



- EXPLANATION
- Indefinite contact  
(Includes gradational contacts, inferred contacts, and indefinite boundaries of surficial deposits)
  - Concealed contact
  - Doubtful or probable fault  
(Dotted where concealed)
  - Strike and dip of foliation
  - Strike of vertical foliation
  - Bearing of lineation
  - Strike and dip of foliation  
and bearing of lineation

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EXPLANATION

- ga  
Alaskite
- gac  
Alaskite gneiss with garnet from  
contamination
- gms  
Microcline granite gneiss, com-  
monly sillimanitic, locally  
garnetiferous, associated with  
local metasedimentary layers
- amg  
Microcline granite gneiss, pre-  
dominantly hornblende with local  
amphibolite layers, in part pyrox-  
enic; with local alaskite layers
- gh  
Pink hornblende granite
- ms  
Metasediments, undifferentiated, of  
the Grenville series, and related  
migmatites with associated sheets of  
granite gneiss. Pyroxenic hornblende  
and biotitic gneisses; quartzite and  
feldspathic quartzite; quartz-feldspar  
granulite, amphibolite; skarn and local  
limestone lenses. The granite gneiss  
sheets are commonly the alaskite or  
microcline-rich facies

Granite and granite gneiss series

Metasedimentary rocks of the Grenville series

Port Leyden

PRE-CAMBRIAN

H. M. Wilson, Geographer.  
J. H. Jennings, in charge of section  
Topography by J. H. Jennings, Glenn S. Smith, and J. J. Gayetty.  
Control by Sledge Tatum and E. L. McNamee.  
Surveyed in 1906-1908.



Geology by A. F. Buddington

PORT LEYDEN, N.Y.  
1908

New York State (Port Leyden quad.). Geol. 1:62,500. n.d.

cop. 1.

GEOLOGY OF A PART OF THE PORT LEYDEN QUADRANGLE, N. Y.

This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.

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