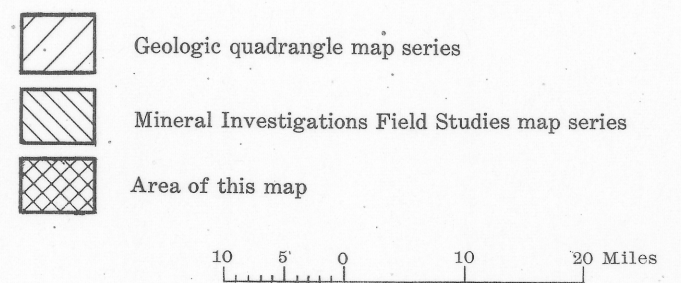
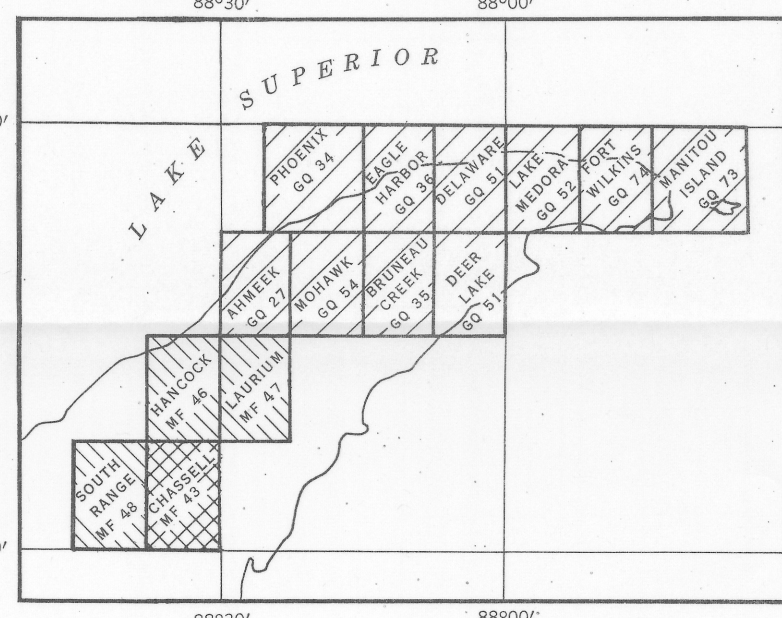
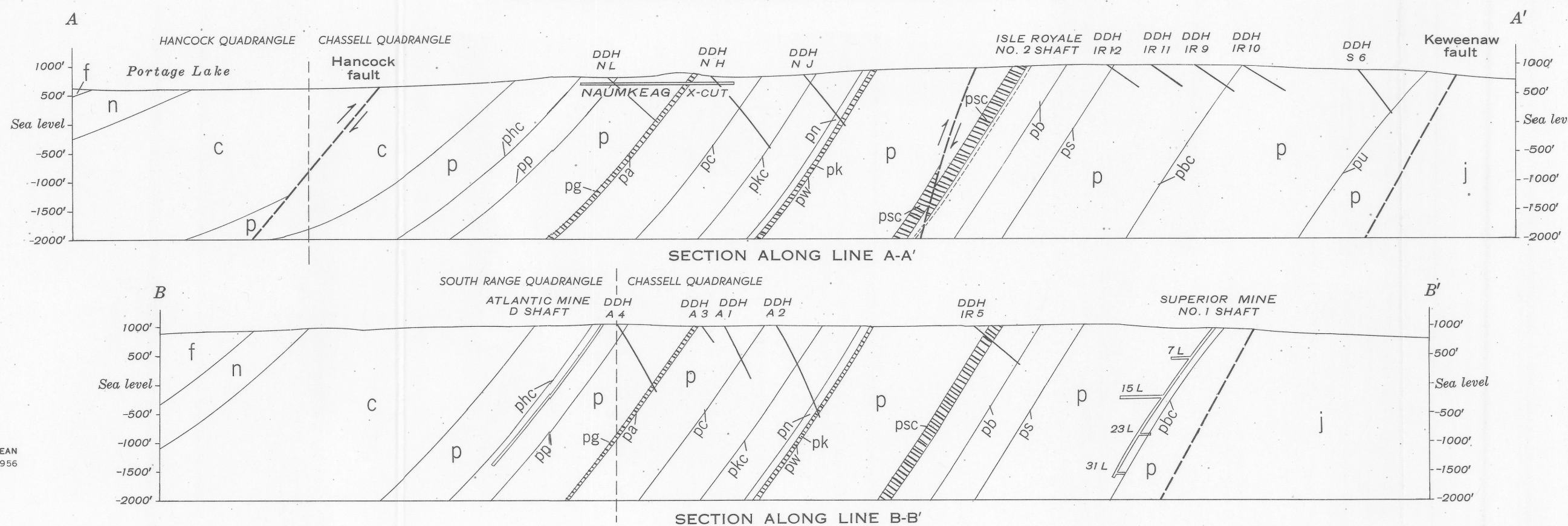


- EXPLANATION**
- J**
Jacobsville sandstone
Light-red to brown, medium-grained sandstone with subordinate amounts of fine-grained sandstone, shale, and thin conglomerate beds.
- n**
Nonesuch shale
Massive and laminated, dark- to reddish-gray siltstone and shale with interbedded gray to reddish-gray, fine-grained sandstone.
- C**
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.
- Portage Lake lava series**
Basalt and andesite flows, with ophitic, glomeroporphritic, 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, pg, Kearsarge flow, pk, and Scales Creek flow, pc, are distinguished on map. The following sedimentary rocks are identified: Hancock conglomerate (No. 17), phc, Pewabic West conglomerate (No. 16), pp, Algonquin conglomerate (No. 15), pa, Calumet and Hecla conglomerate (No. 13), pc, Kingston conglomerate (No. 12), pke, National sandstone, pn, Wolverine sandstone (No. 9), pw, Bohemia conglomerate (No. 8), pb, St. Louis conglomerate of local usage, ps, Baltic conglomerate (No. 3), pbc, and unnamed conglomerate, pu.
- Contact**
Dashed where approximately located; dotted where concealed.
- Fault, showing dip**
Dashed where approximately located; dotted where concealed.
- Strike and dip of 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: A, Atlantic; DH, Dakota Heights; H, Houghton; IR, Isle Royale; N, Naumkeag; S, Section 12. Drill holes are projected in line of section on the cross sections.
- Shaft**
- Area of copper mine stopping and development in amygdaloid and conglomerate**
- (Note: Copper mines are identified by name and principal shafts by letter or number.)



INDEX MAP OF THE KEWEENAW PENINSULA, MICHIGAN
SHOWING MAPPED QUADRANGLES



**GEOLOGIC MAP
OF THE
CHASSELL QUADRANGLE, MICHIGAN**
By
Walter S. White
1956