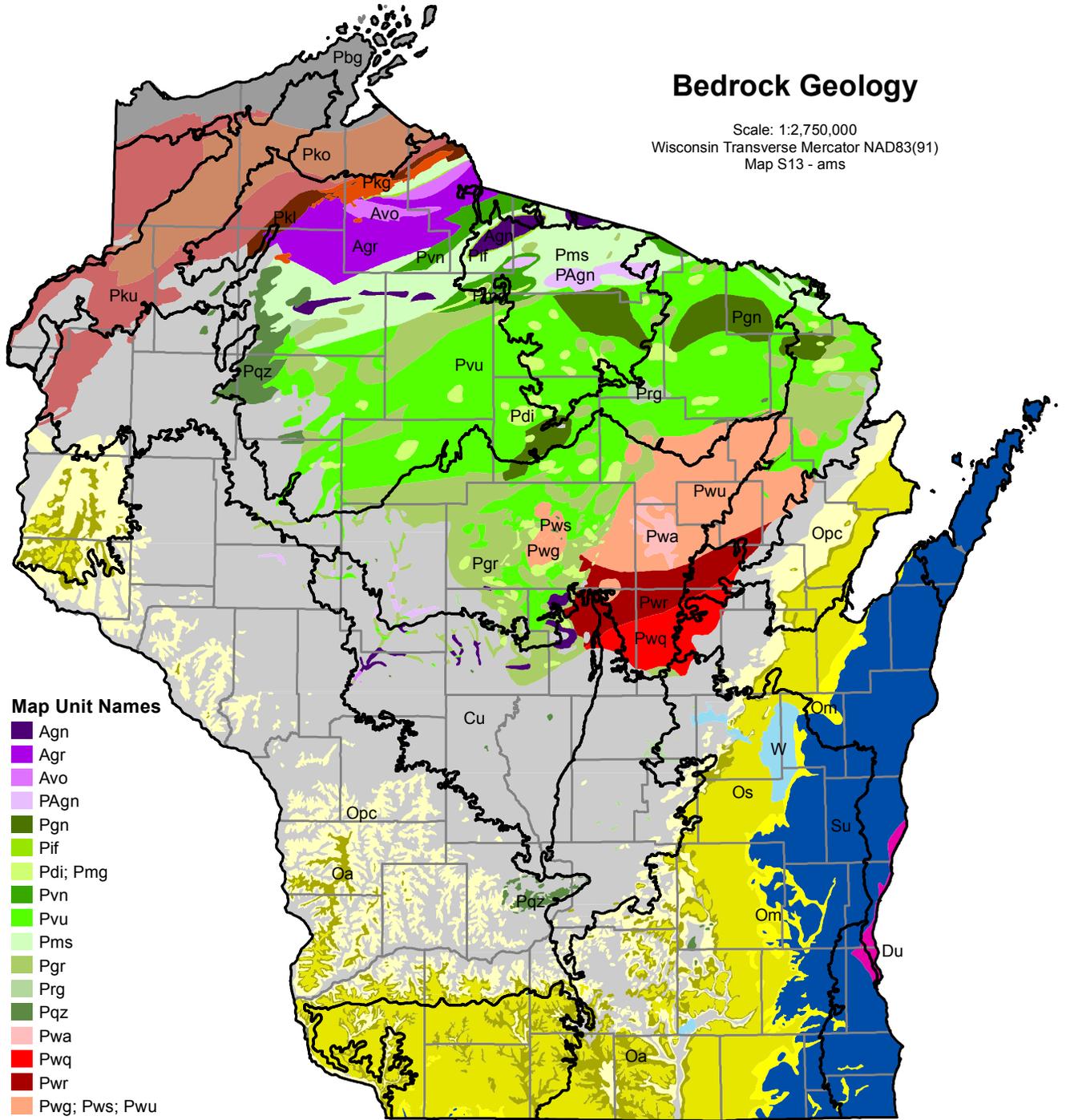


# Bedrock Geology

Scale: 1:2,750,000  
 Wisconsin Transverse Mercator NAD83(91)  
 Map S13 - ams

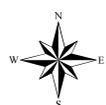
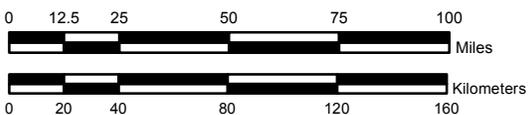


### Map Unit Names

- Agn
- Agr
- Avo
- PAgn
- Pgn
- Pif
- Pdi; Pmg
- Pvn
- Pvu
- Pms
- Pgr
- Prg
- Pqz
- Pwa
- Pwq
- Pwr
- Pwg; Pws; Pwu
- Pkg
- Pkl
- Pku
- Pko
- Pbg
- Cu
- Opc
- Oa
- Os
- Om
- Su
- Du
- Water
- Ecological Landscape
- County Boundaries

This information represents a digital version of the polygon units shown on "Bedrock Geologic Map of Wisconsin," originally published in 1982 at a scale of 1:1,000,000. The bedrock geology shown is a lithostratigraphic interpretation of the consolidated (rock) units present at the land surface or, in most areas, the first consolidated (rock) unit encountered beneath variable thicknesses of unconsolidated glacial sediment. The data include not only the distribution of the various bedrock units, but also a general description of the lithologic character and nomenclatural identification.

The general descriptions of the map units appear as a table on the back of this map.



**Precambrian rocks of Archean age, Upper Archean System**

Agn	Metamorphic rocks: quartzofeldspathic gneiss, migmatite and amphibolite
Agr	Igneous rocks: granite and associated rocks; includes Puritan Quartz Monzonite
Avo	Metamorphic rocks: mafic to intermediate metavolcanic rocks and associated metasedimentary rocks; includes Ramsey Formation in Iron County, and iron-formation in Jackson County

**Precambrian rocks of Proterozoic age, Lower Proterozoic System**

PAgn	Proterozoic or Archean age metamorphic rocks: quartzofeldspathic and migmatitic gneiss with amphibolite and biotite schist
Pgn	Igneous intrusive rocks: banded, layered and migmatitic gneiss with subordinate amphibolite and biotite schist
Pif	Metamorphic, metasedimentary rocks: magnetic iron-formation, known or inferred from areal magnetic surveys; includes Ironwood and Riverton Iron-formations
Pdi, Pmg	Igneous, intrusive rocks: tonalitic to granodioritic rocks, massive to foliated and commonly intruded by granitic rocks including aplite and pegmatite; and metamorphosed ultramafic to mafic intrusive rocks, including a layered sequence near Merrill and magnetic units of unknown composition.
Pvn	Metamorphic, metavolcanic rocks: dominantly mafic metavolcanic rocks with subordinate felsic metavolcanic rocks; greenschist and amphibolite metamorphic facies
Pvu	Metamorphic, metavolcanic and metasedimentary rocks: mafic, intermediate and felsic metavolcanic rocks with subordinate metasedimentary rocks; dominantly of greenschist metamorphic facies; more than one metavolcanic sequence is recognized; widely distributed in north central areas
Pms	Metamorphic, metavolcanic and metasedimentary rocks: meta-argillite, meta-siltstone, quartzite, meta-greywacke, meta-conglomerate, meta-iron-formation and marble, with some minor interbedded metavolcanic rocks; including Tyler Formation, Palms Quartzite and Bad River Dolomite
Pgr	Igneous, intrusive rocks: intermediate to granitic intrusive rocks generally discrete, weakly to moderately deformed bodies
Prg	Igneous rocks: granite and coeval rhyolite of south central Wisconsin and post-tectonic granite in northern Wisconsin: may include Pqz in part
Pqz	Metamorphic and sedimentary rocks: quartzite and associated slate, dolomite, ferruginous slate, conglomerate and chert; includes Baraboo and Waterloo Quartzites in south, Barron Quartzite in northwest, meta-sedimentary inclusions in Wolf River rocks including Rib Mountain, Mosinee Hill and McCaslin Quartzites, and other metasedimentary rocks of uncertain stratigraphic position which occur as inliers and outliers in central Wisconsin

**Precambrian rocks of Proterozoic age, Middle Proterozoic System**

Pwa	Wolf River batholith igneous rocks: anorthosite and gabbro inclusions near Tigerton (age uncertain)
Pwq	Wolf River batholith igneous rocks: rapakivi-textured quartz monzonite near Waupaca
Pwr	Wolf River batholith igneous rocks: quartz monzonite near the Red River, Shawano County
Pwg, Pws, Pwu	Wolf River batholith igneous rocks: granite of Ninemile Swamp area near Wausau, syenite and associated rocks near Stettin and Wausau, and other granitic and syenitic rocks.
Pkg	Keweenaw Supergroup igneous rocks: intrusive mafic and associated rock--gabbro, troctolite, ferrogranodiorite, granophyre and anorthosite; includes Mellen Intrusive Complex, intrusive complex of Mineral Lake and Round Lake and Clam Lake intrusions
Pkl	Keweenaw Supergroup igneous and metamorphic rocks: Lower volcanic sequence--mafic volcanic rocks and underlying quartzite; includes Powder Mill Group and Bessemer Quartzite
Pku	Keweenaw Supergroup igneous and sedimentary rocks: Upper volcanic sequence--basalt flows and minor interbedded sedimentary rocks; includes Chengwatana Volcanic Group in west and Portage Lake Volcanics in east
Pko	Keweenaw Supergroup sedimentary rocks: Oronto Group--feldspathic sandstone, siltstone, shale and conglomerate; includes Freda and Nonesuch Formations and Copper Harbor Conglomerate

**Phanerozoic sedimentary rocks of Paleozoic age, Cambrian System**

Pbg	Paleozoic or Proterozoic age, Cambrian or Upper Proterozoic System: Bayfield Group--feldspathic quartzose sandstone with some orthoquartzitic sandstone; includes Chequamegon, Devils Island and Orienta Formations
Cu	Sandstone with some dolomite and shale, undivided; includes Trempealeau, Tunnel City and Elk Mound Groups

**Phanerozoic sedimentary rocks of Paleozoic age, Ordovician System**

Opc	Prairie du Chien Group--dolomite with some sandstone and shale; includes Shakopee and Oneota Formations
Oa	Ancell Group--orthoquartzitic sandstone with minor limestone, shale and conglomerate; includes Glenwood and St. Peter Formations
Os	Sinnipee Group--dolomite with some limestone and shale; includes Galena, Decorah and Platteville Formations
Om	Maquoketa Formation--shale, dolomitic shale and dolomite; includes overlying Neda Formation (age uncertain) consisting of oolitic iron oxides and shale

**Phanerozoic sedimentary rocks of Paleozoic age, Silurian System**

Su	Silurian System: dolomite undivided; includes Cayugan, Niagaran and Alexandrian series
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**Phanerozoic sedimentary rocks of Paleozoic age, Devonian System**

Du	Devonian System: dolomite, shaly limestone and shale, undivided
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