

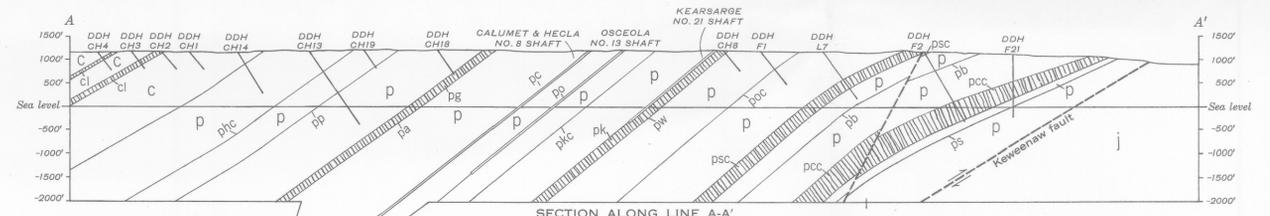
EXPLANATION

- Jacobsville sandstone
Light-red to brown medium-grained sandstone with subordinate amounts of fine-grained sandstone, shale, and thin conglomerate beds.
- Copper Harbor conglomerate
Red to brown boulder conglomerate with subordinate amounts of pebble conglomerate and beds of arkosic sandstone; most of detrital material is rhyolitic in composition; fragments of mafic lava are subordinate. Mafic lava flow units of the formation are designated cl.
- Portage Lake lava series
Basalt and andesite flows with ophitic, glomeroporphyritic, porphyritic, or fine-grained equigranular texture in middle and lower parts, and amygdaloidal tops; beds of conglomerate and sandstone, containing predominantly rhyolitic fragments, occur between a few of the flows. The Greenstone flow, pa, Kearsarge flow, pk, Scales Creek flow, psc, and Copper City flow, pec, are distinguished on the map. The top of the Osceola, amygdaloid, po, is shown. The following sedimentary rocks are identified: Hancock conglomerate (No. 17), phc, Peabic West conglomerate (No. 16), pp, Allouez conglomerate (No. 15), pa, Calumet and Hecla conglomerate (No. 13), pc, Kingston conglomerate (No. 12), pkc, Wolverine sandstone (No. 9), pw, Old Colony sandstone, poc, Bohemia conglomerate (No. 8), pb, and St. Louis conglomerate of local usage, ps.

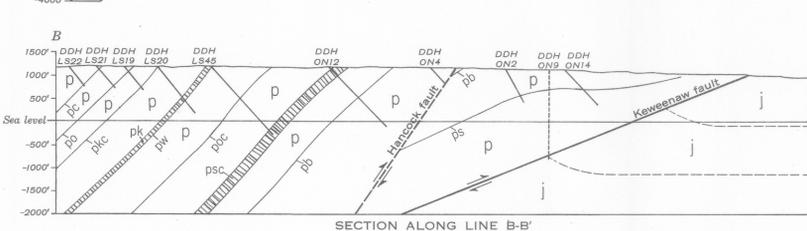
- Contact
Dashed where approximately located.
 - Contact
Located by magnetic lines traced with a dip needle.
 - Fault, showing dip
Dashed where approximately located.
 - Strike and dip of beds
 - Horizontal beds
 - Diamond drill hole
Dashed line represents hole projected up the dip of bedding to surface; letters and numbers identify drill holes; letters are abbreviations of property names as follows: CH, Calumet & Hecla; F, Florida; L, Laurium; LS, La Salle; NB, New Baltic; O, Old Colony; ON, Onondaga; OS, Osceola; SL, St. Louis; T, Tecumseh; TL, Torch Lake. Drill holes are projected into line of section on the cross sections.
 - Shaft
 - Crosscut projected vertically to the surface
 - Area of copper mine stoping and development in amygdaloid and conglomerate
- (Note: Copper mines are identified by name and principal shafts by letter or number.)

Base map by Topographic Division, U. S. Geological Survey, 1946.
Scale 1:24000
Contour interval 20 feet
Datum is mean sea level

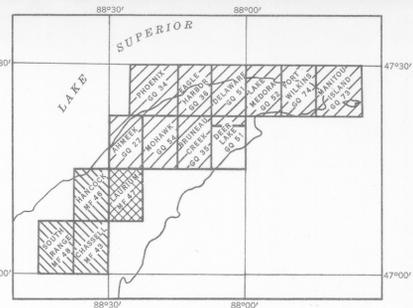
INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C., MR 1567 88° 22' 30"
Geology compiled by H. R. Cornwall and J. C. Wright, 1954, from mining company records, U. S. Geological Survey outcrop maps, and unpublished dip-needle maps by the Michigan Geological Survey.



SECTION ALONG LINE A-A'



SECTION ALONG LINE B-B'



Geologic Quadrangle Map series
Mineral Investigations Field Studies series
Area of this report

10 0 10 20 Miles

INDEX MAP OF THE KEWEENAW PENINSULA, MICHIGAN
SHOWING MAPPED QUADRANGLES

GEOLOGIC MAP
OF THE
LAURIUM QUADRANGLE, MICHIGAN
By
Henry R. Cornwall and James C. Wright
1956