



CENOZOIC		MESOZOIC		PALEOZOIC		CARBONIFEROUS	
QUATERNARY		TRIASSIC		PERMIAN		PENNSYLVANIAN	
Qhmm	Undifferentiated Quaternary sediments (Q). Man-made deposits (Qhmm).	R	Undifferentiated Permian Supergroup rocks (R). Undifferentiated Upper Permian Supergroup rocks (R). Dominantly freshwater, cross-bedded quartzite sandstone and siltstone with micaceous siltstone and mudstone (correlate in part of Ross Formation) (R).	P	Thin to thick-bedded, generally poorly fossiliferous marine siltstone and sandstone with limestones, basal beds include dark grey calcareous siltstone, upper beds of very sparsely fossiliferous white mudstone with red stains (correlate in part of Deep Bay Formation; basal beds correlate in part of Nassau Formation) (P).	P	Dark grey to black, generally poorly fossiliferous marine siltstone, sandstone and impure limestone with limestones (correlate of Bundella Formation) (P).
Qhab	Marsh and swamp deposits (Qhab), highland marsh deposits with common protruding dolerite outcrops and boulders (Qhab).	Pic	Freshwater cross-bedded felspathic sandstone, micaceous siltstone, carbonaceous beds and coal lenses at places (correlate of Cypert Coal Measures) (Pic).	Pu	Uniform, poorly bedded dark grey marine mudstone and siltstone with sparse glauconites, fossils, limestones (correlate of Woody Island Siltstone) (Pu).	Pw	Dark grey to black, generally poorly fossiliferous marine siltstone, sandstone and impure limestone with limestones (correlate of Bundella Formation) (Pw).
Qa	Alluvial gravel, sand and clay (Qa). Some alluvial fans indicated (Qaf).	Pub	Undifferentiated Permian-Carboniferous sediments (P). Generally unfossiliferous medium to thick-bedded marine siltstone and sandstone with limestones, some intensely bedded beds and rare conglomeratic siltstone layers, laminated dark grey, micaceous siltstone with foraminifera at top (correlate of Abels Bay Formation) (Pub).	Pu1	Well-sorted, fine to coarse-grained marine felspathic sandstone with quartz granules and pebbles (correlate of Ristdon Sandstone) (Pu1).	Pw1	Medium to thick-bedded, generally poorly fossiliferous pebbly marine siltstone and sandstone sequence, with clogging, oolite-down weathered coarse-grained sandstone with cobble horizons at the base, and fossiliferous sandstone at the top (correlate of Menie Point Formation) (Pw1).
Qpao	Some alluvial terrace deposits indicated (Qpao).	Pu2	Thin to thick-bedded, generally poorly fossiliferous marine siltstone and sandstone with limestones, basal beds include dark grey calcareous siltstone, upper beds of very sparsely fossiliferous white mudstone with red stains (correlate in part of Deep Bay Formation; basal beds correlate in part of Nassau Formation) (Pu2).	Pu3	Medium to thick-bedded, generally poorly fossiliferous pebbly marine siltstone and sandstone sequence, with clogging, oolite-down weathered coarse-grained sandstone with cobble horizons at the base, and fossiliferous sandstone at the top (correlate of Menie Point Formation) (Pu3).	Pw2	Thin to thick-bedded, generally poorly fossiliferous marine siltstone and sandstone with limestones, basal beds include dark grey calcareous siltstone, upper beds of very sparsely fossiliferous white mudstone with red stains (correlate in part of Deep Bay Formation; basal beds correlate in part of Nassau Formation) (Pw2).
Qc	Colluvial sand, gravel and clay (Qc).	Pu4	Well-sorted, fine to coarse-grained marine felspathic sandstone with quartz granules and pebbles (correlate of Ristdon Sandstone) (Pu4).	Pu5	Medium to thick-bedded, generally poorly fossiliferous pebbly marine siltstone and sandstone sequence, with clogging, oolite-down weathered coarse-grained sandstone with cobble horizons at the base, and fossiliferous sandstone at the top (correlate of Menie Point Formation) (Pu5).	Pw3	Thin to thick-bedded, generally poorly fossiliferous marine siltstone and sandstone with limestones, basal beds include dark grey calcareous siltstone, upper beds of very sparsely fossiliferous white mudstone with red stains (correlate in part of Deep Bay Formation; basal beds correlate in part of Nassau Formation) (Pw3).
Qs	Lag and colluvium of quartz gravel, sand and silt including silica flour, in part derived from Proterozoic-Cambrian carbonates (Qs).	Pu6	Well-sorted, fine to coarse-grained marine felspathic sandstone with quartz granules and pebbles (correlate of Ristdon Sandstone) (Pu6).	Pu7	Medium to thick-bedded, generally poorly fossiliferous pebbly marine siltstone and sandstone sequence, with clogging, oolite-down weathered coarse-grained sandstone with cobble horizons at the base, and fossiliferous sandstone at the top (correlate of Menie Point Formation) (Pu7).	Pw4	Thin to thick-bedded, generally poorly fossiliferous marine siltstone and sandstone with limestones, basal beds include dark grey calcareous siltstone, upper beds of very sparsely fossiliferous white mudstone with red stains (correlate in part of Deep Bay Formation; basal beds correlate in part of Nassau Formation) (Pw4).
Qd	Talus (Qd); talus consisting dominantly of Jurassic dolerite boulders (Qd); dominantly of Upper Permian Supergroup quartz sandstone (Qd); dominantly of dolerite and subordinate Upper Permian Supergroup sandstone (Qd); dominantly of Lower Permian Supergroup rocks (Qd); dominantly of Lower Permian Supergroup rocks and Jurassic dolerite (Qd); dominantly of Devonian Group quartz sandstone (Qd).	Pu8	Well-sorted, fine to coarse-grained marine felspathic sandstone with quartz granules and pebbles (correlate of Ristdon Sandstone) (Pu8).	Pu9	Medium to thick-bedded, generally poorly fossiliferous pebbly marine siltstone and sandstone sequence, with clogging, oolite-down weathered coarse-grained sandstone with cobble horizons at the base, and fossiliferous sandstone at the top (correlate of Menie Point Formation) (Pu9).	Pw5	Thin to thick-bedded, generally poorly fossiliferous marine siltstone and sandstone with limestones, basal beds include dark grey calcareous siltstone, upper beds of very sparsely fossiliferous white mudstone with red stains (correlate in part of Deep Bay Formation; basal beds correlate in part of Nassau Formation) (Pw5).
Qdb	Deeply weathered dolerite boulder deposits. Large (>1.5m) transported dolerite boulders (Qdb).	Pu10	Well-sorted, fine to coarse-grained marine felspathic sandstone with quartz granules and pebbles (correlate of Ristdon Sandstone) (Pu10).	Pu11	Medium to thick-bedded, generally poorly fossiliferous pebbly marine siltstone and sandstone sequence, with clogging, oolite-down weathered coarse-grained sandstone with cobble horizons at the base, and fossiliferous sandstone at the top (correlate of Menie Point Formation) (Pu11).	Pw6	Thin to thick-bedded, generally poorly fossiliferous marine siltstone and sandstone with limestones, basal beds include dark grey calcareous siltstone, upper beds of very sparsely fossiliferous white mudstone with red stains (correlate in part of Deep Bay Formation; basal beds correlate in part of Nassau Formation) (Pw6).

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ORDOVICIAN		CAMBRIAN		CAMBRIAN		CAMBRIAN	
Ol	Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone and black clay weathering products. In part fossiliferous (Gordon Group and corollas) (Ol), dolomite, micritic limestone (Benjamin Limestone) (Ol).	Cal	Quartz-rich lithic sandstone and minor conglomerate of metamorphic, volcanic and dolomitic provenance, and mudstone (Cal).	Cw	Chert, usually massive or brecciated, with minor mudstone (Cw). Pyritic chert indicated (Cwcp).	Cw1	Miscellaneous lithic sandstone of metamorphic and volcanic provenance, mudstone, red mudstone, and minor chert (Cw1).
Olc	Oncolitic calcarenite (Cashons Creek Limestone) (Olc).	Cw2	Felspathic wacke with common, very-coarse grains of muscovite and grains of garnet and biotite, interlayered with grey-green mudstone and minor felspathic wacke, red mudstone, chert and fine-grained, basic igneous rock (Cw2).	Cw3	Interbedded fine-grained dolomite, carbonaceous mudstone and laminated chert (Cw3).	Cw4	Basalt (Cw4). Associated volcanic breccia (Cw4b).
Olk	Micritic limestone, usually with chert nodules (Karnberg Limestone) (Olk).	Cw5	Basalt (Cw5). Associated volcanic breccia (Cw5b).	Cw6	Basalt (Cw6). Associated volcanic breccia (Cw6b).		
Osf	Siltstone and calcareous shale (Florentine Valley Formation) (Osf).						
OCst	Quartz sandstone and chert-clast conglomerate (Tim Shea Sandstone) (OCst).						

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