



GEOGRAPHIC DIVISION
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SECRETARIAT
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AMENDMENTS:
S.A.S. JAN. 1975
PROJECT: SPRINGBROOK
SHEET: 1 OF 2

SPRINGBROOK BIO-PHYSICAL

LANDFORMS

after R.J. Fulton and N.F. Alley 1974

LANDFORM	EROSIONAL MODIFIER
F Alluvium	A Active
C Colluvium	C Conglobated
E Eolian (Loess)	D Deflated
I Ice and Snow	E Eroded
L Lacustrine	F Filling
M Moraine	G Glaciated
O Organic	I Inactive
R Bedrock	K Karst
U Unconsolidated	M Mass Wasted
V Volcanic	N Nivated
W Marine	T Thermokarst
	V Gullied
	W Washed
	G Supereroded

MORPHOLOGICAL EXPRESSION

a blanket	material over one meter deep with topographic expression controlled by underlying bedrock or alluvial deposit in a standing body of water. Slopes from 0 to 10%.
d delta	fan shaped deposits resulting from alluvial and colluvial processes. small steep sided hills and hollows. Slopes 5-30%.
f fan	level to undulating topography less than 3%.
h hummocky	level to undulating topography less than 3%.
i isolated	level to undulating topography less than 3%.
l level	level to undulating topography less than 3%.
m rolling	level to undulating topography less than 3%.
p pitted	level to undulating topography less than 3%.
r ridged	small, steep sided linear hills; eg. drumlins.
s steep slope	steep slopes from 30% to 60% (60%); usually mapped on rock landforms.
t terrace	relatively flat lying deposit bounded by steep slopes.
u undulating	generally a smooth, regular surface with broad, shallow topographic features and broad low hills. Slopes from 5-30%.
v veneer	material less than one meter deep.

TEXTURAL MODIFIER

b bouldery	abundance of material 1m. to 256mm. in size.
c clayey	dominantly fine silt and clay in size less than 0.01mm.
d diamicton	sand, silt and gravel mixture.
g gravelly	dominantly gravel and coarse sand sized material 1-256mm.
r rubbly	angular material boulder to granule in size.
s sandy	dominantly granule and sand sized material 4-0.5mm.
z silty	dominantly fine sand and silt in size 0.25-0.005mm.

SLOPE CLASSIFICATION SYSTEM

Simple Topography	Complex Topography	Example Mapping Percentages	Example Mapping Symbols
A Depressional to level	a nearly level	50-50 = Mb/Mv or Mb	Mb/FH
B very gently sloping	b gently undulating	60-40 = Mb/Mv	30/60 40
C gently sloping	c undulating	80-20 = Mb/Mv	Mb/Mv FH
D moderately sloping	d gently rolling	90-10 = Mb/Mv	60 20 20
E steeply sloping	e moderately rolling		Mb/Mv Fg Cv
F very steeply sloping	f strongly rolling		60 15 15 10
G extremely sloping	g hilly		
	h very hilly		