



EXPLANATION

- Alluvium
- Biotite Granite. Gray or pink, fine- to medium-grained locally porphyritic.
- "Ore"
 - Grade 1. Massive magnetite-ilmenite containing from 0-3% silicates by volume, mostly olivine. TiO_2 16-23%.
- Mineralized Anorthosite and Noritic Anorthosite.
 - Type 1. Contains grades 2 and 3 "ore" and olivine in high concentrations but the bulk of the rock consists of 85-95% plagioclase with olivine and magnetite-ilmenite throughout. Type 1 is not subdivided because of insufficient exposures.
 - Type 2. About 75% of the rock contains 5-15% olivine and 2-7% magnetite-ilmenite; the remainder is anorthosite.
- Altered and Bleached Anorthosite and Granite. Rocks are fractured, granulated, and fine-grained.
- Noritic Anorthosite. Gray, weathers brown, coarse-grained. Platy crystal structure poorly developed or absent. Hypersthene 5-20%.
- Anorthosite. Light gray, fine- to coarse-grained with well developed platy crystal structure.
- Contact
- Contact approximately located
- Contact transitional
- Dip of platy crystal structure and of compositional layering in anorthosite and of compositional layering in ore and granite.
- Vertical platy crystal structure and compositional layering in anorthosite and compositional layering in ore and in granite.
- Dip of granite contacts and of fault plane
- Fault
- Geologic section along diamond drill hole.
- Road
- Stream
- Contour interval 100 feet

PRELIMINARY GEOLOGIC MAP
OF THE
TITANIFEROUS IRON DEPOSITS,
IRON MOUNTAIN,
ALBANY COUNTY, WYOMING

Plane Table and Topography by M.L. Troyer
Geology by W.H. Newhouse and A.F. Haqner
Scale 1 in = 200 ft.

This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.

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