



EXPLANATION

- Qd Unconsolidated deposits
 - Ob Beekmantown dolomite
 - Cp Potsdam sandstone
 - pCm Mixed rocks
 - pCm₁ Magnetites, basic mass of rocks, siliceous mixed rocks, siliceous gabbroic granite gneiss
 - pCm₂ Lyon Mountain granite gneiss
 - pCm₃ Microperthite, microcline, plagioclase and microcline granite gneisses
 - pCm₄ Quartz syenite gneiss
 - pCm₅ Hawkeye granite gneiss
 - pCm₆ Metagabbro and amphibolite where thin
 - pCm₇ Anorthositic and gabbroic anorthosite
 - pCm₈ Grenville series
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- Contact, approximately located
 - - - - - Concealed contact
 - - - - - Plotted from airborne magnetometer data
 - - - - - Fault, showing dip
 - - - - - Dashed where approximately located
 - - - - - U, upthrown side; D, downthrown side
 - - - - - Vertical fault
 - - - - - Probable fault
 - - - - - Dotted where concealed
 - - - - - Strike and dip of beds
 - - - - - Horizontal beds
 - - - - - Strike and dip of foliation
 - - - - - Strike of vertical foliation
 - - - - - Horizontal foliation
 - - - - - Strike and dip of foliation and plunge of mineral lineation
 - - - - - Mineral lineation parallel to the strike of the foliation
 - - - - - Bearing of mineral lineation in horizontal foliation
 - - - - - Trend of fold axis in foliation
 - - - - - Direction of ice movement
 - - - - - Trend of magnetic anomalies
 - - - - - Letters indicate key
 - - - - - Presence of formation probable
 - - - - - Location of mine, pit, or prospect shaft

- MINES, TEST PITS, OR SHAFTS SHOWING MAGNETITE**
- 1 Chateaugay mine
 - 2 G1 mine
 - 3 Phillips Vein
 - 4 Parkhurst mine
 - 5 Tremblay mine
 - 6 Tremblay pits
 - 7 Clayburg mines
 - 8 Bowen-Signor mine
 - 9 Russia station
 - 10 Test shaft on the Dorothy anomaly
 - 11 Unnamed mine on the Miner farm
 - 12 Hills ore pits
 - 13 LaMar pit
 - 14 Averill mine
 - 15 Slatte mine
 - 16 LaVake mine
 - 17 Rutgers mine
 - 18 Hogback mine
 - 19 Mitchell prospect
 - 20 Lynch prospect
 - 21 Palmer Hill group of mines
 - 22 Jackson Hill mines
 - 23 Jackson Hill mines
 - 24 Chalfou mine
 - 25 Finch mine
 - 26 Indian mine
 - 27 Arnold mine
 - 28 Nelson Bush mine
 - 29 Winter mine
 - 30 Mace mine
 - 31 Cook mines
 - 32 Cook mines
 - 33 Duncan Mountain prospect
 - 34 Black Brook mines
 - 35 Black Brook mines

- KEY TO ANOMALIES**
- B Bowen-Signor anomalies
 - C Dorothy anomalies
 - D Phillips anomalies
 - E Kimball anomalies
 - F Generalized trend of anomaly and vein zone at G1 and Chateaugay mines
 - G Westward extension of Bowen-Signor zone

GEOLOGIC MAP AND SECTIONS OF THE MAGNETITE DISTRICT, CLINTON COUNTY, NEW YORK

Base from maps of Geological Survey
Charleston, Lyon Mountain, Dannemora,
and Ausable quadrangles

Geology by A. Williams Postel
and Cleve L. Rogers, 1944-1947

