



PERIOD	UNIT	DESCRIPTION
JURASSIC	uJg	Redbeds shale, siltstone, sandstone
	uJc	Grand Rivers sandstone
PENNSYLVANIAN	uPc	Grand Rivers sandstone
	lPc	Saginaw shale, siltstone, sandstone, limestone
MISSISSIPPIAN	uMg	Michigan shale, siltstone, sandstone, dolomite
	lMg	Marshall sandstone
	lMc	Coldwater shale, limestone
	lMb	Bedford/Berea/Sutro shale, siltstone, sandstone
DEVONIAN	uDa	Antrim black shale
	mDg	Traverse Group limestone, shale
	mDr	Roger's City limestone
	mDj	Dundas limestone
LOWER DEVONIAN	mDl	Lucas dolomite, limestone
	mDa	Amherstburg dolomite, limestone
	mDf	Farmer limestone, red
	mDg	Detroit River Group dolomite, limestone, evaporites
SILURIAN/DEVONIAN	lDb	Bois Blanc limestone, dolomite
	lDg	Garden Islands sandstone, dolomite
SILURIAN	uSg	Bass Islands dolomite
	uSs	St. Ignace dolomite
	uSf	Saline dolomite, shale, evaporites
	uSp	Pointe aux Chenes dolomite, shale, evaporites
MIDDLE SILURIAN	mSg	Goeths dolomite
	mSe	Francis bituminous dolomite
	mSf	Fossil Hill/Amabel dolomite
	mSa	Amabel dolomite
	mSe	Engadine dolomite
	mSf	Fossil Hill dolomite
	mSm	Manistiquet Group dolomite
	mSmr	Mayville/Burnt Bluff/Manistiquet dolomite
	mSd	Dyer Bay/Wingfield/St. Edmunds dolomite, shale
	mSb	Burnt Bluff Group dolomite
	mSm	Manitoulin/Cabot Head/Dyer Bay/Wingfield/St. Edmunds dolomite
	mSmc	Manitoulin/Cabot Head shale, dolomite
UPPER ORDOVICIAN	uOq	Queenston red shale
	uOk	Kagawong dolomite
	uOj	Meador/Dundas shale/limestone
	uOg	Wekewong/Meador shale, limestone
MIDDLE ORDOVICIAN	uOg	Stoughton/Kagawong dolomite, shale
	uOc	Margaret shale, dolomite
	uOj	Collingwood/Blue Mountain black shale
	uOg	Collingwood/Shequah black shale
LOWER ORDOVICIAN	lOg	Black River Group limestone, dolomite, shale, siltstone
	lOp	Platteville limestone, dolomite, shale
	lOj	St. Peter sandstone
	lOg	Hermansville dolomite
CAMBRIAN	uCa	Munising sandstone, conglomerate
	uCb	Franconia/Treppe/Leau sandstone, siltstone, dolomite
PRECAMBRIAN	Hj	Jacobsville red sandstone, shale, siltstone, conglomerate
	uCa	Alkalic rock-carbonatite complexes
NEOHELKIAN	Nyb	Syenite-diorite-gabbro complexes
	Nax	Lamprophyre and carbonatite dykes, fenite, and diatreme breccia
PALEOHELKIAN	Pca	Alkalic rock-carbonatite complexes
	Pax	Fenite, breccia, lamprophyre

PERIOD	UNIT	DESCRIPTION
PRECAMBRIAN	KILLARNEY SUITE (Grenville Front Zone)	Granitoid rocks; leucogranite, biotite granite, megacrystic (K-feldspar) biotite granodiorite commonly foliated, locally mylonitized
	PLUTONIC ROCKS OF INTERIOR GRENVILLE PROVINCE	Quartz-feldspar porphyry associated with Killarney granites foliated and locally silicified
LATE APHEBIAN	Hb	Carlton Lake pluton; noritic gabbro, locally garnet-bearing
	Hgn	Gneissic biotite granite, leucogranite
	Hgm	Massive/gneissic hornblende quartz monzonite, locally with augite and commonly garnet-bearing; gneissic rocks are migmatitic
	Hgd	Gneissic hornblende-biotite and biotite granodiorite, commonly with K-feldspar megacrysts or augen, migmatitic in part
MIDDLE APHEBIAN	Hdn	Dominantly gneissic hornblende diorite
	Hdn	Gneissic metagabbro, minor dioritic and anorthositic phases
PROTEROZOIC, UNDIVIDED	Pgh	Hypersphere-bearing meta-quartz diorite, minor metagabbro, metadiorite and metagranodiorite; locally gneissic and agmatitic
	Pgd	Gneissic granodiorite
ARCHAIC AND/OR PROTEROZOIC	n	Undivided quartzfeldspathic, biotitic and amphibolitic gneisses, migmatitic in part; mainly supracrustal in origin, but containing highly attenuated metaplutonic rocks in places
	ng	Migmatitic gneiss complex derived dominantly from granitoid plutonic rocks
ARCHAIC	aw	Tonalitic to granodioritic gneiss probably sheared equivalent of Superior Province unit Agf
	awn	Dominantly biotitic gneiss, migmatitic in part, and locally enclosing amphibolite lenses and blocks probably sheared equivalent of Superior Province unit Aw
SOUTHERN PROVINCE - MICHIGAN, WISCONSIN	ag	Granite
	agf	Tonalite, quartz syenite
SOUTHERN PROVINCE - ONTARIO	av	Mafic volcanic rocks
	avb	Felsic and intermediate volcanic rocks

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