APPENDIX A

APPENDIX A EBA'S GENERAL CONDITIONS



GEO-ENVIRONMENTAL REPORT - GENERAL CONDITIONS

This report incorporates and is subject to these "General Conditions".

1.0 USE OF REPORT AND OWNERSHIP

This report pertains to a specific site, a specific development, and a specific scope of work. It is not applicable to any other sites, nor should it be relied upon for types of development other than those to which it refers. Any variation from the site or proposed development would necessitate a supplementary investigation and assessment.

This report and the assessments and recommendations contained in it are intended for the sole use of EBA's client. EBA does not accept any responsibility for the accuracy of any of the data, the analysis or the recommendations contained or referenced in the report when the report is used or relied upon by any party other than EBA's Client unless otherwise authorized in writing by EBA. Any unauthorized use of the report is at the sole risk of the user.

This report is subject to copyright and shall not be reproduced either wholly or in part without the prior, written permission of EBA. Additional copies of the report, if required, may be obtained upon request.

2.0 ALTERNATE REPORT FORMAT

Where EBA submits both electronic file and hard copy versions of reports, drawings and other project-related documents and deliverables (collectively termed EBA's instruments of professional service), only the signed and/or sealed versions shall be considered final and legally binding. The original signed and/or sealed version archived by EBA shall be deemed to be the original for the Project.

Both electronic file and hard copy versions of EBA's instruments of professional service shall not, under any circumstances, no matter who owns or uses them, be altered by any party except EBA. The Client warrants that EBA's instruments of professional service will be used only and exactly as submitted by EBA.

Electronic files submitted by EBA have been prepared and submitted using specific software and hardware systems. EBA makes no representation about the compatibility of these files with the Client's current or future software and hardware systems.

3.0 NOTIFICATION OF AUTHORITIES

In certain instances, the discovery of hazardous substances or conditions and materials may require that regulatory agencies and other persons be informed and the client agrees that notification to such bodies or persons as required may be done by EBA in its reasonably exercised discretion.

4.0 INFORMATION PROVIDED TO EBA BY OTHERS

During the performance of the work and the preparation of the report, EBA may rely on information provided by persons other than the Client. While EBA endeavours to verify the accuracy of such information when instructed to do so by the Client, EBA accepts no responsibility for the accuracy or the reliability of such information which may affect the report.



APPENDIX B

APPENDIX B EXTENT OF MAPPED ECOSYSTEMS WITHIN THE LSA





Source	Generalized Ecosite	Map Unit	Drainage	Area Mapped (ha)
EBA (2010)	Riparian shrub	SW	imperfect-poor	2.3
	Rock	RO	very rapid	2.3
	Sparsely vegetated	RL	very rapid	39.6
	Upland forest	BF	moderate-well	24.4
	Upland forest	SP	moderate-well	43.0
	Upland forest	WA	well	45.7
	Water	LA		61.4
	Water	OW		1.8
	Water	PD		11.2
	Wetland forest	BG	imperfect-poor	71.4
	Wetland forest	BT	poor	18.3
	Wetland herb	WB	very poor	18.0
	Woodland forest	LW	rapid-well	40.1
EBA Total			-	379.6
Stantec	Anthropogenic	ES		3.0
	Anthropogenic	MI		4.9
	Anthropogenic	RW		1.2
	Anthropogenic	RZ		4.6
	Riparian shrub	SW	imperfect-poor	0.5
	Rock	RO	very rapid	4.5
	Sparsely vegetated	RL	very rapid	75.9
	Upland forest	BF	moderate-well	183.2
	Upland forest	JH	rapid-well	0.6
	Upland forest	PA	well	0.8
	Upland forest	SP	moderate-well	260.5
	Upland forest	WA	well	177.4
	Water	LA		197.6
	Water	OW		14.0
	Water	PD		142.3
	Wetland forest	BG	imperfect-poor	219.8
	Wetland forest	BT	poor	156.9
	Wetland forest	WH	imperfect-poor	1.1
	Wetland herb	SH	very poor	2.0
	Wetland herb	WB	very poor	12.6
	Woodland forest	LW	rapid-well	285.1
	Wetland shrub	LL	poor	13.9
	Wetland shrub	SS	very poor	38.8
Stantec Total			very poor	1,801.0
Grand Total				2,180.6



APPENDIX C

APPENDIX C ECOSYSTEMS ASSESSED DURING THE 2010 FIELD SURVEY



Generalized Ecosite	Map Unit ¹	Sites Assessed (Count)
Riparian shrub	SW-closest	1
Sparsely vegetated	RL	7
Upland forest	BF	3
	BF-closest	3
	PA-closest	1
	SP	8
	SP-closest	8
	WA-closest	6
	WA/RL	1
Upland forest Total		30
Water	LA	2
Wetland forest	BG	10
	BG/LW?	1
	BG-closest	6
	BT	7
	BT-closest	4
	WH	1
	treed fen	3
Wetland forest Total		32
Wetland herb	WB	1
	WB-closest	4
Wetland herb Total		5
Wetland shrub	LL	1
	LL-closest	1
	scrub-birch-cottongrass-Carex	1
	scrub-birch-Ledum-Carex	1
	wetter draw	1
	wetland	1
Wetland shrub Total		6
Woodland forest	LW	9
	LW-closest	3
Woodland forest Total		12
Grand Total		95

 1 In certain cases, map unit represents closest approximation to those developed by Stantec (2010a)



APPENDIX D

APPENDIX D WILDLIFE SPECIES OCCURRING OR POTENTIALLY OCCURRING WITHIN THE STUDY AREA



Common Nome	Cajantifia Nama	Conservation Status			
Common Name	Scientific Name	NWT	SARA	COSEWIC	
	Birds	S 1			
Canada Goose*	Branta canadensis	Secure	-	Not Assessed	
American Wigeon*	Anas americana	Secure	-	Not Assessed	
Mallard*	Anas platyrhynchos	Secure	-	Not Assessed	
Blue-winged Teal*	Anas discors	Secure	-	Not Assessed	
Northern Shoveler	Anas clypeata	Secure	-	Not Assessed	
Northern Pintail	Anas acuta	Sensitive	-	Not Assessed	
Green-winged Teal	Anas crecca	Secure	-	Not Assessed	
Canvasback	Aythya valisineria	Secure	_	Not Assessed	
Ring-necked Duck*	Aythya collaris	Secure	-	Not Assessed	
Greater Scaup**	Aythya marila	Secure	-	Not Assessed	
Lesser Scaup**	Aythya affinis	Sensitive	-	Not Assessed	
Surf Scoter*	Melanitta perspicillata	Sensitive	-	Not Assessed	
White-winged Scoter*	Melanitta fusca	Sensitive	-	Not Assessed	
Bufflehead*	Bucephala albeola	Secure	-	Not Assessed	
Common Goldeneye	Bucephala clangula	Secure	-	Not Assessed	
Common Merganser*	Mergus merganser	Secure	-	Not Assessed	
Red-breasted Merganser*	Mergus serrator	Secure	-	Not Assessed	
Ruffed Grouse	Bonasa umbellus	Secure	-	Not Assessed	
Spruce Grouse*	Falcipennis canadensis	Secure	-	Not Assessed	
Willow Ptarmigan	Lagopus lagopus	Secure	-	Not Assessed	
Rock Ptarmigan	Lagopus muta	Secure	-	Not Assessed	
Sharp-tailed Grouse	Tympanuchus phasianellus	Secure	-	Not Assessed	
Pacific Loon*	Gavia pacifica	Secure	-	Not Assessed	
Common Loon*	Gavia immer	Secure	-	Not At Risk	
Horned Grebe*	Podiceps auritus	Secure	No Status	Special Concer	
Red-necked Grebe*	Podiceps grisegena	Secure	-	Not At Risk	
Osprey*	Pandion haliaetus	Secure	-	Not Assessed	
Bald Eagle*	Haliaeetus leucocephalus	Secure	-	Not At Risk	
Northern Harrier	Circus cyaneus	Secure	-	Not At Risk	
Sharp-shinned Hawk	Accipiter striatus	Secure	-	Not At Risk	
Northern Goshawk	Accipiter gentilis	Secure	-	Not At Risk	
Red-tailed Hawk	Buteo jamaicensis	Secure	-	Not At Risk	
Golden Eagle	Aquila chrysaetos	Secure	-	Not At Risk	
American Kestrel	Falco sparverius	Secure	-	Not Assessed	
Merlin	Falco columbarius	Secure	-	Not At Risk	
Peregrine Falcon	Falco peregrinus anatum/tundrius	Sensitive	No Status	Special Concern	



ISSUED FOR USE

Common Nome	Caiantifia Nama		Conservation Status			
Common Name	Scientific Name	NWT	SARA	COSEWIC		
Sora	Porzana carolina	Secure	-	Not Assessed		
Sandhill Crane*	Grus canadensis	Secure	-	Not Assessed		
Semipalmated Plover	Charadrius semipalmatus	Secure	-	Not Assessed		
Lesser Yellowlegs*	Tringa flavipes	Sensitive	-	Not Assessed		
Solitary Sandpiper*	Tringa solitaria	Undetermined	-	Not Assessed		
Spotted Sandpiper*	Actitis macularius	Secure	-	Not Assessed		
Least Sandpiper	Calidris minutilla	Sensitive	-	Not Assessed		
Wilson's Snipe*	Gallinago delicata	Undetermined	-	Not Assessed		
Red-necked Phalarope	Phalaropus lobatus	Sensitive	-	Not Assessed		
Bonaparte's Gull	Larus philadelphia	Secure	-	Not Assessed		
Mew Gull	Larus canus	Secure	-	Not Assessed		
California Gull	Larus californicus	Secure	-	Not Assessed		
Herring Gull*	Larus argentatus	Secure	-	Not Assessed		
Arctic Tern	Sterna paradisaea	Secure	-	Not Assessed		
Great Horned Owl	Bubo virginianus	Secure	-	Not Assessed		
Northern Hawk Owl	Surnia ulula	Secure	-	Not At Risk		
Great Grey Owl	Strix nebulosa	Secure	-	Not At Risk		
Short-eared Owl	Asio flammeus	Sensitive	Special Concern (Schedule 3)	Special Concer		
Boreal Owl	Aegolius funereus	Secure	-	Not At Risk		
Common Nighthawk*	Chordeiles minor	At Risk	Threatened (Schedule 1)	Threatened		
Belted Kingfisher	Ceryle alcyon	Secure	-	Not Assessed		
Yellow-bellied Sapsucker*	Sphyrapicus varius	Secure	-	Not Assessed		
Downy Woodpecker	Picoides pubescens	Secure	-	Not Assessed		
Hairy Woodpecker*	Picoides villosus	Secure	-	Not Assessed		
American Three-toed Woodpecker*	Picoides dorsalis	Secure	-	Not Assessed		
Black-backed Woodpecker	Picoides arcticus	Secure	-	Not Assessed		
Northern Flicker*	Colaptes auratus	Secure	-	Not Assessed		
Olive-sided Flycatcher*	Contopus cooperi	At Risk	Threatened (Schedule 1)	Threatened		
Alder Flycatcher*	Empidonax alnorum	Secure	-	Not Assessed		
Least Flycatcher*	Empidonax minimus	Secure	-	Not Assessed		
Eastern Phoebe*	Sayornis phoebe	Secure	-	Not Assessed		
Northern Shrike	Lanius excubitor	Secure	-	Not Assessed		
Warbling Vireo	Vireo gilvus	Secure	-	Not Assessed		
Red-eyed Vireo	Vireo olivaceus	Secure	-	Not Assessed		
Gray Jay*	Perisoreus canadensis	Secure	-	Not Assessed		
Common Raven*	Corvus corax	Secure	-	Not Assessed		



ISSUED FOR USE

Common Nama	Caiantifia Nama	Conservation Status			
Common Name	Scientific Name	NWT	SARA	COSEWIC	
Horned Lark	Eremophila alpestris	Secure	-	Not Assessed	
Tree Swallow*	Tachycineta bicolor	Secure	-	Not Assessed	
Bank Swallow	Riparia riparia	Secure	-	Not Assessed	
Cliff Swallow	Petrochelidon (Hirundo) phyrrhonota	Secure	-	Not Assessed	
Boreal Chickadee*	Poecile hudsonica	Sensitive	-	Not Assessed	
Ruby-crowned Kinglet*	Regulus calendula	Secure	-	Not Assessed	
Gray-cheeked Thrush	Catharus minimus	Secure	-	Not Assessed	
Swainson's Thrush*	Catharus ustulatus	Secure	-	Not Assessed	
Hermit Thrush	Catharus guttatus	Secure	-	Not Assessed	
American Robin*	Turdus migratorius	Secure	-	Not Assessed	
Bohemian Waxwing*	Bombycilla garrulus	Secure	-	Not Assessed	
Tennessee Warbler	Vermivora peregrina	Secure	-	Not Assessed	
Orange-crowned Warbler*	Vermivora celata	Secure	-	Not Assessed	
Yellow Warbler*	Dendroica petechia	Secure	-	Not Assessed	
Cape May Warbler*	Dendroica tigrina	Secure	-	Not Assessed	
Yellow-rumped Warbler*	Dendroica coronata	Secure	-	Not Assessed	
Palm Warbler*	Dendroica palmarum	Secure	-	Not Assessed	
Blackpoll Warbler*	Dendroica striata	Sensitive	-	Not Assessed	
Black-and-white Warbler	Mniotilta varia	Secure	-	Not Assessed	
Northern Waterthrush*	Seiurus noveboracensis	Secure	-	Not Assessed	
Common Yellowthroat*	Geothlypis trichas	Secure	-	Not Assessed	
Wilson's Warbler	Wilsonia pusilla	Secure	-	Not Assessed	
American Tree Sparrow	Spizella arborea	Sensitive	-	Not Assessed	
Chipping Sparrow*	Spizella passerina	Secure	-	Not Assessed	
Clay-colored Sparrow	Spizella pallida	Undetermined	-	Not Assessed	
Savannah Sparrow	Passerculus sandwichensis	Secure	-	Not Assessed	
Fox Sparrow	Passerella ilia	Secure	-	Not Assessed	
Lincoln's Sparrow*	Melospiza lincolnii	Secure	-	Not Assessed	
Swamp Sparrow*	Melospiza georgiana	Secure	-	Not Assessed	
White-throated Sparrow*	Zonotrichia albicollis	Sensitive	-	Not Assessed	
White-crowned Sparrow*	Zonotrichia leucophrys	Secure	-	Not Assessed	
Dark-eyed Junco*	Junco hyemalis	Secure	-	Not Assessed	
Red-winged Blackbird	Agelaius phoeniceus	Secure	-	Not Assessed	
Rusty Blackbird*	Euphagus carolinus	May Be At Risk	Special Concern (Schedule 1)	Special Concern	
Pine Grosbeak*	Pinicola enucleator	Secure	-	Not Assessed	
White-winged Crossbill	Loxia leucoptera	Secure	-	Not Assessed	
Common Redpoll*	Carduelis flammea	Secure	-	Not Assessed	
Hoary Redpoll	Carduelis hornemanni	Undetermined	-	Not Assessed	



ISSUED FOR USE

Common Nome	Caiantifia Nama	Conservation Status			
Common Name	Scientific Name	NWT	SARA	COSEWIC	
Pine Siskin*	Carduelis pinus	Secure	-	Not Assessed	
	Amphib	ians	·		
Wood Frog	Lithobates sylvatica	Secure	-	Not Assessed	
	Mamma	als ²			
Moose	Alces americanus	Secure	-	Not Assessed	
Barren-ground Caribou	Rangifer tarandus groenlandicus	Sensitive	-	Not Assessed	
Gray Wolf	Canis lupus	Secure	-	Not At Risk	
Red Fox	Vulpes vulpes	Secure	-	Not Assessed	
Arctic Fox	Vulpes lagopus	Secure	-	Not Assessed	
Canada Lynx	Lynx canadensis	Secure	-	Not At Risk	
Wolverine	Gulo gulo	Sensitive	Special Concern	No Status	
North American River Otter	Lontra canadensis	Secure	-	Not Assessed	
American Marten	Martes americana	Secure	-	Not Assessed	
Ermine	Mustela erminea	Secure	-	Not Assessed	
Least Weasel	Mustela nivalis	Secure	-	Not Assessed	
American Mink	Neovison vison	Secure	-	Not Assessed	
American Black Bear	Ursus americanus	Secure	-	Not At Risk	
Snowshoe Hare	Lepus americanus	Secure	-	Not Assessed	
Arctic Hare	Lepus arcticus	Secure	-	Not Assessed	
Beaver	Castor canadensis	Secure	-	Not Assessed	
Cinereus Shrew	Sorex cinereus	Secure	-	Not Assessed	
American Water Shrew	Sorex palustris	Secure	-	Not Assessed	
Arctic Shrew	Sorex arcticus	Secure	-	Not Assessed	
American Pigmy Shrew	Sorex hoyi	Secure	-	Not Assessed	
Red Squirrel	Tamiasciurus hudsonicus	Secure	-	Not Assessed	
North American Deer Mouse	Peromyscus maniculatus	Secure	-	Not Assessed	
Southern Red-backed Vole	Myodes gapperi	Secure	-	Not Assessed	
Northern Bog Lemming	Synaptomys borealis	Secure	-	Not Assessed	
Eastern Heather Vole	Phenacomys ungava	Secure	-	Not Assessed	
Common Muskrat	Ondatra zibethicus	Secure	-	Not Assessed	
Meadow Vole	Microtus pennsylvanicus	Secure	-	Not Assessed	
Taiga Vole	Microtus xanthognathus	Secure	-	Not Assessed	
North American Porcupine	Erethizon dorsata	Secure	-	Not Assessed	

(Cornell Lab of Ornithology and the American Ornithologists' Union 2010; COSEWIC 2010; ENR 2010; Government of Canada 2010; Sibley 2003; Banfield 1977)



^{1.} Bird species list does not include those that may flyover or briefly stop within the study area during spring and fall migrations.

* indicates species documented within the study area during the 2010 field events (June 8-13 and July 19-23, 2010.

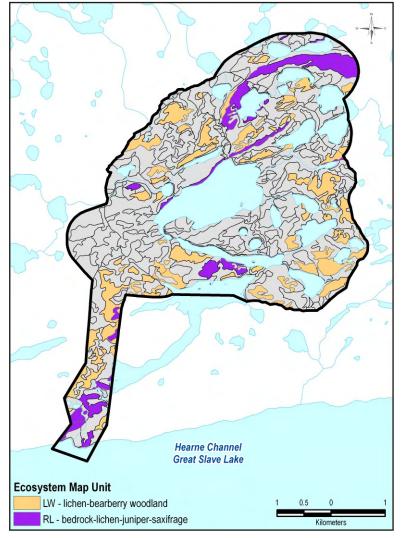
** Lesser and Greater Scaup not distinguished in the field due to similar appearance, particularly when visual observation is restricted.

APPENDIX E

APPENDIX E WILDLIFE HABITAT ASSESSMENT



- · Bedrock-Lichen-Juniper-Saxifrage(RL)
- · Lichen-Bearberry-Woodland (LW)





Representative Bedrock-Lichen habitat.



Evidence of porcupine feeding on jackpine was commonly observed in this habitat type.

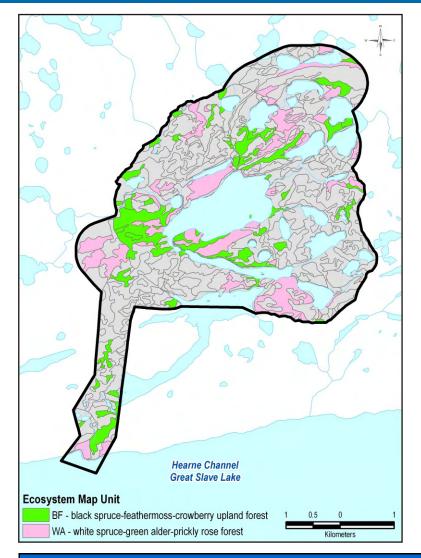
Bedrock - Lichen	Wildlife Habitat A	Assessment				
Habitat Description	This broad habitat type includes the following ecosites within the local study area: Lichen-bearberry woodland (LW) and Bedrock-lichen-juniper-saxifrage (RL) and is located on a crest or upper slope position. Soils are shallow with greater than 30% exposed rock or crust lichens and less than 30% tree cover. Vegetation dominated by coniferous and deciduous trees, juniper, Canada buffaloberry, common bearberry, crust and reindeer lichens. (Stantec 2009).					
Species Sign*	Moose, caribou, black	bear, red fox, porcupi	ne, snowshoe hare, red	squirrel, and ptarmigan sp	pecies	
		Life Requisite Ranking**				
Species	Season of Use	Food Habitat	Security Habitat	Over-Wintering Habitat	Overall Habitat Ranking	
	Spring	L	N	-	L	
Moose	Summer	L	L	-	L	
Moose	Fall	L	N	-	L	
	Winter	L	N	L	L	
Caribou	Winter	Н	N	Н	M	
Olive-sided Flycatcher	Non-winter	Н	Н	-	Н	
Rusty Blackbird	Non-winter	N	N	-	N	
Common Nighthawk	Non-winter	Н	Н	-	Н	

- * Wildlife sign documented during the June and July 2010 survey events. Evidence of sign in habitat types were not considered during the ranking of broad habitat types. ** H = High; M = Moderate; L = Low; and N = Nil.
- = Not applicable





- Black Spruce-Feathermoss-Crowberry-Upland Forest (BF)
- · White Spruce-Green Alder-Prickly Rose-Upland Forest (WA)





Representative White Spruce-Green Alder-Prickly Rose-Upland Forest habitat.



Tree cavity likely excavated by a Northern Flicker for possible nesting.

Spruce Upland Wildlife Habitat Assessment

This broad habitat type includes the following ecosites within the local study area: Black Spruce-Feathermoss-Crowberry-Upland Forest (BF) and White Spruce-Green Alder-Prickly Rose-Upland Forest (WA). These sites are located on lower slope to crest positions, and are characterized by shallow soils, poor to medium soil nutrient regimes, and well to moderately well drainage. Typical vegetation species include black and white spruce, green alder, Labrador tea, low bush cranberry, dwarf scouring rush, lichens, and feathermoss. (Stantec 2009).

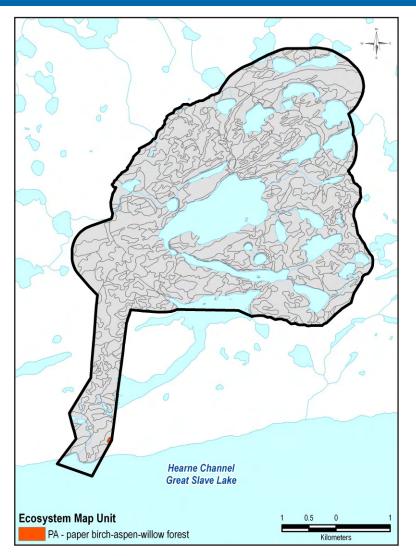
Species Sign* Black bear, moose, wolf, spruce grouse, red squirrel, and snowshoe hare

Species	Season of Use	Food Habitat	Security Habitat	Over-Wintering Habitat	Overall Habitat Ranking
	Spring	L	L	-	L
Moose	Summer	L	L	-	L
Moose	Fall	L	L	-	L
	Winter	L	L	L	L
Caribou	Winter	L	N	L	L
Olive-sided Flycatcher	Non-winter	L	L	-	L
Rusty Blackbird	Non-winter	N	N	-	N
Common Nighthawk	Non-winter	L	N	-	L

- * Wildlife sign documented during the June and July 2010 survey events. Evidence of sign in habitat types were not considered during the ranking of broad habitat types.
- ** H = High; M = Moderate; L = Low; and N = Nil.
- = Not applicable









No photo available.



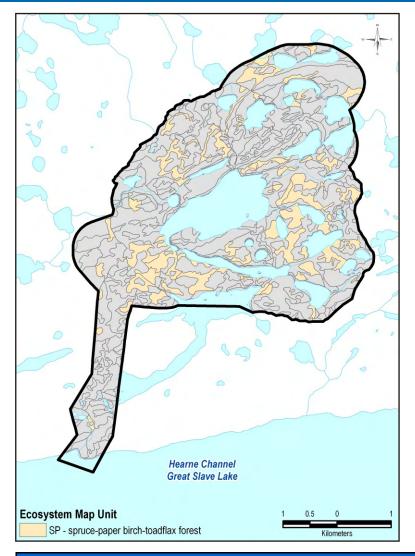
No photo available.

Broadleaf Upland Wildlife Habitat Assessment						
	This broad habitat type	e includes the Paper B	Sirch-Aspen-Willow-Fo	rest (PA) ecosite. This eco	site occurs as a single	
	small polygon inside th	e local study area. It	is found on mid to upp	per slope positions with we	ell drained shallow soils.	
Habitat Description						
·	juniper, and black curre	ent present within the	understory. The forb a	and ground cover species n	not documented. (Stantec	
	2009).	1	•	1	`	
Species Sign*	Not surveyed due to it	s restricted distributio	n and access within the	e local study area		
		Life Requisite Ranking**				
Species	Season of Use	Food Habitat	Security Habitat	Over-Wintering Habitat	Overall Habitat Ranking	
	Spring	Н	L	-	M	
Moose	Summer	Н	L	-	M	
Moose	Fall	Н	L	-	M	
	Winter H L H M					
Caribou	Winter	N	N	N	N	
Olive-sided Flycatcher	Non-winter	N	N	-	N	
Rusty Blackbird	Non-winter	N	N	-	N	
Common Nighthawk	Non-winter	N	N	-	N	

- * Wildlife sign documented during the June and July 2010 survey events. Evidence of sign in habitat types were not considered during the ranking of broad habitat types. ** H = High; M = Moderate; L = Low; and N = Nil.
- = Not applicable









Representative Mixed Upland habitat.



Evidence of Yellow-bellied Sapsucker feeding on paper birch was common in this habitat type.

Mixed Upland Wildlife Habitat Assessment

Habitat Description

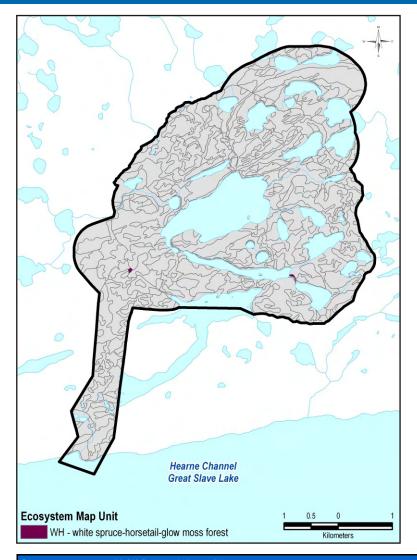
This broad habitat type includes the Spruce-Paper Birch-Toadflax-Forest (SP) ecosite, which is typically found on mid to lower slopes and have moderately well drained shallow soils. White and black spruce and paper birch trees are present. The understory layer consists of green alder, Labrador tea, northern bastard toadflax, alpine bearberry, mosses, and reindeer lichens. (Stantec 2009).

Species Sign* Black bear, moose, spruce grouse, red squirrel, porcupine, and snowshoe hare Life Requisite Ranking** Season of Use **Species** Overall Habitat Ranking **Food Habitat Security Habitat Over-Wintering Habitat** Spring Summer Μ N L Moose Fall L N L Winter L N L Caribou Winter N N N Olive-sided Flycatcher Non-winter N N N Rusty Blackbird N N N Non-winter Common Nighthawk Non-winter

- * Wildlife sign documented during the June and July 2010 survey events. Evidence of sign in habitat types were not considered during the ranking of broad habitat types.
- ** H = High; M = Moderate; L = Low; and N = Nil.
- = Not applicable









Representative Spruce Wet habitat.



The abundance of common horsetail in this habitat type provides good food resources for moose and black bears in the spring.

Spruce Wet Wildlife Habitat Assessment

Habitat Description

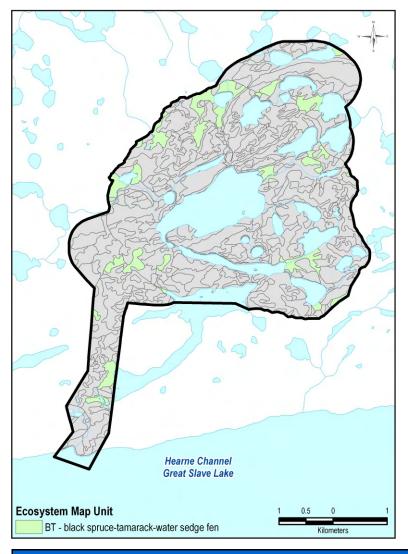
This broad habitat type includes White Spruce-Horsetail-Glow Moss-Forest (WH) ecosite. It is described as having imperfect to poorly drained soils with medium to rich nutrient regimes. The slope position is typically depressional or level. White spruce is the dominant tree, but small amounts of black spruce and paper birch may be present. The shrub layer is poorly developed, and includes Labrador tea. A high cover of common horsetail, sedges, stair-step moss and glow moss is also present. (Stantec 2009).

Moose and microtine species Species Sign* Life Requisite Ranking** **Species** Season of Use **Overall Habitat Ranking Food Habitat Security Habitat** Over-Wintering Habitat Spring Summer Moose Fall Ν N Winter N N N Ν Caribou Winter L N L L Olive-sided Flycatcher Non-winter L L L Rusty Blackbird Ν Non-winter N N Common Nighthawk Non-winter L

- * Wildlife sign documented during the June and July 2010 survey events. Evidence of sign in habitat types were not considered during the ranking of broad habitat types.
- ** H = High; M = Moderate; L = Low; and N = Nil.
- = Not applicable









Representative Treed Fen habitat.



Red squirrel sign, such as this midden was commonly observed in many of the spruce tree dominated habitats.

Treed Fen Wildlife Habitat Assessment

Habitat Description

This broad habitat type includes the Black Spruce-Tamarack-Water Sedge-Fen (BT) ecosite. It is typically located on level, depressional, lower, or toe slope positions, commonly adjacent to water bodies or riparian areas. Poorly drained soils with nutrient regime ranging from poor to medium. Stunted black spruce and tamarack are the dominant tree species. The understory vegetation commonly includes willow, Labrador tea, scrub birch, sedge, common horsetail, and glow moss. (Stantec 2009).

Species Sign* Black bear, moose, red fox, and red squirrel

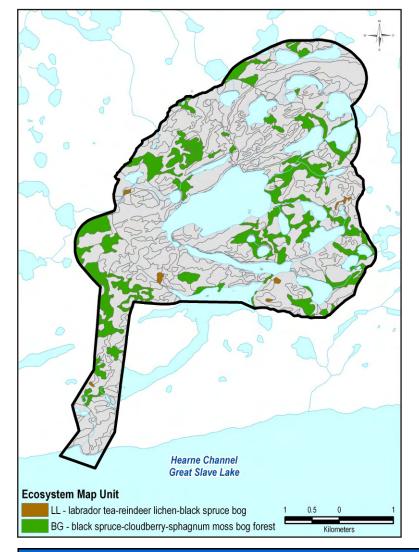
Opedica digit	Black Bear, 11000c, feet fox, and feet bearier				
Species	Season of Use		Overall Habitat Ranking		
Species	Season or use	Food Habitat	Security Habitat	Over-Wintering Habitat	Overall Habitat Kalikiliy
	Spring	L	L	-	L
Moose	Summer	L	L	-	L
Woose	Fall	L	L	-	L
	Winter	L	L	L	L
Caribou	Winter	N	N	N	N
Olive-sided Flycatcher	Non-winter	L	L	-	L
Rusty Blackbird	Non-winter	Н	Н	-	Н
Common Nighthawk	Non-winter	M	N	-	M

- * Wildlife sign documented during the June and July 2010 survey events. Evidence of sign in habitat types were not considered during the ranking of broad habitat types.
- ** H = High; M = Moderate; L = Low; and N = Nil.
- = Not applicable





- · Labrador Tea-Black Spruce-Bog (LL)
- * Black Spruce-Cloudberry-Sphagnum Moss-Bog-Forest (BG)





Representative Labrador Tea-Black Spruce-Bog habitat.



Arboreal lichen found in the Black Spruce-Cloudberry-Sphagnum Moss-Bog-Forest provides winter forage for barren-ground caribou, particularly when terrestrial lichens are inaccessible after unseasonable thaw or freezing rain.

Shrub Wet Wildlife	e Habitat Assessm	ent				
	This broad habitat type includes the Labrador Tea-Black Spruce-Bog (LL) and the Black Spruce-Cloudberry-Sphagnum					
Habitat Danadatian	Moss-Bog-Forest (BG) ecosites. It is charac	cterized by poorly drain	ed, nutrient poor soils loca	ted on lower slopes or	
Habitat Description	depressions. This is as	n open community wi	th sparse and stunted b	lack spruce, Labrador tea,	scrub birch, water sedge,	
	cloudberry, sphagnum	moss, and reindeer lie	chen. (Stantec 2009).			
Species Sign*	Black bear, moose, gro	ouse species, and snow	vshoe hare			
Species	Season of Use	Life Requisite Ranking**			Overall Habitat Ranking	
Species	Season or use	Food Habitat	Security Habitat	Over-Wintering Habitat	Overali Habitat Kalikilit	
	Spring	N	N	-	N	
Moose	Summer	N	N	-	N	
Woose	Fall	N	N	-	N	
	Winter	N	N	N	N	
Caribou	Winter	Н	L	Н	M	
Olive-sided Flycatcher	Non-winter	Н	Н	-	Н	
Rusty Blackbird	Non-winter	N	N	-	N	
Common Nighthawk	Non-winter	Н	N	-	M	

- * Wildlife sign documented during the June and July 2010 survey events. Evidence of sign in habitat types were not considered during the ranking of broad habitat types.
- ** H = High; M = Moderate; L = Low; and N = Nil.
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