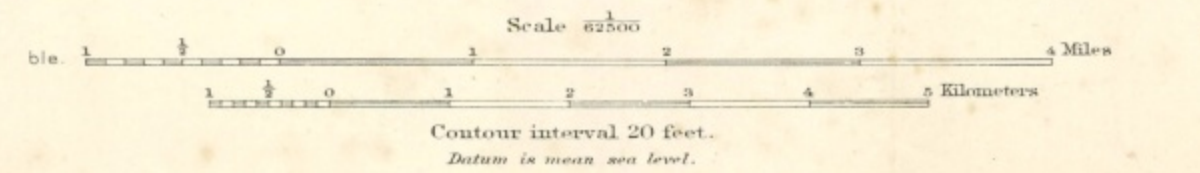


- EXPLANATION**
- Qd Unconsolidated deposits
  - Ob Beekmantown dolomite
  - Cp Potsdam sandstone  
*Includes conglomerate at base*
  - pCm Mixed rocks  
*Migmatites, basic mixed rocks, siliceous mixed rocks, sillimanite-quartzite granite gneiss*
  - pCim Lyon Mountain granite gneiss  
*Microperthite, microcline, plagioclase and microperthite granite gneiss*
  - pCh Quartz syenite gneiss
  - pCn Hawkeye granite gneiss
  - pCmg Metagabbro and amphibolite where thin
  - pCa Anorthosite and gabbroic anorthosite
  - pGv Grenville series
- Contact, approximately located  
 - - - - - Concealed contact  
 Plotted from surface 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  
 (P) Presence of formation probable  
 ⊕ Location of mine, pit, or prospect shaft
- MINES, TEST PITS, OR SHAFTS SHOWING MAGNETITE.**
- 1 Chateaugay mine
  - 2 21 mine
  - 3 Phillip Vein
  - 4 Parkhurst mine
  - 5 Tremblay mine
  - 6 Tremblay pits
  - 7 Clayburg mine
  - 8 Bowen-Signor mine
  - 9 Russia station
  - 10 Test shaft on the Dorothy anomaly
  - 11 Unnamed mine on the Miser farm
  - 12 Ellis ore pits
  - 13 LaMar pits
  - 14 Averill mine
  - 15 Hattie mine
  - 16 LaVae mine
  - 17 Rutgers mine
  - 18 Highack mine
  - 19 Mitchell prospect
  - 20 Lynch prospect
  - 21 Palmer Hill group of mines
  - 22 Jackson Hill mines
  - 23 Jackson Hill mines
  - 24 Chalfon 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 Phillip anomalies
  - E Kimball anomalies
  - F Generalized trend of anomaly and vein zone at 51 and Chateaugay mines
  - G Westward extension of Bowen-Signor zone
- B to E after U. S. Bureau of Mines  
 F after Republic Steel Corp.  
 G after D. H. Newland (1908)

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

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



Geology by A. Williams Foster  
and Charles L. Rogers, 1944-1947

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