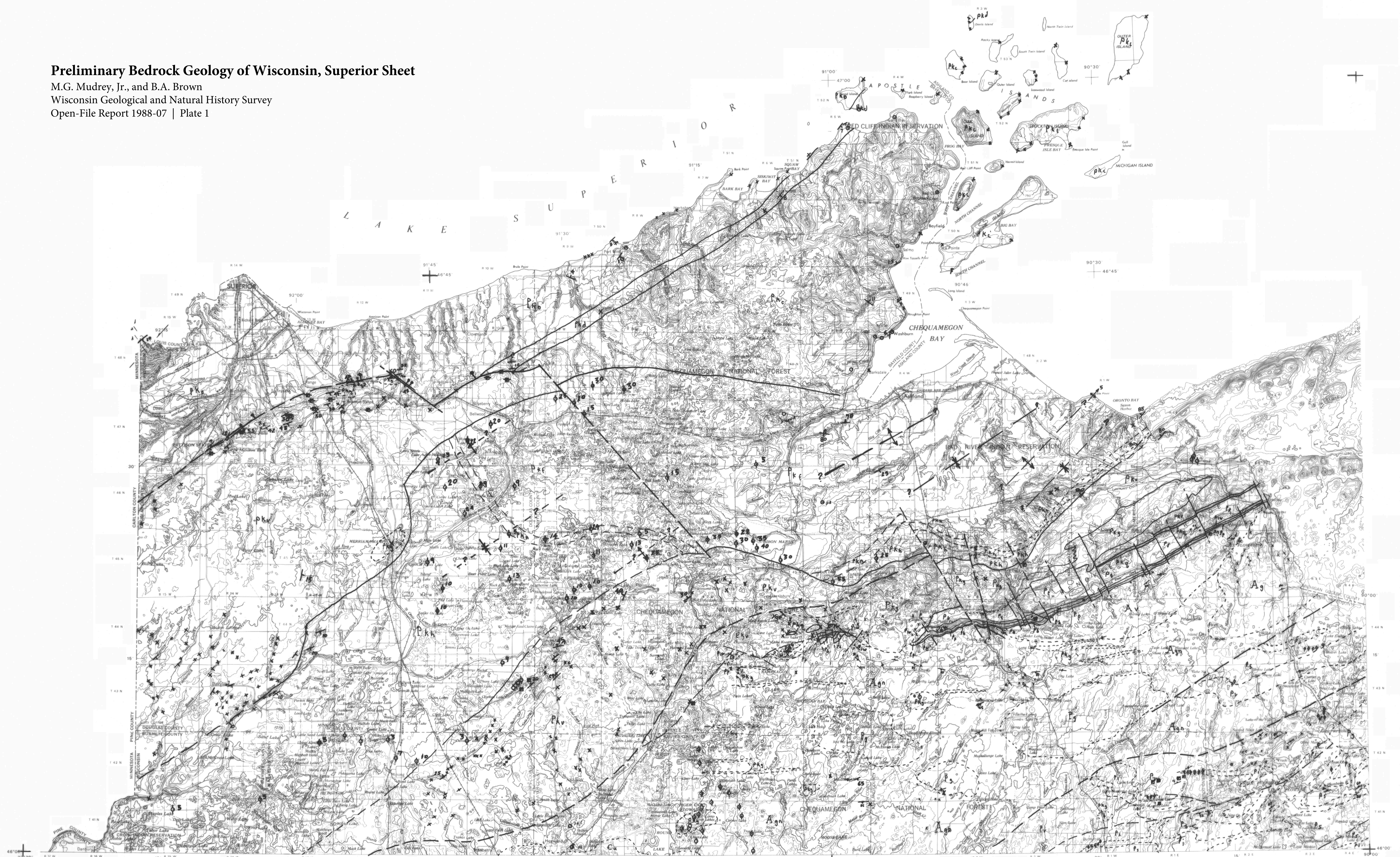


Preliminary Bedrock Geology of Wisconsin, Superior Sheet

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PALEOZOIC	Undivided sandstone of Cambrian age
<i>E_u</i>	

PRECAMBRIAN - MIDDLE PROTEROZOIC	
KEWEENAWAN SUPERGROUP	
BAYFIELD GROUP	
<i>E_{kc}</i> Chequamegon Formation	Poorly sorted, arkosic sandstone
<i>E_{kd}</i> Devils Island Formation	Well sorted, quartzose sandstone
<i>E_{ko}</i> Orienta Formation	Poorly sorted, arkosic sandstone
ORONTO GROUP	
<i>E_{kf}</i> Freda Formation	Poorly sorted, red arkosic sandstone
<i>E_{kn}</i> Nonesuch Formation	Gray, petroliferous shale
<i>E_{kh}</i> Copper Harbor Formation	Conglomerate and sandstone, locally interbedded with lava flows
<i>E_{kg}</i> Mineral Lake, Mellen Intrusives	Gabbro, troctolite, ferrogabbro, anorthosite, granophyre. Includes small isolated occurrences of unknown relations.
<i>E_{kv}</i> Portage Lake, Seimens Creek, Chengwatana Volcanics	Lava flows, mostly basalt, and minor interflow sedimentary rocks
<i>E_{kq}</i> Bessemer Formation	Quartzite and quartz pebble conglomerate

EARLY PROTEROZOIC	
MARQUETTE RANGE SUPERGROUP	
<i>E_t</i> Tyler Formation	Light to dark gray, feldspathic sandstone; gray argillaceous siltstone and argillite; base contains iron-rich beds
<i>E_{iw}</i> Ironwood Iron-formation	Interbedded units of wavy-bedded, cherty iron-formation and thin-bedded slaty iron-formation
<i>E_p</i> Palms Formation	Laminated argillite and interbedded fine quartzite siltstone and quartzite
<i>E_b</i> Bad River Dolomite	Gray to buff, cherty dolomite, commonly with algal structures
<i>E_v</i> Metavolcanic rocks	Early Proterozoic age in southeastern part of map. Includes mafic to intermediate pyroclastic rocks and flows
<i>E_s</i> Metasedimentary rock	Predominantly graywacke, argillite and sandstone with minor interbedded lean iron-formation and metavolcanic rock. Locally of kyanite metamorphic grade in extreme southeastern part of map.
<i>E_i</i> Iron-formation	Lean iron-formation and magnetic slate; locally biotite garnet schist
<i>E_g</i> Granite	Granite, age uncertain, defined from aeromagnetic patterns and few outcrops

ARCHEAN	
<i>A_v</i> Metavolcanic rock	Mafic to intermediate metavolcanic rock, contains minor interbedded metasedimentary rock. Best exposed south of Gile
<i>A_g</i> Puritan Batholith	Massive to foliated to gneissic rock
<i>A_{gn}</i> Shanagolden Gneiss	Migmatite and banded gneiss best exposed near Morse.