

# LEGEND

## TERMINI (Map Symbols)

### GENETIC LANDFORM CLASS

- M moraine
- D deltic
- F glaciofluvial
- I ice contact
- A alluvial
- L modern alluvial floodplain
- cd bedrock (granitic)
- cb bedrock (carbonate)

### MORPHOLOGICAL AND SURFACE FORM

- (Lower case) p plain - flat
- w rolling
- h hummocky
- r ridged
- l terraced
- b beveled
- f fan
- v vesicor

### MORPHOLOGICAL MODIFIER (Upper case)

- D dissected
- W washed
- B boulder-covered

### RELIEF CLASS (numerical subscript)

- 1 less than 5 metres
- 2 5 - 20 metres
- 3 21 - 50 metres
- 4 greater than 50 metres

### SLOPE CLASS (numerical, on line)

- 1 1 - 5 degrees
- 2 6 - 15 degrees
- 3 16 - 35 degrees
- 4 greater than 35 degrees
- 5 complex slopes

## VEGETATION COVER CLASSES

### (Map Symbols)

- 1 - Overgrazed (less than 10%)
- 2 - Sparse (10 - 40%)
- 3 - Moderate (41 - 70%)
- 4 - Abundant (71 - 90%)
- 5 - Continuous (91 - 100%)

## SOIL AND VEGETATION

Map Symbol	Region 1 and Ecotactic	Parent Material	Ground Ice and Ice Content	Soil Association	Soil Name and Drainage 2	Depth of Thaw (cm)	Vegetation 3
A11		Moderately to strongly calcareous sand and gravel, ice contact and glaciofluvial materials.	Ice wedges and segregated ice crystals. Low to high ice content.	Abernathy 1	Brumolitic Static Cryosol (U, 1, 2)	60-90	Her, Dr-L, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
A12		Less than 1.5 m of moderately calcareous sand and gravel, ice contact and glaciofluvial materials over Precambrian bedrock.	Segregated ice crystals. Low ice content.	Abernathy 2	Brumolitic Static Cryosol (U, 1, 2)	60-90	Her, Dr-L, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
A13		Extremely calcareous, sandy loam to sandy clay loam glacial till.	Segregated ice crystals and vein ice, some ice lenses in poorly drained areas. Medium to low ice content.	Antonyouan 1	Brumolitic Turbic Cryosol (U, 1, 2)	70-90	H, Dr-Ca, Dr-Sa, Sa(Cb), Sa-L, Sa-Ca, Ca-L, Ca-Sa-Mo
A14		Less than 1.5 m of extremely calcareous sandy loam to sandy clay loam glacial till over limestone bedrock.	Segregated ice crystals and vein ice. Medium to low ice content.	Antonyouan 2	Brumolitic Turbic Cryosol (U, 1, 2)	70-90	H, Dr-Ca, Dr-Sa, Sa(Cb), Sa-L, Sa-Ca, Ca-L, Ca-Sa-Mo
A15		Less than 1.5 m of moderately calcareous sandy loam to sandy clay loam glacial till over limestone bedrock.	Segregated ice crystals and vein ice. Medium to low ice content.	Antonyouan 3	Brumolitic Turbic Cryosol (U, 1, 2)	70-90	H, Dr-Ca, Dr-Sa, Sa(Cb), Sa-L, Sa-Ca, Ca-L, Ca-Sa-Mo
A16		Moderately to strongly calcareous marine sand and gravel.	Ice wedges and segregated ice crystals. Low to high ice content.	Nudlukta 1	Brumolitic Static Cryosol (U, 1, 2)	60-90	H, Dr-L, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
A17		Less than 1.5 m of moderately calcareous marine sand and gravel over Precambrian bedrock.	Segregated ice crystals. Low ice content.	Nudlukta 2	Brumolitic Static Cryosol (U, 1, 2)	60-90	H, Dr-L, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
A18		Less than 1.5 m of moderately calcareous sandy loam to sandy clay loam glacial till over limestone bedrock.	Ice wedges and segregated ice crystals. Low to high ice content.	Nudlukta 3	Brumolitic Static Cryosol (U, 1, 2)	60-90	H, Dr-L, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
A19		Moderately calcareous sand and gravel alluvium.	Ice lenses and segregated ice crystals. Medium ice content.	Sanagak 1	Brumolitic Turbic Cryosol (U, 1, 2)	40-60	Her, Dr-Cr, Dr-Cr-Mo
A20		Moderately calcareous recent sand and gravel alluvium.	Ice lenses and segregated ice crystals. Medium ice content.	Sanagak 2	Brumolitic Turbic Cryosol (U, 1, 2)	30-50	Ca-Mo
A21		Moderately calcareous silt loam to silty clay marine deposit.	Massive ground ice in near surface permafrost (0.5 m or more thick). Ice lenses, segregated ice crystals and vein ice are also common. High ice content.	Mary Jones 1	Brumolitic Turbic Cryosol (U, 1, 2)	50-70	L-Dr-Ca, Dr-Ca-L, Ca-Mo-L, Ca-Mo
A22		Less than 1.5 m of moderately calcareous silt loam to silty clay marine deposit over Precambrian bedrock.	Ice lenses, segregated ice crystals and vein ice. High ice content.	Mary Jones 2	Brumolitic Turbic Cryosol (U, 1, 2)	50-70	L-Dr-Ca, Dr-Ca-L, Ca-Mo-L, Ca-Mo
A23		Extremely calcareous sandy loam to sandy clay loam glacial till.	Segregated ice crystals and vein ice, some ice lenses in poorly drained areas. Medium to low ice content.	Pasley Bay 1	Brumolitic Turbic Cryosol (U, 1, 2)	60-80	H, Dr-Ca-L, Dr-L(Cb), Dr-Ca-Sa, Dr-Sa(Cb), Dr-Mo(Ca), Dr-Mo(Cb)
A24		Extremely calcareous sandy loam to sandy clay loam glacial till.	Segregated ice crystals and vein ice. Medium to low ice content.	Pasley Bay 2	Brumolitic Turbic Cryosol (U, 1, 2)	50-70	Ca-Mo
A25		Less than 1.5 m of extremely calcareous sandy loam to sandy clay loam glacial till over limestone bedrock.	Segregated ice crystals and vein ice. Medium to low ice content.	Pasley Bay 3	Brumolitic Turbic Cryosol (U, 1, 2)	60-80	H, Dr-Ca-L, Dr-L(Cb), Dr-Ca-Sa, Dr-Sa(Cb), Dr-Mo(Ca), Dr-Mo(Cb)
A26		Less than 1.5 m of moderately calcareous sandy loam to sandy clay loam glacial till over limestone bedrock.	Segregated ice crystals and vein ice. Medium to low ice content.	Pasley Bay 4	Brumolitic Turbic Cryosol (U, 1, 2)	50-70	Ca-Mo
A27		Strongly to extremely calcareous sand and gravel, ice contact and glaciofluvial materials.	Ice wedges and segregated ice crystals. Low to high ice content.	Port Logan 1	Brumolitic Static Cryosol (U, 1, 2)	80-90	H, Dr-Cr-L, Dr-L, Cr-Sa, Cr-Mo-L
A28		Less than 1.5 m of strongly calcareous sand and gravel, ice contact and glaciofluvial materials over limestone bedrock.	Segregated ice crystals. Low ice content.	Port Logan 2	Brumolitic Static Cryosol (U, 1, 2)	80-90	H, Dr-Cr-L, Dr-L, Cr-Sa, Cr-Mo-L
A29		Extremely calcareous marine sand and gravel.	Ice wedges and segregated ice crystals. Low ice content.	Stiwail Bay 1	Brumolitic Static Cryosol (U, 1, 2)	80-90	H, Dr-Cr-L, Dr-L, Cr-Mo-L
A30		Less than 1.5 m of strongly calcareous marine sand and gravel over limestone bedrock.	Segregated ice crystals. Low ice content.	Stiwail Bay 2	Brumolitic Static Cryosol (U, 1, 2)	80-90	H, Dr-Cr-L, Dr-L, Cr-Mo-L
A31		Rock outcrops primarily of carbonate sediments such as limestone or dolomite.	---	Carbonate bedrock	---	---	---
A32		Coarse-grained lenses of metamorphic rocks containing quartz as an essential component, also containing feldspar and mafic minerals, mainly related to granitic and gneissic gneiss.	---	Franciscan Gneissic bedrock	---	---	---

### 1. NOTATIONS AND EQUIVOCALITY

W - well drained  
I - imperfectly drained  
F - poorly drained

### 2. VEGETATION (species abbreviation)

Ca - Carex rupestris, Carex acutispina  
Ca - Carex lasiocarpa, Carex saxatilis  
Ca - Carex lasiocarpa, Carex saxatilis  
Dr - Dryas integrifolia  
L - Lichens  
Mo - Mosses  
No - Overgrazed (No)den  
Sa - Saxifraga oppositifolia  
Se - Salix reticulata  
(Modifier abbreviation)  
cb - Cryoturbated  
et - Eroded

### 3. SOIL DRAINAGE CLASSES

W - well drained  
I - imperfectly drained  
F - poorly drained

### 4. VEGETATION (species abbreviation)

Ca - Carex rupestris, Carex acutispina  
Ca - Carex lasiocarpa, Carex saxatilis  
Dr - Dryas integrifolia  
L - Lichens  
Mo - Mosses  
No - Overgrazed (No)den  
Sa - Saxifraga oppositifolia  
Se - Salix reticulata  
(Modifier abbreviation)  
cb - Cryoturbated  
et - Eroded

### COMPOSITE UNITS

First of units is more than 80% of total unit area  
Second of units is more than 60% of total unit area  
Units are of roughly equal proportion

### MAP SYMBOLS

Break of slope (scarp)

Abandoned strand

Lake

Ice wedge polygon

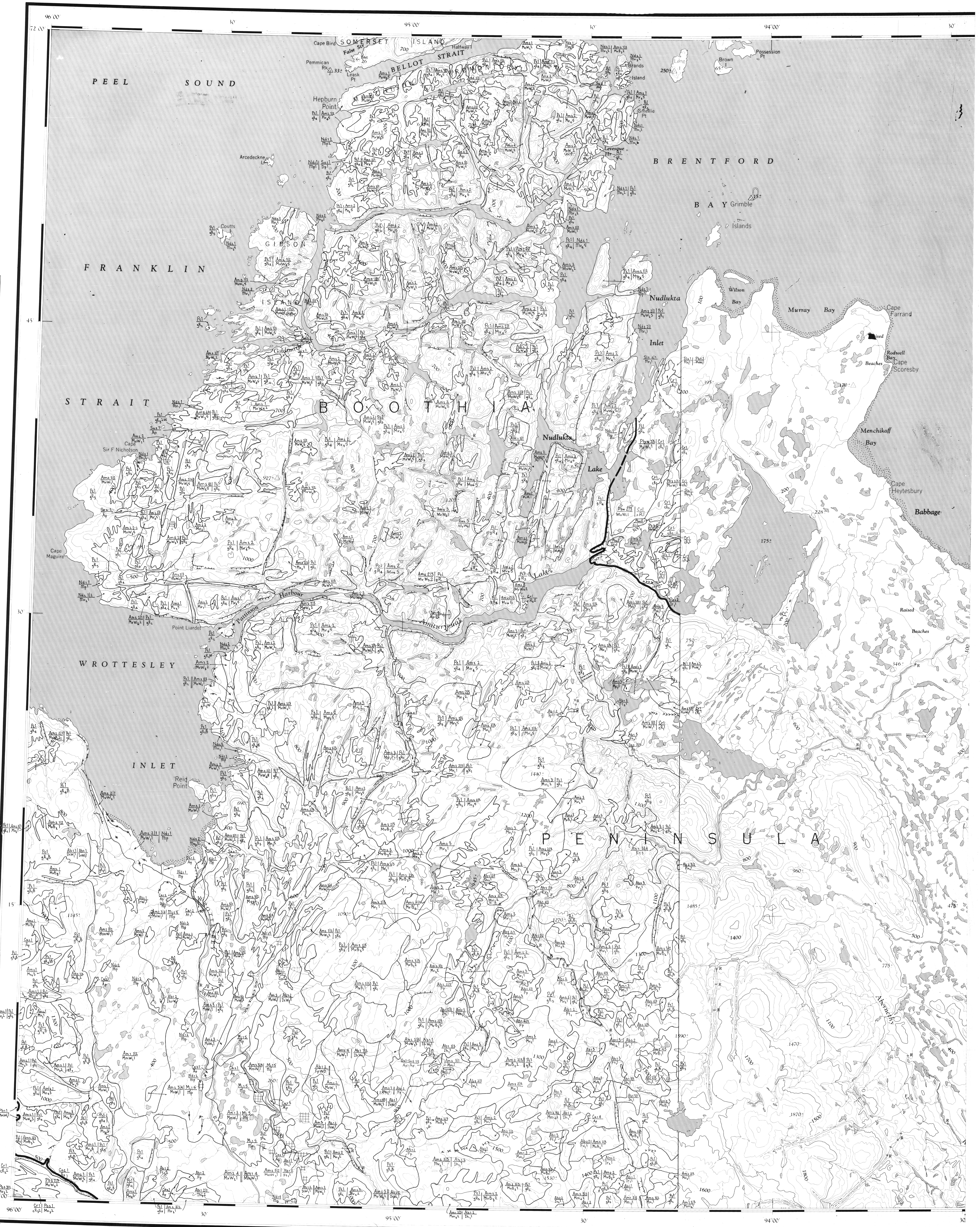
### EXPLANATION OF MAP SYMBOLS

Soil Association, Vegetation Cover, and 2 Class

Landform

Slope Class

Relief Class



Scale 1:125,000

0 5 10 Miles

0 5 10 Kilometers

## BIOPHYSICAL LAND CLASSIFICATION

### BRENTFORD BAY WEST

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NTS 57G

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DOSSIER PUBLIC

390  
NOV 1976  
GEOLOGICAL SURVEY  
COMMISSION GÉOLOGIQUE  
OTTAWA

Biophysical land classification field work was carried out in 1974 and maps were compiled in 1975 by C. TARDUCCI, Canada Soil Survey, University of Manitoba, Winnipeg, Manitoba. A.N. BOYDILL, J.A. NETTVERILLE and K.A. DRANSINSKY, Geological Survey of Canada, Ottawa.