LEGEND

TERRAIN
(Map Symbol)

GENETIC LANDFORM CLASS

M	morainal
m	marine
D	deltaic
F	glaciofluvial
I	ice contact
A	alluvial
Á	modern alluvial floodplain
gR	bedrock (granitic)
cR	bedrock (carbonate)

MORPHOLOGY AND SURFACE FORM

(lower case)

p	plain = flat*
m	rolling
h	humocky
r	ridged
t	terraced
k	kettled
f	fan
v	veneer

* but may have unit tilt.

MORPHOLOGIC 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 - 30 metres
4	greater than 30 metres

SLOPE CLASS (numerical, on line)

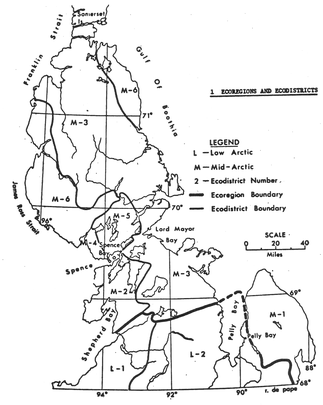
1	1 - 5 degrees
2	6 - 15 degrees
3	16 - 35 degrees
4	greater than 35 degrees
5	complex slopes

VEGETATION COVER CLASSES
(Map Symbol)

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

SOIL AND VEGETATION

Map Symbol	Ecoregion 1 and Ecodistrict	Parent Material	Ground Ice and Ice Content	SOIL: Soil Association	SOIL: Gen. Name and Drainage 2	Depth of Thaw (cm)	Vegetation 3
Ab1	M-3	Moderately to strongly calcareous sand and gravel, ice contact and glaciofluvial materials.	Ice wedges and segregated ice crystals. Low to high ice content.	Abernethy 1	Brunisolic Static Cryosol (W,I 8) Regosolic Static Cryosol (W,I 2)	60-90	Ner, Dr-L, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
Ab2		Less than 1.5 m of moderately to strongly calcareous sand and gravel ice contact and glaciofluvial materials over Precambrian bedrock.	Segregated ice crystals. Low ice content.	Abernethy 2	Brunisolic Static Cryosol (W,I 6) Lithic Brunisolic Static Cryosol (W 4)	60-90	Ner, Dr-L, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
Am1		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.	Amituryouak 1	Brunisolic Turbic Cryosol (W,I 9)	70-90	N, Dr-Ca, Dr-Sa, Sa(cb), Sa-L, Sa-Ca, Ca-L, Ca-Sa-Dr
						60-70	Ca-Mo-Dr, Sa-Mo
					Gleysolic Turbic Cryosol (P 1)	60	Cx-Mo
Am2		Less than 1.5 m of extremely calcareous sandy loam to sandy clay loam glacial till over Precambrian bedrock.	Segregated ice crystals and vein ice. Medium to low ice content.	Amituryouak 2	Brunisolic Turbic Cryosol (W,I 5)	70-90	N, Dr-Ca, Dr-Sa, Sa(cb), Sa-L, Sa-Ca, Ca-L, Ca-Sa-Dr
					Lithic Brunisolic Turbic Cryosol (W 4)	60-70	Ca-Mo-Dr, Sa-Mo
					Gleysolic Turbic Cryosol (P 1)	60-70	Cx-Mo
Am3		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.	Amituryouak 3	Brunisolic Turbic Cryosol (W,I 5) Lithic Brunisolic Turbic Cryosol (W4)	70-90	N, Dr-Ca, Dr-Sa, Sa(cb), Sa-L, Sa-Ca, Ca-L, Ca-Sa-Dr
						60-70	Ca-Mo-Dr, Sa-Mo
					Gleysolic Turbic Cryosol (P 1)	60-70	Cx-Mo
Nd1		Moderately to strongly calcareous marine sand and gravel.	Ice wedges and segregated ice crystals. Low to high ice content.	Nudlukta 1	Brunisolic Static Cryosol (W,I 8) Regosolic Static Cryosol (W,I 2)	60-90	N, Dr-L, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
Nd2		Less than 1.5 m of moderately to strongly calcareous marine sand and gravel over Precambrian bedrock.	Segregated ice crystals. Low ice content.	Nudlukta 2	Brunisolic Static Cryosol (W,I 4) Lithic Regosolic Static Cryosol (W,I 3) Lithic Brunisolic Static Cryosol (W,I 3)	60-90	N, Dr-L, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
Nd3		Less than 1.5 m of moderately to strongly calcareous marine sand and gravel over glacial till.	Ice wedges and segregated ice crystals. Low to high ice content.	Nudlukta 3	Brunisolic Static Cryosol (W,I 8) Regosolic Static Cryosol (W,I 2)	60-90	N, Dr-L, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
Sa1		Moderately calcareous sand and gravel alluvium.	Ice lenses and segregated ice crystals. Medium ice content.	Sanagak 1	Brunisolic Static Cryosol (W,I 5) Brunisolic Turbic Cryosol (W,I 3)	40-60	Ner, Dr-Cr, Dr-Cr-Mo
					Gleysolic Turbic Cryosol (P 2)	30-50	Cx-Mo
Sa2		Moderately calcareous recent sand and gravel alluvium.	Ice lenses and segregated ice crystals. Medium ice content.	Sanagak 2	Regosolic Static Cryosol (W,I 8)	40-60	N, Dr-Cr, Dr-Cr-Mo
					Gleysolic Turbic Cryosol (P 2)	30-50	Cx-Mo
Mj1		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	Brunisolic Turbic Cryosol (W,I 8)	50-70	L-Dr-Ca, Dr-Ca-L, Ca-Mo-L
					Gleysolic Turbic Cryosol (P 2)	30-50	Cx-Mo
Mj2		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	Brunisolic Turbic Cryosol (W,I 4) Lithic Brunisolic Turbic Cryosol (W,I 3)	50-70	L-Dr-Ca, Dr-Ca-L, Ca-Mo-L
					Gleysolic Turbic Cryosol (P 3)	30-50	Cx-Mo
Bb1		Strongly to very strongly 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.	Babbage Bay 1	Brunisolic Turbic Cryosol (W,I 8)	50-70	L-Dr-Ca, Dr-Ca-L, Ca-Mo-L
					Gleysolic Turbic Cryosol (P 2)	30-50	Cx-Mo
Ca1		Strongly calcareous sand and gravel alluvium.	Ice lenses and segregated ice crystals. Medium ice content.	Cape Airy 1	Regosolic Static Cryosol (W,I 6) Brunisolic Static Cryosol (W,I 4)	60-80	N, Dr-Cr-L, Dr-L, Cr-Sx, Cr-Mo-Dr
Ca2		Strongly calcareous recent sand and gravel alluvium.	Ice lenses and segregated ice crystals. Medium ice content.	Cape Airy 2	Regosolic Static Cryosol (I)	90	N
Pb1		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	Regosolic Turbic Cryosol (W,I 8)	60-80	N, Dr-Ca-L, Dr-L(cb), Dr-Ca-Sx, Dr-Sx(cb), Dr-Mo-Sx, Dr-Mo-Ca, Dr-Mo(cb)
					Gleysolic Turbic Cryosol (P 2)	30-70	Cx-Mo
Pb2		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 2	Brunisolic Turbic Cryosol (W,I 5) Regosolic Turbic Cryosol (W,I 3)	60-80	N, Dr-Ca-L, Dr-L(cb), Dr-Ca-Sx, Dr-Sx(cb), Dr-Mo-Sx, Dr-Mo-Ca, Dr-Mo(cb)
					Gleysolic Turbic Cryosol (P 2)	30-70	Cx-Mo
Pb3	M-6	Less than 1.5 m of extremely calcareous sandy clay loam glacial till over limestone bedrock.	Segregated ice crystals and vein ice. Medium to low ice content.	Pasley Bay 3	Regosolic Turbic Cryosol (W,I 4) Lithic Regosolic Turbic Cryosol (W,I 4)	60-80	N, Dr-Ca-L, Dr-L(cb), Dr-Ca-Sx, Dr-Sx(cb), Dr-Mo-Sx, Dr-Mo-Ca, Dr-Mo(cb)
					Gleysolic Turbic Cryosol (P 2)	30-70	Cx-Mo
Pb4		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 4	Brunisolic Turbic Cryosol (W,I 4) Lithic Regosolic Turbic Cryosol (W,I 4)	60-80	N, Dr-Ca-L, Dr-L(cb), Dr-Ca-Sx, Dr-Sx(cb), Dr-Mo-Sx, Dr-Mo-Ca, Dr-Mo(cb)
					Gleysolic Turbic Cryosol (P 2)	30-70	Cx-Mo
Po1		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	Brunisolic Static Cryosol (W,I 8) Regosolic Static Cryosol (W,I 2)	80-90	N, Dr-Cr-L, Dr-L, Cr-Sx, Cr-Mo-Dr
Po2		Less than 1.5 m of strongly to extremely calcareous sand and gravel ice contact and glaciofluvial materials over limestone bedrock.	Segregated ice crystals. Low ice content.	Port Logan 2	Brunisolic Static Cryosol (W,I 5) Lithic Regosolic Turbic Cryosol (W,I 5)	80-90	N, Dr-Cr-L, Dr-L, Cr-Sx, Cr-Mo-Dr
Sl 1		Strongly to extremely calcareous marine gravel.	Ice wedges and segregated ice crystals. Low ice content.	Stilwell Bay 1	Regosolic Static Cryosol (W,I)	80-90	N, Dr-Ca-L, Dr-L, Cr-Mo-Dr
Sl 2		Less than 1.5 m of strongly to extremely calcareous marine gravel over limestone bedrock.	Segregated ice crystals. Low ice content.	Stilwell Bay 2	Regosolic Static Cryosol (W,I 5) Lithic Regosolic Turbic Cryosol (W,I 5)	80-90	N, Dr-Ca-L, Dr-L, Cr-Mo-Dr
Cr	M-3 & M-6	Rocks consisting primarily of carbonate minerals, such as limestone or dolomite.	--	Carbonate bedrock	--	--	N
Pc		Coarse-grained igneous or metamorphic rock containing quartz as an essential component, along with feldspar and mafic minerals; mainly refers to granite and granite gneiss.	-----	Precambrian Granitic Bedrock	----	--	N



1 ECOREGIONS AND ECODISTRICTS

LEGEND
L — Low Arctic
M — Mid-Arctic
2 — Ecodistrict Number
Ecoregion Boundary
Ecodistrict Boundary

2. SOIL DRAINAGE CLASSES

W - well drained
I - imperfectly drained
P - poorly drained

3. VEGETATION
(species abbreviation)

Ca - Carex rupestris, Carex scirpoidea
Ce - Cassiope tetragona
Cr - Carex misandra, Carex saxatilis
Cx - Carex stans
Dr - Dryas integrifolia
L - Lichens
Mo - Mosses
N - Unvegetated (Nudum)
Sa - Saxifraga oppositifolia
Sx - Salix arctica

(Modifier abbreviation)

cb - Cryoturbated
er - Eroded

COMPOSITE UNITS

| first of units is more than 80% of total unit area
|| first of units is more than 60% of total unit area
. units are of roughly equal proportions

MAP SYMBOLS

Break of slope (scarp)
Abandoned strand
Esker
Ice wedge polygon
Unknown
Known

EXPLANATION OF MAP SYMBOL

Soil Association / Vegetation Cover Class
Am2 3
Mv1 1
Landform / Slope Class
Relief Class

NOTES:

Bedrock slope classes are assumed to be complex unless otherwise shown.
Stratigraphy: deposits less than 1.5 m thick are indicated as a veneer (v).
Drainage Distribution: The percentage of each drainage class is indicated by a decile number following the drainage symbol.
Soil Classification: See Proc. of the Ninth Meeting of the Canada Soil Survey Committee, Univ. of Sask., Saskatoon, May 16-18, 1973, p. 346-358.
Depth of Thaw: measured in August, 1974.
Elevations in feet above Mean Sea Level.

Scale 1:125,000

2 0 5 10 Miles
2 0 5 10 20 Kilometers

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

BIOPHYSICAL LAND CLASSIFICATION
BRENTFORD BAY EAST

NTS 57G

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