GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

GEOLOGICAL MAP

LEGEND

CRETACEOUS-TERTIARY
- EUREKA SOUND FORMATION

PALEOZOIC
- PEEL SOUND FORMATION
- SOMERSET ISLAND FORMATION
- READ BAY FORMATION, CAPE STORM FORMATION, CAPE CRAUFORD FORMATION, ALLEN BAY FORMATION
- IRENE BAY FORMATION, THUMB MOUNTAIN FORMATION, BAY FIORD FORMATION, SHIP POINT FORMATION, TURNER CLIFFS FORMATION

HELIKIAN
- HUNTING FORMATION, ASTON FORMATION

APHEBIAN
- GNEISSIC SHIELD

Line of section
Location of stratigraphic sections
Exploratory well (dry and abandoned)
Fault

LEGEND

ROCK TYPES
- Dolomite, thick bedded to massive
- Dolomite, laminated to medium bedded
- Dolomite, fissile, impure (silty)
- Calcareous dolomite, dolomitic limestone
- Limestone
- Sandstone
- Shale
- Covered interval

FOSSIL TYPES
- Corals C
- Crinoids ..... Cr
- Brachiopods ..... B
- Gastropods ..... G
- Graptolites ..... Gr
- Nautiloids ..... N
- Ostracodes ..... O
- Stromatoporoids ..... S
- Trilobites ..... T
- Arctic Ordovician fauna ..... AOF

Formation boundary
Member boundary
Unconformity

ACCESSORIES, LITHOLOGIES, STRUCTURES
- Intraclast breccia
- Chert ..... Δ
- Stromatolite ..... St
- Bioclastic
- Bioturbated ..... b
- Trace fossils (on bedding surfaces) ..... h
- Oolitic ..... β
- Ripple marks
- High angle crossbedding
- Low angle crossbedding
- Shaly
- Anhydrite ..... a
- Sandy
- Dolomitic
- Calcareous

APHEBIAN METAMORPHIC ROCKS ..... A
PROTEROZOIC ..... P

NOTES

1. The Franklin Strait Formation may include a major unconformity at the type section. Units above and below the unconformity are herein assigned to the Allen Bay and Ship Point Formations on northeastern Boothia Peninsula.
2. The Turner Cliffs-Ship Point contact may be a regional disconformity (Table 2, Figure 3; Trettin, 1969, 1975) but there is no evidence of angular discordance in the report area.
3. There is no evidence that the post-Bay Fiord and post-Irene Bay unconformities extend to eastern Somerset Island (Section 21).
4. Stratigraphic names that have been discarded for the purpose of this report are shown within brackets.
5. Stratigraphic section unit numbers at left of columns are referred to in the appendix.

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Figure 2. Stratigraphic cross-section of Cambrian to Silurian rocks, and geological map of Somerset Island and northern Boothia Peninsula

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