliated, light gray biotite-quartz-plagioclase gneiss with thin, discontinuous quartz-plagioclase layers.

### Autochthonous Rocks



Manhattan Schist  
Member a: Schist

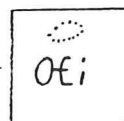
Dark gray to rusty-weathering, well foliated, dark gray to black biotite-quartz-feldspar granulitic schist locally containing muscovite, red biotite and pyrite



Manhattan Schist  
Member a: Marble

Well foliated, tan-weathering, medium to coarse grained, light tan to white calcite marble containing phlogopite and minor diopside; minor thin beds of fine grained light brown feldspathic quartzite.

### Unconformity



Inwood Marble (undivided)

Tan to light-gray weathering, well bedded, light tan, white to gray dolomite marble and calcitic dolomite marble containing quartz masses, muscovite, biotite, phlogopite, diopside, tremolite and pyrite; locally interbedded, thin, light gray quartzite and rare siliceous calc-silicate rock.



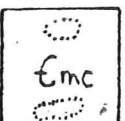
Everett Formation

Well foliated, light to dark gray-weathering, silvery gray to gray and locally light green garnet-staurolite-muscovite-feldspar-quartz schist and phyllite locally containing chlorite



Lowerre Quartzite

Massive, buff to tan-weathering, vitreous quartzite; gray to light brown-



Manhattan Schist  
Member C

Gray, brown to rusty-weathering,

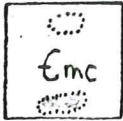
Cambrian

rock.



Lowerre Quartzite

Massive, buff to tan-weathering, vitreous quartzite; gray to light brown-weathering, well bedded, light gray, tan to white feldspathic mica quartzite locally containing tourmaline, magnetite and pyrite.

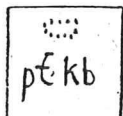


Manhattan Schist  
Member C

Gray, brown to rusty-weathering, well foliated, fine to medium grained, gray muscovite-biotite-quartz-feldspar schistose gneiss locally containing sillimanite, garnet and magnetite; well foliated, fine to coarse grained, light gray to gray sillimanite-garnet-muscovite-biotite-quartz feldspathic schist locally characterized by sillimanite nodules and garnet porphyroblasts; well foliated, slabby, fine to medium grained, black biotite amphibolite. (shown in purple).

Unconformity

North Kent Brook



Interlayered gray to dark gray biotite-hornblende gneiss and hornblende-diopside calc-silicate rock; fine grained, granular, gray garnet-biotite-quartz-plagioclase gneiss with minor, thin quartzite beds; minor green to black anthophyllite-serpentine-talc ultramafic rock (green on map).



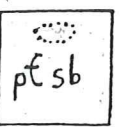
Guinea Road

Well foliated, light gray to light-brown-weathering, light gray biotite-quartz-plagioclase gneiss with minor magnetite, hornblende, garnet, graphite and microcline.



Silver Hill

Gray to light brown-weathering, gray (muscovite)-biotite-quartz-plagioclase gneiss; well foliated, light gray to gray biotite-quartz-plagioclase gneiss; thin layered, fine grained, gray muscovite-biotite-quartz-plagioclase gneiss; gray to rusty-weathering, gray muscovite-biotite-quartz-plagioclase schistose gneiss; dark gray to black biotite amphibolite; rusty-weathering gray to white graphite-biotite-quartz-feldspar gneiss, locally sulphidic; massive to weakly foliated, fine to coarse grained, diopside muscovite-biotite-quartz-feldspar gneiss locally containing coarse grained lenses of diopside.



Stony Brook

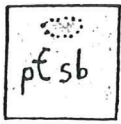
Well foliated, fine to medium grained light gray hornblende-biotite-quartz-plagioclase gneiss with characteristic small plagioclase augen.

orian



Precambrian

muscovite-biotite-quartz-plagioclase schistose gneiss; dark gray to black biotite amphibolite; rusty-weathering gray to white graphite-biotite-quartz-feldspar gneiss, locally sulphidic; massive to weakly foliated, fine to coarse grained, diopsidic muscovite-biotite-quartz-feldspar gneiss locally containing coarse grained lenses of diopside.



### Stony Brook

Well foliated, fine to medium grained light gray hornblende-biotite-quartz-plagioclase gneiss with characteristic small plagioclase augen.



### Hatch Brook

Interlayered gray to rusty-weathering siliceous muscovite-biotite-plagioclase gneiss locally containing sillimanite and garnet, fine-grained, gray garnetiferous granulite, dark gray to black biotite amphibolite, fine to medium grained, gray to dark gray biotite-hornblende-diopside calc-silicate rock, fine grained light gray quartzite and minor light gray to white, medium to coarse grained diopsidic calcite marble.



### South Ellsworth

Interlayered dark gray to black biotite-quartz-plagioclase-hornblende gneiss locally containing diopside lenses and dark gray, fine grained biotite-hornblende-diopside calc-silicate rock; rusty weathering, thin layered graphitic biotite-quartz-plagioclase gneiss



### Ellsworth Hill

Well foliated, fine to medium grained, gray (hornblende)-biotite-quartz-plagioclase gneiss



### Peck Pond

Gray to rusty weathering, thin layered quartzo-feldspathic biotite gneiss locally containing muscovite, garnet and graphite; well foliated gray (hornblende)-biotite-quartz-plagioclase gneiss; massive to well foliated, dark gray to black biotite amphibolite, locally containing garnet; minor greenish-gray to dark gray calc-silicate rock.



### West Woods

Gray and white, well layered, fine to medium grained, biotite-hornblende-quartz-plagioclase gneiss.

Ellsworth Hill

peh

Well foliated, fine to medium grained, gray (hornblende)-biotite-quartz-plagioclase gneiss

Peck Pond

pepp

Gray to rusty weathering, thin layered quartzo-feldspathic biotite gneiss locally containing muscovite, garnet and graphite; well foliated gray (hornblende)-biotite-quartz-plagioclase gneiss; massive to well foliated, dark gray to black biotite amphibolite, locally containing garnet; minor greenish-gray to dark gray calc-silicate rock.

West Woods

peww

Gray and white, well layered, fine to medium grained, biotite-hornblende-quartz-plagioclase gneiss.

Deming Hill

pedh

Well foliated fine to medium grained, black biotite amphibolite; well foliated, light gray to gray (muscovite)-biotite-plagioclase-(blue) quartz gneiss; light gray to gray hornblende-biotite-quartz-plagioclase gneiss; gray, fine grained biotite gneiss; minor, slabby hornblende-biotite-quartz-plagioclase granulites and biotite-hornblende-diopside-feldspar-quartz calc-silicate rock.

Symbols



Outcrop or closely spaced outcrops visited; inferred extent of outcrops along steep slopes.



Contact

Dashed where approximately located or inferred.



Thrust Fault

Barbs on upper plate.



<sup>27</sup> Inclined

Strike and dip of beds



<sup>35</sup> Inclined

Strike and dip of foliation



Vertical