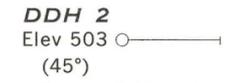
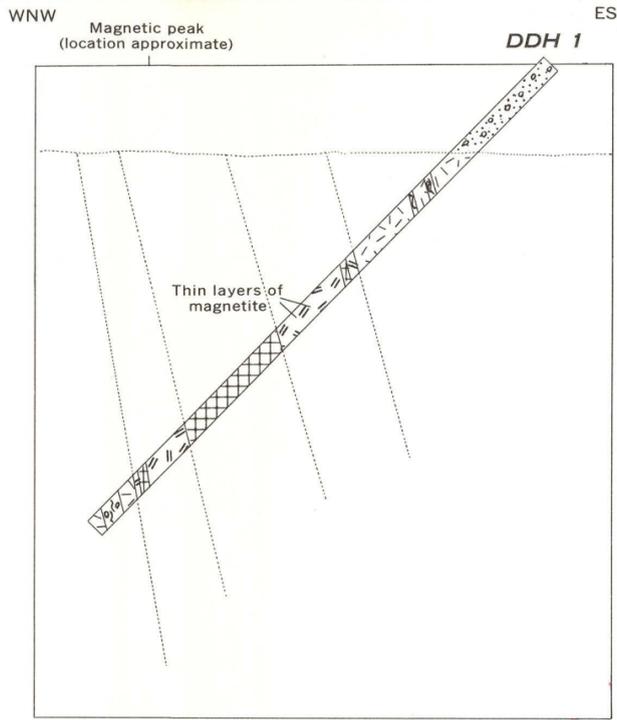
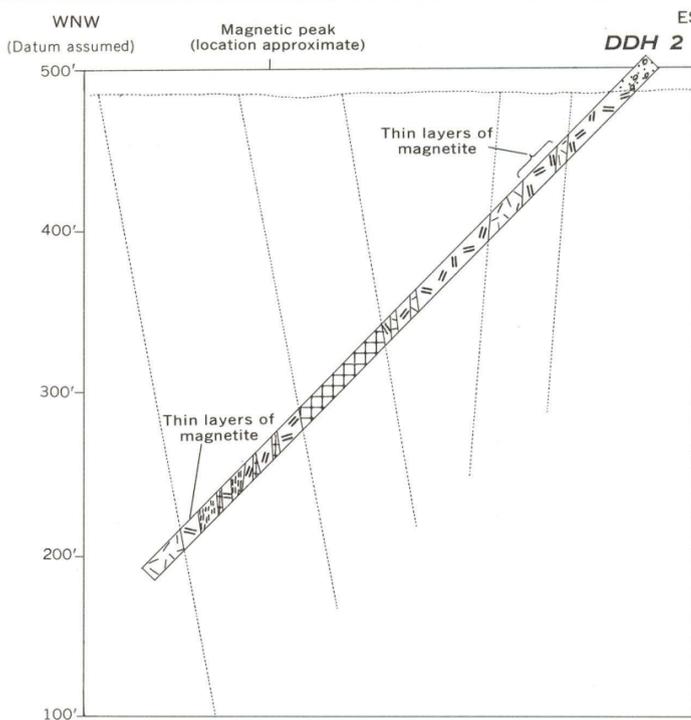


EXPLANATION

-  Main ore zone
Average grade 29 percent magnetic Fe. Host is chiefly pyroxene skarn and mica sköf
 -  gms
Microcline granite gneiss
Locally syenitic, with layers of metasedimentary gneiss. Mafic mineral is variable. Unit includes some syenite pegmatite
 -  msk
Skarn
Variable in composition but chiefly pyroxenic. Locally carries small to substantial quantities of magnetite. Unit includes thin layers of syenite pegmatite, microcline granite gneiss (locally syenitic), and metasedimentary gneisses
 -  Concealed contact
Queried where location or continuation is questionable (horizontal projection of its subcrop)
 -  Vertical foliation
Showing plunge of lineation
 -  DDH 2
Elev 503
(45°)
Diamond-drill hole
Showing horizontal projection, elevation, and inclination. Elevation of drill holes, relative to mean sea level, is 1400 ±20 feet
Datum for U.S. Bureau of Mines drill holes is assumed.
 -  Dip-needle isoclinal contour reduced to normal of zero
- Note: Stratigraphic relations of the metasedimentary rocks are indeterminate

SECTIONS

-  Overburden
-  Ore
Average grade of main zone is 29 percent magnetic Fe. Host is chiefly pyroxene skarn and mica sköf
-  Microcline granite gneiss
Locally syenitic, with a few thin layers of metasedimentary gneiss. Mafic mineral is variable. Unit includes some syenite pegmatite
-  Skarn
Variable in composition but chiefly pyroxenic. Locally carries a little magnetite. Unit includes thin layers of syenite pegmatite and (rarely) a little microcline granite gneiss and metasedimentary gneiss
-  Pyroxene-microcline gneiss
In part scapolitic, with local layers of silicated marble and garnet-pyroxene skarn
-  Biotite gneiss
Carries sillimanite and local garnet. Includes some thin amphibolite layers
-  Biotite gneiss with garnet



100 0 100 200 FEET

Base map and magnetic anomaly after Reed and Cohen, 1947, fig. 10, supplemented by topographic details from Hawkes and Balsley, 1946, pl. 6



BEDROCK GEOLOGIC AND MAGNETIC MAP AND GEOLOGIC SECTIONS OF THE OUTFIT DEPOSIT
SOUTH-CENTRAL RECTANGLE, STARK QUADRANGLE, ST. LAWRENCE COUNTY, NEW YORK

PRECAMBRIAN

QUATERNARY

PRECAMBRIAN