

EXPLANATION
Outcrop areas shown by darker shade

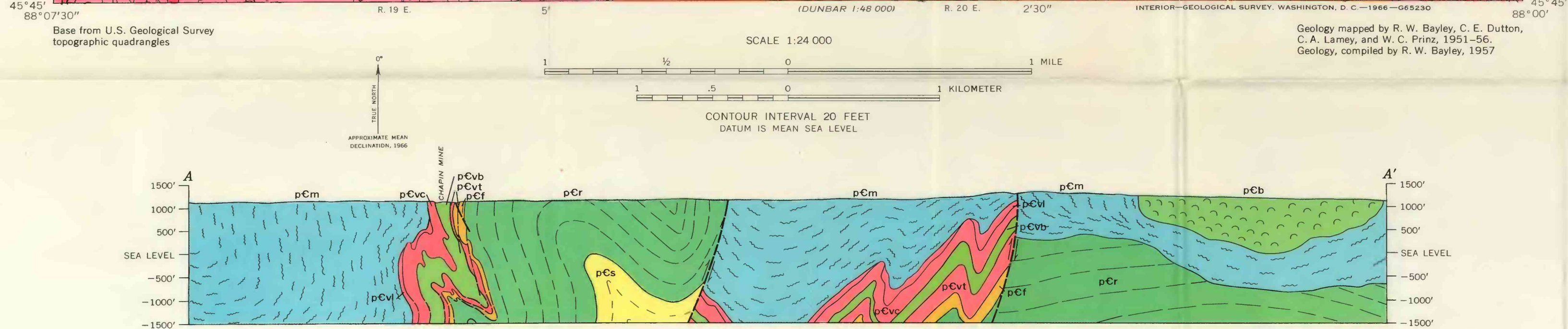
- Upper Precambrian**
- Keweenaw Series**
 - OCsd** Sandstone and dolomite
 - pCd** Fresh olivine diabase in scattered thin dikes
 - pCh** Hoskin Lake Granite
 - pCma** Marinette Quartz Diorite
 - pCmg** Metagabbro dikes and sills and related intrusive rocks
 - pCmng** magnetic metagabbro
 - Baraga Group**
 - pCb** Badwater Greenstone
 - pCm** Chiefly altered basaltic lava flows (greenstone)
 - pCm** Michigamme Slate
 - UNCONFORMITY**
 - Vulcan Iron-Formation undivided** Includes four members
 - pCvu** Loretto Slate Member
 - pCvi** Ferruginous siliceous slate
 - pCvc** Curry Iron-Bearing Member
 - pCvb** Brier Slate Member
 - pCvt** Traders Iron-Bearing Member
 - pCf** Feleh Formation
 - UNCONFORMITY**
 - Randville Dolomite** Thick-bedded crystalline dolomite, thin-bedded sandy dolomite, algal dolomite, dolomitic slate, conglomerate, and breccia
 - pCs** Sturgeon Quartzite
 - pCfc** Thick and thin-bedded vitreous quartzite. Sericitic schist and quartzite in basal part
 - pCfc** Fern Creek Formation
 - UNCONFORMITY**
 - Carney Lake Gneiss** Granitic gneiss and granite
 - pCq** Quinnesec Formation
 - pCq** Altered volcanic rocks, chiefly basaltic flows and pyroclastics; some metarhyolite and other silicities (north part, minor intercalations of metasedimentary rocks rhy; metarhyolite and closely related rocks and sericitic schists derived from them)

CAMBRIAN AND ORDOVICIAN

- Anticline**
Showing trace of axial plane and bearing and plunge of axis
- Overtured anticline**
Arrows indicate dip direction of limbs
- Syncline**
Showing trace of axial plane and bearing and plunge of axis
- Overtured syncline**
Arrows indicate dip direction of limbs
- Bearing and plunge of axis of small fold**
- Plunge of closely spaced minor folds**
- Inclined**
- Vertical**
- Overtured**
- Strike and dip of beds**
- Lava pillows**
- Crossbedding**
- Ripple marks**
- Algal structures**
- Features showing top direction of beds**
- Bearing and plunge of lineation**
- Inclined**
- Vertical**
- Strike and dip of foliation**
- Strike of vertical foliation and plunge of lineation**
- Preferred strike of feldspar phenocrysts in granite**
- Inclined**
- Vertical**
- Strike and dip of joints**
- Approximate structure contours on Randville**
- Datum is mean sea level**
- Test shafts and shafts to underground iron mines: All inactive**
- Adit**
- Test trench**
- Test pit**
- Caved ground**
- Diamond-drill hole**
- Number indicates elevation at top of Randville Dolomite**
- Diamond-drill holes on cross sections**
- GREEN SCHIST**
- OLIGOCLASE-AMPHIBOLITE**
- Isoclinal of regional metamorphism**

ROCK OUTCROPS MAPPED WITHIN GEOLOGIC UNITS

- Outcrop or outcrop area**
- Contact**
- Dashed where approximate or inferred; queried where doubtful**
- Fault, showing dip**
- Dashed where approximately located; queried where doubtful. U, upthrown side; D, downthrown side**
- Thrust fault**
- Sawtooth on upper plate**
- Fault zone**
- Brecciated rock**
- amph** amphibolite
- ben** breccia or brecciated rock
- blk** black
- cgl** conglomerate
- ch** chert or cherty rock
- dac** dacite
- dolo** dolomite or dolomitic rock
- ell** ellipsoidal greenstone
- fg** ferruginous rock
- gn** gneiss
- gph** granophyre
- graph** graphite
- gs** greenstone
- gw** graywacke
- gy** gray
- if** iron-formation
- porph** porphyry
- qtz** quartz or quartzite
- rhy** rhyolite
- sch** schist or schistose rock
- sil** siliceous rock
- sl** slate



GEOLOGIC MAP AND SECTION, IRON MOUNTAIN AREA, DICKINSON COUNTY, MICHIGAN, AND FLORENCE AND MARINETTE COUNTIES, WISCONSIN