



REFERENCE

QUATERNARY (HOLOCENE)

- Qa Alluvium, swamp and marsh deposits.
- Qs Sand and talus of dominantly detrital (Qsp); metaquartzite (Qsq); orthoquartzite or quartz sandstone (Qsq); conglomerate (Qsc).
- Qd Alluvium (Qdgl and Qdgr) of dominantly well-sorted metaquartzite cobbles.
- Qf Fill (Qf) with marine ridge crests indicated (-----) deep weathered fill (Qf); fine-grained fluvio-glacial deposits of sand and gravel (Qfg); steeply-inclined, fluvio-lacustrine deposits of interbedded gravel, sand and clay (Qf) (DN45852).
- Ql Low-angle unconformity.

QUATERNARY (PLEISTOCENE)

- Pt1a Pebbly fossiliferous marine sandstone, siltstone and mudstone. (Upper Glacio-Marine Sequence).
- Pt1b Well-sorted, cross-bedded sandstone and siltstone. (Fresh-water sequence, correlate of Lilyford Group).
- Pt1c Pebbly fossiliferous marine sandstone (Correlate of Bonville Member).
- Pt1d Massive dark grey pebbly mudstone with rare glauconites (Pgl). (Correlate of Woody Island Siltstone).
- Pt1e Conglomerate (locally massive and poorly-sorted), pebbly mudstone, and minor laminated siltstone.
- Note: Pt1b, Pt1c and Pt1e are correlates of Lower Glacio-Marine Sequence.
- Pt1f Angular unconformity.

CARBONIFEROUS (?)

- C1 Well-bedded and massive, generally fine-grained carbonates (Benjamin Limestone and correlates).
- C2 Doloitic carbonates (Cushion Creek Limestone).
- C3 Generally poorly-bedded, fine-grained, strophic carbonates. Chert nodules locally present. (Karnberg Limestone and correlates).
- C4 Fossiliferous, calcareous, locally glauconitic sandstone with mudstone. Chert bands at DN17659.
- C5 Quartz sandstone (Benjamin Limestone) (BCL).
- C6 Massive, cross-bedded quartz sandstone with abundant worm casts; minor basal conglomerate against C basement.
- C7 Interbedded cross-bedded quartz sandstone, pebbly quartz sandstone and siltstone, well-sorted pebbly conglomerate (Cp).
- C8 Minor cobbly conglomerate (C8c). (Conglomerate with chert and shale clasts at DN45859) (C8c).
- C9 Thickly bedded, well-sorted, siliceous cobbly conglomerate.
- C10 Massive quartz sandstone with worm casts; minor basal conglomerate.
- C11 Angular unconformity.

ORDOVICIAN

- O1 Predominantly interbedded red mudstone, chert, siltstone, sand and shale. Small dolomite bodies present.
- O2 Lithomelange with abundant grains of chert interbedded with grey-green mudstone, minor chert and siltite conglomerate.
- O3 Lithomelange with predominantly metaquartzite grains interbedded with grey-green mudstone with fossils at DN49158 and minor dolomite conglomerate (O3c), predominantly conglomerate (O3b).
- O4 Small occurrence of well-sorted quartz sandstone (O4a) with relatively large, angular fragments of chert. Carbonaceous layers (O4c).
- O5 Chert interlayers common (O5a). Some chert layers indicated. (O5a).
- O6 Predominantly interbedded red mudstone, chert, siltstone, sand and shale. Small dolomite bodies present.
- O7 Lithomelange with abundant grains of chert interbedded with grey-green mudstone, minor chert and siltite conglomerate.
- O8 Lithomelange with predominantly metaquartzite grains interbedded with grey-green mudstone with fossils at DN49158 and minor dolomite conglomerate (O8c), predominantly conglomerate (O8b).
- O9 Small occurrence of well-sorted quartz sandstone (O9a) with relatively large, angular fragments of chert. Carbonaceous layers (O9c).
- O10 Indicate presence of scattered outcrops of ultramafic rocks.
- Note: O1c = O1c, O2c = O2c, O3c = O3c, O4c = O4c, O5c = O5c, O6c = O6c, O7c = O7c, O8c = O8c, O9c = O9c, O10c = O10c, O11c = O11c, O12c = O12c, O13c = O13c, O14c = O14c, O15c = O15c, O16c = O16c, O17c = O17c, O18c = O18c, O19c = O19c, O20c = O20c, O21c = O21c, O22c = O22c, O23c = O23c, O24c = O24c, O25c = O25c, O26c = O26c, O27c = O27c, O28c = O28c, O29c = O29c, O30c = O30c, O31c = O31c, O32c = O32c, O33c = O33c, O34c = O34c, O35c = O35c, O36c = O36c, O37c = O37c, O38c = O38c, O39c = O39c, O40c = O40c, O41c = O41c, O42c = O42c, O43c = O43c, O44c = O44c, O45c = O45c, O46c = O46c, O47c = O47c, O48c = O48c, O49c = O49c, O50c = O50c, O51c = O51c, O52c = O52c, O53c = O53c, O54c = O54c, O55c = O55c, O56c = O56c, O57c = O57c, O58c = O58c, O59c = O59c, O60c = O60c, O61c = O61c, O62c = O62c, O63c = O63c, O64c = O64c, O65c = O65c, O66c = O66c, O67c = O67c, O68c = O68c, O69c = O69c, O70c = O70c, O71c = O71c, O72c = O72c, O73c = O73c, O74c = O74c, O75c = O75c, O76c = O76c, O77c = O77c, O78c = 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