

Table S1. List of avian species observed along transects. Transects were located on the Coxe Islands, Igoolik Island, and the northern tip of the Melville Peninsula, Nunavut, and surveyed from 12 July – 30 August, 2010 – 2012.

Avian Guild	Common	Scientific
Songbirds	snow bunting	<i>Plectrophenax nivalis</i>
	horned lark	<i>Eremophila alpestris</i>
	Lapland longspur	<i>Calcarius lapponicus</i>
Shorebirds	American pipet	<i>Anthus rubescens</i>
	dunlin	<i>Calidris alpina</i>
	red phalarope	<i>Phalaropus fulicarius</i>
	red-necked phalarope	<i>Phalaropus lobatus</i>
	American golden plover	<i>Pluvialis dominica</i>
	black-bellied plover	<i>Pluvialis squatarola</i>
	semipalmated plover	<i>Charadrius semipalmatus</i>
	Baird's sandpiper	<i>Calidris bairdii</i>
	buff-breasted sandpiper	<i>Tryngites subruficollis</i>
	purple sandpiper	<i>Calidris maritima</i>
	stilt sandpiper	<i>Calidris himantopus</i>
Geese	white-rumped sandpiper	<i>Calidris fuscicollis</i>
	brant	<i>Branta bernicla</i>
	snow goose	<i>Chen caerulescens</i>
	Canada goose	<i>Branta canadensis</i>
Gulls	tundra swan	<i>Cygnus columbianus</i>
	glaucous gull	<i>Larus hyperboreus</i>
	herring gull	<i>Larus argentatus</i>
	Sabine's gull	<i>Xema sabini</i>
	Thayer's gull	<i>Larus thayeri</i>
	parasitic jaeger	<i>Stercorarius parasiticus</i>
	long-tailed jaeger	<i>Stercorarius longicaudus</i>
Loons	Arctic tern	<i>Sterna paradisaea</i>
	common loon	<i>Gavia immer</i>
	Pacific loon	<i>Gavia pacifica</i>
	red-throated loon	<i>Gavia stellata</i>
Other	yellow-billed loon	<i>Gavia adamsii</i>
	sandhill crane	<i>Grus canadensis</i>
	long-tailed duck	<i>Clangula hyemalis</i>
	common eider	<i>Somateria mollissima</i>
	king eider	<i>Somateria spectabilis</i>
	gyrfalcon	<i>Falco rusticolus</i>
	peregrine falcon	<i>Falco peregrinus</i>
	black guillemot	<i>Cepphus grylle</i>
	rough-legged hawk	<i>Buteo lagopus</i>
snowy owl	<i>Bubo scandiacus</i>	
rock ptarmigan	<i>Lagopus muta</i>	
	common raven	<i>Corvus corax</i>