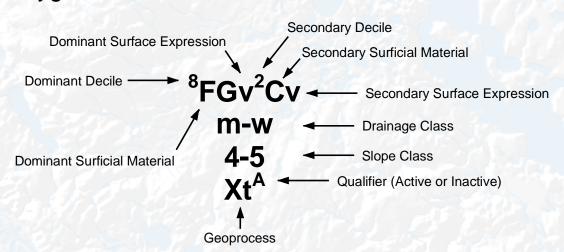
Surficial Geology and Terrain Constraints

Inuvik to Tuktoyaktuk Highway



Surf	ace Materials	Description				
M Till FG Glaciofluvial		Poorly sorted diamicton deposited directly, or without major reworking, by glacier ice; consists of heterogeneous mixture of sand, silt and clay with variable amounts of coarse fragments; commonly modified by cryoturbation and thermokarst; thicknesses range from veneers (50 cm) to several meter thick.				
		Mixture of sand and gravel with variable amounts of silt; includes sediments deposited along floodplains, outwash plains and hummocky ice-contact deposits; thicknesses range from veneers (50 cm) to several meters thick; commonly modified by thermokarst.				
L	Lacustrine	Interbedded silt, clayey silt and sand; can include organic material and layers of peat; thicknesses range from thin veneers (50 cm) to several meters thick; includes sediment deposited in recent lake basins as well as sediment deposited during high water phase of Eskimo Lakes.				
F	Fluvial/Alluvial	Well to moderately well sorted sediment deposited in modern rivers, deltas and fans; includes material deposited in small, poorly defined, intermittent and ephemerals channels; thicknesses range from thin veneers (50 cm) to several meters thick.				
С	Colluvial	Poorly sorted clay, silt, sand and rubble; the texture of the material directly relates to the underlying parent material; thicknesses range from thin veneers (50 cm) to 2-3 meters thick.				
0	Organic	Accumulation of organic materials in bogs, fens, swamps and peatlands; can include interbeds of silt and fine sands; thicknesses generally range from 0.5 to 3 m thick; deposited in shallow depressions and generally underlain by poorly drained fine-grained sediment.				
W	Marine	Moderately well to well sorted, bedded or massive silt, sand or sand and gravels; can include minor organic materials; generally more than 1 m thick; deposited at or near present sea level, commonly found as intertidal plains and beaches.				
Α	Anthropogenic Materials	Disturbed materials or modified geological material whose original properties have been drastically modified: generally flat or terraced.				

Polygon Label



Surface Expression		Drainage Classes		Slope Classes	
b	Blanket	v	Very poor	1	0-2 %
f	Fan	р	Poor	2	>2-5 %
h	Hummocky	i	Imperfect	3	>5-9 %
m	Rolling	m	Moderate	4	>9-15 %
р	Plain	w	Well	5	>15-30 %
r	Ridge	r	Rapid	6	>30-45 %
t	Terrace	x	Very rapid	7	>45-60 %
u	Undulating		4618	8	>60-85 %
v	Veneer	48	1 64	9	>85 %
j	Gentle slope (6-26%)		13/1		
a	Moderate slope (26-50%)	1/3	One class grading to another		
k	Moderately steep slope (50-70%)	,	Two distinct	class po	rtions
s	Steep slope (>70%)		1861		

Xw	Ice-wedge polygons		
Xt	Thermokarst		
Xf	Retrogressive thaw slump		
Xe	Thermal erosion by water		
Rs	Debris slide		
S	Solifluction		
V	Gullying		
С	Creep		
L	Surface Seepage		





Surficial Geology and Terrain Constraints Map Index



