

# LEGEND

(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

### upper Ordovician and Silurian

**OSk** 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

**Eqc** Backbone Ranges Formation: **Eq**, 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 psalitic 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

**HsqHsc** **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

OPEN FILE  
205  
June 1974  
GEOLOGICAL SURVEY  
OTTAWA