

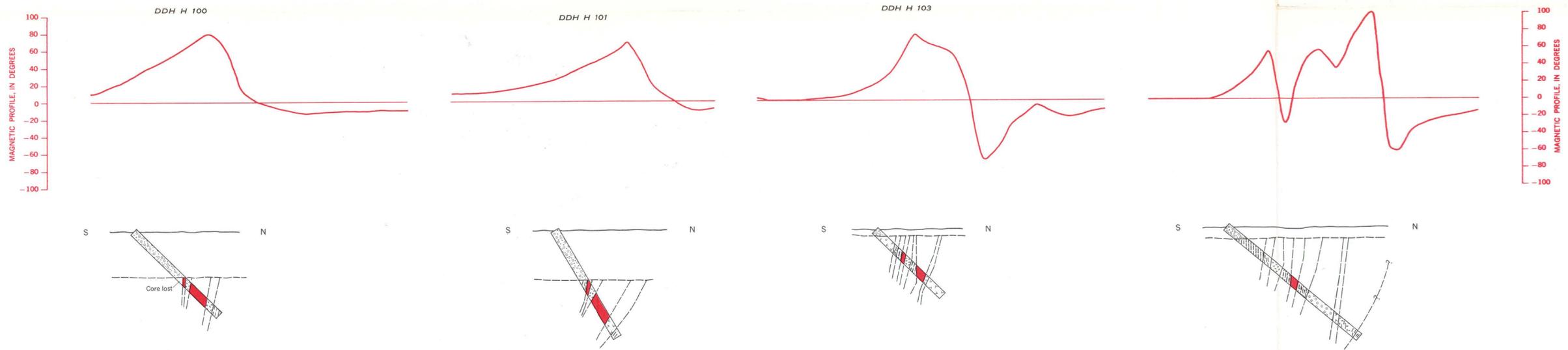
EXPLANATION

	Ore in pyroxene skarn Skarn contains biotite and amphibole locally		Contact Horizontal projection of its suboutcrop
	Alaskite Includes syenitic facies and local syenite pegmatite. Locally contaminated with pyroxene or biotite		Contact Location or continuity is questionable. Horizontal projection of its suboutcrop
	Garnet-feldspar gneiss (contaminated syenite?)		Test pit
	Pyroxene gneiss Locally garnetiferous or biotitic; includes some contaminated alaskite and syenite		Diamond-drill hole Shows horizontal projection and inclination. Elevation of holes is about 1500-1550 feet above mean sea level
	Pyroxene skarn Locally contains garnet, amphibole, biotite, or a little feldspar. Sporadic weak magnetite mineralization, mskm		Dip-needle isoclinal contour Null reading of -15° reduced to zero. Contour interval 20°
	Biotite gneiss Locally pyroxenic, in part migmatitic Stratigraphic relations of the metasedimentary rocks are indeterminate		Peak of magnetic anomaly

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Coordinate system of Newton Falls Paper Mill

Approximate position of coordinate system of U. S. Bureau of Mines (extrapolated from Jarvis Bridge system)



EXPLANATION

	Overburden		Pyroxene skarn Locally contains garnet, amphibole, biotite, or a little feldspar. Sporadic weak magnetite mineralization, mskm
	Ore in pyroxene skarn Skarn contains biotite and amphibole locally		Biotite gneiss Locally pyroxenic, in part migmatitic Stratigraphic relations of the metasedimentary rocks are indeterminate
	Alaskite Includes syenitic facies and local syenite pegmatite. Locally contaminated with pyroxene or biotite		Garnet-feldspar gneiss (contaminated syenite?)
	Pyroxene gneiss Locally garnetiferous or biotitic; includes some contaminated alaskite and syenite		Elevation of drill holes is about 1500-1550 feet above mean sea level. Topographic profiles not available. Top of bedrock is inferred.

QUATERNARY

PRECAMBRIAN

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—10324
Geology by B. F. Leonard, 1943, 1944, and 1951
Magnetic map by A. M. Ross, Newton Falls Paper Mill, 1943

BEDROCK GEOLOGIC AND MAGNETIC MAP AND SECTIONS THROUGH DRILL HOLES IN THE HARDWOOD MILL DEPOSIT, NORTHWEST AND NORTH-CENTRAL RECTANGLES
CRANBERRY LAKE QUADRANGLE, ST. LAWRENCE COUNTY, NEW YORK

