



Base from U. S. Geological Survey Ishpeming quadrangle (preliminary copy)

INTERIOR GEOLOGICAL SURVEY, WASHINGTON, D. C. M R-2635

Geology by R. C. Vickers and J. H. Eric, August 1953. In part after Hotchkiss, 1903

### GEOLOGIC MAP OF THE PALMER AREA, MARQUETTE COUNTY, MICHIGAN



**EXPLANATION**

- Metadiabase dike
- Goodrich quartzite
- Negaunee iron-formation
- Siamo slate
- Ajibik quartzite
- Mesnard quartzite
- Granite, gneiss, and pegmatite  
*Possibly includes metamorphosed lower and middle Huronian rocks*
- Contact, approximately located
- Approximate fault
- Inferred fault
- Strike and dip of bedding
- Strike and dip of foliation
- Area of outcrop
- Shaft, caved
- Small open pit, abandoned

**PRECAMBRIAN**

- Upper Huronian**
  - Keweenaw(?)
- Middle Huronian**
  - Negaunee iron-formation
  - Siamo slate
  - Ajibik quartzite
- Lower Huronian**
  - Mesnard quartzite
- Pre-Huronian**
  - Granite, gneiss, and pegmatite