



United States Department of the Interior

NATIONAL PARK SERVICE

Gates of the Arctic National Park and Preserve

P.O. Box 74680

Fairbanks, Alaska 99707

IN REPLY REFER TO:

March 28, 1994

MEMORANDUM

To: Files

From: Wildlife Biologist

Subject: Off-road point counts for 1993.

Attached are the results from off-road point counts at Anaktuvuk Pass, Pingo Lake, and along the Middle Fork Koyukuk. Three tables exist for each survey--1 for species and abundances found during the count, 1 for species and abundances found during the trip to conduct the point count, and 1 for the vegetation classification for each survey site on the point count transect. Vegetation classification follows Viereck et al 1992 and Kessel 1979.

Data from these surveys have been sent to Colleen Handel, USNBS, as part of a pilot program to study neotropical landbirds in Alaska by the Alaska Boreal Partners in Flight group. A report detailing all information collected through this effort should be forthcoming.

Sue Swanson

Table 1. Bird species and abundances observed during an off-road point count bird survey near Anaktuvuk Pass, Gates of the Arctic National Park and Preserve, Brooks Range, Alaska, 14-16 June 1993. Abundance reflects the number of birds observed during the survey and is coded as follows: 1 = 1-5 birds, 2 = 6-10 birds, 3 = >10 birds.

Common Name	Abundance
Old Squaw	1
Greater Scaup	3
Northern Pintail	1
Lesser Golden Plover	1
Lesser Yellowlegs	1
Solitary Sandpiper	1
American Robin	2
Northern Wheatear	1
Common Redpoll	3
American Tree Sparrow	3
Savannah Sparrow	3
White-crowned Sparrow	3
Lapland Longspur	3
Smith's Longspur	1

Table 2. Bird species and abundances observed during a trip to conduct an off-road point count bird survey near Anaktuvuk Pass, Gates of the Arctic National Park and Preserve, Brooks Range, Alaska, 14-16 June 1993. Abundance codes are as follows: 1 = 1-5 birds, 2 = 6-10 birds, 3 = >10 birds.

Common Name	Abundance
Pacific Loon *	1
Old Squaw	1
Harlequin Duck *	1
Greater Scaup	3
Northern Pintail	1
American Widgeon *	1
American Green-winged Teal *	1
Red-breasted Merganser *	1
Golden Eagle *	1
Lesser Golden Plover	1
Lesser Yellowlegs	1
Common Snipe *	1
Solitary Sandpiper	1
Red-necked Phalarope *	2
Mew Gull *	1
Long-tailed Jaeger *	1
Common Raven *	3
American Robin	2
Bluethroat *	1
Northern Wheatear	3
Yellow Warbler *	1
Wilson's Warbler *	1
Common Redpoll	3
American Tree Sparrow	3
Savannah Sparrow	3
Fox Sparrow *	3
White-crowned Sparrow	3
Horned Lark *	2
Lapland Longspur	3
Smith's Longspur	1

* denotes bird species not observed during the off-road point count but seen in the area on the preceding day.

Table 3. Vegetation classification for each survey site on the off-road point count bird survey for Anaktuvuk Pass, Gates of the Arctic National Park and Preserve, Brooks Range, Alaska, 14-16 June 1993. Vegetation was classified using the Alaska Vegetation Classification (Viereck et al 1992) and the Avian Habitat Classification for Alaska (Kessel 1979).

Site Number	Alaska Vegetation Classification	Avian Habitat Classification
1	Dryas Dwarf Scrub	Dwarf Shrub Mat
2	Mesic Graminoid Herbaceous	Dwarf Shrub Mat
3	Open Low Scrub	Low Shrub Thicket
4	Dryas Dwarf Scrub	Dwarf Shrub Mat
5	Dryas Dwarf Scrub	Inland Block Field /Dwarf Shrub Mat
6	Dryas Dwarf Scrub	Inland Block Field /Dwarf Shrub Mat
7	Dryas Dwarf Scrub	Inland Block Field /Dwarf Shrub Mat
8	Dryas Dwarf Scrub	Dwarf Shrub Mat
9	Dryas Dwarf Scrub	Dwarf Shrub Mat
10	Dryas Dwarf Scrub	Dwarf Shrub Mat
11	Mesic Graminoid Herbaceous	Dwarf Shrub Meadow
12	Wet Graminoid herbaceous	Dwarf Shrub Meadow

Table 4. Bird species and abundances observed during an off-road point count bird survey at Pingo Lake, Noatak River, Gates of the Arctic National Park and Preserve, Brooks Range, Alaska, 18-21 June 1993. Abundance reflects the number of birds observed during the survey and is coded as follows: 1 = 1-5 birds, 2 = 6-10 birds, 3 = >10 birds.

Common Name	Abundance
Lesser Yellowlegs	2
Upland Sandpiper	3
Semi-palmated Sandpiper	1
Red-necked Phalarope	2
Common Snipe	1
Common Raven	1
American Robin	1
Gray-cheeked Thrush	2
Yellow Warbler	1
Wilson's Warbler	1
Common Redpoll	3
American Tree Sparrow	3
Savannah Sparrow	1
White-crowned Sparrow	3
Smith's Longspur	1

Table 5. Bird species and abundances observed during a trip to conduct an off-road point count bird survey at Pingo Lake, Noatak River, Gates of the Arctic National Park and Preserve, Brooks Range, Alaska, 18-21 June 1993. Abundance codes are as follows: 1 = 1-5 birds, 2 = 6-10 birds, 3 = >10 birds.

Common Name	Abundance
Tundra Swan *	1
Horned Grebe *	1
Greater Scaup *	3
White-winged Scoter *	1
Golden Eagle *	1
Northern Harrier *	1
Gyr Falcon *	1
Lesser Golden Plover *	1
Lesser Yellowlegs	2
Upland Sandpiper	3
Solitary Sandpiper *	1
Semi-palmated Sandpiper	2
Red-necked Phalarope	3
Common Snipe	1
Mew Gull *	1
Bank Swallow *	1
Common Raven *	2
American Robin	3
Northern Wheatear *	1
Gray-cheeked Thrush	2
Northern Shrike *	1
Yellow Warbler	1
Wilson's Warbler	1
Common Redpoll	3
American Tree Sparrow	3
Savannah Sparrow	1
White-crowned Sparrow	3
Smith's Longspur	1

* denotes bird species not observed during the off-road point count but seen in the vicinity on the preceding day.

Table 6. Vegetation classification for each survey site on the off-road point count bird survey for Pingo Lake, Noatak River, Gates of the Arctic National Park and Preserve, Brooks Range, Alaska, 18-21 June 1993. Vegetation was classified using the Alaska Vegetation Classification (Viereck et al 1992) and the Avian Habitat Classification for Alaska (Kessel 1979).

Site Number	Alaska Vegetation Classification	Avian Habitat Classification
1	Open Tall Scrub	Tall Shrub Thicket /Wet Meadow
2	Mesic Graminoid Herbaceous	Low Shrub Thicket
3	Mesic Graminoid Herbaceous	Medium Shrub Thicket /Dwarf Shrub Mat
4	Mesic Graminoid Herbaceous	Medium Shrub Thicket /Dwarf Shrub Mat
5	Mesic Graminoid Herbaceous	Medium Shrub Thicket /Dwarf Shrub Mat
6	Mesic Graminoid Herbaceous	Medium Shrub Thicket /Dwarf Shrub Mat
7	Dryas Dwarf Scrub	Low Shrub Thicket /Dwarf Shrub Mat
8	Mesic Graminoid Herbaceous	Medium Shrub Thicket /Dwarf Shrub Mat
9	Mesic Graminoid Herbaceous	Low Shrub Thicket /Dwarf Shrub Mat
10	Open Tall Scrub	Tall Shrub Thicket
11	Medium Shrub Thicket	Medium Shrub Thicket
12	Open Low Scrub	Low Shrub Thicket /Dwarf Shrub Mat

Table 7. Bird species and abundances observed during an off-road point count bird survey along the Middle Fork Koyukuk River, Gates of the Arctic National Park and Preserve, Brooks Range, Alaska, 22-25 June 1992. Abundance reflects the number of birds observed during the survey and is coded as follows: 1 = 1-5 birds, 2 = 6-10 birds, 3 = >10 birds.

Common Name	Abundance
Canada Goose	1
Merlin	1
Lesser Yellowlegs	1
Spotted Sandpiper	1
Great-horned Owl	1
Alder Flycatcher	1
Olive-sided Flycatcher	2
Bank Swallow	3
Gray Jay	1
Varied Thrush	1
Swainson's Thrush	3
Gray-cheeked Thrush	1
Ruby-crowned Kinglet	1
Yellow-rumped Warbler	1
Blackpoll Warbler	1
Northern Waterthrush	1
Common Redpoll	1
Dark-eyed Junco (Slate-color)	3
White-crowned Sparrow	2
Fox Sparrow	1

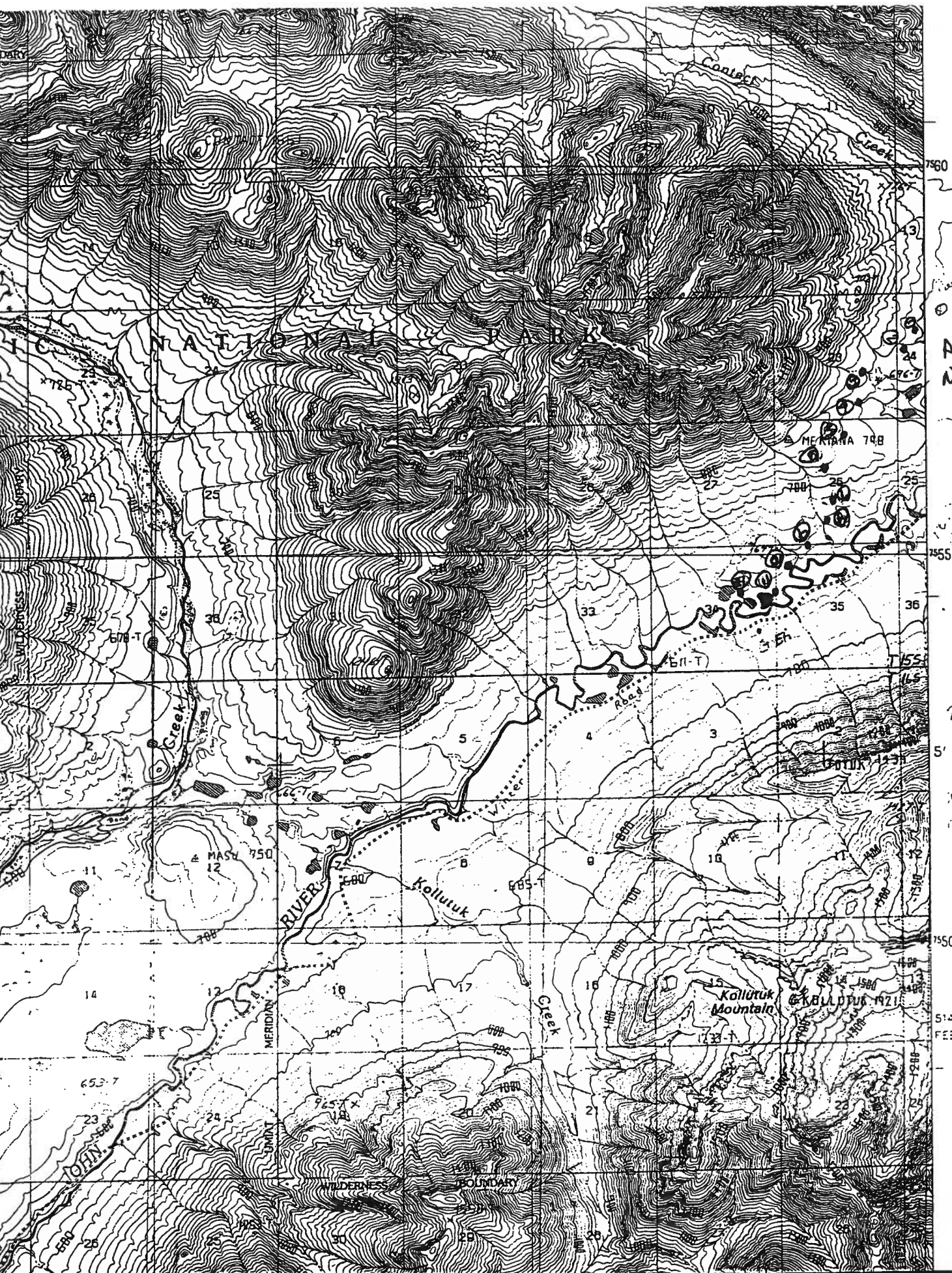
Table 8. Bird species and abundances observed during a trip to conduct an off-road point count bird survey along the Middle Fork Koyukuk River, Gates of the Arctic National Park and Preserve, Brooks Range, Alaska, 22-25 June 1992. Abundance codes are as follows: 1 = 1-5 birds, 2 = 6-10 birds, 3 = >10 birds.

Common Name	Abundance
Canada Goose	3
Green-winged Teal *	1
Rough-legged Hawk *	1
Red-tailed (Harlan's) Hawk *	1
Peregrine Falcon *	1
Merlin	1
American Kestrel *	1
Lesser Yellowlegs	1
Spotted Sandpiper	1
Arctic Tern *	1
Great-horned Owl	1
Boreal Owl *	1
Alder Flycatcher	1
Olive-sided Flycatcher	2
Bank Swallow	3
Tree Swallow	3
Gray Jay	3
Common Raven *	2
Varied Thrush	2
Swainson's Thrush	3
Gray-cheeked Thrush	2
Ruby-crowned Kinglet	3
Bohemian Waxwing *	1
Yellow Warbler *	2
Yellow-rumped Warbler	1
Wilson's Warbler *	1
Blackpoll Warbler	1
Northern Waterthrush	3
Rusty Blackbird *	1
White-winged Crossbill *	1
Common Redpoll	2
Savannah Sparrow *	1
Dark-eyed Junco (Slate-color)	3
White-crowned Sparrow	3
Fox Sparrow	3

* denotes bird species not observed during the off-road point count survey but seen in the vicinity on the preceding day.

Table 9. Vegetation classification for each survey site on the off-road point count bird survey along the Middle Fork Koyukuk River, Gates of the Arctic National Park and Preserve, Brooks Range, Alaska, 22-25 June 1993. Vegetation was classified using the Alaska Vegetation Classification (Viereck et al 1992) and the Avian Habitat Classification for Alaska (Kessel 1979).

Site Number	Alaska Vegetation Classification	Avian Habitat Classification
1	Open Broadleaf Forest	Mixed Deciduous-Coniferous Forest
2	Open Needleleaf Forest	Mixed Deciduous-Coniferous Forest
3	Open Broadleaf Forest	Mixed Deciduous-Coniferous Forest
4	Open Broadleaf Forest	Mixed Deciduous-Coniferous Forest
5	Open Mixed Forest	Mixed Deciduous-Coniferous Forest
6	Open Mixed Forest	Mixed Deciduous-Coniferous Forest
7	Open Needleleaf Forest	Mixed Deciduous-Coniferous Forest
8	Open Needleleaf Forest	Coniferous Forest
9	Closed Needleleaf Forest	Mixed Deciduous-Coniferous Forest
10	Broadleaf Woodland	Mixed Deciduous-Coniferous Forest
11	Open Needleleaf Forest /Closed Needleleaf Forest	Mixed Deciduous-Coniferous Forest
12	Needleleaf Woodland	Coniferous Forest



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