



LEGEND

SEDIMENTARY ROCKS

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|---------------------|-----------------------|---|
| SHEET SYMBOL | SECTION SYMBOL | |
| | | rt
<i>(variegated clay, probably Tarrytown formation)</i> |
| | | Jn
Newark formation
<i>(red sandstone and shales)</i> |
| | | Sh
Hudson schist
<i>(microschist consisting of biotite and quartz, with garnet, staurolite, fibrolite, and cyanite)</i> |
| | | CSs
Stockbridge dolomite
<i>(massive, crystalline dolomite, often containing dolerite and tremolite)</i> |
| | | Cp
Poughquag quartzite
<i>(thin-bedded white to brownish quartzite)</i> |

IGNEOUS ROCKS

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|---------------------|-----------------------|---|
| SHEET SYMBOL | SECTION SYMBOL | |
| | | Jp
Palisade diabase
<i>(intrusive sheet forming the Palisades and small dikes)</i> |
| | | sp
Serpentine
<i>(resulting from local alteration of hornblende, pyroxene, and other minerals in basic dikes and masses)</i> |
| | | b
Basic dikes
<i>(hornblende and augite dikes, usually strongly foliated)</i> |
| | | gr
Granite dikes and bosses
<i>(white to reddish granites and pegmatite)</i> |
| | | ygn
Close parallel granitic injections in Hudson schist |
| | | ygn
Yonkers gneiss
<i>(banded gneiss of quartz, microcline, and orthoclase, with biotite and heavy bands in small quantities)</i> |
| | | hdi
Harrison diorite
<i>(massive, crystalline granite-diorite, often much foliated)</i> |

ANCIENT CRYSTALLINE ROCKS

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|---------------------|-----------------------|--|
| SHEET SYMBOL | SECTION SYMBOL | |
| | | fgn
Fordham gneiss
<i>(gray-banded gneiss of orthoclase, quartz, and biotite)</i> |
| | | fnd
Formation not determined
<i>(areas deeply covered by drift and artificially made land)</i> |

Faults

Hypothetical boundaries
(beneath water waves)

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Triangulation by the U.S. Coast and Geodetic Survey, N.Y. City.
Topography by the U.S. Coast and Geodetic Survey, N.Y. City.
Government: S. H. Bodfish, Frank Sutton, R. D. Cummin, E. B. Clark, and J. W. Thom.
Surveyed in 1888-89 and 1897 in cooperation with the State of New York;
Campbell W. Adams, State Engineer and Surveyor.

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Geology of New York by Frederick J. H. Merrill.
Assisted by E. M. Blake, H. Ries, and E. C. Eckel.
Surveyed 1883-1900.
Geology of New Jersey by N. H. Darton.
Surveyed 1885-1899.