Details of the structure of the HURONIAN or IRON-BEARING SERIES of ASHLAND and LINCOLN COUNTIES, by ROLAND D. IRVING; Sheet No.1

1877.

EXPLANATION OF COLORS

- Diabase, Porphyry and Amygdaloid of the Keweenaw or Copper Bearing Series.
- Granite penetrating Gabbro and Mica-Schist.
- Mostly occupied by Gabbros, with coarse pink Granite in veins and included masses.
- XXI Mica Schist with granite veins
- XIX Diorite Greenstone Schist.
- XVI, XV Grey Quartzite including some Mica Slate like XIV
- XIV a Bark-grey aphanitic Mica Slate, impart chiastolite
- XIII Diorite
- XII Black Magnetitic Mica Slate
- X Mica Slate, like VII
- IX Diorite
- VII Bark-grey to black aphanitic Mica Slate
- Covered. VI, VIII, XI, XIV b, XVIII, XX
- V Black Feldspathic Slate
- IV Magnetic Belt (Banded Magnetic Quartzite) Granulitic Magnetitic Schist, black Magnetic Slates
- III Siliceous and Chloro-Siliceous Slaty Schist.
- II Arenaceous white Quartzite
- I Crystalline Limestone
- Laurentian

LEGEND

Scale of map and sections 3.6 inches = 1 mile.

Shadings on map indicate positions, structure, etc. of the more accurately located ledges, which are numbered for purposes of description.

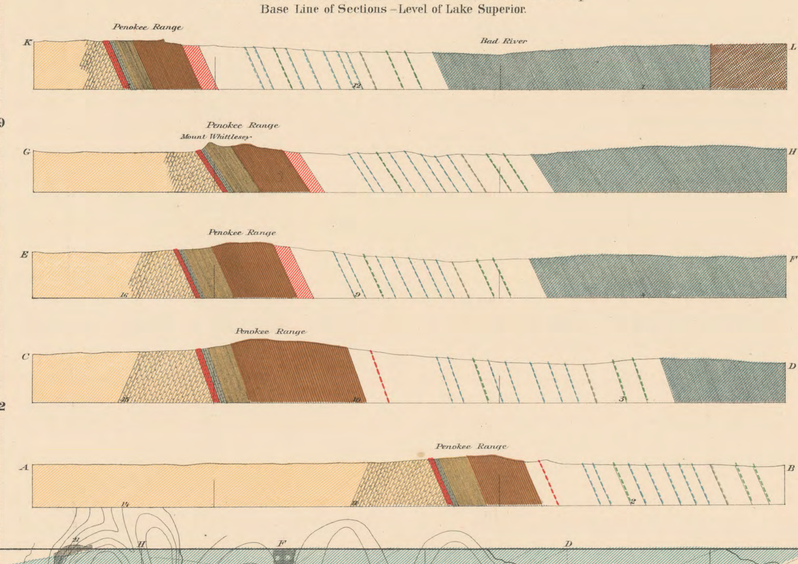
Arrows indicate the deviation of the magnetic needle from the true meridian.

Numbers on the railroad line give the elevation in feet above Lake Superior of the grade and natural surface.

Broken colored lines show the approximate positions of the eastern equivalents of the Penokee Gap series.

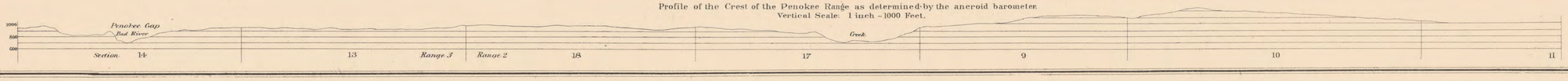
Contour lines approximate only; based on aneroid observations – Distances 20 feet vertical.

Profile Sections on lines indicated. Scale natural same as for map.
Base Line of Sections – Level of Lake Superior.



Profile Section on West line of Map Scale natural same as map.
Base Line of Section – Level of Lake Superior.

Profile of the Crest of the Penokee Range as determined by the aneroid barometer.
Vertical Scale: 1 inch = 1000 Feet.



WISCONSIN GEOLOGICAL SURVEY.
T. C. CHAMBERLIN, CHIEF GEOLOGIST.

PLATE No. XXIV