

BIOGEOCLIMATIC (ELEVATION)
ECOREGION → DISTRICT

Broad Ecosystem ID	Rastar#	Broad Ecosystem Unit and Phase	Relative Moisture Class	Landform	EOSD II Class	Comments
OTHER						
	101	Anthropogenic	N/A	All	Exposed land (33) ??	
	102	Snow	N/A	All	Snow (31)	
UPLAND DRY (110)						
	111	Rock	Dry	All	Rock/rubble (32)	
	110	Ridge	Dry	Ridge (8)		
	112	Herb - Bryoid	*	*	Herb (100); Bryoid (40)	
	113	Shrub - Deciduous	*	*	Shrub (51,52); Broadleaf (221,222,223)	
	114	Mixedwood	*	*	Mixedwood (231,323,233)	
	115	Coniferous	*	*	Coniferous (211,212,213)	
	120	Steep South-facing Slope	Dry	South-facing upper and steep lower slopes (4)		
	121	Herb - Bryoid	*	*	Herb (100); Bryoid (40)	
	122	Shrub - Deciduous	*	*	Shrub (51,52); Broadleaf (221,222,223)	
	123	Mixedwood	*	*	Mixedwood (231,323,233)	
	124	Coniferous	*	*	Coniferous (211,212,213)	
	130	Upper Slope	Dry - Submesic	Upper slope (7)		
	131	Herb - Bryoid	*	*	Herb (100); Bryoid (40)	
	132	Shrub - Deciduous	*	*	Shrub (51,52); Broadleaf (221,222,223)	
	133	Mixedwood	*	*	Mixedwood (231,323,233)	
	134	Coniferous	*	*	Coniferous (211,212,213)	
UPLAND MESIC (120)						
	140	Upland Mesic	Mesic	Plains; valley bottoms; gentle lower slopes; open slopes; mid-slopes (1-2-3-5-6)		
	141	Herb - Bryoid	*	*	Herb (100); Bryoid (40)	
	142	Shrub - Deciduous	*	*	Shrub (51,52); Broadleaf (221,222,223)	
	143	Mixedwood	*	*	Mixedwood (231,323,233)	
	144	Coniferous	*	*	Coniferous (211,212,213)	
	160	Steep North-facing Slope	Moist	North-facing upper and steep lower slopes (4)		
	151	Herb - Bryoid	*	*	Herb (100); Bryoid (40)	
	152	Shrub - Deciduous	*	*	Shrub (51,52); Broadleaf (221,222,223)	
	153	Mixedwood	*	*	Mixedwood (231,323,233)	
	154	Coniferous	*	*	Coniferous (211,212,213)	
UPLAND MOIST (130)						
	160	Upland Drainage/Depression	Moist	Upland drainage/depression (8)		
	161	Herb - Bryoid	*	*	Herb (100); Bryoid (40)	
	162	Shrub - Deciduous	*	*	Shrub (51,52); Broadleaf (221,222,223)	
	163	Mixedwood	*	*	Mixedwood (231,323,233)	
	164	Coniferous	*	*	Coniferous (211,212,213)	
WETLAND ECOSYSTEMS (150)						
		Wetland (General)	Wet	All		
	151.1	Herb - Bryoid	*	*	Herb (100); Bryoid (40)	
	151.2	Shrub - Deciduous	*	*	Shrub (51,52); Broadleaf (221,222,223)	
	151.3	Mixedwood	*	*	Mixedwood (231,323,233)	
	151.4	Coniferous	*	*	Coniferous (211,212,213)	
WATER and ICE (160)						
	20	Standing Water (Lake)			Water (20)	
	20	Flowing Water (River)			Water (20)	
	31	Ice (Glacier)			Snow/ice (31)	

PERMAFROST DEPTH. (ACTIVE LAYER)

SLOPE <

ASPECT

EOSD → SPARSE CONIFER

ELEVATION

SPECIAL FEATURES

- STEEP CLIFFS = NESTING

- TERRAIN RELATED SPECIALIZED HABITATS

Riparian - active
- inactive.

WETLANDS

- FEN
- BOG
- SWAMP (TREES)
- MARSH (HERBACEOUS)

MAAY BE SEPARATED BY TPI

Landscape Attribute Capture

Surveyor(s) MP				Date SEPT 9, 2011	
Plot # 101		Poly#		Mapsheet	
Project ID Nansen Habitat			Location		
Ecoregion/Bioclimate moist conifer			Parcel		
Elev(m) 1139		Slope % 18		Disturb	
Aspect ° 242		Photo # 520/521		TPI MS/T	
CTI 3		BOH		East North	
EOSD			UTM 0384114 6883641		
Snow/Ice		Rock		Tree Cover %	
Water		Exposed		Terrain	
				Lodgepole pine	
				Black spruce	
				White spruce 100	
				Subalpine fir	
				Aspen	
				Balsam Poplar	
Bryoids				White birch	
Herb				Willow	
Shrub low (<2m)					
Shrub tall (>2m)					
Coniferous					
Broadleaf					
Mixed Wood					
Notes SPARSE SW LICHENS COLLECTED 50%					
Ecosystem Type (ie Spruce - dogwood - horsetail) 132					

Landscape Attribute Capture

Surveyor(s) <i>MP</i>				Date <i>Sept 10, 2011</i>	
Plot # <i>102</i>		Poly#		Mapsheet	
Project ID <i>Nansen Habitat</i>			Location		
Ecoregion/Bioclimate <i>Med-Tall Shrub</i>			Parcel		
Elev(m) <i>1469</i>	Slope % <i>13</i>		Disturb		
Aspect ° <i>272</i>	Photo # <i>522-524</i>		TPI <i>US / US</i>		
CTI <i>1</i>	<i>SUB</i>		East	North	
EOSD			UTM	<i>386910</i>	<i>6883336</i>
Snow/Ice	Rock	Tree Cover	%	Terrain	
Water	Exposed	Lodgepole pine		Morainal (M)	
Sparse (10-25%) Open (26-60%) Dense (>60%) Wetland Non-wetland	Sparse (10-25%) Open (26-60%) Dense (>60%) Wetland Non-wetland	Black spruce		Colluvium (C)	
		White spruce		Fluvial (F)	
		Subalpine fir		Glaciofluvial (FG)	
		Aspen		Bedrock (R)	
		Balsam Poplar		Organic (O)	
Bryoids		White birch		Eolian (E)	
Herb		Willow		Lacustrine (L)	
Shrub low (<2m)			✓	Glaciolacustrine (LG)	
Shrub tall (>2m)				Ice (I)	
Coniferous				Anthropogenic (A)	
Broadleaf					
Mixed Wood					
Notes <i>Lichen ~ 70%</i> <i>trenching adjacent to plot running west downslope</i> <i>~ 5m wide x 100m Long</i>					
Ecosystem Type (ie Spruce - dogwood - horseail) <i>113</i>					

Landscape Attribute Capture

Surveyor(s) MP					Date Sept 10 / 11		
Plot # 103			Poly#		Mapsheet		
Project ID Nansen Habitat				Location			
Ecoregion/Bioclimate Med-Tal Shrub				Parcel			
Elev(m) 1488		Slope % 16		Disturb			
Aspect ° 190		Photo # 525-527		TPI JS/C			
CTI 1		SUB		East		North	
EOSD				UTM 386802		6883503	
Snow/Ice		Rock			Tree Cover %	Terrain	
Water		Exposed			Lodgepole pine	Morainal (M)	
	Sparse(10-25%)	Open(26-50%)	Dense(+60%)	Wetland	Non-wetted	Black spruce	Colluvium (C)
						White spruce	Fluvial (F)
						Subalpine fir	Glaciofluvial (FG)
						Aspen	Bedrock (R)
						Balsam Poplar	Organic (O)
Bryoids						White birch	Eolian (E)
Herb						Willow	Lacustrine (L)
Shrub low (<2m)					✓		Glaciolacustrine (LG)
Shrub tall (>2m)							Ice (I)
Coniferous							Anthropogenic (A)
Broadleaf							
Mixed Wood							
Notes							
<p>Lichens = 50%</p> <p>Dwarf birch ≈ 20cm ht; 80%cc</p>							
Ecosystem Type (ie Spruce - dogwood - horsetail)							
113							

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept 10/11</i>					
Plot # <i>104</i>			Poly#		Mapsheet					
Project ID <i>Nansen Habitat</i>					Location					
Ecoregion/Bioclimate <i>Med-Tall Shrub</i>					Parcel					
Elev(m) <i>1468</i>		Slope % <i>12</i>			Disturb					
Aspect ° <i>58</i>		Photo # <i>528/529</i>			TPI <i>US/UP</i>					
CTI <i>1</i>		<i>SUB</i>			East		North			
EOSD					UTM		<i>6387019</i>		<i>6883544</i>	
Snow/Ice		Rock			Tree Cover %			Terrain		
Water		Exposed			Lodgepole pine			Moraine (M)		
		Sparse (10-25%) Open (26-60%) Dense (>60%) Wetland Non-wetland			Black spruce			Colluvium (C)		
					White spruce			Fluvial (F)		
					Subalpine fir			Glaciofluvial (FG)		
					Aspen			Bedrock (R)		
					Balsam Poplar			Organic (O)		
					White birch			Eolian (E)		
Bryoids					Willow			Lacustrine (L)		
Herb					✓			Glaciolacustrine (LG)		
Shrub low (<2m)								Ice (I)		
Shrub tall (>2m)								Anthropogenic (A)		
Coniferous										
Broadleaf										
Mixed Wood										
Notes <i>LICHENS = 40%</i> <i>some willow - no browse evident</i> <i>avg shrub ht = 25-70 cm</i>										
Ecosystem Type (ie Spruce - dogwood - horseail) <div style="text-align: center; font-size: 1.5em; font-weight: bold;">113</div>										

Landscape Attribute Capture

Surveyor(s) <i>MP</i>				Date <i>Sept 10/11</i>	
Plot # <i>105</i>			Poly#		Mapsheet
Project ID				Location	
Ecoregion/Bioclimate <i>Med-Tall Shrub</i>				Parcel	
Elev(m) <i>1395</i>		Slope % <i>14</i>		Disturb	
Aspect ° <i>245</i>		Photo # <i>530-533</i>		TPI <i>UP/US</i>	
CTI <i>1 SUB</i>				East	
				North	
EOSD				UTM <i>1387207 6885454</i>	
Snow/Ice		Rock		Tree Cover %	
Water		Exposed		Terrain	
				Lodgepole pine	
				Black spruce	
				White spruce	
				Subalpine fir	
				Aspen	
				Balsam Poplar	
				White birch	
				Willow	
				Shrub low (<2m)	
				Shrub tall (>2m)	
				Coniferous	
				Broadleaf	
				Mixed Wood	
Notes <i>Dwarf birch shrub layer = 50cm ht; 70% occ</i> <i>Lichens = 40%</i> <i>Willow = no browse</i>					
Ecosystem Type (ie Spruce - dogwood - horseail) <i>132</i>					

Landscape Attribute Capture

Surveyor(s) <i>MP</i>				Date <i>Sept 10/11</i>	
Plot # <i>106</i>		Poly#		Mapsheet	
Project ID <i>Nansen Habitat</i>			Location		
Ecoregion/Bioclimate <i>Med-Tall Spruce</i>			Parcel		
Elev(m) <i>1370</i>		Slope % <i>12</i>		Disturb	
Aspect ° <i>122</i>		Photo # <i>534-536</i>		TPI <i>UP/MS</i>	
CTI <i>4</i>		<i>SUB</i>		East North	
EOSD			UTM		<i>0388047 6888481</i>
Snow/Ice	Rock	Tree Cover	%	Terrain	
Water	Exposed	Lodgepole pine		Morainal (M)	
		Black spruce		Colluvium (C)	
		White spruce		Fluvial (F)	
		Subalpine fir		Glaciofluvial (FG)	
		Aspen		Bedrock (R)	
		Balsam Poplar		Organic (O)	
Bryoids		White birch		Eolian (E)	
Herb		Willow		Lacustrine (L)	
Shrub low (<2m)			✓	Glaciolacustrine (LG)	
Shrub tall (>2m)				Ice (I)	
Coniferous				Anthropogenic (A)	
Broadleaf					
Mixed Wood					
Notes <i>willow ≈ 1.5m; little browse</i> <i>no lichen</i> <i>step moss abundant</i> <i>dwarf birch = 1m ht.</i>					
Ecosystem Type (ie Spruce - dogwood - horseail) <i>142</i>					

Landscape Attribute Capture

Surveyor(s) MP		Date Sept 10/11	
Plot # 107	Poly#	Mapsheet	
Project ID Nansen Habitat		Location	
Ecoregion/Bioclimate Med-Tall Shrub		Parcel	
Elev(m) 1357	Slope % 15	Disturb	
Aspect ° 159	Photo # 537/538	TPI UP/MS	
CTI 4	508	East	North

EOSD		UTM	0388046	6888396
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Snow/Ice	Rock	Tree Cover	%	Terrain
Water	Exposed	Lodgepole pine		Morainal (M)
		Black spruce		Colluvium (C)
		White spruce		Fluvial (F)
		Subalpine fir		Glaciofluvial (FG)
		Aspen		Bedrock (R)
		Balsam Poplar		Organic (O)
Bryoids		White birch		Eolian (E)
Herb		Willow		Lacustrine (L)
Shrub low (<2m)			<input checked="" type="checkbox"/>	Glaciolacustrine (LG)
Shrub tall (>2m)				Ice (I)
Coniferous				Anthropogenic (A)
Broadleaf				
Mixed Wood				

Notes
 lichens < 5% cc
 step moss - dominant cover
 no browse on willow evident
 dwarf birch < 70cm; 80% cc

Ecosystem Type (ie Spruce - dogwood - horseail)
142

Landscape Attribute Capture

Surveyor(s) <i>MP</i>				Date <i>Sept 10/11</i>			
Plot # <i>108</i>			Poly#		Mapsheet		
Project ID <i>Nansen Habitat</i>				Location			
Ecoregion/Bioclimate <i>Med-Tall Shrub</i>				Parcel			
Elev(m) <i>1345</i>		Slope % <i>17</i>		Disturb			
Aspect ° <i>160</i>		Photo # <i>539/540</i>		TPI <i>UP/MS</i>			
CTI <i>4</i>		<i>BOH</i>		East		North	
EOSD				UTM		<i>0387913 6888212</i>	
Snow/Ice		Rock		Tree Cover %		Terrain	
Water		Exposed		Lodgepole pine		Morainal (M)	
		Sparse(10-25%) Open(26-60%) Dense(+60%) Wetland Non-wetted		Black spruce		Colluvium (C)	
				White spruce		Fluvial (F)	
				Subalpine fir		Glaciofluvial (FG)	
				Aspen		Bedrock (R)	
				Balsam Poplar		Organic (O)	
Bryoids				White birch		Eolian (E)	
Herb				Willow		Lacustrine (L)	
Shrub low (<2m)				✓		Glaciolacustrine (LG)	
Shrub tall (>2m)						Ice (I)	
Coniferous						Anthropogenic (A)	
Broadleaf							
Mixed Wood							
Notes <i>willow ≈ 2m tall; 10% occ - no browse evident</i> <i>lichen < 5%</i> <i>NOA Northern Harrier observed hunting (single)</i> <i>GOEA (pair) also observed</i>							
Ecosystem Type (ie Spruce - dogwood - horselail) <div style="font-size: 2em; font-weight: bold; text-align: center;">142</div>							

Landscape Attribute Capture

Surveyor(s) <i>MP</i>				Date <i>Sept 10/11</i>	
Plot # <i>109</i>		Poly#		Mapsheet	
Project ID <i>Nansen Habitat</i>			Location		
Ecoregion/Bioclimate <i>Rock/Exposed</i>			Parcel		
Elev(m) <i>1280</i>		Slope % <i>level (<5)</i>		Disturb <input checked="" type="checkbox"/> <i>mining (placer)</i>	
Aspect ° <i>178</i>		Photo # <i>541-543</i>		TPI <i>UP/T</i>	
CTI <i>0</i>		<i>804</i>		East North	
EOSD			UTM <i>0387757 6887659</i>		
Snow/Ice		Rock		Tree Cover %	Terrain
Water		Exposed <input checked="" type="checkbox"/>		Lodgepole pine	Morainal (M)
	Sparse(10-25%)	Open(26-60%)	Dense(+60%)	Wetland	Non-wetted
				Black spruce	Colluvium (C)
				White spruce	Fluvial (F)
				Subalpine fir	Glaciofluvial (FG)
				Aspen	Bedrock (R)
				Balsam Poplar	Organic (O)
Bryoids				White birch	Eolian (E)
Herb				Willow	Lacustrine (L)
Shrub low (<2m)					Glaciolacustrine (LG)
Shrub tall (>2m)					Ice (I)
Coniferous					Anthropogenic (AV)
Broadleaf					
Mixed Wood					
Notes					
<ul style="list-style-type: none"> • Placer Mining operation adjacent to creek • settling pond and camp quarters nearby • roads throughout area ≈ 4-5 metre width 					
Ecosystem Type (ie Spruce - dogwood - horse tail)					
<i>101</i>					

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept 10/11</i>						
Plot # <i>110</i>			Poly#			Mapsheet					
Project ID <i>Nansen Habitat</i>					Location						
Ecoregion/Bioclimate <i>West-Tail Shrub</i>					Parcel						
Elev(m) <i>1267</i>			Slope % <i>7</i>			Disturb					
Aspect ° <i>180</i>			Photo # <i>544-546</i>			TPI <i>UP/D</i>					
CTI <i>7</i>			<i>80H</i>			East			North		
EOSD					UTM <i>0387732 6887494</i>						
Snow/Ice		Rock				Tree Cover %			Terrain		
Water		Exposed				Lodgepole pine			Moraine (M)		
						Black spruce			Colluvium (C)		
						White spruce			Fluvial (F)		
						Subalpine fir			Glaciofluvial (FG)		
						Aspen			Bedrock (R)		
						Balsam Poplar			Organic (O)		
Bryoids						White birch			Eolian (E)		
Herb						Willow <i>100</i>			Lacustrine (L)		
Shrub low (<2m)									Glaciolacustrine (LG)		
Shrub tall (>2m)									Ice (I)		
Coniferous									Anthropogenic (A)		
Broadleaf											
Mixed Wood											
Notes											
<p><i>Creek adjacent to mining disturbance</i> <i>grasses abundant</i> <i>Willows localized to creek; 3.4 m ht; 45% cc</i> <i>no lichen</i> <i>no browse found</i></p>											
Ecosystem Type (ie Spruce - dogwood - horse tail)											
<i>162</i>											

Landscape Attribute Capture

Surveyor(s) MP					Date Sept. 10/11				
Plot # 111			Poly#		Mapsheet				
Project ID Nansen Habitat					Location				
Ecoregion/Bioclimate Med-Tall Scrub					Parcel				
Elev(m) 1331		Slope % 8			Disturb				
Aspect ° 180		Photo # 547-548			TPI UP / D				
CTI 7		BOH			East		North		
EOSD					UTM		0387715		6887351
Snow/Ice		Rock			Tree Cover %		Terrain		
Water		Exposed			Lodgepole pine		Morainal (M)		
					Black spruce		Colluvium (C)		
	Sparse (10-25%)				White spruce		Fluvial (F)		
		Open (26-60%)			Subalpine fir		Glaciofluvial (FG)		
			Dense (>60%)		Aspen		Bedrock (R)		
				Wetland	Balsam Poplar		Organic (O)		
				Non-wetland	White birch		Eolian (E)		
Bryoids					Willow		Lacustrine (L)		
Herb							Glaciolacustrine (LG)		
Shrub low (<2m)							Ice (I)		
Shrub tall (>2m)				✓			Anthropogenic (A)		
Coniferous									
Broadleaf									
Mixed Wood									
Notes									
<p>Moose scat and tracks encountered</p> <p>lichen <5% in veg openings</p> <p>Willow 2-4m ht; 40% cc; some browse, not signif</p>									
Ecosystem Type (ie Spruce - dogwood - horsetail)									
162									

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date	
Plot # <i>112</i>			Poly#		Mapsheet	
Project ID				Location		
Ecoregion/Bioclimate <i>Med-Tall Spruce</i>				Parcel		
Elev(m) <i>1205</i>		Slope % <i>17%</i>		Disturb		
Aspect ° <i>92</i>		Photo # <i>549/550</i>		TPI <i>UP/MS</i>		
CTI <i>3</i>				East		North
EOSD				UTM <i>0387627 6887308</i>		
Snow/Ice		Rock		Tree Cover , %		Terrain
Water		Exposed		Lodgepole pine		Morainal (M)
		Sparse(10-25%)	Open(26-60%)	Dense(+60%)	Wetland	Non-wetland
						Black spruce
						White spruce
						Subalpine fir
						Aspen
						Balsam Poplar
Bryoids						White birch
Herb						Willow
Shrub low (<2m)					✓	Glaciolacustrine (LG)
Shrub tall (>2m)						Ice (I)
Coniferous						Anthropogenic (A)
Broadleaf						
Mixed Wood						
Notes <i>abundant R. groenlandicum = 85% + dwarf birch (b. glandulosa) = 20% ; 45cm ht. lichen = 5% willow - not substantial - < 5%</i>						
Ecosystem Type (ie Spruce - dogwood - horsetail)						
<i>142</i>						

Landscape Attribute Capture

Surveyor(s) <i>UP</i>					Date <i>Sept 10/11</i>				
Plot # <i>113</i>			Poly#		Mapsheet				
Project ID <i>Nansen Habitat</i>					Location				
Ecoregion/Bioclimate <i>Mer-Tal Shrub</i>					Parcel				
Elev(m) <i>1301</i>			Slope % <i>17</i>		Disturb				
Aspect ° <i>110</i>			Photo # <i>551-553</i>		TPI <i>UP/MS</i>				
CTI <i>4</i>			<i>BOH</i>		East			North	
EOSD					UTM		<i>0387477 6887269</i>		
Snow/Ice		Rock		Tree Cover %			Terrain		
Water		Exposed		Lodgepole pine			Morainal (M)		
		Sparse(10-25%) Open(26-60%) Dense(+60%) Wetland Non-wetland		Black spruce			Colluvium (C)		
				White spruce			Fluvial (F)		
				Subalpine fir			Glaciofluvial (FG)		
				Aspen			Bedrock (R)		
				Balsam Poplar			Organic (O)		
				White birch			Eolian (E)		
Bryoids				Willow			Lacustrine (L)		
Herb				✓			Glaciolacustrine (LG)		
Shrub low (<2m)							Ice (I)		
Shrub tall (>2m)							Anthropogenic (A)		
Coniferous									
Broadleaf									
Mixed Wood									
Notes <i>R. groenlandicum</i> abundant = 80%; 25cm ht placer several hundred metres south of plot some grasses/sedges no lichens willow 60-70cm ht.									
Ecosystem Type (ie Spruce - dogwood - horse tail) 142									

Landscape Attribute Capture

Surveyor(s) MP				Date Sept 10/11	
Plot # 114		Poly#		Mapsheet	
Project ID Nansen Habitat				Location	
Ecoregion/Bioclimate Med-Tall Shrub				Parcel	
Elev(m) 1338		Slope % 46		Disturb	
Aspect ° 100		Photo # 554-556		TPI US/C	
CTI 2		SUB		East North	
EOSD				UTM 0387410 6887432	
Snow/Ice		Rock		Tree Cover % Terrain	
Water		Exposed		Lodgepole pine Moraine (M)	
Sparse (10-25%) Open (26-60%) Dense (>60%) Wetland Non-wetland				Black spruce Colluvium (C)	
				White spruce Fluvial (F)	
				Subalpine fir Glaciofluvial (FG)	
				Aspen Bedrock (R)	
				Balsam Poplar Organic (O)	
				White birch Eolian (E)	
Herb				Willow Lacustrine (L)	
Shrub low (<2m)				✓	
Shrub tall (>2m)					
Coniferous				Anthropogenic (A)	
Broadleaf					
Mixed Wood					
Notes some exposed rock Vaccinium vitis-idaea abundant D. glandulosa 50-70cm ht; 35% cc sedges present. plot located in peak of knidolope area					
Ecosystem Type (ie Spruce - dogwood - horsetail) 113					

Landscape Attribute Capture

Surveyor(s) <i>MP</i>				Date <i>Sept 10/11</i>	
Plot # <i>115</i>		Poly#		Mapsheet	
Project ID <i>Nansen Habitat</i>			Location		
Ecoregion/Bioclimate <i>Mod Tall Shrub</i>			Parcel		
Elev(m) <i>1339</i>		Slope % <i>10</i>		Disturb	
Aspect ° <i>57</i>		Photo # <i>557-559</i>		TPI <i>UP/MS</i>	
CTI <i>3</i>		<i>SUB</i>		East	
				North	
EOSD			UTM		
			<i>0387256</i>		<i>6887394</i>
Snow/Ice		Rock		Tree Cover	%
Water		Exposed		Lodgepole pine	Terrain
				Black spruce	Morainal (M)
				White spruce	Colluvium (C) <i>Rocky</i>
				Subalpine fir	Fluvial (F)
				Aspen	Glaciofluvial (FG)
				Balsam Poplar	Bedrock (R)
				White birch	Organic (O)
Bryoids				Willow	Eolian (E)
Herb				Shrub low (<2m)	Lacustrine (L)
				Shrub tall (>2m)	Glaciolacustrine (LG)
				Coniferous	Ice (I)
				Broadleaf	Anthropogenic (A)
				Mixed Wood	
Notes					
<p><i>Some exposed rock in site</i> <i>grasses/sedges abundant</i> <i>lichens ≈ 30%</i> <i>willow ≈ 5% ; 20cm hd</i></p>					
Ecosystem Type (ie Spruce - dogwood - horse tail)					
<i>132</i>					

Landscape Attribute Capture

Surveyor(s) <i>MP</i>				Date <i>Sept 10/11</i>	
Plot # <i>110</i>		Poly#		Mapsheet	
Project ID <i>Nansen Habitat</i>			Location		
Ecoregion/Bioclimate <i>moist med-tall shrub</i>			Parcel		
Elev(m) <i>1291</i>	Slope % <i>10</i>		Disturb		
Aspect ° <i>253</i>	Photo # <i>560-562</i>		TPI <i>UP/MS</i>		
CTI <i>7</i>	<i>804</i>		East	North	
EOSD			UTM	<i>0386303</i>	<i>6887151</i>
Snow/Ice	Rock	Tree Cover	%	Terrain	
Water	Exposed	Lodgepole pine		Morainal (M)	
		Black spruce		Colluvium (C) <i>(C)</i>	
		White spruce		Fluvial (F)	
		Subalpine fir		Glaciofluvial (FG)	
		Aspen		Bedrock (R)	
		Balsam Poplar		Organic (O)	
Bryoids		White birch		Eolian (E)	
Herb		Willow <i>100</i>		Lacustrine (L)	
Shrub low (<2m)				Glaciolacustrine (LG)	
Shrub tall (>2m)				Ice (I)	
Coniferous				Anthropogenic (A)	
Broadleaf					
Mixed Wood					
Notes <i>tall grasses ~1m</i> <i>Willow > 3m tall.</i> <i>moose sign (beds/tracks/scat)</i> <i>No water encountered - plot in definite drainage.</i>					
Ecosystem Type (ie Spruce - dogwood - horsetail) <i>1102</i>					

Landscape Attribute Capture

Surveyor(s) <i>UP</i>				Date <i>Sept 10/11</i>	
Plot # <i>117</i>		Poly#		Mapsheet	
Project ID <i>Nansen Habitat</i>			Location		
Ecoregion/Bioclimate <i>Med-Tall Shrub</i>			Parcel		
Elev(m) <i>1302</i>		Slope % <i>13</i>		Disturb	
Aspect ° <i>192</i>		Photo # <i>563-565</i>		TPI <i>MS/MS</i>	
CTI <i>3</i>		<i>BOH</i>		East	
EOSD				North	
				UTM	
				<i>0385125</i>	
				<i>6888223</i>	
Snow/Ice		Rock		Tree Cover %	
Water		Exposed		Terrain	
				Lodgepole pine	
				Black spruce	
				White spruce	
				Subalpine fir	
				Aspen	
				Balsam Poplar	
				White birch	
				Willow	
				Shrub low (<2m)	
				Shrub tall (>2m)	
				Coniferous	
				Broadleaf	
				Mixed Wood	
Notes <i>Sw (white spruce) present, but scattered</i> <i>Willow abundant - 40%; 1-1.5m ht.</i> <i>b. glandulosa / R. groenlandicum</i> <i>lichens ≈ 10%</i> <i>little - no browse evident. NOHA observed</i>					
Ecosystem Type (ie Spruce - dogwood - horseail) <i>142</i>					

Landscape Attribute Capture

Surveyor(s) MJD				Date Sept. 10/11	
Plot # 118		Poly#		Mapsheet	
Project ID Nansen Habitat			Location		
Ecoregion/Bioclimate Med-Tall Shrub			Parcel		
Elev(m) 1320		Slope % 12		Disturb	
Aspect ° 268		Photo # 570-572		TPI UP/T	
CTI 2		SUB		East	
				North	
EOSD			UTM		
			0384708		6889533
Snow/Ice		Rock		Tree Cover %	Terrain
Water		Exposed		Lodgepole pine	Morainal (M)
	Sparse(10-25%) Open(26-60%) Dense(+60%) Wetland Non-wetland			Black spruce	Colluvium (C)
				White spruce	Fluvial (F)
				Subalpine fir	Glacioluvial (FG)
				Aspen	Bedrock (R)
				Balsam Poplar	Organic (O)
Bryoids					White birch
Herb				Willow	Lacustrine (L)
Shrub low (<2m)			✓		Glaciolacustrine (LG)
Shrub tall (>2m)					Ice (I)
Coniferous					Anthropogenic (A)
Broadleaf					
Mixed Wood					
Notes Salix dominant shrub ; 40cm hd. lichens = <5% upper limits of watersted / study area.					
Ecosystem Type (ie Spruce - dogwood - horse tail) 132					

Landscape Attribute Capture

Surveyor(s) <i>MP</i>				Date <i>Sept 10/11</i>	
Plot # <i>119</i>		Poly#		Mapsheet	
Project ID <i>Nanson Habitat</i>			Location		
Ecoregion/Bioclimate <i>Med-Tall Shrub</i>			Parcel		
Elev(m) <i>1312</i>		Slope % <i>10</i>		Disturb	
Aspect ° <i>242</i>		Photo # <i>573-575</i>		TPI <i>US/T</i>	
CTI <i>2</i>		<i>Both</i>		East	
				North	
EOSD			UTM		
			<i>0384677</i>		<i>6889425</i>
Snow/Ice		Rock		Tree Cover %	
Water		Exposed		Terrain	
				Lodgepole pine	
				Black spruce	
				White spruce	
				Subalpine fir	
				Aspen	
				Balsam Poplar	
				White birch	
				Willow	
				Shrub low (<2m)	
				Shrub tall (>2m)	
				Coniferous	
				Broadleaf	
				Mixed Wood	
Notes					
<p><i>many shrubs ≈ 1.5m ht. (majority).</i></p> <p><i>some willow present > 2m.</i></p> <p><i>lichen < 5%</i></p> <p><i>some browse on willow (old).</i></p>					
Ecosystem Type (ie Spruce - dogwood - horsehair)					
<i>132</i>					

Landscape Attribute Capture

Surveyor(s) MP				Date Sept 10/11	
Plot # 120		Poly#		Mapsheet	
Project ID			Location		
Ecoregion/Bioclimate Rock/Exposed			Parcel		
Elev(m) 1335	Slope % 63		Disturb		
Aspect ° 328	Photo # 576-579		TPI	JP/MS	
CTI 1	BOH		East	North	
EOSD			UTM	0386350	6887024
Snow/Ice	Rock	<input checked="" type="checkbox"/>	Tree Cover %	Terrain	
Water	Exposed		Lodgepole pine	Morainal (M)	
			Black spruce	Colluvium (C)	
			White spruce	Fluvial (F)	
			Subalpine fir	Glaciofluvial (FG)	
			Aspen	Bedrock (R)	
			Balsam Poplar	Organic (O)	
Bryoids			White birch	Eolian (E)	
Herb			Willow	Lacustrine (L)	
Shrub low (<2m)				Glaciolacustrine (LG)	
Shrub tall (>2m)				Ice (I)	
Coniferous				Anthropogenic (A)	
Broadleaf					
Mixed Wood					
Notes					
<p>colluvial materials located on north face of steep slope.</p> <p>vegetation is patchy</p> <p>most rocks \approx 90 mm in size; very loose</p>					
Ecosystem Type (ie Spruce - dogwood - horsetail)					

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept 19/11</i>				
Plot # <i>121</i>			Poly#		Mapsheet				
Project ID <i>Nansen Habitat</i>					Location				
Ecoregion/Bioclimate <i>Med-Tall Shrub</i>					Parcel				
Elev(m) <i>1335</i>			Slope % <i>36</i>		Disturb				
Aspect ° <i>311</i>			Photo # <i>580/581</i>		TPI <i>US/O</i>				
CTI <i>4</i>			<i>BH</i>		East			North	
EOSD					UTM		<i>0386471</i>		<i>6887061</i>
Snow/Ice		Rock			Tree Cover %			Terrain	
Water		Exposed			Lodgepole pine			Morainal (M)	
		<i>Sparse(10-25%)</i>	<i>Open(26-60%)</i>	<i>Dense(+60%)</i>	<i>Wetland</i>	<i>Non-wetland</i>	Black spruce	Colluvium (C)	
							White spruce	Fluvial (F)	
							Subalpine fir	Glaciofluvial (FG)	
							Aspen	Bedrock (R)	
							Balsam Poplar	Organic (O)	
Bryoids							White birch	Eolian (E)	
Herb							Willow	Lacustrine (L)	
Shrub low (<2m)						<input checked="" type="checkbox"/>		Glaciolacustrine (LG)	
Shrub tall (>2m)								Ice (I)	
Coniferous								Anthropogenic (A)	
Broadleaf									
Mixed Wood									
Notes									
<p><i>Plot located in small drainage site between two peaks.</i></p> <p><i>lichens: 25%</i></p> <p><i>Willow: 25% ; 1m ht.</i></p>									
Ecosystem Type (is Spruce - dogwood - horse tail)									
<i>152</i>									

Landscape Attribute Capture

Surveyor(s) MP					Date Sept 10/11		
Plot # 122			Poly#		Mapsheet		
Project ID Nansen Habitat					Location		
Ecoregion/Bioclimate Red-Tail shrub					Parcel		
Elev(m) 1362		Slope % level (<5)			Disturb		
Aspect ° 253		Photo # 583/584			TPI US/L		
CTI 2		SUB			East		
					North		
EOSD					UTM		
					0386650		
					6885875		
Snow/Ice		Rock		Tree Cover %		Terrain	
Water		Exposed		Lodgepole pine		Morainal (M)	
				Black spruce		Colluvium (C)	
				White spruce		Fluvial (F)	
				Subalpine fir		Glaciofluvial (FG)	
				Aspen		Bedrock (R)	
				Balsam Poplar		Organic (O)	
Bryoids				White birch		Eolian (E)	
Herb				Willow		Lacustrine (L)	
Shrub low (<2m)				✓		Glaciolacustrine (LG)	
Shrub tall (>2m)						Ice (I)	
Coniferous						Anthropogenic (A)	
Broadleaf							
Mixed Wood							
Notes lichens ≈ 50% shrubs ≈ 60 cm ht. max. willow 5%; no browse evident.							
Ecosystem Type (ie Spruce - dogwood - horse tail) 113							

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept 10/11</i>	
Plot # <i>123</i>			Poly#		Mapsheet	
Project ID <i>Nansen Habitat</i>				Location		
Ecoregion/Bioclimate <i>Med-Tall Shrub</i>				Parcel		
Elev(m) <i>1383</i>		Slope % <i>45</i>		Disturb		
Aspect ° <i>355°</i>		Photo # <i>586-589</i>		TPI <i>US/UP</i>		
CTI <i>2</i>		<i>SUB</i>		East		North
EOSD				UTM <i>0384627 6885512</i>		
Snow/Ice		Rock		Tree Cover %		Terrain
Water		Exposed		Lodgepole pine		Morainal (M)
		Sparse (10-25%) Open (26-60%) Dense (+60%) Wetland Non-wetland		Black spruce		Colluvium (C)
				White spruce		Fluvial (F)
				Subalpine fir		Glaciofluvial (FG)
				Aspen		Bedrock (R)
				Balsam Poplar		Organic (O)
				White birch		Eolian (E)
Bryoids				Willow		Lacustrine (L)
Herb						Glaciolacustrine (LG)
Shrub low (<2m)						Ice (I)
Shrub tall (>2m)						Anthropogenic (A)
Coniferous						
Broadleaf						
Mixed Wood						
Notes <i>LICHENS = 70%</i> <i>Salix / b. glandulosa = 5%</i>						
Ecosystem Type (ie Spruce - dogwood - horsetail) <i>112</i>						

Landscape Attribute Capture

Surveyor(s) <i>MD</i>					Date <i>Sept 10/11</i>	
Plot # <i>124</i>			Poly#		Mapsheet	
Project ID <i>Nansen Habitat</i>				Location		
Ecoregion/Bioclimate <i>Dry Herb</i>				Parcel		
Elev(m) <i>1389</i>		Slope % <i>42</i>		Disturb		
Aspect ° <i>331</i>		Photo # <i>590-593</i>		TPI <i>US/UP</i>		
CTI <i>2</i>		<i>SUB</i>		East		North
EOSD				UTM <i>0384755 6885509</i>		
Snow/Ice		Rock		Tree Cover %		Terrain
Water		Exposed		Lodgepole pine		Morainal (M)
		Sparse (10-25%) Open (26-60%) Dense (>60%) Wetland Non-wetted		Black spruce		Colluvium <i>Ⓢ</i>
				White spruce		Fluvial (F)
				Subalpine fir		Glaciofluvial (FG)
				Aspen		Bedrock (R)
				Balsam Poplar		Organic (O)
				Bryoids		
Herb				Willow	Lacustrine (L)	
Shrub low (<2m)					Glaciolacustrine (LG)	
Shrub tall (>2m)					Ice (I)	
Coniferous					Anthropogenic (A)	
Broadleaf						
Mixed Wood						
Notes <i>Lichens ~ 50%</i> <i>Salix / b. glandulosa ~ 2%</i> <i>plot uphill from access road (pic 590)</i>						
Ecosystem Type (ie Spruce - dogwood - horsetail) <i>112</i>						

Landscape Attribute Capture

Surveyor(s) MP				Date SEPT 10/11	
Plot # 125		Poly#		Mapsheet	
Project ID Nansen Habitat			Location		
Ecoregion/Bioclimate Med-Tall Shrub			Parcel		
Elev(m) 1280		Slope % 14		Disturb	
Aspect ° 172		Photo # 594/595		TPI LS/MS	
CTI 4		BDH		East North	
EOSD			UTM 038712 6881590		
Snow/Ice		Rock		Tree Cover %	Terrain
Water		Exposed		Lodgepole pine	Morainal (M)
	Sparse(10-25%) Open(26-60%) Dense(+60%) Wetland Non-wetland			Black spruce	Colluvium (C)
				White spruce	Fluvial (F)
				Subalpine fir	Glaciofluvial (FG)
				Aspen	Bedrock (R)
				Balsam Poplar	Organic (O)
Bryoids				White birch	Eolian (E)
Herb				Willow	Lacustrine (L)
Shrub low (<2m)			✓		Glaciolacustrine (LG)
Shrub tall (>2m)					Ice (I)
Coniferous					Anthropogenic (A)
Broadleaf					
Mixed Wood					
Notes Salix ca 1.5m ht, little browsing evident R. groenlandicum abundant					
Ecosystem Type (ie Spruce - dogwood - horsetail) 142					

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept 11/11</i>				
Plot # <i>126</i>			Poly#		Mapsheet				
Project ID <i>Nansen Habitat</i>					Location				
Ecoregion/Bioclimate <i>Med-Tall Shrub</i>					Parcel				
Elev(m) <i>1206</i>		Slope % <i>19</i>			Disturb				
Aspect ° <i>68</i>		Photo # <i>596-598</i>			TPI <i>LS/MS</i>				
CTI <i>4</i>		<i>BOH</i>			East		North		
EOSD					UTM		<i>0389120</i>		<i>6882651</i>
Snow/Ice		Rock			Tree Cover %		Terrain		
Water		Exposed			Lodgepole pine		Morainal (M)		
		Sparse (10-25%)	Open (26-60%)	Dense (>60%)	Wetland	Non-wetland	Black spruce		Colluvium (C)
							White spruce		Fluvial (F)
							Subalpine fir		Glacioluvial (FG)
							Aspen		Bedrock (R)
							Balsam Poplar		Organic (O)
Bryoids							White birch		Eolian (E)
Herb							Willow		Lacustrine (L)
Shrub low (<2m)						✓			Glaciolacustrine (LG)
Shrub tall (>2m)									Ice (I)
Coniferous									Anthropogenic (A)
Broadleaf									
Mixed Wood									
Notes									
<i>R. groenlandicum</i> abundant									
<i>Willows</i> ≈ 5%; 60cm ht; no browse									
<i>lichens</i> = 35%									
Ecosystem Type (ie Spruce - dogwood - horsetail)									
<i>152</i>									

Landscape Attribute Capture

Surveyor(s) MP				Date Sept 11 / 11	
Plot # 127		Poly#		Mapsheet	
Project ID Nanson Habitat				Location	
Ecoregion/Bioclimate Med-Tall Shrub				Parcel	
Elev(m) 1211		Slope % 28		Disturb	
Aspect ° 81		Photo # 599/600		TPI LS / MS	
CTI 4		BOH		East North	
EOSD				UTM 0389159 6882525	
Snow/Ice		Rock		Tree Cover %	
Water		Exposed		Terrain	
				Lodgepole pine	
				Black spruce	
				White spruce	
				Subalpine fir	
				Aspen	
				Balsam Poplar	
				White birch	
				Willow	
				Shrub low (<2m)	
				Shrub tall (>2m)	
				Coniferous	
				Broadleaf	
				Mixed Wood	
Notes Sw increasing along slope (southward); very sparse lichens = 55% salix showing some browse (old).					
Ecosystem Type (ie Spruce - dogwood - horse tail) 152					

Landscape Attribute Capture

Surveyor(s) <u>MP</u>					Date <u>Sept 11/11</u>				
Plot # <u>128</u>			Poly#		Mapsheet				
Project ID <u>Nansen Habitat</u>					Location				
Ecoregion/Bioclimate <u>Med-Tall Shrub</u>					Parcel				
Elev(m) <u>1204</u>			Slope % <u>28</u>		Disturb				
Aspect ° <u>92</u>			Photo # <u>601-603</u>		TPI <u>LS/MS</u>				
CTI <u>4</u>			<u>Both</u>		East			North	
EOSD					UTM <u>0389216</u> <u>6882406</u>				
Snow/Ice		Rock			Tree Cover %			Terrain	
Water		Exposed			Lodgepole pine			Morainal (M)	
		Sparse(10-25%) Open(25-60%) Dense(+60%) Wetland Non-wetted			Black spruce			Colluvium (C)	
					White spruce			Fluvial (F)	
					Subalpine fir			Glaciofluvial (FG)	
					Aspen			Bedrock (R)	
					Balsam Poplar			Organic (O)	
					White birch			Eolian (E)	
Bryoids					Willow			Lacustrine (L)	
Herb								Glaciolacustrine (LG)	
Shrub low (<2m)					✓			Ice (I)	
Shrub tall (>2m)								Anthropogenic (A)	
Coniferous									
Broadleaf									
Mixed Wood									
Notes <u>upslope of Back Ck, Placer operation</u> <u>lichens ≈ 5%</u> <u>Salix ≈ 7-10% ; 65 catch. no browse.</u> <u>Sw sparse < 5% cc.</u> <div style="float: right; text-align: right;"> ↑ ? </div>									
Ecosystem Type (is Spruce - dogwood - horsetail) <u>152</u>									

Landscape Attribute Capture

Surveyor(s) MP				Date Sept 11/11	
Plot # 129		Poly#		Mapsheet	
Project ID Nansen Habitat				Location	
Ecoregion/Bioclimate Med-Tal Shrub				Parcel	
Elev(m) 1186		Slope % 27		Disturb	
Aspect ° 37		Photo # 604-606		TPI LS/MS	
CTI 4		BoH		East North	
EOSD				UTM 0389384 6882296	
Snow/Ice		Rock		Tree Cover %	
Water		Exposed		Terrain	
				Lodgepole pine	
				Black spruce	
				White spruce	
				Subalpine fir	
				Aspen	
				Balsam Poplar	
Bryoids				White birch	
Herb				Willow	
Shrub low (<2m)				Lacustrine (L)	
Shrub tall (>2m)				Glaciolacustrine (LG)	
Coniferous				Ice (I)	
Broadleaf				Anthropogenic (A)	
Mixed Wood					
Notes Decrease of SW from plots 126-128 Increase of biglandulosa/Salix. Salix = 40% ; very little browse. Lichens = 25%					
Ecosystem Type (ie Spruce - dogwood - horsetail) 152					

Landscape Attribute Capture

Surveyor(s) MP				Date Sept 11/11	
Plot # 130		Poly#		Mapsheet	
Project ID Nansen Habitat				Location	
Ecoregion/Bioclimate moist mod-tall shrub				Parcel	
Elev(m) 1120		Slope % 10		Disturb <input checked="" type="checkbox"/>	
Aspect ° 144		Photo # 607-609		TPI LS/LS	
CTI 7		BoH		East North	
EOSD				UTM 0389750 6882283	
Snow/Ice		Rock		Tree Cover % Terrain	
Water		Exposed		Lodgepole pine Moraine (M)	
		Sparse(10-25%) Open(26-60%) Dense(+60%) Wetland Non-wetted		Black spruce Colluvium (C)	
				White spruce Fluvial (F)	
				Subalpine fir Glaciofluvial (FG)	
				Aspen Bedrock (R)	
				Balsam Poplar Organic (O)	
				White birch Eolian (E)	
Herb				Willow Lacustrine (L)	
Shrub low (<2m)				Glaciolacustrine (LG)	
Shrub tall (>2m)				Ice (I)	
Coniferous				Anthropogenic (A)	
Broadleaf					
Mixed Wood					
Notes Back Creek riparian; sediment deposition throughout. Salix spp. >2m ht; 80% cover grasses abundant No lichen browse on willow evident throughout					
Ecosystem Type (ie Spruce - dogwood - horse tail) 162					

Landscape Attribute Capture

Surveyor(s) MP				Date Sept 11/11	
Plot # 131		Poly#		Mapsheet	
Project ID Nansen habitat				Location	
Ecoregion/Bioclimate Med-Tal/Shrub				Parcel	
Elev(m) 1170		Slope % 17		Disturb	
Aspect ° 228		Photo # 610/611		TPI LS/MS	
CTI 4		BOH		East North	
EOSD				UTM 0389742 6882634	
Snow/Ice		Rock		Tree Cover % Terrain	
Water		Exposed		Lodgepole pine Morainal (M)	
Sparse (10-25%) Open (26-60%) Dense (>60%) Wetland Non-wetted				Black spruce Colluvium (C)	
				White spruce Fluvial (F)	
				Subalpine fir Glaciofluvial (FG)	
				Aspen Bedrock (R)	
				Balsam Poplar Organic (O)	
				White birch Eolian (E)	
Bryoids				Willow Lacustrine (L)	
Herb				Shrub low (<2m) ✓ Glaciolacustrine (LG)	
Shrub low (<2m)				Shrub tall (>2m) Ice (I)	
Shrub tall (>2m)				Coniferous Anthropogenic (A)	
Coniferous				Broadleaf	
Broadleaf				Mixed Wood	
Mixed Wood					
Notes SW sparse <10% - 200 m east: SW >10% R. groenlandicum 70% occ; 40cm ht, Salix ≈ 1m ht; no evidence of browse. V. uliginosum present ≈ 35cm ht, Lichens 40%					
Ecosystem Type (ie Spruce - dogwood - horsetail) 142					

Landscape Attribute Capture

Surveyor(s) <i>MD</i>					Date <i>Sept 11/11</i>					
Plot # <i>132</i>			Poly#		Mapsheet					
Project ID <i>Nansen habitat</i>					Location					
Ecoregion/Bioclimate <i>moist conifer</i>					Parcel					
Elev(m) <i>1187</i>		Slope % <i>19</i>			Disturb					
Aspect ° <i>254</i>		Photo # <i>612-614</i>			TPI <i>LS/MS</i>					
CTI <i>4</i>		<i>BOH</i>			East		North			
EOSD					UTM <i>0389684 6882786</i>					
Snow/Ice		Rock		Tree Cover %					Terrain	
Water		Exposed		Lodgepole pine					Morainal (M)	
				Black spruce					Colluvium (C)	
				White spruce <i>100</i>					Fluvial (F)	
				Subalpine fir					Glaciofluvial (FG)	
				Aspen					Bedrock (R)	
				Balsam Poplar					Organic (O)	
Bryoids				White birch					Eolian (E)	
Herb				Willow					Lacustrine (L)	
Shrub low (<2m)									Glaciolacustrine (LG)	
Shrub tall (>2m)									Ice (I)	
Coniferous		✓							Anthropogenic (A)	
Broadleaf										
Mixed Wood										
Notes										
<p><i>Salix v. l. - 2m ht; no browse observed</i></p> <p><i>b. glandulosa ≈ 1m ht.</i></p> <p><i>lichens - 40% cov</i></p> <p><i>V. vitis idaea / R. groenlandicum present.</i></p> <p><i>Sucht = 8-10 m ht.</i></p>										
Ecosystem Type (ie Spruce - dogwood - horsetail)										
<i>144</i>										

Landscape Attribute Capture

Surveyor(s) MP					Date Sept 11/11				
Plot # 133			Poly#		Mapsheet				
Project ID					Location				
Ecoregion/Bioclimate moist conifer					Parcel				
Elev(m) 1200		Slope % 13			Disturb				
Aspect ° 270		Photo # 615-617			TPI LS/MS				
CTI 4		BOH			East		North		
EOSD					UTM 0389469 6882971				
Snow/Ice		Rock				Tree Cover %		Terrain	
Water		Exposed				Lodgepole pine		Morainal (M)	
						Black spruce		Colluvium (C)	
						White spruce 100		Fluvial (F)	
						Subalpine fir		Glaciofluvial (FG)	
						Aspen		Bedrock (R)	
						Balsam Poplar		Organic (O)	
Bryoids						White birch		Eolian (E)	
Herb						Willow		Lacustrine (L)	
Shrub low (<2m)								Glaciolacustrine (LG)	
Shrub tall (>2m)								Ice (I)	
Coniferous		✓						Anthropogenic (A)	
Broadleaf									
Mixed Wood									
Notes Sw ≈ 15%cc ; 12-13m ht. Salix = <5% ; no browse V. uliginosum = 25% ; 40cm ht. R. groenlandicum present Lichen = 60%									
Ecosystem Type (ie Spruce - dogwood - horsetail) 144									

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept 11/11</i>	
Plot # <i>134</i>			Poly#		Mapsheet	
Project ID <i>Naniseen Habitat</i>				Location		
Ecoregion/Bioclimate <i>Grassland</i>				Parcel <i>South of Iscra camp</i>		
Elev(m) <i>958</i>		Slope % <i>47</i>		Disturb		
Aspect ° <i>181</i>		Photo # <i>619/620</i>		TPI <i>LS/LS</i>		
CTI <i>1</i>		<i>BOH</i>		East		North
EOSD				UTM <i>0391884 6875740</i>		
Snow/Ice		Rock		Tree Cover %		Terrain
Water		Exposed		Lodgepole pine		Morainal (M)
		Sparse(10-25%) Open(26-60%) Dense(+60%) Wetland Non-wetland		Black spruce		Colluvium (C)
				White spruce		Fluvial (F)
				Subalpine fir		Glaciofluvial (FG)
				Aspen		Bedrock (R)
				Balsam Poplar		Organic (O)
				White birch		Eolian (E)
Herb				Willow		Lacustrine (L)
Shrub low (<2m)						Glaciolacustrine (LG)
Shrub tall (>2m)						Ice (I)
Coniferous						Anthropogenic (A)
Broadleaf						
Mixed Wood						
Notes <i>South facing exposed slope</i> <i>Saxifrage dominant veg type</i> <i>Plot situated on an embankment overlooking expansive wetland area</i> <i>aspen situated in areas along slope.</i>						
Ecosystem Type (ie Spruce - dogwood - horseail) <i>112</i>						

Landscape Attribute Capture

Surveyor(s) <i>MP</i>				Date <i>Sept 11/11</i>	
Plot # <i>135</i>		Poly#		Mapsheet	
Project ID <i>Nansen Habitat</i>				Location	
Ecoregion/Bioclimate <i>Bog</i>				Parcel	<i>South of LSCEN camp</i>
Elev(m) <i>957</i>		Slope % <i>level</i>		Disturb	
Aspect ° <i>180</i>		Photo # <i>621-623</i>		TPI <i>VF/L</i>	
CTI <i>8</i>		<i>BOL</i>		East	North
EOSD				UTM	<i>0391844 6875688</i>
Snow/Ice		Rock		Tree Cover	%
Water		Exposed			Terrain
				Lodgepole pine	Moraine (M)
				Black spruce	Colluvium (C)
				White spruce	Fluvial (F)
				Subalpine fir	Glaciofluvial (FG)
				Aspen	Bedrock (R)
				Balsam Poplar	Organic (O)
Bryoids				White birch	Eolian (E)
Herb				Willow	Lacustrine (L)
Shrub low (<2m)					Glaciolacustrine (LG)
Shrub tall (>2m)					Ice (I)
Coniferous					Anthropogenic (A)
Broadleaf					
Mixed Wood					
Notes <i>very wet area adjacent to Nisling Riv. and wetlands</i> <i>standing water evident.</i> <i>Salix ≈ 5% ; no browse ; 1 mht.</i> <i>Lichens < 5%</i> <div style="text-align: right; margin-top: 10px;"><i>of 302</i></div>					
Ecosystem Type (re Spruce - dogwood - horsetail) <div style="text-align: left; margin-top: 5px;"><i>302</i></div>					

Landscape Attribute Capture

Surveyor(s) <u>MP</u>				Date <u>Sept 11/11</u>	
Plot # <u>136</u>		Poly#		Mapsheet	
Project ID <u>Nansen Habitat</u>			Location		
Ecoregion/Bioclimate <u>Bog</u>			Parcel <u>south of Isafncamp</u>		
Elev(m) <u>944</u>	Slope % <u>level</u>		Disturb		
Aspect ° <u>180</u>	Photo # <u>624-626</u>		TPI <u>VF/L</u>		
CTI <u>7</u>	<u>BOL</u>		East	North	
EOSD			UTM <u>0391679 6875597</u>		
Snow/Ice	Rock	Tree Cover	%	Terrain	
Water	Exposed	Lodgepole pine		Morainal (M)	
	Sparse(10-25%)	Black spruce		Colluvium (C)	
	Open(26-50%)	White spruce		Fluvia (F)	
	Dense(+60%)	Subalpine fir		Glaciofluvial (FG)	
	Wetland	Aspen		Bedrock (R)	
	Non-wetted	Balsam Poplar		Organic (O)	
Bryoids		White birch		Eolian (E)	
Herb		Willow		Lacustrine (L)	
Shrub low (<2m)				Glaciolacustrine (LG)	
Shrub tall (>2m)				Ice (I)	
Coniferous				Anthropogenic (A)	
Broadleaf					
Mixed Wood					
Notes <u>Evidence of old stream channel</u> <u>sparse conifer <5%</u> <u>Salix browse found</u> <u>No lichens.</u> <div style="text-align: center; margin-top: 10px;"><u>302</u></div>					
Ecosystem Type (ie Spruce - dogwood - horse tail) <u>302</u>					

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept 11/11</i>		
Plot # <i>137</i>			Poly#		Mapsheet		
Project ID <i>Nansen Habitat</i>				Location			
Ecoregion/Bioclimate <i>grassland</i>				Parcel			
Elev(m) <i>960</i>		Slope % <i>58</i>		Disturb			
Aspect ° <i>200</i>		Photo # <i>627-630</i>		TPI <i>L5/L5</i>			
CTI <i>1</i>		<i>BOH</i>		East		North	
EOSD				UTM <i>0391719 6875794</i>			
Snow/Ice		Rock		Tree Cover %		Terrain	
Water		Exposed		Lodgepole pine		Morainal (M)	
Sparse(10-25%) Open(26-60%) Dense(+60%) Wetland Non-wetted					Black spruce		Colluvium (C)
					White spruce		Fluvial (F)
					Subalpine fir		Glaciofluvial (FG)
					Aspen		Bedrock (R)
					Balsam Poplar		Organic (O)
					White birch		Eolian (E)
Herb		✓		Willow		Lacustrine (L)	
Shrub low (<2m)						Glaciolacustrine (LG)	
Shrub tall (>2m)						Ice (I)	
Coniferous						Anthropogenic (A)	
Broadleaf							
Mixed Wood							
Notes <i>South facing grassy slope</i> <i>- sedges/grasses</i> <i>- P. tremuloides present; <5% occ; ≈ 2m hf.</i> <i>- similar to plot 134</i>							
Ecosystem Type (ie Spruce - dogwood - horsetail) <div style="text-align: center; font-size: 1.2em;">112</div>							

Landscape Attribute Capture

Surveyor(s) <i>MP</i>				Date <i>Sept 11/11</i>			
Plot # <i>138</i>			Poly#		Mapsheet		
Project ID <i>Nansen Habitat</i>				Location			
Ecoregion/Bioclimate <i>Med-Tall Shrub</i>				Parcel <i>north of Iscfn camp.</i>			
Elev(m) <i>975</i>		Slope % <i>level</i>		Disturb			
Aspect ° <i>/</i>		Photo # <i>631/632</i>		TPI <i>LS/L</i>			
CTI <i>4</i>		<i>BOH</i>		East		North	
EOSD				UTM <i>0392098 6876469</i>			
Snow/Ice		Rock		Tree Cover %		Terrain	
Water		Exposed		Lodgepole pine		Morainal (M)	
		Sparse(10-25%) Open(26-50%) Dense(+60%) Wetland Non-wetted		Black spruce		Colluvium (C)	
				White spruce		Fluvial (F)	
				Subalpine fir		Glaciofluvial (FG)	
				Aspen		Bedrock (R)	
				Balsam Poplar		Organic (O)	
				Bryoids		White birch	
Herb		Willow		Lacustrine (L)			
Shrub low (<2m)						Glaciolacustrine (LG)	
Shrub tall (>2m)						Ice (I)	
Coniferous						Anthropogenic (A)	
Broadleaf							
Mixed Wood							
Notes <i>D. glandulosa - dominant shrub type. - 60cm avg ht. lichens ≈ 55% Salix < 5% ; short. > Lg expansive area - uniform throughout.</i>							
Ecosystem Type (ie Spruce - dogwood - horsetail) <i>142</i>							

Landscape Attribute Capture

Surveyor(s) <u>MP</u>				Date <u>Sept 11/11</u>	
Plot # <u>139</u>		Poly#		Mapsheet	
Project ID			Location		
Ecoregion/Bioclimate <u>Med-Tall Shrub</u>			Parcel		
Elev(m) <u>987</u>	Slope % <u>—</u>		Disturb		
Aspect ° <u>—</u>	Photo # <u>633/634</u>		TPI <u>LS/L</u>		
CTI <u>4</u>	<u>3014</u>		East	North	
EOSD			UTM <u>0391844</u> <u>6877884</u>		
Snow/Ice	Rock	Tree Cover %	Terrain		
Water	Exposed	Lodgepole pine	Morainal (M)		
	Sparse(10-25%)	Black spruce	Colluvium (C)		
	Open(26-60%)	White spruce	Fluvial (F)		
	Dense(+60%)	Subalpine fir	Glaciofluvial <u>(FC)</u>		
	Wetland	Aspen	Bedrock (R)		
	Non-wetland	Balsam Poplar	Organic (O)		
Bryoids		White birch	Eolian (E)		
Herb		Willow	Lacustrine (L)		
Shrub low (<2m)			Glaciolacustrine (LG)		
Shrub tall (>2m)			Ice (I)		
Coniferous			Anthropogenic (A)		
Broadleaf					
Mixed Wood					
Notes <u>same description as plot # 138</u> <u>>plot adjacent to ATV trail heading 175°</u> <u>- old airstrip</u>					
Ecosystem Type (ie Spruce - dogwood - horsetail) <u>142</u>					

Landscape Attribute Capture

Surveyor(s) <i>MP</i>				Date <i>Sept 11/11</i>	
Plot # <i>140</i>		Poly#		Mapsheet	
Project ID <i>Nansen habitat</i>			Location		
Ecoregion/Bioclimate <i>009</i>			Parcel		
Elev(m) <i>975</i>		Slope % <i>level</i>		Disturb	
Aspect ° <i>200</i>		Photo # <i>635/636</i>		TPI <i>LS/D</i>	
CTI <i>7</i>		<i>80L</i>		East	North
EOSD			UTM <i>0392117 6877106</i>		
Snow/Ice		Rock		Tree Cover %	Terrain
Water		Exposed		Lodgepole pine	Morainal (M)
		Sparse (10-25%) Open (26-60%) Dense (>60%) Wetland Non-wetland		Black spruce	Colluvium (C)
				White spruce	Fluvial (F)
				Subalpine fir	Glaciofluvial (FG)
				Aspen	Bedrock (R)
				Balsam Poplar	Organic (O)
Bryoids				White birch	Eolian (E)
Herb			✓	Willow	Lacustrine (L)
Shrub low (<2m)					Glaciolacustrine (LG)
Shrub tall (>2m)					Ice (I)
Coniferous					Anthropogenic (A)
Broadleaf					
Mixed Wood					
Notes <i>plot/area is marginal 161</i> <i>shrub layer consists of R.groenlandicum/b.glandulosa</i> <i>-grass/lichens/mosses >50% veg type.</i> <i>-no salix</i> <i>- moose tracks found.</i>					
Ecosystem Type (ie Spruce - dogwood - horsetail) <i>161</i>					

Landscape Attribute Capture

Surveyor(s) MP					Date Sept 11/11		
Plot # 141			Poly#		Mapsheet		
Project ID				Location			
Ecoregion/Bioclimate grassland				Parcel			
Elev(m) 1004		Slope % 51		Disturb			
Aspect ° 139		Photo # 637-639		TPI LS/MS			
CTI 1		BoH		East		North	
EOSD				UTM 0392055 6877932			
Snow/Ice		Rock		Tree Cover %		Terrain	
Water		Exposed		Lodgepole pine		Morainal (M)	
	Sparse(10-25%)	Open(26-60%)	Dense(60%)	Wetland	Non-wetland	Black spruce	Colluvium (C)
						White spruce	Fluvial (F)
						Subalpine fir	Glaciofluvial (FG)
						Aspen	Bedrock (R)
						Balsam Poplar	Organic (O)
Bryoids							
Herb					✓	Willow	Lacustrine (L)
Shrub low (<2m)							Glaciolacustrine (LG)
Shrub tall (>2m)							Ice (I)
Coniferous							Anthropogenic (A)
Broadleaf							
Mixed Wood							
Notes							
<p><i>P. tremuloides</i> on southeast slope 2-3 m.h.t. grasses dominant groundcover / A. UVA-URSI 2nd.</p>							
Ecosystem Type (ie Spruce - dogwood - horse tail)							
121							

Landscape Attribute Capture

Surveyor(s) MP					Date Sept 11/11	
Plot # 142			Poly#		Mapsheet	
Project ID Nansen Habitat				Location		
Ecoregion/Bioclimate Moist conifer				Parcel		
Elev(m) 1003		Slope % level (<5)		Disturb		
Aspect ° 218		Photo # 640/641		TPI LS / LS		
CTI 3		BOH		East		North
EOSD				UTM 0392620 6878477		
Snow/Ice		Rock		Tree Cover %		Terrain
Water		Exposed		Lodgepole pine		Morainal (M)
				Black spruce		Colluvium (C)
				White spruce 100		Fluvial (F)
				Subalpine fir		Glaciofluvial (G)
				Aspen		Bedrock (R)
				Balsam Poplar		Organic (O)
Bryoids				White birch		Eolian (E)
Herb				Willow		Lacustrine (L)
Shrub low (<2m)						Glaciolacustrine (LG)
Shrub tall (>2m)						Ice (I)
Coniferous		✓				Anthropogenic (A)
Broadleaf						
Mixed Wood						
Notes						
<p><i>No Salix spp.</i></p> <p><i>Sw ≈ 15% cc; 11m ht avg.</i></p> <p><i>B. glandulosa dominant shrub type.</i></p> <p><i>Lichen s = <5%</i></p> <p><i>Mosses = 40%</i></p>						
Ecosystem Type (ie Spruce - dogwood - horsetail)						
144						

Landscape Attribute Capture

Surveyor(s) MD					Date Sept 11/11				
Plot # 143			Poly#		Mapsheet				
Project ID Nansen Habitat					Location				
Ecoregion/Bioclimate Moist Conifer					Parcel				
Elev(m) 1027			Slope % 24		Disturb				
Aspect ° 251			Photo # 642-644		TPI LS/MS				
CTI 5			BOH		East			North	
EOSD					UTM 0392736 6878951				
Snow/Ice		Rock				Tree Cover %		Terrain	
Water		Exposed				Lodgepole pine		Morainal (M)	
						Black spruce		Colluvium (CD)	
		Sparse(10-25%) Open(26-60%) Dense(>60%)		Wetland Non-wetted		White spruce 100		Fluvial (F)	
						Subalpine fir		Glaciofluvial (FG)	
						Aspen		Bedrock (R)	
						Balsam Poplar		Organic (O)	
Bryoids						White birch		Eolian (E)	
Herb						Willow		Lacustrine (L)	
Shrub low (<2m)								Glaciolacustrine (LG)	
Shrub tall (>2m)								Ice (I)	
Coniferous		✓						Anthropogenic (A)	
Broadleaf									
Mixed Wood									
Notes OPEN sw stand ; 12-13 mht. Lichens ~ 60% E. nigrum / V. vitis-idaea (berries) throughout area									
Ecosystem Type (ie Spruce - dogwood - horseail) 144									

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept 11/11</i>				
Plot # <i>144</i>			Poly#			Mapsheet			
Project ID <i>Nansen Habitat</i>					Location				
Ecoregion/Bioclimate <i>Moist Conifer</i>					Parcel				
Elev(m) <i>1022</i>		Slope % <i>17</i>			Disturb				
Aspect ° <i>260</i>		Photo # <i>645/646</i>			TPI <i>LS/LS</i>				
CTI <i>3</i>		<i>BOH</i>			East		North		
EOSD					UTM <i>0392719 6878854</i>				
Snow/Ice		Rock			Tree Cover %		Terrain		
Water		Exposed			Lodgepole pine		Morainal (M)		
		Sparse (10-25%) Open (26-60%) Dense (>60%) Wetland Non-wetland			Black spruce		Colluvium (C)		
					White spruce <i>100</i>		Fluvial (F)		
					Subalpine fir		Glaciofluvial (FG)		
					Aspen		Bedrock (R)		
					Balsam Poplar		Organic (O)		
Bryoids					White birch		Eolian (E)		
Herb					Willow		Lacustrine (L)		
Shrub low (<2m)							Glaciolacustrine (LG)		
Shrub tall (>2m)							Ice (I)		
Coniferous		<input checked="" type="checkbox"/>					Anthropogenic (A)		
Broadleaf									
Mixed Wood									
Notes <i>SW Scattered; some regen coming up. Drier site compared to plot 143. Lichen = 20% willows ≈ <5% ; some browse evident some wood cutting has occurred here >30+ yrs.</i>									
Ecosystem Type (ie Spruce - dogwood - horse tail) <i>144</i>									

Landscape Attribute Capture

Surveyor(s) MP					Date Sept 11/11	
Plot # 145			Poly#		Mapsheet	
Project ID Nansen Habitat				Location		
Ecoregion/Bioclimate Med-Tall Shrub				Parcel		
Elev(m) 1113		Slope % 36		Disturb		
Aspect ° 9		Photo # 647-649		TPI MS/LS		
CTI 3		BOH		East		North
EOSD				UTM 0389514 6880443		
Snow/Ice		Rock		Tree Cover %		Terrain
Water		Exposed		Lodgepole pine		Morainal (M)
		Sparse(10-25%) Open(26-60%) Dense(60%) Wetland Non-wetted		Black spruce		Colluvium (C)
				White spruce		Fluvial (F)
				Subalpine fir		Glaciofluvial (FG)
				Aspen		Bedrock (R)
				Balsam Poplar		Organic (O)
Bryoids				White birch		Eolian (E)
Herb				Willow		Lacustrine (L)
Shrub low (<2m)				✓		Glaciolacustrine (LG)
Shrub tall (>2m)						Ice (I)
Coniferous						Anthropogenic (A)
Broadleaf						
Mixed Wood						
Notes adjacent to tailings facilities. lichens = 70% R.groenlandicum / B.glandulosa dominant veg type ≈ 50cm ht.						
Ecosystem Type (ie Spruce - dogwood - horsetail) 152						

Landscape Attribute Capture

Surveyor(s) MP				Date sept 11 / 11	
Plot # 146		Poly#		Mapsheet	
Project ID Nansen Habitat			Location		
Ecoregion/Bioclimate Med-Tall Shrub			Parcel		
Elev(m) 1127		Slope % 35		Disturb	
Aspect ° 9		Photo # 650-651		TPI MS/LS	
CTI 3		BOH		East	
				North	
EOSD			UTM		
			0389590		6880396
Snow/Ice		Rock		Tree Cover %	
Water		Exposed		Terrain	
				Lodgepole pine	
				Black spruce	
				White spruce	
				Subalpine fir	
				Aspen	
				Balsam Poplar	
				White birch	
				Willow	
				Shrub low (<2m)	
				Shrub tall (>2m)	
				Coniferous	
				Broadleaf	
				Mixed Wood	
Notes					
plot identical to plot 145 (refer)					
Ecosystem Type (ie Spruce - dogwood - horsetail)					
152					

Landscape Attribute Capture

Surveyor(s) <i>MP</i>				Date <i>Sept 12 / 11</i>	
Plot # <i>148</i>		Poly#		Mapsheet	
Project ID <i>Nansen Habitat</i>			Location <i>Top of Mt. Nansen</i>		
Ecoregion/Bioclimate <i>Dry Herb</i>			Parcel		
Elev(m) <i>1740</i>		Slope % <i>23</i>		Disturb	
Aspect ° <i>124</i>		Photo # <i>654-657</i>		TPI <i>A/C</i>	
CTI <i>1</i>		<i>ALP</i>		East North	
EOSD				UTM <i>2380261 6886906</i>	
Snow/Ice		Rock		Tree Cover %	
Water		Exposed		Terrain	
				Lodgepole pine	
				Black spruce	
				White spruce	
				Subalpine fir	
				Aspen	
				Balsam Poplar	
				White birch	
				Willow	
Bryoids				Eolian (E)	
Herb				Lacustrine (L)	
Shrub low (<2m)				Glaciolacustrine (LG)	
Shrub tall (>2m)				Ice (I)	
Coniferous				Anthropogenic (A)	
Broadleaf					
Mixed Wood					
Notes <i>Peak of Mt. Nansen</i> <i>Bryophytes dominant veg type</i> <i>Lichens < 5%</i> <i>Exposed Rock throughout site</i>					
Ecosystem Type (ie Spruce - dogwood - horsetail) <i>131</i>					

Landscape Attribute Capture

Surveyor(s) <u>MP</u>					Date <u>Sept 12/11</u>										
Plot # <u>149</u>			Poly#		Mapsheet										
Project ID <u>Nansen Habitat</u>					Location										
Ecoregion/Bioclimate <u>Dry Herb</u>					Parcel										
Elev(m) <u>1722</u>			Slope % <u>40</u>		Disturb										
Aspect ° <u>66</u>			Photo # <u>658-660</u>		TPI <u>F / UP</u>										
CTI <u>1</u>					ALP										
EOSD					UTM		<u>0580318</u>		<u>6886980</u>						
Snow/Ice		Rock				Tree Cover %		Terrain							
Water		Exposed				Lodgepole pine		Morainal (M)							
		Sparse(10-25%)		Open(26-60%)		Dense(40%)		Wetland		Non-wetland					
												Black spruce		Colluvium (C)	
										White spruce		Fluvial (F)			
												Subalpine fir		Glaciofluvial (FG)	
												Aspen		Bedrock (R)	
												Balsam Poplar		Organic (O)	
Bryoids												White birch		Eolian (E)	
Herb												Willow		Lacustrine (L)	
Shrub low (<2m)														Glaciolacustrine (LG)	
Shrub tall (>2m)														Ice (I)	
Coniferous														Anthropogenic (A)	
Broadleaf															
Mixed Wood															
Notes															
<p><u>Heather ; dominant veg type at site</u></p> <p><u>Lichens < 30%</u></p> <p><u>Some exposed rock (boulder size).</u></p> <p><u>Caribou scat observed.</u></p> <p><u>all veg low ht.</u></p>															
Ecosystem Type (ie Spruce - dogwood - horsetail)															
<u>131</u>															

Landscape Attribute Capture

Surveyor(s) <i>MD</i>					Date <i>Sept 12 / 11</i>				
Plot # <i>150</i>			Poly#			Mapsheet			
Project ID <i>Nansen Habitat</i>					Location				
Ecoregion/Bioclimate <i>Rock/Exposed</i>					Parcel				
Elev(m) <i>1696</i>			Slope % <i>59</i>			Disturb			
Aspect ° <i>22</i>			Photo # <i>061/062</i>			TPI <i>F/UP</i>			
CTI <i>0</i>					ALP				
EOST					UTM		<i>0380319</i>		<i>6887061</i>
Snow/Ice		Rock		<input checked="" type="checkbox"/>					
Water		Exposed				Tree Cover %		Terrain	
						Lodgepole pine		Morainal (M)	
						Black spruce		Colluvium (C) <i>(C)</i>	
						White spruce		Fluvial (F)	
						Subalpine fir		Glaciofluvial (FG)	
						Aspen		Bedrock (R)	
						Balsam Poplar		Organic (O)	
Bryoids						White birch		Eolian (E)	
Herb						Willow		Lacustrine (L)	
Shrub low (<2m)								Glaciolacustrine (LG)	
Shrub tall (>2m)								Ice (I)	
Coniferous								Anthropogenic (A)	
Broadleaf									
Mixed Wood									
Notes <i>Rocky (loose) colluvial materials (boulder)</i> <i>some heather emerging; but very little <5%</i>									
Ecosystem Type (ie Spruce - dogwood - horsetail) <i>111</i>									

Landscape Attribute Capture

Surveyor(s) UP					Date Sept 12/11					
Plot # 151			Poly#		Mapsheet					
Project ID Nansen Habitat					Location					
Ecoregion/Bioclimate moist herb/ground shrub					Parcel					
Elev(m) 1650			Slope % 55		Disturb					
Aspect ° 65			Photo # 663-665		TPI F/UP					
CTI 3					ALP		East		North	
EOSD					UTM		0380418		6887056	
Snow/Ice		Rock				Tree Cover %		Terrain		
Water		Exposed				Lodgepole pine		Morainal (M)		
		Sparse (10-25%) Open (26-60%) Dense (>60%) Wetland Non-wetland				Black spruce		Colluvium (C)		
						White spruce		Fluvial (F)		
						Subalpine fir		Glaciofluvial (FG)		
						Aspen		Bedrock (R)		
						Balsam Poplar		Organic (O)		
Bryoids						White birch		Eolian (E)		
Herb				✓		Willow		Lacustrine (L)		
Shrub low (<2m)								Glaciolacustrine (LG)		
Shrub tall (>2m)								Ice (I)		
Coniferous								Anthropogenic (A)		
Broadleaf										
Mixed Wood										
Notes some exposed cobble and boulders plot in drainage (general) downslope of peak. grasses/sedges throughout; mosses present Lichens 25%										
Ecosystem Type (ie Spruce - dogwood - horsetail) 131										

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept 12/11</i>				
Plot # <i>152</i>			Poly#		Mapsheet				
Project ID <i>Nansen Habitat</i>				Location					
Ecoregion/Bioclimate <i>Dry Herb</i>				Parcel					
Elev(m) <i>1596</i>		Slope % <i>42</i>			Disturb				
Aspect ° <i>315</i>		Photo # <i>666/667</i>			TPI <i>US/US</i>				
CTI <i>1</i>		<i>ALP</i>			East		North		
EOSD				UTM		<i>0380501</i>		<i>6887179</i>	
Snow/ice		Rock			Tree Cover %		Terrain		
Water		Exposed			Lodgepole pine		Morainal (M)		
		Sparse(10-25%)	Open(26-60%)	Dense(60%)	Wetland	Non-wetland	Black spruce		Colluvium (C)
							White spruce		Fluvial (F)
							Subalpine fir		Glaciofluvial (FG)
							Aspen		Bedrock (R)
							Balsam Poplar		Organic (O)
Bryoids							White birch		Eolian (E)
Herb						✓	Willow		Lacustrine (L)
Shrub low (<2m)									Glaciolacustrine (LG)
Shrub tall (>2m)									Ice (I)
Coniferous									Anthropogenic (A)
Broadleaf									
Mixed Wood									
Notes <i>some exposed boulders and cobbles sedges, grasses and moss dominant veg type weather also present.</i>									
Ecosystem Type (ie Spruce - dogwood - horsetail) <i>131</i>									

Landscape Attribute Capture

Surveyor(s) <u>MP</u>				Date <u>Sept 12/11</u>	
Plot # <u>153</u>		Poly#		Mapsheet	
Project ID <u>Nansen Habitat</u>			Location		
Ecoregion/Bioclimate <u>Dry Herb</u>			Parcel		
Elev(m) <u>1572</u>		Slope % <u>48</u>		Disturb	
Aspect ° <u>342</u>		Photo # <u>669-671</u>		TPI <u>US / US</u>	
CTI <u>1</u>		<u>ALP</u>		East	
EOSD				North	
			UTM		<u>038 0720 6887291</u>
Snow/Ice		Rock		Tree Cover %	
Water		Exposed		Terrain	
				Lodgepole pine	Morainal (M)
				Black spruce	Colluvium (C)
				White spruce	Fluvial (F)
				Subalpine fir	Glaciofluvial (FG)
				Aspen	Bedrock (R)
				Balsam Poplar	Organic (O)
Bryoids				White birch	Eolian (E)
Herb				Willow	Lacustrine (L)
Shrub low (<2m)					Glaciolacustrine (LG)
Shrub tall (>2m)					Ice (I)
Coniferous					Anthropogenic (A)
Broadleaf					
Mixed Wood					
Notes <u>Heather abundant ≈ 70%</u> <u>Lichens ≈ 10-15%</u> <u>Exposed rock in patches throughout (boulder/cobble)</u>					
Ecosystem Type (ie Spruce - dogwood - horseail) <u>131</u>					

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept 12/11</i>					
Plot # <i>154</i>			Poly#		Mapsheet					
Project ID <i>Nansen Habitat</i>					Location					
Ecoregion/Bioclimate <i>Rock/Exposed</i>					Parcel					
Elev(m) <i>1560</i>			Slope % <i>50</i>		Disturb					
Aspect ° <i>351</i>			Photo # <i>672/673</i>		TPI <i>US/US</i>					
CTI <i>1</i>					<i>ALP</i>		East		North	
EOSD					UTM		<i>0380715</i>		<i>6887321</i>	
Snow/Ice		Rock		<input checked="" type="checkbox"/>		Tree Cover %		Terrain		
Water		Exposed				Lodgepole pine		Morainal (M)		
		Sparse(10-25%) Open(26-60%) Dense(+60%)		Wetland Non-wetted		Black spruce		Colluvium (C)		
						White spruce		Fluvial (F)		
						Subalpine fir		Glaciofluvial (FG)		
						Aspen		Bedrock (R)		
						Balsam Poplar		Organic (O)		
Bryoids						White birch		Eolian (E)		
Herb						Willow		Lacustrine (L)		
Shrub low (<2m)								Glaciolacustrine (LG)		
Shrub tall (>2m)								Ice (I)		
Coniferous								Anthropogenic (A)		
Broadleaf										
Mixed Wood										
Notes <i>60% colluvium - exposed, loose rock (boulder). 40% bryoids/herbs.</i>										
Ecosystem Type (ie Spruce - dogwood - horsetail) <i>111</i>										

Landscape Attribute Capture

Surveyor(s) MP.					Date Sept 12/11				
Plot # 155			Poly#		Mapsheet				
Project ID Nanson Habitat					Location				
Ecoregion/Bioclimate moist med-tall shrub					Parcel				
Elev(m) 1484		Slope % 7			Disturb				
Aspect ° 118		Photo # 674/675			TPI US/US				
CTI 13		SVB/ALP			East		North		
EOSD					UTM		0382221		6883571
Snow/Ice		Rock			Tree Cover %		Terrain		
Water		Exposed			Lodgepole pine		Morainal (M)		
		Sparse (10-25%)	Open (26-60%)	Dense (>60%)	Wetland	Non-wetted	Black spruce		Colluvium (C)
							White spruce		Fluvial (F)
							Subalpine fir		Glaciofluvial (FG)
							Aspen		Bedrock (R)
							Balsam Poplar		Organic (O)
Bryoids							White birch		Eolian (E)
Herb							Willow		Lacustrine (L)
Shrub low (<2m)						✓			Glaciolacustrine (LG)
Shrub tall (>2m)									Ice (I)
Coniferous									Anthropogenic (A)
Broadleaf									
Mixed Wood									
Notes									
<p>This site is situated at what appears to be the upper limit of subalpine.</p> <p>Salix, b.glandulosa, V. uliginosum prominent veg.</p> <p>Lichens ≈ 25%</p> <p>High veg ≈ 65cmht.</p>									
Ecosystem Type (ie Spruce - dogwood - horsetail)									
142									

Landscape Attribute Capture

Surveyor(s) <i>LP</i>					Date <i>Sept 12/11</i>				
Plot # <i>156</i>			Poly#			Mapsheet			
Project ID <i>Nauson Habitat</i>					Location				
Ecoregion/Bioclimate <i>Mod-Tall Shrub</i>					Parcel				
Elev(m) <i>1459</i>			Slope % <i>36</i>			Disturb			
Aspect ° <i>113</i>			Photo # <i>619-681</i>			TPI <i>US/US</i>			
CTI <i>3</i>			<i>SJB</i>			East		North	
EOSD					UTM		<i>0382368</i>		<i>6883482</i>
Snow/ice		Rock				Tree Cover %		Terrain	
Water		Exposed				Lodgepole pine		Morainal (M)	
		Sparse(10-25%) Open(26-60%) Dense(+60%) Wetland Non-wetted				Black spruce		Colluvium (C)	
						White spruce		Fluvial (F)	
						Subalpine fir		Glaciofluvial (FG)	
						Aspen		Bedrock (R)	
						Balsam Poplar		Organic (O)	
Bryoids								White birch	
Herb						Willow		Lacustrine (L)	
Shrub low (<2m)				✓				Glaciolacustrine (LG)	
Shrub tall (>2m)								Ice (I)	
Coniferous								Anthropogenic (A)	
Broadleaf									
Mixed Wood									
Notes <i>upper limits of conifer (very sparse <1%). Salix, H. glandulosa. prominent shrub type E. nigrum / U. vitis-idaea present (in patches) exposed soils/gravels also patchy.</i>									
Ecosystem Type (ie Spruce - dogwood - horsetail) <i>142</i>									

Landscape Attribute Capture

Surveyor(s) MP				Date Sept 12/11				
Plot # 157			Poly#		Mapsheet			
Project ID Nansen Habitat					Location			
Ecoregion/Bioclimate Med-Tall Shrub					Parcel			
Elev(m) 1422		Slope % 14		Disturb				
Aspect ° 117		Photo # 682-684		TPI NP/L				
CTI 3/4		SUB		East		North		
EOSD					UTM		0382486 6883528	
Snow/Ice		Rock		Tree Cover %			Terrain	
Water		Exposed		Lodgepole pine			Morainal (M)	
				Black spruce			Colluvium (C)	
				White spruce			Fluvial (F)	
				Subalpine fir			Glaciofluvial (FG)	
				Aspen			Bedrock (R)	
				Balsam Poplar			Organic (O)	
Bryoids				White birch			Eolian (E)	
Herb				Willow			Lacustrine (L)	
Shrub low (<2m)				✓			Glaciolacustrine (LG)	
Shrub tall (>2m)							Ice (I)	
Coniferous							Anthropogenic (A)	
Broadleaf								
Mixed Wood								
Notes Fruit bearing plants V. uliginosum, E. negron, V. vitis-idaea prominent Lichens 50% Sw (V. sparse). Salix <5% ; 50cmht. extensive g. squirrel activity upslope of site.								
Ecosystem Type (ie Spruce - dogwood - horsetail) 141								

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept 12/11</i>					
Plot # <i>158</i>			Poly#			Mapsheet				
Project ID <i>Nausen Habitat</i>					Location					
Ecoregion/Bioclimate <i>Rock/Exposed</i>					Parcel					
Elev(m) <i>1398</i>			Slope % <i>46</i>			Disturb				
Aspect ° <i>150</i>			Photo # <i>685/686</i>			TPI <i>US/US</i>				
CTI <i>1</i>					SJB					
EOST					UTM		<i>0382613</i>		<i>6883626</i>	
Snow/Ice		Rock		<input checked="" type="checkbox"/>		Tree Cover %		Terrain		
Water		Exposed				Lodgepole pine		Morainal (M)		
		Sparse(10-25%) Open(26-60%) Dense(40%)		Wetland Non-wetted		Black spruce		Colluvium (C)		
						White spruce		Fluvial (F)		
						Subalpine fir		Glaciofluvial (FG)		
						Aspen		Bedrock (R)		
						Balsam Poplar		Organic (O)		
Bryoids						White birch		Eolian (E)		
Herb						Willow		Lacustrine (L)		
Shrub low (<2m)								Glaciolacustrine (LG)		
Shrub tall (>2m)								Ice (I)		
Coniferous								Anthropogenic (A)		
Broadleaf										
Mixed Wood										
<p>Notes <i>rocky site (gravels dominant; boulders 2nd sm. shrubs present Dry looking site. NOHA seen; probably hunting evidence of g. squirrels fine sand mixed into soils - likely blown in.</i></p>										
<p>Ecosystem Type (ie Spruce - dogwood - horsetail) <i>111</i></p>										

Landscape Attribute Capture

Surveyor(s) <u>MP</u>					Date <u>Sept 12/11</u>	
Plot # <u>159</u>			Poly#		Mapsheet	
Project ID <u>Nansen Habitat</u>				Location		
Ecoregion/Bioclimate <u>Med-Tall Shrub</u>				Parcel		
Elev(m) <u>1361</u>		Slope % <u>13</u>		Disturb		
Aspect ° <u>70</u>		Photo # <u>687-689</u>		TPI <u>MS/LS</u>		
CTI <u>3</u>		<u>SUB</u>		East		North
EOSD				UTM <u>0382814</u> <u>6883630</u>		
Snow/Ice		Rock		Tree Cover %		Terrain
Water		Exposed		Lodgepole pine		Morainal (M)
				Black spruce		Colluvium (C)
				White spruce		Fluvial (F)
				Subalpine fir		Glaciofluvial (FG)
				Aspen		Bedrock (R)
				Balsam Poplar		Organic (O)
Bryoids				White birch		Eolian (E)
Herb				Willow		Lacustrine (L)
Shrub low (<2m)				✓		Glaciolacustrine (LG)
Shrub tall (>2m)						Ice (I)
Coniferous						Anthropogenic (A)
Broadleaf						
Mixed Wood						
Notes						
<p>Shrub species - increased density - Salix, b.glandulosa, R.groenlandicum - 60cm ht.</p> <p>Mosses/Lichens present</p> <p>Terrain somewhat tussocky</p> <p>Sw - very sparse. caribou scat + tracks seen.</p>						
Ecosystem Type (ie Spruce - dogwood - horsetail)						
142						

Landscape Attribute Capture

Surveyor(s) MP			Date Sept 12/11		
Plot # 160		Poly#		Mapsheet	
Project ID Nansen Habitat			Location Victoria Ck headw.		
Ecoregion/Bioclimate Rock/Exposed			Parcel		
Elev(m) 1695		Slope % 57		Disturb	
Aspect ° 159		Photo # 690-692		TPI US/UP	
CTI 0		ALP		East	
				North	

EOSD			UTM 0387807 6889541		
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Snow/ice	Rock	<input checked="" type="checkbox"/>		Tree Cover %	Terrain
Water	Exposed			Lodgepole pine	Morainal (M)
				Black spruce	Colluvium (C)
				White spruce	Fluvial (F)
				Subalpine fir	Glaciofluvial (FG)
				Aspen	Bedrock (R)
				Balsam Poplar	Organic (O)
Bryoids				White birch	Eolian (E)
Herb				Willow	Lacustrine (L)
Shrub low (<2m)					Glaciolacustrine (LG)
Shrub tall (>2m)					Ice (I)
Coniferous					Anthropogenic (A)
Broadleaf					
Mixed Wood					

Notes **Boulder/Cobble material**

Ecosystem Type (ie Spruce - dogwood - horseail)

111

Landscape Attribute Capture

Surveyor(s) MP					Date Sept 12/11			
Plot # 161			Poly#		Mapsheet			
Project ID Nansen Habitat				Location				
Ecoregion/Bioclimate Dry Herb				Parcel				
Elev(m) 1679		Slope % 20		Disturb				
Aspect ° 160		Photo # 693-695		TPI US/US				
CTI 1		ALP		East		North		
EOSD				UTM 0387727 6889462				
Snow/Ice		Rock		Tree Cover %		Terrain		
Water		Exposed		Lodgepole pine		Morainal (M)		
		Sparse(10-25%)	Open(26-60%)	Dense(60%)	Wetland	Non-wetted	Black spruce	Colluvium (C)
							White spruce	Fluvial (F)
							Subalpine fir	Glaciofluvial (FG)
							Aspen	Bedrock (R)
							Balsam Poplar	Organic (O)
Bryoids							White birch	Eolian (E)
Herb						✓	Willow	Lacustrine (L)
Shrub low (<2m)								Glaciolacustrine (LG)
Shrub tall (>2m)								Ice (I)
Coniferous								Anthropogenic (A)
Broadleaf								
Mixed Wood								
Notes Dry site - sedges / grass prominent veg patches of cobble boulder materials throughout								
Ecosystem Type (ie Spruce - dogwood - horsetail) 131								

Landscape Attribute Capture

Surveyor(s) MP					Date Sept 12/11	
Plot # 162			Poly#		Mapsheet	
Project ID Nansen Habitat				Location		
Ecoregion/Bioclimate Dry Herb				Parcel		
Elev(m) 1658		Slope % 20		Disturb		
Aspect ° 125		Photo # 696-699		TPI VS / MS		
CTI 1		ALP		East		North
EOSD				UTM 0387748 6889368		
Snow/Ice		Rock		Tree Cover %		Terrain
Water		Exposed		Lodgepole pine		Morainal (M)
		Sparse(10-25%) Open(25-60%) Dense(>60%) Wetland Non-wetland		Black spruce		Colluvium (C)
				White spruce		Fluvial (F)
				Subalpine fir		Glaciofluvial (FG)
				Aspen		Bedrock (R)
				Balsam Poplar		Organic (O)
Bryoids				White birch		Eolian (E)
Herb				Willow		Lacustrine (L)
Shrub low (<2m)						Glaciolacustrine (LG)
Shrub tall (>2m)						Ice (I)
Coniferous						Anthropogenic (A)
Broadleaf						
Mixed Wood						
Notes site identical to plot 161.						
Ecosystem Type (ie Spruce - dogwood - horseail) 131						

Landscape Attribute Capture

Surveyor(s) <i>MP</i>				Date <i>Sept 12/11</i>	
Plot # <i>163</i>		Poly#		Mapsheet	
Project ID <i>Nanson Habitat</i>			Location <i>Nisling Wetlands</i>		
Ecoregion/Bioclimate <i>Med-Txl Shrub</i>			Parcel		
Elev(m) <i>936</i>		Slope % <i>✓</i>		Disturb	
Aspect ° <i>✓</i>		Photo # <i>702-704</i>		TPI <i>VF/L</i>	
CTI <i>5</i>		<i>7604 - John Box</i>		East	North
EOSD			UTM <i>0390081 6875458</i>		
Snow/Ice		Rock		Tree Cover %	
Water		Exposed		Terrain	
				Lodgepole pine	
				Black spruce	
				White spruce	
				Subalpine fir	
				Aspen	
				Balsam Poplar	
				White birch	
				Willow	
				Lacustrine (L)	
				Glaciolacustrine (LG)	
				Ice (I)	
				Anthropogenic (A)	
Bryoids					
Herb					
Shrub low (<2m)					
Shrub tall (>2m)					
Coniferous					
Broadleaf					
Mixed Wood					
Notes					
<p><i>Moose scat / browse encountered.</i></p> <p><i>b. glandulosa / Salix spp. - shrub layer >2mht.</i></p> <p><i>Lichens = 15%</i></p> <p><i>Riparian edge along Nisling</i></p>					
Ecosystem Type (ie Spruce - dogwood - horse tail)					
<i>302</i>					

Landscape Attribute Capture

Surveyor(s) MP				Date Sept 12/11	
Plot # 164		Poly#		Mapsheet	
Project ID Nausum Habitat			Location Nisting		
Ecoregion/Bioclimate Moist Conifer			Parcel		
Elev(m) 941		Slope % /		Disturb	
Aspect ° /		Photo # 705-707		TPI VF/L	
CTI 5		BOH		East North 	
EOSD			UTM 0390181 6075479		
Snow/Ice		Rock		Tree Cover %	
Water		Exposed		Terrain	
				Lodgepole pine	
				Black spruce	
				White spruce 100	
				Subalpine fir	
				Aspen	
				Balsam Poplar	
				White birch	
				Willow	
				Shrub low (<2m)	
				Shrub tall (>2m)	
				Coniferous	
				Broadleaf	
				Mixed Wood	
Notes clean ground cover (very little down woody debris or shrubs) Lichen-50% A. uva-ursi - 40% Shrub layer <10%					
Ecosystem Type (ie Spruce - dogwood - horse tail)					
164					

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept 12/11</i>		
Plot # <i>105</i>			Poly#		Mapsheet		
Project ID <i>Nanson Habitat</i>				Location <i>Nisling Wetlands</i>			
Ecoregion/Bioclimate <i>Med-Tall shrub</i>				Parcel			
Elev(m) <i>938</i>		Slope % <i>/</i>		Disturb			
Aspect ° <i>/</i>		Photo # <i>708-710</i>		TPI <i>VF/L</i>			
CTI <i>7</i>		<i>302</i>		East		North	
EOSD				UTM <i>0390134 6875608</i>			
Snow/Ice		Rock		Tree Cover %		Terrain	
Water		Exposed		Lodgepole pine		Morainal (M)	
	Sparse(10-25%)	Open(25-60%)	Dense(>60%)	Wetland	Non-wetland	Black spruce	Colluvium (C)
						White spruce	Fluvial (F)
						Subalpine fir	Glaciofluvial (FG)
						Aspen	Bedrock (R)
						Balsam Poplar	Organic (O)
Bryoids						White birch	Eolian (E)
Herb						Willow	Lacustrine (L)
Shrub low (<2m)				✓			Glaciolacustrine (LG)
Shrub tall (>2m)							Ice (I)
Coniferous							Anthropogenic (A)
Broadleaf							
Mixed Wood							
Notes <i>Plot adjacent to pond b. glandulosa dominant veg type ≈ 1.25 m.hf. mosses/lichens - groundcover lichens ≈ 5%</i>							
Ecosystem Type (ie Spruce - dogwood - horse tail) <i>302</i>							

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date	
Plot # <i>166</i>			Poly#		Mapsheet	
Project ID <i>Nansen Habitat</i>				Location <i>Nisling Wetlands</i>		
Ecoregion/Bioclimate <i>Fen</i>				Parcel		
Elev(m) <i>942</i>		Slope % <i>/</i>		Disturb		
Aspect ° <i>/</i>		Photo # <i>716-720</i>		TPI <i>VF / L</i>		
CTI <i>9</i>				East		North
EOSD				UTM <i>0390168 6875653</i>		
Snow/Ice		Rock		Tree Cover %		Terrain
Water	<input checked="" type="checkbox"/>	Exposed		Lodgepole pine		Morainal (M)
	Sparse(10-25%)	Open(26-60%)	Dense(+60%)	Wetland	Non-wetland	Black spruce
						White spruce
						Subalpine fir
						Aspen
						Balsam Poplar
Bryoids						White birch
Herb						Willow
Shrub low (<2m)						Lacustrine (L)
Shrub tall (>2m)						Glaciolacustrine (LG)
Coniferous						Ice (I)
Broadleaf						Anthropogenic (A)
Mixed Wood						
Notes <i>Wetland pond - grasses concentrated around margins, then willow. - big glandulosa making the remaining perimeter. - game trails around pond.</i>						
Ecosystem Type (ie Spruce - dogwood - horse tail)						
<i>301</i>						

Landscape Attribute Capture

Surveyor(s) MP					Date Sept 12/11	
Plot # 167			Poly#		Mapsheet	
Project ID Nansen Habitat				Location		
Ecoregion/Bioclimate BoH BOL - Bog				Parcel		
Elev(m) 933		Slope % /		Disturb		
Aspect ° /		Photo # 721-724		TPI JE/L		
CTI 8		BOL		East		North
EOSD				UTM		
				0390221		6875702
Snow/Ice		Rock		Tree Cover %		Terrain
Water		Exposed		Lodgepole pine		Morainal (M)
				Black spruce		Colluvium (C)
				White spruce		Fluvial (F)
				Subalpine fir		Glaciofluvial (FG)
				Aspen		Bedrock (R)
				Balsam Poplar		Organic (O)
Bryoids				White birch		Eolian (E)
Herb				Willow		Lacustrine (L)
Shrub low (<2m)						Glaciolacustrine (LG)
Shrub tall (>2m)						Ice (I)
Coniferous						Anthropogenic (A)
Broadleaf						
Mixed Wood						
Notes plot located in drainage upslope into wetlands. tussocky terrain mosses prominent.						
Ecosystem Type (ie Spruce - dogwood - horsehair) 301						

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept. 12/11</i>						
Plot # <i>108</i>			Poly#		Mapsheet						
Project ID <i>Nansen Habitat</i>				Location <i>Nisling</i>							
Ecoregion/Bioclimate <i>grassland</i>				Parcel							
Elev(m) <i>953</i>		Slope % <i>33</i>			Disturb						
Aspect ° <i>214</i>		Photo # <i>725/726</i>			TPI <i>LS/LS</i>						
CTI <i>2</i>		<i>BoH</i>			East			North			
EOSD					UTM <i>0390309 6875753</i>						
Snow/Ice		Rock		Tree Cover %						Terrain	
Water		Exposed		Lodgepole pine						Morainal (M)	
				Black spruce						Colluvium (C)	
				White spruce						Fluvial (F)	
				Subalpine fir						Glaciofluvial (G)	
				Aspen						Bedrock (R)	
				Balsam Poplar						Organic (O)	
Bryoids				White birch						Eolian (E)	
Herb				Willow						Lacustrine (L)	
Shrub low (<2m)										Glaciolacustrine (LG)	
Shrub tall (>2m)										Ice (I)	
Coniferous										Anthropogenic (A)	
Broadleaf											
Mixed Wood											
Notes <i>South facing dry slope</i> <i>A. uva-ursi / lichens dominant veg type.</i> <i>grasses sparse</i> <i>small game trail encountered</i> <i>some sw growth on crest.</i>											
Ecosystem Type (ie Spruce - dogwood - horsetail) <i>112</i>											

Landscape Attribute Capture

Surveyor(s) MP				Date Sept 13/11			
Plot # 170		Poly#		Mapsheet			
Project ID Nansen Habitat			Location Nansen Drainage				
Ecoregion/Bioclimate Med-Tall Shrub			Parcel				
Elev(m) 1117		Slope % 44		Disturb			
Aspect ° 233		Photo # 727-730		TPI LS / LS			
CTI 2		BOH		East North			
EOSD			UTM 0383882 6883475				
Snow/Ice		Rock		Tree Cover %			
Water		Exposed		Terrain			
	Sparse(10-25%)	Open(26-60%)	Dense(+60%)	Welland	Non-wetted	Lodgepole pine	Morainal (M)
						Black spruce	Colluvium (C)
						White spruce	Fluvial (F) inactive
						Subalpine fir	Glaciofluvial (FG)
						Aspen	Bedrock (R)
						Balsam Poplar	Organic (O)
Bryoids						White birch	Eolian (E)
Herb						Willow	Lacustrine (L)
Shrub low (<2m)					✓		Glaciolacustrine (LG)
Shrub tall (>2m)							Ice (I)
Coniferous							Anthropogenic (A)
Broadleaf							
Mixed Wood							
Notes							
<p>inactive fluvial fan Shrub layer consists of <i>b.glandulosa</i> ≈ 90% <i>A.uva-ursi</i> prominent groundcover ≈ 70% Lichens < 5% - only on crest of small slope, Sw very scattered < 5% cover.</p>							
Ecosystem Type (ie Spruce - dogwood - horsetail)							
112							

Landscape Attribute Capture

Surveyor(s) <i>MP</i>					Date <i>Sept 13/11</i>				
Plot # <i>171</i>			Poly#		Mapsheet				
Project ID <i>Nansen Habitat</i>					Location				
Ecoregion/Bioclimate <i>Moist conifer</i>					Parcel				
Elev(m) <i>1187</i>		Slope % <i>30</i>			Disturb				
Aspect ° <i>184</i>		Photo # <i>731-733</i>			TPI <i>MS/MS</i>				
CTI <i>4</i>		<i>BOH</i>			East		North		
EOSD					UTM <i>038508</i>		<i>6882303</i>		
Snow/Ice		Rock			Tree Cover %		Terrain		
Water		Exposed			Lodgepole pine		Morainal (M)		
		Sparse(10-25%)	Open(26-60%)	Dense(60%)	Wetland	Non-wetland	Black spruce	Colluvium (C)	
							White spruce <i>100</i>	Fluvial (F)	
							Subalpine fir	Glaciofluvial (FG)	
							Aspen	Bedrock (R)	
							Balsam Poplar	Organic (O)	
Bryoids							White birch	Eolian (E)	
Herb							Willow	Lacustrine (L)	
Shrub low (<2m)								Glaciolacustrine (LG)	
Shrub tall (>2m)								Ice (I)	
Coniferous			✓					Anthropogenic (A)	
Broadleaf									
Mixed Wood									
Notes <i>Climax conifer forest. Sw ≈ 17 mht. groundcover consisting of V.vitis-idaea, E.nigrum Lichens ≈ 5% no new browse (mosses)</i>									
Ecosystem Type (ie Spruce - dogwood - horsetail) <i>144</i>									

Landscape Attribute Capture

Surveyor(s) UP					Date Sept 13/11	
Plot # 172			Poly#		Mapsheet	
Project ID Narvesen Habitat				Location		
Ecoregion/Bioclimate Rock/Exposed				Parcel		
Elev(m) 1312		Slope % 22		Disturb		
Aspect ° 210		Photo # 734/735		TPI MS/MS		
CTI 1		Both		East		North
EOSD				UTM 038 6480 6881865		
Snow/Ice		Rock		Tree Cover %		Terrain
Water		Exposed <input checked="" type="checkbox"/>		Lodgepole pine		Morainal (M)
		Sparse(10-25%) Open(25-60%) Dense(+60%) Wetland Non-wetland		Black spruce		Colluvium (C)
				White spruce		Fluvial (F)
				Subalpine fir		Glaciofluvial (FG)
				Aspen		Bedrock (R)
				Balsam Poplar		Organic (O)
Bryoids				White birch		Eolian (E)
Herb				Willow		Lacustrine (L)
Shrub low (<2m)						Glaciolacustrine (LG)
Shrub tall (>2m)						Ice (I)
Coniferous						Anthropogenic (A)
Broadleaf						
Mixed Wood						
Notes Disturbed site Colluvium materials main veg type surrounding is Salix / B. glandulosa R. groenlandicum						
Ecosystem Type (ie Spruce - dogwood - horse tail) 101						

Landscape Attribute Capture

Surveyor(s) <i>MAP</i>					Date <i>Sept 13/11</i>										
Plot # <i>173</i>			Poly#		Mapsheet										
Project ID <i>Nansen Habitat</i>					Location										
Ecoregion/Bioclimate <i>Mod. Tall Shrub</i>					Parcel										
Elev(m) <i>1272</i>			Slope % <i>50</i>		Disturb										
Aspect ° <i>343</i>			Photo # <i>740-742</i>		TPI <i>MS/LS</i>										
CTI <i>2</i>			<i>BOH</i>		East			North							
EOSD					UTM <i>0387764 6886098</i>										
Snow/Ice		Rock				Tree Cover %		Terrain							
Water		Exposed				Lodgepole pine		Morainal (M)							
		Sparse (10-25%)		Open (25-60%)		Dense (>60%)		Wetland		Non-wetland		Black spruce		Colluvium (C)	
												White spruce		Fluvial (F)	
										Subalpine fir		Glaciofluvial (FG)			
										Aspen		Bedrock (R)			
										Balsam Poplar		Organic (O)			
Bryoids										White birch		Eolian (E)			
Herb										Willow		Lacustrine (L)			
Shrub low (<2m)								✓				Glaciolacustrine (LG)			
Shrub tall (>2m)												Ice (I)			
Coniferous												Anthropogenic (A)			
Broadleaf															
Mixed Wood															
Notes															
<p><i>Site is variable - different types (rock, bryoid)</i></p> <p><i>Lichens ~ >50%</i></p> <p><i>Rocky ~ <50%</i></p> <p><i>In general, the slope is dominated by shrub</i></p> <p><i>biglandulosa: 30cm ht. - dominant veg type.</i></p> <p><i>Caribou trails running perpendicular to slope</i></p>															
Ecosystem Type (ie Spruce - dogwood - horseail)															
<i>113</i>															

Landscape Attribute Capture

Surveyor(s) MP				Date Sept 13/11	
Plot # 175		Poly#		Mapsheet	
Project ID Nansen Habitat			Location		
Ecoregion/Bioclimate Med-Tall Shrub			Parcel		
Elev(m) 946		Slope % ✓		Disturb	
Aspect ° ✓		Photo # 289/290		TPI VF/L	
CTI 7		Jane's Camera BDL		East	
East		North			
EOSD			UTM		
			0392089		6875750
Snow/Ice		Rock		Tree Cover %	
Water		Exposed		Terrain	
				Lodgepole pine	
				Morainal (M)	
				Black spruce	
				Colluvium (C)	
				White spruce	
				Fluvial (F) ✓	
				Subalpine fir	
				Glaciofluvial (FG)	
				Aspen	
				Bedrock (R)	
				Balsam Poplar	
				Organic (O)	
Bryoids				White birch	
				Eolian (E)	
Herb				Willow	
				Lacustrine (L)	
Shrub low (<2m)				Glaciolacustrine (LG)	
Shrub tall (>2m)				Ice (I)	
Coniferous				Anthropogenic (A)	
Broadleaf					
Mixed Wood					
Notes					
<p>Site composed of grasses/willows within Nisling Wetland Area. Rabbit browse on willow - old.</p>					
Ecosystem Type (ie Spruce - dogwood - horseail)					
302					