



JAMES BAY

SUPERIMPOSED CONTOURS (DERIVED LARGELY FROM F.S. 3849) ARE OFTEN IN CONFLICT WITH THE POSTED SOUNDINGS OF THE BASEMAP, CHART 5800. THE DATA OF 3849 IS WEIGHTED ABOVE DATA OF CHART 5800.

METRES TO FATHOMS CONVERSION TABLE

| METRES | FATHOMS |
|--------|---------|
| 20 | 11 |
| 40 | 22 |
| 60 | 33 |
| 80 | 44 |
| 100 | 55 |

CONTOURS REPRESENT A SYNTHESIS OF DATA FROM THE FOLLOWING CHART & FIELD SHEETS
 a) FIELD SHEET 3849 GRAVITY BASE (d) CHART 5800
 b) FIELD SHEET 3786
 c) FIELD SHEET 3816

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LEGEND

- Ice Scoured Area?**

 Seafloor is sediment-covered to a depth at times exceeding 10 m. Bottom is smooth on a regional scale but echograms are typified by micro-topographic serrations a few metres deep. These serrations may represent ice scours by keels of pressure ridges on moraine topography.
- Smooth Area**

 Seafloor is sediment-covered and smooth on a regional scale but echograms show sediment thickness to be about constant over a fairly even reflector. Thicknesses may be 10 m or more. The smooth or undulose basal sub-bottom reflector may be a till surface or the top of Palaeozoic bedrock. This smooth area is thought to be generally floored by Palaeozoic bedrock.
- Rugged Area**

 Seafloor is characterized by a rugged topography of high relief. Acoustically-transparent sediment is ponded between and draped over bedrock highs; highs that in places show great relief. Ponded sediment may be over 50 m thick. Bedrock may protrude through the sediment and rise to sea level as small islands and shoals.
- Approximate NARVAL 1972 survey tracks on which interpretation is based (MS268 echo sounder).**
- Approximate survey track of NARVAL D 1973 shown in Enclosure 9 (EDO 9040 echo sounder)**
- Approximate sparker survey track of Launch NEEDLE, 1965**
- Geological contact, known and assumed**
- Bathymetric contour, contour interval 20 m**

PROVISIONAL EDITION JAMES BAY 5800

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MARINE GEOLOGICAL DATA SYNTHESIS
GENERALIZED GEOMORPHOLOGY
 SUPERIMPOSED ON BATHYMETRY C 1:20m
 BASED ON ECHOGRAM INTERPRETATION

| | | |
|---|-----------------|---------------------|
| ENCLOSURE 8 | SCALE 1:500,000 | PROJECTION MERCATOR |
| GEOMARINE DRG. 75/5/ | | DATE: DEC 1975 |
| FOR: CAN. DEPT. OF ENVIRON. - B.I.O. SCIENTIFIC AUTH: DR. K. KRANCK | | |
| GEOMARINE ASSOCIATES LTD. HALIFAX NOVA SCOTIA | | |

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 GEOLOGICAL SURVEY
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