

L E G E N D

(MAPS 105 N, O; 106 A, B, C)
not all map units present on all maps

TERTIARY

Tv andesite, dacite, basalt and pyroclastic

Cretaceous (?)

Kg Medium- to coarse-grained quartz monzonite and granodiorite
Ky, syenite

Kd Diorite: locally porphyritic, commonly sheared and altered; age uncertain, may be older than Mesozoic

TRIASSIC upper Triassic

Rq Blue grey massive quartzite; minor dark shale, in part calcareous, possibly equivalent to Keno Hill Quartzite and/or Lower Schist division

CARBONIFEROUS or PERMIAN

CP Flaggy to thin-bedded dolomite, sandy dolomite and fine-grained ortho quartzite, minor dark shale

DEVONIAN and MISSISSIPPIAN

DMss Fine- to medium-grained white orthoquartzite; some granule and coarse-grained sand; minor chert-pebble conglomerate and dark shale

DMcgl resistant weathering massive chert pebble and cobble conglomerate

DM Black shale and argillite; minor chert arenite and chert pebble conglomerate

DEVONIAN and (?) MISSISSIPPIAN

DMs Besa River Formation: Black shale and siltstone, locally pyritic

DEVONIAN middle Devonian, Givetian

Dn Nahanni Formation: massive, thick-bedded, fine- medium grained light grey weathering limestone

Dh Headless Formation: buff brown weathering argillaceous and silty, platy fine-grained limestone

middle Devonian, Eifelian and Givetian

DI Landry Formation: (1) well bedded light grey to white weathering grey and brown crypto-grained limestone in part massive, reefoid
(2) dark grey to black argillaceous platy limestone

middle Devonian

Da Arnica Formation: dark grey to black commonly laminated dolomite, minor light grey dolomite and dark grey limestone; local massive vuggy breccia

lower Devonian

Ds Sombre Formation: light and medium grey, regularly bedded fine-grained dolomite

Dc Camsell Formation: light grey and buff weathering massive, porous limestone breccia

SILURIAN & DEVONIAN

SDd Delorme Formation: buff to orange weathering, brown and grey platy to thin-bedded fine-grained dolomite and limestone

ORDOVICIAN & SILURIAN

OSk upper Ordovician and Silurian
Mount Kindle Formation: thick-bedded, dark grey to black and minor light grey weathering dolomite, locally massive vuggy and reefoid

middle Ordovician

Ov Dark green and orange to brown weathering basic volcanic conglomerate, amygdaloidal flows and greywacke

CAMBRIAN & ORDOVICIAN

EO Light brown and buff weathering platy and flaggy, wavy banded, silty dolomite and limestone

lower Cambrian

Es Sekwi Formation: brown and orange weathering thin-bedded dolomite, grey and buff mottled limestone, brown shale and sandstone

ECq Backbone Ranges Formation: ECq, varicoloured quartzite, siltstone and shale, minor silty and sandy dolomite. ECq, buff to orange weathering and mauve dolomite, in part silty and sandy, minor quartzite and shale. EC1, pale buff grey weathering poorly bedded in part psolitic dolomite, minor quartzite. EC2, buff yellow weathering, in part porous fine-grained dolomite. May be Hadrynian in part.

HADRYNIAN and (?) CAMBRIAN

HEsc Sheepbed Formation: brown and black recessive slate, siltstone minor quartzite, conglomerate and light grey carbonate

HADRYNIAN

Hk Keele Formation: orange and brown weathering, commonly silty and sandy dolomite; in part well laminated and flaggy

Hru Rapitan Group, Upper Division: brown weathering green grey to dark grey shale and siltstone.

Hrm Rapitan Group, Middle Division: brown to orange brown weathering conglomeratic silty and sandy mudstone and carbonate conglomerate.

Hsfe maroon, red, green, brown and black slate, minor sandstone and basal conglomerate

HELIKIAN

Hc Hs c, orange weathering grey, pink and buff fine-grained dolomite s, dark slate, minor siltstone and argillaceous dolomite

Hsc dark slate and argillite, minor fine-grained quartzite and limestone

Hcs grey weathering interbedded dark argillite and limestone, minor biotite calc-silicate hornfels

ORDOVICIAN to Mississippian

Ps Black shale, chert arenite and chert-pebble conglomerate, argillite and argillaceous chert, minor blue grey quartzite dark argillaceous limestone and grey to green chert; predominantly Devono-Mississippian "Black Clastic" Group; undivided minor Ordovician - Silurian Road River Formation. Possibly includes Triassic black shales in northwest corner of Lansing map-area.

SILURIAN & DEVONIAN

SDc light grey, well bedded dolomite; minor limestone near top; ODc1, undivided OSk and SDc

ORDOVICIAN, SILURIAN & lower DEVONIAN

OSDr Road River Formation: black shale, siltstone, commonly calcareous; minor argillaceous dark limestone.
OSsls, interbedded argillite, limestone and metamorphosed equivalents. OSs, Ordovician to Silurian shale and argillite

HADRYNIAN

Hd (1) grey weathering medium to thick bedded fine grained dolomite; basal dark brown conglomerate Hcgl
(2) light grey buff weathering, porous fine-grained dolomite

Hsq Hsc Hsq brown shale, siltstone and conglomerate, minor orange weathering platy dolomite

Hsc interbedded platy orange weathering dolomite, brown and black shale and sandstone

Hc (1) orange weathering banded dolomite and minor limestone
(2) grey weathering dolomite and limestone

Hs "Grit Unit": brown, grey, red and green slate, siltstone, feldspathic sandstone and conglomerate, minor grey dolomite and limestone;
Hls, grey and orange weathering dolomite and limestone;
Hv, dark green and brown, basic volcanic and volcanoclastic rocks

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