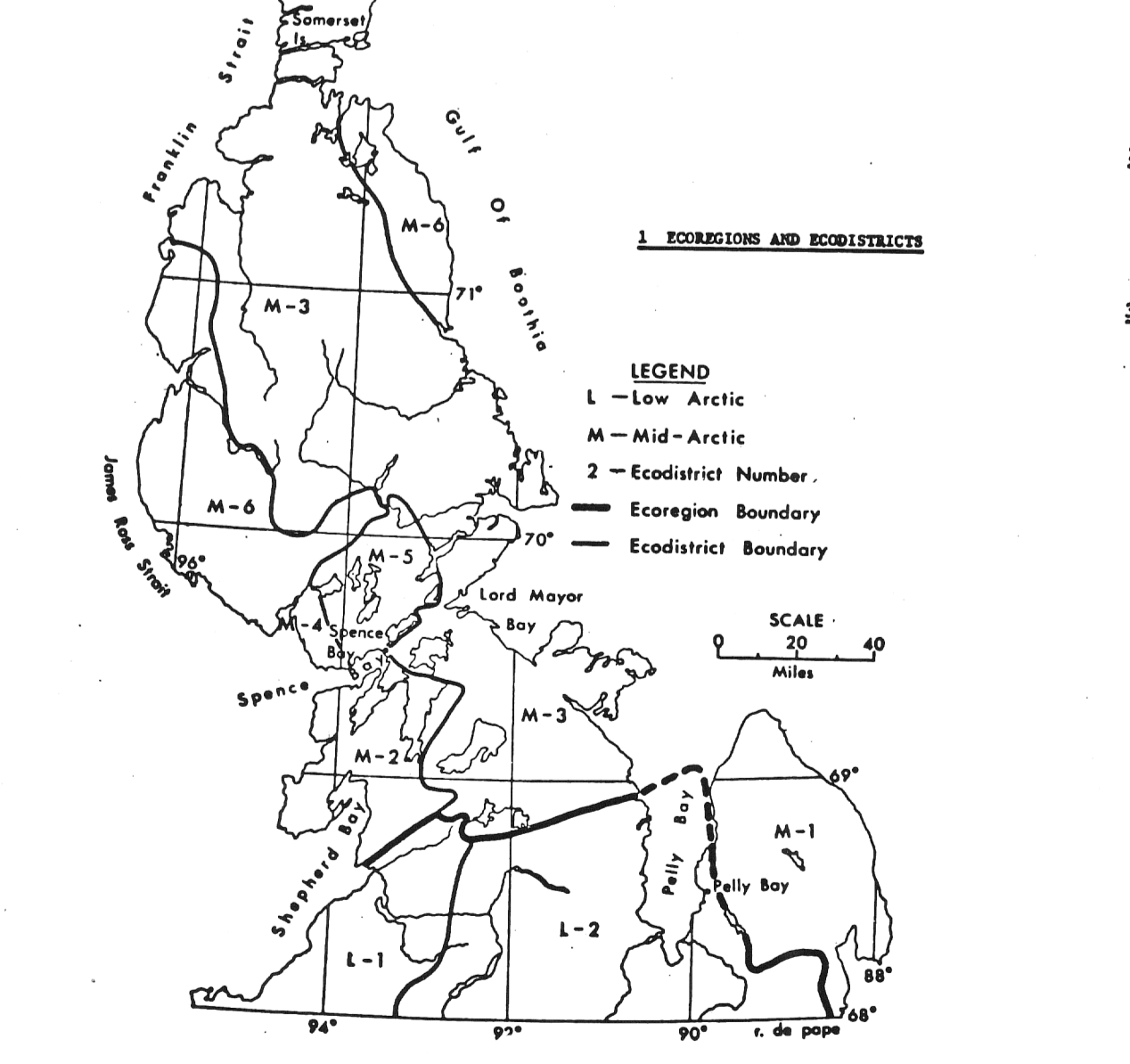


# LEGEND

GENERIC LANDFORM CLASS (Map Symbol)		MORPHOLOGY AND SURFACE FORM (Lower case)		MORPHOLOGICAL MODIFIER (Upper case)	
M	moraine	h	plain + flat	D	dissected
D	deltic	w	wallow	V	valley
F	fluviatile	b	hummocky	U	undisturbed
L	ice contact	r	ridged		
A	alluvial	t	terraced		
AL	modern alluvial floodplain	l	levelled		
AR	bedrock (granite)	f	fan		
BR	bedrock (basalt)	v	vesicler		

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

Map Symbol	Horizon 1 and Ecodistrict	Parent Material	Ground Ice and Ice Content (See Symbols)	SOIL		Vegetation 3
				Soil Association	Soil Class	
AB1		Moderately to strongly calcareous sand and gravel, ice contact and glacioluvial materials	Ice wedges and segregated ice crystals, Low to high ice content.	Abernethy 1	Brumolle Static Cryosol (U, 1.8)	Very, Driest, 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 glacioluvial materials over Proterozoic bedrock.	Segregated ice crystals, Low ice content.	Abernethy 2	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB3		Less than 1.5 m of moderately to strongly calcareous sand and gravel, ice contact and glacioluvial materials over glacial till.	Ice wedges and segregated ice crystals, Low to high ice content.	Abernethy 3	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB4		Extremely calcareous, sandy loam to silty clay loam glacial till.	Segregated ice crystals and vein ice, ice lenses in poorly drained areas, Medium to low ice content.	Abernethy 4	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB5		Less than 1.5 m of extremely calcareous sandy loam to silty clay loam glacial till over Proterozoic bedrock.	Segregated ice crystals and vein ice, ice lenses in poorly drained areas, Medium to low ice content.	Abernethy 5	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB6		Moderately calcareous silt loam to silty clay loam 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	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB7		Less than 1.5 m of moderately calcareous silt loam to silty clay loam deposit over Proterozoic bedrock.	Ice lenses, segregated ice crystals, High ice content.	Mary Jones 2	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB8		Moderately to strongly calcareous sand and gravel, ice contact and glacioluvial materials over Proterozoic bedrock.	Ice wedges and segregated ice crystals, Low to high ice content.	Sudbuck 1	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB9		Less than 1.5 m of moderately to strongly calcareous sand and gravel, ice contact and glacioluvial materials over Proterozoic bedrock.	Segregated ice crystals, Low ice content.	Sudbuck 2	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB10		Less than 1.5 m of moderately to strongly calcareous sand and gravel, ice contact and glacioluvial materials over glacial till.	Ice wedges and segregated ice crystals, Low to high ice content.	Sudbuck 3	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB11		Less than 1.5 m of moderately to strongly calcareous silt loam to silty clay loam 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	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB12		Less than 1.5 m of extremely calcareous silt loam to silty clay loam deposit over limestone bedrock.	Ice lenses, segregated ice crystals and vein ice, ice lenses in poorly drained areas, Medium to low ice content.	Babbage Bay 2	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB13		Less than 1.5 m of extremely calcareous silt loam to silty clay loam 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 3	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB14		Block consisting primarily of carbonate minerals, and some of calcareous sandstone or dolomite.	Carbonate bedrock			
AB15		Very strongly to extremely calcareous sandy loam to silty clay loam glacial till.	Segregated ice crystals and vein ice, ice lenses in poorly drained areas, Medium to low ice content.	Fasley Bay 1	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB16		Very strongly to extremely calcareous sandy loam to silty clay loam glacial till.	Segregated ice crystals and vein ice, ice lenses in poorly drained areas, Medium to low ice content.	Fasley Bay 2	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB17		Less than 1.5 m of very strongly to extremely calcareous sandy loam to silty clay loam glacial till over limestone bedrock.	Ice lenses, segregated ice crystals and vein ice, ice lenses in poorly drained areas, Medium to low ice content.	Fasley Bay 3	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB18		Less than 1.5 m of very strongly to extremely calcareous sandy loam to silty clay loam glacial till over Proterozoic bedrock.	Segregated ice crystals and vein ice, ice lenses in poorly drained areas, Medium to low ice content.	Fasley Bay 4	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB19		Strongly to extremely calcareous sand and gravel, ice contact and glacioluvial materials over limestone bedrock.	Ice wedges and segregated ice crystals, Low to high ice content.	Fort Logan 1	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB20		Less than 1.5 m of extremely calcareous sand and gravel, ice contact and glacioluvial materials over limestone bedrock.	Segregated ice crystals, Low ice content.	Fort Logan 2	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB21		Less than 1.5 m of strongly calcareous sand and gravel, ice contact and glacioluvial materials over glacial till.	Ice wedges and segregated ice crystals, Low to high ice content.	Fort Logan 3	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB22		Strongly to extremely calcareous sand and gravel, ice contact and glacioluvial materials over limestone bedrock.	Ice wedges and segregated ice crystals, Low to high ice content.	Stilwell Bay 1	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB23		Less than 1.5 m of strongly to extremely calcareous sand and gravel, ice contact and glacioluvial materials over limestone bedrock.	Segregated ice crystals, Low ice content.	Stilwell Bay 2	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB24		Less than 1.5 m of strongly to extremely calcareous sand and gravel, ice contact and glacioluvial materials over limestone bedrock.	Ice wedges and segregated ice crystals, Low to high ice content.	Stilwell Bay 3	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB25		Strongly calcareous recent sand and gravel alluvium.	Ice lenses and segregated ice crystals, Medium ice content.	Cap Alley 1	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB26		Strongly calcareous recent sand and gravel alluvium.	Ice lenses and segregated ice crystals, Medium ice content.	Cap Alley 2	Brumolle Static Cryosol (U, 1.8)	Very, Driest, Dr-Cr-L, Dr-Sa-L, Cr-Dr, Sa-Mo
AB27		Overgrazed (less than 10%)	Proterozoic bedrock			

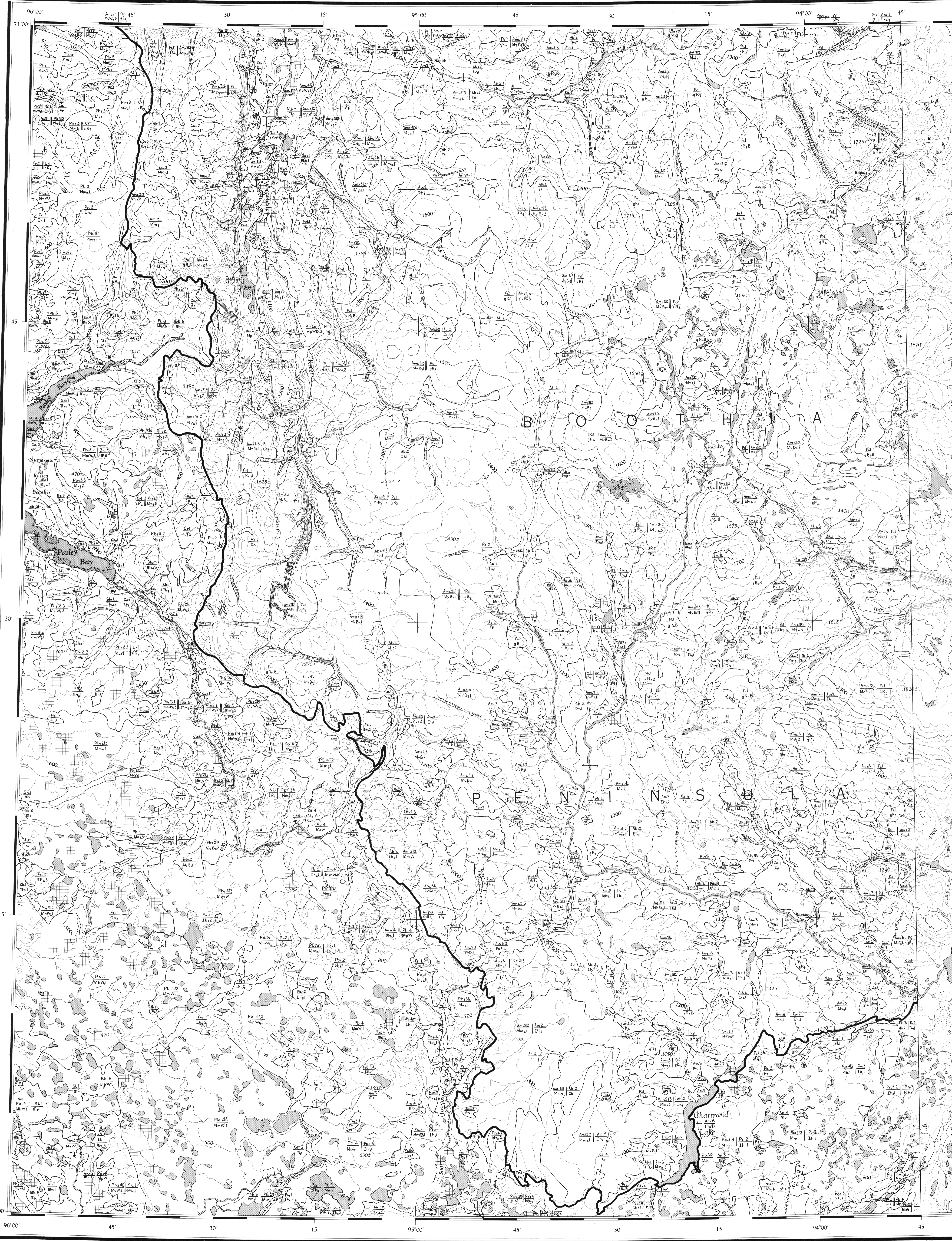


**CONTOUR LINES**  
 - first of units to more than 80% of total unit area  
 - first of units to more than 10% of total unit area  
 - units are of roughly equal proportions

**MAP SYMBOLS**  
 Break of slope (sharp)  
 Abandoned strand  
 Baker  
 Ice wedge polygon

**EXPLANATION OF MAP SYMBOLS**  
 Soil Association  
 Vegetation Cover Class  
 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 vesicler (v).  
 Drainage Distribution: The percentage of each drainage class is indicated by a decimal number following the drainage symbol.  
 Soil Classification: See Part of the Ninth Meeting of the Canada Soil Survey Committee, Univ. of Sask., Saskatoon, May 16-18, 1973, p. 346-358.  
 Depth of Snow: measured in July 1935, 1936.  
 Elevations in feet above Mean Sea Level.



## BIOPHYSICAL LAND CLASSIFICATION THOM BAY WEST

Scale 1:125,000  
 0 5 10 20 Miles  
 0 5 10 20 Kilometers

Biophysical land classification field work was carried out in 1974 and maps were compiled in 1975 by G. DANKOFF, Canada Soil Survey, University of Manitoba, Winnipeg, Manitoba, A.N. ROYDALL, J.A. METTERVILLE and F.A. DRABINSKY, Geological Survey of Canada, Ottawa.

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