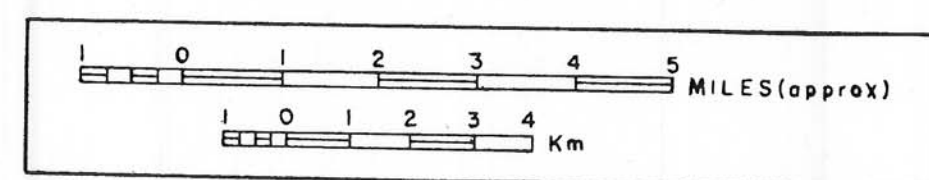


# SURFICIAL GEOLOGY AND GEOMORPHOLOGY PRINCE OF WALES ISLAND

## MAP 1

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1976



UNCONTROLLED PHOTOMOSAIC BASE

### EXPLANATION OF MAP SYMBOLS

#### DOMINANT TEXTURE

- r - rock rubble
- g - gravel
- s - sand
- f - silt and fine sand
- t - clay to fine sand
- t - till

#### BEDROCK TYPE

(superscript)

- g - granitic
- c - carbonate
- s - sandstone
- sh - shale
- cg - conglomerate
- ES - Eureka Sound Formation

#### ORIGIN

- M - moraine
- I - ice-contact outwash
- F - proglacial outwash
- m - marine
- D - deltaic
- A - alluvial (inactive)
- A - alluvial (active)
- B - bedrock
- W - weathered product

#### MORPHOLOGY

- p - plain
- m - rolling
- h - hummocky
- r - ridged
- t - terraced
- k - kettled
- f - fan

#### MORPHOLOGIC MODIFIER

- D - dissected
- W - washed

#### RELIEF CLASS

- 1 - less than 3 metres
- 2 - 3 to 20 metres
- 3 - 20 to 50 metres
- 4 - greater than 50 metres

#### SLOPE CLASS

(numeric superscript)

- 1 - less than 5 degrees
- 2 - 5 to 15 degrees
- 3 - 15 to 35 degrees
- 4 - greater than 35 degrees

- Glacial striae (ice direction known, not known)
- Drumlin, drumlinoid, fluting (ice direction indicated, not indicated)
- Crag - and - tail (ice movement in direction of arrow)
- Moraine ridge
- Esker (direction of flow assumed, uncertain)
- Meltwater channel (large, small)
- Abandoned beach ridge
- Escarpment
- Retrogressive thaw-flow slide
- Ice wedge polygons (areas known to contain ice wedges)
- Rock glacier

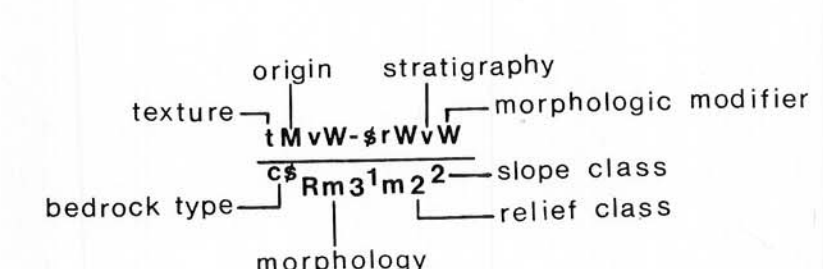
#### COMPOSITE UNITS

- / first of units covers more than 80% of total unit area
  - first of units covers 60 - 80% of total unit area
  - = units are of roughly equal proportions
- Notes: units which comprise less than 5% of the total area of another unit are not mapped

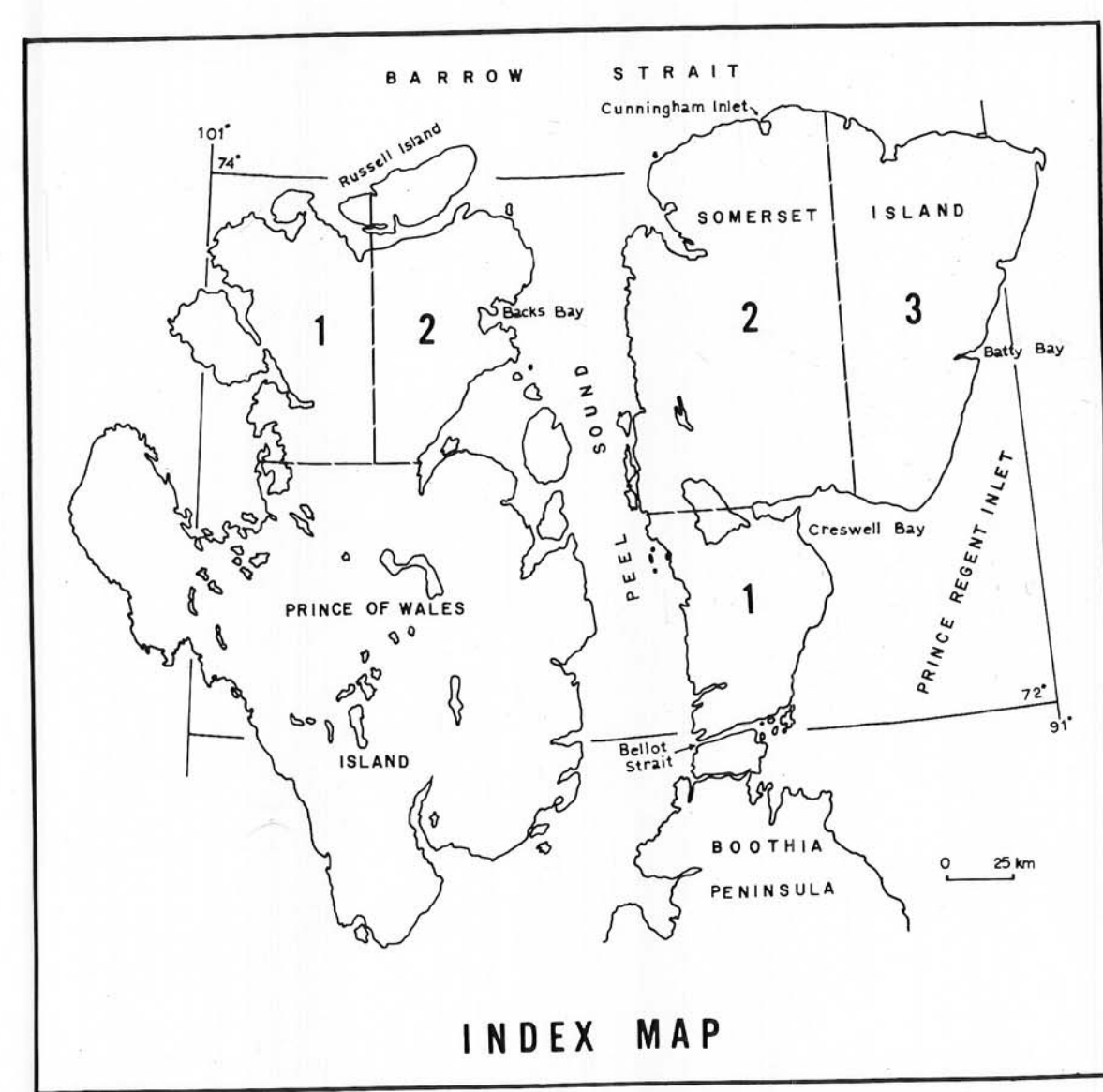
#### STRATIGRAPHY

Veneer units (less than 1.5 metres thick) are indicated by the lower case letter 'v' after the generic symbol. A horizontal line separates the veneer unit symbols from the symbols representing the underlying unit.

#### EXAMPLE



Describes an area which consists of gently rolling carbonate and shale bedrock with macroscopic relief of 20 - 50 m and slopes commonly less than 5°. Superimposed on this gently rolling landscape occur lower bedrock hills (relief 5-20 m) with steeper slopes of 5 - 15°. About 60 - 80% of the area is covered by a veneer (less than 1.5 m) of till; the remainder (20 - 40% of the area) is covered by a veneer of silty rubble produced by weathering of the bedrock. The entire area was once below water. This has to some extent modified the original materials through sorting and/or redeposition.



INDEX MAP

Refer to extended legend for additional information

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