

**EXPLANATION**

**Quaternary**

**Qu**  
Quaternary deposits undivided  
Include ground moraine, outwash sand and gravel, kame deposits of Pleistocene age, and alluvial sand and gravel of Recent age. Shown where deposits are estimated to be over 5 feet thick.

**Precambrian**

**pCdi**  
Diabase  
Dark-gray medium-grained massive diabase

**pCg**  
Pink granite gneiss  
Generally pink, but rarely grayish-white or mottled green, fine- to medium-grained well-foliated gneiss ranging from granodiorite to quartz monzonite to granite. In places contains numerous inclusions of Grenville rocks and equigranular quartz syenite. Pattern indicates areas intimately mixed with rocks of Grenville Series

**pCo**  
Oligoclase gneiss  
Green fine- to medium-grained leucocratic quartz-feldspar gneiss; pattern indicates areas intimately mixed with metasedimentary rocks of Grenville Series

**pCsg, pCs, pCgr**  
Equigranular quartz syenite  
Dark-green fine- to medium-grained well-foliated pyroxene-bearing hornblende gneiss. Contains inclusions of Grenville rocks and lenses of younger pink granite gneiss  
pCsg, equigranular quartz syenite dominant in mixture of quartz syenite and pink granite gneiss  
pCd, gray medium- to coarse-grained massive quartz diorite

**pCps**  
Porphyritic quartz syenite  
Dark-green medium- to coarse-grained pyroxene-bearing quartz-feldspar gneiss characterized by conspicuous phacoidal texture; locally mixed with equigranular quartz syenite and hornblende gneiss; contains inclusions of Grenville rocks

**pCrs**  
Hornblende gneiss  
Pink to mottled pink and green coarse- to medium-grained hornblende gneiss; in places mixed with metasedimentary rocks of Grenville Series

**pCm**  
Metagabbro  
Dark-gray to black, fine-grained poorly foliated metagabbro

**pCam**  
Amphibolite  
Dark-gray fine- to medium-grained well-foliated amphibolite; locally garnetiferous. Many inclusions of amphibolite present in younger gneisses

**pCgr, pCgs, pCg**  
Grenville Series  
pCgr, light gray to light-green fine- to coarse-grained well-foliated quartz-feldspar gneiss and dark-greenish-gray fine- to medium-grained foliated biotite-plagioclase gneiss locally grading into pinkish-gray gneiss containing porphyroblasts of microcline. Includes some individual lenses of amphibolite, quartzite, and skarn; in places highly garnetiferous; contains some lenses of undivided younger plutonic rocks  
pCgn, complex of Grenville rocks, equigranular quartz syenite, and pink granite gneiss

**pCq**  
Quartzite  
Light-gray medium-grained feldspathic quartzite

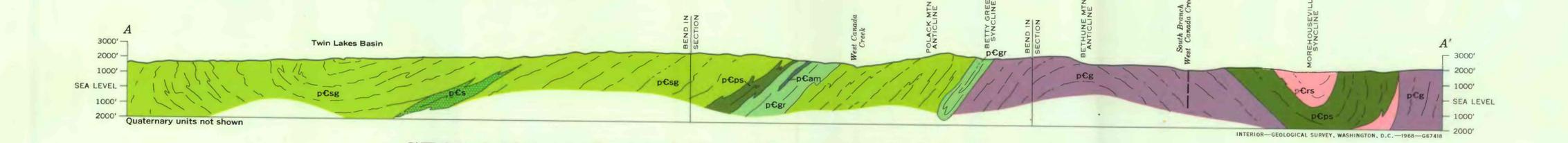
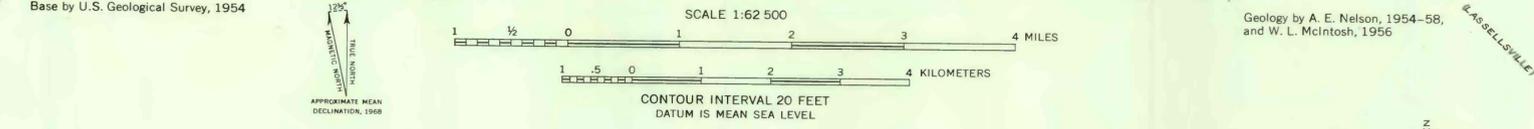
--- Gradational or inferred contact  
- - - Fault  
- - - Dashed where approximately located; dotted where concealed; queried where probable. U, upthrown side; D, downthrown side

--- Strike and dip of foliation  
--- Strike of vertical foliation  
--- Horizontal foliation  
--- Inclined Horizontal  
--- Direction and plunge of lineation  
May be combined with symbol for foliation

--- Inclined Vertical Horizontal  
--- Strike and dip of joints

/// Area of slight magnetite mineralization  
Locally causes slightly anomalous compass readings

x Sand or gravel pit  
x Abandoned quarry  
79 Sample location



**GEOLOGIC MAP OF THE OHIO QUADRANGLE, NEW YORK**