

# LEGEND

## QUATERNARY

**Q** Stream, deltaic, glacial, and marine beach sediments (mapped only where underlying bedrock geology could not be inferred with reasonable certainty)

## CRETACEOUS (AND POSSIBLY TERTIARY)

**KTi** **IGNEOUS ROCKS:** andesite; dykes and plugs; includes one flow that is interbedded with the Eureka Sound Formation at the head of Freemans Cove

**KTe** **EUREKA SOUND FORMATION:** Sandstone, shale, coal, interbedded basic lava flow

## JURASSIC

**Jj** **JAEGER FORMATION:** Sandstone, quartzose

## TRIASSIC

**Rh** **HEIBERG FORMATION:** Quartz sandstone, minor ferruginous sandstone and coal

**Rs** **SCHEI POINT FORMATION:** Calcareous sandstone, bioclastic limestone

**Rb** **BJORNE FORMATION:** Quartz sandstone, crossbedded

## PERMIAN

**Ptf** **TROLD FIORD FORMATION:** Sandstone, glauconitic, minor chert

**Pbc** **BELCHER CHANNEL FORMATION:** Limestone, dolomitic, porous to vuggy; minor chert

## DEVONIAN

### MIDDLE AND UPPER DEVONIAN MELVILLE ISLAND GROUP

**Dmg** **GRIPER BAY FORMATION:** Quartz sandstone, siltstone, shale, commonly greenish weathering

### MIDDLE AND UPPER DEVONIAN

**Dmh** **HECLA BAY FORMATION:** Quartz sandstone, resistant to recessive

### MIDDLE DEVONIAN

**Dbi** **BIRD FIORD FORMATION:** Limestone, quartz sandstone, siltstone, commonly greenish

### LOWER AND MIDDLE DEVONIAN

**Dbl** **BLUE FIORD FORMATION:** Limestone; micritic in south and east; biostromal to the north and west

**De** **EIDS FORMATION:** Limestone, siltstone, shale, fissile, recessive in north and west, resistant in east and south

### LOWER AND MIDDLE DEVONIAN

**Dd** **DISAPPOINTMENT BAY FORMATION:** Dolomite, porous to vuggy, resistant, light cream

### LOWER DEVONIAN

**Dst** **STUART BAY FORMATION:** Siltstone, shale, limy, minor conglomerate and limestone interbeds; in south and east limestone is abundant

**Db** **BATHURST ISLAND FORMATION:** Siltstone, fine grained sandstone, dolomite, minor limestone

**D** **BATHURST ISLAND AND STUART BAY FORMATIONS:** (Undivided)

## UPPER ORDOVICIAN TO LOWER DEVONIAN

**O-Dep** **CAPE PHILLIPS FORMATION:** Siltstone, shale, argillaceous limestone; graptolitic; minor dolomite

## MIDDLE AND UPPER ORDOVICIAN

### CORNWALLIS GROUP

**Octi** **IRENE BAY FORMATION:** Limestone, thin bedded, green limy shale interbeds; recessive  
**THUMB MOUNTAIN FORMATION:** Limestone, thick bedded bluff forming minor dolomite

**Ocb** **BAY FIORD FORMATION:** Anhydrite and anhydritic shale, caprock of limestone and limy dolomite

OPEN FILE

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GEOLOGICAL SURVEY  
OTTAWA