

APPENDIX A**INCIDENTAL SPECIES OBSERVED DURING AERIAL CARIBOU SURVEYS,
FERGUSON LAKE, NU, 2001**

Miscellaneous wildlife observations list in order of frequency during all aerial caribou surveys at Ferguson Lake, NU, 2001.

Species	July	August	<i>Totals</i>
Canada Goose	252	77	329
Greater white-fronted Goose	0	167	167
Muskox	79	5	84
Sandhill Crane	10	38	48
Herring Gull	2	27	29
Tundra Swan	7	4	11
Wolf	5	0	5
Long-tailed Jaeger	0	1	1
Rough-legged Hawk	0	1	1
Golden Eagle	1	0	1
Willow Ptarmigan	1	0	1

APPENDIX B**TERRESTRIAL WILDLIFE SPECIES DOCUMENTED AS OCCURRING IN THE
WILDLIFE STUDY AREA, FERGUSON LAKE, NU, 2001**

Number of terrestrial species documented during the 2001 field program at Ferguson Lake, NU, 2001.

Mammalian Species	No. of Species	Avifuna Species	No. of Species
Arctic Fox	1	American Pipit	1
Arctic Ground Squirrel	1	Arctic Tern	1
Arctic Hare	1	Brant	1
Barren-ground Caribou	1	American Tree Sparrow	1
Grizzly Bear	1	Blackpoll Warbler	1
Muskox	1	Canada Goose	1
Wolf	1	Common Merganser	1
		Common Snipe	1
		Gray-cheeked Thrush	1
		Glaucous Gull	1
		Golden Eagle	1
		Greater White-fronted Goose	1
		Green-winged Teal	1
		Harris Sparrow	1
		Herring Gull	1
		Horned Lark	1
		Hoary Redpoll	1
		Lapland Longspur	1
		Least Sandpiper	1
		Lesser Scaup	1
		Long-tailed Duck	1
		Long-tailed Jaeger	1
		Northern Pintail	1

Peregrine Falcon	1
Redbreasted Merganser	1
Rough-legged Hawk	1
Sandhill Crane	1
Savannah Sparrow	1
Tundra Swan	1
White-crowned Sparrow	1
Willow Ptarmigan	1
Yellow Warbler	1

<i>Total Species</i>	<i>7</i>	<i>Total Species</i>	<i>32</i>
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APPENDIX C**ECOLOGICAL MOISTURE REGIME CLASSES**
(AFTER WALMSLEY ET AL. 1980)

MOISTURE REGIME	DESCRIPTIONS	PRIMARY WATER SOURCE	SLOPE POSITION
0 Very Xeric	Water removed extremely rapidly in relation to supply; soil is moist for a negligible time after precipitation	Precipitation	Ridge crests shedding
1 Xeric	Water removed very rapidly in relation to supply; soil is moist for brief periods following precipitation	Precipitation	Ridge crests shedding
2 Subxeric	Water removed rapidly in relation to supply; soil is moist for short periods following precipitation	Precipitation	Ridge crests shedding or Upper slopes shedding
3 Submesic	Water removed readily in relation to supply; water available for moderately short periods following precipitation	Precipitation	Upper slopes shedding
4 Mesic	Water removed somewhat slowly in relation to supply; soil may remain moist for a significant, but sometimes short period or the year; available soil moisture reflects climatic inputs	Precipitation in moderately to fine-textured soils & limited seepage in coarse textured soils	Mid-slope normal rolling to flat
5 Subhygric	Water removed slowly enough to keep the soil wet for a significant part of the growing season; some temporary seepage and possibly mottling below 20 cm	Precipitation and seepage	Mid-slope normal rolling to flat or Lower slopes receiving
6 Hygric	Water removed slowly enough to keep the soil wet for most of the growing season; permanent seepage and mottling present; possibly weak gleying	Seepage	Lower slopes receiving
7 Subhydic	Water removed slowly enough to keep the water table at or near the surface for most of the year; gleyed mineral or organic soils; permanent seepage less than 30 cm below the surface	Seepage or Permanent water table	Lower slopes receiving or Depressions receiving
8 Hydric	Water removed so slowly that the water table is at or above the soil surface all year; gleyed mineral or organic soils	Permanent water table	Depressions receiving

APPENDIX D**SPECIES LIST FOR PLANTS KNOWN TO OCCUR IN THE AREA OF FERGUSON
LAKE, NU**

Family, Genus and Species	Common Name	Family, Genus and Species	Common Name
Polypodiaceae		<i>Eriophorum vaginatum</i>	"
<i>Cystopteris fragilis</i>	Fragile Fern	<i>Eriophorum russeolum</i>	"
<i>Dryopteris fragrans</i>	Fragrant Shield Fern	<i>Eriophorum Scheuchzeri</i>	"
<i>Woodsia ilvensis</i>	Rusty Woodsia	<i>Scirpus caespitosus</i>	Bulrush
Equisetaceae		Juncaceae	
<i>Equisetum arvense</i>	Common Horsetail	<i>Juncus albescens</i>	Bog-Rush
Lycopodiaceae		<i>Juncus biglumis</i>	"
<i>Lycopodium annotinum</i>	Bristly Club-Moss	<i>Juncus castaneus</i>	"
<i>Lycopodium Selago</i>	Mountain Club-Moss	<i>Luzula albescens</i>	Wood Rush
Gramineae		<i>Luzula arctica</i>	"
<i>Agrostis mertensii</i>	No Common Name	<i>Luzula confusa</i>	"
<i>Arctogrostis latifolia</i>	"	<i>Luzula nivalis</i>	"
<i>Arctophila fulva</i>	"	<i>Luzula Whalenbergii</i>	"
<i>Calamagrostis canadensis</i>	"	Liliaceae	
<i>Calamagrostis deschampsoides</i>	"	<i>Tofieldia coccinea</i>	False Asphodel
<i>Calamagrostis stricta</i>	"	<i>Tofieldia pusilla</i>	"
<i>Festuca brachyphylla</i>	"	Orchidaceae	
<i>Hierochloa alpina</i>	Holy Grass	<i>Habenaria obtusata</i>	Northern Bog-Orchid
<i>Poa alpina</i>	No Common Name	Salicaceae	
<i>Poa arctica</i>	"	<i>Salix arbusculoides</i>	Willow
<i>Poa glauca</i>	"	<i>Salix arctica</i>	"
<i>Trisetum spicatum</i>	"	<i>Salix arctophila</i>	"
Cyperaceae		<i>Salix glauca</i>	Blue-green Willow
<i>Carex aquatilis</i>	Sedge	<i>Salix herbacea</i>	Least Willow
<i>Carex bigelowii</i>	"	<i>Salix lutea</i>	Willow
<i>Carex capillaris</i>	"	<i>Salix pedicularis</i>	"
<i>Carex capitata</i>	"	<i>Salix planifolia</i>	"
<i>Carex chordorhiza</i>	"	Myricaceae	
<i>Carex glacialis</i>	"	<i>Myrica Gale</i>	Sweet Gale
<i>Carex gynocrates</i>	"	Betulaceae	
<i>Carex membranacea</i>	"	<i>Alnus crispa</i>	Green Alder
<i>Carex obtusata</i>	"	<i>Betula glandulosa</i>	Dwarf Birch
<i>Carex physocarpa</i>	"	Polygonaceae	
<i>Carex rariflora</i>	"	<i>Oxyria digyna</i>	Mountain Sorrel
<i>Carex rotundata</i>	"	<i>Polygonum viviparum</i>	Bistort
<i>Carex saxatilis</i>	"	Caryophyllaceae	
<i>Carex supina</i>	"	<i>Cerastium alpinum</i>	Mouse-ear Chickweed
<i>Carex vaginata</i>	"	<i>Melandrium affine</i>	Bladder-Compion
<i>Carex Williamsii</i>	"	<i>Minuartia rossii</i>	Sandwort
<i>Eleocharis acicularis</i>	Spike-Rush	<i>Minuartia rubella</i>	"
<i>Eriophorum angustifolium</i>	Cotton-Grass	<i>Sagina caespitosa</i>	Pearlwort
<i>Eriophorum triste</i>	"	<i>Silene acaulis</i>	Campion
<i>Eriophorum</i>	"		
<i>brachyantherum</i>	"		
<i>Eriophorum callitrix</i>	"		

<i>Stellaria longipes</i>	Chickweed	Onagraceae	
<i>Stellaria monantha</i>	"	<i>Epilobium angustifolium</i>	Fireweed
		<i>Epilobium davuricum</i>	No Common Name
Ranunculaceae		Pyrolaceae	
<i>Anemone richardsonii</i>	Anemone	<i>Pyrola grandiflora</i>	Large-flowered
<i>Ranunculus aquatilis</i>	Buttercup		Wintergreen
<i>Ranunculus lapponicus</i>	"	<i>Pyrola secunda</i>	One-sided Wintergreen
<i>Ranunculus pygmaeus</i>	"		
Cruciferae		Ericaceae	
<i>Arabis arenicola</i>	No Common Name	<i>Andromeda polifolia</i>	Andromeda
<i>Cardamine digitata</i>	Bitter Cress	<i>Arctostaphylos alpina</i>	Alpine Bear Berry
<i>Cardamine bellidifolia</i>	"	<i>Arctostaphylos rubra</i>	Bear Berry
<i>Draba cinerea</i>	No Common Name	<i>Cassiope tetragona</i>	White Heather
<i>Draba glabella</i>	"	<i>Kalmia polifolia</i>	Bog-Laurel
<i>Draba nivalis</i>	"	<i>Ledum decumbens</i>	Labrador-Tea
		<i>Ledum groenlandicum</i>	"
Saxifragaceae		<i>Loiseleuria procumbens</i>	Alpine Azalea
<i>Parnassia Kotzebuei</i>	Grass-of-Parnassus	<i>Phyllodoce coerulea</i>	Mountain Heather
<i>Saxifraga cernua</i>	Nodding Saxifrage	<i>Rhododendron</i>	Rhododendron
<i>Saxifraga nivalis</i>	Alpine Saxifrage	<i>lapponicum</i>	
<i>Saxifraga rivularis</i>	Purple Saxifrage	<i>Vaccinium uliginosum</i>	Bilberry
<i>Saxifraga tricuspidata</i>	Prickly Saxifrage	<i>Vaccinium Vitis-idaea</i>	Mountain Cranberry
		Diapensiaceae	
Rosaceae		<i>Diapensia lapponica</i>	No Common Name
<i>Dryas integrifolia</i>	Mountain Avens		
<i>Potentilla hyparctica</i>	No Common Name	Scrophulariaceae	
<i>Potentilla nivea</i>	No Common Name	<i>Pedicularis flammea</i>	Lousewort
<i>Potentilla palustris</i>	No Common Name	<i>Pedicularis labrodorica</i>	Labrador Lousewort
<i>Potentilla tridentata</i>	No Common Name	<i>Pedicularis lanata</i>	Wooly Lousewort
<i>Rosa chamaemorus</i>	"	<i>Pedicularis lapponica</i>	Lapland Lousewort
<i>Rubus arcticus</i>	Raspberry	<i>Pedicularis sudetica</i>	Lousewort
		Rubiaceae	
Brassicaceae		<i>Galium trifidum</i>	Bedstraw
<i>Astragalus alpinus</i>	Alpine Milk-Vetch		
<i>Oxytropis arctica</i>	No Common Name	Compositae	
<i>Oxytropis arctobia</i>	"	(Asteraceae)	
<i>Oxytropis bellii</i>	"	<i>Antennaria angustata</i>	Everlasting
<i>Oxytropis campestris</i>	"	<i>Antennaria canescens</i>	"
<i>Oxytropis maydelliana</i>	"	<i>Antennaria isolepis</i>	"
		<i>Antennaria nitida</i>	"
Empetraceae		<i>Arnica alpina</i>	No Common Name
<i>Empetrum nigrum</i>	Crowberry	<i>Artemisia borealis</i>	Wormwood
		<i>Erigeron humilis</i>	"
Violaceae		<i>Petasites sagittatus</i>	"
<i>Viola pallens</i>	Violet	<i>Taraxacum lapponicum</i>	Dandelion
		<i>Taraxacum laecerum</i>	"

¹ This list is based on plants which have been collected within the Ferguson Lake wildlife study area, NU, 2001.