

Glenville Quadrangle Bedrock Geology Map 6

Leo Hall

Map

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LEGEND

ROCK UNITS

PRELIMINARY GEOLOGIC MAP

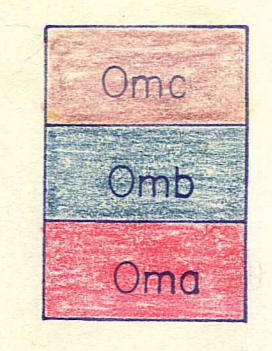


ORDOVICIAN

CAMBRIAN

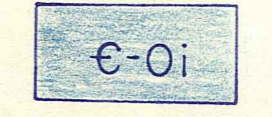
PRECAMBRIAN

AGE UNKNOWN



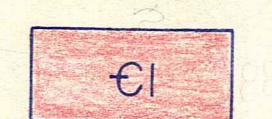
MANHATTAN formation

Omc, brown weathered garnet-muscovite-biotite schist; gray or brown weathered feldspathic schist with local sillimanite nodules.
Omb, greenish black amphibolite
Oma, gray or brown weathered garnet-muscovite-biotite schist with white calcitic marble interbedded with schist near the base.



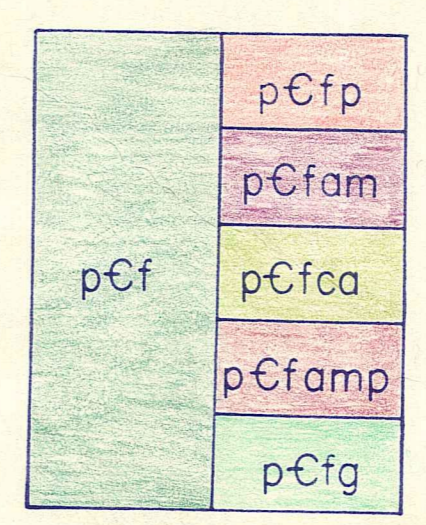
INWOOD formation

E-Oi, consists of five recognizable dolomitic or calcitic marble units not shown separately on this map.



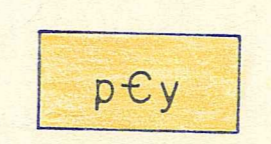
LOWERRE quartzite

E-l, tan or buff weathered feldspathic and micaceous quartzite interbedded with tan weathered quartzite.



FORDHAM formation

pCf, Fordham gneisses, undivided
pCfp, pink biotite-quartz-feldspar gneiss
pCfam, amphibolite
pCfca, gray, white, brown, or greenish diopside rich calcitic marble
pCfamp, predominantly amphibolite with some gray biotite-quartz-feldspar gneiss
pCfag, gray garnet-biotite gneiss, gray biotite hornblende gneiss, and amphibolite



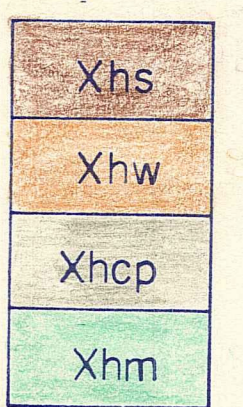
YONKERS gneiss

pCy, pink or purple biotite-quartz-feldspar gneiss.



HARRISON gneiss

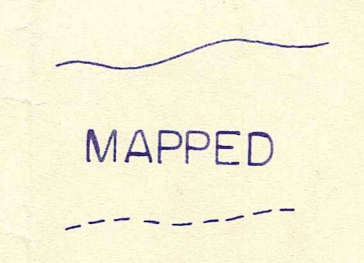
Xhng, dark gray biotite and/or hornblende feldspar gneiss with minor amounts of quartzite.



HARTLAND formation

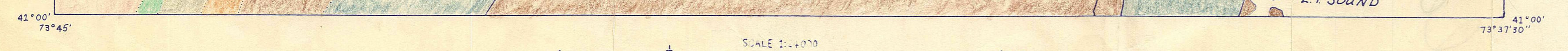
Xhs, predominantly gray or brown weathered garnet-biotite-muscovite schist locally containing sillimanite and/or kyanite.
Xhw, white biotite-muscovite-quartz feldspar gneiss with local garnet.
Xhcs, interbedded brown weathered schist, white biotite-muscovite gneiss, and amphibolite.
Xhm, amphibolite

CONTACTS



MAPPED, but uncertain due to poor exposure or complex structure

EXTRAPOLATED



(GEOLOGY by LEO HALL, as of 1966)

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